

# JUNO®

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

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

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

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

## 6" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC22RLED (G4 06LM) RECESSED HOUSING



### OPEN TRIMS

### PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel 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 • 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

### PRODUCT SPECIFICATIONS

**LED Light Engine** LED array integrated to thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LED • Replaceable light engine mounts directly to housing 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 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 less than 9W\* • Wide flood (>70°) distribution shipped as standard with optional optic accessories 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** 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 between the j-box and housing for easy access and cool operation.

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

**Labels** ENERGY STAR® Certified when used with select baffle and cone trims • Certified to the high efficacy requirements of California T24 JA8-2016 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.

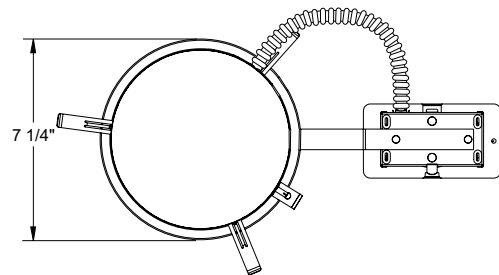
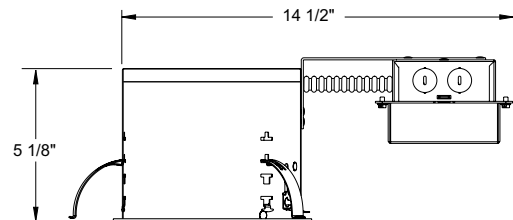
### HOUSING FEATURES

**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.

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

### DIMENSIONS



6 3/4" CEILING CUTOUT

# 6" IC 600 LUMEN LED DOWNLIGHT REMODEL

## IC22RLED (G4 06LM) RECESSED HOUSING OPEN 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%)	8.9W (+/-5%)
Input Current	0.07A	0.03A	0.07A	0.03A
Frequency	50/60Hz	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)	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C	-20°C	-20°C	-20°C

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









Example: IC22RLED G4 06LM 27K 90CRI 120 FRPC

Series	Generation	Lumens	Color Temperature	CRI	Voltage/Driver
IC22RLED 6" LED 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), eLdoLED 0-10V, 10% dim
					MVOLT EZ1 Multi-Volt (120-277), eLdoLED 0-10V, 1% dim



A+ Capable options indicated by this color background

### Trim/Description

	<b>24 BABZ</b> <sup>1,2</sup> <b>24 BBL</b> <sup>1,2</sup> <b>24 BSC</b> <sup>1,2</sup>	Tapered Black Baffle, Classic Aged Bronze Trim Ring Tapered Black Baffle, Black Trim Ring Tapered Black Baffle, Satin Chrome Trim Ring		<b>9024 WWH</b>	White Octagonal w/ White Baffle
	<b>24 BWH</b> <sup>1,2</sup> <b>24 WWH</b>	Tapered Black Baffle, White Trim Ring Tapered White Baffle, White Trim Ring		<b>9324 SC</b>	Luminous Disk (Frosted)
	<b>27 BWH</b> <sup>1,2</sup> <b>27 CWH</b> <b>27 GWH</b> <b>27 HZWH</b>	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		<b>9524 SC</b>	Chrome Band
	<b>27 PTSC</b> <b>27 WHZABZ</b> <b>27 WHZWH</b> <b>27 WWH</b>	Tapered Pewter Cone, Satin Chrome Trim Ring Tapered Wheat Haze Cone, Classic Aged Bronze Trim Ring Tapered Wheat Haze Cone, White Trim Ring Tapered White Cone, White Trim Ring		<b>9702</b>	Luminous Collar (Frosted)

Trim Size: 24, 27, 9324, 9524 - 7<sup>5/8</sup>" O.D.; 9702 - 7<sup>3/4</sup>" 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.

<sup>1</sup> Not ENERGY STAR® Certified

<sup>2</sup> 120V and Multi-Volt: T24 @ 30K, 35K, 40K only

### Accessories

Catalog Number	Description
LEDOPTICG3 MFL	Medium Flood Optic (50°)
LEDOPTICG3 NFL	Narrow Flood Optic (37°)
LEDOPTICG3 SP	Spot Optic (10°)

To order, specify catalog number.

Catalog Number	Description
TR6 ABZ	6" Trim Ring - Classic Aged 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

# 6" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC22RLED (G4 06LM) RECESSED HOUSING  
OPEN TRIMS

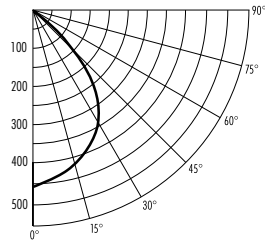
## PHOTOMETRICS

### PHOTOMETRIC REPORT

Test Report #: PT02141401  
Catalog No: IC22RLED G4 06LM 35K  
with 24 WWH Trim and standard  
wide flood optic

Luminaire Spacing Criterion: 1.16

Luminaire LPW: 85



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical	0°
0	455
5	451
15	424
25	378
35	297
45	134
55	59
65	29
75	17
85	4
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'	49	41	34
5.0'	32	26	22
6.0'	22	18	15
7.0'	18	15	12
8.0'	14	12	10
9.0'	11	9	7
10.0'	8	7	5

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	336	N/A	46.0
0-40°	517	N/A	70.8
0-60°	679	N/A	92.9
0-90°	731	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 8.6W, 78.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	28.4	6.6'
6	12.6	9.9'
8	7.1	13.1'
10	4.5	16.4'

### LUMINANCE (Average cd/m<sup>2</sup>)

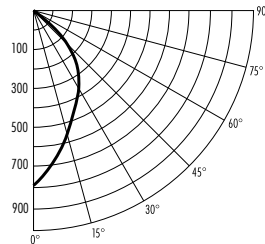
Degrees	Average Luminance
45	10410
55	5634
65	3758
75	3756
85	2451

### PHOTOMETRIC REPORT

Test Report #: LTL25975R  
Catalog No: IC22RLED G4 06LM 35K  
with 27 CWH Trim and standard  
wide flood optic

Luminaire Spacing Criterion: 0.78

Luminaire LPW: 93



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	Candelas
Vertical	0°
0	797
5	749
15	569
25	446
35	318
45	152
55	48
65	10
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'	55	46	40
5.0'	35	30	25
6.0'	25	21	18
7.0'	20	17	14
8.0'	16	13	11
9.0'	12	10	9
10.0'	9	7	6

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	433	N/A	53.9
0-40°	629	N/A	78.3
0-60°	793	N/A	98.7
0-90°	803	N/A	100.0

### INITIAL FOOTCANDLES (One Unit, 8.6W, 58.1° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	49.8	4.4'
6	22.2	6.7'
8	12.5	8.9'
10	8.0	11.1'

### LUMINANCE (Average cd/m<sup>2</sup>)

Degrees	Average Luminance
45	12833
55	5012
65	1389
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.