

# Juno®

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

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

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

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

## 4" IC 900 LUMEN LED DOWNLIGHT REMODEL

IC91RLEDG4 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
- 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 75W incandescent

### PRODUCT SPECIFICATIONS

**LED Light Engine** LED array attached to high purity aluminum, thermally conductive housing 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 within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity
- 2700K, 3000K, 3500K, or 4100K color temperatures available
- 90 CRI minimum.

**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.

**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 ceiling 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 [JUNOICLED-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 when used with select trims

- Certified to the high efficacy requirements of California T24 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

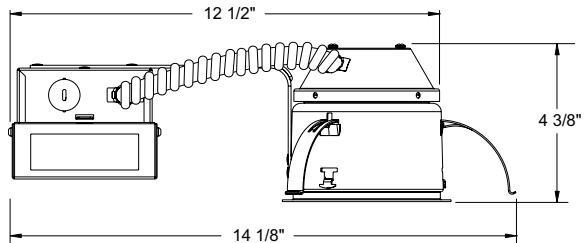
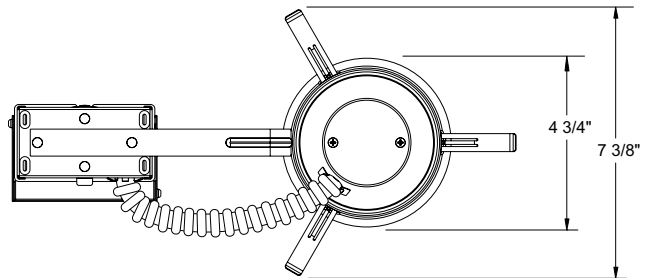
**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc
- 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	14.9W (+/-5%)
Input Current	0.13A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

### ELECTRICAL DATA





#### Universal Voltage

	120V	277V
Input Power	15.6W (+/-5%)	15.6W (+/-5%)
Input Current	0.14A	0.08A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class A (commercial)	FCC Title 47 CFR, Part 15, Class A (commercial)
Minimum starting temp	-40°C	-40°C

# 4" IC 900 LUMEN LED DOWNLIGHT REMODEL

## IC91RLEDG4 RECESSED HOUSING LENSED TRIMS

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

Example: <b>IC91RLEDG4-3K-1</b>			Example: <b>12W-WH</b>		
Housing	Color Temperature	Input Voltage	Trim/Description		
<b>IC91RLEDG4</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)	 <b>11-WH</b> Drop Opal	 <b>4101-ABZ</b> <b>4101-SC</b> <b>4101-WH</b> Beveled Dome - Shower	
			 <b>12W-WH</b> <b>12W-SC</b> <b>12W-ABZ</b> Shower Trim, frosted perimeter lens	 <b>4102-ABZ</b> <b>4102-SC</b> <b>4102-WH</b> Beveled Shower	

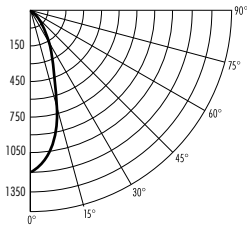
UL Listed for use in wet location.  
 Trim Size: 5" O.D.  
 Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White

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

### PHOTOMETRIC REPORT

Test Report #: PT08111601R  
 Catalog No: IC91LEDG4-35K  
 with 12W-WH Trim

Luminaire Spacing Criterion: 0.58  
 Luminaire LPW: 48



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1195
5	1100
15	703
25	352
35	161
45	80
55	44
65	28
75	15
85	3
90	0

Multiplier: 27K - 0.89  
 3K - 0.94  
 41K - 1.03

### AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	49	42	36
5.0'	31	27	23
6.0'	22	19	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°	461	N/A	64.3
0-40°	565	N/A	78.8
0-60°	669	N/A	93.4
0-90°	717	N/A	100.0

### INITIAL FOOTCANDLES

(One Unit, 15W, 35.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	74.7	2.6'
6	33.2	3.8'
8	18.7	5.1'
10	12.0	6.4'

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

Degrees	Average Luminance
45	18089
55	12473
65	10772
75	9214
85	4975

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.