



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

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

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

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

# 4" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC 1 RLED (G4 06LM) RECESSED HOUSING



LENSED 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 4000K 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.

**Aesthetic Trim Selections** Compatible with wide selection of existing Juno trims

- Shadow free, knife edge design blends seamlessly into ceiling.
- Trims are wet location approved for covered ceiling applications.

**LED Driver** Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) drivers that accommodate 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 drivers are 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® 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 wet locations (covered ceilings)
- Union made
- UL and cUL.

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

Specifications subject to change without notice.

## HOUSING FEATURES

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

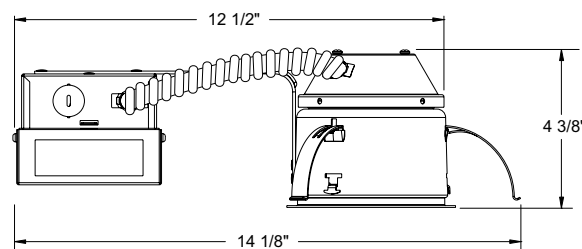
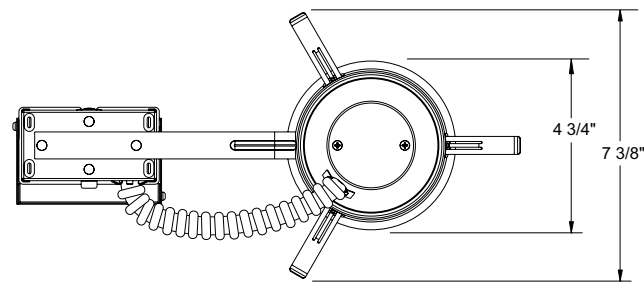
- Aluminum housing sealed for Air-Loc
- Remodel springs accommodate up to 1 1/2" ceiling thickness.

**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

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LENSED TRIMS

## ELECTRICAL DATA

### Dedicated 120V Only Driver Option (120 FRPC)

120V	
Input Power	8.6W (+/-5%)
Input Current	0.07A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

## ELECTRICAL DATA

### Universal Voltage

MVOLT EZ10 and EZ1		MVOLT ZT10 and ZT1	
120V	277V	120V	277V
Input Power	8.3W (+/-5%)	8.9W (+/-5%)	8.3W (+/-5%)
Input Current	0.07A	0.03A	0.07A
Frequency	50/60Hz	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C

## ORDERING INFORMATION

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

Example: IC1RLED G4 06LM 27K 90CRI 120 FRPC

Series	Generation	Lumens	Color Temperature	CRI	Voltage/Driver
IC1RLED 4" LED IC Remodel Downlight	G4 Generation 4	06LM 600 Nominal Lumens	27K 2700K	90CRI 90+ CRI	120 FRPC 120V Forward/Reverse Phase Cut, 5% dim
			30K 3000K		MVOLT ZT10 Multi-Volt (120-277), 0-10V, 10% dim
			35K 3500K		MVOLT ZT1 Multi-Volt (120-277), 0-10V, 1% dim
			40K 4000K		MVOLT EZ10 Multi-Volt (120-277), eidoLED 0-10V, 10% dim
					MVOLT EZ1 Multi-Volt (120-277), eidoLED 0-10V, 1% dim



A+ Capable options indicated by this color background

## Trim/Description



**11 WH** 4" Lensed Drop Opal Trim - White



**12 WABZ**<sup>1</sup> 4" Frosted Lens with Clear Center Trim - Perimeter Frosted Lens, Classic Aged Bronze Trim Ring



**12 WSC**<sup>1</sup> 4" Frosted Lens with Clear Center Trim - Perimeter Frosted Lens, Satin Chrome Trim Ring



**12 WWH**<sup>1</sup> 4" Frosted Lens with Clear Center Trim - White, White Trim Ring



**4101 ABZ**<sup>1</sup> 4" Decorative Beveled Dome Lens Trim - Classic Aged Bronze



**4101 SC**<sup>1</sup> 4" Decorative Beveled Dome Lens Trim - Satin Chrome



**4101 WH**<sup>1</sup> 4" Decorative Beveled Dome Lens Trim - White



**4102 ABZ** 4" Decorative Beveled Lens Trim - Classic Aged Bronze



**4102 SC** 4" Decorative Beveled Lens Trim - Satin Chrome



**4102 WH** 4" Decorative Beveled Lens Trim - White

Trim Size: 5" O.D.

Note: In Canada when insulation is present, Type IC fixtures must be used.

UL Listed for use in wet location.

<sup>1</sup> Multi-Volt: T24 @ 30K, 35K and 40K only

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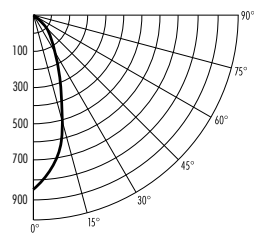
## PHOTOMETRICS

### PHOTOMETRIC REPORT

Test Report #: PT08111601R  
Catalog No: IC1 RLED G4 06LM 35K  
with 12 WWH Trim

Luminaire Spacing Criterion: 0.58

Luminaire LPW: 59



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	850
5	782
15	500
25	251
35	114
45	57
55	32
65	20
75	11
85	2
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'	35	30	26
5.0'	22	19	16
6.0'	15	13	11
7.0'	13	11	9
8.0'	10	8	7
9.0'	8	6	6
10.0'	6	5	4

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0 - 30°	328	N/A	64.3
0 - 40°	402	N/A	78.8
0 - 60°	476	N/A	93.4
0 - 90°	510	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 8.6W, 35.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	53.1	2.6'
6	23.6	3.8'
8	13.3	5.1'
10	8.5	6.4'

### LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	12863
55	8870
65	7660
75	6552
85	3538

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.