

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____



6" IC 600 LUMEN WARMDIM® LED DOWNLIGHT NEW CONSTRUCTION

IC22LED WD (G4N 06LM) 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 65W BR30 incandescent while consuming 10W

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 distribution (>70°) 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, wet locations (covered ceilings) • 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.

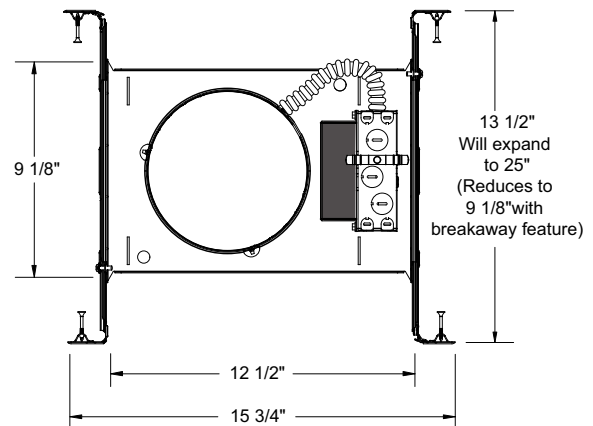
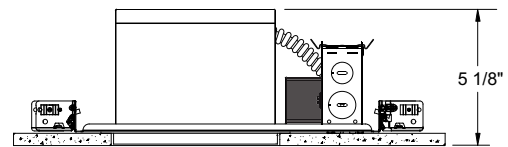
Junction Box Pre-wired junction box provided with (5) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 8 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped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



DIMENSIONS

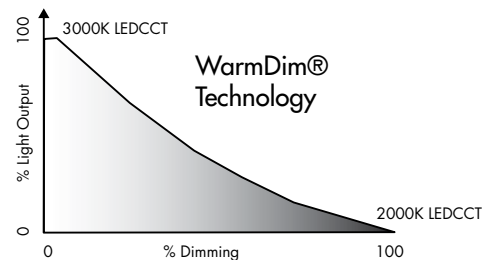


6 7/8" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver

120V	
Input Power	10W (+/- 5%)
Input Current	0.08A
Frequency	50/60 Hz
EMI/RFI	FCC Title 47 CFR, Part 15 Class B (residential)
Minimum starting temp	-20°C



**MAINSTREAM
DYNAMIC**
BY ACUITY BRANDS®

6" IC 600 LUMEN WARMDIM® LED DOWNLIGHT NEW CONSTRUCTION









IC22LED WD (G4N 06LM) RECESSED HOUSING LENSED TRIMS

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

Example: IC22LED WD G4N 06LM 30K 90CRI 120 FRPC


Series	Dynamic Feature	Generation	Lumens	Color Temperature	CRI	Voltage	Driver
IC22LED 6" LED New Construction Downlight	WD Warm Dim	G4N Generation 4 New	06LM 600 Nominal Lumens	30K 3000K	90CRI 90+ CRI	120 120V	FRPC Forward/Reverse Phase Cut

Trim/Description

	20 WH 20 PW	6" Lensed Albalite Trim - White 6" Lensed Albalite Trim - Plastic White
	21 WH 21 PW	6" Lensed Drop Opal Trim - White 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 242 SC 242 ABZ	6" Lensed Frosted Lens with Clear Center Trim - White 6" Lensed Frosted Lens with Clear Center Trim - Satin Chrome 6" Lensed Frosted Lens with Clear Center Trim - Classic Aged Bronze
	243 WH *	6" Decorative Swirled Etched Opal Glass Trim - White
	2330 WWH * 2330 BWH *	6" Lensed Baffle with Regressed Frosted Dome Lens Trim - White Baffle, White Trim Ring 6" Lensed Baffle with Regressed Frosted Dome Lens Trim - Black Baffle, White Trim Ring
	6101 WH * 6101 SC * 6101 ABZ *	6" Lensed Beveled Frame with Frosted Dome Lens Trim - White 6" Lensed Beveled Frame with Frosted Dome Lens Trim - Satin Chrome 6" Lensed Beveled Frame with Frosted Dome Lens Trim - Classic Aged Bronze

Trim Size: 2330 - 7 3/8" O.D.; 239, 242, 243 - 7 5/8" O.D.; 6101 - 7 3/4" 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 (ordered separately)

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

To order, specify catalog number.

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LENSED TRIMS

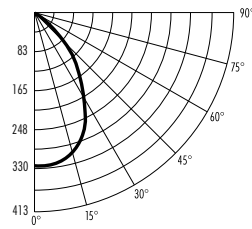
PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT08142505
Catalog No: IC22LED WD G4N 06LM
30K with 239 WH Trim and Standard
Wide Flood Optic

Luminaire Spacing Criterion: 1.06

Luminaire LPW: 54



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	
Vertical	0°
0	322
5	320
15	299
25	253
35	177
45	104
55	59
65	35
75	19
85	5
90	0

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	36	29	24
5.0'	23	18	15
6.0'	16	13	11
7.0'	13	10	9
8.0'	10	8	7
9.0'	8	6	5
10.0'	6	5	4

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	230	N/A	42.8
0 - 40°	340	N/A	63.4
0 - 60°	475	N/A	88.5
0 - 90°	537	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 10W, 74° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	20.1	6.0'
6	8.9	9.0'
8	5.0	12.1'
10	3.2	15.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	8063
55	5662
65	4575
75	4084
85	3393

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.