

Juno Generation 3 4" IC-Rated 600 Lumen LED Downlights

Small aperture recessed LED downlights for residential, retail, and commercial applications



JUNO LIGHTING GROUP
by Schneider Electric



Juno Generation 3 4" IC-Rated 600 Lumen LED Downlights



Ultra-efficient LED lighting with extra style and flair

The smaller aperture of the 4-inch, Juno Generation 3 LED downlight offers the “designer-look” that perfectly complements many of today’s upscale residential and commercial interiors.

These ultra-efficient fixtures produce over 600 lumens of brilliant white light, while requiring just 10.5-watts* input, to deliver over 60 lumens per watt. Offered in new construction or remodel housing styles, they are approved for use in both insulated and non-insulated ceilings. They include push-in electrical connectors and all the easy-installation features Juno is famous for.

* Nominal input wattage at 120-volt operation with dedicated 120-volt driver under stable operating conditions.



IC1LEDG3 Series



IC1RLEDG3 Series



C. Low-glare, high-efficiency optics: The reflector and high-transmission diffusing lens are optimized for the smaller 4" aperture, resulting in an optic system that provides uniform light distribution and reduced glare. The lens also serves to conceal the LED light source, producing an aesthetic similar to a deeply regressed PAR20 lamp.

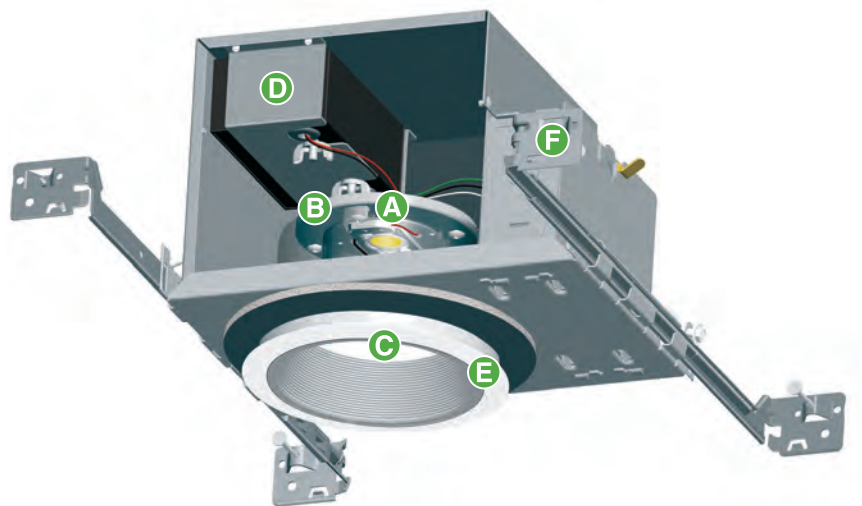
D. LED driver options: Specify either dedicated 120-volt driver with forward and reverse phase dimming or universal voltage driver (120-277V) with 0-10 dimming.

E. Extensive trim selection: The 4", Generation 3 LED recessed housing is compatible with a wide range of existing Juno open and lensed trims.

F. Easy installation: Low profile housing permits easy installation in a wide range of applications and fits nicely within 2 x 6 ceiling joists for shallow applications. New-construction housings are supplied with the Juno Real Nail 3® bar hanger system. For suspended ceilings, the integral T-bar notch can be used to secure the housing onto the ceiling grid – no accessory clips required.

A. Generation 3 LED light engine: Advanced LED technology produces 600 lumens from just 10.5-watts* input. LEDs are binned to ENERGY STAR® requirements and provide superior fixture-to-fixture color uniformity. Color temperatures of 2700K, 3000K, 3500K, and 4100K are available; 83 CRI typical.

B. Superior thermal management: Double wall, shallow construction. LED array is attached to high-purity aluminum, thermally conductive inner housing and heat sink, which provides superior heat transfer to ensure long life of LEDs. At the end of their 50,000 hour rated life, the LEDs can be expected to produce 70% of their initial light output with no perceptible changes in color.



* Nominal input wattage at 120-volt operation with dedicated 120-volt driver under stable operating conditions.

4" IC-Rated 600 Lumen Generation 3 LED Downlight Ordering Information

For new construction or remodel applications, you can add energy-efficient LED lighting from Juno. 4" housing is compatible with a variety of trims to complement virtually any design.

4" New Construction



IC1LEDG3 Series

Dedicated 4" LED new construction housing, with integral 10.5W* or 12W* nominal light engine, with choice of dimmable drivers: dedicated 120 volt driver with forward phase and ELV dimming or universal 120V-277V driver with 0-10V dimming. Shallow housing construction allows for fit in 2 x 6 construction. IC housing designed for use with IC or non-IC construction. 12 1/4" L x 6 3/4" W x 6" H
4 1/2" Ceiling Cutout

Housing	Color Temp.	Input Voltage
IC1LEDG3	27K 2700K	1 Dedicated 120V Only, (forward phase and ELV dimming)
	3K 3000K	
	35K 3500K	U Universal Voltage 120-277V, (0-10V dimming)
	41K 4100K	

Example: **IC1LEDG3-27K-1**

4" Remodel



IC1RLEDG3 Series

Dedicated 4" LED remodel housing, with integral 10.5W* or 12W* nominal light engine, with choice of dimmable drivers: dedicated 120 volt driver with forward phase and ELV dimming or universal 120V-277V driver with 0-10V dimming. Shallow housing construction allows for fit in 2 x 6 construction. Air-Loc gasket kit supplied with housing. IC housing designed for use with IC or non-IC construction. 14 1/8" L x 4 3/4" W x 4 3/8" H
4 1/2" Ceiling Cutout

Housing	Color Temp.	Input Voltage
IC1RLEDG3	27K 2700K	1 Dedicated 120V Only, (forward phase and ELV dimming)
	3K 3000K	
	35K 3500K	U Universal Voltage 120-277V, (0-10V dimming)
	41K 4100K	

Example: **IC1RLEDG3-27K-1**

* Nominal input wattage at 120-volt operation with dedicated 120-volt driver under stable operating conditions.

4" LED Downlight Trims

Downlights



Pinhole with Integral Shield
13-WH



Baffle
14B-WH Black
14B-SC Black
14B-ABZ Black
14B-BL Black
14W-WH White



Cone
17C-WH Clear Alzak®
17G-WH Gold Alzak®
17B-WH Black Alzak®
17PT-SC Pewter Alzak®
17W-WH Gloss White
17HZ-WH Haze
17WHZ-WH Wheat Haze
17WHZ-ABZ Wheat Haze

Decorative



Beveled Cylinder
4103FROST-WH
4103FROST-SC

Alzak is a registered trademark of Alcoa Corp.

Note: In Canada when insulation is present, Type IC fixtures must be used.

Decorative



Beveled Cone
4104HZ-SC Haze
4104WHZ-ABZ Wheat Haze



Glass Cylinder
4150MESH-SC

Lensed



Drop Opal
11-WH



Frosted Lens with Clear Center
12W-WH
12W-SC
12W-ABZ



Beveled Dome - Lensed
4101-ABZ
4101-SC
4101-WH



Beveled Lensed
4102-ABZ
4102-SC
4102-WH

Regulatory Listings & Standards

- UL and C-UL Listed for Damp Location and Wet Location when used with lensed trims
- Listed for Direct Contact with Insulation
- UL and C-UL Listed for Feed-Thru Wiring
- ENERGY STAR® Qualified to luminaires V1.1 requirements when used with select trims
- Juno's sealed recessed IC LED housings meet IECC AirLoc® Code requirements per ASTM E283 for minimum leakage with IC housing
- RoHS Compliant
- Juno LED Downlights are certified to meet the high efficacy requirements of California Title 24-2008.



Trim Finishes

ABZ Classic Aged Bronze
WH White

SC Satin Chrome
BL Black

Qualified Dimmers

Dedicated 120-volt fixtures (-1): Meets ENERGY STAR® dimming requirements. Compatible with incandescent, magnetic low voltage or electronic low voltage wall box dimmers.

Universal voltage fixtures (-U): Meets ENERGY STAR® dimming requirements. Compatible with 0-10V wall box dimmers. Refer to www.junolightinggroup.com for specific list of Juno Lighting Group recommended dimmer model numbers.

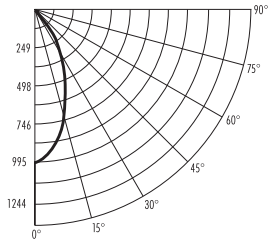
4" IC-Rated 600 Lumen Generation 3 LED Downlight Photometric Information

White Baffle

IC1LEDG3-35K and IC1RLEDG3-35K with 14W-WH

Photometric Report

Test Report #: LTL26325R
 Catalog No: IC1LEDG3-35K-1
 with 14W-WH Trim
 Luminaire Spacing Criterion: 0.70
 Luminaire LPW: 66



Candlepower Distribution

(Candelas)	
Degrees Vertical	0°
0	995
5	960
15	713
25	410
35	189
45	63
55	26
65	12
75	7
85	0
90	0

Multiplier: 27K - 0.90
 3K - 0.97
 41K - 1.04

Average Initial Footcandles

Multiple Units (Square Array, 60' x 60' room)
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	47	40	34
5.0'	30	25	22
6.0'	21	18	15
7.0'	17	14	12
8.0'	13	11	10
9.0'	10	9	7
10.0'	8	6	5

Initial Footcandles

(One Unit, 10.4W, 43.8° Beam)

Distance to Footcandles Illuminated Plane (Ft.)	Beam Center	Beam Diameter
4	62.2	3.2'
6	27.6	4.8'
8	15.5	6.4'
10	10.0	8.0'

Luminance (Average cd/m²)

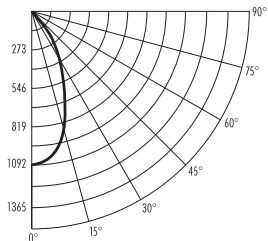
Degrees	Average Luminance
45	14372
55	7246
65	4416
75	4605
85	0

Clear Cone

IC1LEDG3-35K and IC1RLEDG3-35K with 17C-WH

Photometric Report

Test Report #: LTL26327R
 Catalog No: IC1LEDG3-35K-1
 with 17C-WH Trim
 Luminaire Spacing Criterion: 0.70
 Luminaire LPW: 68



Candlepower Distribution

(Candelas)	
Degrees Vertical	0°
0	1092
5	1072
15	798
25	448
35	184
45	60
55	18
65	2
75	0
85	0
90	0

Multiplier: 27K - 0.90
 3K - 0.97
 41K - 1.04

Average Initial Footcandles

Multiple Units (Square Array, 60' x 60' room)
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	49	41	35
5.0'	31	26	22
6.0'	22	18	16
7.0'	18	15	13
8.0'	14	12	10
9.0'	11	9	8
10.0'	8	7	6

Initial Footcandles

(One Unit, 10.4W, 84.6° Beam)

Distance to Footcandles Illuminated Plane (Ft.)	Beam Center	Beam Diameter
4	68.3	3.2'
6	30.3	4.8'
8	17.1	6.4'
10	10.9	8.1'

Luminance (Average cd/m²)

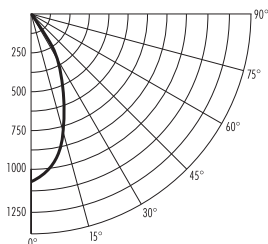
Degrees	Average Luminance
45	13551
55	5168
65	779
75	0
85	0

Haze Cone

IC1LEDG3-35K and IC1RLEDG3-35K with 17HZ-WH

Photometric Report

Test Report #: LTL26326R
 Catalog No: IC1LEDG3-35K-1
 with 17HZ-WH Trim
 Luminaire Spacing Criterion: 0.70
 Luminaire LPW: 67



Candlepower Distribution

(Candelas)	
Degrees Vertical	0°
0	1055
5	1016
15	750
25	436
35	182
45	61
55	21
65	5
75	1
85	0
90	0

Multiplier: 27K - 0.90
 3K - 0.97
 41K - 1.04

Average Initial Footcandles

Multiple Units (Square Array, 60' x 60' room)
 Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	47	40	34
5.0'	30	25	22
6.0'	21	18	15
7.0'	17	14	12
8.0'	13	11	10
9.0'	10	9	7
10.0'	8	6	5

Initial Footcandles

(One Unit, 10.4W, 43.8° Beam)

Distance to Footcandles Illuminated Plane (Ft.)	Beam Center	Beam Diameter
4	65.9	3.2'
6	29.3	4.8'
8	16.5	6.4'
10	10.6	8.1'

Luminance (Average cd/m²)

Degrees	Average Luminance
45	13773
55	5906
65	1744
75	364
85	0

Juno Recessed LED Downlights... energy-efficient fixtures for standard ceilings, sloped ceilings, and limited space applications.

Juno Recessed LED Downlights are setting new standards for efficiency, performance and application diversity. Standard ceilings or sloped; IC or TC rated; new construction or remodel ... the Juno line of recessed LED fixtures is at the forefront of lighting technology. Designed and engineered in the USA to the highest quality standards.



Juno Generation 3 Technology, 5" and 6", IC-Rated, 600 & 900 Lumen LED Downlights for new construction and remodel installations.



Juno 6", IC-Rated Super Slope LED Downlight for new construction installations, accommodating a pitch of 7/12 to 12/12 (30° to 45°).



Juno 5" and 6", TC-Rated, 900 Lumen LED Downlight for new construction installations.



Juno 2-1/4", IC-Rated Mini LED Downlight



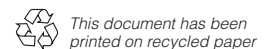
Juno 6", IC-Rated Standard Slope LED Downlight for new construction installations, accommodating a pitch of 2/12 to 6/12 (9° to 27°).



Juno 2-5/8", IC-Rated Mini LED Gimbal

Juno Lighting Group, LLC.

1300 South Wolf Road
Des Plaines, IL 60018
Tel: 847-827-9880
Fax: 847-827-2457
www.junolightinggroup.com



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