



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

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

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

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

# 6" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC22RLEDG3 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
- 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

- 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\*
- 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.

**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** ENERGY STAR® qualified to luminaires V1.1 requirements when used with select baffle and cone 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

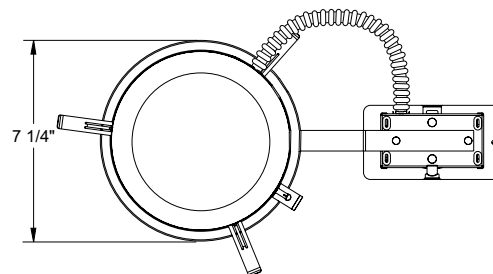
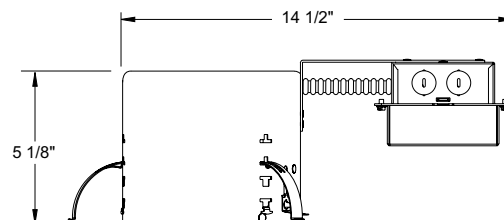
**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc® compliance when used with ALG kit
- Remodel springs accommodate up to 1 7/8" 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



6 3/4" 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 drive under stable operating conditions.

# 6" IC 600 LUMEN LED DOWNLIGHT REMODEL

## IC22RLEDG3 RECESSED HOUSING

## OPEN TRIMS

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

Example: **IC22RLEDG3-3K-1**


















Housing	Color Temperature	Input Voltage
<b>IC22RLEDG3</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: **24W-WH**

Trim/Description	
 <b>24W-WH</b>	Conical White Baffle
 <b>24B-WH<sup>1,2</sup></b>	Conical Black Baffle
 <b>24B-SC<sup>1,2</sup></b>	Conical Black Baffle
 <b>24B-ABZ<sup>1,2</sup></b>	Conical Black Baffle
 <b>24B-BL<sup>1,2</sup></b>	Conical Black Baffle
 <b>27C-WH</b>	Conical Cone in Clear Alzak®
 <b>27G-WH</b>	Conical Cone in Gold Alzak®
 <b>27B-WH<sup>1,2</sup></b>	Conical Cone in Black Alzak®
 <b>27PT-SC</b>	Conical Cone in Pewter Alzak®
 <b>27W-WH</b>	Conical Cone in Gloss White
 <b>27HZ-WH</b>	Conical Cone in Haze
 <b>27WHZ-WH</b>	Conical Cone in Wheat Haze
 <b>27WHZ-ABZ</b>	Conical Cone in Wheat Haze
 <b>9024W-WH</b>	White Octagonal w/ White Baffle
 <b>9324-SC</b>	Luminous Disc (Frosted)
 <b>9524-SC</b>	Chrome Band
 <b>9702</b>	Luminous Collar (Frosted)

Trim Size: 24, 27, 9324, 9524 - 7 $\frac{3}{4}$ " O.D.; 9702 - 7 $\frac{3}{4}$ " O.D.; 9024 - 8" 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.

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

<sup>2</sup> Universal Voltage:

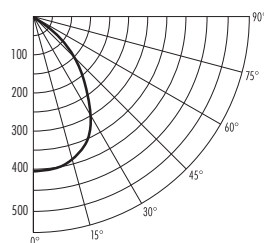
T24 @ 35K, 41K only

### 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'x60' 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 Illuminated Plane (Feet)	Footcandles 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/m²)

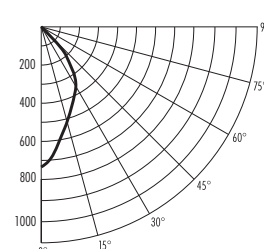
Degrees	Average Luminance
45	11731
55	6304
65	4019
75	3756
85	2961

### PHOTOMETRIC REPORT

Test Report #: LTL25975R  
Catalog No: IC22LEDG3-35K  
with 27C-WH Trim  
and standard wide flood optic

Luminaire Spacing Criterion: 0.78

Luminaire LPW: 69



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	718
5	674
15	512
25	401
35	286
45	137
55	43
65	9
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'	50	42	36
5.0'	32	27	23
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°	390	N/A	53.9
0-40°	566	N/A	78.3
0-60°	713	N/A	98.7
0-90°	723	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 10.6W, 58.1° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	44.9	4.4"
6	19.9	6.7"
8	11.2	8.9"
10	7.2	11.1"

### LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	11550
55	4510
65	1250
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.



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)

Printed in U.S.A. ©2011 Juno Lighting, LLC.