



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC1RLEDG4 RECESSED HOUSING

OPEN TRIMS



PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with integral light engine

- 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

PRODUCT SPECIFICATIONS

LED Light Engine LED array attached to high purity aluminum, thermally conductive housing provides superior heat transfer to ensure long life of the LED

- Replaceable light engine mounts directly to housing assembly and incorporates the latest generation, high lumen output LED array
- LEDs are binned within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity
- 2700K, 3000K, 3500K, or 4100K color temperatures available
- 90 CRI minimum.

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 less than 12W*.

Aesthetic Trim Selections Compatible with wide selection of existing Juno trims

- Shadow free, knife edge design blends seamlessly into ceiling.

LED Driver Choice of dedicated 120 volt driver or universal voltage driver that accommodates input voltages from 120-277 volts AC at 50/60Hz

- Power factor > 0.9 at 120V input
- 120 volt only driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers
- Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers
- For a list of compatible dimmers, see [JUNOICLED-DIM](#)
- Mounted on the j-box for easy access and cool operation.

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

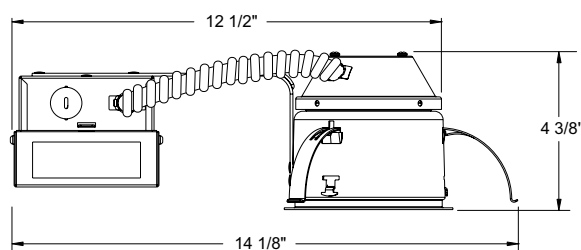
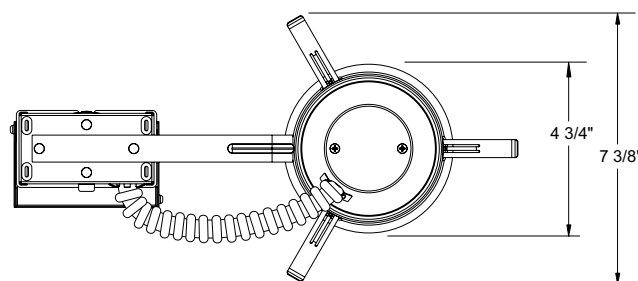
Housing Designed for use in IC (insulated ceiling) or non-IC construction

- 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 Option

120V	
Input Power	11.7W (+/-5%)
Input Current	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

ELECTRICAL DATA

Universal Voltage

	120V	277V
Input Power	12.5W (+/-5%)	12.6W (+/-5%)
Input Current	0.11A	0.05A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class A (commercial)	FCC Title 47 CFR, Part 15, Class A (commercial)
Minimum starting temp	-40°C	-40°C

* Nominal input wattage @ 120-volt operation with dedicated 120-volt driver under stable operating conditions.

4" IC 600 LUMEN LED DOWNLIGHT REMODEL


















IC1RLEDG4 RECESSED HOUSING OPEN TRIMS

ORDERING INFORMATION: Housing and trim each ordered separately.

Example: **IC1RLEDG4-3K-1**

Housing	Color Temperature	Input Voltage
IC1RLEDG4	27K 2700K 3K 3000K 35K 3500K 41K 4100K	1 Dedicated 120V Only (Forward Phase + ELV dimmable) U Universal Voltage, 120-277V (0-10V dimmable)

Example: **14W-WH**

Trim/Description				
	13-WH	2" Pinhole with Integral Shield		4103FROST-WH¹ Beveled Cylinder 4103FROST-SC¹
	14B-WH¹	Black Baffle		4104HZ-SC Beveled Cone - Haze 4104WHZ-ABZ Beveled Cone - Wheat Haze
	14B-SC¹	Black Baffle		
	14B-ABZ¹	Black Baffle		
	14B-BL¹	Black Baffle		
	14W-WH	White Baffle		4150MESH-SC Cylinder
	17C-WH	Cone - Clear Alzak®		
	17G-WH	Cone - Gold Alzak®		
	17B-WH	Cone - Black Alzak®		
	17PT-SC	Cone - Pewter Alzak®		
	17W-WH	Cone - Gloss White		
	17HZ-WH	Cone - Haze		
	17WHZ-WH	Cone - Wheat Haze		
	17WHZ-ABZ	Cone - Wheat Haze		

Trim Size: 5" O.D.
Trim Finish: ABZ - Classic Aged Bronze, BL - Black,
SC - Satin Chrome, WH - White.

¹ Universal Voltage: T24 @ 3K, 35K and 41K only

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.

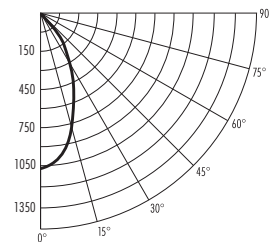
PHOTOMETRIC REPORT

Test Report #: PTO2141303R

Catalog No: IC1LEDG4-35K-1
with 14W-WH Trim

Luminaire Spacing Criterion: 0.72

Luminaire LPW: 56



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1055
5	1026
15	791
25	425
35	146
45	38
55	16
65	7
75	5
85	0
90	0

Multiplier: 27K - 0.89
3K - 0.94
41K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	46	40	35
5.0'	29	26	23
6.0'	20	18	16
7.0'	17	14	13
8.0'	13	11	10
9.0'	10	9	8
10.0'	7	6	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	507	N/A	76.5
0-40°	603	N/A	91.0
0-60°	649	N/A	98.0
0-90°	663	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 11.8W, 44.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	65.9	3.2'
6	29.3	4.9'
8	16.5	6.5'
10	10.6	8.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	8859
55	4517
65	2855
75	2880
85	1425

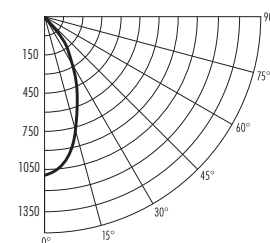
PHOTOMETRIC REPORT

Test Report #: LTL26327R

Catalog No: IC1LEDG4-35K-1
with 17C-WH Trim

Luminaire Spacing Criterion: 0.70

Luminaire LPW: 59



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1072
5	1054
15	785
25	441
35	181
45	59
55	18
65	0
75	0
85	0
90	0

Multiplier: 27K - 0.89
3K - 0.94
41K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	48	42	37
5.0'	31	27	24
6.0'	22	19	16
7.0'	17	15	13
8.0'	14	12	11
9.0'	11	9	8
10.0'	8	7	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	516	N/A	73.9
0-40°	631	N/A	90.5
0-60°	695	N/A	99.6
0-90°	698	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 11.8W, 43.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	67.0	3.2'
6	29.8	4.8'
8	16.8	6.4'
10	10.7	8.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	13321
55	5080
65	766
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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