

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 Certified to the high efficacy requirements of California T24 JA8-2019 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.

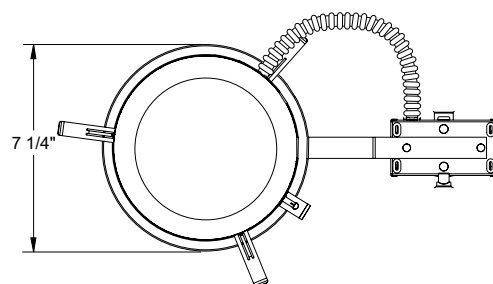
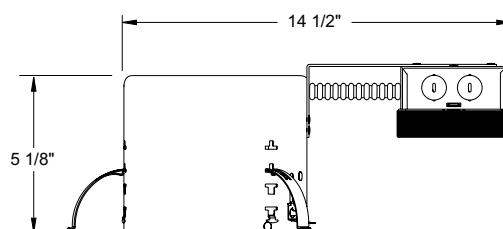
Product specifications subject to change without notice.

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

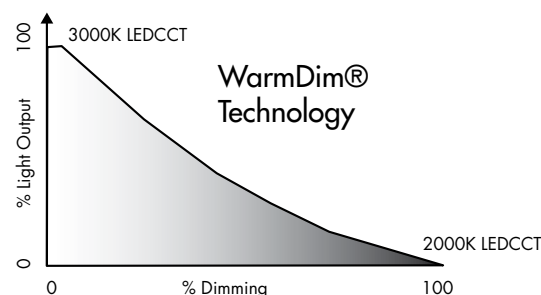


6 3/4" CEILING CUTOUT

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



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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

	24 BBRZ 24 BBL 24 BSC 24 BWH 24 WWH	Tapered Black Baffle, Bronze Trim Ring Tapered Black Baffle, Black Trim Ring Tapered Black Baffle, Satin Chrome Trim Ring Tapered Black Baffle, White Trim Ring Tapered White Baffle, White Trim Ring		9024 WWH	White Octagonal w/ White Baffle
	27 BWH 27 CWH 27 GWH 27 HZWH 27 PTSC 27 WHZBRZ 27 WHZWH 27 WWH	Tapered Black Cone, White Trim Ring Tapered Clear Alzak® Cone, White Trim Ring Tapered Gold Cone, White Trim Ring Tapered Haze Cone, White Trim Ring Tapered Pewter Cone, Satin Chrome Trim Ring Tapered Wheat Haze Cone, Bronze Trim Ring Tapered Wheat Haze Cone, White Trim Ring Tapered White Cone, White Trim Ring		9324 SC	Luminous Disk (Frosted)
				9524 SC	Chrome Band
				9702	Luminous Collar (Frosted)

Trim Size: 24, 27, 9324, 9524 - 7^{3/8}" O.D.; 9702 - 7^{3/4}" 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.

Accessories (ordered separately)

Catalog Number	Description
LEDOPTICG3 MFL	Medium Flood Optic (50°)
To order, specify catalog number.	
Catalog Number	Description
TR6 BRZ	6" Trim Ring - 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	

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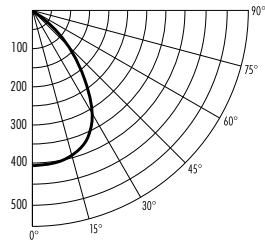
PHOTOMETRICS

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/m²)

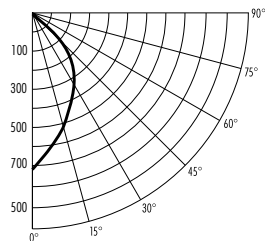
Degrees	Average Luminance
45	10312
55	5771
65	3937
75	3812
85	2591

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/m²)

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.