

# JUNO®

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

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

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

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

## 5" IC 600 LUMEN LED DOWNLIGHT REMODEL

### IC20RLEDG3 RECESSED HOUSING LENSED TRIMS



#### PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with integral light engine

- Shallow housing allows for fit in 2 x 6 construction
- IC remodel housing for remodel application where back side of ceiling is not accessible
- Installs through an opening in the ceiling from below
- Secured in place by factory installed remodel springs
- Can be completely covered with insulation
- When used with supplied ALG kit, stops infiltration and exfiltration of air, reducing heating and air cooling costs
- LED housing is designed to provide 50,000 hours of life and is compatible with many standard Juno trims
- 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 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

- Replaceable light engine mounts directly to housing and 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 temperatures available
- 83 CRI typical.

**Optical System** Computer-optimized reflector design with high reflectance white finish coupled with a high transmission diffusing lens conceals the LEDs and produces uniform aperture luminance

- Wide flood distribution shipped as standard with optional optic accessories available and sold separately.

**Aesthetic Trim Selections** Compatible with wide selection of existing Juno trims

- Shadow free, knife edge design blends seamlessly into ceiling.
- Trims are wet location approved for covered applications.

**LED Driver** Choice of dedicated 120 volt driver or universal voltage driver that accommodates input voltages from 120-277 volts AC at 50/60Hz

- Power factor > 0.9 at 120V input
- 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers
- Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers
- For a list of compatible dimmers, see JUNOLEDG3-6-DIM
- Mounted between the j-box and housing for easy access and cool operation.

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

**Labels** Certified to the high efficiency requirements of California T24-2008 with select trims

- UL listed for U.S. and Canada wet locations (covered ceilings)
- Union made
- UL and cUL.

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

Product specifications subject to change without notice.

#### HOUSING FEATURES

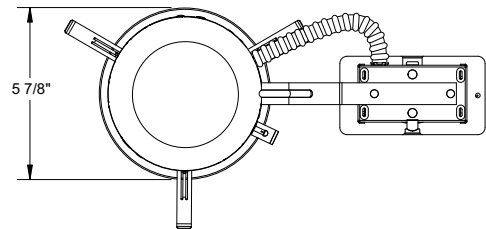
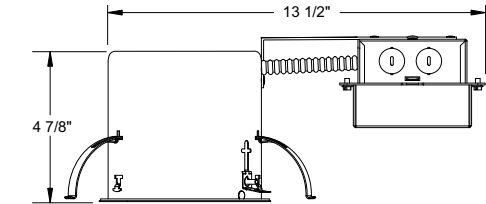
**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc® compliance when used with ALG kit
- Remodel springs accommodate up to 1 1/8" ceiling thickness.

**Junction Box** Pre-wired junction box provided with (5) 1/2" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire

- Knockouts equipped with pryout slots
- Quick connect electrical connectors supplied as standard for fast, secure installation.

#### DIMENSIONS



5 1/2" CEILING CUTOUT

#### ELECTRICAL DATA

##### Dedicated 120V Only Driver Option

120V	
Input Power	10.5W (+/-5%)
Input Current - Max	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 18, Class B (consumer)
Minimum starting temp	-20°C

#### ELECTRICAL DATA

##### Universal Voltage

	120V	277V
Input Power	12W (+/-5%)	12.3W (+/-5%)
Input Current - Max	0.11A	0.055A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class A (non-consumer)	FCC Title 47 CFR, Part 15, Class A (non-consumer)
Minimum starting temp	-40°C	-40°C

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

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## IC20RLEDG3 RECESSED HOUSING

### LENSED TRIMS

**ORDERING INFORMATION:** Housing, trim and accessories each ordered separately.

Example: **IC20RLEDG3-3K-1**






Housing	Color Temperature	Input Voltage
<b>IC20RLEDG3</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 + ELV dimmable)  <b>U</b> Universal Voltage, 120-277V (0-10V dimmable)

### ACCESSORIES

Catalog No.	Description
<b>LEDOPTICG3-M</b>	Medium Flood Optic (50°)
<b>LEDOPTICG3-N</b>	Narrow Flood Optic (37°)
<b>LEDOPTICG3-S</b>	Spot Optic (10°)

To order, specify catalog number.

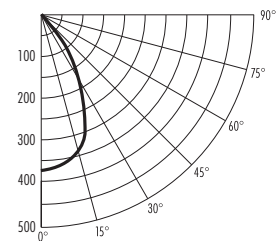
Example: **2130W-WH**

Trim/Description	
	<b>210N-WH<sup>1</sup> *</b> <b>210N-SC<sup>1</sup> *</b> <b>210N-ABZ<sup>1</sup> *</b> Flat Glass Shower Trim
	<b>212N-WH *</b> <b>212N-SC *</b> <b>212N-ABZ *</b> Frosted Lens with Clear Center
	<b>2130W-WH *</b> White Baffle Regressed Frosted Dome Lens with Reflector
	<b>2130B-WH *</b> Black Baffle Regressed Frosted Dome Lens with Reflector
	<b>5101-ABZ *</b> <b>5101-SC *</b> <b>5101-WH *</b> Beveled Frame - Frosted Dome Lens with Reflector

UL Listed for use in wet location.  
<sup>1</sup> 120V: T24 @ 41K only  
 \* Do not use reflector shipped with trim for LED housing.  
 Trim Size: 210, 212, 2130 - 6 1/4" O.D.; 5101 - 6 1/2" O.D.  
 Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White  
 Note: In Canada when insulation is present, Type IC fixtures must be used.  
**Air-Loc** JUNO IC housings meet IECC Energy Code requirements per ASTM E283.  
 Air-Loc® rated trims are pre-gasketed for minimum air leakage with IC housings.

### PHOTOMETRIC REPORT

Test Report #: PT10112502  
 Catalog No: IC20LEDG3-35K  
 with 210-WH Trim  
 and standard wide flood optic  
 Luminaire Spacing Criterion: 0.91  
 Luminaire LPW: 40.5



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	Candelas
0°	372
5°	366
15°	327
25°	241
35°	129
45°	63
55°	33
65°	18
75°	9
85°	2
90°	0

Multiplier: 27K - 0.90  
 3K - 0.97  
 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'	29	25	21
5.0'	19	16	14
6.0'	13	11	9
7.0'	11	9	8
8.0'	8	7	6
9.0'	6	5	5
10.0'	5	4	3

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	239	29.9	55.7
0-40°	321	40.1	74.7
0-60°	399	49.9	93.0
0-90°	429	53.7	100.0

### INITIAL FOOTCANDLES (One Unit, 10.6W, 59.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	23.3	4.6'
6	10.3	6.9'
8	5.8	9.2'
10	3.7	11.5'

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

Degrees	Average Luminance
45	7057
55	4556
65	3385
75	2841
85	1914

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.

