



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

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

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

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

# 4" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC1 RLEDG3 RECESSED HOUSING  
**OPEN 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
- 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, RoHS compliant
- Comparable light output to 65W incandescent while consuming less than 11W\*



## PRODUCT SPECIFICATIONS

**LED Light Engine** LED array attached to high purity aluminum, thermally conductive housing and heat sink provides superior heat transfer to ensure long life of the LED

- Replaceable light engine mounts directly to housing assembly 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 finish coupled with a high transmission diffusing lens conceals the LEDs and produces uniform aperture luminance

- Deep regression of lens produces a low glare, efficient system that can produce over 600 lumens with select trims (see page 2 for details) using less than 11W\*.

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

- Shadow free, knife edge design blends seamlessly into ceiling.

**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-DIM](#)
- Mounted on the j-box for easy access and cool operation.

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

**Labels** ENERGY STAR® qualified to luminaires V1.1 requirements when used with select trims

- Certified to the high efficiency requirements of California T24-2008 with select trims
- UL listed for U.S. and Canada damp locations
- 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

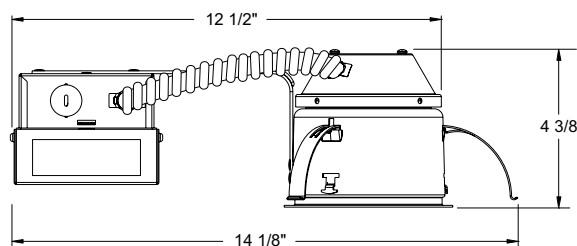
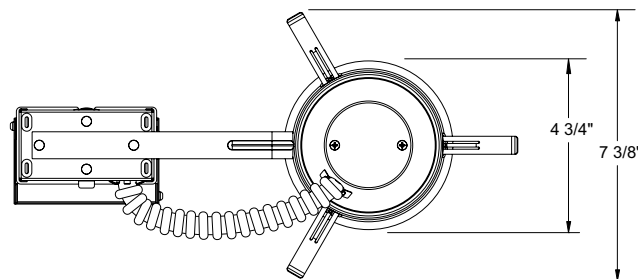
**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc® compliance
- Remodel springs accommodate up to 1 1/2" 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



4 3/8" 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 120-volt driver under stable operating conditions.

# 4" IC 600 LUMEN LED DOWNLIGHT REMODEL

## IC1RLEDG3 RECESSED HOUSING OPEN TRIMS

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

Example: IC1RLEDG3-3K-1			Example: 14W-WH		
Housing	Color Temperature	Input Voltage	Trim/Description		
IC1RLEDG3	27K 2700K 3K 3000K 35K 3500K 41K 4100K	1 Dedicated 120V Only (Forward Phase + ELV dimmable)  U Universal Voltage, 120-277V (0-10V dimmable)		13W-WH	2" Pinhole with Integral Shield
				14B-WH 14B-SC 14B-ABZ 14B-BL 14W-WH	Black Baffle Black Baffle Black Baffle Black Baffle White Baffle
				17C-WH 17G-WH 17B-WH 17PT-SC 17W-WH 17HZ-WH 17WHZ-WH 17WHZ-ABZ	Cone - Clear Alzak® Cone - Gold Alzak® Cone - Black Alzak® Cone - Pewter Alzak® Cone - Gloss White Cone - Haze Cone - Wheat Haze Cone - Wheat Haze
				4103FROST-WH 4103FROST-SC  4104HZ-SC 4104WHZ-ABZ  4150MESH-SC	Beveled Cylinder   Beveled Cone - Haze Beveled Cone - Wheat Haze  Cylinder
			Trim Size: 5" O.D. Trim Finish: ABZ - Classic Aged Bronze, BL - Black, SC - Satin Chrome, WH - White. Alzak is a registered trademark of Alcoa Corp. Note: In Canada when insulation is present, Type IC fixtures must be used.		

### PHOTOMETRIC REPORT

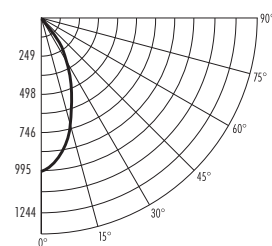
Test Report #: LTL26325R

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'x60' 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

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	473	N/A	68.8
0-40°	592	N/A	86.0
0-60°	667	N/A	96.9
0-90°	689	N/A	100.0

### INITIAL FOOTCANDLES

(One Unit, 10.4W, 43.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles 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

### PHOTOMETRIC REPORT

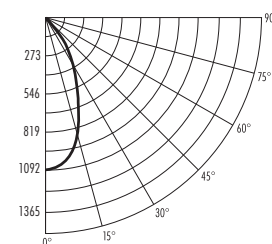
Test Report #: LTL26327R

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'x60' 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

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	524	N/A	73.9
0-40°	642	N/A	90.5
0-60°	707	N/A	99.6
0-90°	710	N/A	100.0

### INITIAL FOOTCANDLES

(One Unit, 10.4W, 43.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles 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

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.