

Juno®

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

5" IC 900 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC920RLWDG4 RECESSED HOUSING

OPEN 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 • Deep regression of lens produces a low glare, efficient system that can produce over 900 lumens with select trims • 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.

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 ENERGY STAR® Qualified when used with select trims • 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.

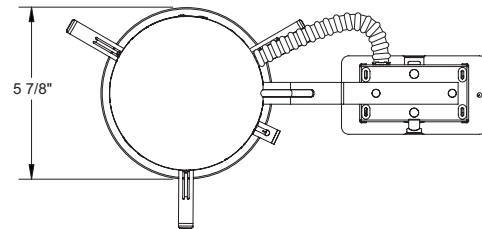
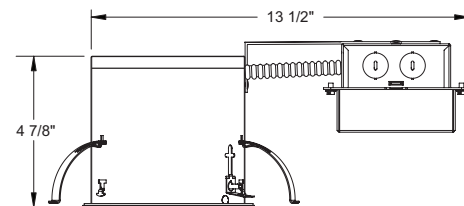
HOUSING FEATURES

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 1/8" 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

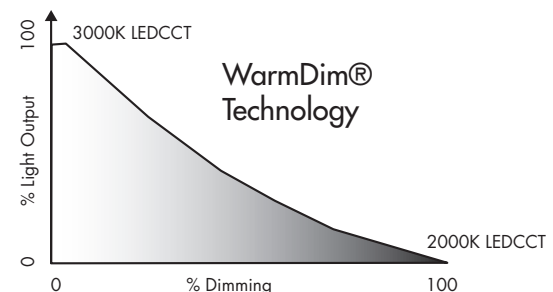


5 1/2" CEILING CUTOUT

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

OPEN TRIMS

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

Example: IC920RLWDG4-3K-1			Example: 205W-WH	
Housing	Color Temperature	Input Voltage	Trim/Description	
IC920RLWDG4	3K 3000K	1 Dedicated 120V Only (Forward Phase + ELV dimmable)		
				205W-WH White Baffle
				205B-WH ¹ Black Baffle
				205B-SC ¹ Black Baffle
				205B-ABZ ¹ Black Baffle
				204C-WH Cone in Clear Alzak®
				204G-WH Cone in Gold Alzak®
				204B-WH ¹ Cone in Black Alzak®
				204PT-SC Cone in Pewter Alzak®
				204W-WH Cone in Gloss White
				204HZ-WH Cone in Haze
				204WHZ-WH Cone in Wheat Haze
				204WHZ-ABZ Cone in Wheat Haze

¹ Not ENERGY STAR® Qualified.
Trim Size: 6 1/4" O.D.
Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White.
Alzak is a registered trademark of Alcoa Corp.
Note: In Canada when insulation is present, Type IC fixtures must be used.

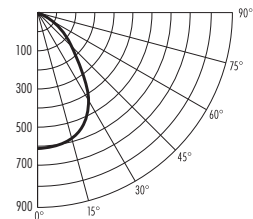
ACCESSORIES

Catalog No.	Description
LEDOPTICG3-M	Medium Flood Optic (50°)

To order, specify catalog number.

PHOTOMETRIC REPORT

Test Report #: PT02140801
Catalog No: IC920RLWDG4-3K-1
with 205W-WH Trim
and standard wide flood optic
Luminaire Spacing Criterion: 1.10
Luminaire LPW: 53



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	610
5	608
15	585
25	505
35	336
45	156
55	85
65	49
75	30
85	7
90	0

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)			
Ceiling 80% Wall 50% Floor 20%			
Spacing	RCR1	RCR3	RCR5
4.0'	64	52	44
5.0'	41	33	28
6.0'	28	23	19
7.0'	23	19	16
8.0'	18	15	12
9.0'	14	11	10
10.0'	10	8	7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	453	N/A	47.7
0-40°	660	N/A	69.6
0-60°	861	N/A	90.8
0-90°	948	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 17.8W, 72.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	38.2	5.9'
6	17.0	8.8'
8	9.5	11.8'
10	6.1	14.7'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	20892
55	13986
65	10927
75	10808
85	7833

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

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