

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 600 LUMEN WARMDIM™ LED DOWNLIGHT NEW CONSTRUCTION

IC1LWDG3 RECESSED HOUSING

OPEN TRIMS



PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with WarmDim™ technology (patent pending) • LED color temperature warms while dimming to emulate the dimming performance of traditional incandescent light sources • Double wall, shallow housing construction 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, RoHS compliant
- Comparable light output to 65W incandescent while consuming less than 15W



PRODUCT SPECIFICATIONS

LED Light Engine Proprietary micro processor controlled light engine emulates dimming performance of incandescent light source • Replaceable light engine attached to high purity aluminum, thermally conductive inner housing and heat sink provides superior heat transfer to ensure long life of the LEDs • 3000K color temperature at full lumen output • 83 CRI typical.

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 • Deep regression of lens produces a low glare, efficient system that can produce over 600 lumens with select trims (see page 2 for details) using less than 15W.

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 [JUNOLEDG3-6-WARMDIM](#) • Mounted inside housing for easy access from below ceiling.

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels Certified to the high efficiency requirements of California T24-2008 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

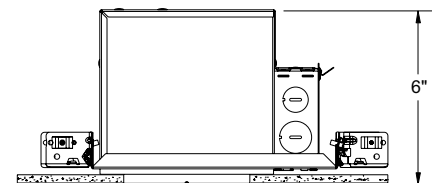
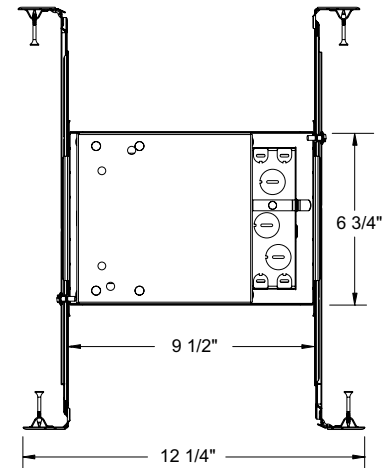
Housing Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc® compliance • Housing is vertically adjustable to accommodate up to a 1 1/2" ceiling thickness.

Junction Box Pre-wired junction box provided with (6) 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 6 #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 Patents US5,505,419 and D552,969.

DIMENSIONS

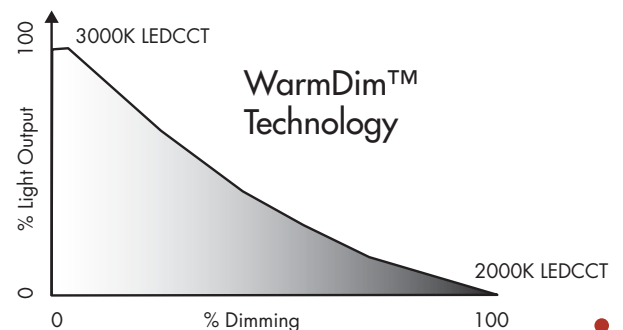


4 1/2" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver

120V	
Input Power	14W (+/-5%)
Input Current - Max	0.125A
Frequency	50/60 Hz
EMI/RFI	FCC Title 47 CFR, Part 18 Class B (consumer)
Minimum starting temp	-20°C



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




IC1LWDG3 RECESSED HOUSING OPEN TRIMS

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

Example: **IC1LWDG3-3K-1**

Housing	Color Temperature	Input Voltage
IC1LWDG3	3K 3000K	1 Dedicated 120V Only (Forward Phase + ELV dimmable)

Example: **14W-WH**

Trim/Description			
	13W-WH	2" Pinhole with Integral Shield	
	14B-WH	Black Baffle	
	14B-SC	Black Baffle	
	14B-ABZ	Black Baffle	
	14B-BL	Black Baffle	
	14W-WH	White Baffle	
	17C-WH	Cone - Clear Alzak®	
	17G-WH	Cone - Gold Alzak®	
	17B-WH	Cone - Black Alzak®	
	17PT-SC	Cone - Pewter Alzak®	
	17W-WH	Cone - Glass White	
	17HZ-WH	Cone - Haze	
	17WHZ-WH	Cone - Wheat Haze	
	17WHZ-ABZ	Cone - Wheat Haze	

Trim Size: 5" O.D.

Trim Finish: ABZ - Classic Aged Bronze, BL - Black,

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.

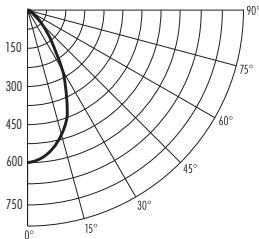
PHOTOMETRIC REPORT

Test Report #: LTL27634

Catalog No: IC1LWDG3-3K-1
with 14W-WH Trim

Luminaire Spacing Criterion: 0.85

Luminaire LPW: 43.1



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	601	
5	589	
15	500	
25	355	
35	204	
45	82	
55	32	
65	13	
75	8	
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'	41	35	30
5.0'	26	22	19
6.0'	18	15	13
7.0'	15	12	11
8.0'	12	10	8
9.0'	9	8	6
10.0'	7	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	357	N/A	59.2
0-40°	483	N/A	80.2
0-60°	578	N/A	95.9
0-90°	602	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 14.0W, 57.1° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	37.6	4.4'
6	16.7	6.5'
8	9.4	8.7'
10	6.0	10.9'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	18730
55	8874
65	5032
75	4932
85	4487

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.

