

**Juno®**

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

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

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

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

# 4" IC 900 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC91RLWDG4 RECESSED HOUSING

**LENSED TRIMS**

## PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with 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 • 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 while consuming less than 15W

## PRODUCT SPECIFICATIONS

**LED Light Engine** Proprietary patented (US Patent 8,710,754) micro processor controlled light engine emulates dimming performance of incandescent light source • Replaceable light engine attached to high purity aluminum, thermally conductive inner housing provides superior heat transfer to ensure long life of the LEDs • 3000K color temperature at full lumen output • 90 CRI minimum throughout dimming range.

**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** 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 inside housing for easy access from below ceiling.

**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 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.

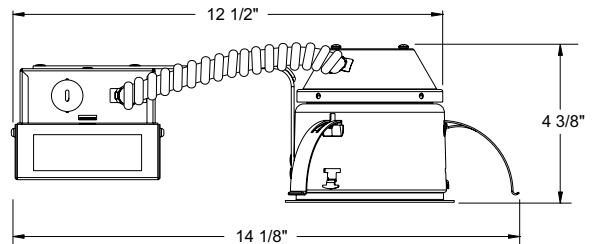
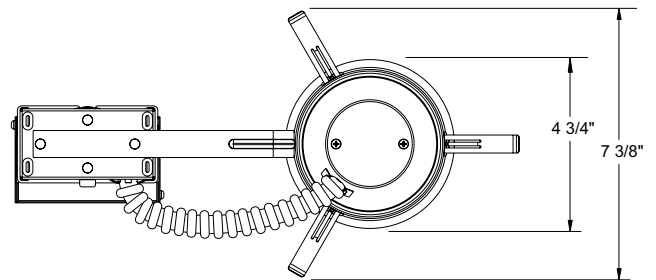
## HOUSING FEATURES

**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

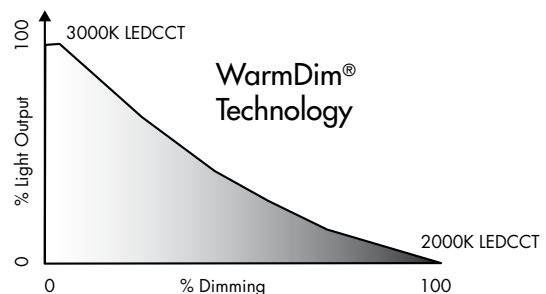


4 3/8" CEILING CUTOUT

## ELECTRICAL DATA

### Dedicated 120V Only Driver

120V	
Input Power	14.9W (+/-5%)
Input Current	0.13A
Frequency	50/60 Hz
EMI/RFI	FCC Title 47 CFR, Part 15 Class B (residential)
Minimum starting temp	-20°C



# 4" IC 900 LUMEN WARMDIM® LED DOWNLIGHT REMODEL





IC91RLWDG4 RECESSED HOUSING  
LENSED TRIMS

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

Example: **IC91RLWDG4-3K-1**

Housing	Color Temperature	Input Voltage
IC91RLWDG4	3K 3000K	1 Dedicated 120V Only (Forward Phase + ELV dimmable)

Example: **12W-WH**

Trim/Description		
	<b>11-WH</b>	Drop Opal
	<b>12W-WH</b> <b>12W-SC</b> <b>12W-ABZ</b>	Shower Trim, frosted perimeter lens
	<b>4101-ABZ</b> <b>4101-SC</b> <b>4101-WH</b>	Beveled Dome - Shower
	<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

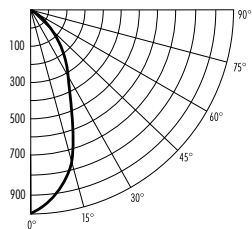
Test Report #: PT09141904R

Catalog No: IC91RLWDG4-3K

with 12W-WH Trim

Luminaire Spacing Criterion: 0.76

Luminaire LPW: 58



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	Candelas
0°	975
5°	961
15°	775
25°	453
35°	225
45°	117
55°	67
65°	38
75°	17
85°	2
90°	0

## AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)  
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	59	49	42
5.0'	38	31	27
6.0'	26	22	19
7.0'	21	18	15
8.0'	17	14	12
9.0'	13	11	9
10.0'	9	8	7

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	511	N/A	59.1
0-40°	654	N/A	75.6
0-60°	807	N/A	93.2
0-90°	865	N/A	100.0

## INITIAL FOOTCANDLES (One Unit, 15W, 47.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	61.0	3.5'
6	27.1	5.3'
8	15.3	7.1'
10	9.8	8.9'

## LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	26989
55	18884
65	14594
75	10628
85	2959

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. ©2015 Juno Lighting, LLC.