

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 900 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC 1 RLED (WD G4 09LM) 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® Certified when used with select trims • Certified to the high efficacy requirements of California T24 JA8-2016 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.

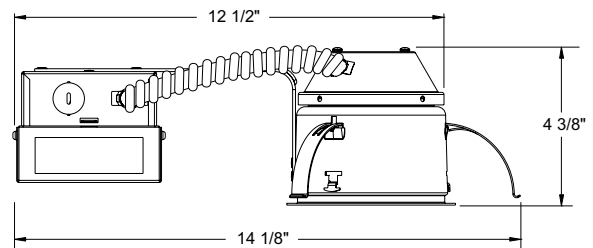
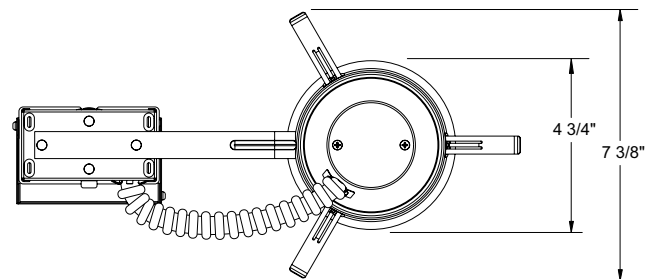
Product specifications subject to change without notice.

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

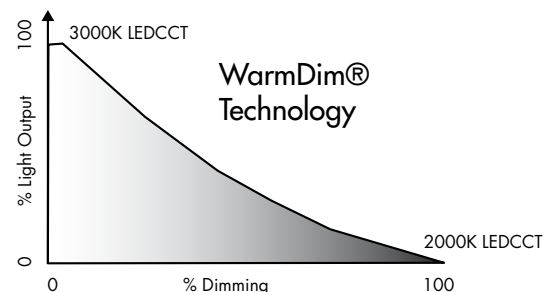


4 3/8" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver

120V	
Input Power	15.4W (+/-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

IC1RLED (WD G4 09LM) RECESSED HOUSING LENSED TRIMS

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

Example: IC1RLED WD G4N 09LM 30K 90CRI 120 FRPC

Series	Dynamic Feature	Generation	Lumens	Color Temperature	CRI	Voltage	Driver
IC1RLED 4" LED IC Remodel Downlight	WD Warm Dim	G4N Generation 4 New	09LM 900 Nominal Lumens	30K 3000K	90CRI 90+ CRI	120 120V	FRPC Forward/Reverse Phase Cut

Trim/Description



11 WH 4" Lensed Drop Opal Trim - White



12 WABZ¹ 4" Frosted Lens with Clear Center Trim - Perimeter Frosted Lens, Classic Aged Bronze Trim Ring

12 WSC¹ 4" Frosted Lens with Clear Center Trim - Perimeter Frosted Lens, Satin Chrome Trim Ring

12 WWH¹ 4" Frosted Lens with Clear Center Trim - White, White Trim Ring



4101 ABZ¹ 4" Decorative Beveled Dome Lens Trim - Classic Aged Bronze

4101 SC¹ 4" Decorative Beveled Dome Lens Trim - Satin Chrome

4101 WH¹ 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.

¹ Multi-Volt: T24 @ 30K, 35K and 40K only

4" IC 900 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC1RLED (WD G4 09LM) RECESSED HOUSING
LENSED TRIMS

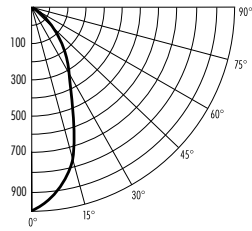
PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT09141904R
Catalog No: IC1RLED WD G4 09LM 30K
with 12 WWH Trim

Luminaire Spacing Criterion: 0.76

Luminaire LPW: 56



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
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, 15.4W, 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.