



Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# 6" IC LED RETROFIT DOWNLIGHT TRIM



600 LUMEN  
**J6RLG3**



## PRODUCT DESCRIPTION

All-in-one 6" LED Retrofit downlight trim installs into existing 6" incandescent housings with medium base sockets or Juno IC23-LEDT24 and IC23R-LEDT24 quick connect recessed housings • May be used in housings completely covered with insulation • Selection of interchangeable baffle and cone trim inserts can be changed in the field to customize the look of the product • Dimmable with most standard incandescent or electronic low voltage dimmers • Designed to provide 50,000 hours of life • 5 year limited warranty on LED components.

## ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 65W BR30 incandescent while consuming less than 11W\*



## PRODUCT SPECIFICATIONS

**LED Retrofit Downlight Trim** Aluminum housing with white painted flange as standard • All-in-one design where LED light engine mounts directly to trim • Quick release slot allows for field changing of trim inserts • Provided with torsion springs as standard • Accessory kit available for use in housings that do not have torsion spring retaining brackets.

**LED Light Engine** LED array integrated to one piece high purity aluminum, thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LED • Light engine incorporates the latest generation, high lumen output LED array • LEDs are binned to standards that exceed ENERGY STAR® requirements yielding superior fixture to fixture color uniformity • 2700K, 3000K, 3500K or 4100K color temperature available • 83 CRI typical.

**LED Driver** Dedicated 120 volt driver • Power factor > 0.9 at 120V input • Dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • For a list of compatible dimmers, see [JUNOLEDG3-DIM](#) and reference dimmer list for dedicated 120V only housing.

**Trim Inserts** Choice of baffle or cone inserts in a selection of finishes ship installed in trim • Interchangeable design allows the inserts to be changed in the field • All inserts available to order as an accessory.

**Optical System** Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs • Efficient system that can produce over 600 lumens while using less than 11W\*.

**Electrical Connections** Trim features quick connect plug installed as standard for installation into IC23-LEDT24 and IC23R-LEDT24 housings with mating connector • Trim ships with a medium base socket adapter whip for installation into 6" incandescent housings with medium base sockets.

**Life** Rated for 50,000 hours at 70% lumen maintenance.

**Labels** ENERGY STAR® Qualified to luminaires V1.1 requirements when used with select baffle and cone inserts • Certified to the high efficiency requirements of California T24-2008 • Suitable for wet locations • Union made • UL and cUL classified for use with 6" incandescent medium based housings and Juno IC23-LEDT24 or IC23R-LEDT24.

**Testing** All reports are based on published industry procedures; field performance may differ from laboratory performance.

Product specifications subject to change without notice.

## COMPATIBLE HOUSINGS

The J6RLG3 retrofit module is compatible with most 6" recessed housings measuring at least 5-1/4" high with an inside diameter between 6" and 6-3/4". Removal of the housing socket plate or socket mounting bracket may be required in order for the trim to fit properly. If housing does not have torsion spring brackets, the V6RL-TRB accessory is required. Compatible housings include, but not limited to:

**Juno housings:** IC2 and TC2 Series, IC22 Series, IC23 Series, IC21 Series

**VuLite housings:** V6IC and V6TC Series

**Halo housings:** H7 Series

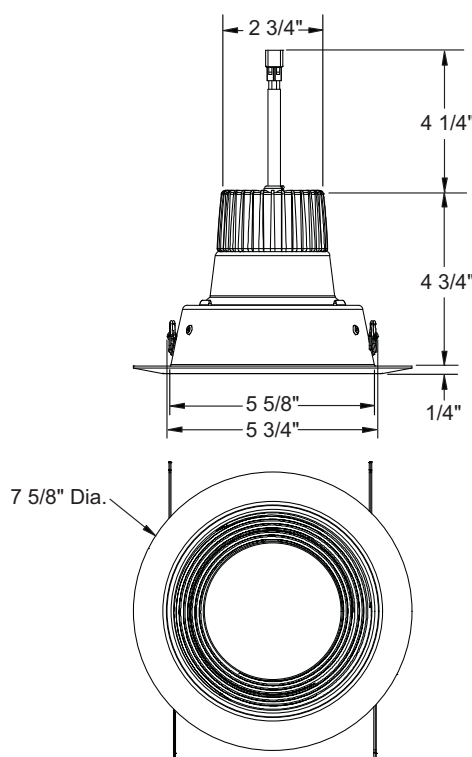
**Thomas housings:** PS1 and PS3 Series

**Capri housings:** QL1 Series

**Lithonia housings:** L7X and LC6 Series

\* Nominal input wattage under stable operating conditions.

## DIMENSIONS



## ELECTRICAL DATA

120V	
Input Power	10.5W (+/-5%)
Input Current - Max	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C

## ACCESSORIES

Catalog No.	Description
V6RL-TRB	Torsion receiver bracket kit to install trim into housings that do not have torsion receiver brackets

To order, specify catalog number.

# 6" IC LED RETROFIT DOWNLIGHT TRIM

600 LUMEN

**J6RLG3**

**ORDERING INFORMATION:** Retrofit and accessories each ordered separately.

Example: **J6RLG3-27K-6-WWH**

Downlight Retrofit	Color Temperature	Lumen Package	Trim
<b>J6RLG3</b>	<b>27K</b> 2700K <b>3K</b> 3000K <b>35K</b> 3500K <b>41K</b> 4100K	<b>6</b> 600 Lumen	<b>WWH</b> White Baffle <b>BWH</b> Black Baffle <b>CLW</b> Clear Cone <b>WHW</b> White Cone <b>HZW</b> Haze Cone <b>WZW</b> Wheat Haze Cone

<sup>1</sup>Not ENERGY STAR rated

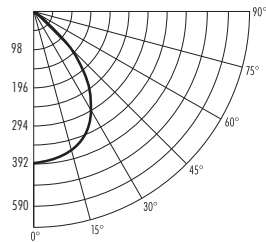
## ACCESSORIES

Catalog No.	Description
<b>J6RLTRIM-WWH</b>	White Baffle Trim Insert
<b>J6RLTRIM-BWH</b>	Black Baffle Trim Insert
<b>J6RLTRIM-CLW</b>	Clear Cone Trim Insert
<b>J6RLTRIM-WHW</b>	White Cone Trim Insert
<b>J6RLTRIM-HZW</b>	Haze Cone Trim Insert
<b>J6RLTRIM-WZW</b>	Wheat Haze Cone Trim Insert

To order, specify catalog number.

## PHOTOMETRIC REPORT

Test Report #: PT12110101R  
Catalog No: J6RLG3-27K-6-WWH  
with White Baffle Trim  
Luminaire Spacing Criterion: 1.14  
Luminaire LPW: 58



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	392	
5	388	
15	367	
25	329	
35	243	
45	105	
55	48	
65	26	
75	11	
85	1	
90	0	

Multiplier: 3K - 1.02  
35K - 1.03  
41K - 1.04

## AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	41	34	29
5.0'	26	22	18
6.0'	18	15	13
7.0'	15	12	10
8.0'	12	10	8
9.0'	9	7	6
10.0'	7	5	5

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	291	N/A	47.6
0-40°	439	N/A	72.0
0-60°	570	N/A	93.4
0-90°	610	N/A	100.0

## INITIAL FOOTCANDLES

(One Unit, 10.5W, 76.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	24.5	6.3'
6	10.9	9.5'
8	6.1	12.6'
10	3.9	15.8'

## LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	8104
55	4604
65	3323
75	2388
85	645

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

## PERFORMANCE DATA<sup>1</sup>

Catalog Number	Trim	Watts (Typical)	Lumens	Efficacy (LPW)	Rated Life (Hours)
<b>J6RLG3-27K-6-CLW</b>	Clear	10.5W	630	60	50,000
<b>J6RLG3-27K-6-HZW</b>	Haze	10.5W	621	59	50,000
<b>J6RLG3-27K-6-WWH</b>	White Baffle	10.5W	610	58	50,000
<b>J6RLG3-3K-6-CLW</b>	Clear	10.5W	641	61	50,000
<b>J6RLG3-3K-6-HZW</b>	Haze	10.5W	632	60	50,000
<b>J6RLG3-3K-6-WWH</b>	White Baffle	10.5W	621	59	50,000
<b>J6RLG3-35K-6-CLW</b>	Clear	10.5W	647	62	50,000
<b>J6RLG3-35K-6-HZW</b>	Haze	10.5W	637	61	50,000
<b>J6RLG3-35K-6-WWH</b>	White Baffle	10.5W	626	60	50,000
<b>J6RLG3-41K-6-CLW</b>	Clear	10.5W	655	62	50,000
<b>J6RLG3-41K-6-HZW</b>	Haze	10.5W	645	61	50,000
<b>J6RLG3-41K-6-WWH</b>	White Baffle	10.5W	634	60	50,000

<sup>1</sup>Performance data, including Rated Life, is based on measurements of an individual fixture operating in a 25°C ambient.



1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (847) 827-9880 • Fax (847) 827-2925  
220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064  
Visit us at [www.junolightinggroup.com](http://www.junolightinggroup.com)

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