

**JUNO**®

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

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

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

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

# 4" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC 1 R LED (WD G4N 06LM) 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 65W incandescent while consuming 12W

## PRODUCT SPECIFICATIONS

**LED Light Engine** Proprietary patented micro processor controlled light engine emulates dimming performance of incandescent light source  
 • Replaceable light engine attached to high purity aluminum, thermally conductive 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 • Design covered under Patent US 8,710,754.

**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** 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.

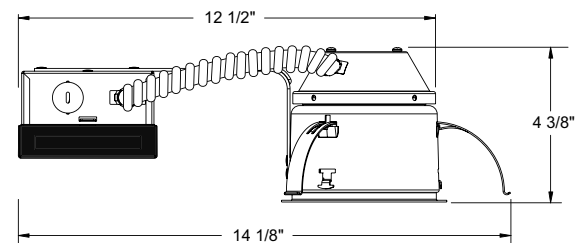
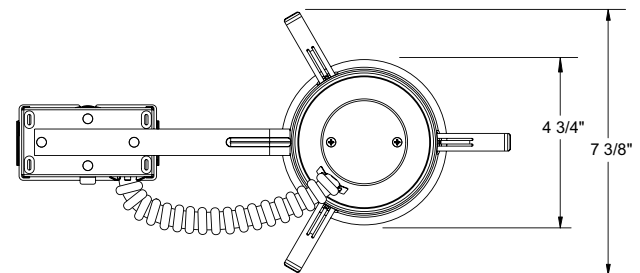
## HOUSING FEATURES

**Housing** Designed for use in IC (insulated ceiling) or non-IC construction  
 • Aluminum housing sealed for Air-Loc® 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

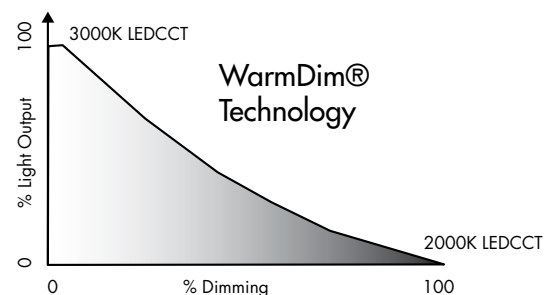


4 3/8" CEILING CUTOUT

## ELECTRICAL DATA

### Dedicated 120V Only Driver

	120V
Input Power	10W (+/- 5%)
Input Current	0.08A
Frequency	50/60 Hz
EMI/RFI	FCC Title 47 CFR, Part 15 Class B (residential)
Minimum starting temp	-20°C



# 4" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC1RLED (WD G4N 06LM) RECESSED HOUSING  
LENSED TRIMS

**ORDERING INFORMATION** Housing and trim can be ordered together or separate, but will always ship separately.

**Example:** IC1RLED WD G4N 06LM 30K 90CRI 120 FRPC

Series	Dynamic Feature	Generation	Lumens	Color Temperature	CRI	Voltage	Driver
<b>IC1RLED</b> 4" LED IC Remodel Downlight	<b>WD</b> Warm Dim	<b>G4N</b> Generation 4 New	<b>06LM</b> 600 Nominal Lumens	<b>30K</b> 3000K	<b>90CRI</b> 90+ CRI	<b>120</b> 120V	<b>FRPC</b> Forward/Reverse Phase Cut

## Trim/Description



**11 WH** 4" Lensed Drop Opal Trim - White



**12 WABZ<sup>1</sup>** 4" Frosted Lens with Clear Center Trim - Perimeter Frosted Lens, Classic Aged Bronze Trim Ring  
**12 WSC<sup>1</sup>** 4" Frosted Lens with Clear Center Trim - Perimeter Frosted Lens, Satin Chrome Trim Ring  
**12 WWH<sup>1</sup>** 4" Frosted Lens with Clear Center Trim - White, White Trim Ring



**4101 ABZ<sup>1</sup>** 4" Decorative Beveled Dome Lens Trim - Classic Aged Bronze  
**4101 SC<sup>1</sup>** 4" Decorative Beveled Dome Lens Trim - Satin Chrome  
**4101 WH<sup>1</sup>** 4" Decorative Beveled Dome Lens Trim - White



**4102 ABZ** 4" Decorative Beveled Lens Trim - Classic Aged Bronze  
**4102 SC** 4" Decorative Beveled Lens Trim - Satin Chrome  
**4102 WH** 4" Decorative Beveled Lens Trim - White

Trim Size: 5" O.D.

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

UL Listed for use in wet location.

<sup>1</sup> Multi-Volt: T24 @ 30K, 35K and 40K only

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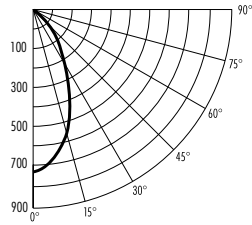
## PHOTOMETRICS

### PHOTOMETRIC REPORT

Test Report #: PT09141904  
Catalog No: IC1RLED WD G4N 06LM 30K  
with 12 WWH Trim

Luminaire Spacing Criterion: 0.76

Luminaire LPW: 66



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	739	
5	728	
15	587	
25	343	
35	170	
45	89	
55	50	
65	29	
75	13	
85	1	
90	0	

### AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	45	37	32
5.0'	29	24	20
6.0'	20	17	14
7.0'	16	13	11
8.0'	13	11	9
9.0'	10	8	7
10.0'	7	6	5

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	387	N/A	59.1
0 - 40°	496	N/A	75.6
0 - 60°	611	N/A	93.2
0 - 90°	655	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 10W, 47.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	46.2	3.5'
6	20.5	5.3'
8	11.5	7.1'
10	7.4	8.9'

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

Degrees	Average Luminance
45	20446
55	14306
65	11056
75	8052
85	2242

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.