

**JUNO**

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

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

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

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



# 6" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC22RLED WD (G4N 06LM) RECESSED HOUSING

**OPEN TRIMS**

## PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with integral 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 • IC remodel housing for remodel application where back side of ceiling is not accessible • Installs through an opening in the ceiling from below • Secured in place by factory installed remodel springs • Can be completely covered with insulation • When used with supplied ALG kit, stops infiltration and exfiltration of air, reducing heating and air cooling costs • 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 • 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 10W • 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.

**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® 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, damp locations • Union made • UL and cUL.

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

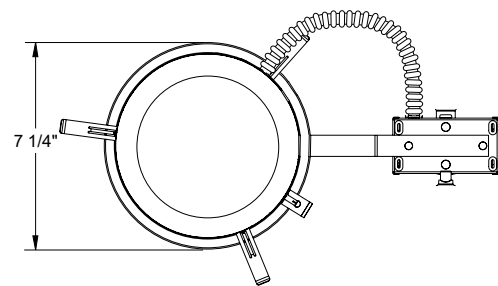
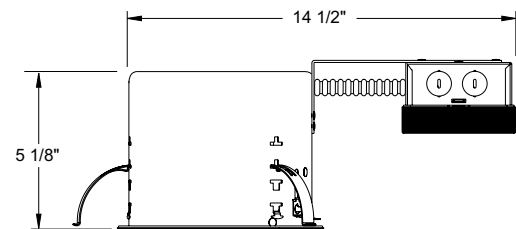
Product specifications subject to change without notice.

## HOUSING FEATURES

**Housing** Designed for use in IC (insulated ceiling) or non-IC construction Aluminum housing sealed for Air-Loc® compliance when used with ALG kit • Remodel springs accommodate up to 1 7/8" ceiling thickness.

**Junction Box** Pre-wired junction box provided with (5) 1/2" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • Knockouts equipped with pryout slots • Quick connect electrical connectors supplied as standard for fast, secure installation.

## DIMENSIONS

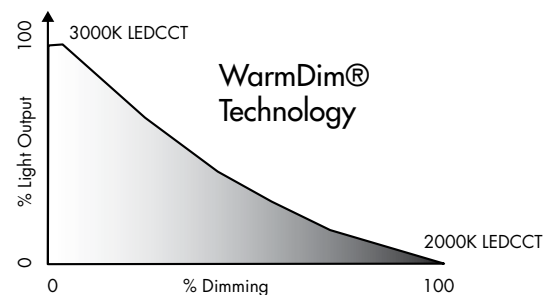


6 3/4" CEILING CUTOUT

## ELECTRICAL DATA

### Dedicated 120V Only Driver

	120V
Input Power	10W (+/-5%)
Input Current	0.08A
Frequency	50/60Hz
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 REMODEL


















IC22RLED WD (G4N 06LM) RECESSED HOUSING  
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**ORDERING INFORMATION** Housing and trim can be ordered together or separate, but will always ship separately.

**Example:** IC22RLED WD G4N 06LM 30K 90CRI 120 FRPC

Series	Dynamic Feature	Generation	Lumens	Color Temperature	CRI	Voltage	Driver
IC22RLED 6" LED Remodel 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

	<b>24 BABZ</b> <sup>1,2</sup> Tapered Black Baffle, Classic Aged Bronze Trim Ring		<b>9024 WWH</b> White Octagonal w/ White Baffle
	<b>24 BBL</b> <sup>1,2</sup> Tapered Black Baffle, Black Trim Ring		<b>9324 SC</b> Luminous Disk (Frosted)
	<b>24 BSC</b> <sup>1,2</sup> Tapered Black Baffle, Satin Chrome Trim Ring		<b>9524 SC</b> Chrome Band
	<b>24 BWH</b> <sup>1,2</sup> Tapered Black Baffle, White Trim Ring		<b>9702</b> Luminous Collar (Frosted)
	<b>24 WWH</b> Tapered White Baffle, White Trim Ring		
	<b>27 BWH</b> <sup>1,2</sup> Tapered Black Cone, White Trim Ring		
	<b>27 CWH</b> Tapered Clear Alzak® Cone, White Trim Ring		
	<b>27 GWH</b> Tapered Gold Cone, White Trim Ring		
	<b>27 HZWH</b> Tapered Haze Cone, White Trim Ring		
	<b>27 PTSC</b> Tapered Pewter Cone, Satin Chrome Trim Ring		
	<b>27 WHZABZ</b> Tapered Wheat Haze Cone, Classic Aged Bronze Trim Ring		
	<b>27 WHZWH</b> Tapered Wheat Haze Cone, White Trim Ring		
	<b>27 WWH</b> Tapered White Cone, White Trim Ring		

## Accessories (ordered separately)

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

To order, specify catalog number.

Catalog Number	Description
TR6 ABZ	6" Trim Ring - Classic Aged Bronze
TR6 BL	6" Trim Ring - Black
TR6 SC	6" Trim Ring - Satin Chrome
TR6 WH	6" Trim Ring - White

To order, specify catalog number.

\*TR6 available for 24 and 27 trim series only

Trim Size: 24, 27, 9324, 9524 - 7<sup>5/8</sup>" O.D.; 9702 - 7<sup>3/4</sup>" O.D.; 9024 - 8" 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> Not ENERGY STAR® Certified

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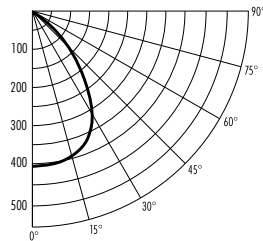
## PHOTOMETRICS

### PHOTOMETRIC REPORT

Test Report #: PT08142501  
Catalog No: IC22RLED WD G4N 06LM  
30K 120 with 24 WWH Trim and standard wide flood optic

Luminaire Spacing Criterion: 1.18

Luminaire LPW: 68



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	417
5	414
15	393
25	355
35	276
45	123
55	56
65	28
75	17
85	4
90	0

### AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	46	37	31
5.0'	29	24	20
6.0'	20	17	14
7.0'	17	13	11
8.0'	13	11	9
9.0'	10	8	7
10.0'	7	6	5

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	313	N/A	45.9
0-40°	481	N/A	70.6
0-60°	630	N/A	92.6
0-90°	681	N/A	100.0

### INITIAL FOOTCANDLES

(One Unit, 10W, 78.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	26.1	6.6'
6	11.6	9.9'
8	6.5	13.1'
10	4.2	16.4'

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

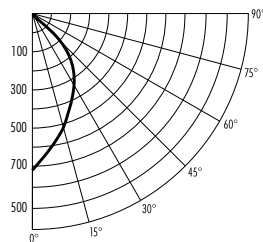
Degrees	Average Luminance
45	10312
55	5771
65	3937
75	3812
85	2591

### PHOTOMETRIC REPORT

Test Report #: PT08142504  
Catalog No: IC22RLED WD G4N 06LM  
30K 120 with 27 HZWH Trim and standard wide flood optic

Luminaire Spacing Criterion: 0.78

Luminaire LPW: 71



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	724
5	679
15	512
25	406
35	294
45	118
55	36
65	6
75	0
85	0
90	0

### AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	49	41	35
5.0'	31	26	22
6.0'	22	18	16
7.0'	18	15	13
8.0'	14	12	10
9.0'	11	9	8
10.0'	8	7	6

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	393	N/A	55.5
0-40°	573	N/A	80.9
0-60°	701	N/A	99.0
0-90°	708	N/A	100.0

### INITIAL FOOTCANDLES

(One Unit, 10W, 59° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	45.2	4.5'
6	20.1	6.8'
8	11.3	9.1'
10	7.2	11.3'

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

Degrees	Average Luminance
45	9926
55	3678
65	802
75	0
85	0

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.