

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — The 4" Wafer-Thin LED recessed downlight with remote driver box combines high quality light output and efficiency while eliminating the pot light housing for competitive affordability. This innovative wafer-slim Type IC design allows easy installation for new construction or remodel from below the ceiling without the requirement of a pot light housing. The LED module maintains at least 70% light output for 36,000 hours. These LED Wafer downlights are intended for closets, attics, hallways, bathrooms, kitchens, basements, soffits, entry ways, porches, garages, stairwells, corridors, nursing/retirement homes, condos, elevators, apartments, and any other small areas.

CONSTRUCTION — IC rated driver and fixture - approved for direct contact with insulation. Aluminum die cast outer frame. Durable, powder coat paint to prevent rust. Round fixture with integral edge-lit LED's. Plenum rated cable connector to connect from module to remote driver box. Isolated driver integrated inside steel remote box with four 7/8" knockouts with slots for pryout. Suitable for pulling wires with the 12 cubic-inch wiring compartment to accommodate up to (8) 14 gauge insulated conductors, or (6) 12 gauge insulated conductors; making the Wafer LED Downlights much easier to wire in 2in/2out (plus ground) daisy-chain applications and contractor friendly.

PATENT PENDING.

INSTALLATION — Ideal for shallow ceiling plenum; no housing required. Steel spring clip for easy installation. 4" cut out template is provided to ensure a correct sized hole is cut into ceiling for proper installation of the trim. Size of hole should not exceed 4 1/4 inches for this product. Suitable for installation in t-grid and drop ceiling applications. 3" plenum space required for installation of the remote driver box.

OPTICS — Wafer-Thin downlight edge-lit LED technology uses light guided plate to distribute light. Polycarbonate lens provides even illumination throughout the space. Utilizes 2700K, 3000K, 3500K, 4000K, and 5000K color temperature LEDs.

ELECTRICAL — Connect directly to 120V power supply via provided UL recognized driver. High efficient driver with power factor > 0.9. Ambient operating temperature: -40°F (-40°C) to +104°F (+40°C). Dimming down to 10% (See page 2 for recommended dimmers). Standard input wattage is 9.6W, 70 lumens per watt. Replaces 50W incandescent.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® certified. Wet location. Air Tight certified in accordance with ASTM E283-2004. NOM Certified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

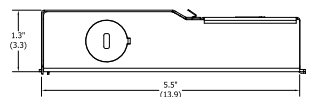
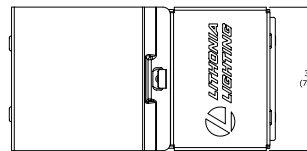
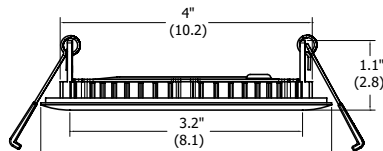
Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Specifications

Aperture:	3.2 (8.1)
Ceiling opening:	4.2 (10.7)
Overlap trim:	4.7 (12.0)
Height:	1.1 (2.8)



All dimensions are in inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: WF4 LED 30K MW

WF4	LED		
Series	Lamp	CCT/CRI/W/Lumens ¹	Finish
WF4 4" wafer-thin LED downlight	LED LED	27K² 2700K/80CRI/10.6W/660L 30K 3000K/80CRI/9.6W/675L 35K² 3500K/80CRI/10.2W/740L 40K 4000K/80CRI/10W/765L 50K² 5000K/80CRI/10.4W/780L	MW Matte white MB Matte black BN Brushed nickel ORB Oil-rubbed bronze

Accessories: Order as separate catalog number.

WF4 PAN R12	4" new construction pan, retail pack of 12
WFJB U	Remodel joist bar
WFEXC6 U	6' FT4 cable
WFEXC10 U	10' FT4 cable
WFEXC20 U	20' FT4 cable



WF4_Pan



Remodel Joist Bar



Extension Cable

Notes

- Total system delivered lumens.
- Only stocked in Matte White finish, enter non-stock order for other color finishes.

Wafer LED Recessed Downlight

WF4 4" LED Module

IC/Non-IC
New Construction/Remodel



Matte black



Brushed nickel



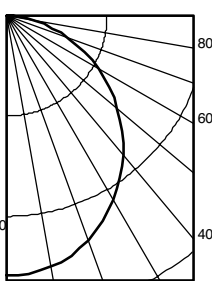
Oil-rubbed bronze

WF4 4" LED Wafer Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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WF4 LED 27K, 2700 K LEDs, input watts: 10.5, delivered lumens: 708, LM/W=67.4, test no. ISF 30027P2

	Ave Lumens		Zone	Lumens	% Lamp	pf	80%			70%			50%			50% beam - 62.6°	10% beam - 108.2°
	pc						50%	30%	10%	50%	30%	10%	50%	30%	10%		
	pw																
0	259		0°- 30°	198.1	27.9	0	119	119	119	116	116	116	111	111	111		
5	258	24	0°- 40°	321.0	45.3	1	104	100	96	102	98	94	97	94	91		
15	248	70	0°- 60°	558.3	78.8	2	90	84	78	89	82	77	85	80	75		
25	226	104	0°- 90°	708.6	100.0	3	79	71	65	78	70	64	75	68	63		
35	197	123	90°- 120°	0.1	0.0	4	70	62	55	69	61	55	67	59	54		
45	163	126	90°- 130°	0.1	0.0	5	63	54	47	62	53	47	60	52	47		
55	125	112	90°- 150°	0.1	0.0	6	57	48	41	56	47	41	54	46	41		
65	86	85	90°- 180°	0.1	0.0	7	51	43	37	51	42	36	49	42	36		
75	48	50	0°- 180°	708.7	*100.0	8	47	38	33	46	38	33	45	38	32		
85	13	15	*Efficiency			9	43	35	29	43	35	29	41	34	29		
90	1					10	40	32	27	39	32	27	38	31	26		

Initial FC		50% beam -		10% beam -			
Mounting	Center	Height	Beam	Diameter	FC	Diameter	FC
8.0	8.6	6.7	4.3	15.2	0.9		
10.0	4.6	9.1	2.3	20.7	0.5		
12.0	2.9	11.6	1.4	26.2	0.3		
14.0	2.0	14.0	1.0	31.8	0.2		
16.0	1.4	16.4	0.7	37.3	0.1		

WF4 LED 30K, 3000 K LEDs, input watts: 9.6, delivered lumens: 675, LM/W=70.3, test no. ISF 30027

Ave Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%			50% beam - 62.6°	10% beam - 108.2°
					50%			30%			30%				
					10%			10%			10%				
0 251	0° - 30°	191.7	27.9	0	119	119	119	116	116	116	111	111	111		
5 250	0° - 40°	310.8	45.3	1	104	100	96	102	98	94	97	94	91		
15 240	0° - 60°	540.5	78.8	2	90	84	78	89	82	77	85	80	75		
25 218	0° - 90°	686.0	100.0	3	79	71	65	78	70	64	75	68	63		
35 190	90° - 120°	0.1	0.0	4	70	62	55	69	61	55	67	59	54		
45 158	90° - 130°	0.1	0.0	5	63	54	47	62	53	47	60	52	47		
55 121	90° - 150°	0.1	0.0	6	57	48	41	56	47	41	54	46	41		
65 83	90° - 180°	0.1	0.0	7	51	43	37	51	42	36	49	42	36		
75 46	0° - 180°	686.1	*100.0	8	47	38	33	46	38	33	45	38	32		
85 12	*Efficiency			9	43	35	29	43	35	29	41	34	29		
90 1				10	40	32	27	39	32	27	38	31	26		

Initial FC		50% beam -		10% beam -	
Mounting	Center	Height	Beam	Diameter	FC
8.0	8.3	6.7	4.2	15.2	0.8
10.0	4.5	9.1	2.2	20.7	0.4
12.0	2.8	11.6	1.4	26.2	0.3
14.0	1.9	14.0	0.9	31.8	0.2
16.0	1.4	16.4	0.7	37.3	0.1

WF4 LED 35K, 3500 K LEDs, input watts: 10.1, delivered lumens: 829, LM/W=82, test no. ISF 35164

	Ave Lumens		Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%		
							50%	30%	10%	50%	30%	10%	50%	30%	10%
0	326		0°- 30°	249.5	30.1	0	119	119	119	116	116	116	111	111	111
5	326	31	0°- 40°	400.6	48.3	1	104	100	96	102	98	95	98	95	92
15	312	88	0°- 60°	672.0	81.0	2	91	85	79	90	83	78	86	81	76
25	284	131	0°- 90°	829.8	100.0	3	81	73	66	79	72	66	76	70	65
35	242	151	90°- 120°	0.0	0.0	4	72	63	57	70	62	56	68	61	55
45	191	147	90°- 130°	0.0	0.0	5	64	56	49	63	55	49	61	54	48
55	139	124	90°- 150°	0.0	0.0	6	58	49	43	57	49	43	55	48	43
65	91	90	90°- 180°	0.0	0.0	7	53	44	38	52	44	38	51	43	38
75	49	52	0°- 180°	829.8	*100.0	8	48	40	34	48	40	34	46	39	34
85	14	16	*Efficiency			9	44	36	31	44	36	31	43	36	31
90	0					10	41	33	28	41	33	28	40	33	28

Initial FC

Mounting	Center	Diameter	FC	Diameter	FC
8.0	10.8	6.6	5.4	14.6	1.1
10.0	5.8	9.1	2.9	19.9	0.6
12.0	3.6	11.5	1.8	25.2	0.4
14.0	2.5	13.9	1.2	30.5	0.2
16.0	1.8	16.3	0.9	35.8	0.2

50% beam - 62.2°

10% beam - 106.0°

WF4 LED 40K, 4000 K LEDs, input watts: 10, delivered lumens: 765, LM/W=76.5, test no. ISF 30377

Ave Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			70%			50%			50% beam - 63.7°	10% beam - 109.1°
					50%	30%	10%	50%	30%	10%	50%	30%	10%		
0 272	0° - 30°	210.1	27.3	0	119	119	119	116	116	116	111	111	111		
5 271	0° - 40°	342.5	44.5	1	104	99	95	101	97	94	97	94	91		
15 261	0° - 60°	601.1	78.1	2	90	83	77	88	82	76	85	79	75		
25 240	0° - 90°	770.1	100.0	3	79	71	64	77	70	64	74	68	62		
35 212	90° - 180°	0.0	0.0	4	70	61	54	69	60	54	66	59	53		
45 177	0° - 180°	770.1	*100.0	5	63	53	47	61	53	46	59	52	46		
55 138	*Efficiency			6	56	47	41	55	47	41	54	46	40		
65 96				7	51	42	36	50	42	36	49	41	36		
75 54				8	47	38	32	46	38	32	45	37	32		
85 16				9	43	34	29	42	34	29	41	34	29		
90 0				10	39	32	26	39	31	26	38	31	26		

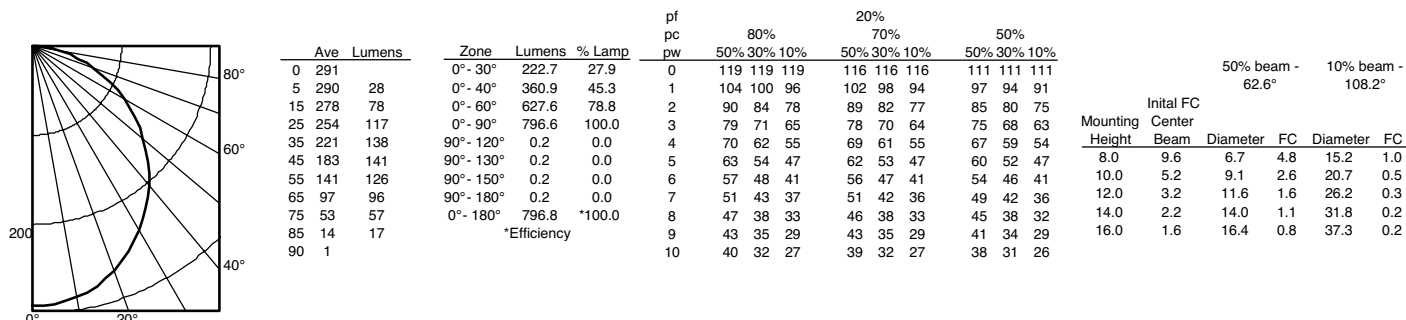
Initial FC		50% beam -		10% beam -	
Mounting	Center	Diameter	FC	Diameter	FC
8.0	9.0	6.8	4.5	15.5	0.9
10.0	4.8	9.3	2.4	21.1	0.5
12.0	3.0	11.8	1.5	26.7	0.3
14.0	2.1	14.3	1.0	32.3	0.2
16.0	1.5	16.8	0.7	37.9	0.1

WF4 4" LED Wafer Module

PHOTOMETRICS

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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WF4 LED 50K, 5000 K LEDs, input watts: 10.4, delivered lumens: 796, LM/W=77, test no. ISF 30027P3



ENERGY DATA & DIMMER COMPATIBILITY

4" ENERGY DATA	2700K	3000K	3500K	4000K	5000K
Lumens	660	675	740	765	780
Color temperature	2700K	3000K	3500K	4000K	5000K
CRI	80	80	80	80	80
Lumens/Watt	62.2	70.3	72.5	76.5	75
Min. starting temperature	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)	-40°C (-40°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B	FCC Title 47 CFR, Part 15, Class B
Sound rating	Class A standards	Class A standards	Class A standards	Class A standards	Class A standards
Input voltage	120V	120V	120V	120V	120V
Total Harmonic Distortion	15.3%	15.3%	15.3%	15.3%	15.3%
Min. power factor	0.99	0.97	0.98	0.98	0.98
Input frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated wattage	10.6W	9.6W	10.2W	10W	10.4W
Input power	10.6W	9.6W	10.2W	10W	10.4W
Input current	0.09A	0.08A	0.09A	0.08A	0.09A

COMPATIBLE DIMMERS				
Insteon	Leviton	Lutron	Sensorswitch	Synergy/Leviton
2477D	6633-PA	CTCL-153P-WH	nSP5 PCD 2W	ISD 600 I 120/IPI06
	IPL06-LED/INC mode	DV-603P-LA	nSP5 PCD ELV 120	ISD 400 ELV 120/IPE04
	6615-P	CT-603PR-WH		
		DVELV-300P		
		NTELV-300P		
		NLV600		
		300P-SELV		
		DV-600P		
		AYCL-153P-WH		
		Caseta PD-6WCL*		

*Requires Lutron Smart Bridge L-BDG2-WH for wireless applications (sold separately)

LIGHTING FACTS

