

KICHLER®



LANDSCAPE LIGHTING

Designed to enhance your reputation

For more than 25 years we've made it our commitment to continually offer one of the most comprehensive professional landscape lighting lines in the industry: one that's built for design flexibility, superior efficiency and rock-solid performance. You can install a system that's exactly what you and your clients want from day one – for a landscape lighting effect that's beautiful, capturing and functional for years to come.



12V Lighting



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LIFESTYLE

12V INTEGRATED LED Kichler Technology

When we first entered the landscape lighting category more than 25 years ago, we had a simple goal: make things better.

Today, that history of innovation still drives everything we do. It's why Kichler® offers one of the largest landscape lighting portfolios on the market. This commitment to innovation means you never have to compromise on performance, design, quality or dependability. You can always trust you're getting the latest and best LED technologies available and backed by one of the finest warranties in the industry.

We invite you to explore all of the products we have to offer, including our high-performance integrated LED fixtures and our newest and most advanced technology: Variable Lumen Output (VLO). We think you'll agree, our integrated LED options assure you get the best in custom optics and light output, for the utmost in design versatility and flexibility.

12V LED Accent Light Solutions			
	12V Integrated LED Accent with VLO	12V Integrated LED Accent	12V LED Lamp and Fixture
			
Design	Integrated LED fully potted and sealed for protection of electrical components to ensure optimal all-weather performance	Integrated LED fully potted and sealed for protection of electrical components to ensure optimal all-weather performance	Unsealed separate fixture with accessible/upgradeable lamp options
LED Style	Single high output chip-on-board or discrete LEDs provide single focal point	Multiple discrete LEDs	Multiple discrete LEDs
Beam Quality & Uniformity	Optimal center-to-edge uniformity	Optimal center-to-edge uniformity	Standard center-to-edge uniformity
Light Output	Custom optics that provide 100% light output and no cut-off	100% light output and no cut-off	Cowl and lenses may alter beam spread and decrease lumen output
Stated Lifetime (L70)	50K hours (based on 5 hours of use a day)	40K hours (based on 5 hours of use a day)	30K hours (based on 5 hours of use a day)
Adjustable Lumen Output	Yes	No	No
Surge Protection	6kV protection	4kV protection	None
Warranty	15 years	10 years	6 years

Visit www.Kichler.com/Warranty for full warranty and limitations.

Lighting Design Tips

The color of your light sets the tone.

Did you know that not all white light is created equal? Many of our integrated LED fixtures and LED retrofit lamps come in a variety of color temperatures – from warm white to pure white to cool white – that can enhance the colors in your home's exterior and landscape. Known as Kelvin (K) temperature, consider these suggestions for placement:



WARM WHITE - 2700K

- Surroundings with warmer colors, like brown and cedar
- Natural colored walls or stonework
- Foliage that is red, orange or yellow (ex: highlighting oak trees)



PURE WHITE - 3000K

- Surroundings with dark materials, like deep slate, black or grey
- Foliage that is blue or purple (ex: highlighting blue spruce trees)



BRIGHT WHITE - 4000K-4200K

- Ultra contemporary homes and structures
- Commercial applications
- 120V-277V only

Beam spreads...focus light where it's needed.

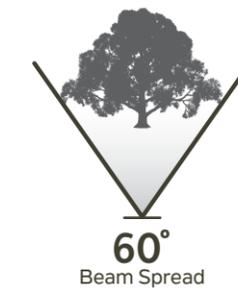
Kichler® integrated LED fixtures are available in a variety of beam spreads that allow your lighting professional to tailor the light to your specific application – creating the perfect end effect you desire.



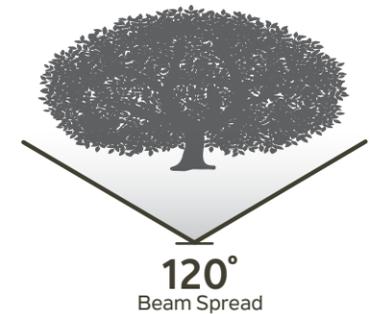
Tall, thin beam of light ideal for grazing trees and column features.



Medium height and width beam of light suited for general accent lighting.



Short and wide beam of light useful for broad trees and wide structures.



Ideal for wall washing, grazing, and short yet wide objects.

Our commitment to quality goes beyond product.

With professional landscape lighting projects, there's no room for do-overs. That's why we don't just think of ways to make our products better; we look for ways to make your entire Kichler® experience superior.

- Our exclusive **Advanced Product Solutions (APS) and Layout Team** is a free service that can answer your installation questions or assist with property designs and layouts.
- Every product we offer is competitively priced and backed by our domestic network of sales and service.
- Our inventory levels allow us to fill orders within 24 hours: when your installation crews need the product most.



Our Advanced Product Solutions and Layout Team employees average 14+ years with Kichler, giving them a level of pride and professionalism that you can count on at every turn. Our entire team is also Certified Low Voltage Lighting Technician (CLVLT) certified.

Landscape lighting products used in the image above:

Front yard: LED Accent with VLO 16016AZT27, LED In-Ground Light 16032BBR27, LED Path Shallow Shade 15806BKT27



Accent Lighting with VLO



In-Ground Lighting with LED

LAYOUT DESIGN SERVICES

Get to solutions faster & increase sales.

From answering questions to creating detailed layouts to delivering a full bill of materials – Kichler's Advanced Product Support Team is your link to getting the job done. This FREE service takes the guesswork out of any lighting need you have: determining the scope of materials required, installing a product correctly, even creating a full wiring and product layout.

Contact us at layouts@kichler.com and we'll get you started:

- 1 Email us a completed Design Request Form (available at [Kichler.com/APS](https://www.kichler.com/APS)) along with any drawings or pictures related to the project.
- 2 We'll create a bill of materials (BOM) and email it back to you that same day (for all requests received by 3:00 pm EST).
- 3 Once you confirm the BOM and pricing, we'll return a completed layout design **within 48 hours or less**.



Landscape | Lighting Systems

ADVANCED PRODUCT SUPPORT

No question is too complex.

Installation issue? Building code question? Regulatory stumper? If you've got a challenging question – we've got you covered. Our Advanced Product Support Team receives additional classroom and in-field training on all Kichler products, so you can get your question answered quickly. To take advantage of this free service, call our dedicated Advanced Product Support line at **844-KICHLER (844-542-4537)** or email techsupport@kichler.com.

INTERIOR | EXTERIOR | FANS | LANDSCAPE | LIGHTING SYSTEMS

Lighting Techniques

Get the most out of a project with these professional landscape lighting techniques.

Wall-Wash Lighting

Directs the eye to the textures, shapes and/or height differences of items in beds, adding depth and ambiance.

Recommended fixtures: 12V LED Accent with VLO 16017 & 16020. Also 120V-277V C-Series 16210-16211, 16213-16214, 16218-16225.



Accent Uplighting

Shines light upward to illuminate an object or surface for dramatic, attention-getting visuals.

Recommended fixtures: 12V LED Accent with VLO 16015-16020. Also 120V-277V C-Series 16209-16220.



Cross Lighting

Using two beams of light, it creates 360-degree visual interest on large trees, statues or other tall features.

Recommended fixtures: 12V LED Accent with VLO 16015-16016, 16018-16019. Also 120V-277V C-Series 16209-16210, 16212-16213, 16215-16216, 16218-16219.



Grazing

Adds depth and dimension to stucco, brick, stonework or architectural features of a home or building.

Recommended fixtures: 12V LED Accent with VLO 16017 & 16020. Also 120V-277V C-Series 16210-16211, 16213-16214, 16218-16225.

Lighting Techniques

Shadowing

A technique that projects the look of a tree or yard art onto a surface behind the object.

Recommended fixtures: 12V LED Accent with VLO 16015-16020. Also 120V-277V C-Series 16209-16220.



Mirror Lighting

Create dream-like water scenes by strategically lighting background areas around bodies of water that reflect the landscape off of the water.

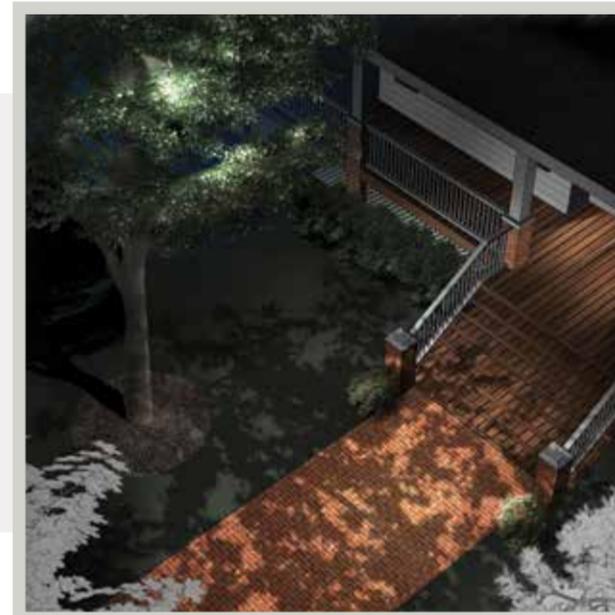
Recommended fixtures: 12V LED Accent with VLO 16015-16020. Also 120V-277V C-Series 16209-16220.



Silhouette Lighting

Draw attention to an interesting shape by lighting a vertical surface behind the object to accent that unique shape.

Recommended fixtures: 12V LED Accent with VLO 16015-16020. Also 120V-277V C-Series 16209-16220.



Moon Lighting

Placing a lower lumen fixture high in a tree catches the details of branches and leaves, emulating the look of moonlight.

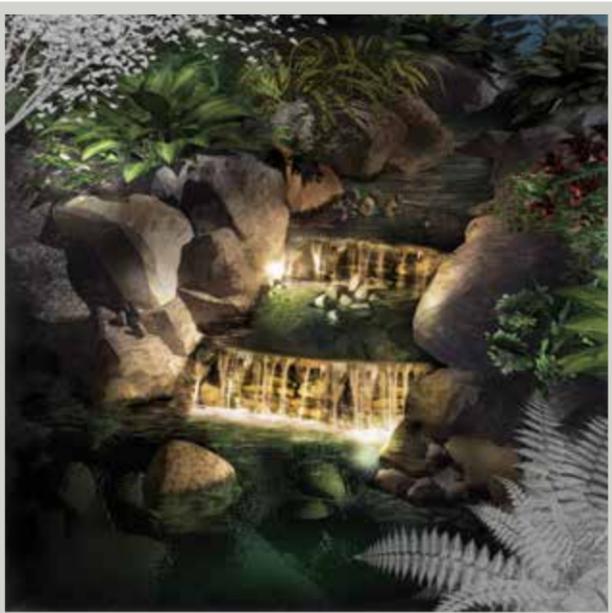
Recommended fixtures: 12V LED Accent with VLO 16016-16017, 16019-16020. Also 120V-277V C-Series 16210-16211, 16213-16214, 16218-16225.

Lighting Techniques

In-Ground Lighting

Deliver light to permanent and semi-permanent installations such as sidewalks, large mature trees, walls and flagpoles.

Recommended fixtures: 12V LED In-Ground 16030-16038.



Underwater & Water Accent Lighting

Enhance and highlight flowing water in waterfalls, streams and fountains. Create a magical mirroring effect on still waters.

Recommended fixture: 12V LED Water Accent 15711SS.



Xeriscape Lighting

Cacti, grasses and the stone used in xeriscape designs can benefit from a lower lumen illumination than traditional landscaping.

Recommended fixtures: 2700K fixtures, 12V LED Path 15811, 12V LED Accent with VLO 16015-16017.

Flagpole Lighting

Two to three directional accent lights are often needed to properly illuminate the pole and the entire flag. Use the pole height and flag size to determine the right fixtures.

- The fixtures should be placed 180° apart if using two and 120° apart if using three.
- The fixtures should be located 6" to 3' from the flagpole in low-voltage (12V) residential applications. For large residential, commercial and line voltage applications (120V), fixtures should be from 12" to 3' from the base of the pole.
- Aim the fixture at the ball at the top of the flagpole.



Pole Height	Typical Flag Size	# of Fixtures	Lamp Wattage	Beam Spread	12V LED Option	120V LED Option
12' - 20'	3' x 5'	2	20W	NSP 10° to 15°	16015 (Level 2)	--
25'	4' x 6'	2	35W	NSP 10° to 15°	16015 (Level 3)	16209
30'	5' x 8'	2	35W	NSP 10° to 15°	16018 (Level 1)	16209
35'	6' x 10'	3	35W	NSP 10° to 15°	16018 (Level 1)	16209
35' +	10' +	3	50W	NSP 10° to 15°	16018 (Level 2 or 3)	16212

Lighting Techniques

Path & Spread Lighting

Illuminate sidewalks, stone pathways and lawn walkways while adding a hint of intrigue to boulders and plant beds.

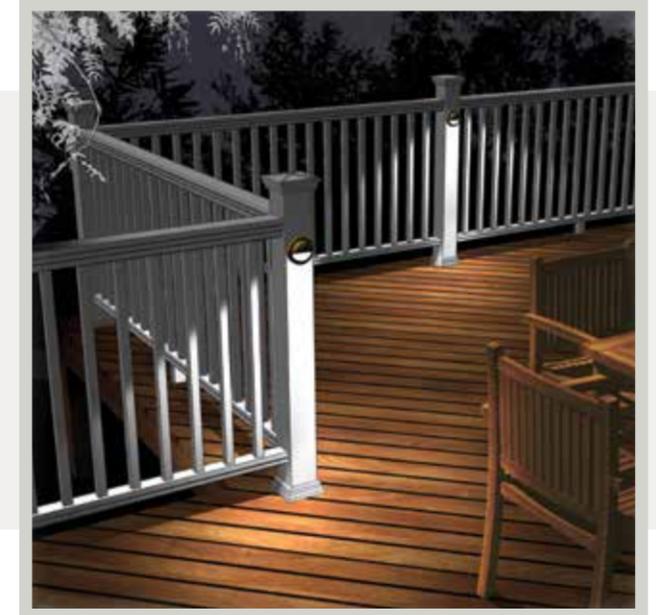
Recommended fixtures: 12V LED Path Fundamentals 16120, Lena 15820 or Dome 15810.



Deck & Patio Lighting

Accentuate all of the beauty and details of decks, patios, outdoor kitchens, steps, handrails and more.

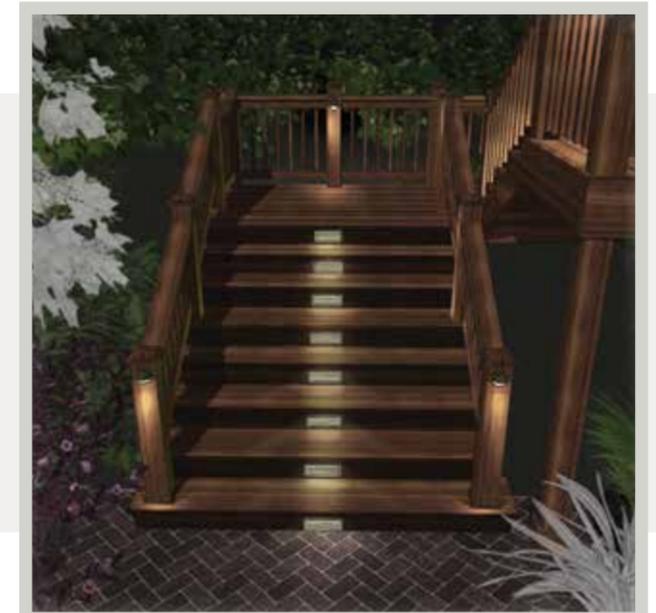
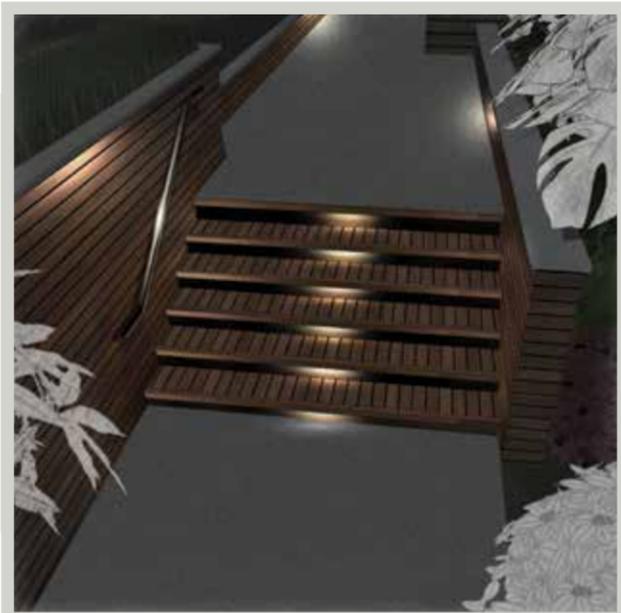
Recommended fixtures: 12V LED Half Moon 15764 (top) and 12V LED Brick Light 15773 (bottom).



Hardscape Lighting

Highlight stone features, retaining walls, outdoor kitchens, steps, handrails, benches and more.

Recommended fixture: 12V 3 LED Fixture 15745.





Outdoor Living

Make outdoor living as comfortable, and flattering, as indoor living

Livable square footage doesn't have to stop inside a home's walls. A yard, patio and deck can provide ample space for entertaining and lounging; all it takes is the right Kichler® lighting pieces to add style, comfort and convenience.



Bring it all together.

Bring life to outdoor spaces after dark with the right combination of lighting pieces.

Get the look shown here by incorporating integrated LED landscape lighting fixtures along with Kichler® decorative options designed for outdoor use. Homeowners get a beautiful and functional space they can use 24/7; you get a project that shows your design sensibility.



1 Arrange pendant fixtures in clusters - for a stylish statement and ambient light.

Argyle
Outdoor Pendant
(49747 WZC)



2 Outdoor ceiling fans bring light and added temperature control to sitting areas.

Rana™ LED Ceiling Fan
60"
(310155 NI)



3 The right hardscape lighting helps guide guests at night. Choose small ...

LED Hardscape Lighting
3 LED
(15745 BBR27)



4 ... or large fixtures to match the space.

LED Hardscape Lighting
9 LED
(15756 GRY27)



5 A built-in Bluetooth® speaker allows homeowners to wirelessly add music to gatherings.

Lyndon™ LED
Portable Lantern
(49500 BKTLED)



6 Select Kichler integrated fixtures allow you to adjust the light output easily, for long-term flexibility.

LED Accent Light
with VLO
(16016 AZT27)

12V Lighting

Kichler® low-voltage lighting solutions are designed to work together for a complete professional landscape lighting system. Our integrated LED systems feature options for a variety of lighting techniques, surfaces and needs – including in-ground, accent, hardscape and more – to create a total lighting solution for residential spaces.





12V Accent

Integrated LED

Accent trees, create silhouettes and illuminate dramatic features with our most versatile fixtures. Our newest options feature Variable Lumen Output (VLO) technology – allowing you to get three lumen choices, from one fixture, for incredible flexibility in the field.



12V INTEGRATED LED Accent Lights with VLO

Kichler® is once again rewriting the rules for integrated LED flexibility and reliability with the new 12V LED Accent Light with Variable Lumen Output (VLO). VLO technology allows you to easily switch between three lumen outputs without mechanically adjusting the settings on the fixture — eliminating the increased failure risk or long-term reliability concerns associated with a mechanical adjustment.

Our Finest Integrated LED Technology

Custom optics assures no halos or scallops, just superb center-to-edge uniformity for clean, clear light.

The switch is fully protected from moisture by being potted on board the driver.



9-15 volt operating range to assure consistent light output throughout a run.

6,000 volt surge protection guards against power irregularities that can be a hazard to LED landscape lighting.

Integrated, fully sealed and encapsulated fixtures keep all critical components protected against the outdoor elements.



Backed by Kichler's industry-leading 15-year warranty. For details, visit Kichler.com/Warranty

VLO makes it easier than ever to design, install and service landscape lighting.

- Create more customized landscape designs while carrying less fixtures in your inventory.
- Quickly adjust the lighting design during the initial installation for the right amount of light output — or years down the road as the landscape application needs changed.
- Two discrete sized fixture platforms give all the lumen options you need without the bulk.

Incredibly easy to adjust.

Each fixture is conveniently factory-set at the most popular lumen level for maximum efficiency. To change, simply hold the included magnet over the lumen adjustment locator to begin the programming mode. The fixture will flash continuously four times and go dark before blinking to indicate which lumen level is currently programmed. Programming begins from the factory setting and adjusts up in lumens (Level 1 for Large Accent, Level 2 for Small Accent).

VLO Adjustment Settings		Small Accent	Large Accent
Level 1	1: Flashes once 	100 lm	*400 lm
Level 2	2: Flashes twice 	*200 lm	600 lm
Level 3	3: Flashes three times 	300 lm	835 lm

*Factory setting

(VLO) Variable Lumen Output

			12V LED Small Accent
			Level 1 100 Lumens (shown: 16016 Small Accent, 35° Flood, 2W, 3000K)
			Level 2* 200 Lumens (shown: 16016 Small Accent, 35° Flood, 3.5W, 3000K) *Factory setting
			Level 3 300 Lumens (shown: 16016 Small Accent, 35° Flood, 5.5W, 3000K)
Level 1	Level 2	Level 3	
			12V LED Large Accent
			Level 1* 400 Lumens (shown: 16019 Large Accent, 35° Flood, 6W, 3000K) *Factory setting
			Level 2 600 Lumens (shown: 16019 Large Accent, 35° Flood, 11W, 3000K)
			Level 3 835 Lumens (shown: 16019 Large Accent, 35° Flood, 16W, 3000K)

Note: Beam width/cut-off is dependent on how close the fixture is to the object. Lumen levels are the same for 2700K and 3000K.

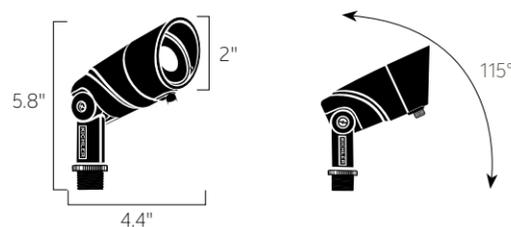
Accent with VLO

Integrated LED Small/Large



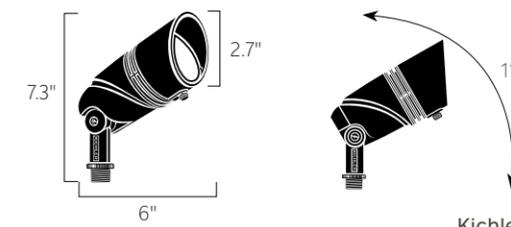
Small Accent with Variable Lumen Output

Finishes	AZT (shown), BKT, CBR, WHT (16016 only)		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	 BKT  CBR  WHT (35° only)
Item Number by Beam Spread and Finish	15° Spot 16015 AZT27, 16015 BKT27, 16015 CBR27 35° Flood 16016 AZT27, 16016 BKT27, 16016 CBR27, 16016 WHT27 60° Wide Flood 16017 AZT27, 16017 BKT27, 16017 CBR27	15° Spot 16015 AZT30, 16015 BKT30, 16015 CBR30 35° Flood 16016 AZT30, 16016 BKT30, 16016 CBR30, 16016 WHT30 60° Wide Flood 16017 AZT30, 16017 BKT30, 16017 CBR30	
Housing	Cast Aluminum or Cast Brass (CBR)		
Wattage/VA, Delivered Lumens & Efficacy	Level 1 = 2W/3.5VA, 100 lm, 50 lm/W Level 2 = 3.5W/5.5VA, 200 lm, 57 lm/W Level 3 = 5.5W/7.5VA, 300 lm, 55 lm/W	Factory set at Level 2 (200 lm/20W Equivalent) Lumen levels are the same for 2700K and 3000K	
CRI	80+	80+	
Voltage Range	9V-15V AC/DC with no loss in light output. 6kV (6000 volt protection) built on board of driver.		
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Custom reflector optics. Tested to a Lumen Maintenance L70 of 50,000 hrs.		
Wiring	48" of usable #18-2, SPT-1W leads		
Notes	Replaces the equivalent of a 10W Halogen (Level 1), 20W Halogen (Level 2) and 30-35W Halogen (Level 3). Includes 8" slotted in-ground stake, 2 gel-filled wire nuts and lumen switching magnetic key. Brass will naturally patina over time. White is only available in 35° Flood.		
Accessories	Cowls & Lenses: Long Cowl, 360 Degree Cowl, Hexcell Louver, Lenses: Red, Amber, Green Foliage, Holiday Green and Frosted	Mounting: Surface Mounting Flange, 3" Round Mounting Base (CBR), Surface Mounting Bracket, Junction Box Mounting Bracket, 90° Elbows, Stem Coupler, Stems, Two Fixture Mount (CBR) Accessories start on page 172.	



Large Accent with Variable Lumen Output

Finishes	BKT (shown), AZT, CBR, WHT (16019 only)		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	 AZT  CBR  WHT (35° only)
Item Number by Beam Spread and Finish	15° Spot 16018 AZT27, 16018 BKT27, 16018 CBR27 35° Flood 16019 AZT27, 16019 BKT27, 16019 CBR27, 16019 WHT27 60° Wide Flood 16020 AZT27, 16020 BKT27, 16020 CBR27	15° Spot 16018 AZT30, 16018 BKT30, 16018 CBR30 35° Flood 16019 AZT30, 16019 BKT30, 16019 CBR30, 16019 WHT30 60° Wide Flood 16020 AZT30, 16020 BKT30, 16020 CBR30	
Housing	Cast Aluminum or Cast Brass (CBR)		
Wattage/VA, Delivered Lumens & Efficacy	Level 1 = 5.25W/8.5VA, 400 lm, 76 lm/W Level 2 = 8.5W/12.5VA, 600 lm, 70 lm/W Level 3 = 12W/17VA, 835 lm, 69 lm/W	Factory set at Level 1 (400 lm/35W Equivalent) Lumen levels are the same for 2700K and 3000K	
CRI	80+	80+	
Voltage Range	9V-15V AC/DC with no loss in light output. 6kV (6000 volt protection) built on board of driver		
Light Source	1 integrated high-output chip-on-board LED with 3-step binning for color consistency. Custom T.I.R. (Total Internal Reflection) lens optics. Tested to a Lumen Maintenance L70 of 50,000 hrs.		
Wiring	48" of usable #18-2, SPT-1W leads		
Notes	Replaces the equivalent of a 35-40W Halogen (Level 1), 50W Halogen (Level 2) and 75W Halogen (Level 3). Includes 8" slotted in-ground stake, 2 gel-filled wire nuts and lumen switching magnetic key. Brass will naturally patina over time. White is only available in 35° Flood.		
Accessories	Cowls & Lenses: Long Cowl, 360 Degree Cowl, Hexcell Louver, Lenses: Red, Amber, Green Foliage, Holiday Green and Frosted	Mounting: Surface Mounting Flange, 3" Round Mounting Base (CBR), Surface Mounting Bracket, Junction Box Mounting Bracket, 90° Elbows, Stem Coupler, Stems, Two Fixture Mount (CBR) Accessories start on page 172.	



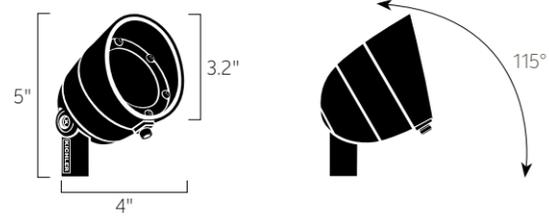
Accent

Integrated LED



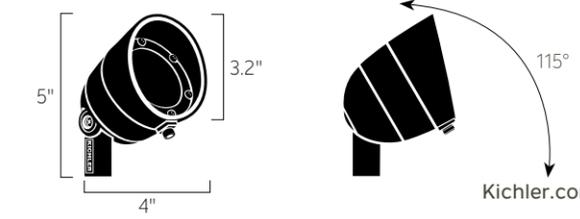
LED Accent - 2.5W

Finishes	CBR (shown), AZT, BKT		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	 AZT  BKT
Item Number by Beam Spread and Finish	10° Spot 16150 AZT27, 16150 BKT27, 16150 CBR27 35° Flood 16151 AZT27, 16151 BKT27, 16151 CBR27 60° Wide Flood 16152 AZT27, 16152 BKT27, 16152 CBR27	10° Spot 16150 AZT30, 16150 BKT30, 16150 CBR30 35° Flood 16151 AZT30, 16151 BKT30, 16151 CBR30 60° Wide Flood 16152 AZT30, 16152 BKT30, 16152 CBR30	
Housing	Cast Aluminum or Cast Brass (CBR)		
Wattage/VA, Delivered Lumens & Efficacy	2.5W, 3.5VA	200 lm, 80 lm/W	<i>Lumen levels are the same for 2700K and 3000K</i>
CRI	80+		
Voltage Range	9V-15V AC/DC with no loss in light output. 4kV (4000 volt protection).		
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Custom T.I.R. (Total Internal Reflection) acrylic Lens. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Wiring	48" of usable #18-2, SPT-1W leads		
Notes	Replaces the equivalent of a 20W Halogen. Includes 8" slotted in-ground stake and 2 gel-filled wire nuts. Brass will naturally patina over time.		
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket 15647, 15514 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems 15509, 15510, 15511, 15512, 15513 Stems (CBR) 15515 Two Fixture Mount (CBR)	15493 Round Mounting Base (CBR) Cowls & Lenses: 16074 Long Cowl 15875 AMB Amber Lens 15875 HGRN Holiday Green Lens 15875 RD Red Lens 15885 GRN Green Foliage Lens 15895 FRO Frosted Lens	



LED Accent - 3.5W

Finishes	BKT (shown), AZT, CBR		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	 AZT  CBR
Item Number by Beam Spread and Finish	10° Spot 16153 AZT27, 16153 BKT27, 16153 CBR27 35° Flood 16154 AZT27, 16154 BKT27, 16154 CBR27 60° Wide Flood 16155 AZT27, 16155 BKT27, 16155 CBR27	10° Spot 16153 AZT30, 16153 BKT30, 16153 CBR30 35° Flood 16154 AZT30, 16154 BKT30, 16154 CBR30 60° Wide Flood 16155 AZT30, 16155 BKT30, 16155 CBR30	
Housing	Cast Aluminum or Cast Brass (CBR)		
Wattage/VA, Delivered Lumens & Efficacy	3.5W, 5.25VA	300 lm, 86 lm/W	<i>Lumen levels are the same for 2700K and 3000K</i>
CRI	80+		
Voltage Range	9V-15V AC/DC with no loss in light output. 4kV (4000 volt protection).		
Light Source	6 integrated high-output LEDs with 3-step binning for color consistency. Custom T.I.R. (Total Internal Reflection) acrylic lens. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Wiring	48" of usable #18-2, SPT-1W leads		
Notes	Replaces the equivalent of a 35W Halogen. Includes 8" slotted in-ground stake and 2 gel-filled wire nuts. Brass will naturally patina over time.		
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket 15647, 15514 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems 15509, 15510, 15511, 15512, 15513 Stems (CBR) 15515 Two Fixture Mount (CBR)	15493 Round Mounting Base (CBR) Cowls & Lenses: 16074 Long Cowl 15875 AMB Amber Lens 15875 HGRN Holiday Green Lens 15875 RD Red Lens 15885 GRN Green Foliage Lens 15895 FRO Frosted Lens	



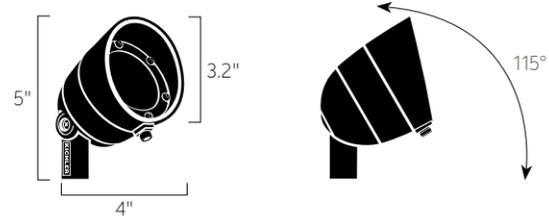
Accent

Integrated LED



LED Accent - 7W

Finishes	AZT (shown), BKT, CBR		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	 BKT  CBR
Item Number by Beam Spread and Finish	10° Spot 16156 AZT27, 16156 BKT27, 16156 CBR27 35° Flood 16157 AZT27, 16157 BKT27, 16157 CBR27 60° Wide Flood 16158 AZT27, 16158 BKT27, 16158 CBR27	10° Spot 16156 AZT30, 16156 BKT30, 16156 CBR30 35° Flood 16157 AZT30, 16157 BKT30, 16157 CBR30 60° Wide Flood 16158 AZT30, 16158 BKT30, 16158 CBR30	
Housing	Cast Aluminum or Cast Brass (CBR)		
Wattage/VA, Delivered Lumens & Efficacy	7W, 10VA	500 lm, 71 lm/W	<i>Lumen levels are the same for 2700K and 3000K</i>
CRI	80+		
Voltage Range	9V-15V AC/DC with no loss in light output. 4kV (4000 volt protection).		
Light Source	6 integrated high-output LEDs with 3-step binning for color consistency. Custom T.I.R. (Total Internal Reflection) acrylic lens. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Wiring	48" of usable #18-2, SPT-1W leads		
Notes	Replaces the equivalent of a 50W Halogen. Includes 8" slotted in-ground stake and 2 gel-filled wire nuts. Brass will naturally patina over time.		
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket 15647, 15514 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems 15509, 15510, 15511, 15512, 15513 Stems (CBR) 15515 Two Fixture Mount (CBR)	15493 Round Mounting Base (CBR) Cowls & Lenses: 16074 Long Cowl 15875 AMB Amber Lens 15875 HGRN Holiday Green Lens 15875 RD Red Lens 15885 GRN Green Foliage Lens 15895 FRO Frosted Lens	



Wall Wash

Wall Wash Accent

Finishes	BBR (shown), AZT, BKT		Available Finishes	BBR (shown), AZT, BKT		Available Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	 AZT  BKT	2700K - Warm White	3000K - Pure White	 AZT  BKT
Item Number and Finish	16070 AZT27R 16070 BBR27R 16070 BKT27R	16070 AZT30R 16070 BBR30R 16070 BKT30R		15861 AZT27R 15861 BBR27R 15861 BKT27R	15861 AZT30R 15861 BBR30R 15861 BKT30R	
Housing	Cast Aluminum or Cast Brass (BBR)			Cast Aluminum or Cast Brass (BBR)		
Power Usage at 12V AC Input, VA and Watts	4.3W, 5.8VA		4.3W, 5.8VA			
Color Temp. & CRI	2700K 80+	3000K 80+	2700K 80+	3000K 80+		
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output			
Light Source	8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Delivered Lumens & Efficacy	2700K=294 lm 2700K=67 lm/W	3000K=302 lm 3000K=73 lm/W	2700K=294 lm 2700K=67 lm/W	3000K=302 lm 3000K=73 lm/W		
Wiring	35" of usable #18-2, SPT-1W leads. Wire connectors supplied.		64" of usable #18-2, SPT-1W leads. Wire connectors supplied.			
Notes	Beam spread vertical of 80°, horizontal of 100°. Includes 8" slotted in-ground stake. Fully adjustable knuckle. Brass will naturally patina over time.		Beam spread vertical of 108°, horizontal of 111°. Includes 8" slotted in-ground stake. Fully adjustable knuckle. Brass will naturally patina over time.			
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket 15647 90° Elbow 15645, 15656, 15657, 15658, 15570 Stems		15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15647 90° Elbow 15645, 15656, 15657, 15658, 15570 Stems			

Dimensions



Photometrics

Distance from Wall	0'	.5'	1'	2'	3'	4'	5'
2'	47	39.4	16.2	1.3	.25	.22	.19
4'	12.5	12	10.8	5.1	1.8	.54	.17



12V In-Ground

Integrated LED

Embed in driveways, walkways, patios and more—the incredibly durable construction is easy to install in any hardscaping material and is designed to weather the elements, car tires and foot traffic.



In-Ground

Integrated LED



	LED In-Ground – 4W		LED In-Ground – 6.5W		LED In-Ground – 14W	
Finishes	BBR		BBR		BBR	
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White
Item Number and Finish	10° Spot 16030 BBR27	10° Spot 16030 BBR30	10° Spot 16033 BBR27	10° Spot 16033 BBR30	10° Spot 16036 BBR27	10° Spot 16036 BBR30
	35° Flood 16031 BBR27	35° Flood 16031 BBR30	35° Flood 16034 BBR27	35° Flood 16034 BBR30	35° Flood 16037 BBR27	35° Flood 16037 BBR30
	60° Wide Flood 16032 BBR27	60° Wide Flood 16032 BBR30	60° Wide Flood 16035 BBR27	60° Wide Flood 16035 BBR30	60° Wide Flood 16038 BBR27	60° Wide Flood 16038 BBR30
Housing	Cast Brass					
Power Usage at 12V AC Input, VA and Watts	4W, 5.8VA		6.5W, 9.3VA		14W, 18.5VA	
CRI	80+					
Voltage Range	9V-15V AC/DC with no loss in light output					
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		5 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		5 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.	
Delivered Lumens & Efficacy	2700K = 146 lm 2700K = 37 lm/W	3000K = 170 lm 3000K = 43 lm/W	2700K = 306 lm 2700K = 47 lm/W	3000K = 348 lm 3000K = 54 lm/W	2700K = 520 lm 2700K = 37 lm/W	3000K = 590 lm 3000K = 42 lm/W
Wiring	24" of usable #18-2, SPT-1W leads. Wire connectors supplied. Includes LVPC installed.					
Notes	Includes anti-heaving, auger-style in-ground stake. Drive-over and walk-over rated for 4500 lb. car or truck. Aimable up to 15° on the vertical. Compares to MR16 20W Halogen. Corrosion-free, all-brass construction. Brass will naturally patina over time.		Includes anti-heaving, auger-style in-ground stake. Drive-over and walk-over rated for 4500 lb. car or truck. Aimable up to 15° on the vertical. Compares to MR16 35W Halogen. Corrosion-free, all-brass construction. Brass will naturally patina over time.		Includes anti-heaving, auger-style in-ground stake. Drive-over and walk-over rated for 4500 lb. car or truck. Aimable up to 15° on the vertical. Compares to MR16 50W Halogen. Corrosion-free, all-brass construction. Brass will naturally patina over time.	
Accessories	16501 BBRP Concrete Kit. See page 176 for Rock Guard and Cowl options.					
Dimensions						



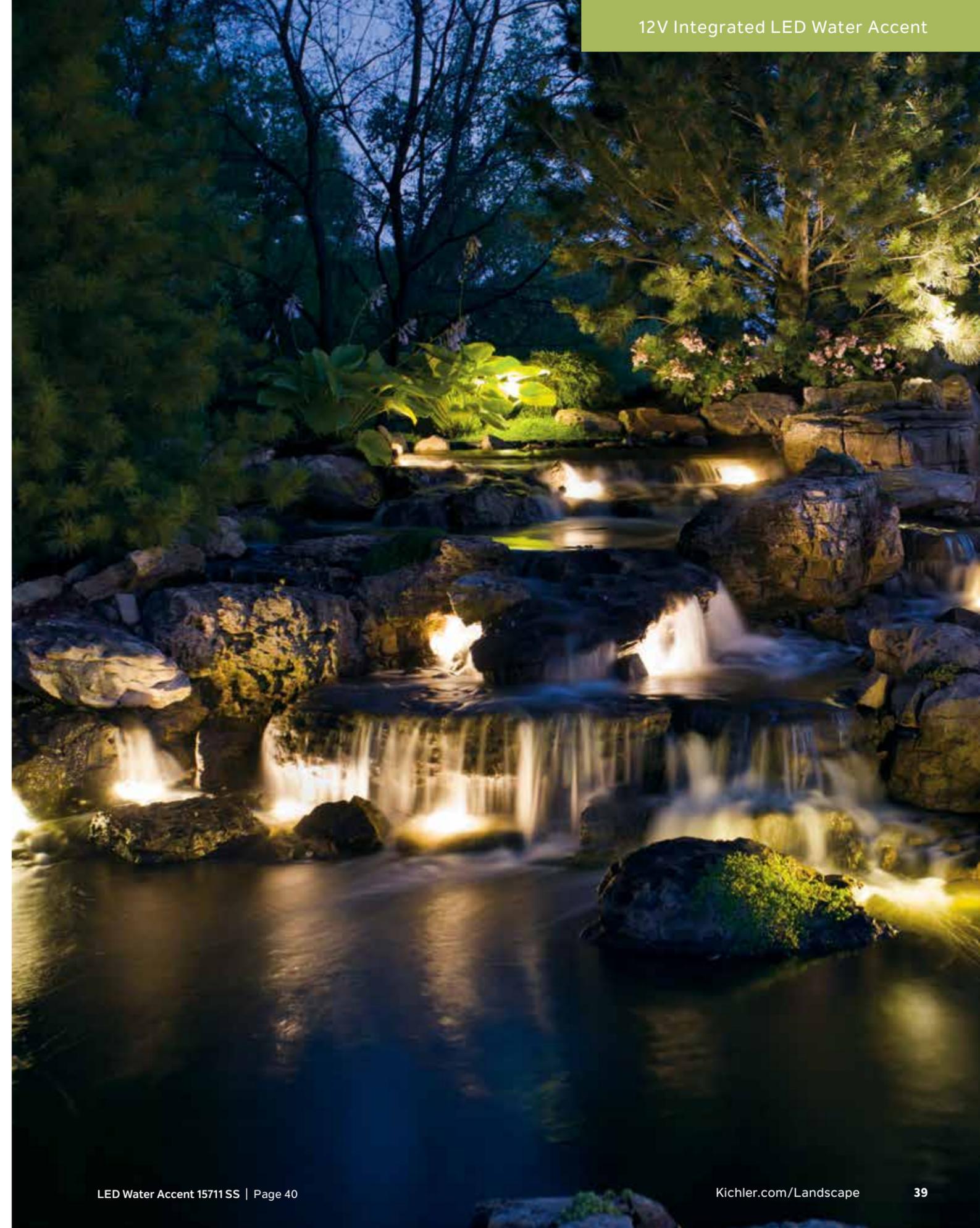
	LED Well Light – 4.5W		LED Well Light – 8.5W		LED Well Light – 12.4W	
Finishes	BKT		BKT		BKT	
Color Temperature	3000K - Pure White		3000K - Pure White		3000K - Pure White	
Item Number and Finish	10° Spot 15767 BKT	60° Wide Flood 15769 BKT	10° Spot 15728 BKT	60° Wide Flood 15748 BKT	10° Spot 15729 BKT	60° Wide Flood 15758 BKT
	35° Flood 15768 BKT		35° Flood 15747 BKT		35° Flood 15757 BKT	
Housing	Cast Aluminum body with heavy-duty polypropylene sleeve and stainless steel gimble ring					
Power Usage at 12V AC Input, VA and Watts	4.5W, 7.5VA		8.5W, 12.2VA		12.4W, 16.7VA	
CRI	80+					
Voltage Range	9V-15V AC/DC with no loss in light output					
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		6 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		9 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.	
Delivered Lumens & Efficacy	3000K = 150 lm 3000K = 33 lm/W		3000K = 310 lm 3000K = 36 lm/W		3000K = 460 lm 3000K = 37 lm/W	
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.					
Notes	Reversible support sleeve to accommodate uplighting when flush mounting or angled lighting are desired in a semi-recessed application. Fully adjustable. Compares to MR16 20W Halogen.		Reversible support sleeve to accommodate uplighting when flush mounting or angled lighting are desired in a semi-recessed application. Fully adjustable. Compares to MR16 35W Halogen.		Reversible support sleeve to accommodate uplighting when flush mounting or angled lighting are desired in a semi-recessed application. Fully adjustable. Compares to MR16 50W Halogen.	
Accessories	15787 BK Rock Guard 15875 AMB Amber Lens (4.5-8.5W), 15876 AMB Amber Lens (12.4W) 15885 GRN Green Foliage Lens (4.5-8.5W), 15886 GRN Green Foliage Lens (12.4W) 15895 FRO Frosted Lens (4.5-8.5W), 15896 FRO Frosted Lens (12.4W)					
Dimensions						



12V Water Accent

Integrated LED

Heavy-weight construction is filled and sealed with two types of premium encapsulant to ensure the fixtures are completely watertight.



2-in-1 Water Accent

Integrated LED



2-in-1 Water Accent

Finishes	SS																										
Color Temperature	2700K - Warm White	3000K - Pure White	4200K - Cool White																								
Item Number and Finish	15711 SS27	15711 SS	15711 SS42																								
Housing	Stainless Steel housing with integrated cowl																										
Power Usage at 12V AC Input VA and Watts	3.4W, 4.9VA																										
Color Temp. & CRI	2700K, 80+	3000K, 80+	4200K, 80+																								
Voltage Range	9V-15V AC/DC with no loss in light output																										
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hours.																										
Delivered Lumens & Efficacy	2700K = 135 lm 2700K = 40 lm/W	3000K = 150 lm 3000K = 44 lm/W	4200K = 180 lm 4200K = 53 lm/W																								
Wiring	25' of usable #18-2, SPT-2W leads																										
Notes	Custom reflector optics. Filled and sealed with two types of premium encapsulant to ensure fixture is completely watertight, 1/4-20 threaded mounting tap. Can also be used out of water as a mini accent light. Not recommended for use in salt water.																										
Accessories	15776 BK Multi-fixture weighted base 15777 SS Out-of-water bracket 15778 BK Single fixture weighted base																										
Dimensions																											
Photometrics	<table border="1"> <tr> <td>Distance from Source (ft.)</td> <td>4'</td> <td>8'</td> <td>16'</td> <td>24'</td> <td>32'</td> <td>40'</td> </tr> <tr> <td>Illuminance (Foot-candles)</td> <td>5.6</td> <td>1.5</td> <td>.4</td> <td>.2</td> <td>.1</td> <td>.1</td> </tr> <tr> <td>Beam Width (ft.)</td> <td>3.3'</td> <td>6.5'</td> <td>13'</td> <td>19.5'</td> <td>26'</td> <td>32.5'</td> </tr> </table>						Distance from Source (ft.)	4'	8'	16'	24'	32'	40'	Illuminance (Foot-candles)	5.6	1.5	.4	.2	.1	.1	Beam Width (ft.)	3.3'	6.5'	13'	19.5'	26'	32.5'
Distance from Source (ft.)	4'	8'	16'	24'	32'	40'																					
Illuminance (Foot-candles)	5.6	1.5	.4	.2	.1	.1																					
Beam Width (ft.)	3.3'	6.5'	13'	19.5'	26'	32.5'																					

Versatile lighting that's at home in and out of water.

Enhance and highlight flowing water in waterfalls, streams and fountains. Create a magical mirroring effect on still waters, like ponds and water features. This integrated LED accent light features a rugged construction sealed against the elements for full submersion applications. The stainless steel housing with integrated cowl stands up to harsh environments. With a 60-degree beam spread and choice of color temperatures, you're sure to find everything you need for your application. The Out of Water Bracket accessory creates even more application possibilities beyond water features.



15776 BK

Multi Fixture Weighted Base

3.5W x 2.75H x 3.5L

Unique heavy weighted 3-pronged underwater accessory for 2 or 3 fixtures (sold separately) to give maximum flexibility and directional capability.



15777 SS

Out of Water Bracket

1.5W x 1.44H x 2.5L

Stainless steel, easy-mount bracket (fixture sold separately) for use above ground on any surface – ideal for wood and masonry when used on decks, patios or overhangs.



15778 BK

Single Fixture Weighted Base

3.5W x 2.75H x 3.5L

Heavy weight 1-prong underwater light (sold separately) accessory for standard installations. Provides advanced directional capability.



12V Path & Spread

Integrated LED

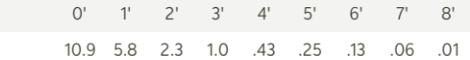
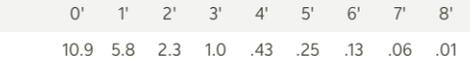
Decorative fixtures and finish options deliver architectural beauty for any home style, while adding essential light around walkways, entryways, patios and more.

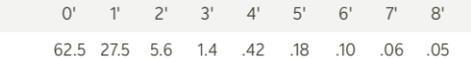
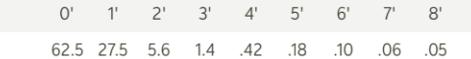


Path & Spread

12V Integrated LED



	Decorative Hammered Roof		Cast Hammered Roof		
Finishes	CO (shown), TZT		BBR (shown), TZT		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	
Item Number and Finish	15843 CO27 15843 TZT27	15843 CO 15843 TZT	15871 BBR27 15871 TZT27	15871 BBR 15871 TZT	
Housing	Brass or Copper (CO)		Cast Aluminum or Cast Brass (BBR)		
Power Usage at 12V AC Input, VA and Watts	3.8W, 4.95VA		3.8W, 4.95VA		
CRI	80+		80+		
Voltage Range	9-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output		
Light Source	3 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		3 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Delivered Lumens & Efficacy	2700K = 168 lm 2700K = 48 lm/W	3000K = 182 lm 3000K = 49 lm/W	2700K = 168 lm 2700K = 48 lm/W	3000K = 182 lm 3000K = 49 lm/W	
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake and features decorative light-leak pattern. Copper and brass will naturally patina over time. Incandescent version of fixture 15443 on page 138.		Includes 8" slotted in-ground stake and features decorative light-leak pattern. Incandescent version of fixture 15471 on page 138. Brass will naturally patina over time.		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket				
Dimensions					
Photometrics					
	Distance from Light	0' 1' 2' 3' 4' 5' 6' 7' 8'	Distance from Light	0' 1' 2' 3' 4' 5' 6' 7' 8'	
	Foot-candles (FC)	10.9 5.8 2.3 1.0 .43 .25 .13 .06 .01	Foot-candles (FC)	10.9 5.8 2.3 1.0 .43 .25 .13 .06 .01	

	Fundamentals™		Fundamentals™		
Finishes	CO (shown), TZT		AZT (shown), BKT, BBR		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	
Item Number and Finish	15839 CO27R 15839 TZT27R	15839 CO30R 15839 TZT30R	16120 AZT27 16120 BBR27 16120 BKT27	16120 AZT30 16120 BBR30 16120 BKT30	
Housing	Brass, Copper (CO)		Cast Aluminum or Cast Brass (BBR)		
Power Usage at 12V AC Input, VA and Watts	4.3W, 5.8VA		4.3W, 5.8VA		
CRI	80+		80+		
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output		
Light Source	8 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Delivered Lumens & Efficacy	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake. Copper and brass will naturally patina over time. Incandescent version of fixture 15439 on page 139. Included reflector can be removed if necessary.		Includes 8" slotted in-ground stake. Brass will naturally patina over time. Included reflector can be removed if necessary.		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		FM127265 Hexcell Louver FM128296BKT Glare Guard Reflector		
Dimensions					
Photometrics					
	Distance from Light	0' 1' 2' 3' 4' 5' 6' 7' 8'	Distance from Light	0' 1' 2' 3' 4' 5' 6' 7' 8'	
	Foot-candles (FC)	62.5 27.5 5.6 1.4 .42 .18 .10 .06 .05	Foot-candles (FC)	62.5 27.5 5.6 1.4 .42 .18 .10 .06 .05	
	FC with Included Reflector*	- 17.5 5.8 2.4 1.2 .8 .5 .3 .1	FC with Included Reflector*	- 17.5 5.8 2.4 1.2 .8 .5 .3 .1	

*Using optional black glare guard reflector (FM128296BKT) will slightly reduce the above. Reflectors can be flipped or inverted for even more glare control

Path & Spread

12V Integrated LED



	Copper Hat		Forged																																																			
Finishes	CO		AZT																																																			
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White																																																		
Item Number and Finish	15850 CO27R	15850 CO30R	15803 AZT27R	15803 AZT30R																																																		
Housing	Copper		Cast Aluminum																																																			
Power Usage at 12V AC Input, VA and Watts	4.3W, 5.8VA		3.8W, 4.95VA																																																			
CRI	80+		80+																																																			
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																																			
Light Source	8 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		3 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.																																																			
Delivered Lumens & Efficacy	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 49 lm/W																																																		
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		24" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																																			
Notes	Includes 8" slotted in-ground stake. Copper will naturally patina over time. Included reflector can be removed if necessary.		Includes 8" slotted in-ground stake and has a square stem.																																																			
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket FM127265 Hexcell Louver FM128296BKT Glare Guard Reflector		15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																																			
Dimensions																																																						
Photometrics	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>62.5</td><td>27.5</td><td>5.6</td><td>1.4</td><td>.42</td><td>.18</td><td>.10</td><td>.06</td><td>.05</td></tr> <tr><td>FC with Included Reflector*</td><td>-</td><td>17.5</td><td>5.8</td><td>2.4</td><td>1.2</td><td>.8</td><td>.5</td><td>.3</td><td>.1</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	62.5	27.5	5.6	1.4	.42	.18	.10	.06	.05	FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>6.8</td><td>5.8</td><td>2.5</td><td>.83</td><td>.17</td><td>.04</td><td>.02</td><td>.01</td><td>.01</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	6.8	5.8	2.5	.83	.17	.04	.02	.01	.01
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																													
Foot-candles (FC)	62.5	27.5	5.6	1.4	.42	.18	.10	.06	.05																																													
FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1																																													
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																													
Foot-candles (FC)	6.8	5.8	2.5	.83	.17	.04	.02	.01	.01																																													

	Pyramid		Ripley™		Additional Finishes																																								
Finishes	TZZ		BBR (shown), AZT																																										
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	 AZT																																								
Item Number and Finish	15802 TZZ27R	15802 TZZ30R	15800 AZT27R 15800 BBR27R	15800 AZT30R 15800 BBR30R																																									
Housing	Cast Aluminum		Cast Aluminum or Cast Brass (BBR)																																										
Power Usage at 12V AC Input, VA and Watts	3.8W, 4.95VA		4.3W, 5.8VA																																										
CRI	80+		80+		 Coordinating Product																																								
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																										
Light Source	3 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		 Outdoor Wall Mount 49060 OZ, see Kichler.com																																								
Delivered Lumens & Efficacy	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 49 lm/W	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W																																									
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		24" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																										
Notes	Includes 8" slotted in-ground stake and has a square stem.		Includes 8" slotted in-ground stake and has a square stem. Brass will naturally patina over time.																																										
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																												
Dimensions																																													
Photometrics	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>7.1</td><td>5.4</td><td>2.4</td><td>1</td><td>.44</td><td>.23</td><td>.14</td><td>.08</td><td>.08</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	7.1	5.4	2.4	1	.44	.23	.14	.08	.08	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>61.9</td><td>53.5</td><td>11.96</td><td>2.47</td><td>1.04</td><td>.33</td><td>.22</td><td>.1</td><td>.08</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	61.9	53.5	11.96	2.47	1.04	.33	.22	.1	.08	
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																				
Foot-candles (FC)	7.1	5.4	2.4	1	.44	.23	.14	.08	.08																																				
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																				
Foot-candles (FC)	61.9	53.5	11.96	2.47	1.04	.33	.22	.1	.08																																				

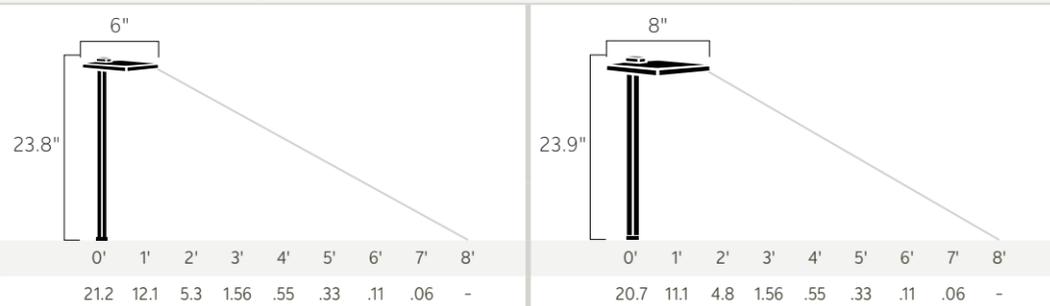
Path & Spread

12V Integrated LED



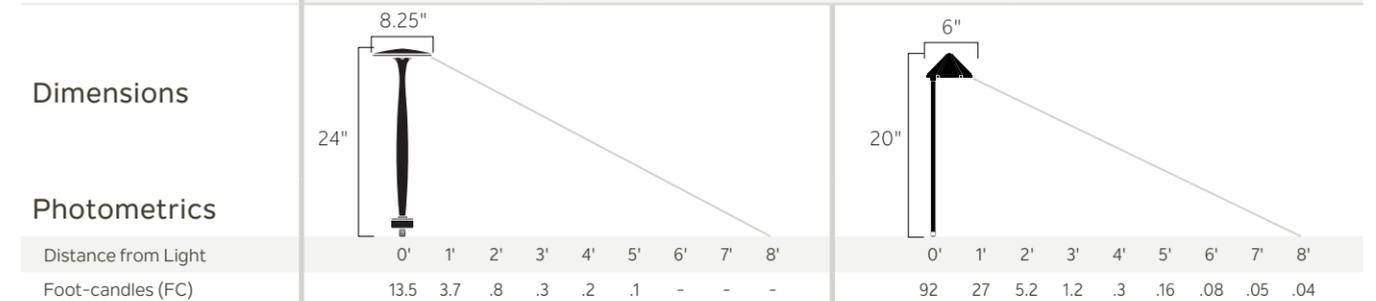
	Shallow Shade Small		Shallow Shade Large	
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Finishes	BKT		BKT	
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White
Item Number and Finish	15805 BKT27R	15805 BKT30R	15806 BKT27R	15806 BKT30R
Housing	Cast Aluminum with cast bottom driver compartment		Cast Aluminum with cast bottom driver compartment	
Power Usage at 12V AC Input, VA and Watts	4W, 5.8VA		4W, 5.8VA	
CRI	80+		80+	
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output	
Light Source	3 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		3 integrated high-output LEDs, 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.	
Delivered Lumens & Efficacy	2700K = 126 lm 2700K = 31 lm/W	3000K = 140 lm 3000K = 35 lm/W	2700K = 126 lm 2700K = 31 lm/W	3000K = 140 lm 3000K = 35 lm/W
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.	
Notes	Includes 8" slotted in-ground stake and has a square stem.		Includes 8" slotted in-ground stake and has a square stem.	
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket			



	Broad Roof		Side Mount		
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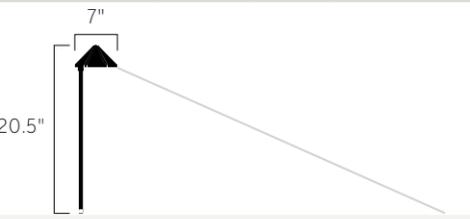
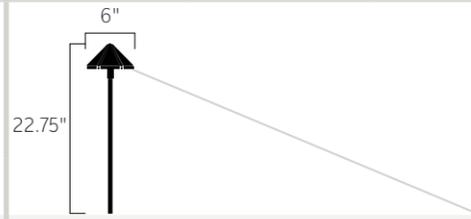
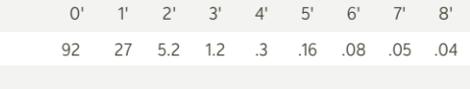
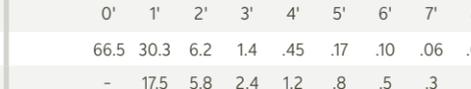
Finishes	AZT		AZT (shown), BKT		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	 BKT
Item Number and Finish	15833 AZT27R	15833 AZT30R	15815 AZT27R 15815 BKT27R	15815 AZT30R 15815 BKT30R	
Housing	Cast Aluminum with cast bottom driver compartment		Cast Aluminum		 LED Deck Light 15765, see page 65
Power Usage at 12V AC Input, VA and Watts	4W, 5.8VA		4.3W, 5.8VA		
CRI	80+		80+		Coordinating Product
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output		
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Delivered Lumens & Efficacy	2700K = 126 lm 2700K = 31 lm/W	3000K = 140 lm 3000K = 35 lm/W	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		52" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake		Includes 8" slotted in-ground stake		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket				

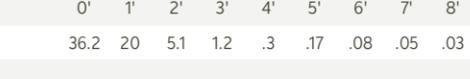
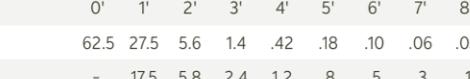


Path & Spread

12V Integrated LED



	Side Mount Cast Brass		Center Mount		
Finishes	BBR		BKT (shown), AZT		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	 <p>AZT</p>
Item Number and Finish	15827 BBR27R	15827 BBR30R	15826 AZT27R 15826 BKT27R	15826 AZT30R 15826 BKT30R	
Housing	Cast Brass		Cast Aluminum		
Power Usage at 12V AC Input, VA and Watts	4.3W, 5.8VA		4.3W, 5.8VA		 <p>LED Deck Light 15765, see page 65</p>
CRI	80+		80+		
Voltage Range	9V-15V AC/DC with no loss in light output	 <p>LED Deck Light 15765, see page 65</p>	9V-15V AC/DC with no loss in light output	 <p>LED Deck Light 15765, see page 65</p>	Coordinating Product
Light Source	8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		Coordinating Product
Delivered Lumens & Efficacy	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	
Wiring	53" of usable #18-2, SPT-1W leads. Cable connectors supplied.		50" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake. Brass will naturally patina over time.		Includes 8" slotted in-ground stake. Included reflector can be removed if necessary. Incandescent version of fixture 15326 on page 135.		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15677CLR Sprinkler Shield		15601 Surface Mounting Flange 15607 Surface Mounting Bracket FM127265 Hexcell Louver FM128296BKT Glare Guard Reflector		
Dimensions					
Photometrics					
Distance from Light	0' 1' 2' 3' 4' 5' 6' 7' 8'		0' 1' 2' 3' 4' 5' 6' 7' 8'		
Foot-candles (FC)	92 27 5.2 1.2 .3 .16 .08 .05 .04		66.5 30.3 6.2 1.4 .45 .17 .10 .06 .05		
FC with Included Reflector*	-		- 17.5 5.8 2.4 1.2 .8 .5 .3 .1		

	Glass & Metal		6" Dome		
Finishes	BN (shown), AZT		AZT (shown), BBR, BKT		Additional Finishes
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	 <p>BBR</p>  <p>BKT</p>
Item Number and Finish	15817 AZT27R 15817 BN27R	15817 AZT30R 15817 BN30R	15870 AZT27R 15870 BBR27R 15870 BKT27R	15870 AZT30R 15870 BBR30R 15870 BKT30R	
Housing	Aluminum (AZT) or Brushed Nickel (BN), with glass diffuser		Cast Aluminum or Cast Brass (BBR)		
Power Usage at 12V AC Input, VA and Watts	4.3W, 5.8VA		4.3W, 5.8VA		 <p>LED Path Lights 15810 & 15811, see page 52</p>
CRI	80+		80+		
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output		Coordinating Product
Light Source	8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Delivered Lumens & Efficacy	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake. Incandescent version of fixture 15317 on page 140.		Includes 8" slotted in-ground stake. Incandescent version of fixture 15470 on page 131. Brass will naturally patina over time. Included reflector can be removed if necessary.		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket FM127265 Hexcell Louver		15601 Surface Mounting Flange 15607 Surface Mounting Bracket FM127265 Hexcell Louver FM128296BKT Glare Guard Reflector		
Dimensions					
Photometrics					
Distance from Light	0' 1' 2' 3' 4' 5' 6' 7' 8'		0' 1' 2' 3' 4' 5' 6' 7' 8'		
Foot-candles (FC)	36.2 20 5.1 1.2 .3 .17 .08 .05 .03		62.5 27.5 5.6 1.4 .42 .18 .10 .06 .05		
FC with Included Reflector*	-		- 17.5 5.8 2.4 1.2 .8 .5 .3 .1		

50 *Using optional black glare guard reflector (FM128289BKT) will slightly reduce the above. Reflectors can be flipped or inverted for even more glare control

*Using optional black glare guard reflector (FM128289BKT) will slightly reduce the above. Reflectors can be flipped or inverted for even more glare control

Path & Spread

12V Integrated LED



	8" Dome		8" Dome Short Stem																																																													
Finishes	BKT (shown), AZT, BBR		AZT																																																													
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White																																																												
Item Number and Finish	15810 AZT27R 15810 BBR27R 15810 BKT27R	15810 AZT30R 15810 BBR30R 15810 BKT30R	15811 AZT27R	15811 AZT30R																																																												
Housing	Cast Aluminum or Cast Brass (BBR)		Cast Aluminum																																																													
Power Usage at 12V AC Input, VA and Watts	4.3W, 5.8VA		4.3W, 5.8VA																																																													
CRI	80+		80+																																																													
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																																													
Light Source	8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.																																																													
Delivered Lumens & Efficacy	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W																																																												
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		36" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																																													
Notes	Includes 8" slotted in-ground stake. Incandescent version of fixture 15310 on page 132. Brass will naturally patina over time. Included reflector can be removed if necessary.		Includes 8" slotted in-ground stake. This is a shorter version of our LED 15810 design. Incandescent version of fixture 15410 on page 132. Included reflector can be removed if necessary.																																																													
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		FM127265 Hexcell Louver FM128296BKT Glare Guard Reflector																																																													
Dimensions																																																																
Photometrics	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>66.5</td><td>30.3</td><td>6.2</td><td>1.4</td><td>.45</td><td>.17</td><td>.10</td><td>.06</td><td>.05</td></tr> <tr><td>FC with Included Reflector*</td><td>-</td><td>17.5</td><td>5.8</td><td>2.4</td><td>1.2</td><td>.8</td><td>.5</td><td>.3</td><td>.1</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	66.5	30.3	6.2	1.4	.45	.17	.10	.06	.05	FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>105</td><td>29</td><td>3.8</td><td>.72</td><td>.2</td><td>.09</td><td>.05</td><td>.03</td><td>.03</td></tr> <tr><td>FC with Included Reflector*</td><td>-</td><td>17.5</td><td>5.8</td><td>2.4</td><td>1.2</td><td>.8</td><td>.5</td><td>.3</td><td>.1</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	105	29	3.8	.72	.2	.09	.05	.03	.03	FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																																							
Foot-candles (FC)	66.5	30.3	6.2	1.4	.45	.17	.10	.06	.05																																																							
FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1																																																							
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																																							
Foot-candles (FC)	105	29	3.8	.72	.2	.09	.05	.03	.03																																																							
FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1																																																							



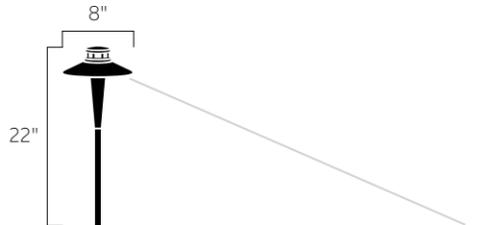
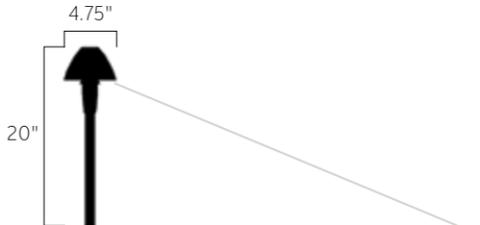
	Llena™		Llenita™																																									
Finishes	CO (shown), AZT, BBR		AZT (shown), BBR, CO																																									
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White																																								
Item Number and Finish	15820 AZT27 15820 BBR27 15820 CO27	15820 AZT 15820 BBR 15820 CO	15821 AZT27 15821 BBR27 15821 CO27	15821 AZT 15821 BBR 15821 CO																																								
Housing	Cast Aluminum, Cast Brass (BBR) or Copper with Natural Brass Accents		Cast Aluminum, Cast Brass (BBR) or Copper with Natural Brass Accents																																									
Power Usage at 12V AC Input, VA and Watts	3.8W, 4.95VA		3.8W, 4.95VA																																									
CRI	80+		80+																																									
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																									
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.																																									
Delivered Lumens & Efficacy	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 49 lm/W	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 49 lm/W																																								
Wiring	20" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																									
Notes	Includes 8" slotted in-ground stake. Copper and brass will naturally patina over time.		Includes 8" slotted in-ground stake. Copper and brass will naturally patina over time.																																									
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																									
Dimensions																																												
Photometrics	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>10.75</td><td>5.6</td><td>2.24</td><td>.66</td><td>.22</td><td>.10</td><td>.07</td><td>.03</td><td>.01</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	10.75	5.6	2.24	.66	.22	.10	.07	.03	.01	<table border="1"> <tr><th>Distance from Light</th><th>0'</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Foot-candles (FC)</td><td>20.7</td><td>6.6</td><td>1</td><td>.28</td><td>.10</td><td>.06</td><td>.01</td><td>-</td><td>-</td></tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	20.7	6.6	1	.28	.10	.06	.01	-	-
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																			
Foot-candles (FC)	10.75	5.6	2.24	.66	.22	.10	.07	.03	.01																																			
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																			
Foot-candles (FC)	20.7	6.6	1	.28	.10	.06	.01	-	-																																			

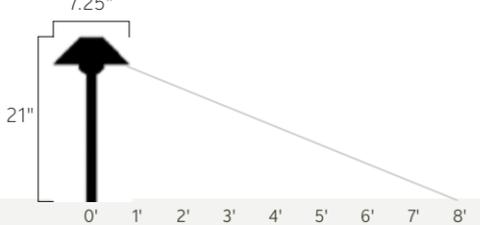
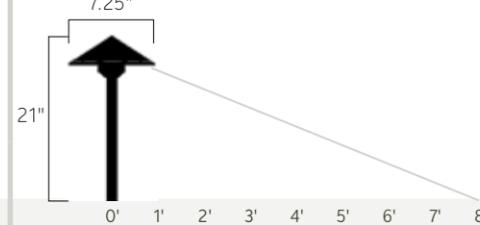
52 *Using optional black glare guard reflector (FM128296BKT) will slightly reduce the above. Reflectors can be flipped or inverted for even more glare control

Path & Spread

12V Integrated LED



	Tiki		Four Corners																																																													
Finishes	TZZ		AZT (shown), BKT, TZZ		Additional Finishes																																																											
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	 BKT  TZZ																																																											
Item Number and Finish	15801 TZZ27R	15801 TZZ30R	16121 AZT27 16121 BKT27 16121 TZZ27	16121 AZT30 16121 BKT30 16121 TZZ30																																																												
Housing	Cast Aluminum		Cast Aluminum		 LED Deck Light 16111, see page 66																																																											
Power Usage at 12V AC Input, VA and Watts	3.8W, 4.95VA		4.3W, 5.8VA																																																													
CRI	80+		80+		Coordinating Product																																																											
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																																													
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		LED Deck Light 16111, see page 66																																																											
Delivered Lumens & Efficacy	2700K = 168 lm 2700K = 48 lm/W	3000K = 182 lm 3000K = 49 lm/W	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W																																																												
Wiring	24" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		LED Deck Light 16113, see page 67																																																											
Notes	Includes 8" slotted in-ground stake		Includes 8" slotted in-ground stake. Included reflector can be removed if necessary.																																																													
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		15601 Surface Mounting Flange 15607 Surface Mounting Bracket FM127265 Hexcell Louver FM128296BKT Glare Guard Reflector																																																													
Dimensions					LED Deck Light 16113, see page 67																																																											
Photometrics	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>5.03</td><td>2.8</td><td>1</td><td>.33</td><td>.13</td><td>.09</td><td>.07</td><td>.04</td><td>.03</td> </tr> <tr> <th>FC with Included Reflector*</th> <td>-</td><td>17.5</td><td>5.8</td><td>2.4</td><td>1.2</td><td>.8</td><td>.5</td><td>.3</td><td>.1</td> </tr> </table>		Distance from Light	0'		1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	5.03	2.8	1	.33	.13	.09	.07	.04	.03	FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>66.5</td><td>30.3</td><td>6.2</td><td>1.4</td><td>.45</td><td>.17</td><td>.10</td><td>.06</td><td>.05</td> </tr> <tr> <th>FC with Included Reflector*</th> <td>-</td><td>17.5</td><td>5.8</td><td>2.4</td><td>1.2</td><td>.8</td><td>.5</td><td>.3</td><td>.1</td> </tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	66.5	30.3	6.2	1.4	.45	.17	.10	.06	.05	FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																																							
Foot-candles (FC)	5.03	2.8	1	.33	.13	.09	.07	.04	.03																																																							
FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1																																																							
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																																							
Foot-candles (FC)	66.5	30.3	6.2	1.4	.45	.17	.10	.06	.05																																																							
FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1																																																							

	Overlay		Perforated																																									
Finishes	AZT		CO (shown), AZT, TZZ		Additional Finishes																																							
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White	 AZT  TZZ																																							
Item Number and Finish	16122 AZT27	16122 AZT30	16123 AZT27 16123 CO27 16123 TZZ27	16123 AZT30 16123 CO30 16123 TZZ30																																								
Housing	Aluminum		Aluminum or Copper		 LED Deck Light 16112, see page 67																																							
Power Usage at 12V AC Input, VA and Watts	3.8W, 4.95VA		3.8W, 4.95VA																																									
CRI	80+		80+		Coordinating Product																																							
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																									
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		LED Deck Light 16112, see page 67																																							
Delivered Lumens & Efficacy	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 46 lm/W	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 46 lm/W																																								
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		LED Deck Light 16113, see page 67																																							
Notes	Includes 8" slotted in-ground stake and features decorative light-leak pattern. AZT finish overlay with TZZ undertone.		Includes 8" slotted in-ground stake and features decorative light-leak pattern. Copper will naturally patina over time.																																									
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																									
Dimensions					LED Deck Light 16113, see page 67																																							
Photometrics	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>12</td><td>7</td><td>1.9</td><td>.3</td><td>.06</td><td>.02</td><td>.01</td><td>.01</td><td>-</td> </tr> </table>		Distance from Light	0'		1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	12	7	1.9	.3	.06	.02	.01	.01	-	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>10</td><td>6.6</td><td>1.9</td><td>.3</td><td>.1</td><td>.04</td><td>.02</td><td>.01</td><td>.01</td> </tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	10	6.6	1.9	.3	.1	.04	.02	.01
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																			
Foot-candles (FC)	12	7	1.9	.3	.06	.02	.01	.01	-																																			
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																			
Foot-candles (FC)	10	6.6	1.9	.3	.1	.04	.02	.01	.01																																			

54 *Using optional black glare guard reflector (FM128289BKT) will slightly reduce the above. Reflectors can be flipped or inverted for even more glare control

Path & Spread

12V Integrated LED



	Round Tiered		Flare																																																													
Finishes	AGZ (shown), BKT, CW		AZT (shown), BBR, CO																																																													
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White																																																												
Item Number and Finish	16124 AGZ27 16124 BKT27 16124 CW27	16124 AGZ30 16124 BKT30 16124 CW30	16125 AZT27 16125 BBR27 16125 CO27	16125 AZT30 16125 BBR30 16125 CO30																																																												
Housing	Aluminum		Cast Aluminum, Cast Brass (BBR) or Copper																																																													
Power Usage at 12V AC Input, VA and Watts	3.8W, 4.95VA		4.3W, 5.8VA																																																													
CRI	80+		80+																																																													
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																																													
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.																																																													
Delivered Lumens & Efficacy	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 46 lm/W	2700K = 294 lm 2700K = 68 lm/W	3000K = 302 lm 3000K = 70 lm/W																																																												
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																																													
Notes	Includes 8" slotted in-ground stake and features decorative light-leak pattern		Includes 8" slotted in-ground stake. Copper and brass will naturally patina over time. Included reflector can be removed if necessary.																																																													
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		15601 Surface Mounting Flange 15607 Surface Mounting Bracket FM127265 Hexcell Louver FM128296BKT Glare Guard Reflector																																																													
Dimensions																																																																
Photometrics	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>7.4</td><td>4.3</td><td>1.2</td><td>.21</td><td>.16</td><td>.14</td><td>.07</td><td>.03</td><td>.03</td> </tr> <tr> <th>FC with Included Reflector*</th> <td>-</td><td>17.5</td><td>5.8</td><td>2.4</td><td>1.2</td><td>.8</td><td>.5</td><td>.3</td><td>.1</td> </tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	7.4	4.3	1.2	.21	.16	.14	.07	.03	.03	FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>66.5</td><td>30.3</td><td>6.2</td><td>1.4</td><td>.45</td><td>.17</td><td>.1</td><td>.06</td><td>.05</td> </tr> <tr> <th>FC with Included Reflector*</th> <td>-</td><td>17.5</td><td>5.8</td><td>2.4</td><td>1.2</td><td>.8</td><td>.5</td><td>.3</td><td>.1</td> </tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	66.5	30.3	6.2	1.4	.45	.17	.1	.06	.05	FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																																							
Foot-candles (FC)	7.4	4.3	1.2	.21	.16	.14	.07	.03	.03																																																							
FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1																																																							
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																																							
Foot-candles (FC)	66.5	30.3	6.2	1.4	.45	.17	.1	.06	.05																																																							
FC with Included Reflector*	-	17.5	5.8	2.4	1.2	.8	.5	.3	.1																																																							

	Petal		Pierced Dome																																									
Finishes	AZT		AZT																																									
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White																																								
Item Number and Finish	16126 AZT27	16126 AZT30	15857 AZT27R	15857 AZT30R																																								
Housing	Aluminum		Cast Aluminum																																									
Power Usage at 12V AC Input, VA and Watts	3.8W, 4.95VA		3.8W, 4.95VA																																									
CRI	80+		80+																																									
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output																																									
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.																																									
Delivered Lumens & Efficacy	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 46 lm/W	2700K = 168 lm 2700K = 46 lm/W	3000K = 182 lm 3000K = 49 lm/W																																								
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		30" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																									
Notes	Includes 8" slotted in-ground stake and features decorative light-leak pattern. AZT finish overlay with TZE undertone.		Includes 8" slotted in-ground stake and features decorative light-leak pattern. Incandescent version of fixture 15457 on page 143.																																									
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																											
Dimensions																																												
Photometrics	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>12</td><td>6</td><td>1.6</td><td>.4</td><td>.16</td><td>.05</td><td>.02</td><td>.02</td><td>.01</td> </tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	12	6	1.6	.4	.16	.05	.02	.02	.01	<table border="1"> <tr> <th>Distance from Light</th> <td>0'</td><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Foot-candles (FC)</th> <td>7.5</td><td>3.8</td><td>1.3</td><td>.3</td><td>.15</td><td>.02</td><td>.01</td><td>-</td><td>-</td> </tr> </table>		Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	Foot-candles (FC)	7.5	3.8	1.3	.3	.15	.02	.01	-	-
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																			
Foot-candles (FC)	12	6	1.6	.4	.16	.05	.02	.02	.01																																			
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'																																			
Foot-candles (FC)	7.5	3.8	1.3	.3	.15	.02	.01	-	-																																			

56 *Using optional black glare guard reflector (FM128296BKT) will slightly reduce the above. Reflectors can be flipped or inverted for even more glare control

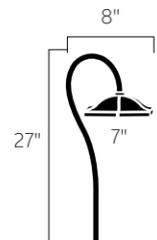
Path & Spread

12V Integrated LED



Shepherd's Crook

Finishes	BBR (shown), AZT		Additional Finishes
	Color Temperature	2700K - Warm White	
Item Number and Finish	15807 AZT27R 15807 BBR27R	15807 AZT30R 15807 BBR30R	
Housing	Cast Aluminum or Brass (BBR)		
Power Usage at 12V AC Input, VA and Watts	4.3W, 5.8VA		
CRI	80+		
Voltage Range	9V-15V AC/DC with no loss in light output		
Light Source	8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Delivered Lumens & Efficacy	2700K = 294 lm 2700K = 67 lm/W	3000K = 302 lm 3000K = 73 lm/W	
Wiring	24" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake. Brass will naturally patina over time.		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		



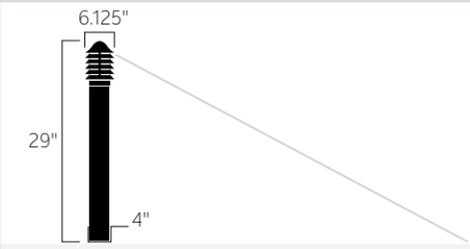
Photometrics

Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'
Foot-candles (FC)	61.9	53.5	11.96	2.47	1.04	.33	.22	.1	.08



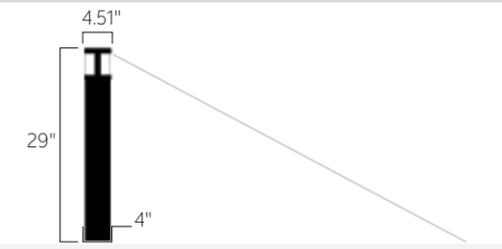
Louvered Bollard

Finishes	AZT (shown), BKT	Additional Finishes	AZT (shown), BKT	Additional Finishes
	Color Temperature		2800K - Warm White	
Item Number and Finish	16130 AZT28 16130 BKT28		16131 AZT28 16131 BKT28	
Housing	Cast Aluminum with Weathered White Glass		Cast Aluminum with Weathered White Glass	
Power Usage at 12V AC Input, VA and Watts	3.5W, 5.67VA		3.5W, 5.67VA	
CRI	80+		80+	
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output	
Light Source	Omni-directional light engine utilizing 3 high output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		Omni-directional light engine utilizing 3 high output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.	
Delivered Lumens & Efficacy	2800K = 224 lm 2800K = 64 lm/W		2800K = 224 lm 2800K = 64 lm/W	
Wiring	20" of usable #18-2, SPT-2W leads. Cable connectors supplied.		20" of usable #18-2, SPT-2W leads. Cable connectors supplied.	
Notes	Customer is required to purchase one of the accessories below for installation		Customer is required to purchase one of the accessories below for installation	
Accessories	Required for installation: 15671ST Bollard Template Kit (concrete or paver applications) 15578BK Bollard Mounting Stake (soil applications)			



Photometrics

Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'
Foot-candles (FC)	.17	.44	.79	.52	.25	.14	.07	.04	.03



Tee Bollard



Path & Spread

12V Integrated LED



	Side Throw Bollard		Mission Bollard	
Finishes	AZT (shown), BKT	Additional Finishes	AZT (shown), BKT	Additional Finishes
Color Temperature	2800K - Warm White	 BKT	2800K - Warm White	 BKT
Item Number and Finish	16132 AZT28 16132 BKT28		16133 AZT28 16133 BKT28	
Housing	Cast Aluminum with Weathered White Glass		Cast Aluminum with Weathered White Glass	
Power Usage at 12V AC Input, VA and Watts	3.5W, 5.67VA		3.5W, 5.67VA	
CRI	80+		80+	
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output	
Light Source	Directional aiming light engine utilizing 3 high output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		Omni-directional light engine utilizing 3 high output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.	
Delivered Lumens & Efficacy	2800K = 224 Lm 2800K = 64 Lm/W		2800K = 224 Lm 2800K = 64 Lm/W	
Wiring	20" of usable #18-2, SPT-2W leads. Cable connectors supplied.		20" of usable #18-2, SPT-2W leads. Cable connectors supplied.	
Notes	Customer is required to purchase one of the accessories below for installation		Customer is required to purchase one of the accessories below for installation	
Accessories	Required for installation: 15671ST Bollard Template Kit (concrete or paver applications) 15578BK Bollard Mounting Stake (soil applications)			

Dimensions	Side Throw Bollard	Mission Bollard
Height	29"	29"
Top Diameter	4.51"	8"
Base Diameter	4"	4"

Photometrics	Side Throw Bollard									Mission Bollard								
Distance from Light	0'	1'	2'	3'	4'	5'	6'	7'	8'	0'	1'	2'	3'	4'	5'	6'	7'	8'
Foot-candles (FC)	.07	.68	.7	.55	.37	.25	.16	.11	.08	.06	.5	.5	.33	.21	.15	.09	.06	.04

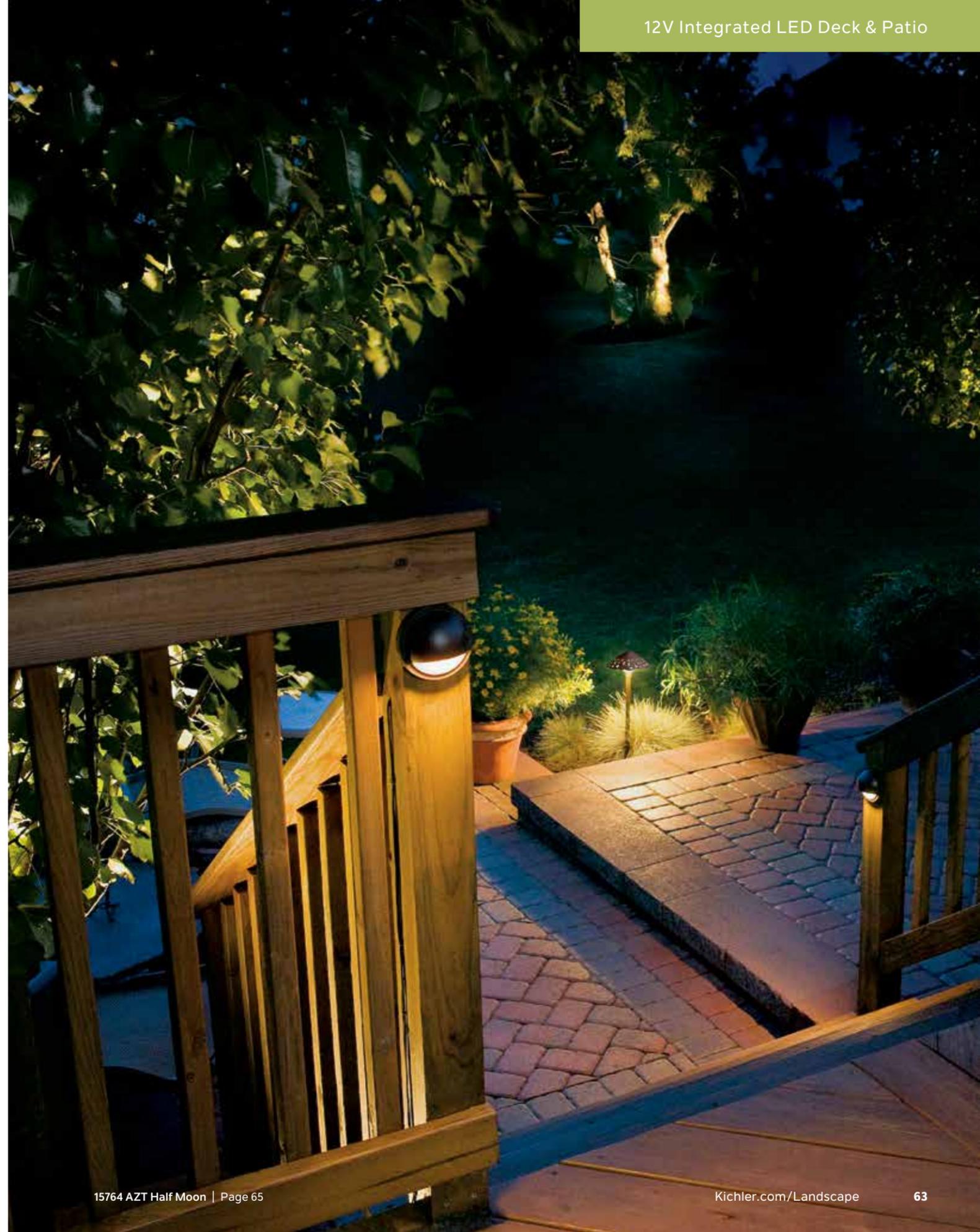




12V Deck & Patio

Integrated LED

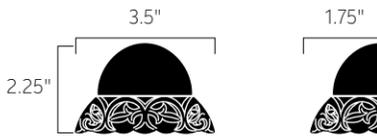
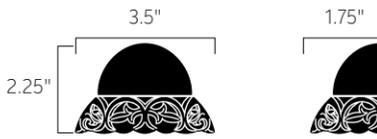
Decorative and functional, our integrated deck and patio lights are optimized for all-weather performance and deliver clean, even light.

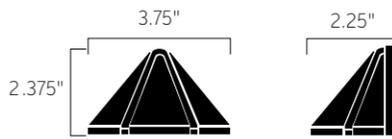


Deck & Patio

12V Integrated LED



	Vintage Park™		Decorative Hammered Roof											
Finishes	TZT		TZT											
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White										
Item Number and Finish	15750 TZT27R	15750 TZT30R	15763 TZT27R	15763 TZT30R										
Housing	Cast Aluminum		Brass											
Power Usage at 12V AC Input, VA and Watts	.86W, 1.86VA		.86W, 1.86VA											
CRI	80+	80+	80+	80+										
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output		Coordinating Products  LED Path Lights 15871 & 15843, see page 44									
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.											
Delivered Lumens & Efficacy	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W										
Wiring	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.		72" of usable #18-2, SPT-1W leads. Cable connectors supplied.											
Notes	Includes stainless steel mounting bracket and hardware.		Features decorative light-leak pattern. Includes stainless steel mounting bracket and hardware. Brass will naturally patina over time.											
Dimensions														
Photometrics														
Mounting Height	0'	.5'	1'	2'	3'	4'	5'	0'	.5'	1'	2'	3'	4'	5'
6"	76.5	20	3	.2	.06	.05	.03	76.5	20	3	.2	.06	.05	.03
12"	13	10.63	4.8	1.1	.20	.08	.05	13	10.63	4.8	1.1	.20	.08	.05
30"	3.2	3.4	2.6	1.2	.52	.24	.12	3.2	3.4	2.6	1.2	.52	.24	.12

	Mini Deck Light		Half Moon											
Finishes	BBR (shown), AZT, BKT, WHT		Additional Finishes		BBR (shown), AZT, WHT		Additional Finishes							
Color Temperature	2700K - Warm White	3000K - Pure White	 AZT  BKT  WHT		2700K - Warm White	3000K - Pure White	 AZT  WHT							
Item Number and Finish	15765 AZT27R 15765 BBR27R 15765 BKT27R 15765 WHT27R	15765 AZT30R 15765 BBR30R 15765 BKT30R 15765 WHT30R			15764 AZT27R 15764 BBR27R 15764 WHT27R	15764 AZT30R 15764 BBR30R 15764 WHT30R								
Housing	Cast Aluminum or Cast Brass (BBR)				Cast Aluminum or Cast Brass (BBR) with satin-etched lens									
Power Usage at 12V AC Input, VA and Watts	.86W, 1.86VA				.86W, 1.86VA									
CRI	80+	80+			80+	80+								
Voltage Range	9V-15V AC/DC with no loss in light output		Coordinating Products  LED Path Lights 15815, 15827 & 15826, see pages 49-50		9V-15V AC/DC with no loss in light output									
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.				1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.									
Delivered Lumens & Efficacy	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W			2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W								
Wiring	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.				72" of usable #18-2, SPT-1W leads. Cable connectors supplied.									
Notes	Includes stainless steel mounting bracket and hardware. White finish has coordinating white color leads. Brass will naturally patina over time.				Includes stainless steel mounting bracket and hardware. White finish has coordinating white color leads. Brass will naturally patina over time.									
Dimensions														
Photometrics														
Mounting Height	0'	.5'	1'	2'	3'	4'	5'	0'	.5'	1'	2'	3'	4'	5'
6"	76.5	20	3	.2	.06	.05	.03	29.7	14.8	1.6	.07	.05	.01	.00
12"	13	10.63	4.8	1.1	.20	.08	.05	8.3	6.4	2.6	.45	.08	.02	.01
30"	3.2	3.4	2.6	1.2	.52	.24	.12	2.1	2.05	1.55	.5	.3	.11	.09

Deck & Patio

12V Integrated LED



	Fundamentals™		Four Corners				
Finishes	GRY (shown), AZT, BBR, BKT, CO, SD		AZT (shown), BKT, TZT		Additional Finishes		
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White			
Item Number and Finish	16110 AZT27 16110 BBR27 16110 BKT27 16110 CO27 16110 GRY27 16110 SD27	16110 AZT30 16110 BBR30 16110 BKT30 16110 CO30 16110 GRY30 16110 SD30	16111 AZT27 16111 BKT27 16111 TZT27	16111 AZT30 16111 BKT30 16111 TZT30	BKT TZT		
Housing	Cast Aluminum, Cast Brass (BBR) or Copper (CO)		Cast Aluminum				
Power Usage at 12V AC Input, VA and Watts	.86W, 1.86VA		.86W, 1.86VA				
CRI	80+	80+	80+	80+			
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output		Coordinating Product		
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		LED Path Light 16121 see page 54		
Delivered Lumens & Efficacy	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W			
Wiring	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.		72" of usable #18-2, SPT-1W leads. Cable connectors supplied.				
Notes	Copper and Brass will naturally patina over time						
Dimensions							
Photometrics							
Mounting Height	0'	.5'	1'	2'	3'	4'	5'
6"	76.5	20	3	.2	.06	.05	.03
12"	13	10.63	4.8	1.1	.20	.08	.05
30"	3.2	3.4	2.6	1.2	.52	.24	.12

	Overlay		Perforated				
Finishes	AZT (shown)		AZT (shown), CO, TZT		Additional Finishes		
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White			
Item Number and Finish	16112 AZT27	16112 AZT30	16113 AZT27 16113 CO27 16113 TZT27	16113 AZT30 16113 CO30 16113 TZT30	CO TZT		
Housing	Cast Aluminum		Cast Aluminum or Copper (CO)				
Power Usage at 12V AC Input, VA and Watts	.86W, 1.86VA		.86W, 1.86VA				
CRI	80+	80+	80+	80+			
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output		Coordinating Product		
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		LED Path Lights 16123 see page 55		
Delivered Lumens & Efficacy	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W			
Wiring	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.		72" of usable #18-2, SPT-1W leads. Cable connectors supplied.				
Notes	Features decorative light-leak pattern with TZT underlay		Features decorative light-leak pattern. Copper will naturally patina over time.				
Dimensions							
Photometrics							
Mounting Height	0'	.5'	1'	2'	3'	4'	5'
6"	14.5	7.1	.24	.02	.01	.00	.00
12"	3.0	3.1	1.6	.08	.01	.01	.00
30"	.8	.87	.78	.4	.15	.03	.01

Deck & Patio

12V Integrated LED



	Brick Light (with Louvers)		Brick Light (without Louvers)				
	AZT (shown)		AZT (shown)				
Finishes							
Color Temperature	2700K - Warm White	3000K - Pure White	2700K - Warm White	3000K - Pure White			
Item Number and Finish	15773 AZT27R	15773 AZT30R	15774 AZT27R	15774 AZT30R			
Housing	Cast Aluminum		Cast Aluminum				
Power Usage at 12V AC Input, VA and Watts	1.72 W, 3.72 VA		1.72 W, 3.72 VA				
CRI	80+	80+	80+	80+			
Voltage Range	9V-15V AC/DC with no loss in light output		9V-15V AC/DC with no loss in light output				
Light Source	2 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.		2 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.				
Delivered Lumens & Efficacy	2700K = 82 lm 2700K = 100 lm/W	3000K = 86 lm 3000K = 102 lm/W	2700K = 82 lm 2700K = 100 lm/W	3000K = 86 lm 3000K = 102 lm/W			
Wiring	Wire connection must be made inside fixture		Wire connection must be made inside fixture				
Notes	Included stainless steel mounting hardware and junction box. Designed to be integrated into brick wall during construction. LED version is also usable in vertical risers. Incandescent version of fixture 15073 on page 162.		Included stainless steel mounting hardware and junction box. Designed to be integrated into brick wall during construction. LED version is also usable in vertical risers. Incandescent version of fixture 15074 on page 162.				
Dimensions							
Photometrics							
Mounting Height	0'	.5'	1'	2'	3'	4'	5'
12"	.07	.40	1.3	.60	.14	.06	.03
24"	.02	.05	.16	.23	.23	.08	.05
36"	.01	.01	.83	.08	.11	.13	.08
	0'	.5'	1'	2'	3'	4'	5'
	3.00	1.30	0.10	0.44	0.10	0.03	0.03
	0.06	0.20	0.30	0.20	0.10	0.08	0.04
	0.04	0.09	0.10	0.18	0.12	0.09	0.06

	Mini Step Light (with Louvers)		Mini Step Light (without Louvers)				
	CO (shown), AZT, BBR, BKT, WHT		Additional Finishes	AZT (shown)			
Finishes							
Color Temperature	2700K - Warm White	3000K - Pure White	 AZT BBR BKT WHT	2700K - Warm White	3000K - Pure White		
Item Number and Finish	15782 AZT27R 15782 BBR27R 15782 BKT27R 15782 CO27R 15782 WHT27R	15782 AZT30R 15782 BBR30R 15782 BKT30R 15782 CO30R 15782 WHT30R		15780 AZT27R	15780 AZT30R		
Housing	Aluminum, Brass or Copper with white reflector. Zinc-plated steel housing.			Aluminum with white reflector. Zinc-plated steel housing.			
Power Usage at 12V AC Input, VA and Watts	.86W, 1.86VA			.86W, 1.86VA			
CRI	80+	80+		80+	80+		
Voltage Range	9V-15V AC/DC with no loss in light output			9V-15V AC/DC with no loss in light output			
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Delivered Lumens & Efficacy	2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W		2700K = 41 lm 2700K = 50 lm/W	3000K = 43 lm 3000K = 51 lm/W		
Wiring	Wire connection must be made inside fixture			Wire connection must be made inside fixture			
Notes	Included stainless steel mounting hardware and junction box. Designed to be integrated into outdoor steps. Copper and Brass will naturally patina over time. Incandescent version of fixture 15072 on page 163.			Included stainless steel mounting hardware and junction box. Designed to be integrated into outdoor steps. Incandescent version of fixture 15070 on page 163.			
Dimensions							
Photometrics							
Mounting Height	0'	.5'	1'	2'	3'	4'	5'
6"	.92	.38	.56	0	0	0	0
12"	15	.14	.14	.03	.19	0	0
	0'	.5'	1'	2'	3'	4'	5'
	1.40	1.20	0.40	0.08	0.03	0.01	0.00
	0.09	0.40	0.29	0.13	0.04	0.02	0.01

LED Portable Lantern

Dimmable with Bluetooth® Speaker



	South Hope™ LED	Lyndon™ LED
Finishes	RZ	BKT
Color Temperature	3000K - Pure White	3000K - Pure White
Item Number and Finish	49473 RZLED	49500 BKTLED
Description	Rubbed Bronze finish with satin-etched, cased opal glass	Textured Black finish with etched seeded glass
CRI	80+	80+
Light Source/Wattage	7W	7W
Lumens per Fixture	250 lm	250 lm
Notes	<p>D LE Dimmable. Rechargeable with included power adapter. Damp-rated for indoor or covered outdoor areas. 3W audio output with independent controls for sound and lighting. Controlled by any Bluetooth®-enabled device; 30-foot range. Rechargeable NiMH 3.6V battery. Charge from 0-100% in 5 hours. 5-hour battery life at maximum volume and 100% light. Coordinates with our South Hope™ decorative collection.</p> <p>D LE Dimmable. Rechargeable with included power adapter. Damp-rated for indoor or covered outdoor areas. 3W audio output with independent controls for sound and lighting. Controlled by any Bluetooth®-enabled device; 30-foot range. Rechargeable NiMH 3.6V battery. Charge from 0-100% in 5 hours. 5-hour battery life at maximum volume and 100% light. Coordinates with our Lyndon™ decorative collection.</p>	
Dimensions	6"W x 19"H x 6"L	8"W x 19"H x 8"L



Full-function indicator buttons for audio control and light dimming.



Integrated speaker



Full-function indicator buttons for audio control and light dimming.



Integrated speaker





12V Hardscape

Integrated LED

Fully encapsulated design ensures the fixture will stand the test of time with no callback or replacement headaches. Ideal for adding safety and ambiance to patios, retaining walls, columns, fences, bridges, decks, steps, handrails, outdoor kitchens...you name it.



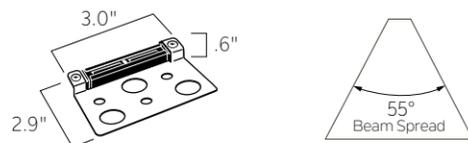
Hardscape

12V Integrated LED Hardscape, Deck, Step & Bench



1 LED Fixture (with Bracket) - 3" L

Finishes	AZT (shown), BBR, CO, GRY, SD, WHT				Additional Finishes
	Color Temperature	2700K - Warm White		3000K - Pure White	
Item Number and Finish	15744 AZT27	15744 GRY27	15744 AZT30	15744 GRY30	
	15744 BBR27	15744 SD27	15744 BBR30	15744 SD30	
	15744 CO27	15744 WHT27	15744 CO30	15744 WHT30	
Housing	Cast Aluminum, Cast Brass (BBR) or Copper-Plated Brass (CO)				
Power Usage at 12V AC Input VA and Watts	.19W, .28VA				
CRI	80+		80+		
Voltage Range	9V-15V AC/DC with no loss in output				
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.				
Delivered Lumens & Efficacy	2700K = 8.4 lm 2700K = 44 lm/W		3000K = 8.6 lm 3000K = 45 lm/W		
Wiring	70" of usable #18-2, SPT-1W leads. Cable connectors supplied.				
Notes	Copper and brass will naturally patina over time. White finish has coordinating white color leads.				
Accessories	15716 SS (Stainless Steel) - 1 LED Flat Mount Bracket Mounting hardware included.				

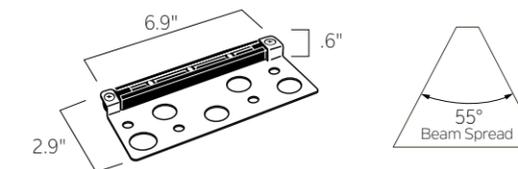


Photometrics*

Mounting Height	0'	1'	2'	3'	4'
12"	8.65	1.1	.07	.03	.02
24"	2.08	.98	.3	.06	.04
36"	.95	.61	.3	.14	.06

3 LED Fixture (with Bracket) - 6.9" L

Finishes	BBR (shown), AZT, CO, GRY, SD, WHT				Additional Finishes
	Color Temperature	2700K - Warm White		3000K - Pure White	
Item Number and Finish	15745 AZT27	15745 GRY27	15745 AZT30	15745 GRY30	
	15745 BBR27	15745 SD27	15745 BBR30	15745 SD30	
	15745 CO27	15745 WHT27	15745 CO30	15745 WHT30	
Housing	Cast Aluminum, Cast Brass (BBR) or Copper-Plated Brass (CO)				
Power Usage at 12V AC Input VA and Watts	.75W, 1.3VA				
CRI	80+		80+		
Voltage Range	9V-15V AC/DC with no loss in light output				
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.				
Delivered Lumens & Efficacy	2700K = 34.7 lm 2700K = 46 lm/W		3000K = 44.5 lm 3000K = 59 lm/W		
Wiring	70" of usable #18-2, SPT-1W leads. Cable connectors supplied.				
Notes	Copper and brass will naturally patina over time. White finish has coordinating white color leads.				
Accessories	15717 SS (Stainless Steel) - 3 LED Flat Mount Bracket Mounting hardware included.				



Photometrics*

Mounting Height	0'	1'	2'	3'	4'
12"	43.7	4.89	.31	.12	.07
24"	10.7	4.87	1.29	.12	.08
36"	4.96	3.14	1.56	.67	.24

*Values stated for 3000K. -10% for 2700K.

Hardscape

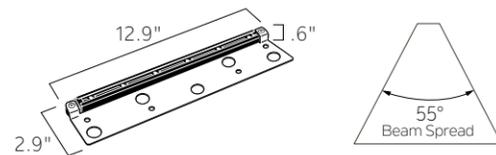
12V Integrated LED Hardscape, Deck, Step & Bench



6 LED Fixture (with Bracket) - 12.9" L

Finishes	AZT (shown), BBR, CO, GRY, SD, WHT				Additional Finishes
	Color Temperature	2700K - Warm White		3000K - Pure White	
Item Number and Finish	15746 AZT27 15746 BBR27 15746 CO27	15746 GRY27 15746 SD27 15746 WHT27	15746 AZT30 15746 BBR30 15746 CO30	15746 GRY30 15746 SD30 15746 WHT30	
Housing	Cast Aluminum, Cast Brass (BBR) or Copper-Plated Brass (CO)				
Power Usage at 12V AC Input VA and Watts	1.4W, 2.4VA				
CRI	80+		80+		
Voltage Range	9V-15V AC/DC with no loss in light output				
Light Source	6 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.				
Delivered Lumens & Efficacy	2700K = 69.5 lm 2700K = 49 lm/W		3000K = 88 lm 3000K = 63 lm/W		
Wiring	70" of usable #18-2, SPT-1W leads. Wire connectors supplied.				
Notes	Copper and brass will naturally patina over time. White finish has coordinating white color leads.				
Accessories	15718 SS (Stainless Steel) - 6 LED Flat Mount Bracket Mounting hardware included.				

Dimensions



Photometrics*

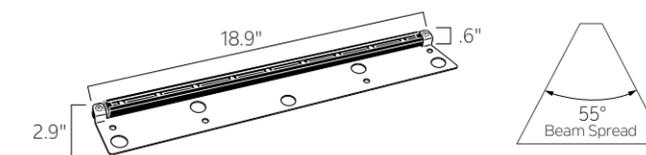
Mounting Height	0'	1'	2'	3'	4'
12"	65.10	9.74	.6	.22	.14
24"	19.64	9.15	2.72	.48	.24
36"	9.16	5.82	2.74	1	.3



9 LED Fixture (with Bracket) - 18.9" L

Finishes	GRY (shown), AZT, BBR, CO, SD, WHT				Additional Finishes
	Color Temperature	2700K - Warm White		3000K - Pure White	
Item Number and Finish	15756 AZT27 15756 BBR27 15756 CO27	15756 GRY27 15756 SD27 15756 WHT27	15756 AZT30 15756 BBR30 15756 CO30	15756 GRY30 15756 SD30 15756 WHT30	
Housing	Cast Aluminum, Cast Brass (BBR) or Copper-Plated Brass (CO)				
Power Usage at 12V AC Input VA and Watts	2.2W, 3.7VA				
CRI	80+		80+		
Voltage Range	9V-15V AC/DC with no loss in light output				
Light Source	9 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.				
Delivered Lumens & Efficacy	2700K = 104.2 lm 2700K = 47 lm/W		3000K = 132 lm 3000K = 60 lm/W		
Wiring	70" of usable #18-2, SPT-1W leads. Wire connectors supplied.				
Notes	Copper and brass will naturally patina over time. White finish has coordinating white color leads.				
Accessories	15719 SS (Stainless Steel) - 9 LED Flat Mount Bracket Mounting hardware included.				

Dimensions



Photometrics*

Mounting Height	0'	1'	2'	3'	4'
12"	80.4	12	1.08	.36	.21
24"	26.81	13.13	3.81	.91	.39
36"	13.51	8.43	4.55	1.78	.62

*Values stated for 3000K. -10% for 2700K.

Hardscape

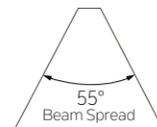
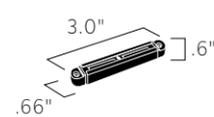
12V Integrated LED Hardscape, Deck, Step & Bench



1 LED Fixture (without Bracket) - 3" L

Finishes	BBR (shown), AZT, CO, GRY, SD, WHT			Additional Finishes
Color Temperature	3000K - Pure White			
Item Number and Finish	15734 AZT30 15734 BBR30	15734 CO30 15734 GRY30	15734 SD30 15734 WHT30	
Housing	Cast Aluminum, Cast Brass (BBR) or Copper-Plated Brass (CO)			
Power Usage at 12V AC Input VA and Watts	.19W, .28VA			
CRI	80+			
Voltage Range	9V-15V AC/DC with no loss in light output			
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Delivered Lumens & Efficacy	3000K = 8.6 lm 3000K = 45 lm/W			
Wiring	70" of usable #18-2, SPT-1W leads. Wire connectors supplied. White finish has coordinating white color leads.			
Notes	Stainless steel mounting screws included. Not for use with electronic transformers. Copper and brass will naturally patina over time.			
Accessories	15716 SS (Stainless Steel) - 1 LED Flat Mount Bracket Mounting hardware included.			

Dimensions



Photometrics

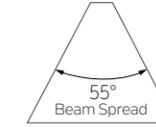
Mounting Height	0'	1'	2'	3'	4'
12"	8.65	1.1	.07	.03	.02
24"	2.08	.98	.3	.06	.04
36"	.95	.61	.30	.14	.06



3 LED Fixture (without Bracket) - 6.9" L

Finishes	WHT (shown), AZT, BBR, CO, GRY, SD			Additional Finishes
Color Temperature	3000K - Pure White			
Item Number and Finish	15735 AZT30 15735 BBR30	15735 CO30 15735 GRY30	15735 SD30 15735 WHT30	
Housing	Cast Aluminum, Cast Brass (BBR) or Copper-Plated Brass (CO)			
Power Usage at 12V AC Input VA and Watts	.75W, 1.3VA			
CRI	80+			
Voltage Range	9V-15V AC/DC with no loss in light output			
Light Source	3 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Delivered Lumens & Efficacy	3000K = 44.5 lm 3000K = 59 lm/W			
Wiring	70" of usable #18-2, SPT-1W leads. Wire connectors supplied. White finish has coordinating white color leads.			
Notes	Stainless steel masonry bracket and mounting screws included. Copper and brass will naturally patina over time.			
Accessories	15717 SS (Stainless Steel) - 3 LED Flat Mount Bracket Mounting hardware included.			

Dimensions



Photometrics

Mounting Height	0'	1'	2'	3'	4'
12"	43.7	4.89	.31	.12	.07
24"	10.7	4.87	1.29	.12	.08
36"	4.96	3.14	1.56	.67	.24

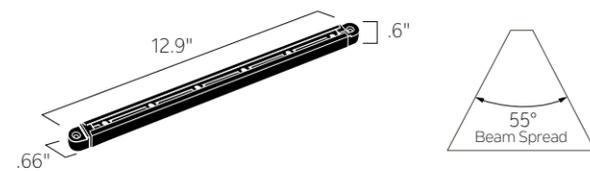
Hardscape

12V Integrated LED Hardscape, Deck, Step & Bench



6 LED Fixture (without Bracket) - 12.9" L

Finishes	SD (shown), AZT, BBR, CO, GRY, WHT			Additional Finishes
Color Temperature	3000K - Pure White			
Item Number and Finish	15736 AZT30 15736 BBR30	15736 CO30 15736 GRY30	15736 SD30 15736 WHT30	
Housing	Aluminum, Brass (BBR) or Copper-Plated Brass (CO)			
Power Usage at 12V AC Input VA and Watts	1.4W, 2.4VA			
CRI	80+			
Voltage Range	9V-15V AC/DC with no loss in light output			
Light Source	6 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Delivered Lumens & Efficacy	3000K = 88 lm 3000K = 61 lm/W			
Wiring	70" of usable #18-2, SPT-1W leads. Wire connectors supplied. White finish has coordinating white color leads.			
Notes	Stainless steel masonry bracket and mounting screws included. Copper and brass will naturally patina over time.			
Accessories	15718 SS (Stainless Steel) - 6 LED Flat Mount Bracket Mounting hardware included.			



Photometrics

Mounting Height	0'	1'	2'	3'	4'
12"	65.1	9.74	.6	.22	.14
24"	19.64	9.15	2.72	.48	.24
36"	9.16	5.82	2.74	1	.3



9 LED Fixture (without Bracket) - 18.9" L

Finishes	AZT (shown), BBR, CO, GRY, SD, WHT			Additional Finishes
Color Temperature	3000K - Pure White			
Item Number and Finish	15755 AZT30 15755 BBR30	15755 CO30 15755 GRY30	15755 SD30 15755 WHT30	
Housing	Aluminum, Brass (BBR) or Copper-Plated Brass (CO)			
Power Usage at 12V AC Input VA and Watts	2.2W, 3.7VA			
CRI	80+			
Voltage Range	9V-15V AC/DC with no loss in light output			
Light Source	9 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Delivered Lumens & Efficacy	3000K = 132 lm 3000K = 62 lm/W			
Wiring	70" of usable #18-2, SPT-1W leads. Wire connectors supplied. White finish has coordinating white color leads.			
Notes	Stainless steel masonry bracket and mounting screws included. Copper and brass will naturally patina over time.			
Accessories	15719 SS (Stainless Steel) - 9 LED Flat Mount Bracket Mounting hardware included.			



Photometrics

Mounting Height	0'	1'	2'	3'	4'
12"	80.4	12	1.08	.36	.21
24"	26.81	13.13	3.81	.91	.39
36"	13.51	8.43	4.55	1.78	.62



Low-Voltage Transformers

Power Supply for Landscape Lighting

Powerful and reliable options that can drive any professional landscape lighting system — from a simple lighting application to a sophisticated design.



Design Pro LED Controller



	Design Pro LED Controller - 100W	Design Pro LED Controller - 200W
Item Number	15DC100 - 100W	15DC200 - 200W
Zones	Up to 2 independently controlled zones	Up to 4 independently controlled zones
Weight	5.5 lbs.	8 lbs.

GENERAL SPECIFICATIONS – FOR ALL 3 CONTROLLERS

Description	All-in-one power supply and controller provides personalization, versatility and efficiencies to a professional LED installation.
Housing & Finish	UV stable and weather-proof polymeric material with textured gray finish. Non-corrosive high grade stainless steel components.
AC or DC & Output Voltage	15V constant DC
Input Voltage	108-132AC 50-60 Hz
Minimum Load & Fixture Loading	None. Use Watts (not VA) to load fixtures on controller.
Grounded Cord Type & Length	63" of usable #18-3 SJTW cord
Battery Back-up	Saves date and time only. All other settings saved to nonvolatile memory.
Terminal Lugs	Can fit up to 8, #16 GA per tap
Breaker Protection Type/Amps.	Electronically controlled 7 Amps.
Thermal Protection	Yes
Surge Protection	Primary surge protection protects against surges going down the line, unlike traditional transformers.
Event Schedules	Up to 12 programmable schedules
Vandal Resistant	Yes, with integrated locking tab – lock not included
Temperature Range	Operates at -40° F to 140° F (-40° C to 60° C)
Mounting Hardware	Included. Integrated easy-positionable keyhole slot mounts allow for a simple installation.



	Design Pro LED Controller - 300W
Item Number	15DC300 - 300W
Zones	Up to 6 independently controlled zones
Weight	11 lbs.

GENERAL SPECIFICATIONS – FOR ALL 3 CONTROLLERS (cont.)

Potting	Fully encapsulated potted electronics																								
Timer	Integrated astronomical clock programmable by geolocation																								
Efficiency on Primary Power Side	Minimum 85% (power-in, power-out)																								
UL Listing & FCC	ANSI/UL 1838 CSA 250.7 FCC Part 15B																								
Location Use	Wet location rated, outdoor use. Indoor acceptable by local code.																								
Transformer Type	Electronic DC (low ripple and acceptable for use LED Landscape fixtures)																								
System Information	Calculates live watts and amperage within zone summary																								
Overload Protection	Yes																								
Menu Diagnostics	Yes, to aid in troubleshooting common problems																								
Conduit Adaptor	1" trade-size PVC slip fit conduit adaptor for a clean and professional installation. Can also accept 1.25" trade size PVC conduit.																								
Wireless Type & Range	Z-Wave®. See Z-wave.com for additional options. 300' line of sight range. Vera Wireless Gateway compatible.																								
Network	Multiple controllers can be wirelessly synced together to create a network (maximum 4 controllers in 1 network). Multiple networks can be set-up in installations with more than 4 controllers.																								
Dimensions	<table border="0"> <tr> <td>15DC100</td> <td></td> <td>15DC200</td> <td></td> <td>15DC300</td> <td></td> </tr> <tr> <td>Height = 13.73"</td> <td></td> <td>Height = 13.71"</td> <td></td> <td>Height = 13.71"</td> <td></td> </tr> <tr> <td>Depth = 4.46"</td> <td></td> <td>Depth = 4.46"</td> <td></td> <td>Depth = 4.46"</td> <td></td> </tr> <tr> <td>Width = 8.62"</td> <td></td> <td>Width = 13.51"</td> <td></td> <td>Width = 13.51"</td> <td></td> </tr> </table>	15DC100		15DC200		15DC300		Height = 13.73"		Height = 13.71"		Height = 13.71"		Depth = 4.46"		Depth = 4.46"		Depth = 4.46"		Width = 8.62"		Width = 13.51"		Width = 13.51"	
15DC100		15DC200		15DC300																					
Height = 13.73"		Height = 13.71"		Height = 13.71"																					
Depth = 4.46"		Depth = 4.46"		Depth = 4.46"																					
Width = 8.62"		Width = 13.51"		Width = 13.51"																					



Accessories

Design Pro LED Controller



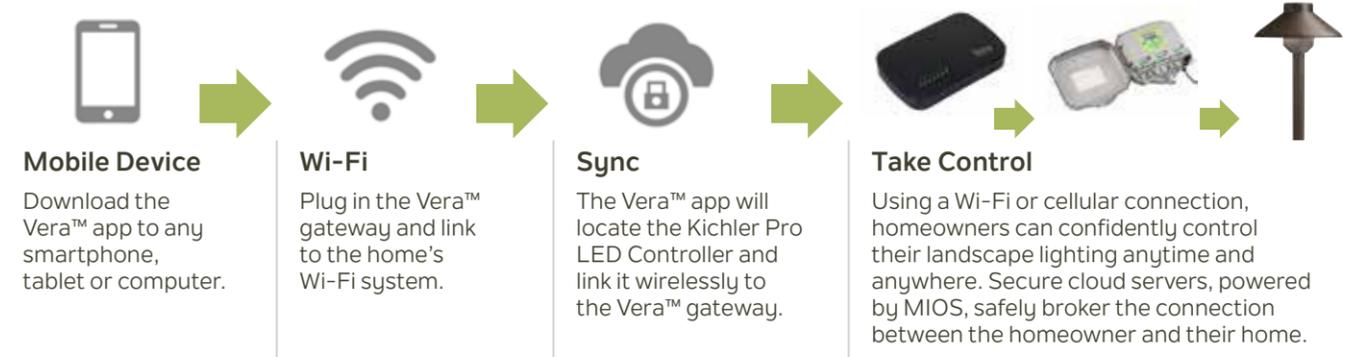
	Remote	Range Extender	#14-2 Wire	#16-2 Wire
Item Number	16080 BK	16081 WH	16088 BK	16089 BK
Description	Allows the user to independently control lighting zones based on pre-defined programs. This enables the homeowner to temporarily override schedules on individual zones by turning the lights on/off at any given time. Can also be used as a secondary programmer. Compatible with Vera Plus and Edge Gateways.	Allows for wireless range extension (additional 300') between wireless devices (ex: power supply to power supply). Plugs into any standard 120V outlet (dry location). Compatible with Vera Plus and Edge Gateways.	Now 14 and 16 gauge direct burial wire can now be used with Kichler's Design Pro LED Controller. Available in 250' EZ Pull boxes for added convenience. To be used only with the Kichler DesignPro LED Controller. See Kichler DC voltage drop calculator to calculate wire runs.	
Input Voltage	Internal lithium battery charges via provided USB cable	108-132AC 50-60 Hz		
UL Listing		UL listed for dry location; must be used indoors or put in an approved enclosure	UL listed for 12V outdoor lighting applications. UV stabilized PVC insulated. For direct burial.	
Wireless Type	Z-Wave®. See Z-Wave.com for additional options.	Z-Wave®. See Z-Wave.com for additional options.		
Notes	Add/remove devices, create scenes and control an entire Z-Wave® network with one remote. 100' indoor and 300' outdoor range.	Amplifies Z-Wave® wireless signals. Ranges differ depending on line of sight and interior building materials used. 100' indoor range.	Use proper direct burial connectors with the approved cable combinations	

 Z-Wave is a registered trademark of Sigma Design and its subsidiaries in the United States and other countries. For recommended third party accessories, please contact Kichler for a tested list.



	Vera™ Edge	Vera™ Plus
Item Number	16082 BK	16083 BK
Number of Controllable Devices	50-75	75-125
Communication Protocols	2	4
Use Smartphone, Tablet or Computer	Yes	Yes
Wi-Fi Compatible	802.11 b/g/n (Wi-Fi or hardwire ethernet connection)	802.11 a/b/g/n/ac (Requires hardwire ethernet connection)
Z-Wave® Plus	Yes - for use with Design Pro LED Controllers	Yes - for use with Design Pro LED Controllers
ZigBee Wireless Connectivity	No	Yes
Bluetooth® Wireless Connectivity	No	Yes
Backup Battery*	Optional/External	Optional/External
Built-in 3G Cellular Backup*	Optional/External	Optional/External

HOW IT WORKS



Transformers

Professional Series
Contractor Series



“ The stainless steel transformer not only looks great and installs in under 10min but also has a great warranty. Highly recommend by myself and many others in my profession ”

- Polermnky | Edwardsville, IL | 15PR300SS



	Professional Series PR – 100W-1200W	Professional Series PR – 75W
Finish	#304 Stainless Steel	#304 Stainless Steel
Item Number with Wattage	15PR100SS - 100W 15PR200SS - 200W 15PR300SS - 300W 15PR600SS - 600W 15PR900SS - 900W 15PR1200SS - 1200W	15PR75SS - 75W
Input Voltage	120V	120V
Output Multi-Taps	12/13/14/15 Volts. 2 separate sets of multi-tap output with angled terminal blocks for easy wire input.	15 Volts, with angled terminal blocks for easy wire input
Core and Coil	High-efficiency E.I. core and coil configuration (100W-600W). High-efficiency toroid core and coil (900W-1200W).	High-efficiency toroid core and coil configuration
Door Style	Easy magnetic flip-and-stay-open door	Easy magnetic flip-and-stay-open door
Easy-Connect Terminal Lug Capacity	Up to 8, #10-gauge wires or up to 10, #12-gauge wires per tap	Up to 8, #10-gauge wires or up to 10, #12-gauge wires per tap
Secondary Side Protection	Magnetic breaker	Magnetic breaker
Timer/Photocell	Compatible with plug-in timer and plug-in photocells	Compatible with plug-in timer and plug-in photocells
Cord	6' of usable SJTW cord	6' of usable #18-3 SJTW cord
Conduit Knockouts	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet
Notes	Includes mounting hardware. Dedicated wire loop for testing primary voltage.	Includes mounting hardware
Accessories	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer
Dimensions	19" L x 5.5" W x 5.75" D - 100W-300W 19" L x 6.75" W x 5.75" D - 600W 21" L x 6.75" W x 6" D - 900W 17.5" L x 8" W x 7" D - 1200W	16.5" L x 5.5" W x 5.75" D

	Professional Series PR 2-in-1	Contractor Series CS – 75W
Finish	#304 Stainless Steel	#304 Stainless Steel
Item Number with Wattage	15PRD600SS - 600W	15CS75SS - 75W
Input Voltage	120V	120V
Output Multi-Taps	12/13/14/15 Volts. 2 separate sets of multi-tap output with angled terminal blocks for easy wire input.	12/15 Volts
Core and Coil	High-efficiency toroid core and coil configuration	High-efficiency fully encapsulated toroidal
Door Style	Easy magnetic flip-and-stay-open door	Removable front plate with two locking screws
Easy-Connect Terminal Lug Capacity	Up to 8, #10-gauge wires or up to 10, #12-gauge wires per tap	Up to 14, #16-gauge wires per tap
Secondary Side Protection	Magnetic breaker	Magnetic breaker
Timer/Photocell	Compatible with plug-in timers and photocells. Two timer outlets for independent zone control of 2 independent lighting zones.	Integrated mechanical timer; plug-in photocell compatible
Cord	6' of usable #16-3 SJTW cord	6' of usable #18-3 SJTW cord
Conduit Knockouts	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet	2 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes)
Notes	Includes mounting hardware. Comprised of 2-300W independently controlled transformers.	Includes mounting hardware. Dedicated wire loop for testing primary voltage. Department of Energy certified. Safety listings: cUL 1838, CSA 22.2.
Accessories	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer
Dimensions	21.25" L x 6.75" W x 5.75" D	8.23" L x 3.67" W x 4.59" D

Transformers

Contractor Series



	Contractor Series CS – 150W	Contractor Series CS – 300W
Finish	#304 Stainless Steel	#304 Stainless Steel
Item Number with Wattage	15CS150SS - 150W	15CS300SS - 300W
Input Voltage	120V	120V
Output Multi-Taps	12/13/14/15 Volts	12/13/14/15 Volts
Core and Coil	High-efficiency fully encapsulated toroidal	High-efficiency fully encapsulated toroidal
Door Style	Fully removable hinge-style door with buckle latch	Fully removable hinge-style door with buckle latch
Easy-Connect Terminal Lug Capacity	Up to 10, #12-gauge wires per tap	Up to 10, #12-gauge wires per tap
Secondary Side Protection	Magnetic breaker	Magnetic breaker
Timer/Photocell	Compatible with plug-in timer and photocells	Compatible with plug-in timer and photocells
Cord	6' of usable #18-3 SJTW cord	6' of usable #18-3 SJTW cord
Conduit Knockouts	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet
Notes	Includes mounting hardware. Dedicated wire loop for testing primary voltage. Department of Energy certified. Safety listings: cUL 1838, CSA 22.2.	Includes mounting hardware. Dedicated wire loop for testing primary voltage. Department of Energy certified. Safety listings: cUL 1838, CSA 22.2.
Accessories	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer
Dimensions	13" L x 5.55" W x 5.51" D	13" L x 5.55" W x 5.51" D

	Contractor Series CS – 600W	Contractor Series CS – 900W
Finish	#304 Stainless Steel	#304 Stainless Steel
Item Number with Wattage	15CS600SS - 600W	15CS900SS - 900W
Input Voltage	120V	120V
Output Multi-Taps	12/13/14/15 Volts	12/13/14/15 Volts
Core and Coil	High-efficiency fully encapsulated toroidal	High-efficiency fully encapsulated toroidal
Door Style	Fully removable hinge-style door with buckle latch	Fully removable hinge-style door with buckle latch
Easy-Connect Terminal Lug Capacity	Up to 10, #12-gauge wires per tap	Up to 10, #12-gauge wires per tap
Secondary Side Protection	Magnetic breaker	Magnetic breaker
Timer/Photocell	Compatible with plug-in timer and photocells	Compatible with plug-in timer and photocells
Cord	6' of usable #18-3 SJTW cord	6' of usable #18-3 SJTW cord
Conduit Knockouts	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet	8 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet
Notes	Includes mounting hardware. Dedicated wire loop for testing primary voltage. Department of Energy certified. Safety listings: cUL 1838, CSA 22.2.	Includes mounting hardware. Dedicated wire loop for testing primary voltage. Department of Energy certified. Safety listings: cUL 1838, CSA 22.2.
Accessories	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer
Dimensions	14.3" L x 6.65" W x 6.1" D	15.6" L x 7.8" W x 7.16" D

Transformers

Contractor Series
Plus Series
Manual Series



	Contractor Series CS – 1200W	Plus Series PL – 100W-900W
Finish	#304 Stainless Steel	Painted Steel with AZT finish
Item Number with Wattage	15CS1200SS - 1200W	15PL100AZT - 100W 15PL600AZT - 600W 15PL200AZT - 200W 15PL900AZT - 900W 15PL300AZT - 300W
Input Voltage	120V	120V
Output Multi-Taps	12/13/14/15 Volts. 12V Single Tap with High/Low Switch.	12/13/14/15 Volts
Core and Coil	High-efficiency fully encapsulated toroidal	High-efficiency E.I. core and coil configuration High-efficiency toroid core and coil (600W-900W)
Door Style	Fully removable hinge-style door with buckle latch	Easy magnetic flip-and-stay-open door
Easy-Connect Terminal Lug Capacity	Up to 10, #12-gauge wires per tap	Up to 8, #10-gauge wires or up to 10, #12-gauge wires per tap
Secondary Side Protection	Magnetic breaker	Magnetic breaker
Timer/Photocell	Compatible with plug-in timer and photocells	Compatible with plug-in timer and plug-in photocells
Cord	6' of usable #18-3 SJTW cord	6' of usable #18-3 SJTW cord (100W-300W) 6' of usable #16-3 SJTW cord (600W-900W)
Conduit Knockouts	8 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet
Notes	Includes mounting hardware. Dedicated wire loop for testing primary voltage. Department of Energy certified. Safety listings: cUL 1838, CSA 22.2.	Includes mounting hardware
Accessories	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer
Dimensions	16.85" L x 8.3" W x 8.27" D	19" L x 5.5" W x 5.75" D - 100W-300W 19" L x 6.75" W x 5.75" D - 600W 21" L x 6.75" W x 6" D - 900W

	Plus Series PL – 75W	Manual Series M – 100W-600W
Finish	AZT	AZT
Item Number with Wattage	15PL75AZT - 75W	15M100AZT - 100W 15M300AZT - 300W 15M200AZT - 200W 15M600AZT - 600W
Input Voltage	120V	120V
Output Multi-Taps	15 Volts	12 Volts 12/13/15 Volts
Core and Coil	High-efficiency fully encapsulated toroidal	High-efficiency E.I. core and coil configuration
Door Style	Easy magnetic flip-and-stay-open door	
Easy-Connect Terminal Lug Capacity	Up to 8, #10-gauge wires or up to 10, #12-gauge wires per tap	
Secondary Side Protection	Magnetic breaker	Thermal reset breaker Magnetic breaker
Timer/Photocell	Compatible with plug-in timer and plug-in photocells	
Cord	6' of usable #18-3 SJTW cord	6' of usable #18-3 SJTW cord (100W-200W) 6' of usable #18-3 SJTW cord (300W) 6' of usable #16-3 SJTW cord (600W only)
Conduit Knockouts	4 pre-punched field knockouts sized for .5" or .75" conduit (trade sizes) and one large center 1.75" inlet	
Notes	Includes mounting hardware	
Accessories	15556WH Digital Timer 15557BK Mechanical Timer 15565BK Standard Photocell 15534BK 10' Remote Photocell 15511BK Synchronizer	
Dimensions	16.5" L x 5.5" W x 5.75" D	8" L x 3.25" W x 3" D - 100W 13.5" L x 4.5" W x 4" D - 300W 13.25" L x 3.5" W x 4" D - 200W 14.25" L x 5.5" W x 5" D - 600W

Transformers

Economy Series
In-Ground



	Economy Series E – 60W-120W		In-Ground – 100W-600W
Finish	BK		Black All-Weather Composite
Item Number with Wattage	15E60BK - 60W	15E120BK - 120W	15IGT100 - 100W 15IGT300 - 300W 15IGT600 - 600W
Input Voltage	120V		120V
Output Multi-Taps	12/13/14/15 Volts		12/13/14/15 Volts (100W-600W). Flying lead secondary side output wires.
Core and Coil	High-efficiency E.I. core and coil configuration		High-efficiency toroid core and coil configuration
Door Style	Flip-up polycarbonate see-through door		
Secondary Side Protection	Thermal reset breaker		Magnetic breaker
Timer/Photocell	Integral timer and photocell with on/off presets		For use with remote timers, photocells or other control system
Cord	6' of usable #18-2 SJTW cord		no cord (N/A)
Notes			Color-coded, flying wire, lead multi-taps. 1.25" conduit knockouts.
Accessories			15608AZ Well Concrete Kit
Dimensions	6.75" L x 3.75" W x 3.75" D		13.25" Dia., 9.625" L

ACCESSORIES for LOW-VOLTAGE TRANSFORMERS

Along with a wide variety of transformers, Kichler® offers a full compliment of control accessories. Used separately or in tandem; light may be controlled as desired.

Photocells allow the intensity of daylight to define transformer operation. Timers can be used for more exacting requirements.



15557 BK

Mechanical Transformer Timer

Plug-in timer suitable for outdoor temperatures when enclosed in an outdoor transformer enclosure. For use in all Professional Series, Contractor Series and Plus Series transformers.



15565 BK

Plug-in Transformer Photocell

Plug-in photocell is for use with all Professional Series, Contractor Series and Plus Series transformers.



15556 WH

Digital Transformer Timer

Battery backup included. Straight-forward programming and easy day light savings change over. For use with all Professional Series, Contractor Series and Plus Series transformers.



15511 BK

Synchronizer Device

Synchronize all transformers used in a landscape setting so they turn on and off at the same time. Jumper wire (not included) should be a minimum of 24 gauge.



15534 BK

Plug-in Transformer Remote Photocell

Plug-in photocell with 10' cord is for use with all Professional Series, Contractor Series and Plus Series transformers.

Transformers

Comparison Chart

● = Included
● = Optional

	PROFESSIONAL				CONTRACTOR				PLUS											
	15PR75 SS	15PR100 SS	15PR200 SS	15PR300 SS	15PRD600 SS 2-in-1	15PR600 SS	15PR900 SS	15PR1200 SS	15CS75 SS	15CS150 SS	15CS300 SS	15CS600 SS	15CS900 SS	15CS1200 SS	15PL75 AZT	15PL100 AZT	15PL200 AZT	15PL300 AZT	15PL600 AZT	15PL900 AZT
Wattage (VA)	75	100	200	300	600	600	900	1200	75	150	300	600	900	1200	75	100	200	300	600	900
Automatic Timer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Photoelectric Eye	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
High-Low Switch																				
On-Off-Auto Switch																				
Multi-Tap Connection 12V, 13V, 15V																				
Multi-Tap Connection 12V, 13V, 14V, 15V		●	●	●	●	●	●	●		●	●	●	●	●		●	●	●	●	●
Single-Tap Connection 15V	●														●					
Thermal Cut-Off on Primary Side	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Thermal Reset Breaker on Secondary Side																				
Magnetic Breaker on Secondary Side	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Easy-Connect Terminal Blocks	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●
6', 3-Wire #14-GA SJTW Cord								●												
6', 3-Wire #16-3 SJTW Cord					●	●	●												●	●
6', 3-Wire #18-3 SJTW Cord	●	●	●	●					●	●	●	●	●	●	●	●	●	●		
6', 2-Wire #18-2 SJTW Cord																				
Includes Mounting Hardware	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Textured Architectural Bronze or Powder Coat Finish															●	●	●	●	●	●
#304 Grade Stainless Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
Composite Housing																				
High-Efficiency E.I. Core and Coil Configuration		●	●	●		●										●	●	●	●	
High-Efficiency Toroid Core and Coil Configuration	●				●		●	●	●	●	●	●	●	●	●					●

	MANUAL				ECO		IN-GROUND		
	15M100 AZT	15M200 AZT	15M300 AZT	15M600 AZT	15E60 BK	15E120 BK	15IGT100	15IGT300	15IGT600
Wattage (VA)	100	200	300	600	60	120	100	200	300
Automatic Timer					●	●	●	●	●
Photoelectric Eye					●	●	●	●	●
High-Low Switch					●	●			
On-Off-Auto Switch					●	●			
Multi-Tap Connection 12V, 13V, 15V			●	●					
Multi-Tap Connection 12V, 13V, 14V, 15V							●	●	●
Single-Tap Connection 15V									
Thermal Cut-Off on Primary Side	●	●	●	●	●	●	●	●	●
Thermal Reset Breaker on Secondary Side	●	●			●	●			
Magnetic Breaker on Secondary Side			●	●			●	●	●
Easy-Connect Terminal Blocks		●	●	●					
6', 3-Wire #14-GA SJTW Cord									
6', 3-Wire #16-3 SJTW Cord				●					
6', 3-Wire #18-3 SJTW Cord	●	●	●						
6', 2-Wire #18-2 SJTW Cord					●	●			
Includes Mounting Hardware									
Textured Architectural Bronze or Powder Coat Finish	●	●	●	●					
#304 Grade Stainless Steel									
Composite Housing					●	●	●	●	●
High-Efficiency E.I. Core and Coil Configuration	●	●	●	●	●	●			
High-Efficiency Toroid Core and Coil Configuration							●	●	●

For warranty information, visit Kichler.com/Warranty.

600W, 900W and 1200W Transformer models are manufactured in intervals of 300W (VA) circuits.

National Electric Code and Underwriters Laboratories require that wiring, where concealed or extended through a building wall, must be enclosed in conduit. All transformers are for use with outdoor low-voltage lighting.



All Kichler transformers are listed or certified to ANSI/UL 1838. The listing/certification agency may vary.



12V Retrofit Accent

Retrofit with LED Lamps

When an existing system needs an update or upgrade, Kichler offers a variety of LED or incandescent accent lights that deliver professional results.



Retrofit Accent



“...As we are replacing all of the older lights, this has better quality and an improved lighting affect... Very good build quality, and nice brightness to the LEDs...”

- Anbycat66 | Bernville, PA | 15484CBR



Mini Accent			
Finishes	AZT (shown), BKT, CBR, CO		Additional Finishes
Item Number and Finish	15384 AZT 15384 AZT24 15384 BKT	15384 BKT24 15384 CBR 15384 CO	
Housing	Cast Aluminum, Cast Brass (CBR) or Unfinished Copper (CO) with heat-resistant flat glass lens		
Lamp Base	12V Bi-Pin, high-temperature porcelain socket		
Lamp Options-Power Usage at 12V AC input	Incandescent: 50W(VA) MR16 35W(VA) Max. on 15384CO 20W(VA) Max. Canada	LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake. Copper and brass will naturally patina over time.		
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket 15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems	Lens: 15675 LIN Linear Lens 15676 FRO Frosted Lens 15679 BK Hexcell Louver Shield 15686 BL Blue Lens	
Dimensions			



	MR8 Accent Light	MR11 Accent Light
Finishes	CBR	CBR
Item Number and Finish	15483 CBR	15484 CBR
Housing	Cast Brass	Cast Brass
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	LED only: 2W MR8 (18150-18157) Compares up to 15W Halogen	LED only: 2.5W MR11 (18158-18165) Compares up to 20W Halogen
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors not included.	
Notes	Includes 8" slotted in-ground stake. Cowl allows for in-field beam adjustment by adjusting cowl up or down. Brass will naturally patina over time.	
Accessories	Mounting: 15609 Junction Box Mounting Bracket 15489CBR Gutter Mount 15514CBR 90° Elbow 15515CBR Two Fixture Mount 15516CBR Surface Mount 15645, 15656, 15657, 15658, 15570, 15509, 15510, 15511, 15512, 15513 Stems	Lens: 15632 LIN Linear Lens 15633 FRO Frosted Lens 15634 BK Hexcell Louver Shield 15631 BL Blue Lens
Dimensions		

Retrofit Accent



	Long Cowl Mini Accent	Architectural - Grade Adjustable
Finishes	AZT	AZT
Item Number and Finish	15484 AZT	15397 AZT
Housing	Cast Aluminum with heat-resistant, fully sealed flat glass lens	Machined Aluminum with heat-resistant, fully sealed glass and angled for easy water run-off. Cowl is fully adjustable.
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: 50W(VA) MR16 20W(VA) Max. Canada 35W(VA) MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	Incandescent: 50W(VA) MR16 35W(VA) Max. Canada 35W(VA) MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.	51" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 8" slotted in-ground stake	Includes 8" slotted in-ground stake. Use with the 6" (15645), 12" (15656), 18" (15657) or 24" (15658) mounting stems for dramatic results.
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket 15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems	Lens: 15675 LIN Linear Lens 15676 FRO Frosted Lens 15679 BK Hexcell Louver Shield 15683 BK Louver 15686 BL Blue Lens 15693 BL Blue Lens
Dimensions	<p>Illustrated with 15657 18" mounting stem and 15649 stem coupler (both sold separately).</p>	<p>Illustrated with 15657 18" mounting stem (sold separately).</p>



	Micro Accent MR11	Accent	Additional Finishes
Finishes	AZT	BKT (shown), AZT	
Item Number and Finish	15398 AZT	15309 AZT 15309 AZT 12 15309 BKT	AZT
Housing	Cast Aluminum with heat-resistant, fully sealed glass	Cast Aluminum with heat-resistant, fully sealed, flat glass lens	
Lamp Base	12V Bi-Pin, high-temperature porcelain socket		
Lamp Options-Power Usage at 12V AC input	Incandescent: 35W(VA) MR11 20W(VA) Max. Canada LED: 2.5W MR11 (18158-18165)	Incandescent: 35W(VA) MR16 35W(VA) MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	
Wiring	36" of usable #18-2, SPT-1W leads. Cable connectors supplied.	51" of usable #18-2, SPT-1W leads. Cable connectors supplied.	
Notes	Includes 8" slotted in-ground stake. This is our smallest incandescent 1.875" accent light.	Includes 20-W(VA) MR16 lamp, halogen light source. Includes 8" slotted in-ground stake	
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket 15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems	Lens: 15632 LIN Linear Lens 15633 FRO Frosted Lens 15634 BK Hexcell Louver Shield 15631 BL Blue Lens	
Dimensions			

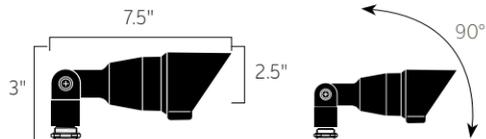
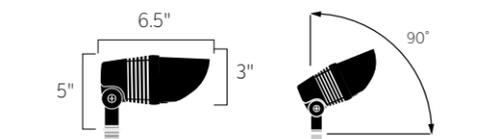
Retrofit Accent



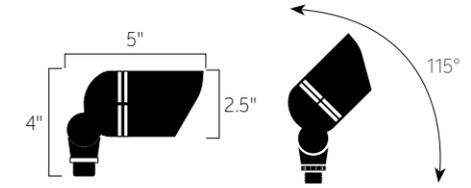
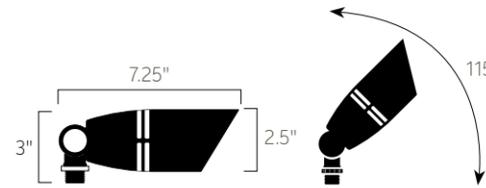
“ Very pretty light. Brushed bronze look. Comes with heavy duty stake for ground. Glass is thick to protect light bulb. Adjustable on top so you can adjust where and how you want to shed the light. ”

- Blarsen | Kalispell, MT | 15485CBR



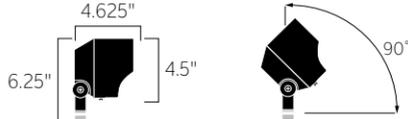
	Accent		Additional Finishes	Composite	
Finishes	BKT (shown), AZT			BK	
Item Number and Finish	15374 AZT 15374 AZT20L 15374 AZT20L24	15374 BKT 15374 BKT20L 15374 BKT20L24	 AZT	15382 BK	
Housing	Cast Aluminum. with heat-resistant, fully sealed flat glass lens.			Components of durable high-heat thermoplastic composite resin. Heat-resistant flat glass lens is fully sealed.	
Lamp Base	12V Bi-Pin, high-temperature porcelain socket			12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: 50W(VA) MR16 20W(VA) Max. Canada	LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen		Incandescent: 35W(VA) MR16	LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	31" of usable #18-2, SPT-1W leads. Cable connectors supplied.			30" of usable #18-2, SPT-1W leads. Cable connectors supplied.	
Notes	Includes 8" slotted in-ground stake			Includes 8" slotted in-ground stake	
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket Lens: 15642 LIN Linear Lens 15643 FRO Frosted Lens 15644 BK Hexcell Louver Shield 15641 BL Blue Lens			Mounting: 15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems Lens: 15674 LIN Linear Lens 15672 FRO Frosted Lens 15673 BL Blue Lens	
Dimensions					

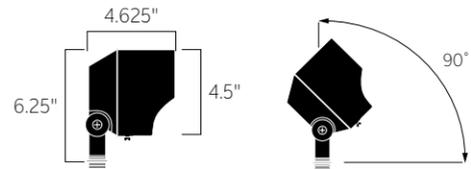
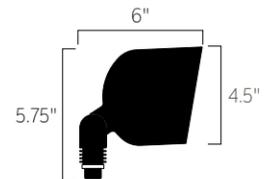


	MR16 Accent Fixed Socket Adjustable Cowl	MR16 Accent Fixed Socket
Finishes	CBR	CBR
Item Number and Finish	15485 CBR	15517 CBR
Housing	Cast Brass (CBR)	Cast Brass (CBR)
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	LED only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	LED only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors not included.	
Notes	Flat Glass; includes 8" slotted in-ground stake. Telescoping cowl allows for in-field beam adjustment. Brass will naturally patina over time.	Convex Glass; includes 8" slotted in-ground stake. Brass will naturally patina over time.
Accessories	Mounting: 15609 Junction Box Mounting Bracket 15489CBR Gutter Mount 15514CBR 90° Elbow 15515CBR Two Fixture Mount 15516CBR Surface Mount 15645, 15656, 15657, 15658, 15570, 15509, 15510, 15511, 15512, 15513 Stems Lens: 15675 LIN Linear Lens 15676 FRO Frosted Lens 15679 BK Hexcell Louver Shield 15686 BL Blue Lens	Mounting: 15609 Junction Box Mounting Bracket 15489CBR Gutter Mount 15514CBR 90° Elbow 15515CBR Two Fixture Mount 15516CBR Surface Mount 15645, 15656, 15657, 15658, 15570, 15509, 15510, 15511, 15512, 15513 Stems
Dimensions		

Retrofit Accent



	Solid Brass Accent		MR16		
Finishes	CBR		BBR (shown), AZT, BKT		Additional Finishes
Item Number and Finish	15475 CBR		15381 AZT 15381 AZT6	15381 BBR 15381 BKT	 AZT  BKT
Housing	Cast Brass		Cast Aluminum or Cast Brass (BBR) with heat resistant, fully sealed, clear, flat glass lens		
Lamp Base	12V Bi-Pin, high-temperature porcelain socket		12V Bi-Pin, high-temperature porcelain socket		
Lamp Options-Power Usage at 12V AC input	Incandescent: 35W(VA) MR16 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen		Incandescent: 75W(VA) MR16 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen		
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.		35" of usable #18-2, SPT-1W leads. Cable connectors supplied.		
Notes	Includes 8" slotted in-ground stake and cowl with convex lens. Not recommended for down light applications. Brass will naturally patina over time.		Includes 8" slotted in-ground stake. Brass will naturally patina over time.		
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket Lens: 15675 LIN Linear Lens 15676 FRO Frosted Lens 15679 BK Hexcell Louver Shield 15686 BL Blue Lens		Mounting: 15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems LK87CBR Lock Nut Lens: 15692 LIN Linear Lens 15691 FRO Frosted Lens 15680 BK Hexcell Louver Shield 15687 BL Blue Lens		
Dimensions					

	Bi-Pin	PAR36 Uplight
Finishes	AZT	CBR
Item Number and Finish	15383 AZT	15487 CBR
Housing	Cast Aluminum with heat-resistant, fully sealed, clear, flat glass lens	Cast Brass
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	12V PAR36 socket terminal
Lamp Options-Power Usage at 12V AC input	Incandescent: 75W(VA) MR16 LED: 1.2W T3/G4 Bi-Pin (18200, 18201) Compares up to 10W Halogen 2W T3/G4 Bi-Pin (18206, 18207) Compares up to 20W Halogen	LED only: 4W PAR36 (18166-18173) Compares up to 20W Halogen 6W PAR36 (18174-18181) Compares up to 35W Halogen 10W PAR36 (18182-18189) Compares up to 50W Halogen 11W PAR36 (18021-18028) Compares up to 50W Halogen 14W PAR36 (18190-18197) Compares up to 75W Halogen
Wiring	38" of usable #18-2, SPT-1W leads. Cable connectors supplied.	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 8" slotted in-ground stake and 50W(VA) Q50T4 (17015), Halogen light source.	Includes 8" slotted in-ground stake. Brass will naturally patina over time.
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket	Mounting: 15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems
Dimensions		

Retrofit Accent



	PAR36	Adjustable Wide Flood
Finishes	AZT	AZT
Item Number and Finish	15390 AZT	15395 AZT
Housing	Cast Aluminum	Cast Aluminum. Heat-resistant flat glass is fully sealed.
Lamp Base	12V PAR36 lamp	12V Bi-Pin, high-temperature porcelain socket
Lamp Options-Power Usage at 12V AC input	Incandescent: 50W(VA) PAR36 LED: 4W PAR36 (18166-18173) Compares up to 20W Halogen 6W PAR36 (18174-18181) Compares up to 35W Halogen 10W PAR36 (18182-18189) Compares up to 50W Halogen 11W PAR36 (18021-18029) Compares up to 50W Halogen 14W PAR36 (18190-18197) Compares up to 75W Halogen	Incandescent: 75W(VA) LED: 1.2W T3/G4 Bi-Pin (18200, 18201) Compares up to 10W Halogen
Wiring	42" of usable #18-2, SPT-1W leads. Cable connectors supplied. Supply wire lugs attach directly to PAR36 light bulb screw terminals. Light bulb secured in place with retaining ring.	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 8" slotted in-ground stake	Includes 8" slotted in-ground stake and 50W(VA) Q50T4 (17015), Halogen light source. U.S. Patent D417,519.
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket	15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems
Dimensions		



	Miniature Hooded Adjustable Wide Flood	Hooded Adjustable Wide Flood
Finishes	AZT	AZT
Item Number and Finish	15396 AZT	15385 AZT
Housing	Cast Aluminum. Heat-resistant flat glass lens is fully sealed.	Cast Aluminum. Heat-resistant flat glass lens is fully sealed.
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: 35W(VA) LED: 1.2W T3/G4 Bi-Pin (18200, 18201) Compares up to 10W Halogen	Incandescent: 75W(VA) LED: 1.2W T3/G4 Bi-Pin (18200, 18201) Compares up to 10W Halogen
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 8" slotted in-ground stake and 35W(VA) QT3 (17013), Halogen light source.	Includes 8" slotted in-ground stake and 50W(VA) QT4 (17015), Halogen light source.
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket 15609 Junction Box Mounting Bracket	15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems
Dimensions		

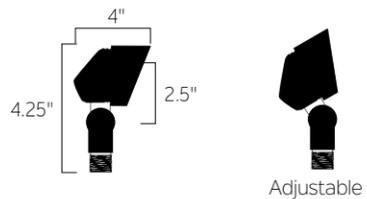
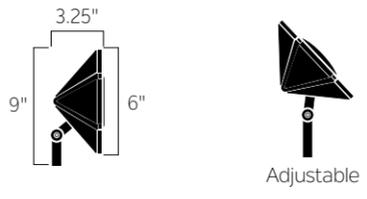
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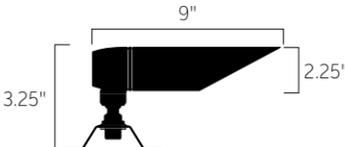
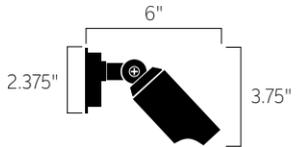


“Quality product, well made, recommend for use washing wall with light”

- Navy chief | Alabama | 15476CBR



	Solid Brass Mini Wall Wash		Adjustable Wall Wash	
Finishes	CBR		BKT (shown), AZT	Additional Finishes
Item Number and Finish	15476 CBR		15361 AZT 15361 BKT	
Housing	Cast Brass		Cast Aluminum with clear polycarbonate shield	
Lamp Base	12V T5 Wedge base socket		12V S8 Wedge base socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: 16W(VA) Type 921	LED: 2W T5 Wedge (18120, 18121) Compares up to 16W Xenon 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen	Incandescent: 24.4W(VA)	LED: 2W S8 Wedge (18122, 18123) Compares up to 18.5W Krypton 2W S8 Wedge (18203, 18203) Compares up to 20W Krypton
Wiring	53" of usable #18-2, SPT-1W leads. Cable connectors are not included.		42" of usable #18-2, SPT-1W leads. Cable connectors supplied.	
Notes	Includes 8" slotted in-ground stake. Optional lens accessories supplied: linear and clear glass options. Brass will naturally patina over time.		Includes 8" slotted in-ground stake and 24.4 W(VA) 3156K (15598 CLR), Krypton light source. LED option of fixture 15861 on page 33.	
Accessories	Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket LK87CBR Lock Nut		15609 Junction Box Mounting Bracket 15647 90° Elbow 15649 Stem Coupler 15645, 15656, 15657, 15658, 15570 Stems	
Dimensions				

	MR16 Downlight	MR16 Mini Downlight
Finishes	CBR	AZT
Item Number and Finish	15486 CBR	15087 AZT
Housing	Cast Brass	Cast Aluminum with stainless steel screen
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	LED Only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	Incandescent: 50W(VA) MR16 20W(VA) Max. Canada 35W(VA) MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 8" slotted in-ground stake and Surface Mounting Bracket 15516CBR . For downlight use only.	Includes Surface Mounting Bracket 15607 . For downlight use only.
Accessories	Mounting: 15489CBR Gutter Mount 15609 Junction Box Mounting Bracket	Mounting: 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket
Dimensions		

Retrofit Accent



	MR16 Mini Downlight	Long Cowl Mini Downlight
Finishes	WHT	AZT
Item Number and Finish	15093 WHT	15494 AZT
Housing	Cast Aluminum with stainless steel screen	Cast Aluminum with heat-resistant, fully sealed, flat glass lens
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: 50W(VA) MR16 20W(VA) Max. Canada 35W(VA) MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 35W Halogen	Incandescent: 50W(VA) MR16 20W(VA) Max. Canada 35W(VA) MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 35W Halogen
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes White Surface Mounting Bracket 15607 and hardware. For downlight use only.	Includes Junction Box Mounting Bracket 15609
Accessories		Mounting: 15601 Surface Mounting Flange 15607 Surface Mounting Bracket Lens: 15675 LIN Linear Lens 15676 FRO Frosted Lens 15679 BK Hexcell Louver Shield 15686 BL Blue Lens
Dimensions		

12V Retrofit Accent



	Solid Hanging Light	Twinkler Hanging Light
Finishes	CBR	CBR
Item Number and Finish	15500 CBR	15501 CBR
Housing	Cast Brass	Cast Brass
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	LED only: 2W MR8 (18150-18157) Compares up to 15W Halogen 2.5W MR11 (18158-18165) Compares up to 20W Halogen 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen 1.2W Micro Ceramic (18200, 18201) Compares up to 10W Halogen 2W T3/G4 Bi-Pin (18206, 18207) Compares up to 20W Halogen	LED only: 2W MR8 (18150-18157) Compares up to 15W Halogen 2.5W MR11 (18158-18165) Compares up to 20W Halogen 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen 1.2W Micro Ceramic (18200, 18201) Compares up to 10W Halogen 2W T3/G4 Bi-Pin (18206, 18207) Compares up to 20W Halogen
Wiring	36" of usable #18-2, SPT-1W leads. Cable connectors are not included.	36" of usable #18-2, SPT-1W leads. Cable connectors are not included.
Notes	Includes mounting bracket. 72" brass chain with removable links. Brass will naturally patina over time.	Includes mounting bracket. 72" brass chain with removable links. Brass will naturally patina over time.
Dimensions		



12V Retrofit In-Ground

Retrofit with LED Lamps

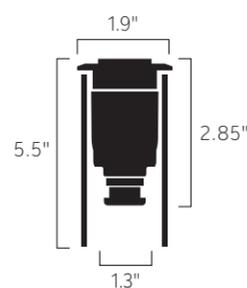
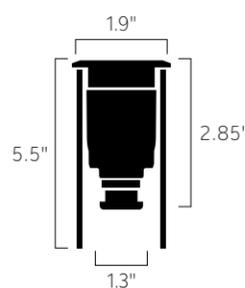
A variety of solutions and sizes assure easy retrofit installation and long-term durability.



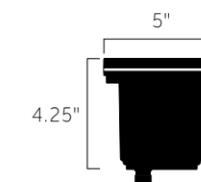
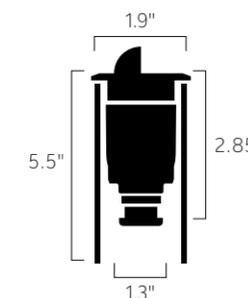
Retrofit In-Ground



	MR8 Recessed Basic Trim	MR8 Recessed Louvered
Finishes	CBR	CBR
Item Number and Finish	15490 CBR	15492 CBR
Housing	Cast Brass with tempered glass lens	Cast Brass with tempered glass lens
Lamp Base	12V Bi-Pin, high-temperature porcelain with removable spring-loaded socket	
Lamp Options-Power Usage at 12V AC input	LED only: 2W MR8 (18150-18157) Compares to 15W Halogen	LED only: 2W MR8 (18150-18157) Compares to 15W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	
Notes	Includes 5.5" plastic sleeve. Works with 1.25" Schedule 40 PVC. 1.25" core drill option without sleeve. Walk-over and drive-over rated. Brass will naturally patina over time.	



	MR8 Recessed with Cowl	Brass Trim In-Ground
Finishes	CBR	CBR
Item Number and Finish	15491 CBR	15495 CBR
Housing	Cast Brass with tempered glass lens	Cast Brass with tempered glass lens and composite housing
Lamp Base	12V Bi-Pin, high-temperature porcelain with removable spring loaded socket	12V Bi-Pin, high-temperature porcelain socket. Articulating socket to aim light source.
Lamp Options-Power Usage at 12V AC input	LED only: 2W MR8 (18150-18157) Compares to 15W Halogen	LED only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	
Notes	Includes 5.5" plastic sleeve. Works with 1.25" Schedule 40 PVC. 1.25" core drill option without sleeve. Walk-over and drive-over rated. Brass will naturally patina over time.	Brass will naturally patina over time



Retrofit In-Ground



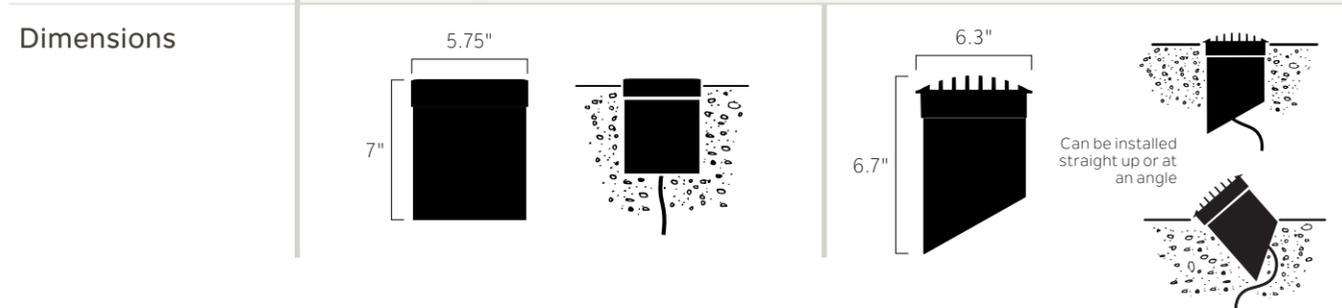
	Brass Beacon In-Ground	Brass Rockguard In-Ground
Finishes	CBR	CBR
Item Number and Finish	15498 CBR	15497 CBR
Housing	Cast Brass with tempered glass lens. Composite bottom housing.	Cast Brass with tempered glass lens. Composite bottom housing.
Lamp Base	12V Bi-Pin, high-temperature porcelain socket. Articulating socket to aim light source.	
Lamp Options-Power Usage at 12V AC input	LED only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	LED only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	
Notes	5-Way directional top. Brass will naturally patina over time.	Includes composite installation sleeve. Brass will naturally patina over time.
Dimensions		

	Brass Cowl In-Ground	Brass Side Throw In-Ground
Finishes	CBR	CBR
Item Number and Finish	15496 CBR	15499 CBR
Housing	Cast Brass with tempered glass lens. Composite bottom housing.	Cast Brass with tempered glass lens. Composite bottom housing.
Lamp Base	12V Bi-Pin, high-temperature porcelain socket. Articulating socket to aim light source.	
Lamp Options-Power Usage at 12V AC input	LED only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	LED only: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	
Notes	Includes composite installation sleeve. Brass will naturally patina over time.	
Dimensions		

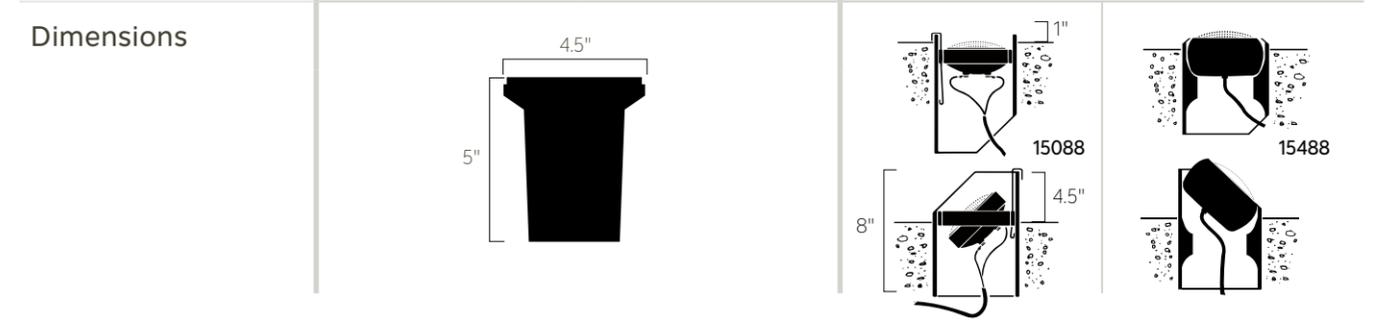
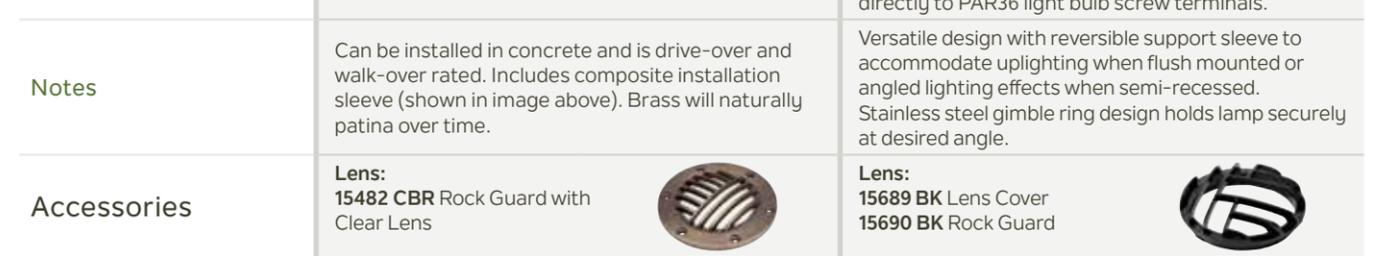
Retrofit In-Ground



	PAR36 Well Brass Trim	PAR36 Well Rock Guard
Finishes	CBR	CBR
Item Number and Finish	15507 CBR	15508 CBR
Housing	Cast Brass with tempered glass lens	Cast Brass with tempered glass lens
Lamp Base	12V PAR36 screw terminal	
Lamp Options-Power Usage at 12V AC input	LED only: 4W PAR36 (18166-18173) Compares up to 20W Halogen 6W PAR36 (18174-18181) Compares up to 35W Halogen 10W PAR36 (18182-18189) Compares up to 50W Halogen 11W PAR36 (18021-18028) Compares up to 50W Halogen 14W PAR36 (18190-18197) Compares up to 75W Halogen	LED only: 4W PAR36 (18166-18173) Compares up to 20W Halogen 6W PAR36 (18174-18181) Compares up to 35W Halogen 10W PAR36 (18182-18189) Compares up to 50W Halogen 11W PAR36 (18021-18028) Compares up to 50W Halogen 14W PAR36 (18190-18197) Compares up to 75W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	
Notes	Includes composite installation sleeve. Stainless Steel lamp holder with 25-Degree articulation. Brass will naturally patina over time.	

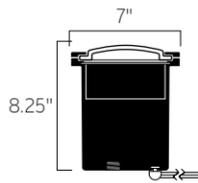
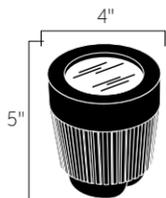


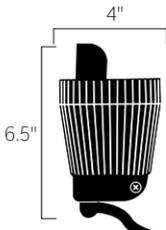
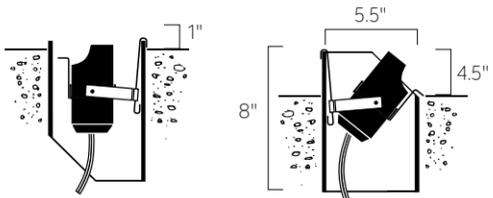
	Solid Brass In-Ground	PAR36 Well
Finishes	CBR	BK
Item Number and Finish	15481 CBR	15088 BK 15088 BK 12 - bulk packed in 12 (Yoke Held) 15488 BK 12 - bulk packed in 12 (Rubber Boot)
Housing	Cast Brass with heat-resistant frosted lens	Stainless steel gimble ring with silicone rubber lamp support clips. Heavy-duty polycarbonate ground support sleeve.
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	12V PAR36 screw terminal
Lamp Options-Power Usage at 12V AC input	LED only: 4W PAR36 (18126-18133) Compares up to 20W Halogen 5W PAR36 (18134-18141) Compares up to 35W Halogen 7W PAR36 (18142-18149) Compares up to 50W Halogen	LED only: 4W PAR36 (18166-18173) Compares up to 20W Halogen 6W PAR36 (18174-18181) Compares up to 35W Halogen 10W PAR36 (18182-18189) Compares up to 50W Halogen 11W PAR36 (18021-18028) Compares up to 50W Halogen 14W PAR36 (18190-18197) Compares up to 75W Halogen
Wiring	34" of usable #18-2, SPT-1W leads. Cable connectors are not included.	42" of usable #18-2, SPT-1W leads. Cable connectors supplied. Supply wire with lugs attach directly to PAR36 light bulb screw terminals.
Notes	Can be installed in concrete and is drive-over and walk-over rated. Includes composite installation sleeve (shown in image above). Brass will naturally patina over time.	Versatile design with reversible support sleeve to accommodate uplighting when flush mounted or angled lighting effects when semi-recessed. Stainless steel gimble ring design holds lamp securely at desired angle.



Retrofit In-Ground



	Enclosed PAR36 In-Ground	MR16 Mini In-Ground
Finishes	AZ	BK
Item Number and Finish	15194 AZ	15190 BK
Housing	Durable, high-temperature polymeric housing material. Glass lens for watertight outdoor in-ground use.	Durable, high heat thermo-plastic composite resin. Heat-resistant convex shaped glass lens. Fully sealed for watertight outdoor usage.
Lamp Base	12V PAR36 screw terminal	12V Bi-Pin, high-temperature porcelain socket
Lamp Options-Power Usage at 12V AC input	Incandescent: 50W(VA) Max. PAR36 LED: 4W PAR36 (18166-18173) Compares up to 20W Halogen 6W PAR36 (18174-18181) Compares up to 35W Halogen 10W PAR36 (18182-18189) Compares up to 50W Halogen 11W PAR36 (18021-18028) Compares up to 50W Halogen 14W PAR36 (18190-18197) Compares up to 75W Halogen	Incandescent: VA Max: 50W(VA) 50W(VA) MR16 35W(VA) Max. MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	34" of usable #18-2, SPT-1W leads. Cable connectors supplied. Supply wire with lugs attach directly to PAR36 lamp screw terminals.	36" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Sealed well light creates unique lighting effects and reduces maintenance with Rock Guard accessory. For use with LED PAR36, must flip orientation of lamp holder spacers.	Smaller version of our popular standard well light to shed focused upward illumination on special features in the landscape. Recommended for salt-air environments. U.S. Patent No. D437,652.
Accessories	Lens: 15694 AZ Rock Guard 	
Dimensions		

	MR16 Mini In-Ground with Cowl	MR16 Well
Finishes	BK	BKT
Item Number and Finish	15192 BK	15092 BKT
Housing	Components of durable high heat thermo-plastic composite resin. Glare shield molded into lid. Light bulb shielded by a heat-resistant convex shaped glass lens for better debris run-off. Fully sealed for watertight outdoor usage.	Aluminum housing with heat-resistant flat glass lens is fully sealed. Heavy-duty polypropylene sleeve provides in-ground fixture support.
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: VA Max: 50W(VA) 50W(VA) MR16 10W(VA) Max. Canada 35W(VA) Max. MR11 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen	Incandescent: VA Max: 50W(VA) 50W(VA) MR16 LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	36" of usable #18-2, SPT-1W leads. Cable connectors supplied.	36" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Same as 15190 with added glare shield for optimal viewing comfort. Recommended for salt-air environments.	
Accessories		Lens: 15675 LIN Linear Lens 15676 FRO Frosted Lens 15679 BK Hexcell Louver Shield 15686 BL Blue Lens
Dimensions		

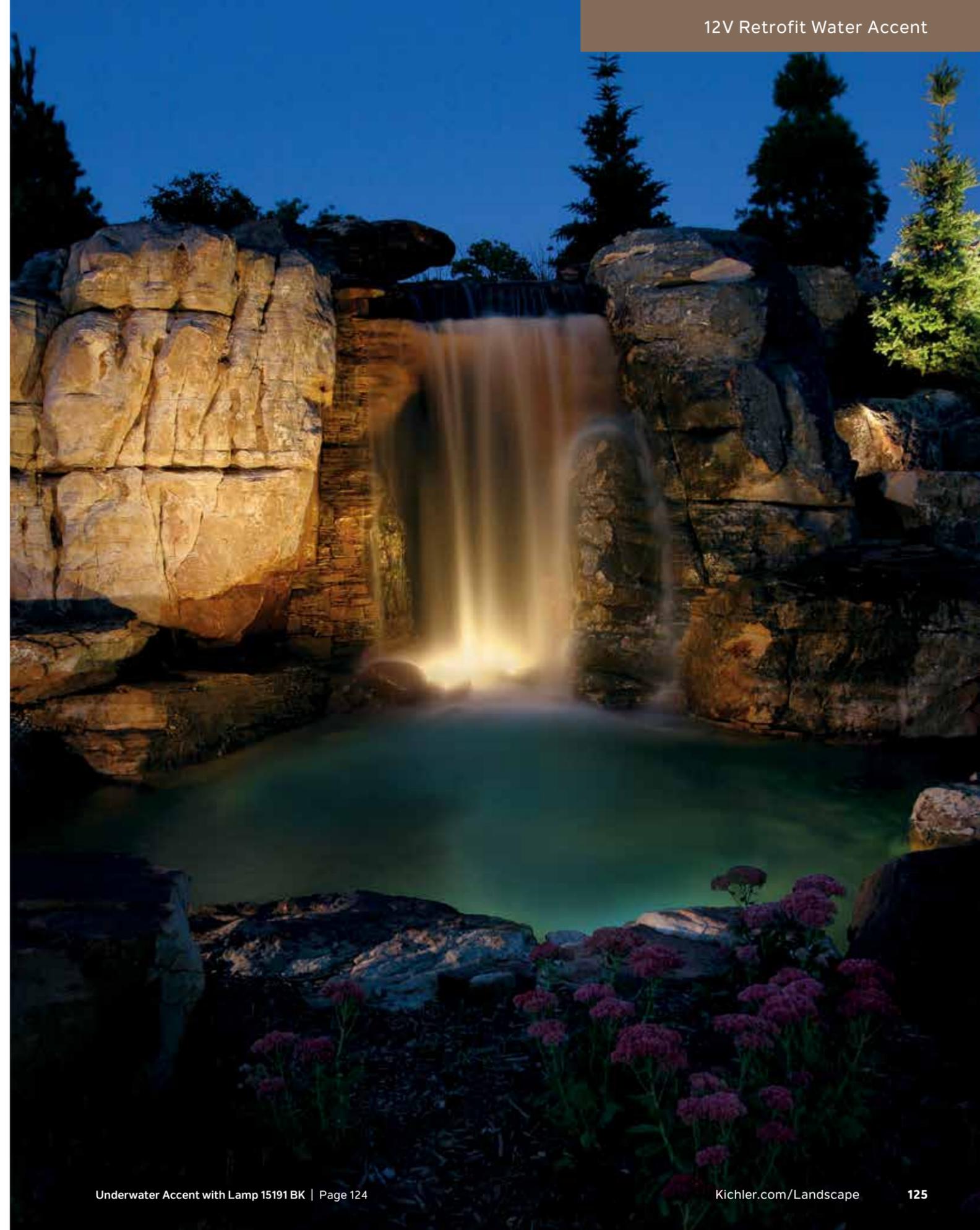
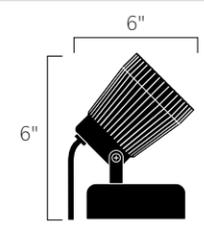
Retrofit Water Accent



Underwater

Finishes	BK	
Item Number and Finish	15191 BK	
Housing	Components of durable high-heat, thermo-plastic composite resin. Heat-resistant, fully sealed, flat glass lens. Weighted base included.	
Lamp Base	12V Bi-Pin, high temperature porcelain socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: 35W(VA) Max. MR11 50W(VA) MR16	LED: 4W MR16 (18126-18133) Compares up to 20W Halogen 5W MR16 (18134-18141) Compares up to 35W Halogen 7W MR16 (18142-18149) Compares up to 50W Halogen
Wiring	25" of usable #18-2, STW leads	
Notes	NOT for pool and spa use	

Dimensions

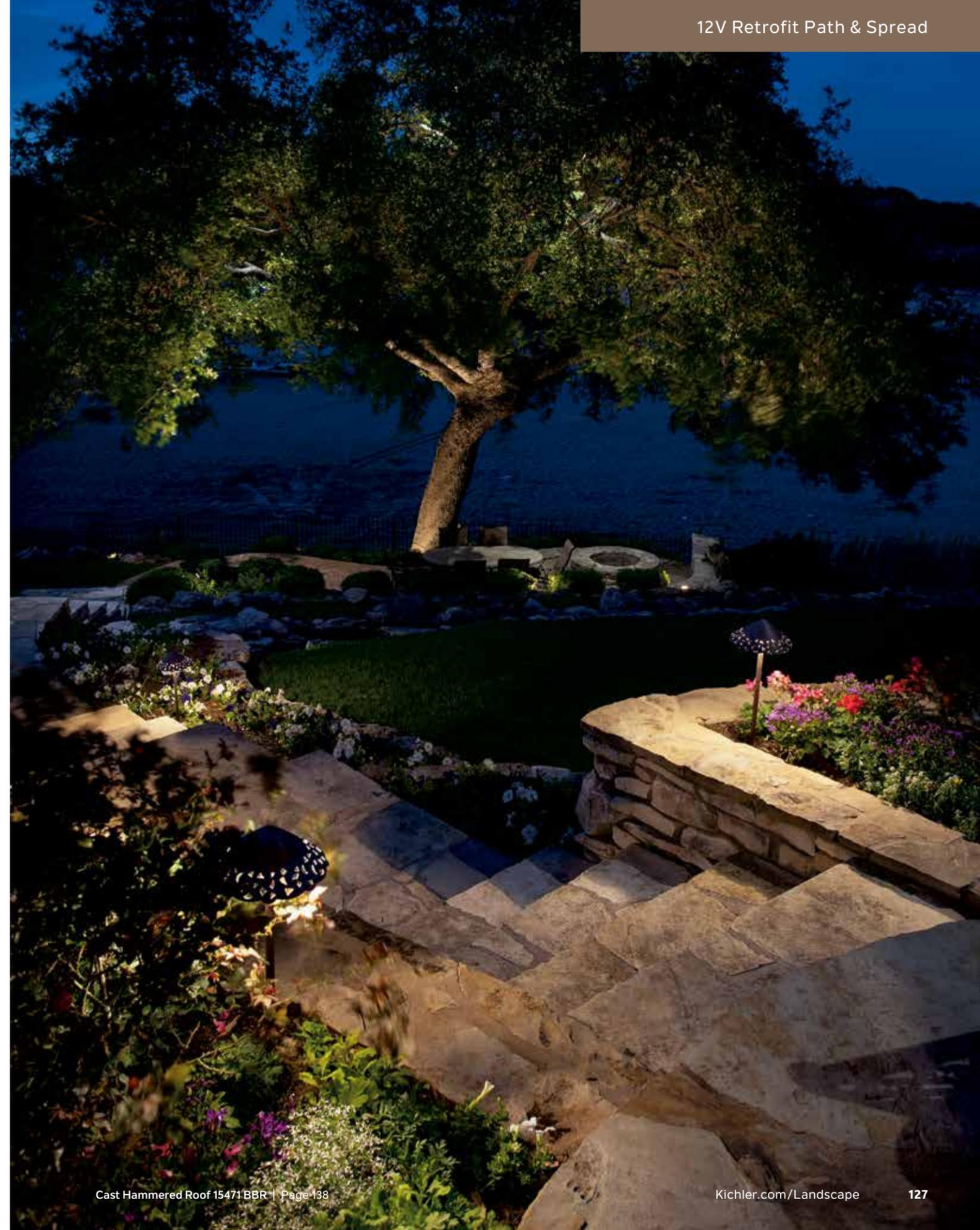




12V Retrofit Path & Spread

Retrofit with LED Lamps

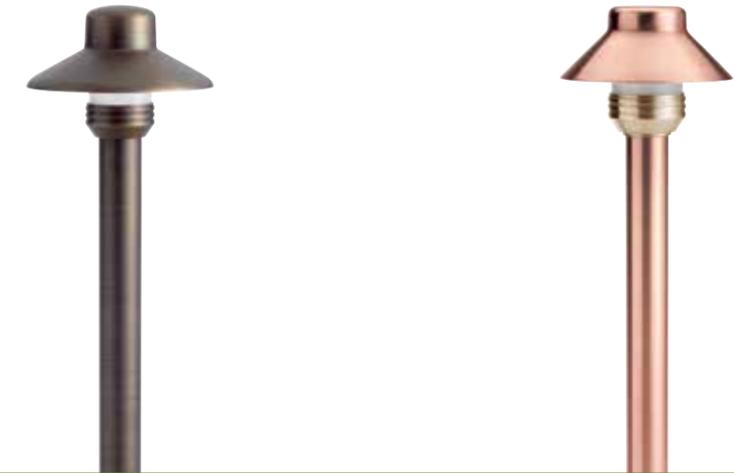
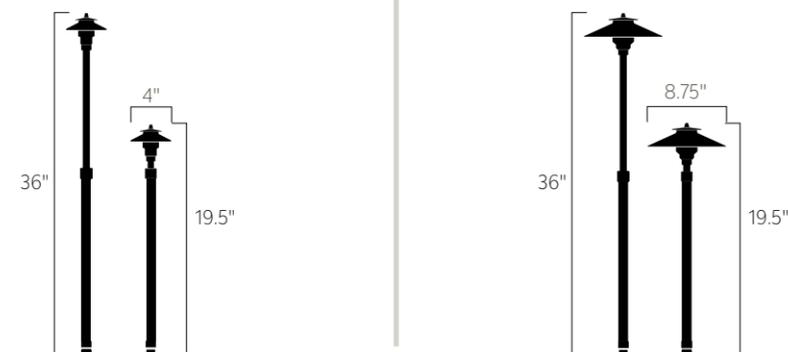
As landscape needs change, Kichler's extensive selection of retrofit styles and finishes has you covered, making it easy to update a walkway or light a new garden bed.



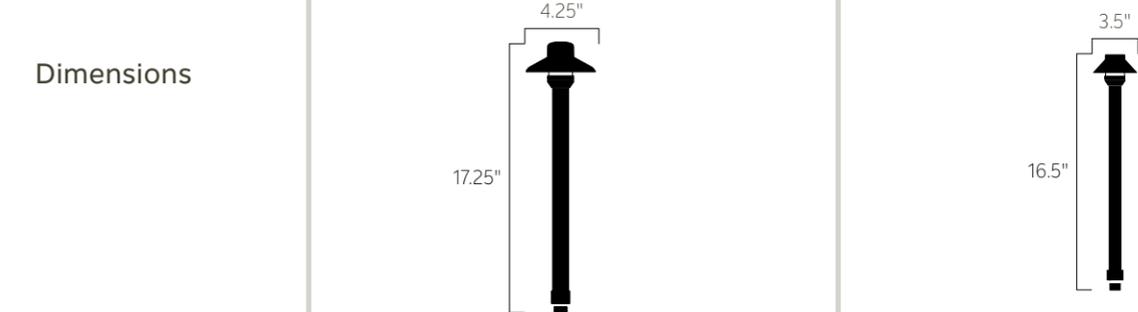
Retrofit Path & Spread



	Adjustable Height Small	Adjustable Height Large
Finishes	CBR	CBR
Item Number and Finish	15502 CBR	15503 CBR
Housing	Cast Brass	Cast Brass
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	12V Bi-Pin, high-temperature porcelain socket
Lamp Options-Power Usage at 12V AC input	LED only: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen	LED only: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	48" of usable #18-2, SPT-1W leads. Cable connectors not included.
Notes	Adjustable stem up to 36". Includes 8" in-ground slotted stake. Lamp sold separately. Brass will naturally patina over time.	Adjustable stem up to 36". Includes 8" in-ground stake. Lamp sold separately. Brass will naturally patina over time.
Accessories	15493 CBR 3" round mounting base	



	Small Hat Brass	Small Hat Copper
Finishes	CBR	CO
Item Number and Finish	15506 CBR	15504 CO
Housing	Cast Brass	Copper with brushed finish
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	12V Bi-Pin, high-temperature porcelain socket
Lamp Options-Power Usage at 12V AC input	LED only: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen	LED only: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	48" of usable #18-2, SPT-1W leads. Cable connectors not included.
Notes	Includes 8" in-ground stake. Lamp sold separately. Brass will naturally patina over time.	Includes 8" in-ground stake. Lamp sold separately. Copper will naturally patina over time.
Accessories	15493 CBR 3" round mounting base	



Retrofit Path & Spread

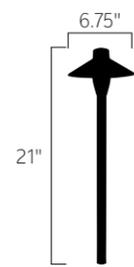
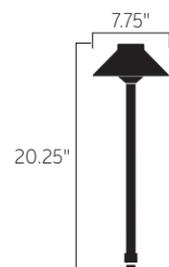


“ Solid fixture with a great display. Immediate response from customers how much light it gives off. ”

- stagreen | Orlando, FL | 15478CBR



	Medium Hat Copper	Solid Brass Traditional
Finishes	CO	CBR
Item Number and Finish	15505 CO	15478 CBR
Housing	Copper with brushed finish	Cast Brass
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	12V Bi-Pin, high-temperature porcelain socket
Lamp Options-Power Usage at 12V AC input	LED only: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen	Incandescent: VA MAX: 20W(VA) T3 LED: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen
Wiring	48" of usable #18-2, SPT-1W leads. Cable connectors not included.	30" of usable #18-2, SPT-1W leads. Cable connectors not included.
Notes	Includes 8" in-ground stake. Lamp sold separately. Copper will naturally patina over time.	Includes 8" in-ground stake. Lamp sold separately. Brass will naturally patina over time.
Accessories	15493 CBR 3" round mounting base	

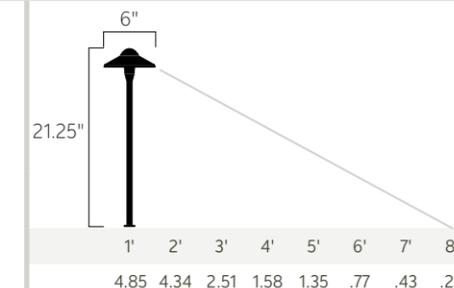
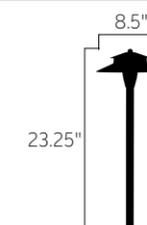


Dimensions



	Solid Brass Missionary	6" Dome	Additional Finishes
Finishes	CBR	CBR (shown), AZT, BKT	
Item Number and Finish	15480 CBR	15470 AZT 15470 BKT	15470 CBR
Housing	Cast Brass	Cast Aluminum or Cast Brass (CBR)	 AZT
Lamp Base	12V Bi-Pin, high-temperature porcelain socket	12V T5 Wedge base socket	 BKT
Lamp Options-Power Usage at 12V AC input	Incandescent: VA MAX: 20W(VA) T3 LED: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen	Incandescent: 11.6W(VA) 912X (17023) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen	

Wiring	30" of usable #18-2, SPT-1W leads. Cable connectors not included.	24" of usable #18-2, SPT-1W leads. Cable connectors included with AZT and BKT. Cable Connectors not included with CBR	Coordinating Products
Notes	Includes 8" in-ground stake. Brass will naturally patina over time.	Includes 16.25W(VA) 921X (17025) Xenon lamp, 8" in-ground slotted stake and 18" stem. LED version of fixture 15870 on page 51. Brass will naturally patina over time.	 Path Lights 15310 & 15410, see page 132.
Accessories	15493 CBR 3" round mounting base	15601 Surface Mounting Flange 15607 Surface Mounting Bracket	



Dimensions

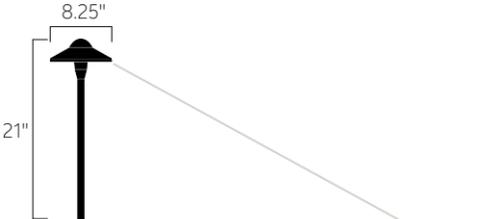
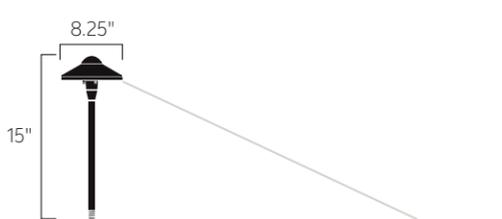
Photometrics*

Distance from Light
Footcandles

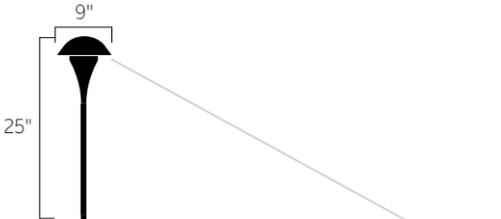
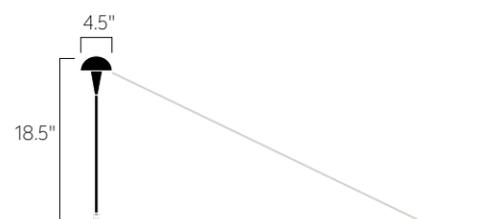
*Values stated for supplied lamp with fixture.

Retrofit Path & Spread



	8" Dome		8" Dome Short Stem																																					
Finishes	BKT (shown), AZT		Additional Finishes	AZT																																				
Item Number and Finish	15310 AZT 15310 BKT	15310 AZT6 (pack of 6)		15410 AZT																																				
Housing	Cast Aluminum			Cast Aluminum																																				
Lamp Base	12V T5 Wedge base socket			12V T5 Wedge base socket																																				
Lamp Options-Power Usage at 12V AC input	Incandescent: 11.6W(VA) 912X (17023) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen		Incandescent: 11.6W(VA) 912X (17023) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)																																				
Wiring	24" of usable #18-2, SPT-1W leads. Cable connectors supplied.		Coordinating Products	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																				
Notes	Includes 16.25W(VA) 921X (17025) Xenon lamp and 8" in-ground stake. LED version of fixture 15810 on page 52.			Includes 16.25W(VA) 921X (17025) Xenon lamp and 8" slotted in-ground stake. LED version of fixture 15811 on page 52.																																				
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		Path Lights 15410 & 15470, see pages 131, 132	Path Lights 15310 & 15470, see pages 131, 132																																				
Dimensions																																								
Photometrics*	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>8</td><td>4.1</td><td>1.6</td><td>.5</td><td>.4</td><td>.1</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	8	4.1	1.6	.5	.4	.1	-	-	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>9.6</td><td>4</td><td>1.1</td><td>.03</td><td>.1</td><td>-</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	9.6	4	1.1	.03	.1	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	8	4.1	1.6	.5	.4	.1	-	-																																
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	9.6	4	1.1	.03	.1	-	-	-																																



	Large Eclipse™		Eclipse™																																					
Finishes	BKT (shown), TZT		Additional Finishes	AZT (shown), BKT, TZT																																				
Item Number and Finish	15336 BKT 15336 TZT		15323 AZT 15323 BKT	15323 TZT																																				
Housing	Cast Aluminum with clear glass		Cast Aluminum																																					
Lamp Base	12V S8 Wedge base socket		12V S8 Wedge base socket																																					
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen		Incandescent: 18.5W(VA) 3155K (15599 CLR)																																				
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.			34" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																				
Notes	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp.		Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp, 8" in-ground slotted stake and 18" stem.																																					
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																							
Dimensions																																								
Photometrics*	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>8.7</td><td>3.3</td><td>1.1</td><td>.4</td><td>.1</td><td>-</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	8.7	3.3	1.1	.4	.1	-	-	-	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>14.7</td><td>4.8</td><td>1.8</td><td>1</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	14.7	4.8	1.8	1	-	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	8.7	3.3	1.1	.4	.1	-	-	-																																
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	14.7	4.8	1.8	1	-	-	-	-																																

Retrofit Path & Spread



	One Tier		Three Tier																																					
Finishes	AZT		BKT (shown), AZT																																					
Item Number and Finish	15011 AZT		15005 AZT 15005 BKT																																					
Housing	Cast Aluminum with molded ribbed diffuser of clear UV stabilized, high-impact resistant polycarbonate. Mounting stems and bollard kits not included.		Cast Aluminum with molded ribbed diffuser of clear UV stabilized, high-impact resistant polycarbonate. Mounting stems and bollard kits not included.																																					
Lamp Base	12V S8 Wedge base socket		12V S8 Wedge base socket																																					
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen																																				
Wiring	52" of usable #18-2, SPT-1W leads. Cable connectors supplied.	Coordinating Products	52" of usable #18-2, SPT-1W leads. Cable connectors supplied.	Coordinating Products																																				
Notes	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp. Stem mount not included. Available in stem mount, deck mount or as a bollard. Mounting stem and bollard kit sold separately. Photometrics given below with 18" stem.		Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp. Stem mount not included. Available in stem mount, deck mount or as a bollard. Mounting stem and bollard kit sold separately. Photometrics given below with 18" stem.																																					
Accessories	15656, 15657, 15658 or 15570 Stems 15575, 15576 or 15578 Stakes 15665, 15666 or 15667 Bollard 15671 Bollard Template Kit		15601 Surface Mounting Flange 15602 Flange Mounting Nipple 15607 Surface Mounting Bracket																																					
Dimensions																																								
Photometrics*	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>5.3</td><td>1.8</td><td>.9</td><td>.68</td><td>.13</td><td>-</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	5.3	1.8	.9	.68	.13	-	-	-	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>1.8</td><td>.73</td><td>.4</td><td>.27</td><td>.3</td><td>-</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	1.8	.73	.4	.27	.3	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	5.3	1.8	.9	.68	.13	-	-	-																																
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	1.8	.73	.4	.27	.3	-	-	-																																



	Galaxy	Adjustable Copper																																				
Finishes	AZT	CO																																				
Item Number and Finish	15318 AZT	15350 CO																																				
Housing	Aluminum	Copper																																				
Lamp Base	12V S8 Wedge base socket																																					
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen																																				
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																					
Notes	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake.																																					
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																					
Dimensions																																						
Photometrics*	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>2.6</td><td>3.2</td><td>1.2</td><td>.5</td><td>.2</td><td>-</td><td>-</td><td>-</td></tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	2.6	3.2	1.2	.5	.2	-	-	-	<table border="1"> <tr><th>Distance from Light</th><td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td></tr> <tr><th>Footcandles</th><td>6.3</td><td>2.7</td><td>2</td><td>.9</td><td>.4</td><td>.1</td><td>-</td><td>-</td></tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	6.3	2.7	2	.9	.4	.1	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	2.6	3.2	1.2	.5	.2	-	-	-																														
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	6.3	2.7	2	.9	.4	.1	-	-																														

Retrofit Path & Spread

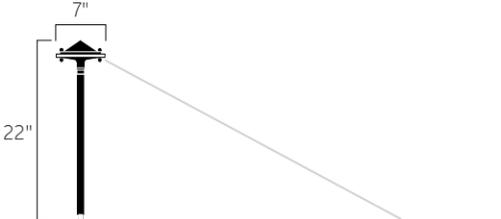
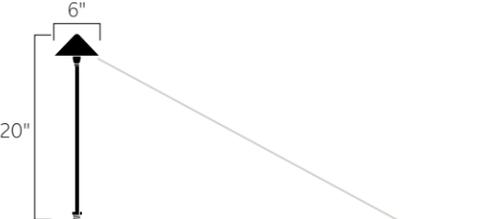


	Decorative Hammered Roof		Cast Hammered Roof																																					
Finishes	TZT (shown), CO, OB		BBR (shown), TZT																																					
Item Number and Finish	15443 CO 15443 OB 15443 OB12 (pack of 12) 15443 TZT		15471 BBR 15471 TZT																																					
Housing	Brass or Copper (CO)		Cast Brass (BBR) or Cast Aluminum																																					
Lamp Base	12V S8 Wedge base socket		12V S8 Wedge base socket																																					
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen																																				
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.		35" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																					
Notes	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake. Features decorative light-leak pattern. LED version of fixture 15843 on page 44. Brass and Copper will naturally patina over time. U.S. Patent No. D408,573.		Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake. Features decorative light-leak pattern. LED version of fixture 15871 on page 44. Brass will naturally patina over time.																																					
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																							
Dimensions																																								
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <th>Footcandles</th> <td>8.9</td> <td>2.8</td> <td>.6</td> <td>.15</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	8.9	2.8	.6	.15	-	-	-	-	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <th>Footcandles</th> <td>8.9</td> <td>2.8</td> <td>.6</td> <td>.15</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	8.9	2.8	.6	.15	-	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	8.9	2.8	.6	.15	-	-	-	-																																
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	8.9	2.8	.6	.15	-	-	-	-																																

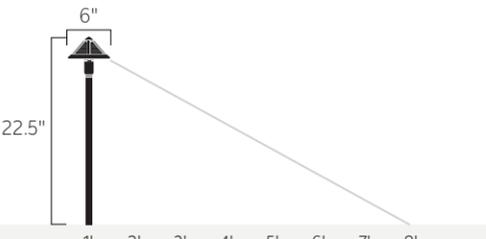
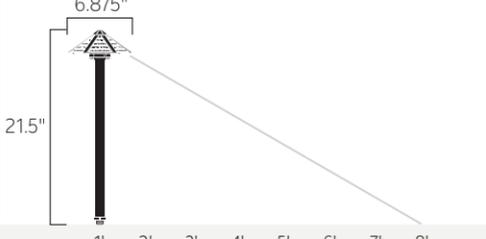
	Fundamentals™		Ribbed Roof																																				
Finishes	TZT (shown), CO, OB		AZT																																				
Item Number and Finish	15439 CO 15439 OB 15439 TZT		15418 AZT																																				
Housing	Brass or Copper (CO)		Cast Aluminum with clear glass sprinkler shield																																				
Lamp Base	12V S8 Wedge base socket		12V T3 Bi-Pin, high-temperature porcelain socket																																				
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen	Incandescent: 10W(VA) T3 (17011)	LED: 2W G4/T3 (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen																																			
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.		20" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																				
Notes	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake. LED version of fixture 15839 on page 45. Brass and Copper will naturally patina over time.		Includes 20W(VA) T3 (17012) Halogen lamp and 8" in-ground slotted stake.																																				
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																						
Dimensions																																							
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <th>Footcandles</th> <td>13.4</td> <td>4.55</td> <td>1.65</td> <td>.58</td> <td>.13</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	13.4	4.55	1.65	.58	.13	-	-	-	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <th>Footcandles</th> <td>11.7</td> <td>5.4</td> <td>1.1</td> <td>.2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	11.7	5.4	1.1	.2	-	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																															
Footcandles	13.4	4.55	1.65	.58	.13	-	-	-																															
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																															
Footcandles	11.7	5.4	1.1	.2	-	-	-	-																															

Retrofit Path & Spread



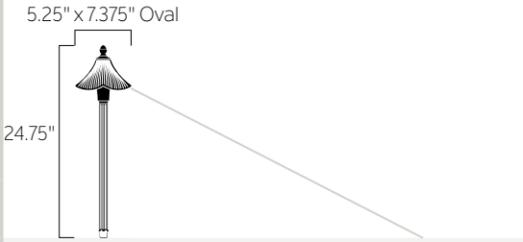
	Glass & Metal		Simplicity Side Mount																																					
Finishes	AZT (shown), BN		AZT																																					
Item Number and Finish	15317 AZT 15317 BN		15360 AZT																																					
Housing	Aluminum or Brushed Nickel (BN) with glass diffuser		Aluminum																																					
Lamp Base	12V S8 Wedge base socket		12V S8 Wedge base socket																																					
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18122, 18123) Compares up to 18.5W Krypton																																				
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.		35" of usable #18-2, SPT-1W leads. Cable connectors supplied.	Coordinating Product																																				
Notes	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake. LED version of fixture 15817 on page 51.		Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake.	 Deck Light 15064 , see page 157.																																				
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																							
Dimensions																																								
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>9.4</td><td>4.8</td><td>2</td><td>.72</td><td>.32</td><td>.16</td><td>-</td><td>-</td> </tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	9.4	4.8	2	.72	.32	.16	-	-	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>10.8</td><td>3.5</td><td>1.1</td><td>.4</td><td>.1</td><td>-</td><td>-</td><td>-</td> </tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	10.8	3.5	1.1	.4	.1	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	9.4	4.8	2	.72	.32	.16	-	-																																
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	10.8	3.5	1.1	.4	.1	-	-	-																																



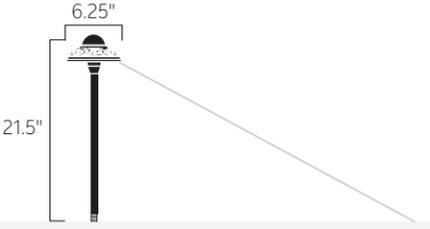
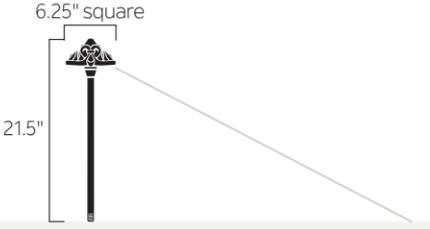
	Mica Mission	Thatched Roof																		
Finishes	TZT																			
Item Number and Finish	15450 TZT	15401 AZT																		
Housing	Cast Aluminum with Mica finished glass panels	Cast Aluminum with clear glass sprinkler shield																		
Lamp Base	12V T5 Wedge base socket	12V T3 Bi-Pin, high-temperature porcelain socket																		
Lamp Options-Power Usage at 12V AC input	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	LED: 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen																		
Wiring	22" of usable #18-2, SPT-1W leads. Cable connectors supplied.	20" of usable #18-2, SPT-1W leads. Cable connectors supplied.																		
Notes	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake.	Includes 20W(VA) T3 (17012) Halogen lamp and 8" in-ground slotted stake.																		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																			
Dimensions																				
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>1.34</td><td>1.61</td><td>1.63</td><td>.86</td><td>.46</td><td>.07</td><td>.07</td><td>-</td> </tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	1.34	1.61	1.63	.86	.46	.07	.07	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'												
Footcandles	1.34	1.61	1.63	.86	.46	.07	.07	-												

Retrofit Path & Spread



	Gate House™		Single-Tier Leaf																																					
Finishes	OZ		MST (shown), AZT	Additional Finishes																																				
Item Number and Finish	15379 OZ		15314 AZT 15314 MST																																					
Housing	Cast Brass		Cast Aluminum																																					
Lamp Base	12V S8 Wedge base socket		12V S8 Wedge base socket																																					
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen																																				
Wiring	34" of usable #18-2, SPT-1W leads. Cable connectors supplied.		35" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																					
Notes	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 14" in-ground slotted stake. Fixture head is oval in shape. Brass will naturally patina over time. U.S. Patent No. D561,371.		Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake.																																					
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																							
Dimensions																																								
Photometrics*	<table border="1"> <tr><th>Distance from Light</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Footcandles</td><td>3.43</td><td>3.43</td><td>1.46</td><td>.33</td><td>-</td><td>-</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	3.43	3.43	1.46	.33	-	-	-	-	<table border="1"> <tr><th>Distance from Light</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Footcandles</td><td>2.6</td><td>3.2</td><td>1.2</td><td>.5</td><td>.2</td><td>-</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	2.6	3.2	1.2	.5	.2	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	3.43	3.43	1.46	.33	-	-	-	-																																
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																
Footcandles	2.6	3.2	1.2	.5	.2	-	-	-																																

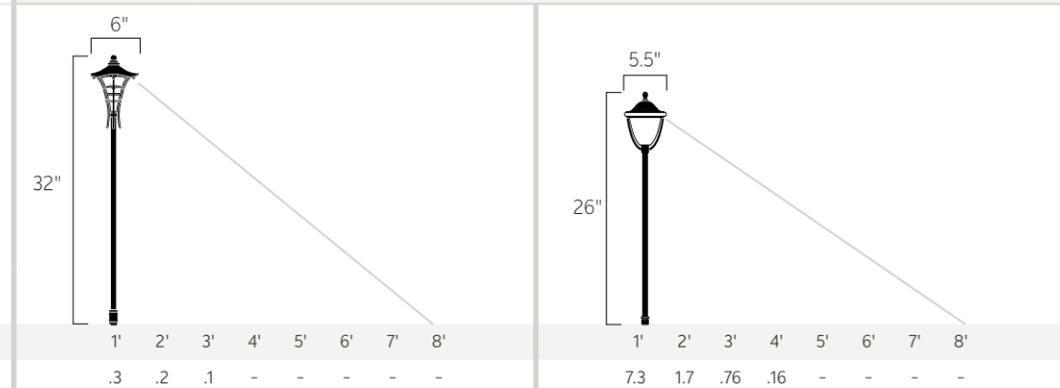


	Pierced Dome	Pierced Scrollwork																		
Finishes	AZT	TZT																		
Item Number and Finish	15457 AZT	15437 TZT																		
Housing	Cast Aluminum	Cast Aluminum																		
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket																		
Lamp Options-Power Usage at 12V AC input	Incandescent: 11.6W(VA) 912X (17023) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen																		
Wiring	24" of usable #18-2, SPT-1W leads. Cable connectors supplied.	24" of usable #18-2, SPT-1W leads. Cable connectors supplied.																		
Notes	Includes 16.25W(VA) 921X (17025) Xenon lamp and 8" in-ground slotted stake. Features decorative light-leak pattern. LED version of fixture 15857 on page 57.	Includes 16.25W(VA) 921X (17025) Xenon lamp and 8" in-ground slotted stake. Features decorative light-leak pattern. Fixture head is square in shape.																		
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																			
Dimensions																				
Photometrics*	<table border="1"> <tr><th>Distance from Light</th><th>1'</th><th>2'</th><th>3'</th><th>4'</th><th>5'</th><th>6'</th><th>7'</th><th>8'</th></tr> <tr><td>Footcandles</td><td>5.22</td><td>3.76</td><td>2.02</td><td>.89</td><td>.12</td><td>.05</td><td>-</td><td>-</td></tr> </table>		Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	5.22	3.76	2.02	.89	.12	.05	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'												
Footcandles	5.22	3.76	2.02	.89	.12	.05	-	-												

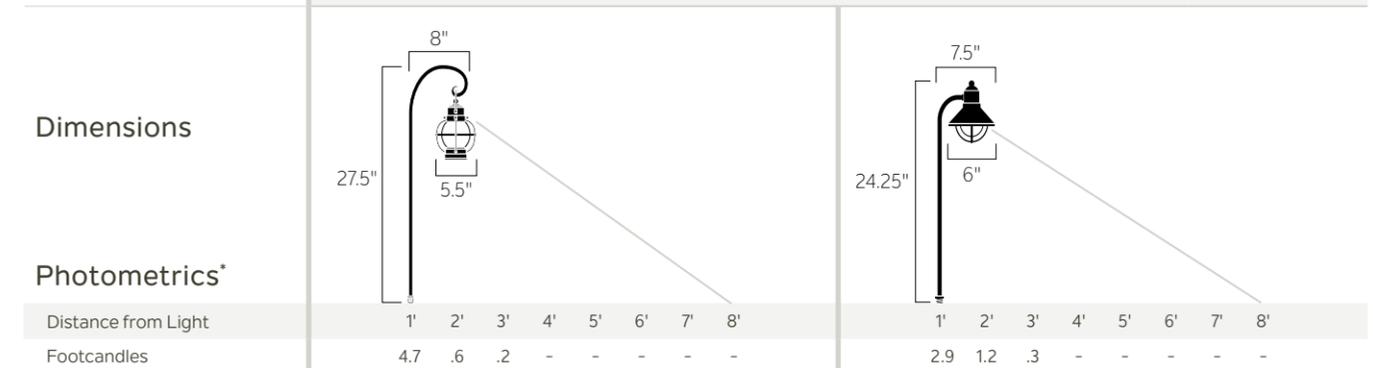
Retrofit Path & Spread



	Cotswold™ Convertible-Height Tiki	Round Lantern
Finishes	AGZ	TZT
Item Number and Finish	15421 AGZ	15367 TZT
Housing	Cast Aluminum with weathered white glass	Cast Aluminum with etched sunset glass
Lamp Base	12V T5 Wedge base socket	12V S8 Wedge base socket
Lamp Options-Power Usage at 12V AC input	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen	Incandescent: 18.5W(VA) 3155K (15599 CLR) LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen
Wiring	24" of usable #18-2, SPT-1W leads. Cable connectors supplied.	51" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake. Photometrics below at 32" stem height. Stem extends out to 59"	Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake.
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket	



	Concord Lantern	Traditional Marine Lantern	Additional Finishes
Finishes	OB	OZ (shown), OB	
Item Number and Finish	15334 OB	15438 OB 15438 OZ	
Housing	Brass with stainless steel rods and seedy glass	Brass with white polycarbonate diffuser	OB
Lamp Base	12V T5 Wedge base socket	12V S8 Wedge base socket	
Lamp Options-Power Usage at 12V AC input	Incandescent: 4W(VA) 901X (17022) LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen	Incandescent: 18.5W(VA) 3155K (15599 CLR) LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen	
Wiring	20" of usable #18-2, SPT-1W leads. Cable connectors supplied.	26" of usable #18-2, SPT-1W leads. Cable connectors supplied.	
Notes	Includes 6.5W(VA) 918X (17022) Xenon lamp and 8" in-ground slotted stake.	Includes 18.5W(VA) 3155K (15599 CLR) Krypton lamp and 8" in-ground slotted stake. Brass will naturally patina over time.	
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket		



Retrofit Path & Spread



	Cross Creek™ Lantern	Intaglio Brass Crook Neck
Finishes	AGZ	OZ
Item Number and Finish	15322 AGZ	15436 OZ
Housing	Cast Aluminum with textured amber linen seedy glass panels	Brass
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket
Lamp Options-Power Usage at 12V AC input	Incandescent: 11.6W(VA) 912X (17023) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)
	LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen	LED: 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.	26" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 16.25W(VA) 921X (17025) Xenon lamp and 8" in-ground slotted stake. U.S. Patent No. D580,084.	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake. Etched floral pattern on brass shade. Brass will naturally patina over time.
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket	
Dimensions		
Photometrics*		
Distance from Light	1' 2' 3' 4' 5' 6' 7' 8'	1' 2' 3' 4' 5' 6' 7' 8'
Footcandles	1.2 .26 - - - - -	5.03 3.18 1.45 .68 .3 .13 .03 -



	Lafayette™ Lantern	Larkin Estate™
Finishes	TZG	OZ
Item Number and Finish	15313 TZG	15444 OZ
Housing	Cast Aluminum with linen seedy glass	Cast Brass with amber etched glass
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket
Lamp Options-Power Usage at 12V AC input	Incandescent: 11.6W(VA) 912X (17023) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	Incandescent: 11.6W(VA) 921X (17023) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)
	LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen	LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen
Wiring	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.	40" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes 16.25W(VA) 921X (17025) Xenon lamp and 8" in-ground slotted stake.	Includes 16.25W(VA) 921X (17025) Xenon lamp and 8" in-ground slotted stake. Brass will naturally patina over time.
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket	
Dimensions		
Photometrics*		
Distance from Light	1' 2' 3' 4' 5' 6' 7' 8'	1' 2' 3' 4' 5' 6' 7' 8'
Footcandles	3 1.96 .86 .33 - - - -	6.9 .7 .4 .2 .1 - - -

Retrofit Path & Spread



	Mission Lantern	Zen Garden																																				
Finishes	PZ	OZ																																				
Item Number and Finish	15319 PZ	15391 OZ																																				
Housing	Brass with satin-etched glass	Brass with textured amber seedy linen glass																																				
Lamp Base	12V S8 Wedge base socket	12V T5 Wedge base socket																																				
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR) LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen																																				
Wiring	40" of usable #18-2, SPT-1W leads. Cable connectors supplied.	30" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																				
Notes	Includes 18.5W(VA) 3155K (15599 CLR) Krypton lamp and 8" in-ground slotted stake.	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake. Brass will naturally patina over time.																																				
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																					
Dimensions																																						
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <td>Footcandles</td> <td>2.11</td> <td>7.3</td> <td>1.7</td> <td>.7</td> <td>.5</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	2.11	7.3	1.7	.7	.5	-	-	-	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <td>Footcandles</td> <td>3.2</td> <td>1.2</td> <td>.26</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	3.2	1.2	.26	-	-	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	2.11	7.3	1.7	.7	.5	-	-	-																														
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	3.2	1.2	.26	-	-	-	-	-																														



	Cathedral	Almeria™																																				
Finishes	TZT	BKT																																				
Item Number and Finish	15429 TZT	15426 BKT																																				
Housing	Aluminum	Aluminum with light umber glass																																				
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket																																				
Lamp Options-Power Usage at 12V AC input	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W S8 Wedge (18122, 18123) Compares up to 18.5W Krypton	Incandescent: 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon																																				
Wiring	24" of usable #18-2, SPT-1W leads. Cable connectors supplied.	34" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																				
Notes	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake.	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake. U.S. Patent No. D578,238.																																				
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																					
Dimensions																																						
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <td>Footcandles</td> <td>5.42</td> <td>.47</td> <td>1.15</td> <td>.32</td> <td>.05</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	5.42	.47	1.15	.32	.05	-	-	-	<table border="1"> <tr> <th>Distance from Light</th> <th>1'</th> <th>2'</th> <th>3'</th> <th>4'</th> <th>5'</th> <th>6'</th> <th>7'</th> <th>8'</th> </tr> <tr> <td>Footcandles</td> <td>5.2</td> <td>.8</td> <td>.2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	5.2	.8	.2	-	-	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	5.42	.47	1.15	.32	.05	-	-	-																														
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	5.2	.8	.2	-	-	-	-	-																														

Retrofit Path & Spread



	Tulip		Adjustable Crescent					
Finishes	MST		OZ					
Item Number and Finish	15349 MST		15330 OZ					
Housing	Aluminum		Brass					
Lamp Base	12V S8 Wedge base socket		12V S8 Wedge base socket					
Lamp Options-Power Usage at 12V AC input	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton	Incandescent: 18.5W(VA) 3155K (15599 CLR)	LED: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18122, 18123) Compares up to 18.5W Krypton				
Wiring	37" of usable #18-2, SPT-1W leads. Cable connectors supplied.		42" of usable #18-2, SPT-1W leads. Cable connectors supplied.					
Notes	Includes 18.5W(VA) 3155K (15599 CLR) Krypton lamp and 8" in-ground slotted stake.		Includes 24.4W(VA) 3156K (15598 CLR) Krypton lamp and 8" in-ground slotted stake. Adjustable shade on this versatile fixture allows it to be used as a path light, accent light or for wall washing. Brass will naturally patina over time.					
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket							
Dimensions								
Photometrics*								
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'
Footcandles	12.7	4.1	1	.2	.07	.02	-	-
	9.98	4.13	1.52	.6	.22	.03	-	-



	Kentucky	Vintage Park™						
Finishes	OZ	TZT						
Item Number and Finish	15393 OZ	15369 TZT						
Housing	Cast Brass with light linen glass	Cast Aluminum with tea dust glass						
Lamp Base	12V T5 Wedge base socket	12V S8 Wedge base socket						
Lamp Options-Power Usage at 12V AC input	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	LED: 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen	LED only: 2W S8 Wedge (18036, 18037) Compares up to 18.5W Krypton 2W S8 Wedge (18122, 18123) Compares up to 18.5W Krypton					
Wiring	41" of usable #18-2, SPT-1W leads. Cable connectors supplied.							
Notes	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake. Brass will naturally patina over time.	Includes 18.5W(VA) 3155K (15599 CLR) Krypton lamp and 8" in-ground slotted stake. U.S. Patent No. D570,517						
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket							
Dimensions								
Photometrics*								
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'
Footcandles	3	1.96	.86	.33	-	-	-	-
	4	.9	.1	-	-	-	-	-

Retrofit Path & Spread



	Cotswold™	Cotswold™ Lantern																																				
Finishes	AGZ	AGZ																																				
Item Number and Finish	15422 AGZ	15420 AGZ																																				
Housing	Cast Aluminum	Cast Aluminum with weathered white glass																																				
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket																																				
Lamp Options-Power Usage at 12V AC input	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	LED: 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen																																				
Wiring	26" of usable #18-2, SPT-1W leads. Cable connectors supplied.	28" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																				
Notes	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake.	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake.																																				
Accessories	15601 Surface Mounting Flange 15607 Surface Mounting Bracket																																					
Dimensions																																						
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>7</td><td>3.6</td><td>1.4</td><td>.4</td><td>-</td><td>-</td><td>-</td><td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	7	3.6	1.4	.4	-	-	-	-	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>2.5</td><td>1.3</td><td>.5</td><td>.1</td><td>-</td><td>-</td><td>-</td><td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	2.5	1.3	.5	.1	-	-	-	-
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	7	3.6	1.4	.4	-	-	-	-																														
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																														
Footcandles	2.5	1.3	.5	.1	-	-	-	-																														



	Mission Bollard	Zen Garden Bollard	Cathedral™ Bollard																																																						
Finishes	OZ	OZ	TZT																																																						
Item Number and Finish	15458 OZ	15392 OZ	15449 TZT																																																						
Housing	Brass with honey beige glass	Brass with textured amber seedy linen glass	Aluminum with dark citrine glass																																																						
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket	12V T5 Wedge base socket																																																						
Lamp Options-Power Usage at 12V AC input	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)	LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021)																																																						
Wiring	22" of usable #18-2, SPT-1W leads. Cable connectors supplied.	35" of usable #18-2, SPT-1W leads. Cable connectors supplied.	22" of usable #18-2, SPT-1W leads. Cable connectors supplied.																																																						
Notes	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake. Brass will naturally patina over time.	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake. Brass will naturally patina over time.	Includes 11.6W(VA) 912X (17023) Xenon lamp and 8" in-ground slotted stake.																																																						
Accessories	15601 Surface Mounting Flange, 15607 Surface Mounting Bracket																																																								
Dimensions																																																									
Photometrics*	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>5.3</td><td>2.1</td><td>.5</td><td>.02</td><td>-</td><td>-</td><td>-</td><td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	5.3	2.1	.5	.02	-	-	-	-	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>.36</td><td>.2</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	.36	.2	-	-	-	-	-	-	<table border="1"> <tr> <th>Distance from Light</th> <td>1'</td><td>2'</td><td>3'</td><td>4'</td><td>5'</td><td>6'</td><td>7'</td><td>8'</td> </tr> <tr> <th>Footcandles</th> <td>1.81</td><td>1.26</td><td>.7</td><td>.39</td><td>.25</td><td>.16</td><td>.012</td><td>.01</td> </tr> </table>	Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'	Footcandles	1.81	1.26	.7	.39	.25	.16	.012	.01
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																																	
Footcandles	5.3	2.1	.5	.02	-	-	-	-																																																	
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																																	
Footcandles	.36	.2	-	-	-	-	-	-																																																	
Distance from Light	1'	2'	3'	4'	5'	6'	7'	8'																																																	
Footcandles	1.81	1.26	.7	.39	.25	.16	.012	.01																																																	

*Values stated for supplied lamp with fixture.



12V Retrofit Deck & Patio

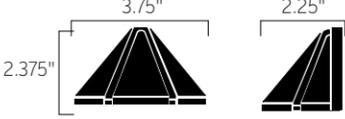
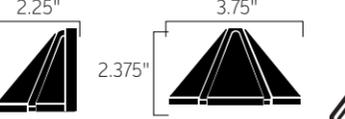
Retrofit with LED Lamps

Adding on to a deck or patio? Need additional lighting solutions? Kichler delivers affordable and versatile lights that enhance gathering areas and provide essential navigation.



Retrofit Deck & Patio



	Mini Deck Light		Full Back Mini Deck Light	
Finishes	BBR (shown), AZT, BKT, WHT	Additional Finishes	AZT	
Item Number and Finish	15065 AZT 15065 BBR 15065 BKT 15065 WHT	 AZT	15045 AZT	
Housing	Cast Aluminum or Cast Brass (BBR)	 BKT	Cast Aluminum	
Lamp Base	12V T5 Wedge base socket	 WHT	12V T5 Wedge base socket	
Lamp Options-Power usage at 12V AC input	LED: 2W T5 Wedge (18120, 18121) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen <i>Light distribution may be affected by location of sockets</i>	Coordinating Products	Incandescent: 4W(VA) 901X (17021)	LED: 2W T5 Wedge (18120, 18121) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen <i>Light distribution may be affected by location of sockets</i>
Wiring	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.	 Path Lights 15005, 15011, 15315, 15326, 15328, see pages 134-136	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.	Coordinating Products
Notes	LED version of fixture 15765 on page 65. Brass will naturally patina over time.		Includes 6.5W(VA) 918X (17022) Xenon lamp	 Path Lights 15005, 15011, 15315, 15326, 15328, see pages 134-136
Dimensions				 Integral full cast back for mounting on irregular surfaces.

	Brass Deck Light	Half Moon Deck Light	
Finishes	CBR	BBR (shown), AZT, WHT	Additional Finishes
Item Number and Finish	15477 CBR	15064 AZT 15064 BBR 15064 WHT	 AZT
Housing	Cast Brass	Cast Aluminum or Cast Brass (BBR)	 WHT
Lamp Base	12V T5 Wedge base socket	12V T3 Bi-Pin, high-temperature porcelain socket	
Lamp Options-Power usage at 12V AC input	Incandescent: Max: 13W(VA) Type 912	LED: 2W T5 Wedge (18120, 18121) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen	Incandescent: 4W(VA) 901X (17021)
Wiring	72" of usable #18-2, SPT-1W leads. Cable connectors not included.	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.	Coordinating Products
Notes	Includes two #8 screws for mounting. Brass will naturally patina over time.	Includes 10W(VA) Q10T3 (17011) Halogen lamp. LED version of fixture 15764 on page 65. Brass will naturally patina over time.	 Path Light 15360, see page 140
Dimensions			

Retrofit Deck & Patio

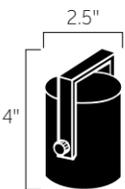
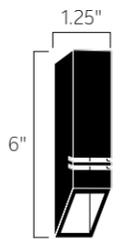


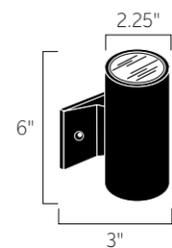
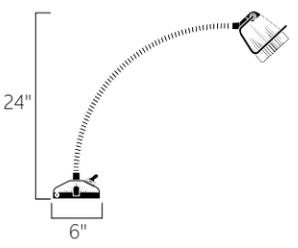
	Mini Deck Light	Oak Trail™ Accent
Finishes	AZ	OZ
Item Number and Finish	15165 AZ	15047 OZ
Housing	Durable thermo-plastic composite resin, one-piece construction. Extremely resistant to impact, weathering and the effects of UV.	Cast Brass
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket
Lamp Options-Power usage at 12V AC input	Incandescent: 4W(VA) 901X (17021) LED: 2W T5 Wedge (18120, 18121) Compares up to 16W Xenon 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen <i>Light distribution may be affected by location of sockets</i>	Incandescent: 4W(VA) 901X (17021) LED: 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen <i>Light distribution may be affected by location of sockets</i>
Wiring	71" of usable #18-2, SPT-1W leads. Cable connectors supplied.	71" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes stainless steel surface mounting bracket and 6.5W(VA) 918X (17023) Xenon lamp.	Includes stainless steel surface mounting bracket and 6.5W(VA) 918X (17023) Xenon lamp. Brass will naturally patina over time. U.S. Patent No. D573,293
Dimensions		

	Zen Garden™ Deck Post	Larkin Estate™ Deck Post
Finishes	OZ	OZ
Item Number and Finish	15071 OZ	15474 OZ
Housing	Brass with textured linen seedy glass	Brass with umber-etched glass
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket
Lamp Options-Power usage at 12V AC input	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen <i>Light distribution may be affected by location of sockets</i>	Incandescent: 16.25W(VA) 921X (17025) 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W T5 Wedge (18039, 18040) Compares up to 16W Xenon 1.2W T3/G4 (18200, 18201) Compares up to 10W Halogen 2W T3/G4 (18206, 18207) Compares up to 20W Halogen <i>Light distribution may be affected by location of sockets</i>
Wiring	59" of usable #18-2, SPT-1W leads. Cable connectors supplied.	71" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes stainless steel post adaptor and rail adaptor, fits standard 4"x4" post. Includes 16.25W(VA) 912X (17023) Xenon lamp. Brass will naturally patina over time.	Includes stainless steel rail mounting bracket, fits standard 4"x4" post, and adaptor for 6"x6" post. Includes 16.25W(VA) 912X (17023) Xenon lamp. Brass will naturally patina over time.
Dimensions		

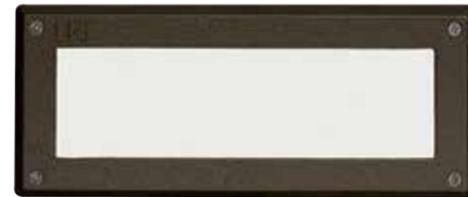
Retrofit Deck & Patio

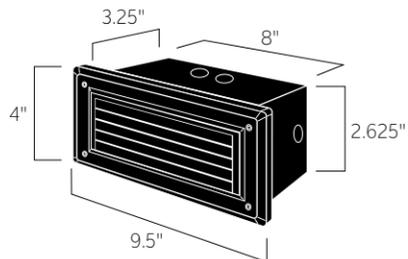
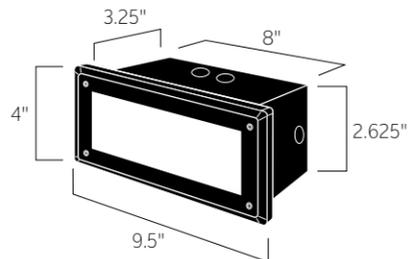


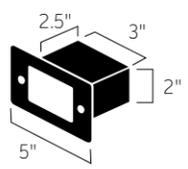
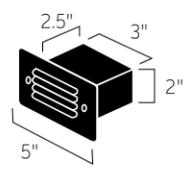
	Adjustable Under Deck Rail	Louvered Down Deck Rail	
Finishes	AZT	AZT (shown), WHT	Additional Finishes
Item Number and Finish	15077 AZT	15066 AZT 15066 WHT	 WHT
Housing	Aluminum	Aluminum	
Lamp Base	12V S8 Wedge base socket	12V T5 Wedge base socket	
Lamp Options-Power usage at 12V AC input	LED only: 2W S8 Wedge (18202, 18203) Compares up to 20W Halogen	Incandescent: 4W(VA) 901X (17021)	LED: 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen
Wiring	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.	72" of usable #18-2, SPT-1W leads. Cable connectors supplied.	
Notes	Includes 18.5W(VA) 3155K (15599) Krypton lamp and mounting hardware.	Includes 6.5W(VA) 918X (17022) Xenon lamp and stainless steel mounting plate. U.S. Patent No. D437,445	
Dimensions	  Wall mount option		

	Up/Down Accent Deck Light	Barbecue Light
Finishes	AZT	BK
Item Number and Finish	15079 AZT	15123 BK
Housing	Aluminum	Components of durable, high-heat, thermo-plastic resin. Lamp shielded by a high-heat resistant flat glass lens sealed for watertight outdoor use. Flexible stem is durable chrome-plated steel with heat shrink rubber sleeving. On/off switch is proteded by waterproof rubber boot.
Lamp Base	12V T5 Wedge base socket	12V Bi-Pin, high-temperature porcelain socket
Lamp Options-Power usage at 12V AC input	Incandescent: 4W(VA) 901X (17021) 6.5W(VA) 918X (17022)	LED only: 2.5W MR11 (18158-18165)
Wiring	70" of usable #18-2, SPT-1W leads. Cable connectors supplied.	25" of usable #18-2, SPT-1W leads. Cable connectors supplied.
Notes	Includes stainless steel surface mounting plate and two 11.6W(VA) 912X (17023) Xenon lamps.	Includes one set of wood screws, one set of machine screws and nuts. For rail or outdoor countertop mount only.
Accessories	15659 AZT Heat-Resistant Lens 	
Dimensions		

Retrofit Deck & Patio



	Louvered Brick Light	Acrylic Lens Brick Light
Finishes	AZT	AZT
Item Number and Finish	15073 AZT	15074 AZT
Housing	Cast Aluminum with a fully sealed, heat-resistant glass lens	Cast Aluminum with a fully sealed, heat-resistant glass lens
Lamp Base	(2) 12V T3 Bi-Pin, high-temperature porcelain sockets	(2) 12V T3 Bi-Pin, high-temperature porcelain sockets
Lamp Options-Power usage at 12V AC input	LED only: 2W T3/G4 Bi-Pin (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 Bi-Pin (18200, 18201) Compares up to 10W Halogen 2W T3/G4 Bi-Pin (18206, 18207) <i>Light distribution may be affected by location of sockets</i>	LED only: 2W T3/G4 Bi-Pin (18042, 18043) Compares up to 20W Halogen 1.2W T3/G4 Bi-Pin (18200, 18201) Compares up to 10W Halogen 2W T3/G4 Bi-Pin (18206, 18207) <i>Light distribution may be affected by location of sockets</i>
Wiring	Wire connection must be made inside fixture housing. 75° supply wire required.	Wire connection must be made inside fixture housing. 75° supply wire required.
Notes	Includes stainless steel mounting bracket and two 10W(VA) Q10T3 (17011) Halogen lamps. LED version of fixture 15773 on page 68. For masonry or concrete use, outdoors only.	Included stainless steel mounting hardware and junction box. Designed to be integrated into brick wall during construction. LED version is also usable in vertical risers. LED version of fixture 15774 on page 68.
Dimensions		

	Mini Louvered Step Light	Mini Acrylic Lens Step Light
Finishes	WHT (shown), AZT	AZT
Item Number and Finish	15072 AZT 15072 WHT	15070 AZT
Housing	Aluminum faceplate with white reflector. Zinc plated steel housing.	Aluminum faceplate with white reflector. Zinc plated steel housing with white acrylic diffuser.
Lamp Base	12V T5 Wedge base socket	12V T5 Wedge base socket
Lamp Options-Power usage at 12V AC input	Incandescent: 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen <i>Light distribution may be affected by location of sockets</i>	Incandescent: 6.5W(VA) 918X (17022) 4W(VA) 901X (17021) LED: 2W T5 Wedge (18204, 18205) Compares up to 20W Halogen 1.2W T5 Wedge (18198, 18199) Compares up to 10W Halogen <i>Light distribution may be affected by location of sockets</i>
Wiring	Wire connection must be made inside fixture housing. 90° supply wire required.	Wire connection must be made inside fixture housing. 90° supply wire required.
Notes	Includes mounting hardware and junction box. For recessed installation and outdoor use only. LED version of fixture 15782 on page 69.	Includes mounting hardware and junction box. For recessed installation and outdoor use only. LED version of fixture 15780 on page 69.
Dimensions		



12V Lamps

LED, Incandescent and more

LED or incandescent choices are designed to illuminate and perform with Kichler dependability. Superior optics and fully potted electronics generate consistent light output across a 9V to 15V operating range.

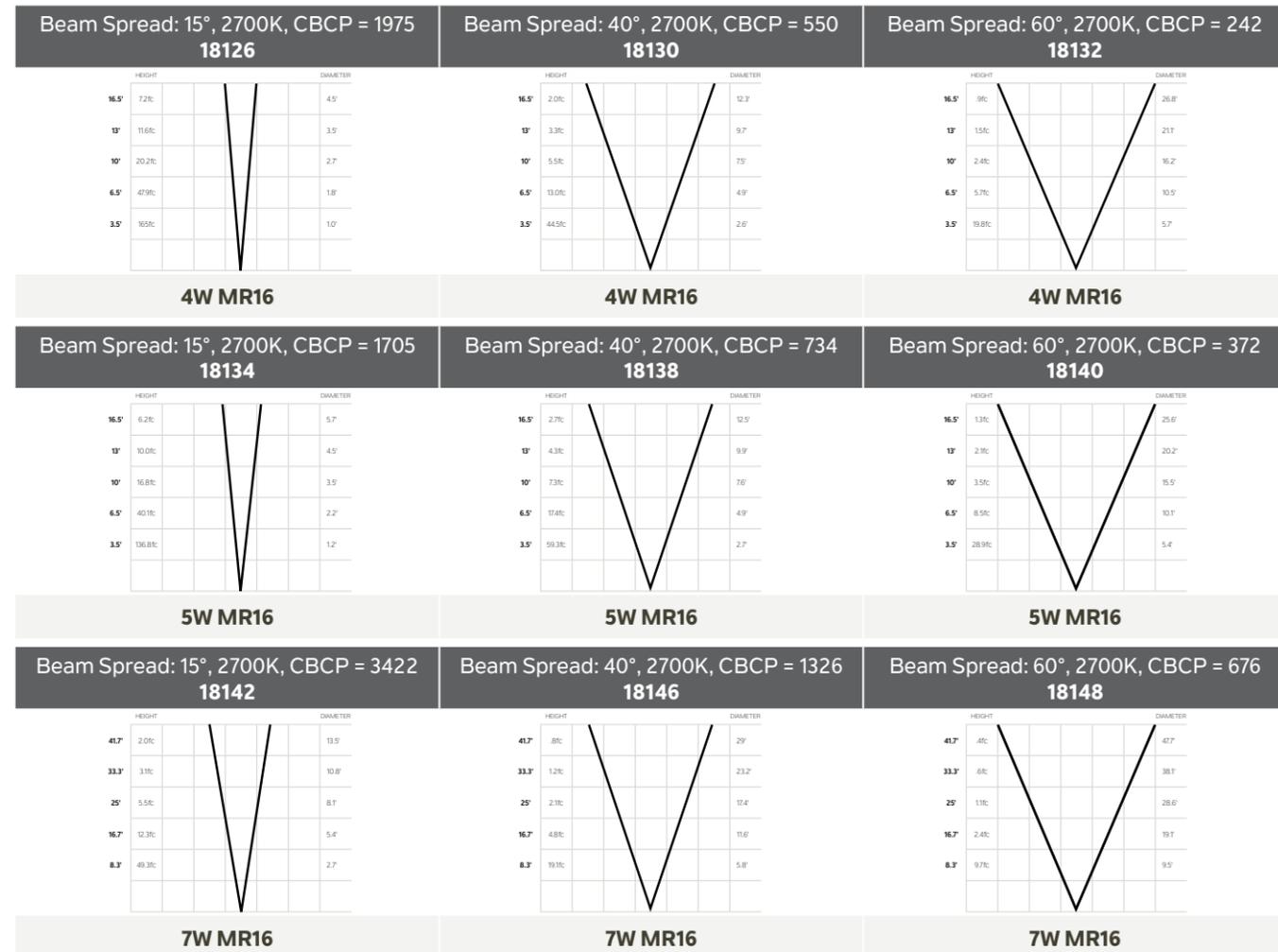


12V LED LAMPS

Features

- Potted and/or coated electronics protect against moisture
- Generate consistent light output for systems with an operating range from 9V to 15V with no loss in light output
- Designed and listed for outdoor use in enclosed fixtures/damp locations **D** or wet locations **W**
- Cast aluminum heat sink, anodized black, for increased thermal management
- Integrated, high-output LEDs are tightly binned for high CRI, color consistency and color quality
- 30,000 hour life in an enclosed fixture
- FCC compliance ensures no interference with other electronic devices
- High total lumens and lumens per watt (efficacy)
- Custom optics deliver center-to-edge beam uniformity
- 6-year warranty

Photometrics: 12V LED Lamps



The curves indicate the illuminated area and the average illumination when the luminaire is at different distances. Stated footcandles are for bare lamps only. For additional photometrics, visit Kichler.com/Landscape.

12V LED Lamps

LAMP	ITEM #	BASE/ LAMP TYPE	WATTS	KELVIN/LUMENS (lm for Bare Lamps)	BEAM ANGLE/ITEM #			
					15° Spot	25° Narrow Flood	40° Flood	60° Wide Flood
	18150, 18152, 18154, 18156	MR8 Bi-Pin Damp Location D	2W, 3.1VA Compares up to 15W Halogen	2700K - Warm White 140 lm	18150	18152	18154	18156
	18151, 18153, 18155, 18157				18151	18153	18155	18157
	18158, 18160, 18162, 18164	MR11 Bi-Pin Damp Location D	2.5W, 3.8VA Compares up to 20W Halogen	2700K - Warm White 180 lm	18158	18160	18162	18164
	18159, 18161, 18163, 18165				18159	18161	18163	18165
	18126, 18128, 18130, 18132	MR16 Damp Location D	4W, 5.4VA Compares up to 20W Halogen	2700K - Warm White 285 lm	18126	18128	18130	18132
	18127, 18129, 18131, 18133				18127	18129	18131	18133
	18134, 18136, 18138, 18140	MR16 Damp Location D	5W, 6.6VA Compares up to 35W Halogen	2700K - Warm White 365 lm	18134	18136	18138	18140
	18135, 18137, 18139, 18141				18135	18137	18139	18141
	18142, 18144, 18146, 18148	MR16 Damp Location D	7.2W, 9.9VA Compares up to 50W Halogen	2700K - Warm White 615 lm	18142	18144	18146	18148
	18143, 18145, 18147, 18149				18143	18145	18147	18149
	18166, 18168, 18170, 18172	PAR36 Wet Location W	4.2W, 6.3VA Compares up to 20W Halogen	2700K - Warm White 290 lm	18166	18168	18170	18172
	18167, 18169, 18171, 18173				18167	18169	18171	18173
	18174, 18176, 18178, 18180	PAR36 Wet Location W	6W, 8.5VA Compares up to 35W Halogen	2700K - Warm White 475 lm	18174	18176	18178	18180
	18175, 18177, 18179, 18181				18175	18177	18179	18181
	18182, 18184, 18186, 18188	PAR36 Wet Location W	10W, 13.2VA Compares up to 50W Halogen	2700K - Warm White 700 lm	18182	18184	18186	18188
	18183, 18185, 18187, 18189				18183	18185	18187	18189
	18021, 18024, 18027	PAR36/AR111 Wet Location W	10W, 13.2VA Compares up to 50W Halogen	2700K - Warm White 620 lm	18021	18024	18027	--
	18022, 18025, 18028				18022	18025	18028	--
	18190, 18192, 18194, 18196	PAR36 Wet Location W	14W, 19.2VA Compares up to 75W Halogen	2700K - Warm White 1090 lm	18190	18192	18194	18196
	18191, 18193, 18195, 18197				18191	18193	18195	18197

12V LED Lamps

LAMP	ITEM #	BASE/ LAMP TYPE	WATTS	KELVIN/LUMENS (lm for Bare Lamps)	BEAM ANGLE/ITEM #s	
					300° Omni-Directional	
	18036	S8 Wedge Wet Location 	2W, 2.9VA	2700K - Warm White / 95 lm	18036	
	18037		Compares up to 18.5W Krypton	3000K - Pure White / 95 lm	18037	
	18039	T5 Wedge Wet Location 	2W, 2.9VA	2700K - Warm White / 95 lm	18039	
	18040		Compares up to 16W Xenon	3000K - Pure White / 95 lm	18040	
	18042	G4/T3 Bi-Pin Wet Location 	2W, 2.9VA	2700K - Warm White / 95 lm	18042	
	18043		Compares up to 20W Halogen	3000K - Pure White / 95 lm	18043	
					120° Beam Angle	
	18122	S8 Wedge* Wet Location 	1.5W, 2.4VA	2700K - Warm White / 130 lm	18122	
	18123		Compares up to 18.5W Krypton	3000K - Pure White / 130 lm	18123	
	18120	T5 Wedge* Wet Location 	1.5W, 2.4VA	2700K - Warm White / 130 lm	18120	
	18121		Compares up to 16W Xenon	3000K - Pure White / 130 lm	18121	
	18124	G4/T3 Bi-Pin* Wet Location 	1.5W, 2.4VA	2700K - Warm White / 130 lm	18124	
	18125		Compares up to 20W Halogen	3000K - Pure White / 130 lm	18125	

LAMP	ITEM #	BASE/ LAMP TYPE	WATTS	KELVIN/LUMENS (lm for Bare Lamps)	BEAM ANGLE/ITEM #s	
					180°	300°
	18198	T5 Wedge Mini Ceramic Wet Location 	1W, 1.2VA	2700K - Warm White / 85 lm	18198	--
	18199		Compares up to 10W Halogen	3000K - Pure White / 85 lm	18199	--
	18200	T3/G4 Bi-Pin Micro Ceramic Wet Location 	1W, 1.2VA	2700K - Warm White / 85 lm	18200	--
	18201		Compares up to 10W Halogen	3000K - Pure White / 85 lm	18201	--
	18204	T5 Wedge High Lumen Mini Wet Location 	2.3W, 3.3VA	2700K - Warm White / 215 lm	--	18204
	18205		Compares up to 20W Halogen	3000K - Pure White / 215 lm	--	18205
	18202	S8 Wedge High Lumen Mini Wet Location 	2.3W, 3.3VA	2700K - Warm White / 215 lm	--	18202
	18203		Compares up to 20W Halogen	3000K - Pure White / 215 lm	--	18203
	18206	T3/G4 Bi-Pin High Lumen Mini Wet Location 	2.3W, 3.3VA	2700K - Warm White / 215 lm	--	18206
	18207		Compares up to 20W Halogen	3000K - Pure White / 215 lm	--	18207
	18208	BA15 Single Contact High Lumen Mini Wet Location 	2.3W, 3.3VA	2700K - Warm White / 215 lm	--	18208
	18209		Compares up to 20W Halogen	3000K - Pure White / 215 lm	--	18209

12V Incandescent Lamps

LAMP/BULB	ITEM #	12V BULB TYPE	WATTS	BEAM SPREAD	BASE	AVERAGE LIFE
	15599 CLR	3155K Krypton	18.5	--	Wedge	5,700 hrs.
	15598 CLR	3156K Krypton	24.4	--	Wedge	5,000 hrs.
	17011	Q10T3 Halogen	10	--	Bi-Pin	10,000 hrs.
	17012	Q20T3 Halogen	20	--	Bi-Pin	5,000 hrs.
	17021	901X Xenon	4	--	Wedge	19,000 hrs.
	17022	918X Xenon	6.5	--	Wedge	8,000 hrs.
	17023	912X Xenon	11.6	--	Wedge	10,000 hrs.
	17025	921X Xenon	16.25	--	Wedge	10,000 hrs.
	17033	PAR36 Halogen	20	Flood 30°	Screw Terminal	4,000 hrs.
	17040	PAR36 Halogen	35	Flood 30°	Screw Terminal	4,000 hrs.
	17046	PAR36 Halogen	50	Narrow Flood 20°	Screw Terminal	4,000 hrs.
	17047	PAR36 Halogen	50	Flood 30°	Screw Terminal	4,000 hrs.
	17052	MR11 Halogen	20	Flood 30°	Bi-Pin	2,000 hrs.
	17057	MR11 Halogen	35	Flood 30°	Bi-Pin	2,000 hrs.
	17062	MR16 Halogen	20	Flood 36°	Bi-Pin	5,000 hrs.
	17072	MR16 Halogen	35	Flood 36°	Bi-Pin	5,000 hrs.
	17082	MR16 Halogen	50	Flood 36°	Bi-Pin	5,000 hrs.
	17083	MR16 Halogen	50	Wide Flood 60°	Bi-Pin	5,000 hrs.
	17077	MR16 Halogen	35	Flood 36°	Bi-Pin	10,000 hrs.
	17087	MR16 Halogen	50	Flood 36°	Bi-Pin	10,000 hrs.
	15572 FRO	A19 12V	25	--	Medium	--

*Ideal for side mount path, deck/step, wall wash fixtures and more. Multiply fixture VA by the number of fixtures used to determine size of transformer.

Stated lumens are for bare lamps only. Using lamps in enclosed fixtures can result in up to 30-40% loss in lumen output based on test data.

All lamps are listed or certified by UL, ETL, and/or CSA to the appropriate ANSI/standard for both the United States and Canada and have tested for FCC compliance, assuring they won't interfere with other home electronic devices. So, you don't have to worry about inadvertent interference.



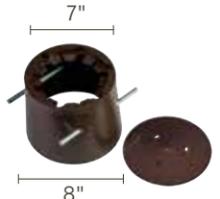
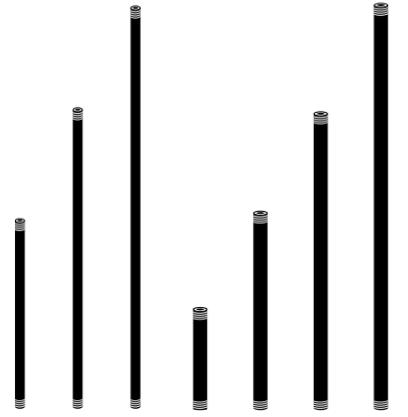
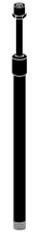


12V Accessories

LED and Incandescent

Weights, mounting kits, stems and more – all specifically engineered for 12V LED or incandescent projects. Not sure what accessories your job might require? Contact our Product Solutions and Layout team (pg. 8) for expert advice.



Mounting Accessories	Item Number	Notes
Concrete Installation Kit 	16501 BBRP	<ul style="list-style-type: none"> • Drive-over and walk-over rated to 4,500 lbs. • Throw-away debris lid • Includes two steel support rods For use with fixtures 4W, 6.5W & 14W – 16030, 16031, 16032, 16033, 16034, 16035, 16036, 16037, 16038
Fixture Mounting Stems 	.25-18 NPSM Thd. Stems .5" Dia. Overall 12" 15651 AZT, BKT 18" 15652 AZT, BKT 24" 15653 AZT, BKT Reference fixture specifications for proper stem .5-14 NPSM Thd. Stems .75" Dia. Overall 6" 15645 AZT, BBR, BKT 12" 15656 AZT, BBR, BKT 18" 15657 AZT, BBR, BKT 24" 15658 AZT, BBR, BKT	All stems made of corrosion-resistant aluminum alloy (except BBR, which is Cast Brass) with baked thermoset powder coating to match fixtures. Used with: <ul style="list-style-type: none"> • In-ground support stakes (low-voltage only) • Surface mounting flange (low or line voltage) .5-14 NPSM stems will require additional Coupler (15649) or Elbow (15647) for accent light use.
Adjustable Height Stems  Extends from 18" to 33"	15570 AZT, BKT	For use with most 12V accent fixtures. Corrosion-resistant aluminum alloy with baked thermoset powder coat finish. Stem allows fixture height to be extended for plant growth. Used with in-ground support stakes (order separately). .5-14 NPSM stems will require additional Coupler (15649) or Elbow (15647) for accent light use.
Bollard Mounting Kit  4.0625" ID 4.25" OD	18" 15665 AZT, BKT 24" 15666 AZT, BKT 36" 15667 AZT, BKT	For use with fixtures: 15005, 15011, 15205, 15211 Bollard kit is supplied with cast aluminum internal mounting plate including lag bolts for deck or surface mounting. Extruded aluminum bollard finished with baked thermoset powder coat. Order separate bollard template kit for installation into concrete or bollard mounting stake for installation in soil. UL and CSA listed.
Bollard Template Kit 	15671 ST	For use with all bollard mounting kits. For permanent installation into concrete. Template kit includes positioning template, anchor bolts and mounting hardware.
Bollard Mounting Stake  23" H	15578 BK	For use with fixtures: 16130 AZT, BKT; 16131 AZT, BKT; 16132 AZT, BKT; 16133 AZT, BKT For use with all bollard mounting kits on 12V and 120V fixtures.* Improved extruded PVC stake is corrosion-resistant and 23" length has increased support and stability. Fitting provided to mount bollard in soil. *As allowed by local electrical codes.
Polymeric Support Stakes  8" H & 14" H	15575 BK – 8" In-ground Stake 15576 BK – 14" In-ground Stake	For use with 12V fixtures. Injection molded stakes are corrosion-resistant and provide maximum support and stability. U.S. Patent No. D415,018

Mounting Accessories	Item Number	Notes
Elbow  1.18" W 2.09" H 1.35" L	15647 AZT, BBR, BKT	When combined with a stem, this accessory creates a 90° angle to offer more ways to utilize our accent fixtures as a path, area or down light. Cast Aluminum or Cast Brass housing. Textured Architectural Bronze (AZT), Bronzed Brass (BBR) or Textured Black (BKT) finish. Stabilizer set screw included.
Stem Coupler  .5-14 NPSM Thd. 1.5" H	15649 AZT, BBR, BKT	Aluminum (except BBR, which is Brass) coupler. For use with .5" NPSM stems.
Surface Mounting Flange  4" D .5-14 NPSM Thd.	15601 AZT, BBR, BKT, WHT	For 12V or 120V installations, surface flange must be used with junction box (not included). Neoprene gasket supplied to ensure water-tight seal. BBR is Bronzed Cast Brass. AZT, BKT and WHT are Cast Aluminum.
Flange Mounting Nipple  1" x .5-14 NPSM Thd.	15602 AL	Anodized aluminum nipple. Used when attaching fixture directly to 15601 Flange and 15607 Bracket.
Surface Mounting Bracket  1.5" x 2.5" x 1" .5-14NPSM Thd.	15607 AZT, BBR, BKT, WHT	For use with low-voltage fixtures. Corrosion-resistant Cast Aluminum alloy with baked thermoset powder coat finish. Low voltage only. BBR is Bronzed Cast Brass.
Out of Water Bracket  2.52" W	15777 SS	For use with fixture: 15711 SS Stainless Steel easy-mount bracket for use above ground on any surface – ideal for wood and masonry when used on decks, patios or overhangs.
Multi-Fixture Weighted Base  3.375" W	15776 BK	For use with fixture: 15711 SS Heavy-weighted, three-pronged underwater accessory for two or three fixtures to give maximum flexibility and directional capability.
Single Fixture Weighted Base  3.375" W	15778 BK	For use with fixture: 15711 SS Heavy-weight, one-prong underwater light accessory for standard installations. Provides advanced directional capability.
Junction Box Mounting Bracket  2.39" W 5.56" H	15609 AZT, BKT, CBR, WHT	Corrosion-resistant Cast Aluminum alloy with baked thermoset powder coat finish. Use with 12V and 120V fixtures.
1 LED Hardscape Bracket  .66" W .6" H 3" L	15716 SS	For use with fixtures: 15744 or 15734 Brackets mount to parallel surfaces and hold fixture in place. For use in hardscape installations where the masonry plate cannot be used or in non-hardscape applications where there is no or inadequate overhang surface area. Mounting hardware included.

Mounting Accessories	Item Number	Notes
3 LED Flat Mounting Bracket  .66" W .6" H 6.9" L	15717 SS	Brackets mount to parallel surfaces and hold fixture in place. For use in hardscape installations where the masonry plate cannot be used or in non-hardscape applications where there is no, or an inadequate, overhang surface area. Mounting hardware included.
6 LED Flat Mounting Bracket  .66" W .6" H 12.9" L	15718 SS	Brackets mount to parallel surfaces and hold fixture in place. For use in hardscape installations where the masonry plate cannot be used or in non-hardscape applications where there is no, or an inadequate, overhang surface area. Mounting hardware included.
9 LED Flat Mounting Bracket  .66" W .6" H 18.9" L	15719 SS	Brackets mount to parallel surfaces and hold fixture in place. For use in hardscape installations where the masonry plate cannot be used or in non-hardscape applications where there is no, or an inadequate, overhang surface area. Mounting hardware included.
Gutter Mount  2.75" W .75" H 4" L	15489 CBR	Surface mount accessory sits cleanly above a gutter for second story or dormer lighting. Mounting hardware included.
3" Round Mounting Base 	15493 CBR	Simple mounting base for a variety of surfaces. Mounting hardware included.
Male/Female Riser 	3" 15509 CBR 6" 15510 CBR 12" 15511 CBR 18" 15512 CBR 24" 15513 CBR	Dual male and female stems give you height where you need upward extension. No couplers needed.
90° Elbow  .5" W .5" H 2.75" L	15514 CBR	Creates a 90 degree angle which can be used for area or path lighting with an accent light.
Two Fixture Mount  2" W 1" H 2" L	15515 CBR	Two fixture mount allows for up and down lighting, dual fixture sign or wall applications, or area lighting.
Tree Bracket  1.5" W 1.25" H 6" L	15516 CBR	Inexpensive mounting solution for tree or surface mounting applications.

Lens Accessories	Item Number	Notes
Amber Lens 	Integrated LED: 16071 AMB For use with: 16015-16017 16072 AMB For use with: 16018-16020 15875 AMB For use with: 16150-16158	Warms light to an amber hue at around 2500K. Designed specifically for LED lighting
Green Foliage Lens 	Integrated LED: 16071 GRN For use with: 16015-16017 16072 GRN For use with: 16018-16020 15885 GRN For use with: 16150-16158	Intensifies the green color of foliage and is an option for moon lighting for a cooler effect. Designed specifically for LED lighting
Frosted Lens 	Integrated LED: 16071 FRO For use with: 16015-16017 16072 FRO For use with: 16018-16020 15895 FRO For use with: 16150-16158 Retrofit: 15672 FRO For use with: 15382 15676 FRO For use with: 15092, 15384, 15484, 15494 15633 FRO For use with: 15398 15643 FRO For use with: 15374 15691 FRO For use with: 15381	Creates a soft focus and diffuses the light to provide even, clean illumination
Red Lens 	Integrated LED: 16071 RD For use with: 16015-16017 16072 RD For use with: 16018-16020 15875 RD For use with: 16150-16158	Colorizes the light beam for a holiday red effect.
Holiday Green Lens 	Integrated LED: 16071 HGRN For use with: 16015-16017 16072 HGRN For use with: 16018-16020 15875 HGRN For use with: 16150-16158	Colorizes the light beam for a holiday green effect.
Blue Lens 	Retrofit: 15631 BL For use with: 15398 15641 BL For use with: 15374 15673 BL For use with: 15382 15686 BL For use with: 15092, 15384, 15484, 15485, 15494 15687 BL For use with: 15381 15693 BL For use with: 15397	Brings out the true rich green color in foliage, especially in evergreens.
Linear Lens 	Retrofit: 15674 LIN For use with: 15382 15675 LIN For use with: 15092, 15384, 15484, 15494 15632 LIN For use with: 15398 15642 LIN For use with: 15374 15692 LIN For use with: 15381	Create a directional beam to highlight or elongate the beam spread on columns, arches, taller trees and wider objects. Turns a circular accent light beam into a rectangular shape.

Lens/Shield Accessories	Item Number	Notes
Polycarbonate Lens 	Integrated LED: 15677 CLR For use with: 15827 15695 CLR For use with: 15815 Retrofit: 15695 CLR For use with: 15315	Provides additional internal protection from lawn sprinklers, etc.
Heat-Resistant Lens 	Retrofit: 15659 AZT For use with: 15079 15689 BK For use with: 15088, 15388	Heat-resistant glass lens held in an aluminum ring.
Cowl - Polycarbonate  2.5"	16050 BBRP For use with: 16030-16038	Feature water-weeping channels for drainage. Easy, two-screw installation.
Cowl - Cast Brass  2.5"	16050 BBR For use with: 16030-16038	Feature water-weeping channels for drainage. Easy, two-screw installation.
Small Long Cowl  2.4"	16067 AZT, BKT, CBR For use with: 16015-16017	Ideal solution for downlighting where increased glare control is needed.
Large Long Cowl  5.75"	16068 AZT, BKT, CBR For use with: 16018-16020	Ideal solution for downlighting where increased glare control is needed.
Small 360° Cowl  1.8"	16069 AZT, BKT, CBR For use with: 16015-16017	Full cut-off shrouding for expanded glare control at all viewing angles.
Large 360° Cowl  4.4"	16074 AZT, BKT, CBR For use with: 16018-16020	Full cut-off shrouding for expanded glare control at all viewing angles.
Long Cowl  5.8"	16076 AZT, BKT, CBR For use with: 16150-16158	Ideal solution for downlighting where increased glare control is needed.

Shield Accessories	Item Number	Notes
Rock Guard - Polycarbonate 	16051 BBRP For use with: 16030-16038	Feature water-weeping channels for drainage. Easy, two-screw installation. Walk-over rated.
Rock Guard - Cast Brass 	16051 BBR For use with: 16030-16038	Drive-over and walk-over rated up to 4,500 lbs.
Rock Guard 5.9" Dia. 1.686" H 	Integrated LED: 15787 BK For use with: 15767, 15769, 15728, 15748, 15729, 15757, 15758	Rock Guard/Glare Shield accessory for LED well lights. High-strength, UV and corrosion-resistant polycarbonate housing. Black Polycarbonate finish.
6.97" Dia. 1.29" H 	Retrofit: 15694 AZ For use with: 15194, 15268	Rock Guard/Glare Shield corrosion-resistant for use with incandescent well lights. Architectural Bronze polycarbonate finish.
5.9" Dia. 1.686" H 	Retrofit: 15690 BK For use with: 15088, 15388	Rock Guard/Glare Shield accessory for incandescent well lights. High-strength, UV and corrosion-resistant polycarbonate housing. Black polycarbonate finish.
Rock Guard - Solid Brass with Clear Lens 4.5" Dia. 1" H 	Retrofit: 15482 CBR For use with: 15481	Rock Guard/Glare Shield accessory for Centennial Brass in-ground fixture. Optional clear lens provided.
Hexcell Louver 	Retrofit: 15634 BK For use with: 15398 15644 BK For use with: 15374 15679 BK For use with: 15092, 15384, 15484, 15494 15680 BK For use with: 15381 15683 BK For use with: 15397	Expanded aluminum shield with high temperature black finish. Provides maximum glare reduction for accent lights.
	Integrated LED: 16073 BK For use with: 16015-16017 16075 BK For use with: 16018-16020	
	FM127265 For use with: 15810, 15811, 15826, 15839, 15850, 15870, 16120, 16121, 16125	For glare control if on extreme elevations. Held in place with included reflector. For use with LED Path Lights utilizing the downward module.

LED Controller Accessories	Item Number	Notes
Remote  3.93" L 1.33" W 	16080 BK	Allows the user to independently control lighting zones based on pre-defined programs. This enables the homeowner to temporarily override schedules on individual zones by turning the lights on/off at any given time. Can also be used as a secondary programmer.
Range Extender  1.83" L 1.83" W 	16081 WH	Allows for wireless range extension (additional 300 ft.) between wireless devices (ex. power supply-to-power supply) Plugs into any standard 120V outlet (dry location, indoors only).
Wire EZPull 250' Boxes 	16088 BK - #14-2 Wire 16089 BK - #16-2 Wire	14 and 16 gauge direct burial wire can now be used with Kichler's Design Pro LED Controller. Available in 250' EZ Pull boxes for added convenience. To be used only with the Design Pro LED Controller. See Kichler DC voltage drop calculator to calculate wire runs.
Vera™ Edge 	16082 BK	Allows for wireless app control and advanced schedules with plug in relays and Design Pro LED Controllers.
Vera™ Plus 	16083 BK	Allows for wireless app control and advanced schedules with plug in relays and Design Pro LED Controllers.

Transformer Accessories	Item Number	Notes
Mechanical Transformer Timer 3" W 3.09" H 2.75" L 	15557 BK	Plug-in timer suitable for outdoor temperatures when enclosed in an outdoor transformer enclosure. For use in all Professional, Contractor & Plus series transformers.
Digital Transformer Timer 2.73" W 3.84" H 1.89" L 	15556 WH	Plug-in digital timer for use in all Professional, Contractor & Plus series transformers. Battery backup included. Straight forward programming and easy day light savings change over.
Plug-in Transformer Remote Photocell 	15534 BK	Plug-in photocell with 10' cord is for use in all Professional, Contractor & Plus series transformers.
Plug-in Transformer Photocell 	15565 BK	Plug-in photocell is for use in all Professional, Contractor & Plus series transformers.
Synchronizer Device 	15511 BK	Synchronize all transformers used in a landscape setting so they turn on and off at the same time. Jumper wire (not included) should be a minimum of 24 gauge.

Connection Accessories	Item Number	Notes
Low-Voltage Cable 	15501 BK 100' 12-gauge 15502 BK 250' 12-gauge 15503 BK 250' 8-gauge 15504 BK 250' 10-gauge 15505 BK 500' 12-gauge 15506 BK 1000' 12-gauge	#12-2, #10-2, 8-2 conductor SPT cable. UL listed for 12V outdoor lighting applications. UV stabilized PVC insulation. For direct burial.
Gel-Filled Wire Connector 	15579 BK - blue 8 & 10-gauge cable 15589 BK - red 12-gauge cable	Wire connector offers one-step, twist-on, waterproof, in-line cable splicing for direct burial. Services both 12V or 120V line voltage.
QUIK DISC® Connector 	15509 BK	For use with #12-2 or #10-2 low-voltage cable only. Joins #18-2 SPT-1W fixture leads with #12-2 or #10-2 low-voltage cable. Injection molded polycarbonate with nickel-plated brass contacts to provide maximum corrosion protection and improved conductivity.
Pro Series Wire Connector 	15529 BL	Bulk pack of 100 connectors, packed in sealed bags of 10. Gel-filled wire connector provides watertight long-lasting connection. Suitable for direct burial. Connects two #12 gauge to one #18 gauge. Two connectors required per connection.
Low-Voltage Power Conditioner (LVPC) 	16059 BK	Master pack of 5. Protects against electrical spikes and power irregularities. Ensures safe power levels to fixture. Precautionary sacrificial barrier in the event of surges over 3000 volts. For use with all LED 12V products.

Installation Accessories	Item Number	Notes
Kichler Landscape Flag Marker 	15507 ONG	A great tool for designing your landscape lighting system. Plot out your landscape lighting needs with these green marker flags.
Corrosion Preventative Compound 	15670 BK	Specially formulated, non-conductive sealant and corrosion preventative for all types of electrical contacts. Its grease-like consistency helps prevent intrusion of dust, moisture and rust. Apply to socket shell and bulb base. Acts to increase bulb and socket life. 2-oz. tube.

120V Lighting

Kichler® 120V integrated LED and incandescent lighting is available in accent, flood and in-ground options for a variety of new or retrofit commercial landscape lighting applications. Each offers exceptional durability, a clear and clean quality of light, sleek designs, and incredible energy savings: all while keeping your project budget in line.

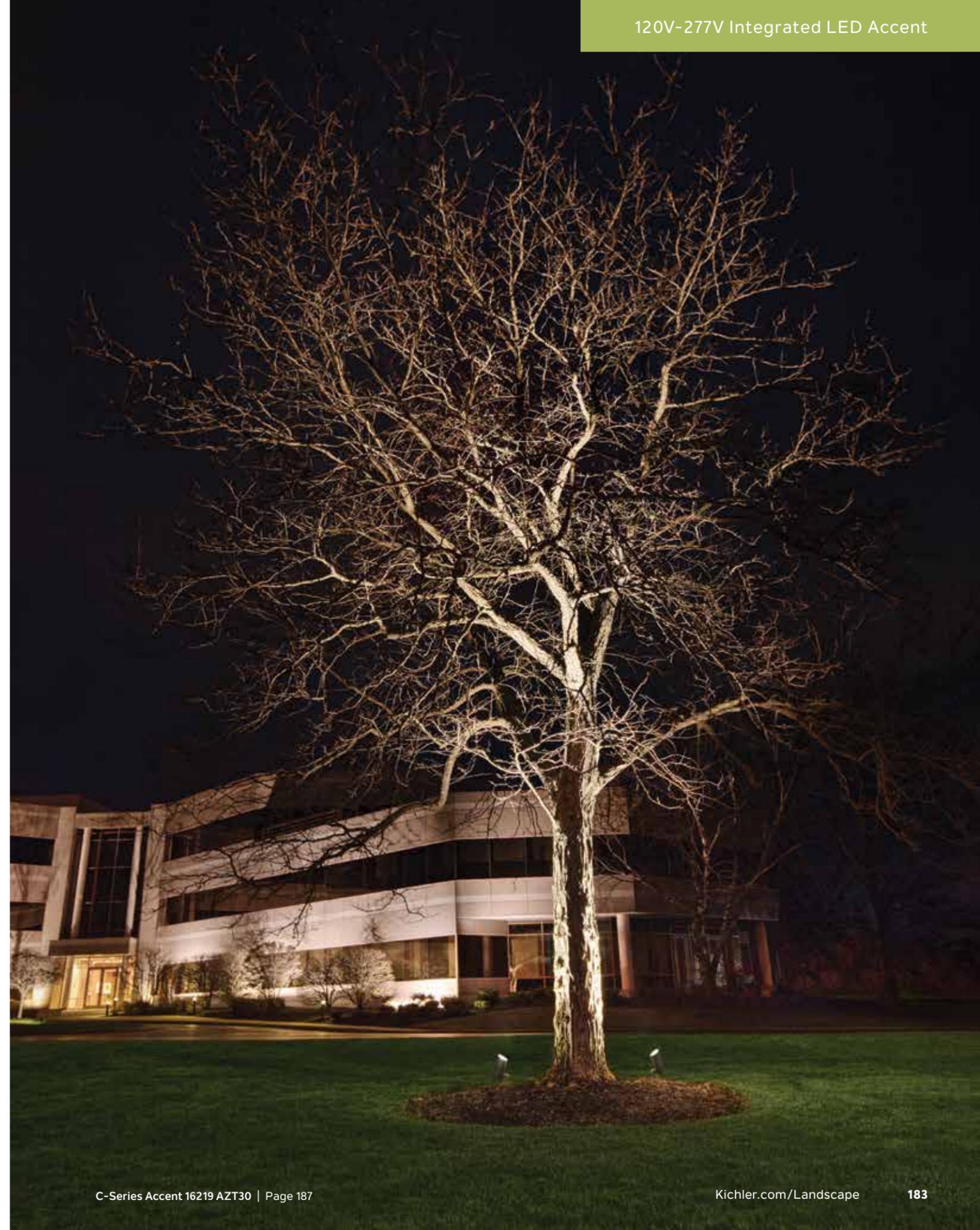




120V-277V Accent

Integrated LED C-Series (Commercial)

You can count on our LED fixtures to pay for themselves on average in less than two years with a lower cost of ownership than traditional light sources. Incandescent options provide additional solutions to meet client demands.



LED Commercial Outdoor Lighting that lives up to the Kichler name – and your reputation.

ACCENT & FLOOD LIGHTING

Center-to-edge optics

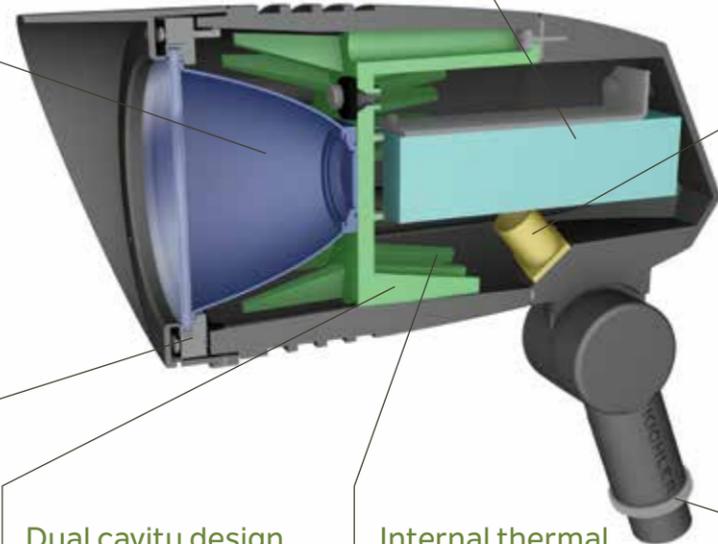
C-Series Accents and Floods offer center-to-edge optics for precise and uniform beam spread with no artifacts. In addition, each fixture is designed with 3-step binning to deliver a consistent color from fixture to fixture.

Potted driver

is fully potted to protect against water ingress, which ensures long-lasting performance.

Plugged knuckle cavity with strain relief

and internal cord grip system prevents movement to reinforce a secure connection at the source.



Multi-layer front lens seal

ensures a moisture-resistant seal.

Dual cavity design

with cast aluminum housing divided into two independent compartments to protect the optical chamber and the LED from the operating heat of the driver.

Internal thermal management

happens with internal cast heat sinking to repel heat from the driver to maximize lifetime and performance.

Machined threads and lock nuts for simple installations and adjustability.

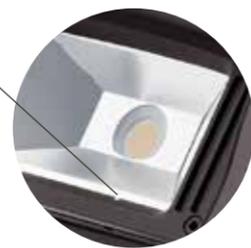
Durable knuckle

with deep grooved teeth for stronger engagement that is less likely to wear down.



Built-in draining

designed to prevent water from pooling on the face of the fixture.



The sturdy design of the Kichler C-Series line delivers years of quality light performance.

Exceptionally Engineered

The C-Series line provides 120V-277V universal voltage from one fixture and contains built-in surge protection (4kV). The durable knuckle features clean-cut, deep ridges for a stronger engagement and comes equipped with vandal-resistant hardware for extended durability. And, our sleek designs feature die-cast, all-metal housings finished with a polyester powder coating that stands up to environmental demands.

Designed for Performance

Our C-Series LED fixtures feature the latest in LED technology with center-to-edge optics for a precise beam spread that is uniform and crisp. Our 3-step binning process also assures the color you choose – 3000K or 4000K – is consistent from fixture to fixture.



Sleek and coordinating designs



Thick-gauge, cast metal housings



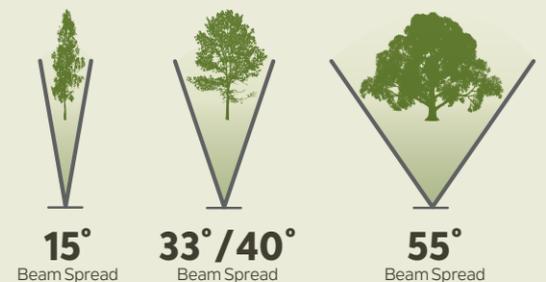
Textured powder coat finish



Center-to-edge optics

These integrated fixtures come in a variety of beam spreads.

Use the 15-degree beam spread for tall, thin applications, 40-degree for medium height and width elements, and 55-degree for short, wide beams on broad structures or trees.



C-Series Accent



	Small Accent – 5.3W		Small Accent – 10W	
Finishes	AZT (shown), BKT		BKT (shown), AZT	
Color Temperature	3000K - Pure White	4000K - Cool White	3000K - Pure White	4000K - Cool White
Item Number by Beam Spread and Finish	15° Beam Spread 16209 AZT30 16209 BKT30	15° Beam Spread 16209 AZT40 16209 BKT40	15° Beam Spread 16212 AZT30 16212 BKT30	15° Beam Spread 16212 AZT40 16212 BKT40
	40° Beam Spread 16210 AZT30 16210 BKT30	40° Beam Spread 16210 AZT40 16210 BKT40	40° Beam Spread 16213 AZT30 16213 BKT30	40° Beam Spread 16213 AZT40 16213 BKT40
	55° Beam Spread 16211 AZT30 16211 BKT30	55° Beam Spread 16211 AZT40 16211 BKT40	55° Beam Spread 16214 AZT30 16214 BKT30	55° Beam Spread 16214 AZT40 16214 BKT40
Housing	Cast Aluminum		Cast Aluminum	
Wattage/pf, Delivered Lumens & Efficacy	5.3W, .9pf 478 lm, 93 lm/W	5.3W, .9pf 514 lm, 100 lm/W	10W, .9pf 831 lm, 82 lm/W	10W, .9pf 942 lm, 91 lm/W
CRI	80+		80+	
Voltage Range	120V-277V, 50-60Hz. Surge protection up to 4kV.			
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Custom reflector optics. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Notes	Replaces the equivalent of a 35W Halogen. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal-proof hardware installed. Photometrics on page 218.		Replaces the equivalent of a 50W Halogen. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal-proof hardware installed. Photometrics on page 218.	
Accessories	15276 Power Post® 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket 15645, 15656, 15657, 15658 Stems			
Dimensions				

	Large Accent – 14.3W		Large Accent – 21W	
Finishes	AZT (shown), BKT		BKT (shown), AZT	
Color Temperature	3000K - Pure White	4000K - Cool White	3000K - Pure White	4000K - Cool White
Item Number by Beam Spread and Finish	15° Beam Spread 16215 AZT30 16215 BKT30	15° Beam Spread 16215 AZT40 16215 BKT40	15° Beam Spread 16218 AZT30 16218 BKT30	15° Beam Spread 16218 AZT40 16218 BKT40
	33° Beam Spread 16216 AZT30 16216 BKT30	33° Beam Spread 16216 AZT40 16216 BKT40	33° Beam Spread 16219 AZT30 16219 BKT30	33° Beam Spread 16219 AZT40 16219 BKT40
	55° Beam Spread 16217 AZT30 16217 BKT30	55° Beam Spread 16217 AZT40 16217 BKT40	55° Beam Spread 16220 AZT30 16220 BKT30	55° Beam Spread 16220 AZT40 16220 BKT40
Housing	Cast Aluminum		Cast Aluminum	
Wattage/pf, Delivered Lumens & Efficacy	14W, .9pf 1263 lm, 90 lm/W	14W, .9pf 1374 lm, 96 lm/W	21W, .9pf 2015 lm, 97 lm/W	21W, .9pf 2111 lm, 99 lm/W
CRI	80+		80+	
Voltage Range	120V-277V, 50-60Hz. Surge protection up to 4kV.			
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Custom reflector optics. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Notes	Replaces the equivalent of a 90W Halogen. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal-proof hardware installed. Photometrics on page 218.		Replaces the equivalent of a 35W Metal Halide. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal-proof hardware installed. Photometrics on page 218.	
Accessories	15276 Power Post® 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket 15645, 15656, 15657, 15658 Stems			
Dimensions				

Accent



	Small Accent – 12.5W				Large Accent – 19.5W			
Finish	BBR				BBR			
Color Temperature	3000K - Pure White		4250K - Cool White		3000K - Pure White		4250K - Cool White	
Item Number by Beam Spread and Finish	10° Beam Spread 16200 BBR30		10° Beam Spread 16200 BBR40		10° Beam Spread 16202 BBR30		10° Beam Spread 16202 BBR40	
	35° Beam Spread 16201 BBR30		35° Beam Spread 16201 BBR40		35° Beam Spread 16203 BBR30		35° Beam Spread 16203 BBR40	
	60° Beam Spread 16206 BBR30		60° Beam Spread 16206 BBR40		60° Beam Spread 16207 BBR30		60° Beam Spread 16207 BBR40	
Housing	Cast Brass				Cast Brass			
Wattage/VA, Delivered Lumens & Efficacy	12.5W .13VA, .85pf	590 lm 47 lm/W	12.5W .13VA, .85pf	646 lm 52 lm/W	19.5W .18VA, .90pf	947 lm 49 lm/W	19.5W .18VA, .90pf	993 lm 51 lm/W
CRI	80+				80+			
Voltage Range	108V-132V, 50-60Hz. Surge protection up to 4kV.							
Light Source	5 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.				8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Notes	Replaces the equivalent of a 50W Halogen. IP66 rated. Brass will naturally patina over time.				Replaces the equivalent of a 75W Halogen. IP66 rated. Brass will naturally patina over time.			
Accessories	15276 Power Post® 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket 15645, 15656, 15657, 15658 Stems							
Dimensions								

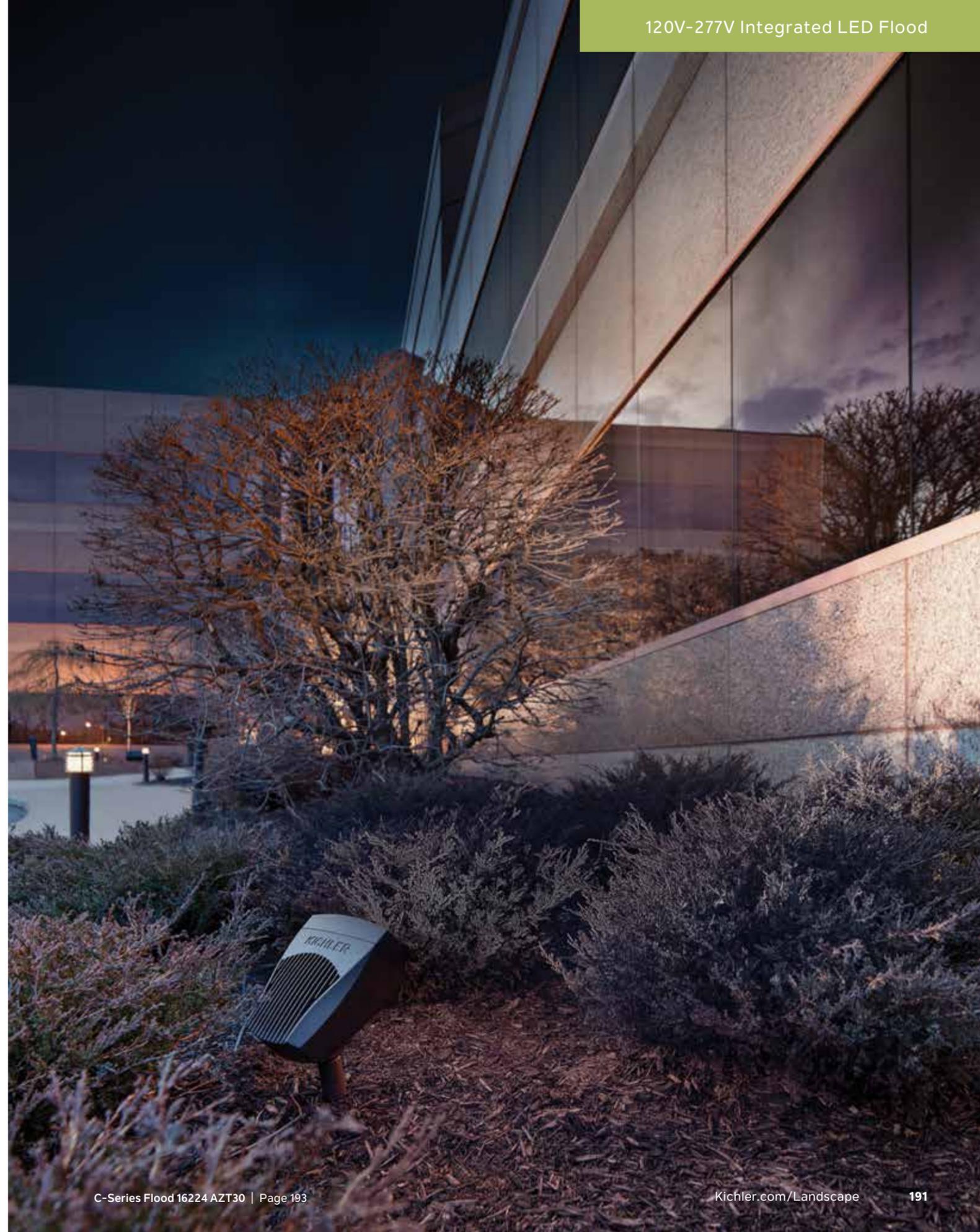
	Large Accent – 29W			
Finish	BBR			
Color Temperature	3000K - Pure White		4250K - Cool White	
Item Number by Beam Spread and Finish	10° Beam Spread 16204 BBR30		10° Beam Spread 16204 BBR40	
	35° Beam Spread 16205 BBR30		35° Beam Spread 16205 BBR40	
	60° Beam Spread 16208 BBR30		60° Beam Spread 16208 BBR40	
Housing	Cast Brass			
Wattage/VA, Delivered Lumens & Efficacy	29W .27VA, .90pf	1131 lm 39 lm/W	29W .27VA, .90pf	1368 lm 47 lm/W
CRI	80+			
Voltage Range	108V-132V, 50-60Hz. Surge protection up to 4kV.			
Light Source	8 integrated high-output LEDs with 3-step binning for color consistency. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Notes	Replaces the equivalent of a 100W Halogen. IP66 rated. Brass will naturally patina over time.			
Accessories	15276 Power Post® 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket 15645, 15656, 15657, 15658 Stems			
Dimensions				



120V-277V Flood

Integrated LED C-Series (Commercial)

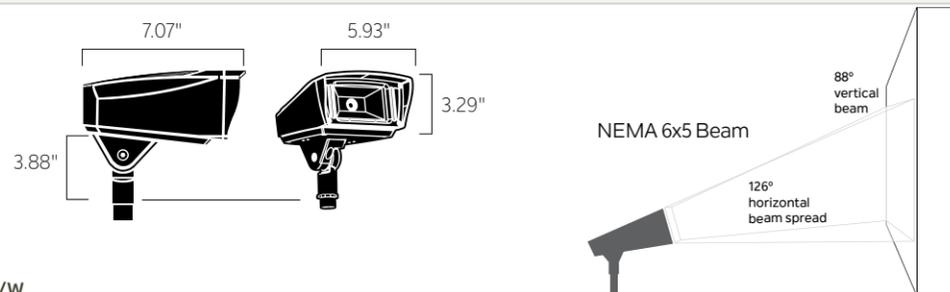
Optimum performance for large areas. Bring a full wash of light to large features: marquee signs, walls, fountains and more.



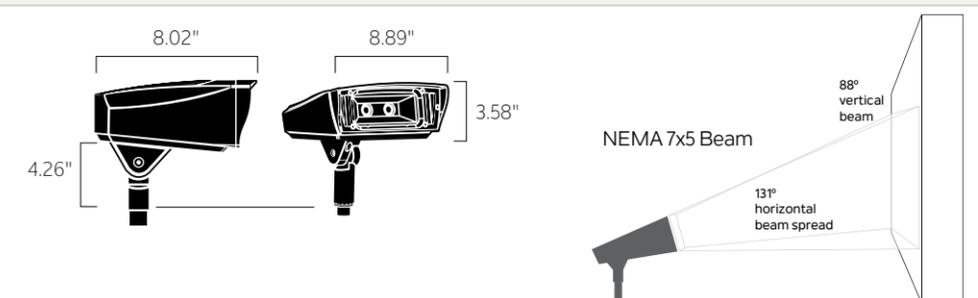
C-Series Flood



	Small Flood – 12W		Small Flood – 23W	
Finishes	AZT (shown), BKT		BKT (shown), AZT	
Color Temperature	3000K - Pure White	4000K - Cool White	3000K - Pure White	4000K - Cool White
Item Number by Mounting Type and Finish	Knuckle Mount: 16221 AZT30 16221 BKT30	Knuckle Mount: 16222 AZT40 16221 BKT40	Knuckle Mount: 16222 AZT30 16222 BKT30	Knuckle Mount: 16222 AZT40 16222 BKT40
	Trunnion Mount: 16221 AZT30TR 16221 BKT30TR	Trunnion Mount: 16221 AZT40TR 16221 BKT40TR	Trunnion Mount: 16222 AZT30TR 16222 BKT30TR	Trunnion Mount: 16222 AZT40TR 16222 BKT40TR
	Slip-Fit Mount: 16221 AZT30SL 16221 BKT30SL	Slip-Fit Mount: 16221 AZT40SL 16221 BKT40SL	Slip-Fit Mount: 16222 AZT30SL 16222 BKT30SL	Slip-Fit Mount: 16222 AZT40SL 16222 BKT40SL
Housing	Cast Aluminum		Cast Aluminum	
Wattage/pf, Delivered Lumens & Efficacy	12W, .9pf 1120 lm, 89 lm/W	12W, .9pf 1210 lm, 100 lm/W	23W, .9pf 2050 lm, 86 lm/W	23W, .9pf 2080 lm, 89 lm/W
CRI	80+		80+	
Voltage Range	120V-277V, 50-60Hz. Surge protection up to 4kV			
Light Source	1 integrated high-output LED with 3-step binning for color consistency. Custom reflector optics. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Notes	Replaces the equivalent of a 75W Halogen. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal proof hardware installed. Photometrics on page 218.		Replaces the equivalent of a 35W Metal Halide. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal proof hardware installed. Photometrics on page 218.	
Accessories	15276 Power Post® 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket 15645, 15656, 15657, 15658 Stems			



	Medium Flood – 33.5W		Medium Flood – 52W	
Finishes	AZT (shown), BKT		BKT (shown), AZT	
Color Temperature	3000K - Pure White	4000K - Cool White	3000K - Pure White	4000K - Cool White
Item Number by Mounting Type and Finish	Knuckle Mount: 16223 AZT30 16223 BKT30	Knuckle Mount: 16223 AZT40 16223 BKT40	Knuckle Mount: 16224 AZT30 16224 BKT30	Knuckle Mount: 16224 AZT40 16224 BKT40
	Trunnion Mount: 16223 AZT30TR 16223 BKT30TR	Trunnion Mount: 16223 AZT40TR 16223 BKT40TR	Trunnion Mount: 16224 AZT30TR 16224 BKT30TR	Trunnion Mount: 16224 AZT40TR 16224 BKT40TR
	Slip-Fit Mount: 16223 AZT30SL 16223 BKT30SL	Slip-Fit Mount: 16223 AZT40SL 16223 BKT40SL	Slip-Fit Mount: 16224 AZT30SL 16224 BKT30SL	Slip-Fit Mount: 16224 AZT40SL 16224 BKT40SL
Housing	Cast Aluminum		Cast Aluminum	
Wattage/pf, Delivered Lumens & Efficacy	33W, .9pf 3285 lm, 99 lm/W	33W, .9pf 3495 lm, 104 lm/W	50W, .9pf 4496 lm, 89 lm/W	50W, .9pf 4795 lm, 92 lm/W
CRI	80+		80+	
Voltage Range	120V-277V, 50-60Hz. Surge protection up to 4kV		120V-277V, 50-60Hz. Surge protection up to 4kV	
Light Source	2 integrated high-output LEDs with 3-step binning for color consistency. Custom reflector optics. Tested to a Lumen Maintenance L70 of 40,000 hrs.			
Notes	Replaces the equivalent of a 70W Metal Halide. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal proof hardware installed. Photometrics on page 218.		Replaces the equivalent of a 100W Metal Halide. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal proof hardware installed. Photometrics on page 218.	
Accessories	15276 Power Post® 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket 15656, 15657, 15658 Stems			



C-Series Flood



C-Series Delivers

The C-Series Floods offer a post with photoeye option and .5" Knuckle, Slip-Fit or Trunnion mounting capabilities.



Knuckle Mount
.5" NPSM trade size fittings



Slip-Fit Mount (SL)
2" trade size for post mount

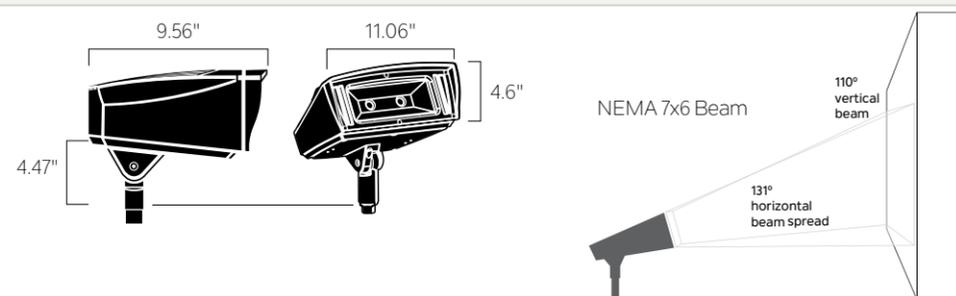


Trunnion Mount (TR)
Surface mount for variety of different mounting options.

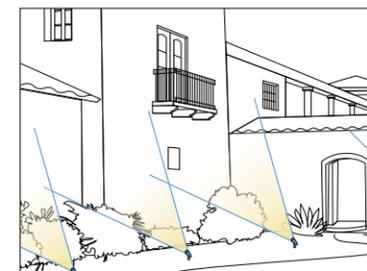
Accessories:
15276 Power Post®
15601 Surface Mounting Flange
15609 Junction Box Mounting Bracket
15645, 15656, 15657, 15658 Stems

Large Flood – 85W

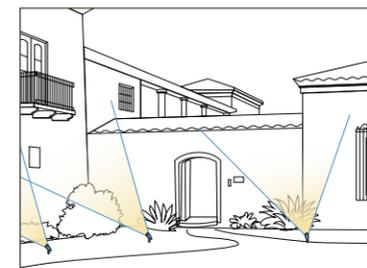
Finishes	AZT (shown), BKT		Additional Finishes
Color Temperature	3000K - Pure White	4000K - Cool White	 BKT
Item Number by Mounting Type and Finish	Knuckle Mount: 16225 AZT30 16225 BKT30	Knuckle Mount: 16225 AZT40 16225 BKT40	
	Trunnion Mount: 16225 AZT30TR 16225 BKT30TR	Trunnion Mount: 16225 AZT40TR 16225 BKT40TR	
	Slip-Fit Mount: 16225 AZT30SL 16225 BKT30SL	Slip-Fit Mount: 16225 AZT40SL 16225 BKT40SL	
Housing	Cast Aluminum		
Wattage/pf, Delivered Lumens & Efficacy	85W, .9pf 7529 lm, 89 lm/W	85W, .9pf 8613 lm, 102 lm/W	
CRI	80+		
Voltage Range	120V-277V, 50-60Hz. Surge protection up to 4kV		
Light Source	2 integrated high-output LEDs with 3-step binning for color consistency. Custom reflector optics. Tested to a Lumen Maintenance L70 of 40,000 hrs.		
Notes	Replaces the equivalent of a 200W Metal Halide. Comes with 3 gel-filled wire nuts. IP66 rated. Vandal proof hardware installed. Photometrics on page 218.		
Accessories	15276 Power Post® 15601 Surface Mounting Flange 15609 Junction Box Mounting Bracket 15645, 15656, 15657, 15658 Stems		



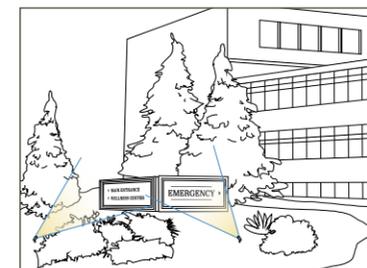
C-Series ACCENT LIGHTS are ideal for:



Between Windows

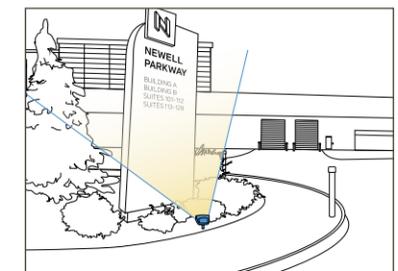


Entry-Way Architecture

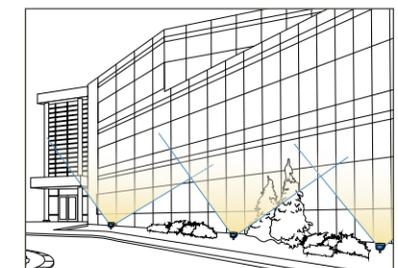


Signage

C-Series FLOOD LIGHTS are ideal for:



Large Signage



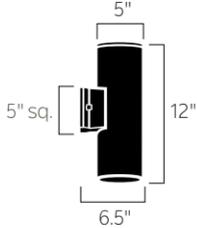
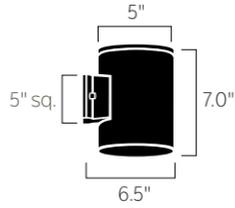
Wall Wash

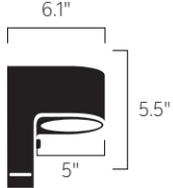


Large Fountain

Outdoor Wall Lights



	Outdoor Up & Down Lantern					Outdoor Lantern																												
Finishes	BKT (shown), AZT		Additional Finishes			AZT (shown), BKT		Additional Finishes																										
Color Temperature	3000K - Pure White					3000K - Pure White																												
Item Number and Finish	11251 AZT30 11251 BKT30		 AZT			11250 AZT30 11250 BKT30		 BKT																										
Housing	Cast Aluminum with powder coat finish and polycarbonate top shield					Cast Aluminum with powder coat finish																												
Power Usage at 120V AC Input VA and Watts	15W					11W																												
CRI	90+					90+																												
Voltage Range	120V-277V AC, 50-60 Hz					120V-277V AC, 50-60 Hz																												
Light Source	Integrated high-output LEDs and drivers. Tested to a Lumen Maintenance L70 of 40,000 hrs.					Integrated high-output LEDs and drivers. Tested to a Lumen Maintenance L70 of 40,000 hrs.																												
Delivered Lumens & Efficacy	550 lm		37 lm/W			350 lm		32 lm/W																										
Wiring	8" of usable 105°C, 18 AWG wire leads					8" of usable 105°C, 18 AWG wire leads																												
Notes	 Energy-efficient					  Perfect for Dark Sky applications and energy-efficient.																												
Dimensions																																		
Photometrics	<table border="1"> <tr> <th>Distance from Light (ft.)</th> <td>4.2'</td> <td>8.4'</td> <td>12.5'</td> <td>16.7'</td> <td>20.9'</td> </tr> <tr> <th>Foot-candles</th> <td>52.1</td> <td>13</td> <td>5.8</td> <td>3.3</td> <td>2.1</td> </tr> </table>					Distance from Light (ft.)	4.2'	8.4'	12.5'	16.7'	20.9'	Foot-candles	52.1	13	5.8	3.3	2.1	<table border="1"> <tr> <th>Distance from Light (ft.)</th> <td>4'</td> <td>8.3'</td> <td>12.4'</td> <td>16.5'</td> <td>20.6'</td> </tr> <tr> <th>Foot-candles</th> <td>50.9</td> <td>12.7</td> <td>5.7</td> <td>3.2</td> <td>2</td> </tr> </table>					Distance from Light (ft.)	4'	8.3'	12.4'	16.5'	20.6'	Foot-candles	50.9	12.7	5.7	3.2	2
Distance from Light (ft.)	4.2'	8.4'	12.5'	16.7'	20.9'																													
Foot-candles	52.1	13	5.8	3.3	2.1																													
Distance from Light (ft.)	4'	8.3'	12.4'	16.5'	20.6'																													
Foot-candles	50.9	12.7	5.7	3.2	2																													

	Outdoor Wall																
Finishes	BKT (shown), AZT				Additional Finishes												
Color Temperature	3000K - Pure White																
Item Number and Finish	11077 AZT 11077 BKT				 AZT												
Housing	Cast Aluminum with powder coat finish																
Power Usage at 120V AC Input VA and Watts	15W																
CRI	80+																
Voltage Range	120V-277V AC, 50-60 Hz																
Light Source	Integrated high-output LEDs and drivers. Tested to a Lumen Maintenance L70 of 40,000 hrs.																
Delivered Lumens & Efficacy	400 lm		27 lm/W														
Wiring	8" of usable 105°C, 18 AWG wire leads																
Notes	  Perfect for Dark Sky applications																
Dimensions																	
Photometrics	<table border="1"> <tr> <th>Distance from Light (ft.)</th> <td>2.7'</td> <td>5.5'</td> <td>8.2'</td> <td>11'</td> <td>13.7'</td> </tr> <tr> <th>Foot-candles</th> <td>82.5</td> <td>20.6</td> <td>9.2</td> <td>5.2</td> <td>3.3</td> </tr> </table>					Distance from Light (ft.)	2.7'	5.5'	8.2'	11'	13.7'	Foot-candles	82.5	20.6	9.2	5.2	3.3
Distance from Light (ft.)	2.7'	5.5'	8.2'	11'	13.7'												
Foot-candles	82.5	20.6	9.2	5.2	3.3												



120V Retrofit Accent

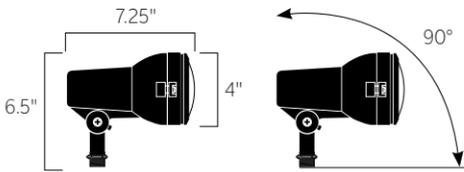
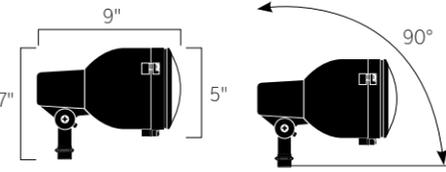
Retrofit with LED Lamps

Choose from retrofit options for a variety of applications. Each delivers the powerful quality of light needed for high-traffic walkways, commercial buildings and retail complexes.

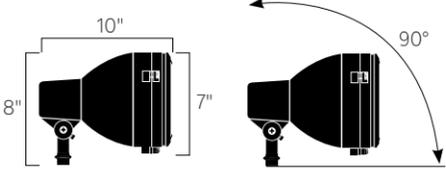
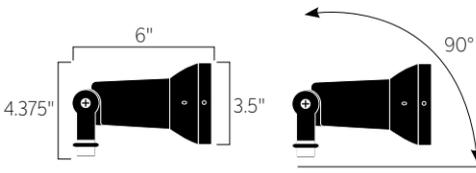


Retrofit Accent



	Small Accent		Medium Accent	
Finishes	AZT (shown), BKT	Additional Finishes	BKT (shown), AZT	Additional Finishes
Item Number and Finish	15231 AZT 15231 BKT		15241 AZT 15241 BKT	
Housing	Cast Aluminum with tempered convex glass lens.		Cast Aluminum with tempered convex glass lens.	
Lamp Base	4000V (4kV) pulse-rated, medium base porcelain socket			
Lamp Options-Power usage at 120V AC input	Incandescent: 35W Max. PAR20 Metal Halide or 50W Max. PAR20/R20 Incandescent	LED: 7W PAR20 Wet (18081-18086) Compares up to 35W Halogen	Incandescent: 35W Max. PAR30L Metal Halide or 75W Max. PAR30L/R30 Incandescent	LED: 12W PAR30L Wet (18111-18116) Compares up to 50W Halogen
Wiring	8" of usable 200°C, 18 AWG wire leads			
Notes	Accents require remote ballasts for High Intensity Discharge. For 120V lamp guide and lamp photometrics, see page 212.			
Accessories	Mounting: 15276 BK Power Post® 15601 Surface Mounting Bracket 15609 Junction Box Mounting Bracket		Lenses: 15640 Medium Cowl 15648 Long Cowl 15624 Blue Filter 15638 Hexcell Louver	
Dimensions				

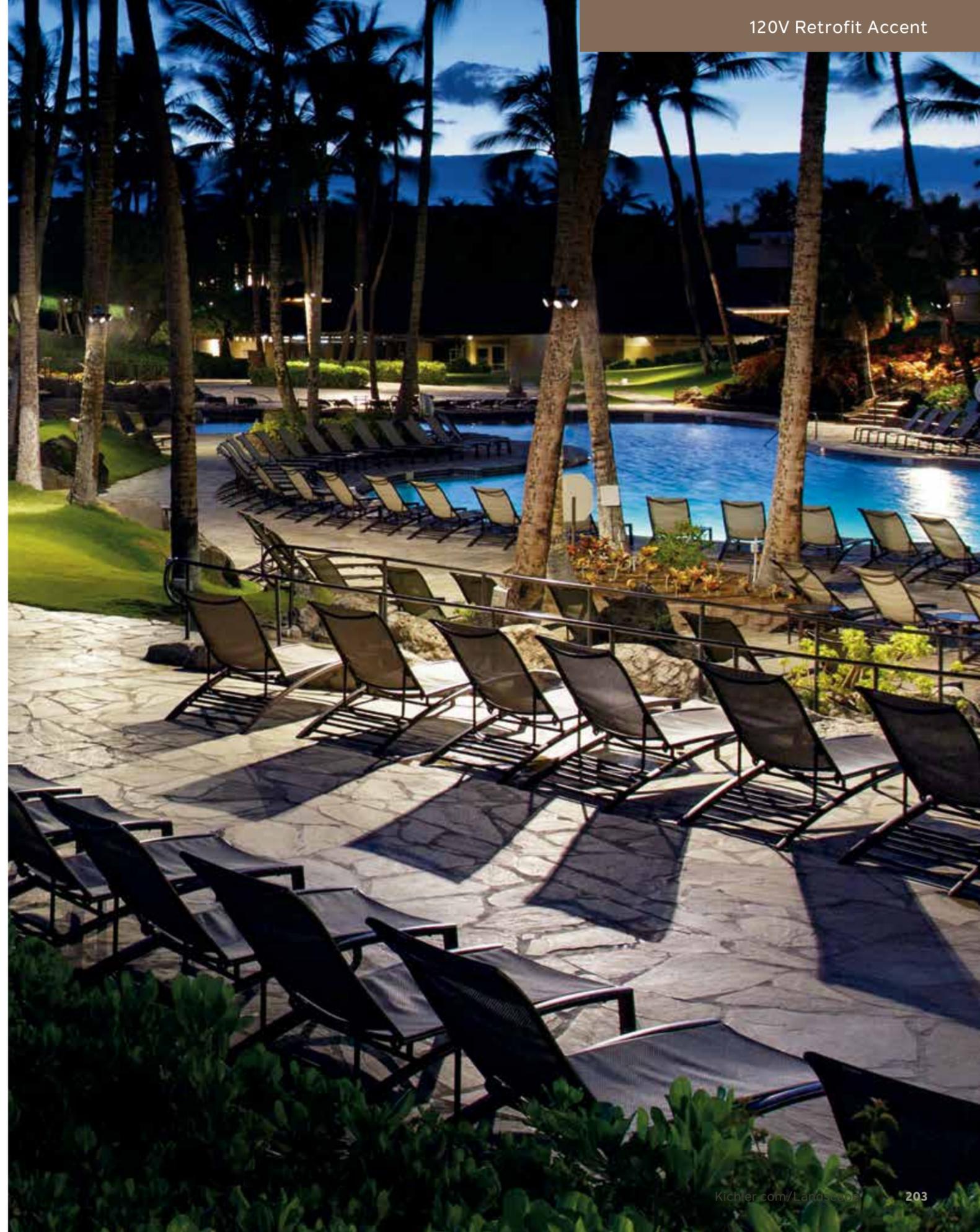


	Large Accent		Small Compact
Finishes	AZT (shown), BKT	Additional Finishes	AZT
Item Number and Finish	15251 AZT 15251 BKT		15230 AZT
Housing	Cast Aluminum with tempered convex glass lens.		Cast Aluminum
Lamp Base	4000V (4kV) pulse-rated, medium base porcelain socket		
Lamp Options-Power usage at 12V AC input	Incandescent: 175W Max. PAR38 Metal Halide, 100W Max. E17 Metal Halide or 150W Max. PAR38/R40 Incandescent. Reflector: for use with E17 lamp. Removable for PAR38/R40 use.	LED: 17W PAR38 Wet (18093-18098) Compares up to 75W Halogen	Incandescent: 35W Max. PAR20 Metal Halide or 50W Max. PAR20 Incandescent
Wiring	8" of usable 200°C, 18 AWG wire leads		
Notes	Accents require remote ballasts for High Intensity Discharge. For 120V lamp guide and lamp photometrics, see page 212.		
Accessories	Mounting: 15276 BK Power Post® 15601 Surface Mounting Bracket 15609 Junction Box Mounting Bracket		
Dimensions	Lenses: 15620 Medium Cowl 15628 Long Cowl		Lenses: 15623 Blue Filter 15637 Hexcell Louver Lenses: 15630 Cowl with tempered glass lens
Dimensions			

Retrofit Accent



	Large Compact	Downlight
Finishes	AZT	AZT
Item Number and Finish	15250 AZT	15255 AZT
Housing	Cast Aluminum	Cast Aluminum
Lamp Base	4000V (4kV) pulse- rated, medium base porcelain socket	
Lamp Options—Power usage at 120V AC input	<p>Incandescent: 100W Max. PAR38 Metal Halide or 100W Max. PAR38 Incandescent</p> <p>LED: 12W PAR30L Wet (18111-18116) Compares up to 50W Halogen</p>	<p>Incandescent: 175W Max. PAR38 Metal Halide, 100W Max. E17 Metal Halide or 150W Max. PAR38/R40 Incandescent Reflector: for use with E17 lamp. Removable for PAR38/R40 use.</p> <p>LED: 17W PAR38 Wet (18093-18098) Compares up to 75W Halogen</p>
Wiring	8" of usable 200°C 18 AWG wire leads	
Notes	Accents require remote ballasts for High Intensity Discharge. For 120V lamp guide and lamp photometrics, see page 212.	Available as surface or tree mounted. Accents require remote ballasts for High Intensity Discharge. For 120V lamp guide and lamp photometrics, see page 212.
Accessories	<p>Mounting: 15276 BK Power Post® 15601 Surface Mounting Bracket 15609 Junction Box Mounting Bracket</p> <p>Lens/Shield: 15620 Medium Cowl 15628 Long Cowl 15623 Blue Filter 15637 Hexcell Louver</p>	<p>Mounting: 15601 Surface Mounting Bracket 15609 Junction Box Mounting Bracket</p> <p>Shield: 15660 Medium Cowl 15668 Long Cowl</p>
Dimensions		



Retrofit In-Ground

120V LED & Incandescent Fixtures



	In-Ground PAR38	Small In-Ground PAR20/PAR30
Finishes	AZ	
Item Number and Finish	15295 AZ	15268 AZ
Housing	Durable thermoplastic composite resin. Tempered convex glass lens fully sealed against water.	
Lamp Base	4000V (4kV) pulse-rated, medium base porcelain socket	
Lamp Options-Power usage at 120V AC input	<p>Incandescent: 150W Max. PAR38 Incandescent</p> <p>LED: 7W PAR20 Wet (18081-18086) Compares up to 35W Halogen 12W PAR30 Wet (18087-18092) Compares up to 50W Halogen 12W PAR30L Wet (18111-18116) Compares up to 50W Halogen</p>	<p>Incandescent: 75W Max. PAR20 or PAR30 Longneck Incandescent</p> <p>LED: 7W PAR20 Wet (18081-18086) Compares up to 35W Halogen 12W PAR30 Wet (18087-18092) Compares up to 50W Halogen 12W PAR30L Wet (18111-18116) Compares up to 50W Halogen</p>
Adjustable Lamp Assembly	15° vertical tilt, 358° rotation with wing-nut locking mechanism	25° vertical tilt, 358° rotation
Notes	Drive over capacity 3,000 lbs. Use with blue lens 15626 BL to intensify green color.	U.S. Patent No. 5,230,559. Korea Patent No. 126459. For use with PAR20 and PAR30 lamps.
Accessories	<p>Mounting: 15608 Concrete Pour Kit (Drive-over) 15616 WH10 Gel Encapsulant 10-pack</p> <p>Lens/Shield: 15626 BL Blue Lens with gasket 15688 Rock Guard</p>	<p>Shield: 15694 AZ Rock Guard</p>
Dimensions		

	In-Ground 70W MH Quad-Tap	
Finishes	AZ	
Item Number and Finish	15266 AZ	
Housing	Durable thermoplastic composite resin. Tempered convex glass lens fully sealed against water.	
Lamp Base	Internal ANSI M98 Metal Halide ballast with 120V, 208V, 240V & 277V taps	
Lamp Options-Power usage at 120V AC input	<p>Incandescent: 70W Max. PAR30 Metal Halide or 70W Max. E17 Metal Halide</p>	<p>LED: 7W PAR20 Wet (18081-18086) Compares up to 35W Halogen 12W PAR30 Wet (18087-18092) Compares up to 50W Halogen 12W PAR30L Wet (18111-18116) Compares up to 50W Halogen</p>
Adjustable Lamp Assembly	15° vertical tilt, 358° rotation with wing-nut locking mechanism	
Notes	Drive-over capacity 3,000 lbs. Use with blue lens 15626 BL to intensify green color.	
Accessories	<p>Mounting: 15608 Concrete Pour Kit (Drive-over) 15616 WH10 Gel Encapsulant 10-pack</p> <p>Lens/Shield: 15626 BL Blue Lens with gasket 15688 Rock Guard</p>	
Dimensions		



120V Retrofit Path & Spread

Retrofit with LED Lamps

Add decorative style to commercial and retail walkways or garden beds with Kichler's durable and on-trend options.



Retrofit Path & Spread



	Three Tier		Large One Tier	
Finishes	BKT (shown), AZT		AZT (shown), BKT	
Item Number and Finish	15205 AZT 15205 BKT		15211 AZT 15211 BKT	
Housing	Cast Aluminum with molded ribbed diffuser of clear UV stabilized high-impact resistant polycarbonate. Mounting stems and bollard kits not included.		Cast Aluminum with molded ribbed diffuser of clear UV stabilized high-impact resistant polycarbonate. Mounting stems and bollard kits not included.	
Lamp Base	120V medium base porcelain socket with nickel plated screw shell		4000V (4KV) pulse rated medium base porcelain socket	
Lamp Options-Power usage at 120V AC input	Incandescent: 75W Max. A19 lamp	LED: A19 Damp Location	Incandescent: Internal ANSI M98 Metal Halide ballast with 120V tap	LED: A19 Damp Location
Wiring	30" of usable 105°C, #18 AWG wire leads		30" of usable 105°C, #18 AWG wire leads	
Notes	Available as stem mount, deck mount or as a bollard. Mounting stems and bollard kits sold separately.		Available as stem mount, deck mount or as a bollard. Mounting stems and bollard kits sold separately.	
Accessories	15645, 15656, 15657 or 15658 Stems 15276 BK Power Post® 15665, 15666 or 15667 Bollard Mounting Kits 15578 Bollard Mounting Stakes		15671 Bollard Template Kit 15601 Surface Mounting Flange (needed for attachment to junction box) 15602 AL Flange Mounting Nipple 15616WH10 Gel Encapsulant 10 pack	
Dimensions				

	Eclipse™		Cross Creek™ Lantern
Finishes	BKT (shown), TZT		AGZ
Item Number and Finish	15236 BKT 15236 TZT		15232 AGZ
Housing	Cast Aluminum with clear glass		Aluminum with textured amber seeded linen glass side panels and clear glass bottom panel
Lamp Base	120V medium base porcelain socket with nickel plated screw shell		120V medium base porcelain socket
Lamp Options-Power usage at 120V AC input	Incandescent: 100W Max. A19 lamp	LED: A19 Damp Location	Incandescent: 25W Max. A19 lamp
Wiring	6" of usable 105°C, #18 AWG wire leads		6" of usable 105°C, #18 AWG wire leads
Notes			U.S. Patent No. D580,084
Accessories	15276 BK Power Post® 15601 Surface Mounting Flange (needed for attachment to junction box)		
Dimensions			

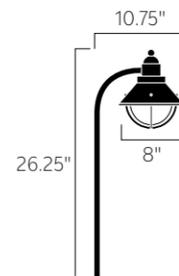
Retrofit Path & Spread



Traditional Marine Lantern

Finishes	OZ	
Item Number and Finish	15239 OZ	
Housing	Brass	
Lamp Base	120V medium base porcelain socket with nickel plated screw shell	
Lamp Options-Power usage at 120V AC input	Incandescent: 25W Max. A19 lamp	LED: A19 Damp Location
Wiring	6" of usable 105°C, 18 AWG wire leads	
Accessories	15276 BK Power Post® 15601 Surface Mounting Flange (needed for attachment to junction box)	

Dimensions



Outdoor

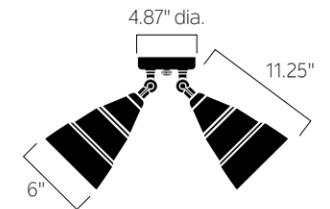
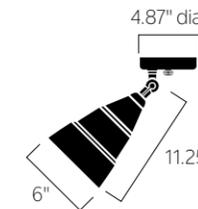


Outdoor Wall

Outdoor Wall 2-Light

Finishes	Outdoor Wall		Outdoor Wall 2-Light	
	AZ (shown), WH	Additional Finishes	WH (shown), AZ	Additional Finishes
Item Number and Finish	6051 AZ 6051 WH	 WH	6052 AZ 6052 WH	 AZ
Housing	Aluminum		Aluminum	
Lamp Base	120V medium base lamp		120V medium base lamp	
Lamp Options-Power usage at 120V AC input	LED only: 12W PAR30 Wet (18087-18092) Compares up to 50W Halogen 12W PAR30L Wet (18111-18116) Compares up to 50W Halogen 17W PAR38 Wet (18093-18098) Compares up to 75W Halogen		LED only: 12W PAR30 Wet (18087-18092) Compares up to 50W Halogen 12W PAR30L Wet (18111-18116) Compares up to 50W Halogen 17W PAR38 Wet (18093-18098) Compares up to 75W Halogen	
Wiring	8" of usable 105°C, 18 AWG wire leads		8" of usable 105°C, 18 AWG wire leads	
Notes	W Uses (1) 120W Max. BR40 or 150W Max. PAR38. For lamp photometrics, see page 212.		W Uses (2) 120W Max. BR40 or 150W Max. PAR38. For lamp photometrics, see page 212.	

Dimensions

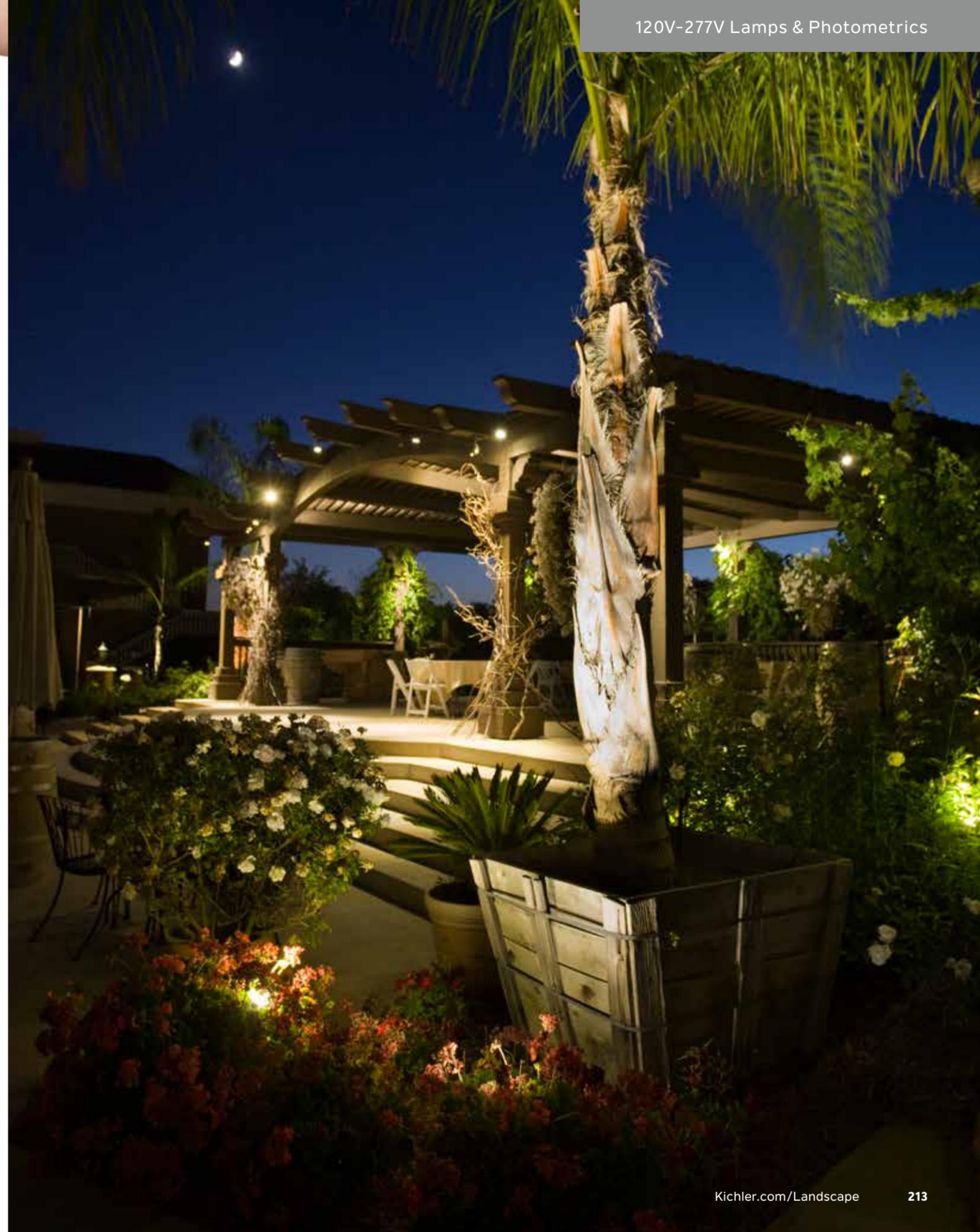




120V-277V Lamps

LED & Incandescent, plus Photometrics

Potted/coated electronics protect against moisture while the cast aluminum construction assures proper thermal management. Operating range from 120V to 277V with 30,000 hour life (in an enclosed fixture) for years of performance.



120V-277V LED LAMPS

Features

- Potted and/or coated electronics protect against moisture
- Operating range from 120V to 277V
- Design & listed for wet location & enclosed fixtures
- Can be used in open fixtures or outdoor sockets
- Cast aluminum heat sink, anodized black, for increased thermal management
- Integrated driver and transformer with high output LEDs tightly binned for high CRI, color uniformity and color quality
- 30,000 hour life in an enclosed fixture
- FCC compliance ensures no interference with other electronic devices
- High total lumens and lumens per watt (efficacy)
- Custom optics deliver center-to-edge beam uniformity and glare reduction
- Interior use as well
- 6-year warranty



PAR20
Wet Location



PAR30
Wet Location

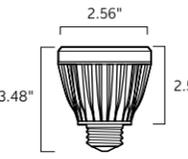
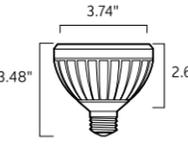
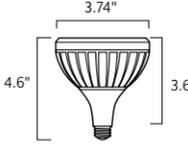
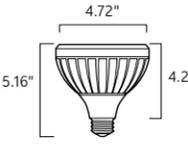


PAR30
Longneck
Wet Location



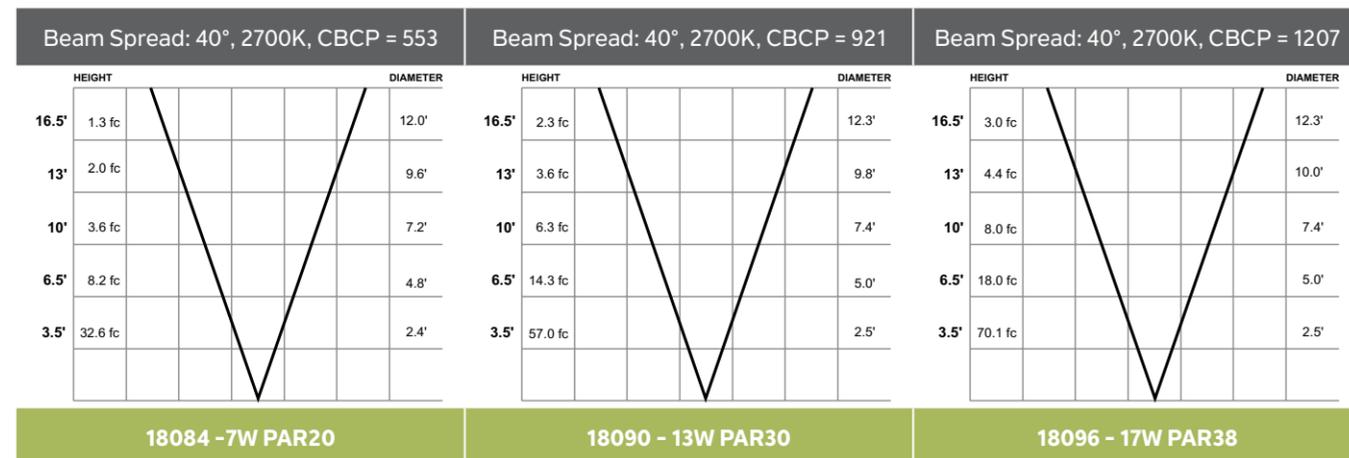
PAR38
Wet Location

120V-277V LED Lamps

LAMP	BASE / LAMP TYPE	WATTS	KELVIN / LUMENS	BEAM ANGLE/ITEM #	
				25° Spot	40° Flood
	PAR20 Wet Location W	7W Compares up to 35W Halogen	2700K – Warm White 310 lm	18081	18084
			3000K – Pure White 330 lm	18082	18085
			4200K – Cool White 350 lm	18083	18086
	PAR30 Wet Location W	12W Compares up to 50W Halogen	2700K – Warm White 580Lm	18087	18090
			3000K – Pure White 610Lm	18088	18091
			4200K – Cool White 640Lm	18089	18092
	PAR30 Longneck Wet Location W	12W Compares up to 50W Halogen	2700K – Warm White 580Lm	18111	18114
			3000K – Pure White 610Lm	18112	18115
			4200K – Cool White 640Lm	18113	18116
	PAR38 Wet Location W	17W Compares up to 75W Halogen	2700K – Warm White 800Lm	18093	18096
			3000K – Pure White 850Lm	18094	18097
			4200K – Cool White 900Lm	18095	18098

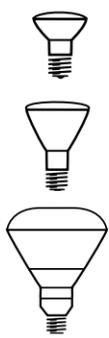
W Wet location versions designed and listed for use in an enclosed or open fixture. Using lamp in enclosed fixtures can result in up to 30-40% loss in lumen output based on test data.

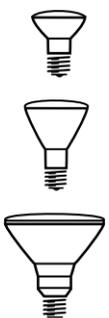
Photometrics: 120V-277V LED Lamps

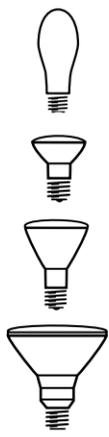


* The curves indicate the illuminated area and the average illumination when the luminaire is at different distances. Stated footcandles are for bare lamps only. For additional photometrics, visit Kichler.com/Landscape

120V Incandescent Lamps (reference only)

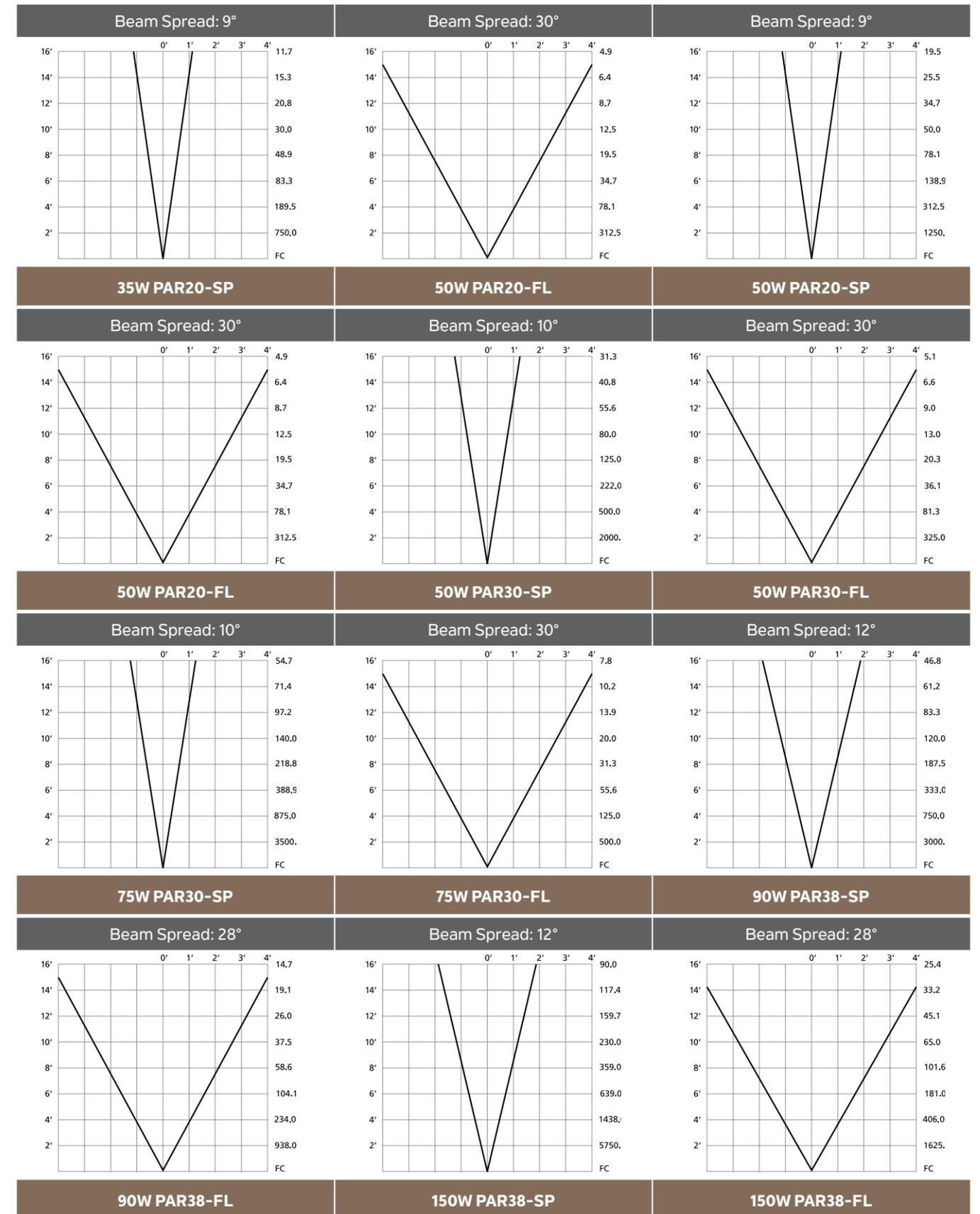
INCANDESCENT	LAMP TYPE	WATTS	BEAM SPREAD	BASE	LUMENS	AVERAGE LIFE (HRS.)
	30R20-SP	30W	Spot	Medium	300	2,000
	30R20-FL	30W	Flood	Medium	300	2,000
	50R20-SP	50W	Spot	Medium	550	2,000
	50R20-FL	50W	Flood	Medium	550	2,000
	75R30-SP	75W	Spot	Medium	770	2,000
	75R30-FL	75W	Flood	Medium	770	2,000
	65R40-SP	65W	Spot	Medium	500	2,000
	65R40-FL	65W	Flood	Medium	500	2,000
	85R40-SP	85W	Spot	Medium	700	2,000
	85R40-FL	85W	Flood	Medium	700	2,000
	120R40-SP	120W	Spot	Medium	1,000	2,000
	120R40-FL	120W	Flood	Medium	1,000	2,000

HALOGEN	LAMP TYPE	WATTS	BEAM SPREAD	BASE	LUMENS	AVERAGE LIFE (HRS)
	30PAR20-SP	35W	9°	Medium	350	2,000
	30PAR20-FL	35W	30°	Medium	350	2,000
	50PAR20-SP	50W	9°	Medium	550	2,000
	50PAR20-FL	50W	30°	Medium	550	2,000
	50PAR30L-SP	50W	10°	Medium	630	2,000
	50PAR30L-FL	50W	30°	Medium	630	2,000
	75PAR30L-SP	75W	10°	Medium	965	2,000
	75PAR30L-FL	75W	30°	Medium	965	2,000
	90PAR38-SP	90W	12°	Medium	1,280	2,500
	90PAR38-FL	90W	28°	Medium	1,280	2,500
	150PAR38-SP	150W	12°	Medium	2,200	2,500
	150PAR38-FL	150W	28°	Medium	2,200	2,500

METAL HALIDE	LAMP TYPE	WATTS	BEAM SPREAD	BASE	LUMENS	AVERAGE LIFE (HRS)
	70-ED17	70W	-	Medium	4,000	10,000
	100-ED17	100W	-	Medium	5,580	10,000
	35PAR20-SP	35W	10°	Medium	2,000	9,000
	35PAR20-FL	35W	30°	Medium	2,000	9,000
	35PAR30L-SP	35W	10°	Medium	2,200	9,000
	35PAR30L-FL	35W	30°	Medium	2,200	9,000
	70PAR30L-SP	70W	10°	Medium	4,850	9,000
	70PAR30L-FL	70W	40°	Medium	4,850	9,000
	70PAR38-SP	70W	15°	Medium	4,800	10,000
	70PAR38-FL	70W	25°	Medium	4,800	10,000
	100PAR38-SP	100W	15°	Medium	6,800	12,500
	100PAR38-FL	100W	25°	Medium	6,800	12,500
	175PAR38-FL	175W	65°	Medium	10,000	7,500

Code: VNSP – Very narrow spot, NSP – Narrow spot, SP – Spot, NFL – Narrow flood, FL – Flood, WFL – Wide flood
 VWFL – Very wide flood, MEDIUM – Medium screwshell
 Note: Lumens and lamp life may vary by manufacturer. Stated lumens are of bare lamp.

Photometrics: 120V-277V Lamps



Note: Foot-candle (FC) values may differ amongst lamp manufacturers.

Photometrics: 120V-277V Integrated LED C-Series

Photometrics: 120V Integrated LED Accent

120V-277V Integrated LED Accent - Small												
Item Number	16209		16210		16211		16212		16213		16214	
Beam Angle	15° Spot		40° Flood		55° Wide Flood		15° Spot		40° Flood		55° Wide Flood	
Ft. Away	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
3.3'	172	1	79.4	2.1	41.1	3.4	321.3	1	137	2.1	76.4	3.3
6.6'	43	1.9	19.9	4.3	10.3	6.8	80.3	1.9	34.3	4.3	19.1	6.5
9.8'	19	2.9	8.8	6.4	4.6	10.2	35.7	2.9	15.2	6.4	8.5	9.8
13.1'	10.8	3.8	5	8.5	2.6	13.6	20.1	3.8	8.6	8.6	4.8	13.1
16.4'	6.9	4.8	3.2	10.6	1.6	17	12.9	4.8	5.5	10.7	3.1	16.3
19.7'	4.8	5.8	2.2	12.8	1.1	20.3	8.9	5.7	3.8	12.9	2.1	19.6
23'	3.5	6.8	1.6	14.9	.8	23.7	6.6	6.7	2.8	15	1.6	22.9
26.3'	2.7	7.7	1.2	17	.6	27.1	5	7.6	2.1	17.2	1.2	26.1
29.5'	2.1	8.7	1	19.1	.5	30.5	4	8.6	1.7	19.3	1	29.4
32.8'	1.7	9.7	.8	21.3	.4	33.9	3.2	9.5	1.4	21.5	.8	32.7

120V Integrated LED Accent												
Item Number	16200		16202		16204		16201		16203		16205	
Beam Angle	10° Spot		10° Spot		10° Spot		35° Flood		35° Flood		35° Flood	
Ft. Away	Foot-candles	Beam Width										
8'	238.9	1.4	313.3	1.6	394.5	1.6	112.6	2.3	153.2	2.5	205.8	2.4
12'	106.2	2.1	139.2	2.4	175.3	2.5	28.1	4.5	38.3	4.9	51.5	4.8
24'	26.5	4.1	34.8	4.9	43.8	4.9	7	9	9.6	9.9	13.2	9.6
36'	11.8	6.2	15.5	7.3	19.5	7.4	3.1	13.6	4.3	14.8	5.9	14.4
48'	6.6	8.3	8.7	9.7	11	9.8	1.8	18.1	2.4	19.8	3.3	19.2
60'	4.2	10.3	5.6	12.1	7	12.3	1.1	22.6	1.5	24.7	2.1	24

120V-277V Integrated LED Accent - Large												
Item Number	16215		16216		16217		16218		16219		16220	
Beam Angle	15° Spot		33° Flood		55° Wide Flood		15° Spot		33° Flood		55° Wide Flood	
Ft. Away	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
3.3'	967.7	.7	244	1.7	115.4	3.3	924.2	.9	324.2	2	165.9	3.2
6.6'	241.9	1.3	61	3.4	28.9	6.5	231	1.7	81.1	4	41.5	6.4
9.8'	107.5	2	27.1	5.2	12.8	9.7	102.7	2.6	36	6	18.4	9.7
13.1'	60.5	2.7	15.2	6.9	7.2	13	57.8	3.5	20.3	8	10.4	12.9
16.4'	38.7	3.4	9.8	8.6	4.6	16.3	37	4.3	13	10	6.6	16.1
19.7'	26.9	4	6.8	10.3	3.2	19.5	25.7	5.2	9	12	4.6	19.3
23'	19.8	4.7	5	12	2.4	22.8	18.9	6.1	6.6	14	3.4	22.5
26.3'	15.1	5.4	3.8	13.7	1.8	26	14.4	6.9	5.1	16	2.6	25.7
29.5'	12	6	3	15.5	1.4	29.3	11.4	7.8	4	18	2	29
32.8'	9.7	6.7	2.4	17.2	1.2	32.5	9.2	8.7	3.2	20	1.7	32.2

Item Number	16206		16207		16208	
Beam Angle	60° Wide Flood		60° Wide Flood		60° Wide Flood	
Ft. Away	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
8'	26	4.2	43.4	4.1	53.5	4.2
12'	6.5	8.4	10.8	8.1	13.4	8.3
24'	1.6	16.9	2.7	16.3	3.4	16.7
36'	.7	25.3	1.2	24.4	1.5	25
48'	.4	33.7	.7	32.6	.8	33.3
60'	.3	42.4	.4	40.7	.5	41.6

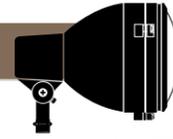
Foot-candle values shown for 4250K color temperature.

120V-277V Integrated LED Flood										
Item Number	16221 - Small		16222 - Small		16223 - Medium		16224 - Medium		16225 - Large	
Beam Angle	NEMA 6x5		NEMA 6x5		NEMA 7x5		NEMA 7x5		NEMA 7x6	
Ft. Away	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
3.3'	37.1	4.9	70.8	4.6	129.7	4	171.6	4.2	155	6.6
6.6'	9.3	9.8	17.7	9.3	32.4	8.2	42.9	8.4	38.7	13.2
9.8'	4.1	14.7	7.9	14	14.4	12.2	19.1	12.6	17.2	19.8
13.1'	2.3	19.6	4.4	18.6	8.1	16.3	10.7	16.8	9.7	26.5
16.4'	1.5	24.5	2.8	23.2	5.2	20.4	6.9	21	6.2	33
19.7'	1	29.4	2	27.9	3.6	24.5	4.8	25.2	4.3	39.7
23'	.8	34.3	1.4	32.5	2.6	28.5	3.5	29.4	3.2	46.3
26.3'	.6	39.2	1.1	37.2	2	32.6	2.7	33.6	2.4	52.9
29.5'	.5	44.1	.9	41.8	1.6	36.7	2.1	37.8	1.9	59.5
32.8'	.4	49	.7	46.5	1.3	40.8	1.7	42	1.6	66.1

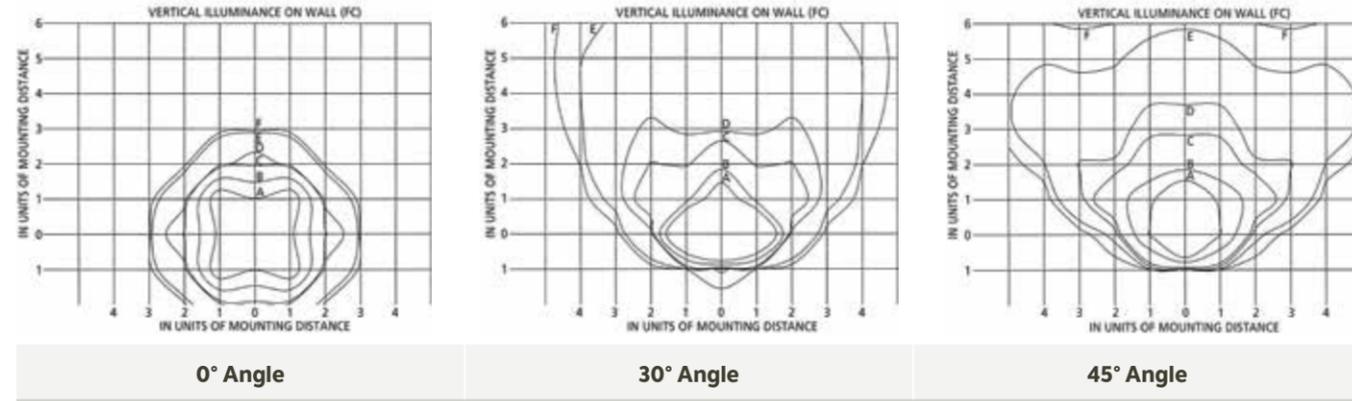
All Foot-candle values shown for 3000K color temperature.

Photometrics: 120V Retrofit Accent

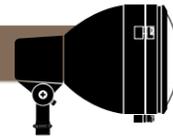
15251 – 75W Metal Halide



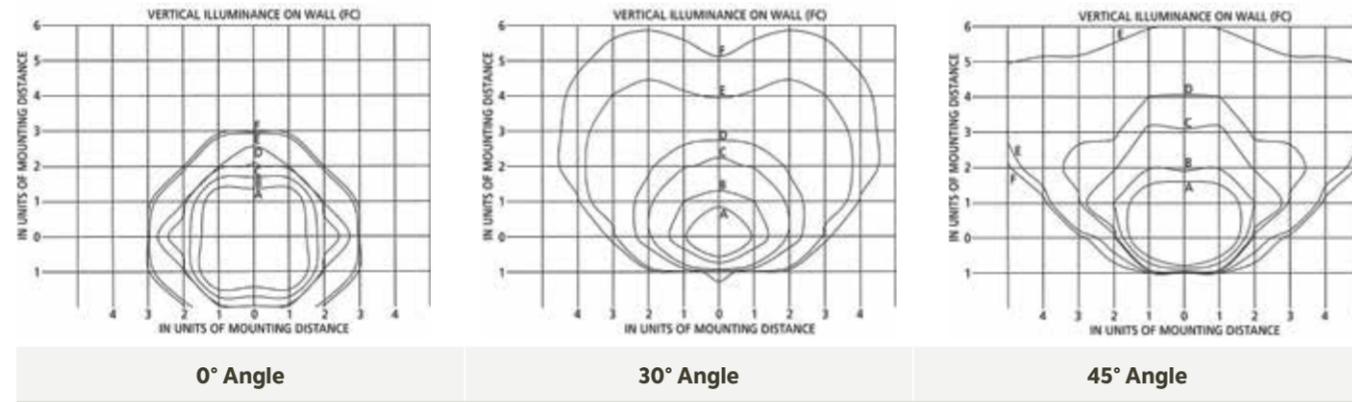
Clear ED17 Metal Halide based on 5000 lumens per lamp



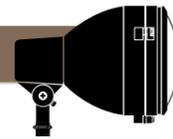
15251 – 100W Metal Halide



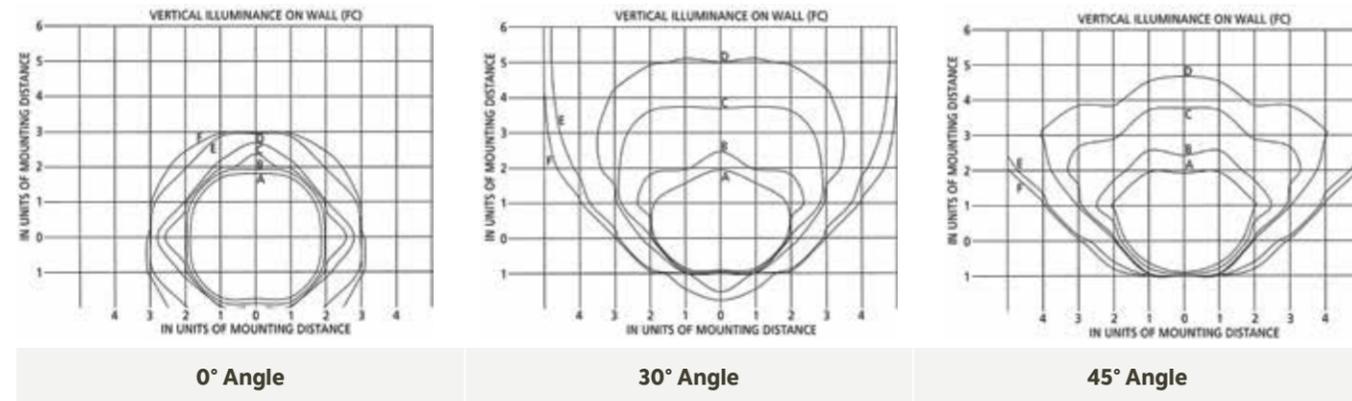
Clear ED17 Metal Halide based on 9000 lumens per lamp



15251 – 175W Metal Halide



Clear ED17 Metal Halide based on 14,000 lumens per lamp



Photometrics: 12V Integrated LED Accent

12V Integrated LED Accent with VLO - Small

	Item Number	16015 (low)		16016 (low)		16017 (low)			
		Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width		
LOW LUMENS	Beam Angle	15° Spot		35° Flood		60° Wide Flood			
	Max Candela	2122		452		179			
	Ft. Away								
	8'	19.3	1.8	4'	16.5	2.5	4'	6.8	4.6
	12'	8.6	2.7	8'	4.1	4.9	8'	1.7	9.2
	24'	2.1	5.5	16'	1	9.8	16'	.4	18.5
	36'	1	8.2	24'	.5	14.7	24'	.2	27.7
MID LUMENS	Item Number	16015 (mid)		16016 (mid)		16017 (mid)			
	Beam Angle	15° Spot		35° Flood		60° Wide Flood			
	Max Candela	3827		789		311			
	Ft. Away								
	8'	32.6	1.8	4'	30.9	2.5	4'	12.3	4.6
	12'	14.5	2.7	8'	7.7	4.9	8'	3.1	9.2
	24'	3.6	5.5	16'	1.9	9.8	16'	.8	18.5
HIGH LUMENS	Item Number	16015 (high)		16016 (high)		16017 (high)			
	Beam Angle	15° Spot		35° Flood		60° Wide Flood			
	Max Candela	5382		1118		438			
	Ft. Away								
	8'	47.2	1.8	4'	44.5	2.5	4'	17.6	4.6
	12'	21	2.7	8'	11.1	4.9	8'	4.4	9.2
	24'	5.2	5.5	16'	2.8	9.8	16'	1.1	18.5

12V LED Accent with VLO - Large

	Item Number	16018 (low)		16019 (low)		16020 (low)			
		Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width		
LOW LUMENS	Beam Angle	15° Spot		35° Flood		60° Wide Flood			
	Max Candela	3521		948		396			
	Ft. Away								
	8'	40.2	2.1	4'	37.3	2.5	4'	17.1	4.9
	12'	17.9	3.2	8'	9.3	4.9	8'	4.3	9.8
	24'	4.5	6.3	16'	2.3	9.8	16'	1.1	19.6
	36'	2	9.5	24'	1	14.7	24'	.5	29.4
MID LUMENS	Item Number	16018 (mid)		16019 (mid)		16020 (mid)			
	Beam Angle	15° Spot		35° Flood		60° Wide Flood			
	Max Candela	3827		789		311			
	Ft. Away								
	8'	74.7	2.1	4'	65.6	2.5	4'	29.1	4.9
	12'	33.2	3.2	8'	16.4	4.9	8'	7.3	9.8
	24'	8.3	6.3	16'	4.1	9.8	16'	1.8	19.6
HIGH LUMENS	Item Number	16018 (high)		16019 (high)		16020 (high)			
	Beam Angle	15° Spot		35° Flood		60° Wide Flood			
	Max Candela	3827		789		311			
	Ft. Away								
	8'	100.8	2.1	4'	86	2.5	4'	40.8	4.9
	12'	44.8	3.2	8'	21.5	4.9	8'	10.2	9.8
	24'	11.2	6.3	16'	5.4	9.8	16'	2.6	19.6

Photometrics: 12V Integrated LED Accent

12V Integrated LED Accent								
Item Number	16150		16151		16152		16155	
Beam Angle	10° Spot		35° Flood		60° Wide Flood		60° Wide Flood	
Max Candela	3867		527		221		282	
Ft. Away	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width
8'	38.4	1.5	4'	21.7	2.5	4'	8.3	4.2
12'	17.1	2.2	8'	5.4	4.9	8'	2.1	8.3
24'	4.3	4.5	16'	1.4	9.8	16'	.5	16.7
36'	1.9	6.7	24'	.6	14.7	24'	.2	25
48'	1.1	8.9	32'	.3	19.6	32'	.1	33.3
60'	.7	11.1	40'	.2	24.5	40'	.1	41.7

12V Integrated LED Accent								
Item Number	16153		16154		16155		16158	
Beam Angle	10° Spot		35° Flood		60° Wide Flood		60° Wide Flood	
Max Candela	5213		738		282		514.4	
Ft. Away	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width
8'	66.2	1.5	4'	30.5	2.5	4'	10.7	4.3
12'	29.4	2.3	8'	7.6	5	8'	2.7	8.7
24'	7.4	4.6	16'	1.9	9.9	16'	.8	17.4
36'	3.3	6.9	24'	.9	14.9	24'	.3	26.1
48'	1.8	9.2	32'	.5	19.8	32'	.2	34.8
60'	1.2	11.5	40'	.3	24.8	40'	.1	43.4

12V Integrated LED Accent								
Item Number	16156		16157		16158		16158	
Beam Angle	10° Spot		35° Flood		60° Wide Flood		60° Wide Flood	
Max Candela	9236		1298		514.4		514.4	
Ft. Away	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width	Ft.	Foot-candles	Beam Width
8'	111	1.5	4'	54	2.4	4'	19.2	4.2
12'	49.3	2.2	8'	13.5	4.8	8'	4.8	8.4
24'	12.3	4.4	16'	3.4	9.7	16'	1.2	16.8
36'	5.5	6.6	24'	1.5	14.5	24'	.5	25.2
48'	3.1	8.7	32'	.8	19.3	32'	.3	33.6
60'	2	10.9	40'	.5	24.2	40'	.2	42

12V Integrated LED Water Accent		
Item Number	15711LED	
Beam Angle	60° Wide Flood	
Ft. Away	Foot-candles	Beam Width
8'	5.6	3.3
12'	1.5	6.5
24'	.4	13
36'	.2	19.5
48'	.1	26
60'	.1	32.5

Photometrics: 12V Integrated LED In-Ground

12V Integrated LED Well												
Item Number	15767		15728		15729		15768		15747		15757	
Beam Angle	10° Spot		10° Spot		10° Spot		35° Flood		35° Flood		35° Flood	
Ft. Away	Foot-candles	Beam Width										
8'	33.6	1.2	68.3	1.2	100.6	1.3	35.8	1.9	66.9	1.8	98.1	2.1
12'	14.9	1.8	30.4	1.9	44.7	1.9	9	3.9	16.8	3.6	24.5	4.1
24'	3.7	3.6	7.6	3.8	11.2	3.8	2.2	7.8	4.2	7.3	6.1	8.2
36'	1.7	5.4	3.4	5.7	5	5.7	1	11.7	1.8	11	2.7	12.3
48'	.9	7.2	1.9	7.6	2.8	7.6	.6	15.6	1	14.6	1.5	16.4
60'	.6	9	1.2	9.5	1.8	9.5	.4	19.5	.7	18.3	1	20.5

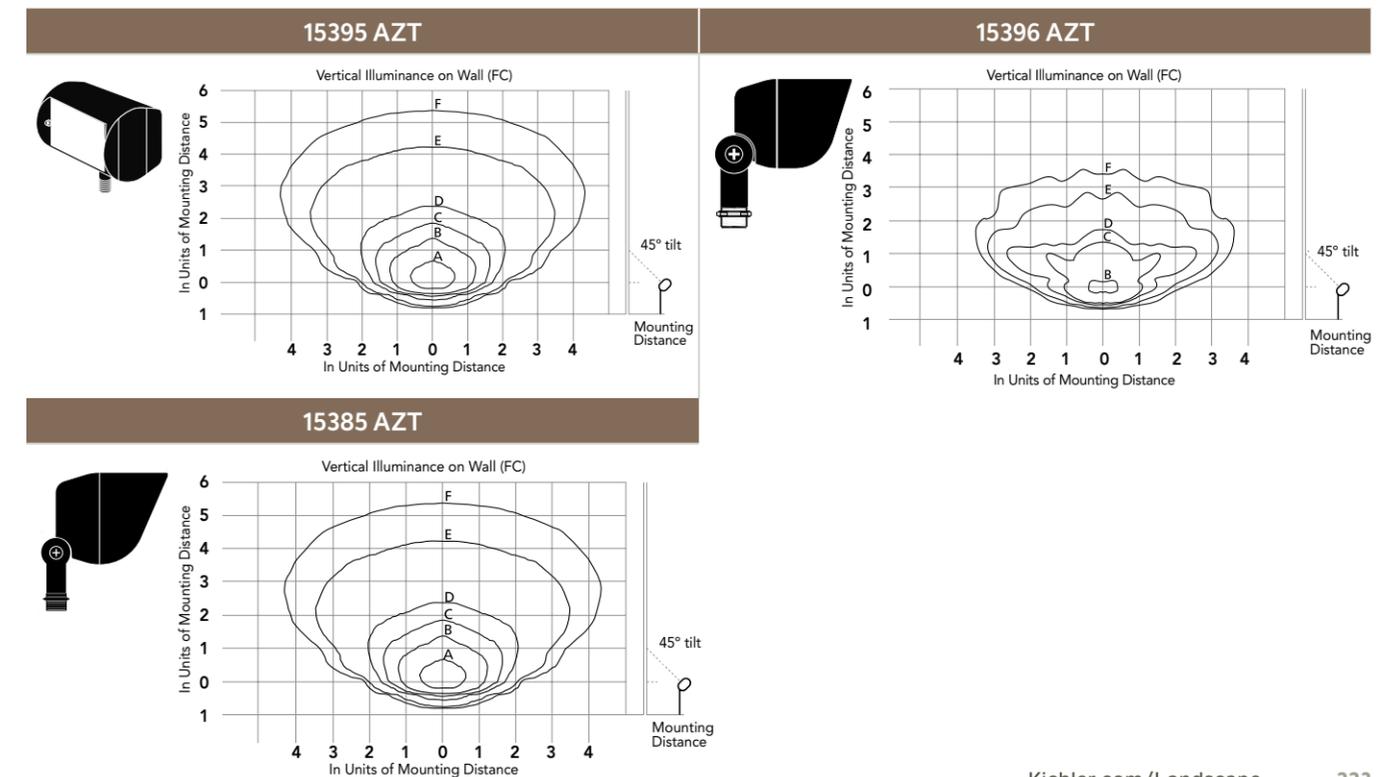
Photometrics: 12V Integrated LED In-Ground

12V Integrated LED Well						
Item Number	15769		15748		15758	
Beam Angle	60° Wide Flood		60° Wide Flood		60° Wide Flood	
Ft. Away	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
8'	18.5	2.4	36.9	2.4	47	2.4
12'	4.7	4.8	9.3	4.8	11.8	4.8
24'	1.2	9.6	2.3	9.6	2.9	9.6
36'	.5	14.4	1	14.4	1.3	14.4
48'	.3	19.2	.6	19.2	.7	19.2
60'	.2	24	.4	24	.5	24

12V Integrated LED In-Ground												
Item Number	16030		16033		16036		16031		16034		16037	
Beam Angle	10° Spot		10° Spot		10° Spot		35° Flood		35° Flood		35° Flood	
Ft. Away	Foot-candles	Beam Width										
8'	32.6	1.6	113.8	1.4	214.7	1.4	21.7	2.3	53	2.4	98.5	2.3
12'	14.5	2.3	50.6	2.1	95.4	2	5.4	4.5	13.3	4.7	24.6	4.5
24'	3.6	4.7	12.6	4.3	23.8	4.1	1.4	9	3.3	9.4	6.1	9.1
36'	1.6	7	5.6	6.4	10.6	6.1	.6	13.5	1.5	14.1	2.7	13.6
48'	.9	9.3	3.2	8.6	6	8.1	.3	18	.8	18.9	1.5	18.1
60'	.6	11.7	2	10.7	3.8	10.1	.2	22.5	.5	23.6	1	22.6

12V Integrated LED In-Ground						
Item Number	16032		16035		16038	
Beam Angle	60° Wide Flood		60° Wide Flood		60° Wide Flood	
Ft. Away	Foot-candles	Beam Width	Foot-candles	Beam Width	Foot-candles	Beam Width
8'	11.2	4.3	14.7	4.5	25.1	4.4
12'	2.8	8.6	3.7	9.1	6.3	8.8
24'	.7	17.3	.9	18.1	1.6	17.7
36'	.3	25.9	.4	27.2	.7	26.5
48'	.2	34.6	.2	36.2	.4	35.3
60'	.1	43.2	.1	45.3	.3	44.2

Photometrics: 12V Retrofit Accent with LED/Incandescent



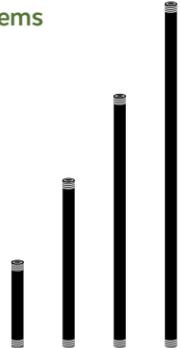


120V Accessories

LED & Incandescent

Durable in design and versatile in application—120V accessories are engineered to perform in any weather or high-use application.



Mounting Accessories	Item Number	Notes
Concrete Installation Kit  7" D 5.19" H	15608 AZ For use with: 15262, 15263, 15266, 15295, 15IGT100, 15IGT300, 15IGT600	Injection molded concrete pour kit.
Fixture Mounting Stems  .5-14 NPSM Thd. stems .75 Dia. overall	6" – 15645 AZT, 15645 BBR, 15645 BKT 12" – 15656 AZT, 15656 BBR, 15656 BKT 18" – 15657 AZT, 15657 BBR, 15657 BKT 24" – 15658 AZT, 15658 BBR, 15658 BKT	All stems made of corrosion resistant aluminum alloy (except BBR, which is Bronzed Brass) with baked thermoset powder coating to match fixtures. Used with: <ul style="list-style-type: none"> • In-ground support stakes (low voltage only) • Surface mounting flange (low or line voltage) .5-14 NPSM stems will require additional Coupler (15649) or Elbow (15647) for accent light use
Power Post®  4.375" 19" 2.25"	15276 BK For use with fixtures: 15205 AZT, 15205 BKT, 15211 AZT, 15211 BKT, 15232 AGZ, 5236 BKT, 15236 TZ, 15239 OB, 15239 OZ and all other .5" NPSM threaded fixtures	Fast, one-step connection. 2.25" inside diameter accepts conduit of different sizes. Made of impact and corrosion resistant PVC, suitable for wet locations. No unsightly junction boxes or time-taking assembly, just a trouble-free installation. Designed for line voltage (120V) landscape lighting. Eliminates need for above or below ground boxes. Built-in stabilizer removes need for concrete. Accepts .5 NPSM thread. UL and cUL listed.
Bollard Mounting Stake  23" H	15578 BK For use with all bollard mounting kits on 12V and 120V fixtures: 15005, 15205, 15211	Improved extruded PVC stake is corrosion resistant and 23" length has increased support and stability. Fitting provided to mount bollard in soil. <i>As allowed by local electrical codes</i>
Bollard Template Kit 	15671 ST For use with all bollard mounting kits on 12V and 120V fixtures: 15005, 15205, 15211	For use with all bollard mounting kits. For permanent installation into concrete. Template kit includes positioning template, anchor bolts, and mounting hardware.
Surface Mounting Flange  4" D 1.5-14 NPSM Thd.	15601 AZT 15601 BBR 15601 BKT 15601 WHT	On 120V installations, Cast Aluminum surface flange must be used with junction box (not included). Neoprene gasket supplied to ensure water tight seal. BBR is Bronzed Cast Brass.
Flange Mounting Nipple  .5-14 NPSM Thd.	15602 AL	Anodized aluminum nipple. Used when attaching fixture directly to 15601 flange and 15607 bracket.
Junction Box Mounting Bracket  2.39" W 5.56" H	15609 AZT 15609 BKT 15609 CBR 15609 WHT	For use with low voltage and line voltage fixtures Corrosion resistant Cast Aluminum alloy with baked thermoset powder coat finish.
Gel Encapsulant 	15616 WH10 10-pack	Re-enterable encapsulant gel for in-ground installations. Two-part field mixable material in one convenient package.

Lens/Shield Accessories	Item Number	Notes
Blue Lens 	15623 BL For use with: 15231	 Well Light Blue Lens Filter 15626 BL also available (for use with: 15262, 15263, 15266, 15295)
45° Hexcell Louver 	15638 BK For use with: 15241	Expanded aluminum shield with high temperature black finish.
Rock Guard 9.63" Dia. 1.29" H 	15688 AZ For use with: 15263, 15264, 15265, 15295	
LED Long Cowl  5.8"	16060 BBR 16062 BBR For use with 12.5W fixtures: 16200, 16201, 16206 For use with 19.5W & 29W fixtures: 16202, 16203, 16204, 16205, 16207, 16208	Ideal solution for downlighting where increased glare control is needed. <i>For use with 120V Radiax LED accent lights only.</i>
LED 360° Short Cowl  16061: 2.5" H 16063: 3.25" H	16061 BBR 16063 BBR For use with 12.5W fixtures: 16200, 16201, 16206 For use with 19.5W & 29W fixtures: 16202, 16203, 16204, 16205, 16207, 16208	Full shroud for expanded glare control. Great option for downlighting to recess light source back. <i>For use with 120V Radiax LED accent lights only.</i> 16061 - 3" Diameter 16063 - 4.5" Diameter
PAR20 Medium Cowl  3.32" L	15620 AZT 15620 BKT For use with: 15231	Lens cowl sold with fixture. 360° rotation for precise light cutoff.
PAR20 Long Cowl  7.45" L	15628 AZT 15628 BKT For use with: 15231	
PAR30 Medium Cowl  3.87" L	15640 AZT 15640 BKT For use with: 15241	
PAR30 Long Cowl  8.99" L	15648 AZT 15648 BKT For use with: 15241	
PAR38 Medium Cowl  4.92" L	15660 AZT 15660 BKT For use with: 15251, 15255	
PAR38 Long Cowl  12" L	15668 AZT For use with: 15251, 15255	
PAR20 Cowl  3.58" L	15630 AZT For use with: 15230	Heat-resistant clear lens
PAR38 Cowl  3.58" L	15650 AZT For use with: 15250	Heat-resistant clear lens



Outdoor Living

Bring decorator-inspired style to customers' outdoor entertaining spaces. Our comprehensive offering features premium materials designed to withstand rain, wind, UV exposure and more for years of worry-free performance. You'll find everything your project needs: post lights, wall lanterns, outdoor-rated ceiling fans and more.



Chandeliers & Pendants

120V Damp-Rated for Outdoor Covered Areas

With finishes that handle the elements, and styles that match a variety of homeowner tastes, Kichler chandeliers and pendants create an essential focal point over dining areas, inside a gazebo, over an entryway and more.



Outdoor Chandeliers



OZ, BA
Lyndon™



BA, OZ
Lyndon™



WZC
Wright



OZ
Westington™



WZC
Riverwood™



OZ
Caterham™

Outdoor Chandeliers & Pendants



WZC
Ashland Bay



BKT
Vandalia™



OZ
Larkin™



LD
Halleron™



OZCW, OZNW
Palisades



OZCW, OZNW
Palisades



Outdoor Ceiling Fans

120V Damp-Rated & Wet-Rated

Designed and constructed to withstand the elements, Kichler ceiling fans are the perfect way to enhance a client's outdoor leisure and entertainment experiences — bringing light and airflow to gathering spaces. Our wide selection of styles assures you can offer homeowners the look they're after.



Wet-Rated & Climates Outdoor Fans

WET-RATED: ●

For open or direct exposure to sun, rain or water spray

- Ideal for pergolas, open porches and more
- Highly durable finishes tested against rain and snow
- Feature stainless steel mounting hardware
- Include all-weather ABS plastic blades

CLIMATES: ●

Built to withstand open exposure to the harshest elements

- Ideal for areas with extreme heat, saltwater spray, intense cold and consistent UV exposure
- Have superior corrosion and warp-resistant finishes: fan bodies and select blades crafted from all-weather ABS plastic or aluminum
- Feature a weather-hardy aluminum support system



54" Seaside™ LED		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
5627	60	93



44" Sola LED (Available in Multiple Sizes)		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
3911	68	57



60" Szepto™ II LED (Available in Multiple Sizes)		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
7154	32	225



52" Canfield™ Climates™ (Available in Multiple Sizes and Blade Sets)		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
6231	73	86



52" Eads™ Patio (Available in Multiple Sizes)		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
5904	78	76



60" Rana™ LED		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
8536	70	121

Wet-Rated & Damp-Rated Outdoor Fans

DAMP-RATED: ●

Engineered for high-humidity areas

- Ideal for enclosed porches, sunrooms, bathrooms and more
- Water-resistant durable finishes
- Incorporate galvanized undercoating
- Include stainless steel mounting hardware
- Feature all-weather ABS plastic or sealed wood blades

Ceiling Fans Iconography:

- 1 - DC Fan 2 - LED Light Kit 3 - Climates™ finish
- 4 - Damp-Rated 5 - Wet-Rated 6 - ENERGY STAR®



18" Pola™ (Available in Multiple Sizes)		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
-	-	-



56" Phree™ LED		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
6467	87	75



65" Maor™ Patio LED		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
8093	90	90



70" Monarch™ Patio		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
8339	94	89



52" Monarch™ II Patio		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
5532	82	68



52" Lyndon™ Patio (Available in Multiple Sizes)		
AIR PERFORMANCE		
Airflow Cubic Ft. Per Minute on High	Power Usage Watts on High (Excludes Lights)	Airflow Efficiency Cubic Ft. Per Minute Per Watt
4946	65	77



Wall Lanterns & Posts

120V Wet-Rated for Outdoor Areas

Kichler decorative lantern lights and posts add curb appeal and architectural interest around doorways, garages and more. Many match Kichler interior collections for total home coordination — a major selling feature for homeowners. Each fixture is also outdoor-rated to perform in the harshest of elements.



Outdoor Wall Lanterns



BKT, OZ
River Path™ LED



BKT
Manhattan LED



BKT
Ashbern LED



BKT
Amber Valley LED



BKT
Wakefield LED



OZ
Beacon Square



BA, BKT
Northland™



WZC
Wayland



WZC
Andover



AVI
Mill Lane™



RZ
South Hope™



WZC
Ashland Bay



RST
Rustic™



WZC
Argyle



BA, AZ
Lyndon™



DBK
Royal Marine™



OZ
Harbor Row™



BKT, LD
Tournai™



AZ, SS
Pacific Edge™



RZ, BK
Salisbury™

Outdoor Posts



BKT
Amber Valley LED



BKT
Wakefield LED



OZ
Beacon Square



WZC
Andover



AVI
Mill Lane™



RZ
South Hope™



WZC
Ashland Bay



RST
Rustic™



WZC
Argyle



BA, AZ
Lyndon™



DBK
Royal Marine™



OZ
Harbor Row™



BKT, LD
Tournai™



AZ, SS
Pacific Edge™



RZ, BK
Salisbury™



LD
Halleron™



OZ
Galemore



DBK
Piedmont



BK, TZ
Barrie



WZC
Wiscombe Park™

LED Portable Lantern

Dimmable with Bluetooth® Speaker



RZ (Rubbed Bronze)

South Hope™ LED



BKT (Textured Black)

Lyndon™ LED



Full-function indicator buttons for audio control and light dimming.



Integrated Speaker



Full-function indicator buttons for audio control and light dimming.



Integrated Speaker



- Dimmable
- 3000K pure white light



- Rechargeable NiMH 3.6V battery
- Charge from 0-100% in 5 hours
- 5-hour battery life at maximum volume and 100% light



- 3W audio output
- Independent controls for sound and lighting



- Controlled by any Bluetooth-enabled device
- 30-foot range



- Damp rated
- Indoor or covered outdoor areas



Finishes Guide



AGZ
Aged Bronze



AZ
Architectural Bronze



AZT
Textured Architectural Bronze



BBR
Bronzed Brass



BK
Black



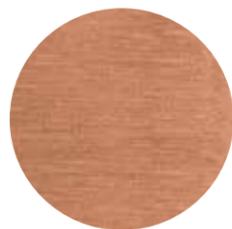
BKT
Textured Black



BN
Brushed Nickel



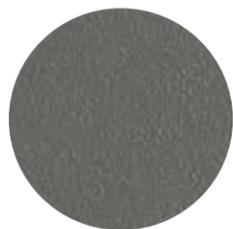
CBR
Centennial Brass



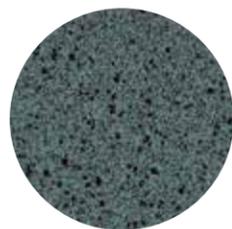
CO
Copper



CW
Crimson Wood



GRY
Textured Gray



MST
Textured Midnight Spruce



OB
Olde Brick



OZ
Olde Bronze



PZ
Patina Bronze



SD
Textured Sand



SS
Stainless Steel



TZG
Tannery Bronze with Gold Accents



TZT
Textured Tannery Bronze



WHT
Textured White

Symbols Guide

D **Damp Rating:** Used in sheltered areas that are protected from direct contact with rain, snow or excessive moisture.

W **Wet Rating:** Suitable for direct contact with rain, snow or excessive moisture (such as fog or ocean spray).

LE **Line Extension:** Additional product added to an existing product line.

☾ **Dark Sky compliant:** Aligns with the International Dark-Sky Association (IDA) standards of reducing light pollution, protecting the night skies for present and future generations.

 **016 Title 24, Part 6:** A document that contains the California Building Energy Efficiency Standards as regulated by the California Energy Commission. Products marked with this logo and labelled as JA8-2016 or JA8-2016-E have been found to meet the requirements stated in 2016 T24, Part 6. For more information, visit www.energy.ca.gov/title24.

FC Federal Communications Commission devices designated with this logo comply with part 15 of the FCC Rules.

Ceiling Fans Iconography:

-    1: DC Fan 2: LED Light Kit 3: Climates finish
-    4: Damp-Rated 5: Wet-Rated 6: ENERGY STAR®



All electrical products are UL/CSA/ or ETL Listed and Certified to UL/CSA Standards for use in U.S.A. and Canada except where noted.

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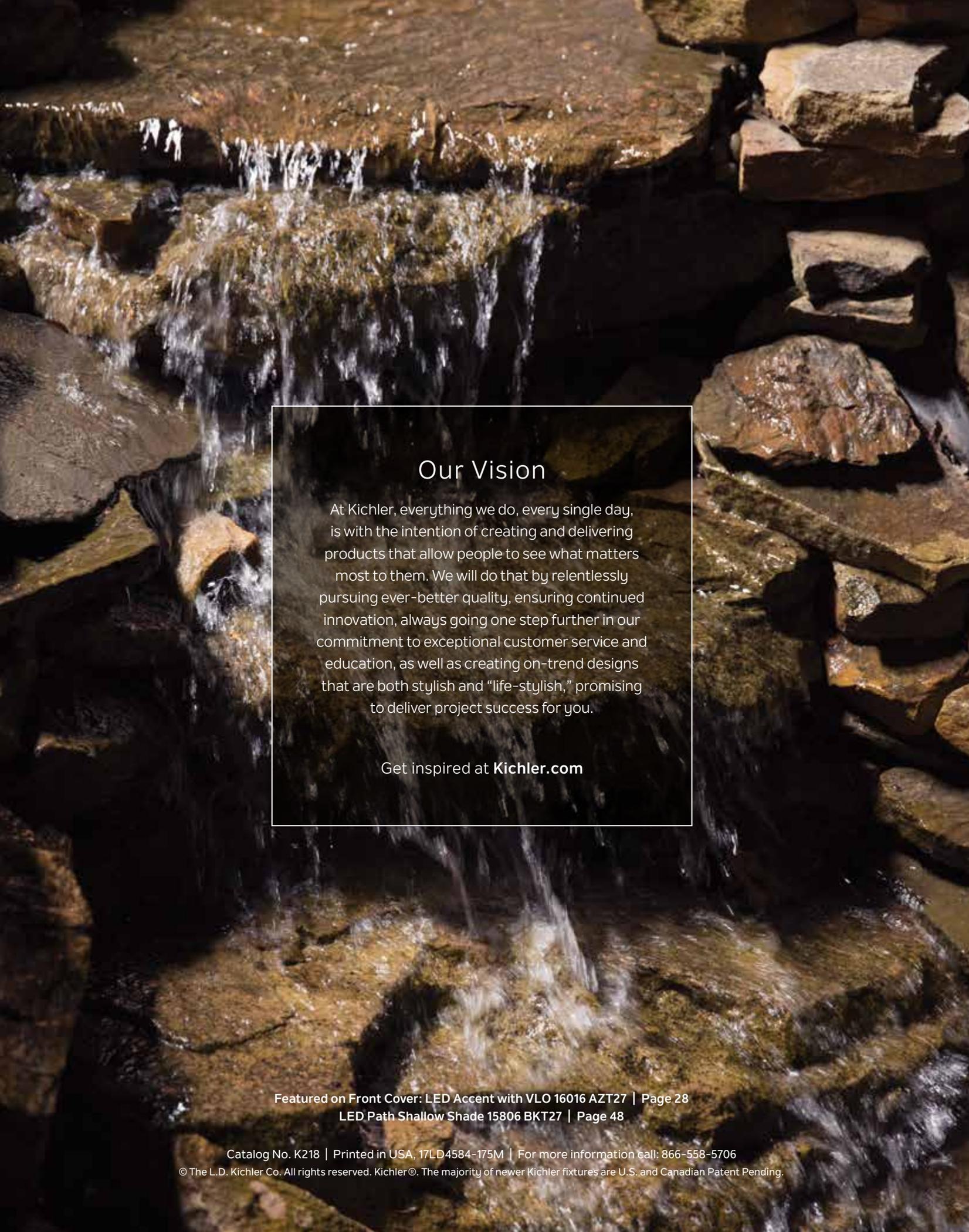
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Abbreviation Key

- AC Alternating Current
- ADA Americans with Disabilities Act
- ANSI American National Standards Institute
- AWG American Wire Gauge system
- CBCP Center Beam Candlepower
- CLR Clear
- CRI Color Rendering Index
- D Depth
- DC Direct Current
- FC, fc Foot-candles
- FL Flood Light
- FRO Frosted
- H Height
- hrs. Hours
- Hz Hertz
- ID Inside Diameter
- K Kelvin temperature
- kV Kilovolt
- L Length
- LED Light Emitting Diode
- lm Lumens
- lm/W Lumens per Watt
- lpw Lumens per Watt
- LVPC Low Voltage Power Conditioner
- Max. Maximum
- NFL Narrow Flood Light
- NSP Narrow Spot Light
- NPSM National Pipe & Thread - Straight, Male
- OD Outside Diameter
- pf Power Factor
- SP Spot Light
- V Volt
- VA Volt-Amp
- VNSP Very Narrow Spot Light
- VWFL Very Wide Flood Light
- W Watt, when directly next to a number
- W Width, when paired with L and/or H
- WFL Wide Flood Light
- Thd. Thread

6051 AZ, WH	211	15393 OZ	151	15514 CBR	174	15717 SS	174	16018 AZT27, AZT30, BKT27, BKT30, CBR27, CBR30	29, 221	16200 BBR30, BBR40	188, 219
6052 AZ, WH	211	15395 AZT	108	15515 CBR	174	15718 SS	174	16019 AZT27, AZT30, BKT27, BKT30, CBR27, CBR30, WHT27, WHT30	29, 221	16201 BBR30, BBR40	188, 219
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15064 AZT, BBR, WHT	157	15421 AGZ	144	15570 AZT	172	15746 AZT27, AZT30, BBR27, BBR30, CO27, CO30, GRY27, GRY30, SD27, SD30, WHT27, WHT30	76	16036 BBR27, BBR30	36, 223	16209 AZT30, AZT40, BKT30, BKT40	186, 218
15065 AZT, BBR, BKT, WHT	156	15422 AGZ	156	15575 BK	172	15747 BKT	37, 222	16037 BBR27, BBR30	36, 223	16210 AZT30, AZT40, BKT30, BKT40	186, 218
15066 AZT, WHT	160	15423 AZT, BKT	134	15576 BK	172	15748 BKT	37, 223	16038 BBR27, BBR30	36, 223	16211 AZT30, AZT40, BKT30, BKT40	186, 218
15070 AZT	163	15426 BKT	149	15578 BK	172, 226	15750 Tzt27R, Tzt30R	64	16039 BBR27, BBR30	36, 223	16212 AZT30, AZT40, BKT30, BKT40	186, 218
15071 OZ	159	15429 Tzt	149	15578 SS	173	15755 AZT30, BBR30, CO30, GRY30, SD30, WHT30	81	16040 BBR, BBRP	176	16213 AZT30, AZT40, BKT30, BKT40	186, 218
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15077 AZT	160	15439 CO, OB, Tzt	139	15602 AL	173	15763 Tzt27R, Tzt30R	64	16061 BBR	227	16217 AZT30, AZT40, BKT30, BKT40	187, 218
15079 AZT	161	15443 CO, OB, OB12, Tzt	138	15607 AZT, BBR, BKT, WHT	173	15764 AZT27R, AZT30R, BBR27R, BBR30R, WHT27R, WHT30R	65	16062 BBR	227	16218 AZT30, AZT40, BKT30, BKT40	187, 218
15087 AZT	111	15444 OZ	147	15608 AZ	226	15765 AZT27R, AZT30R, BBR27R, BBR30R, BKT27R, BKT30R, WHT27R, WHT30R	65	16063 BBR	227	16219 AZT30, AZT40, BKT30, BKT40	187, 218
15088 BK, BK12	121	15449 Tzt	153	15609 AZT, BKT, CBR, WHT	226	15766 BKT	37, 222	16067 AZT, BKT, CBR	176	16220 AZT30, AZT40, BKT30, BKT40	187, 218
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15165 AZ	158	15470 AZT, BKT, CBR	131	15626 BL	227	15774 AZT27R, AZT30R	68	16071 AMB, FRO, GRN, HGRN, RD	175	16224 AZT30, AZT30SL, AZT30TR, AZT40, AZT40SL, AZT40TR, BKT30, BKT30SL, BKT30TR, BKT40, BKT40SL, BKT40TR	193, 218
15190 BK	122	15471 BBR, Tzt	138	15628 AZT, BKT	227	15776 BK	41, 173	16072 AMB, FRO, GRN, HGRN, RD	175	16225 AZT30, AZT30SL, AZT30TR, AZT40, AZT40SL, AZT40TR, BKT30, BKT30SL, BKT30TR, BKT40, BKT40SL, BKT40TR	194, 218
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15194 AZ	122	15476 CBR	110	15632 LIN	175	15782 AZT27R, AZT30R, BBR27R, BBR30R, BKT27R, BKT30R, CO27R, CO30R, WHT27R, WHT30R	69	16075 BK	177	49500 BKTLED	21, 70, 242
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