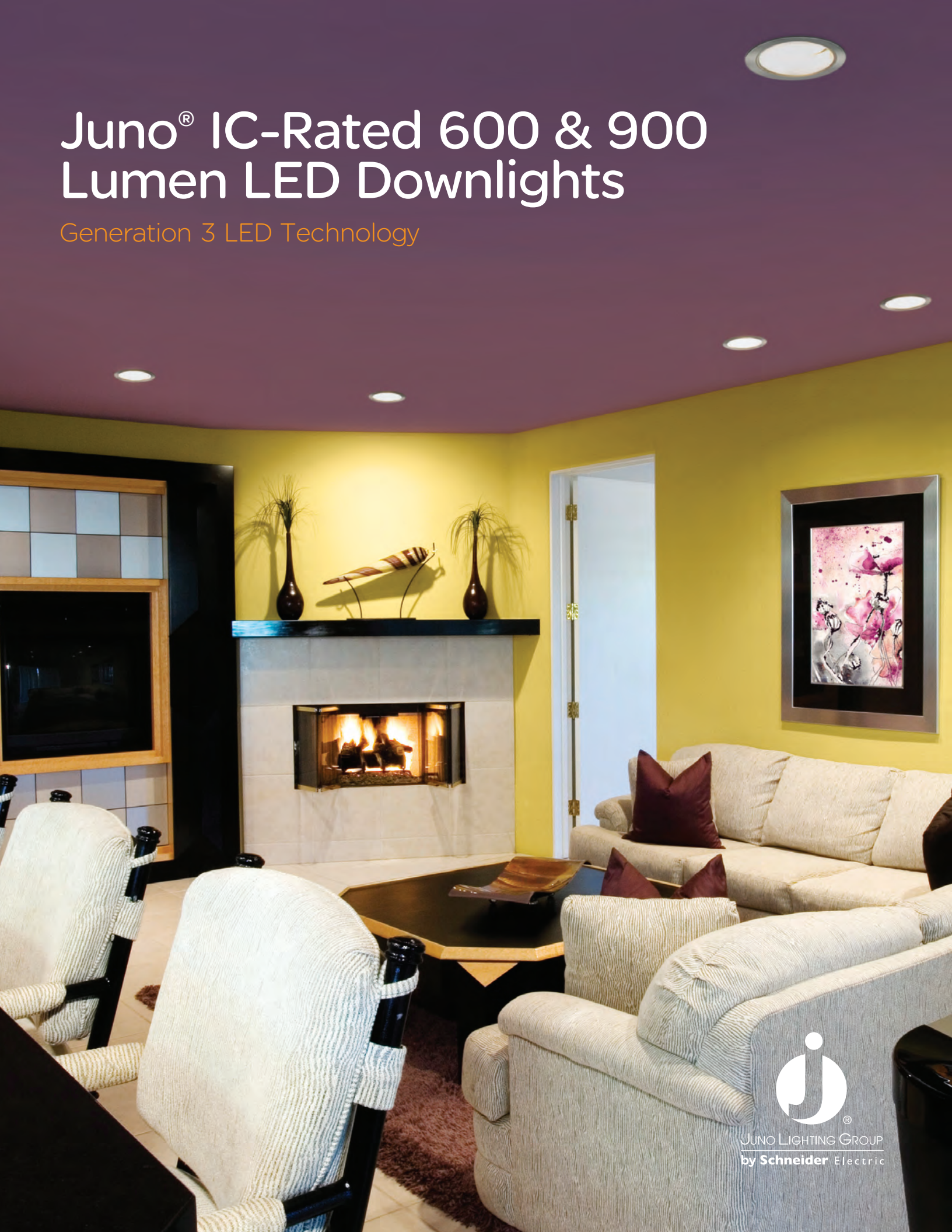


# Juno® IC-Rated 600 & 900 Lumen LED Downlights

Generation 3 LED Technology



JUNO LIGHTING GROUP  
by Schneider Electric



## Juno Generation 3 5" and 6" IC-Rated 600 & 900 Lumen LED Downlights



**Offering ultra-efficient, high-performance illumination for residential and commercial applications.**

With the introduction of its Generation 3 LED downlights, Juno has taken the next step in the development of LED lighting. Juno LEDs now feature greater efficiency, higher performance, and more sophisticated optics than ever before.

For the new Generation 3 LED line, Juno has reduced the energy consumption of its 600-lumen, IC-rated downlight by over 25% and added a new 900-lumen IC-rated downlight that consumes just 14.6 watts\*. Juno Generation 3, IC-rated,

600- and 900-lumen LED downlights provide superior illumination for both standard and high ceiling applications. Designed for new construction or remodel applications, they are approved for use in both insulated and non-insulated ceilings. Juno Generation 3 LED Downlights include push-in electrical connectors and all the easy-installation features Juno is famous for.





Juno Generation 3, 5" and 6", IC-Rated, 600 & 900 Lumen LED Downlights are available in four optics. Wide flood beam pattern is standard; medium, narrow flood and spot are also available. Reflector styles can be changed easily via the convenient twist and lock accessory feature.

**A. Advanced thermal management:** Single piece thermally conductive aluminum housing is secured to plaster frame and draws heat away from the LEDs through the continuous layer of metal.

**B. Generation 3 LED light engine:** The light engine features the latest in high-performance LED arrays. The 600-lumen fixture uses just 10.5-watts\* input; the 900-lumen fixture just 14.6 watts\*. LEDs are binned to ENERGY STAR® requirements and provide superior fixture-to-fixture color uniformity. Available color temperatures are 2700K, 3000K, 3500K, and 4100K with 83 CRI typical.

**C. Extensive trim options:** Generation 3 LED recessed housings are compatible with a broad selection of existing Juno 5" and 6" open and lensed trims. A dedicated LED scoop trim is also available for wall wash applications.

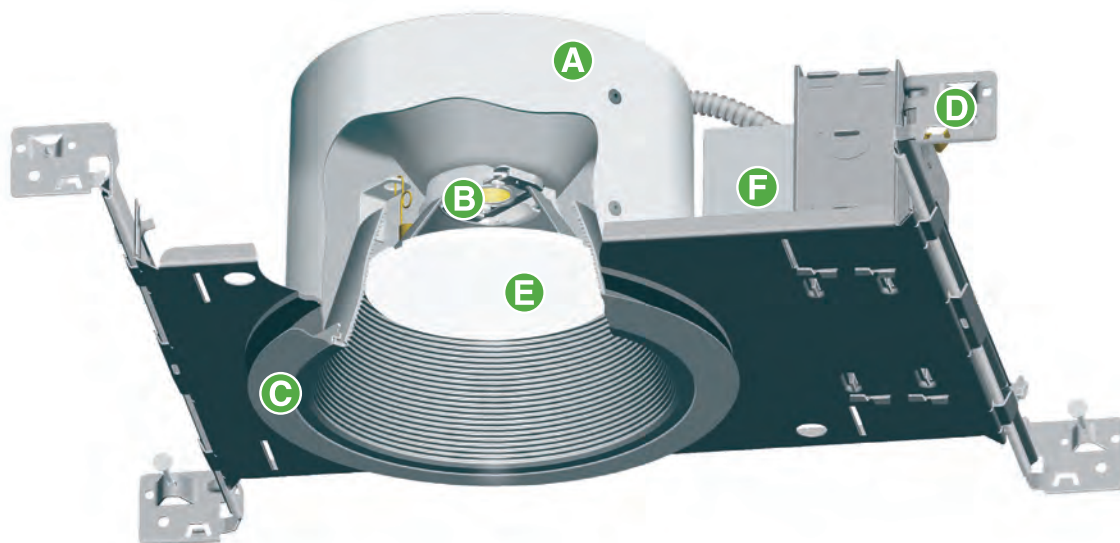
**D. Easy installation:** New, lower-profile housing permits easy installation in a wide range of applications and fits nicely within the 2 x 6 ceiling joists for shallow applications. New-construction housings are supplied with

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.

**E. High-efficiency, low-brightness optics:** Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs and produces uniform aperture luminance. From below, it looks like an incandescent fixture with a deeply regressed PAR30 lamp. Alternate optics are available for all 5" and 6" Generation 3 fixtures. Wide-flood beam pattern is standard; medium, narrow flood and spot are also available. Reflector styles can be changed easily via the convenient twist and lock accessory feature.

**F. 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.

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



# 5" IC-Rated 600 and 900 Lumen Generation 3 LED Downlight Ordering Information

For new construction or remodel applications, you can add energy-efficient LED lighting from Juno. 5" housing is compatible with a variety of trims to complement virtually any design.

## 5" New Construction



Shown with universal voltage driver.



### IC20LEDG3 Series IC920LEDG3 Series

Dedicated 5" LED new construction housing with integral 10.5W\* or 14.6W\* nominal light engine. Choice of dedicated 120 volt driver with forward phase and ELV dimming or universal voltage driver with 0-10V dimming that accommodates input voltages from 120-277 volts AC. Shallow housing allows for fit in 2 x 6 construction. Air-Loc fully sealed housing does not require separate gasket. IC housing designed for use in IC or non-IC construction. 15 3/4" L x 9 1/8" W x 4 7/8" H  
Ceiling Cutout: 5 5/8"

	Housing	Color Temp.	Input Voltage
10.5W 600 Lumen	<b>IC20LEDG3</b>	<b>27K</b> 2700K	<b>1</b> Dedicated 120V Only, (forward phase and ELV dimming)
14.6W 900 Lumen	<b>IC920LEDG3</b>	<b>3K</b> 3000K <b>35K</b> 3500K <b>41K</b> 4100K	<b>U</b> Universal Voltage 120-277V, (0-10V dimming)

Example: **IC20LEDG3-27K-1**

## 5" Remodel



Shown with dedicated 120 volt driver.



### IC20RLEDG3 Series IC920RLEDG3 Series

Dedicated 5" LED remodel housing with integral 10.5W\* or 14.6W\* nominal light engine. Choice of dedicated 120 volt driver with forward phase and ELV dimming or universal voltage driver with 0-10V dimming that accommodates input voltages from 120-277 volts AC. Shallow housing allows for fit in 2 x 6 construction. Air-Loc gasket kit supplied with housing. IC housing designed for use in IC or non-IC construction. 13 1/2" L x 5 7/8" W x 4 7/8" H  
Ceiling Cutout: 5 1/2"

	Housing	Color Temp.	Input Voltage
10.5W 600 Lumen	<b>IC20RLEDG3</b>	<b>27K</b> 2700K	<b>1</b> Dedicated 120V Only, (forward phase and ELV dimming)
14.6W 900 Lumen	<b>IC920RLEDG3</b>	<b>3K</b> 3000K <b>35K</b> 3500K <b>41K</b> 4100K	<b>U</b> Universal Voltage 120-277V, (0-10V dimming)

Example: **IC20RLEDG3-27K-1**

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

## 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 baffle and cone 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.



## 5" LED Downlight Trims

### Downlights



**Downlight Baffle**  
205W-WH White  
205B-WH Black  
205B-SC Black  
205B-ABZ Black



**Downlight Cone**  
204C-WH Clear Alzak®  
204G-WH Gold Alzak®  
204B-WH Black Alzak®  
204PT-SC Pewter Alzak®  
204W-WH Gloss White  
204HZ-WH Haze  
204WHZ-WH Wheat Haze  
204WHZ-ABZ Wheat Haze



### Wall Wash



**Wall Wash**  
213G3W-WH White Baffle  
213G3B-WH Black Baffle

### Lensed



**Flat Glass Shower Trim\***  
210-ABZ  
210-SC  
210-WH



**Frosted Lens with Clear Center\***  
212-ABZ  
212-SC  
212-WH



**White Baffle, Regressed Frosted Dome Lens\***  
2130W-WH  
2130B-WH



**Beveled Frame, Frosted Dome Lens\***  
5101-ABZ  
5101-SC  
5101-WH



ENERGY STAR® qualification and T24 certification is dependant on trim finish and LED color temperature. See housing spec sheet on [junolightinggroup.com](http://junolightinggroup.com) for specific information for each trim.

\* Do not use reflector shipped with trim when used with LED housing. Discard or recycle reflector.

## Trim Finishes

**ABZ** Classic Aged Bronze    **SC** Satin Chrome    **WH** White

## Qualified Dimmers

Both dedicated 120-volt and universal voltage fixtures meet ENERGY STAR® dimming requirements. Dedicated 120-volt fixtures (-1) are compatible with incandescent, magnetic low voltage or electronic low voltage wall box dimmers. Universal voltage fixtures (-U) are compatible with 0-10V wall box dimmers.

Refer to [www.junolightinggroup.com](http://www.junolightinggroup.com) for specific list of Juno Lighting Group recommended dimmer model numbers.

## Accessories



**Catalog Number**  
LEDOPTICG3-M  
LEDOPTICG3-N  
LEDOPTICG3-S

**Description**  
Medium Flood Optic (50° beam)  
Narrow Flood Optic (37° beam)  
Spot Optic (10° beam)

# 5" IC-Rated 600 and 900 Lumen Generation 3 LED Downlight Photometric Information

## White Baffle

## IC20LEDG3-35K and IC20RLEDG3-35K with 205W-WH

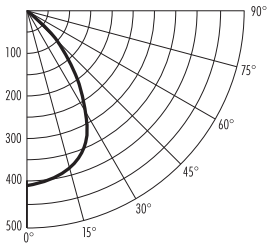
### Photometric Report

Test Report #: LTL25982

Catalog No: IC20LEDG3-35K with 205W-WH Trim and standard wide flood optic

Luminaire Spacing Criterion: 1.10

Luminaire LPW: 60.3



### Candlepower Distribution

(Candelas)

Degrees Vertical	0°
0	408
5	406
15	389
25	337
35	228
45	108
55	58
65	32
75	19
85	5
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'	44	37	31
5.0'	28	23	20
6.0'	19	16	14
7.0'	16	13	11
8.0'	12	10	9
9.0'	10	8	7
10.0'	7	6	5

### Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0 - 30°	302	N/A	47.3
0 - 40°	442	N/A	69.5
0 - 60°	580	N/A	91.1
0 - 90°	637	N/A	100.0

### Initial Footcandles

(One Unit, 10.6W , 73.4° Beam)

Distance to Footcandles Illuminated Plane (Ft.)	Beam Center	Beam Diameter
4	25.5	6.0'
6	11.3	8.9'
8	6.4	11.9'
10	4.1	14.9'

### Luminance (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	15700
55	10350
65	7793
75	7525
85	5385

## White Baffle

## IC920LEDG3-35K and IC920RLEDG3-35K with 205W-WH

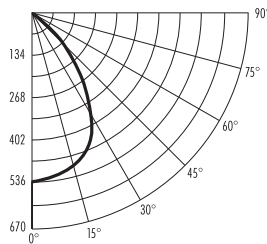
### Photometric Report

Test Report #: LTL25985R

Catalog No: IC920LEDG3-35K with 205W-WH Trim and standard wide flood optic

Luminaire Spacing Criterion: 1.10

Luminaire LPW: 56



### Candlepower Distribution

(Candelas)

Degrees Vertical	0°
0	536
5	534
15	511
25	441
35	299
45	142
55	76
65	42
75	25
85	6
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'	57	48	41
5.0'	37	31	26
6.0'	26	21	18
7.0'	21	17	15
8.0'	16	14	12
9.0'	13	10	9
10.0'	9	8	7

### Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0 - 30°	396	N/A	47.3
0 - 40°	580	N/A	69.4
0 - 60°	761	N/A	91.1
0 - 90°	835	N/A	100.0

### Initial Footcandles

(One Unit, 14.9W , 73.3° Beam)

Distance to Footcandles Illuminated Plane (Ft.)	Beam Center	Beam Diameter
4	33.5	6.0'
6	14.9	8.9'
8	8.4	11.9'
10	5.4	14.9'

### Luminance (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	20608
55	13605
65	10197
75	9807
85	6956

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.

## Lumens Chart

5" Generation 3 LED Downlight	Trim Style					
	White Baffle	Clear Cone	Haze Cone	Wheat Haze Cone	Lensed	Wall Wash
	205W-WH	204C-WH	204HZ-WH	204WHZ-WH	210-WH	213G3W-WH
IC20LEDG3-35K / IC20RLEDG3-35K	637	711	679	665	429	412
IC920LEDG3-35K / IC920RLEDG3-35K	835	900	860	854	571	551

# 6" IC-Rated 600 and 900 Lumen Generation 3 LED Downlight Ordering Information

For new construction or remodel applications, you can add energy-efficient LED lighting from Juno. 6" housing is compatible with a variety of trims to complement virtually any design.

## 6" New Construction

### IC22LEDG3 Series IC922LEDG3 Series

Dedicated 6" LED new construction housing with integral 10.5W\* or 14.6W\* nominal light engine. Choice of dedicated 120 volt driver with forward phase and ELV dimming or universal voltage driver with 0-10V dimming that accommodates input voltages from 120-277 volts AC. Shallow housing allows for fit in 2 x 6 construction. Air-Loc fully sealed housing does not require separate gasket. IC housing designed for use in IC or non-IC construction.  
15 3/4" L x 9 1/8" W x 5 1/8" H  
Ceiling Cutout: 6 7/8"



Shown with universal voltage driver.



Housing	Color Temp.	Input Voltage
10.5W 600 Lumen 14.6W 900 Lumen	<b>IC22LEDG3</b> <b>IC922LEDG3</b>	<b>27K</b> 2700K <b>3K</b> 3000K <b>35K</b> 3500K <b>41K</b> 4100K
		<b>1</b> Dedicated 120V Only, (forward phase and ELV dimming) <b>U</b> Universal Voltage 120-277V, (0-10V dimming)

Example: IC22LEDG3-27K-1

## 6" Remodel

### IC22RLEDG3 Series IC922RLEDG3 Series

Dedicated 6" LED remodel housing with integral 10.5W\* or 14.6W\* nominal light engine. Choice of dedicated 120 volt driver with forward phase and ELV dimming or universal voltage driver with 0-10V dimming that accommodates input voltages from 120-277 volts AC. Shallow housing allows for fit in 2 x 6 construction. Air-Loc gasket kit supplied with housing. IC housing designed for use in IC or non-IC construction.  
14 1/2" L x 7 1/4" W x 5 1/8" H  
Ceiling Cutout: 6 3/4"



Shown with dedicated 120 volt driver.



Housing	Color Temp.	Input Voltage
10.5W 600 Lumen 14.6W 900 Lumen	<b>IC22RLEDG3</b> <b>IC922RLEDG3</b>	<b>27K</b> 2700K <b>3K</b> 3000K <b>35K</b> 3500K <b>41K</b> 4100K
		<b>1</b> Dedicated 120V Only, (forward phase and ELV dimming) <b>U</b> Universal Voltage 120-277V, (0-10V dimming)

Example: IC22RLEDG3-27K-1

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

## 6" LED Downlight Trims

### Downlights



**Downlight Baffle**  
24W-WH White  
24B-WH Black  
24B-SC Black  
24B-ABZ Black  
24B-BL Black



**Downlight Cone**  
27C-WH Clear Alzak®  
27G-WH Gold Alzak®  
27B-WH Black Alzak®  
27PT-SC Pewter Alzak®  
27W-WH Gloss White  
27HZ-WH Haze  
27WHZ-WH Wheat Haze  
27WHZ-ABZ Wheat Haze



### Decorative



**Octagonal**  
9024W-WH



**Luminous Disc (Frosted)**  
9324-SC

### Decorative, continued



**Metal Band**  
9524-SC



**Luminous Collar (Frosted)**  
9702

### Wall Wash



**Wall Wash**  
262G3W-WH White Baffle  
262G3B-WH Black Baffle

### Lensed



**Albalite**  
20-PW Shower/Closet Light  
20-WH



**Drop Opal**  
21-PW Shower/Closet Light  
21-WH



**Fresnel**  
22-WH

### Lensed, continued



**Frosted Lens\***  
239-WH



**Frosted Lens with Clear Center**  
242-ABZ  
242-SC  
242-WH



**Decorative Swirled Etched Opal Glass**  
243-WH



**White Baffle, Regressed Frosted Dome Lens\***  
2330W-WH  
2330B-WH



**Beveled Frame, Frosted Dome Lens\***  
6101-ABZ  
6101-SC  
6101-WH

ENERGY STAR® qualification and T24 certification is dependant on trim finish and LED color temperature. See housing spec sheet on [junolightinggroup.com](http://junolightinggroup.com) for specific information for each trim.

\* Do not use reflector shipped with trim when used with LED housing. Discard or recycle reflector.

## 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 baffle and cone 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      **SC** Satin Chrome      **WH** White  
**PW** Plastic White (Polycarbonate material shower trim)      **BL** Black

## Qualified Dimmers

Both dedicated 120-volt and universal voltage fixtures meet ENERGY STAR® dimming requirements. Dedicated 120-volt fixtures (-1) are compatible with incandescent, magnetic low voltage or electronic low voltage wall box dimmers. Universal voltage fixtures (-U) are compatible with 0-10V wall box dimmers.

Refer to [www.junolightinggroup.com](http://www.junolightinggroup.com) for specific list of Juno Lighting Group recommended dimmer model numbers.

## Accessories



Catalog Number	Description
LEDOPTICG3-M	Medium Flood Optic (50° beam)
LEDOPTICG3-N	Narrow Flood Optic (37° beam)
LEDOPTICG3-S	Spot Optic (10° beam)

# 6" IC-Rated 600 and 900 Lumen Generation LED Downlight Photometric Information

## White Baffle

## IC22LEDG3-35K and IC22RLEDG3-35K with 24W-WH

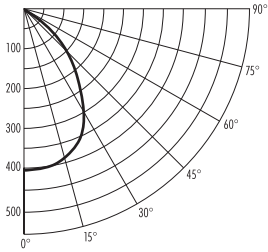
### Photometric Report

Test Report #: LTL25974R

Catalog No: IC22LEDG3-35K  
with 24W-WH Trim and  
standard wide flood optic

Luminaire Spacing Criterion: 1.16

Luminaire LPW: 64



### Candlepower Distribution

(Candelas)

Degrees Vertical	0°
0	404
5	401
15	379
25	337
35	261
45	139
55	61
65	28
75	16
85	4
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'	46	39	33
5.0'	30	25	21
6.0'	21	17	15
7.0'	17	14	12
8.0'	13	11	9
9.0'	10	8	7
10.0'	7	6	5

### Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0 - 30°	300	N/A	44.4
0 - 40°	461	N/A	68.2
0 - 60°	625	N/A	92.5
0 - 90°	675	N/A	100.0

### Initial Footcandles

(One Unit, 10.6W, 79.8° Beam)

Distance to Footcandles Illuminated Plane (Ft.)	Beam Center	Beam Diameter
4	25.3	6.7'
6	11.2	10.0'
8	6.3	13.4'
10	4.0	16.7'

### Luminance (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	11731
55	6304
65	4019
75	3756
85	2961

## White Baffle

## IC922LEDG3-35K and IC922RLEDG3-35K with 24W-WH

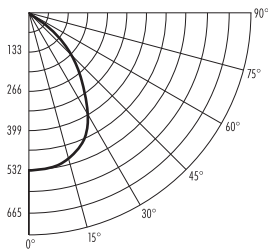
### Photometric Report

Test Report #: LTL25977R

Catalog No: IC922LEDG3-35K  
with 24W-WH Trim and  
standard wide flood optic

Luminaire Spacing Criterion: 1.16

Luminaire LPW: 60



### Candlepower Distribution

(Candelas)

Degrees Vertical	0°
0	531
5	528
15	500
25	444
35	344
45	183
55	80
65	38
75	21
85	6
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'	61	51	44
5.0'	39	33	28
6.0'	27	23	20
7.0'	22	18	16
8.0'	17	15	12
9.0'	13	11	10
10.0'	10	8	7

### Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixture
0 - 30°	395	N/A	44.4
0 - 40°	607	N/A	68.2
0 - 60°	823	N/A	92.5
0 - 90°	890	N/A	100.0

### Initial Footcandles

(One Unit, 14.9W, 79.8° Beam)

Distance to Footcandles Illuminated Plane (Ft.)	Beam Center	Beam Diameter
4	33.2	6.7'
6	14.8	10.0'
8	8.3	13.4'
10	5.3	16.7'

### Luminance (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	15442
55	8313
65	5305
75	4933
85	4091

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.

## Lumens Chart

6" Generation 3 LED Downlight	Trim Style					
	White Baffle	Clear Cone	Haze Cone	Wheat Haze Cone	Lensed	Wall Wash
	24W-WH	27C-WH	27HZ-WH	27WHZ-WH	239-WH	262W-WH
IC22LEDG3-35K / IC22RLEDG3-35K	675	723	701	669	517	433
IC922LEDG3-35K / IC920RLEDG3-35K	890	945	910	890	675	576



# 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, 4", IC-Rated, 600 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

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