

**JUNO®**

Project: \_\_\_\_\_

Fixture Type: \_\_\_\_\_

Location: \_\_\_\_\_

Contact/Phone: \_\_\_\_\_

# 4" IC 600 LUMEN WARMDIM® LED DOWNLIGHT NEW CONSTRUCTION

IC1LED (WD G4N 06LM) RECESSED HOUSING


**WALL WASH 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 • 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 12W

## PRODUCT SPECIFICATIONS

**LED Light Engine** Proprietary patented (US Patent 8,710,754) micro processor controlled light engine emulates dimming performance of incandescent light source • Replaceable light engine attached to high purity aluminum, thermally conductive inner housing provides superior heat transfer to ensure long life of the LEDs • 3000K color temperature at full lumen output • 90 CRI minimum throughout dimming range.

**Optical System** Angle-cut aluminum reflector and specular clear kicker reflector directs light toward wall for uniform illumination on vertical surfaces while concealing LED optic assembly and minimizing glare • LEDs are concealed by high transmission diffusing lens.

**Aesthetic Trim Selections** Recessed lensed wall wash trim • Shadow free, knife edge design blends seamlessly into ceiling • Reflector finishes include clear, haze, wheat haze and white painted.

**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 inside housing for easy access from below ceiling.

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

**Labels** ENERGY STAR® Certified when used with select trims • Certified to the high efficacy requirements of California T24 JA8-2016 with select trims • UL listed for U.S. and Canada, through-branch wiring and 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.

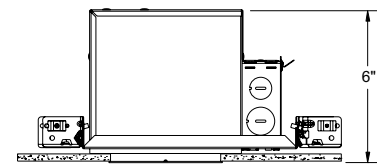
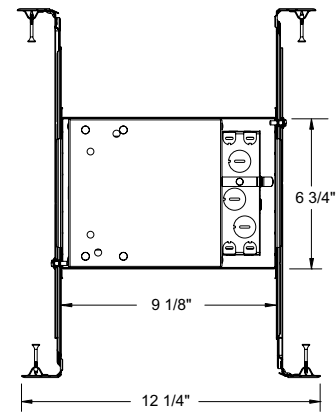
**Junction Box** Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 6 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts 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** Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping 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.



## DIMENSIONS

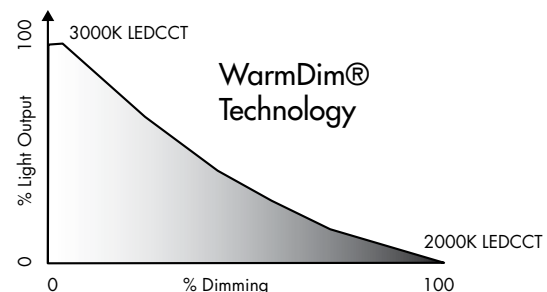


4 1/2" CEILING CUTOUT

## 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



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

**Example:** IC1LED WD G4N 06LM 30K 90CRI 120 FRPC

Series	Dynamic Feature	Generation	Lumens	Color Temperature	CRI	Voltage	Driver
<b>IC1LED</b> 4" LED IC New Construction Downlight	<b>WD</b> Warm Dim	<b>G4N</b> Generation 4 New	<b>06LM</b> 600 Nominal Lumens	<b>30K</b> 3000K	<b>90CRI</b> 90+ CRI	<b>120</b> 120V	<b>FRPC</b> Forward/Reverse Phase Cut

## Trim/Description



**39 CWH**<sup>1</sup> 4" Lensed Wall Wash Cone Trim - Clear Alzak®, White Trim Ring

**39 HZWH**<sup>1</sup> 4" Lensed Wall Wash Cone Trim - Haze, White Trim Ring



**39 WHZWH**<sup>1</sup> 4" Lensed Wall Wash Cone Trim - Wheat Haze, White Trim Ring

**39 WWH**<sup>1</sup> 4" Lensed Wall Wash Cone Trim - White, White Trim Ring

Trim Size: 5" O.D.

Alzak is a registered trademark of Alcoa Corp.

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

<sup>1</sup>Multi-Volt: ENERGY STAR® and T24 @ 30K, 35K, and 40K

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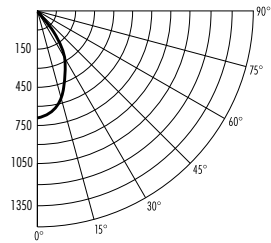
## PHOTOMETRICS

### PHOTOMETRIC REPORT

Test Report #: PT11141801  
Catalog No: IC1LED WD G4N 06LM 30K  
90CRI 120 with 39 CWH Trim

Luminaire Spacing Criterion: 0.76

Luminaire LPW: 61



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	738
5	727
15	566
25	362
35	183
45	69
55	31
65	16
75	6
85	0
90	0

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	383	N/A	62.6
0-40°	504	N/A	82.3
0-60°	600	N/A	98.0
0-90°	612	N/A	100.0

### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	18328
55	10020
65	7155
75	4499
85	0

### FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES

Fixture Distance to Wall	2'						3'					
	2'			3'			3'			4'		
Fixture Centers (spacing)	4	4	4	3	3	3	2	2	2	2	2	2
1'	4	4	4	3	3	3	2	2	2	2	2	2
2'	10	10	10	7	6	7	4	4	4	3	3	3
3'	15	15	15	12	10	12	6	6	6	5	4	5
4'	17	18	17	13	12	13	7	7	7	6	6	6
5'	16	16	16	11	11	11	9	9	9	7	7	7
6'	14	14	14	10	10	10	9	9	9	7	7	7
7'	12	12	12	9	9	9	9	9	9	7	7	7
8'	11	11	11	8	8	8	8	8	8	6	7	6
9'	9	9	9	6	6	6	7	7	7	5	6	5

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.