



Green Electrical Supply

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Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

6" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC22RLEDG3 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
- 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 while consuming less than 11W*



PRODUCT SPECIFICATIONS

LED Light Engine LED array integrated to one piece high purity aluminum, 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 to standards that exceed ENERGY STAR® requirements yielding superior fixture to fixture color uniformity
- 2700K, 3000K, 3500K, or 4100K color temperatures available
- 83 CRI typical.

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 11W*
- Wide flood 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 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 [JUNOEDG3-6-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® qualified to luminaires V1.1 requirements when used with select baffle and cone trims

- Certified to the high efficiency requirements of California T24-2008 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

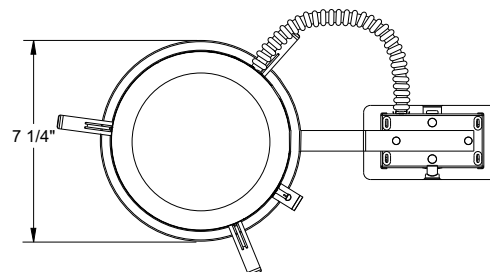
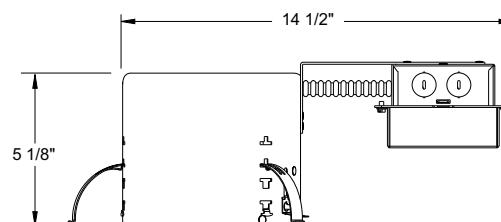
Housing Designed for use in IC (insulated ceiling) or non-IC construction

- 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.

DIMENSIONS



6 3/4" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver Option

120V	
Input Power	10.5W (+/-5%)
Input Current - Max	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C

ELECTRICAL DATA

Universal Voltage

	120V	277V
Input Power	12W (+/-5%)	12.3W (+/-5%)
Input Current - Max	0.11A	0.055A
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 drive under stable operating conditions.

6" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC22RLEDG3 RECESSED HOUSING OPEN TRIMS

ORDERING INFORMATION: Housing, trim and accessories each ordered separately.

Example: **IC22RLEDG3-3K-1**


















Housing	Color Temperature	Input Voltage
IC22RLEDG3	27K 2700K 3K 3000K 35K 3500K 41K 4100K	1 Dedicated 120V Only (Forward Phase + ELV dimmable) U Universal Voltage, 120-277V (0-10V dimmable)

ACCESSORIES

Catalog No.	Description
LEDOPTICG3-M	Medium Flood Optic (50°)
LEDOPTICG3-N	Narrow Flood Optic (37°)
LEDOPTICG3-S	Spot Optic (10°)

To order, specify catalog number.

Example: **24W-WH**

Trim/Description	
	24W-WH Conical White Baffle
	24B-WH^{1,2} Conical Black Baffle
	24B-SC^{1,2} Conical Black Baffle
	24B-ABZ^{1,2} Conical Black Baffle
	24B-BL^{1,2} Conical Black Baffle
	27C-WH Conical Cone in Clear Alzak®
	27G-WH Conical Cone in Gold Alzak®
	27B-WH^{1,2} Conical Cone in Black Alzak®
	27PT-SC Conical Cone in Pewter Alzak®
	27W-WH Conical Cone in Gloss White
	27HZ-WH Conical Cone in Haze
	27WHZ-WH Conical Cone in Wheat Haze
	27WHZ-ABZ Conical Cone in Wheat Haze
	9024W-WH White Octagonal w/ White Baffle
	9324-SC Luminous Disc (Frosted)
	9524-SC Chrome Band
	9702 Luminous Collar (Frosted)

Trim Size: 24, 27, 9324, 9524 - 7 $\frac{3}{4}$ " O.D.; 9702 - 7 $\frac{3}{4}$ " O.D.; 9024 - 8" 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

² Universal Voltage:

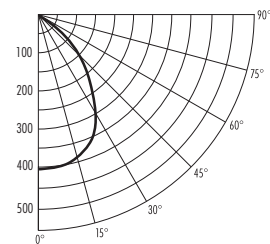
T24 @ 35K, 41K only

PHOTOMETRIC REPORT

Test Report #: LTL25974R
Catalog No: IC22LEDG3-35K
with 24W-WH Trim
and standard wide flood optic

Luminaire Spacing Criterion: 1.16

Luminaire LPW: 64



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	404
5	401
15	379
25	337
35	261
45	139
55	61
65	28
75	16
85	4
90	0

Multiplier: 27K - 0.90
3K - 0.97
41K - 1.04

AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	46	39	33
5.0'	30	25	21
6.0'	21	17	15
7.0'	17	14	12
8.0'	13	11	9
9.0'	10	8	7
10.0'	7	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	300	N/A	44.4
0-40°	461	N/A	68.2
0-60°	625	N/A	92.5
0-90°	675	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 10.6W, 79.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	25.3	6.7'
6	11.2	10.0'
8	6.3	13.4'
10	4.0	16.7'

LUMINANCE (Average cd/m²)

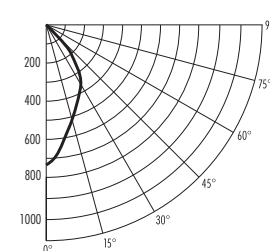
Degrees	Average Luminance
45	11731
55	6304
65	4019
75	3756
85	2961

PHOTOMETRIC REPORT

Test Report #: LTL25975R
Catalog No: IC22LEDG3-35K
with 27C-WH Trim
and standard wide flood optic

Luminaire Spacing Criterion: 0.78

Luminaire LPW: 69



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	718
5	674
15	512
25	401
35	286
45	137
55	43
65	9
75	0
85	0
90	0

Multiplier: 27K - 0.90
3K - 0.97
41K - 1.04

AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	50	42	36
5.0'	32	27	23
6.0'	22	18	16
7.0'	18	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°	390	N/A	53.9
0-40°	566	N/A	78.3
0-60°	713	N/A	98.7
0-90°	723	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 10.6W, 58.1° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	44.9	4.4'
6	19.9	6.7'
8	11.2	8.9'
10	7.2	11.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	11550
55	4510
65	1250
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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