

Juno[®]

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 600 LUMEN WARMDIM[®] LED DOWNLIGHT REMODEL

IC1RLWDG4N RECESSED HOUSING



OPEN TRIMS

PRODUCT DESCRIPTION

Dedicated LED, Air-Loc[®] remodel 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 • 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
- Comparable light output to 65W incandescent while consuming 12W

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 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 • Design covered under Patent US 8,710,754.

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 12W.

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 inside housing for easy access from below ceiling.

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

Labels ENERGY STAR[®] Qualified when used with select trims • Certified to the high efficacy requirements of California T24 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.

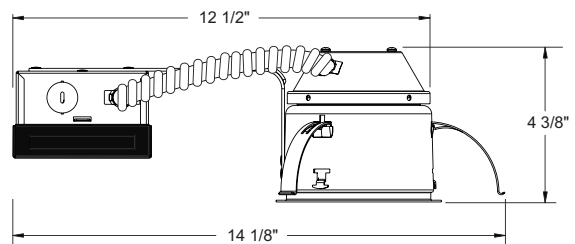
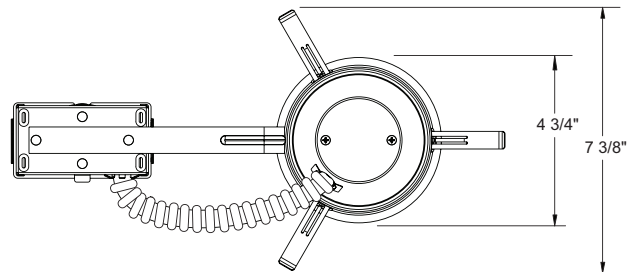
HOUSING FEATURES

Housing Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc[®] compliance • 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

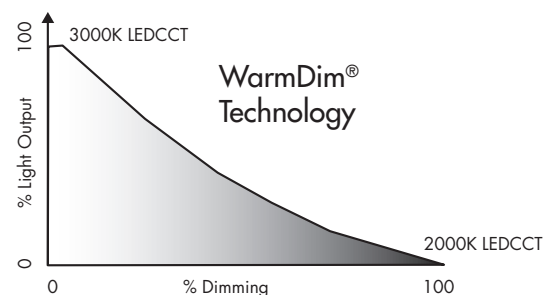


4 3/8" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver

120V	
Input Power	12W (+/- 5%)
Input Current	0.1A
Frequency	50/60 Hz
EMI/RFI	FCC Title 47 CFR, Part 15 Class B (residential)
Minimum starting temp	-20°C









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OPEN TRIMS

ORDERING INFORMATION: Housing and trim each ordered separately.

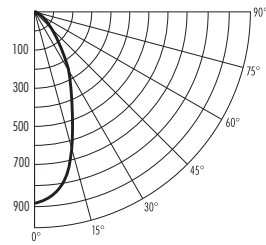
Example: IC1RLWDG4N-3K-1				Example: 14W-WH					
Housing	Color Temperature	Input Voltage		Trim/Description					
IC1RLWDG4N	3K 3000K	1	Dedicated 120V Only (Forward Phase + ELV dimmable)		13-WH	2" Pinhole with Integral Shield		4103FROST-WH 4103FROST-SC	Beveled Cylinder
					14B-WH¹ 14B-SC¹ 14B-ABZ¹ 14B-BL¹ 14W-WH	Black Baffle Black Baffle Black Baffle Black Baffle White Baffle		4104HZ-SC 4104WHZ-ABZ	Beveled Cone - Haze Beveled Cone - Wheat Haze
					17C-WH 17G-WH 17B-WH 17PT-SC 17W-WH 17HZ-WH 17WHZ-WH 17WHZ-ABZ	Cone - Clear Alzak® Cone - Gold Alzak® Cone - Black Alzak® Cone - Pewter Alzak® Cone - Gloss White Cone - Haze Cone - Wheat Haze Cone - Wheat Haze		4150MESH-SC	Cylinder

Trim Size: 5" O.D.
Trim Finish: ABZ - Classic Aged Bronze, BL - Black, SC - Satin Chrome, WH - White.
Alzak is a registered trademark of Alcoa Corp.
Note: In Canada when insulation is present, Type IC fixtures must be used.

¹ Not ENERGY STAR® rated.

PHOTOMETRIC REPORT

Test Report #: PT09141901
Catalog No: IC1LWDG4N-3K-1 with 14W-WH Trim
Luminaire Spacing Criterion: 0.76
Luminaire LPW: 58



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	888
5	864
15	673
25	432
35	220
45	74
55	26
65	10
75	6
85	1
90	0

AVERAGE INITIAL FOOTCANDLES

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

Spacing	RCR1	RCR3	RCR5
4.0'	48	41	36
5.0'	31	27	23
6.0'	22	18	16
7.0'	17	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°	465	N/A	65.9
0-40°	602	N/A	85.4
0-60°	686	N/A	97.3
0-90°	705	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 12.1W, 49° Beam)

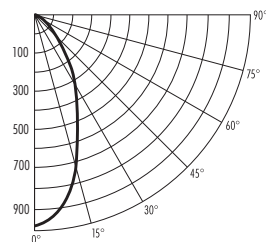
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	55.5	3.6'
6	24.7	5.5'
8	13.9	7.3'
10	8.9	9.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	16923
55	7238
65	4006
75	4026
85	2615

PHOTOMETRIC REPORT

Test Report #: PT09141903
Catalog No: IC1LWDG4N-3K-1 with 17HZ-WH Trim
Luminaire Spacing Criterion: 0.74
Luminaire LPW: 59



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	972
5	941
15	722
25	464
35	219
45	70
55	19
65	3
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'	50	43	38
5.0'	32	27	24
6.0'	22	19	17
7.0'	18	15	14
8.0'	14	12	11
9.0'	11	9	8
10.0'	8	7	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	499	N/A	69.7
0-40°	638	N/A	89.1
0-60°	713	N/A	99.5
0-90°	716	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 12.1W, 48.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	60.8	3.6'
6	27.0	5.4'
8	15.2	7.2'
10	9.7	8.9'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	16048
55	5393
65	1040
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.

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