

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC 1 R LED (WD G4N 06LM) RECESSED HOUSING


SQUARE TRIMS

PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with patented WarmDim® technology (US 8710754) • 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 • 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

PRODUCT SPECIFICATIONS

LED Light Engine Proprietary patented micro processor controlled light engine emulates dimming performance of incandescent light source

- Replaceable light engine attached to high purity aluminum, thermally conductive inner housing and heat sink provides superior 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 8710754.

Optical System Computer-optimized reflector design with high reflectance 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.

Aesthetic Trim Selections Die cast aluminum square downlight, pinhole and lensed trim options • Downlight and pinhole trims feature black insert to minimize glare at the aperture.

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 UL listed for U.S. and Canada through-branch wiring, damp locations • 12SQ trim listed for wet location (covered ceiling) • 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

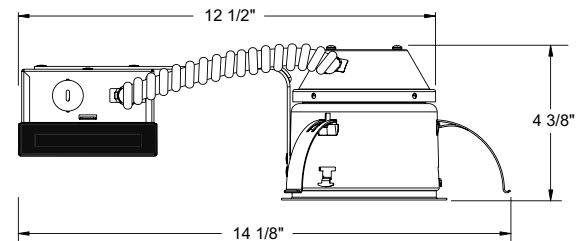
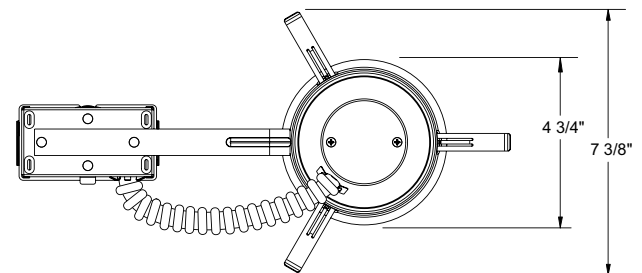
- Aluminum housing sealed for Air-Loc® compliance • Remodel springs accommodate up to 1 1/2" ceiling thickness.

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

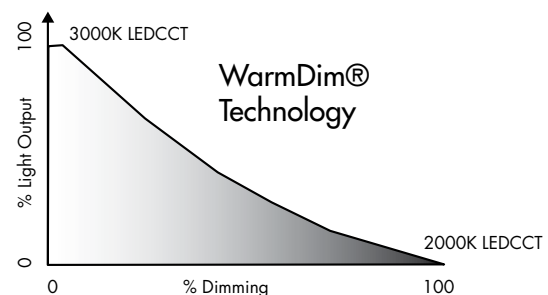


4 3/8" CEILING CUTOUT

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



4" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

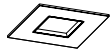
IC1RLED (WD G4N 06LM) RECESSED HOUSING
SQUARE TRIMS

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

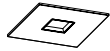
Example: IC1RLED WD G4N 06LM 30K 90CRI 120 FRPC

Series	Dynamic Feature	Generation	Lumens	Color Temperature	CRI	Voltage	Driver
IC1RLED 4" LED IC 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

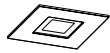
Trim/Description



17SQ BWH³ 4" Square Downlight Trim - Black, White Trim Flange
17SQ HZWH² 4" Square Downlight Trim - Haze, White Trim Flange
17SQ WHZWH² 4" Square Downlight Trim - Wheat Haze, White Trim Flange
17SQ WWH¹ 4" Square Downlight Trim - White, White Trim Flange



13SQ WH 4" Square Pinhole Trim - White



12SQ WWH 4" Square Frosted Lens with Clear Center Trim - White, White Trim Flange



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.

¹ ENERGY STAR® Certified and T24 certified with 120 driver for 30K, 35K and 40K

² ENERGY STAR® Certified with 120 driver for 30K, 35K and 40K

³ Not ENERGY STAR® Certified or T24 certified

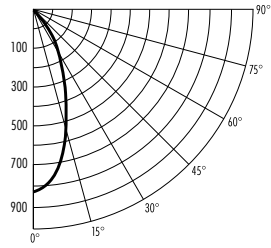
4" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC1RLED (WD G4N 06LM) RECESSED HOUSING
SQUARE TRIMS

PHOTOMETRICS

PHOTOMETRIC REPORT

Test Report #: PT06142504R
Catalog No: IC1RLED WD G4N 06LM 30K
90CRI 120 with 17SQ HZWH Trim
Luminaire Spacing Criterion: 0.66
Luminaire LPW: 52



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	833	
5	800	
15	572	
25	290	
35	105	
45	34	
55	10	
65	2	
75	0	
85	0	
90	0	

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	36	32	28
5.0'	23	20	18
6.0'	16	14	12
7.0'	13	11	10
8.0'	10	9	8
9.0'	8	7	6
10.0'	6	5	4

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	392	N/A	74.8
0-40°	477	N/A	91.1
0-60°	521	N/A	99.4
0-90°	524	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 10W, 44.3° Beam)

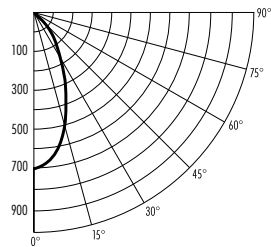
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	52.1	3.3'
6	23.1	4.9'
8	13.0	6.5'
10	8.3	8.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	14130
55	5449
65	1455
75	198
85	0

PHOTOMETRIC REPORT

Test Report #: PT06142604R
Catalog No: IC1RLED WD G4N 06LM 30K
90CRI 120 with 12SQ WWH Trim
Luminaire Spacing Criterion: 0.68
Luminaire LPW: 52



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Vertical	0°
0	701	
5	682	
15	507	
25	261	
35	115	
45	49	
55	25	
65	13	
75	7	
85	3	
90	0	

Multiplier: 27K - 0.89
30K - 0.94
40K - 1.03

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	36	30	27
5.0'	23	19	17
6.0'	16	14	12
7.0'	13	11	10
8.0'	10	9	8
9.0'	8	7	6
10.0'	6	5	4

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	348	N/A	66.5
0-40°	431	N/A	82.3
0-60°	498	N/A	95.1
0-90°	524	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 10W, 46.7° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	43.8	3.5'
6	19.5	5.2'
8	11.0	6.9'
10	7.0	8.6'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	16994
55	10530
65	7691
75	6806
85	8903

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.