

# Juno®

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

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

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

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

## 5" IC 900 LUMEN LED DOWNLIGHT REMODEL

IC920RLEDG3 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 75W PAR30 incandescent while consuming less than 15W\*



### 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 produces 900 lumens typical with select trims (see page 2 for details) using less than 15W\*
- 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 [JUNOLEDG3-9-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 through-branch wiring, 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

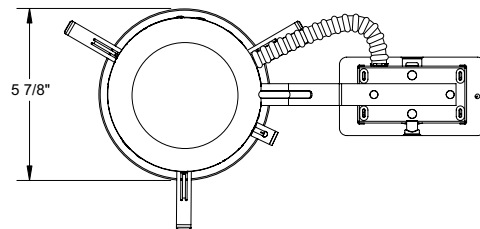
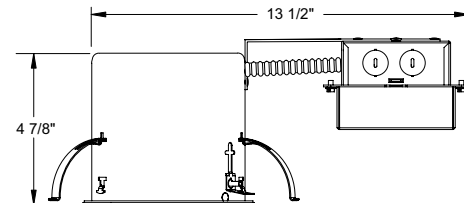
**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc® compliance when used with ALG kit
- Remodel springs accommodate up to 1 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	14.6W (+/-5%)
Input Current - Max	0.14A
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	15.8W (+/-5%)	16.1W (+/-5%)
Input Current - Max	0.145A	0.064A
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.

# 5" IC 900 LUMEN LED DOWNLIGHT REMODEL

IC920RLEDG3 RECESSED HOUSING

## OPEN TRIMS

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

Example: **IC920RLEDG3-3K-1**

Housing	Color Temperature	Input Voltage
<b>IC920RLEDG3</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)

Example: **205W-WH**

Trim/Description
<b>205W-WH<sup>1</sup></b> White Baffle <b>205B-WH<sup>1,2</sup></b> Black Baffle <b>205B-SC<sup>1,2</sup></b> Black Baffle <b>205B-ABZ<sup>1,2</sup></b> Black Baffle
<b>204C-WH<sup>4</sup></b> Cone in Clear Alzak® <b>204G-WH<sup>2</sup></b> Cone in Gold Alzak® <b>204B-WH<sup>1,3,6</sup></b> Cone in Black Alzak® <b>204PT-SC<sup>3</sup></b> Cone in Pewter Alzak® <b>204W-WH<sup>3</sup></b> Cone in Gloss White <b>204HZ-WH<sup>3</sup></b> Cone in Haze <b>204WHZ-WH<sup>3</sup></b> Cone in Wheat Haze <b>204WHZ-ABZ<sup>3</sup></b> Cone in Wheat Haze

- <sup>1</sup> Not ENERGY STAR rated
- <sup>2</sup> Not T24 certified
- <sup>3</sup> Universal Voltage: Not T24 certified
- <sup>4</sup> Universal Voltage: T24 @ 3K, 35K, 41K only
- <sup>5</sup> Universal Voltage: T24 @ 35K, 41K only
- <sup>6</sup> 120V: T24 @ 41K only

### 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.

Trim Size: 6 1/4" O.D.

Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White.

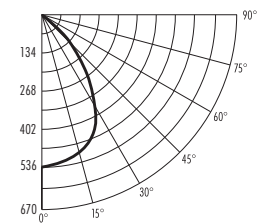
Alzak is a registered trademark of Alcoa Corp.

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

### PHOTOMETRIC REPORT

Test Report #: 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'x60' 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

### INITIAL FOOTCANDLES (One Unit, 14.9W, 73.3° Beam)

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

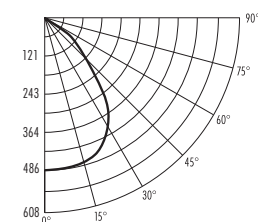
### LUMINANCE (Average cd/m<sup>2</sup>)

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

### PHOTOMETRIC REPORT

Test Report #: LTL25984R  
Catalog No: IC920LEDG3-35K  
with 204C-WH Trim  
and standard wide flood optic

Luminaire Spacing Criterion: 1.24  
Luminaire LPW: 60



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	486
5	483
15	465
25	437
35	357
45	194
55	100
65	48
75	8
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'	62	52	44
5.0'	40	33	28
6.0'	28	23	20
7.0'	22	19	16
8.0'	18	15	13
9.0'	13	11	10
10.0'	10	8	7

### INITIAL FOOTCANDLES (One Unit, 14.9W, 83.6° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	30.4	7.2'
6	13.5	10.7'
8	7.6	14.3'
10	4.9	17.9'

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

Degrees	Average Luminance
45	26653
55	16955
65	11047
75	3122
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)