JUNO

Project:

Fixture Type:

Location:

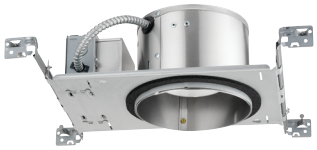
Contact/Phone:

Warm Dimming

6" IC 900 LUMEN WARMDIM® LED DOWNLIGHT NEW CONSTRUCTION

IC22LED WD (G4 09LM) RECESSED HOUSING

LENSED 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 • Wide flood (>70°) 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 • 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 between the j-box and housing for easy access and cool operation.

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

Labels UL listed for U.S. and Canada through-branch wiring, damp locations • UL and cUL.

Testing All reports are based on published industry procedures; field performance may differ from laboratory performance.

Specifications subject to change without notice.

HOUSING FEATURES

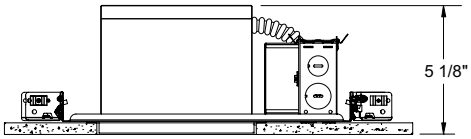
Housing Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc® compliance • Housing is vertically adjustable to accommodate up to a 2" ceiling thickness.

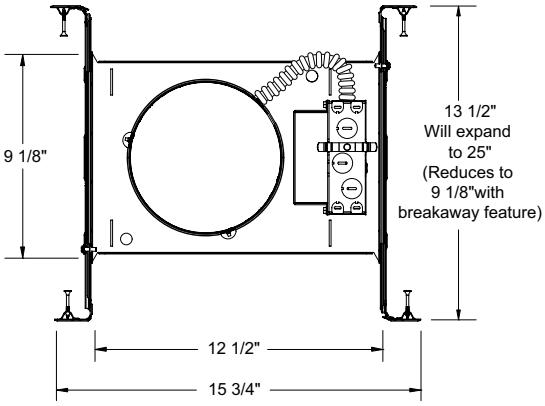
Junction Box Pre-wired junction box provided with (5) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 8 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped 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 US Patent D552,969.

DIMENSIONS



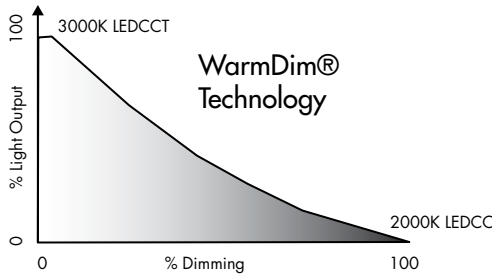


6 7/8" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver

	120V
Input Power	18.0W (+/- 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



MAINSTREAM DYNAMIC
BY ACUITY BRANDS®

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LENSED TRIMS

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

Example: IC22LED WD G4 09LM 30K 90CRI 120 FRPC

Series	Dynamic Feature	Generation	Lumens	Color Temperature	CRI	Voltage	Driver
IC22LED 6" LED New Construction Downlight	**WD** Warm Dim	**G4** Generation 4	**09LM** 900 Nominal Lumens	**30K** 3000K	**90CRI** 90+ CRI	**120** 120V	**FRPC** Forward/Reverse Phase Cut

Trim/Description

20 WH	6" Lensed Albalite Trim - White
20 PW	6" Lensed Albalite Trim - Plastic White

21 WH	6" Lensed Drop Opal Trim - White
21 PW	6" Lensed Drop Opal Trim - Plastic White

22 WH	6" Lensed Fresnel Trim - White

239 WH [1*]	6" Lensed Frosted Lens Trim - White

242 WH	6" Lensed Frosted Lens with Clear Center Trim - White
242 SC	6" Lensed Frosted Lens with Clear Center Trim - Satin Chrome
242 BRZ	6" Lensed Frosted Lens with Clear Center Trim - Bronze

2330 WWH *	6" Lensed Baffle with Regressed Frosted Dome Lens Trim - White Baffle, White Trim Ring
2330 BWH *	6" Lensed Baffle with Regressed Frosted Dome Lens Trim - Black Baffle, White Trim Ring

Trim Size: 2330 - 7 3⁄8" O.D.; 239, 242 - 7 5⁄8" O.D.; 20, 21, 22 - 8" O.D.
Note: In Canada when insulation is present, Type IC fixtures must be used.

JUNO IC housings meet IECC Energy Code requirements per ASTM E283.
Air-Loc® rated trims are pre-gasketed for minimum air leakage with IC housings.

UL Listed for use in wet location.
*Do not use reflector shipped with trim for LED housing.

Accessories

Catalog Number	Description
LEDOPTICG3 MFL	Medium Flood Optic (50°)

To order, specify catalog number.

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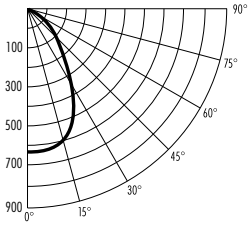
PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT04141004
Catalog No: IC22LED WD G4 09LM 30K 120 with 239 WH Trim and Standard Wide Flood Optic
Luminaire Spacing Criterion: 0.90
Luminaire LPW: 46



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	643
5	633
15	553
25	407
35	249
45	138
55	82
65	52
75	30
85	9
90	0

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0´	57	45	38
5.0´	37	29	24
6.0´	25	20	17
7.0´	21	16	14
8.0´	16	13	11
9.0´	12	10	8
10.0´	9	7	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	399	N/A	48.1
0 - 40°	555	N/A	66.9
0 - 60°	738	N/A	88.9
0 - 90°	830	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 18W , 60.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	40.2	4.7′
6	17.9	7.0′
8	10.0	9.3′
10	6.4	11.7′

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	10689
55	7830
65	6739
75	6243
85	5341

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.

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