



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

5" IC 900 LUMEN WARMDIM® LED DOWNLIGHT NEW CONSTRUCTION

IC920LWDG4 RECESSED HOUSING

OPEN TRIMS



PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction 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 • Can be completely covered with insulation • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets • 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 • Housing is vertically adjustable to accommodate up to a 2" ceiling thickness.

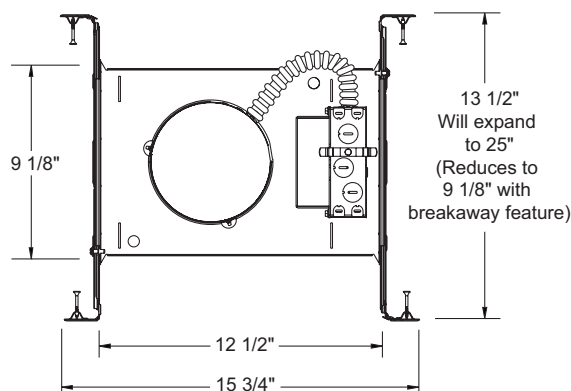
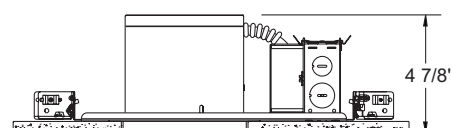
Junction Box Pre-wired junction box provided with (5) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 8 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Quick connect electrical connectors supplied as standard for fast, secure installation.

Mounting Frame 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

Real Nail 3 Bar Hangers Telescoping Real Nail 3® system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings • Design covered under Patent D552,969.



DIMENSIONS

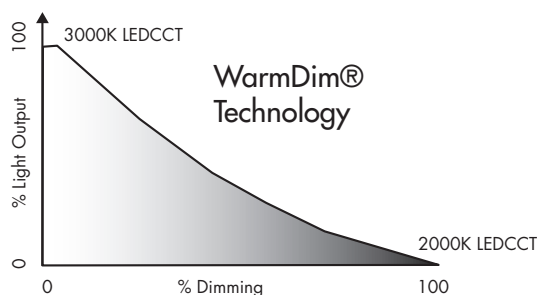


5 5/8" CEILING CUTOUT

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 NEW CONSTRUCTION

IC920LWDG4 RECESSED HOUSING

OPEN TRIMS

ORDERING INFORMATION: Housing, trim and accessories each ordered separately.Example: **IC920LWDG4-3K-1**













Housing	Color Temperature	Input Voltage
<input type="text"/>	<input type="text"/>	<input type="text"/>
IC920LWDG4	3K 3000K	1 Dedicated 120V Only (Forward Phase + ELV dimmable)

ACCESSORIES

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

To order, specify catalog number.

Example: **205W-WH**

Trim/Description		
<input type="text"/>		
	205W-WH	White Baffle
	205B-WH¹	Black Baffle
	205B-SC¹	Black Baffle
	205B-ABZ¹	Black Baffle
	204C-WH	Cone in Clear Alzak®
	204G-WH	Cone in Gold Alzak®
	204B-WH¹	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.

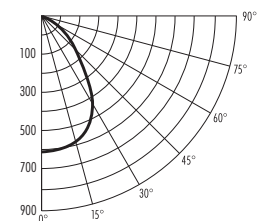
Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White.

Alzak is a registered trademark of Alcoa Corp.

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

PHOTOMETRIC REPORT

Test Report #: PT02140801
Catalog No: IC920LWDG4-3K-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

Printed in U.S.A. ©2014 Juno Lighting, LLC.