

**Juno®**

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

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

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

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

# 5" IC 900 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC920RLWDG4 RECESSED HOUSING

**LENSED TRIMS**



## PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with integral patented WarmDim® technology • LED color temperature warms while dimming to emulate the dimming performance of traditional incandescent light sources • 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

## PRODUCT SPECIFICATIONS

**LED Light Engine** Proprietary patented micro processor controlled light engine emulates dimming performance of incandescent light source • Replaceable light engine integrated to thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LEDs • 3000K color temperature at full lumen output • 90 CRI minimum throughout dimming range • Design covered under Patent US 8,710,754.

**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 accessory 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** Dedicated 120 volt driver • Power factor > 0.9 • Dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • For a list of compatible dimmers, see [JUNOICLED-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** 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.

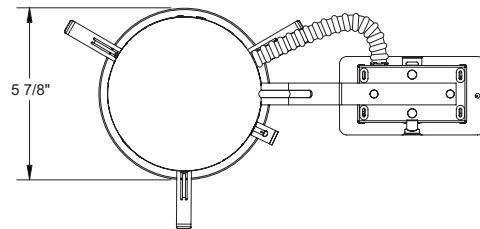
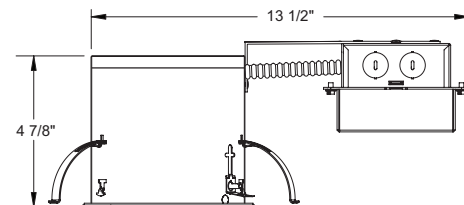
## HOUSING FEATURES

**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 1/2" 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

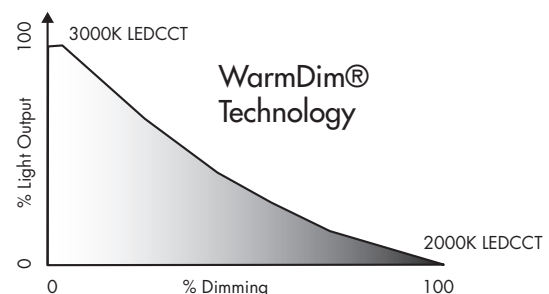


5 1/2" CEILING CUTOUT

## ELECTRICAL DATA

### Dedicated 120V Only Driver

120V	
Input Power	18.1W (+/-5%)
Input Current	0.15A
Frequency	50/60 Hz
EMI/RFI	FCC Title 47 CFR, Part 15 Class B (residential)
Minimum starting temp	-25°C



# 5" IC 900 LUMEN WARMDIM® LED DOWNLIGHT REMODEL





## IC920RLWDG4 RECESSED HOUSING LENSED TRIMS

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

Example: **IC920RLWDG4-3K-1**

Housing	Color Temperature	Input Voltage
IC920RLWDG4	3K 3000K	1 Dedicated 120V Only (Forward Phase + ELV dimmable)

Example: **2130W-WH**

Trim/Description	
	<b>210N-WH</b> * <b>210N-SC</b> * <b>210N-ABZ</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> * <b>2130B-WH</b> * White Baffle Regressed Frosted Dome Lens with Reflector 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

### ACCESSORIES

Catalog No.	Description
<b>LEDOPTICG3-M</b>	Medium Flood Optic (50°)

To order, specify catalog number.

UL Listed for use in wet location.

\* Do not use reflector shipped with trim for LED housing.

Trim Size: 210, 212, 2130 - 6¼" O.D.; 5101 - 6½" O.D.

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

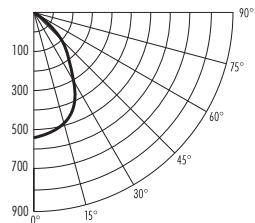
Note: In Canada when insulation is present, Type IC fixtures must be used.

JUNO IC housings meet IECC Energy Code requirements per ASTM E283.

**Air-Loc** Air-Loc® rated trims are pre-gasketed for minimum air leakage with IC housings.

### PHOTOMETRIC REPORT

Test Report #: PT05140101  
 Catalog No: IC920RLWDG4-3K  
 with 210-WH Trim and  
 Standard Wide Flood Optic  
 Luminaire Spacing Criterion: 0.98  
 Luminaire LPW: 40



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	Candelas
0°	0
0	538
5	533
15	491
25	387
35	226
45	112
55	61
65	35
75	18
85	6
90	0

### AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	48	39	33
5.0'	31	25	21
6.0'	21	18	15
7.0'	17	14	12
8.0'	14	11	9
9.0'	10	9	7
10.0'	8	6	5

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	363	N/A	51.3
0-40°	505	N/A	71.3
0-60°	649	N/A	91.5
0-90°	709	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 17.8W, 64.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	33.6	5.1'
6	14.9	7.6'
8	8.4	10.1'
10	5.4	12.7'

### LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	18727
55	12617
65	9725
75	8192
85	7610

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.

