

Juno®

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

6" IC 900 LUMEN LED DOWNLIGHT REMODEL

IC922RLEDG3 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 75W PAR30 incandescent while consuming less than 15W*



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 produces 900 lumens typical with select trims (see page 2 for details) using less than 15W*
- 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 [JUNOLEDG3-9-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

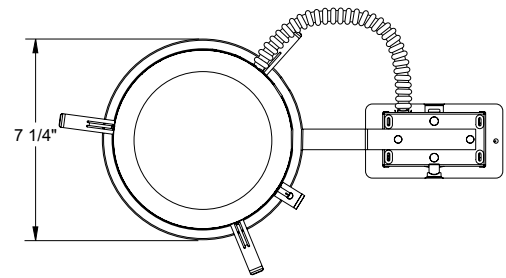
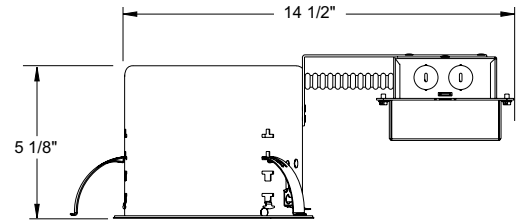
Housing Designed for use in IC (insulated ceiling) or non-IC construction

- 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	14.6W (+/-5%)
Input Current - Max	0.14A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 18 Class B (consumer)
Minimum starting temp	-20°C

ELECTRICAL DATA

Universal Voltage

	120V	277V
Input Power	15.8W (+/-5%)	16.1W (+/-5%)
Input Current - Max	0.145A	0.064A
Frequency	50/60Hz	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15 Class A (non-consumer)	FCC Title 47 CFR, Part 15 Class A (non-consumer)
Minimum starting temp	-40°C	-40°C

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

6" IC 900 LUMEN LED DOWNLIGHT REMODEL

IC922RLEDG3 RECESSED HOUSING


















OPEN TRIMS

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

Example: **IC922RLEDG3-3K-1**

Housing	Color Temperature	Input Voltage
IC922RLEDG3	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: **24W-WH**

Trim/Description			
	24W-WH ² Conical White Baffle		9024W-WH White Octagonal w/ White Baffle
	24B-WH ^{1,3} Conical Black Baffle		9324-SC Luminous Disc (Frosted)
	24B-SC ^{1,3} Conical Black Baffle		9524-SC Chrome Band
	24B-ABZ ^{1,3} Conical Black Baffle		9702 Luminous Collar (Frosted)
	24B-BL ^{1,3} Conical Black Baffle		
	27C-WH ⁴ Conical Cone in Clear Alzak®		
	27G-WH ⁴ Conical Cone in Gold Alzak®		
	27B-WH ^{1,5} Conical Cone in Black Alzak®		
	27PT-SC ² Conical Cone in Pewter Alzak®		
	27W-WH ² Conical Cone in Gloss White		
	27HZ-WH ² Conical Cone in Haze		
	27WHZ-WH ² Conical Cone in Wheat Haze		
	27WHZ-ABZ ⁴ Conical Cone in Wheat Haze		

ACCESSORIES

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

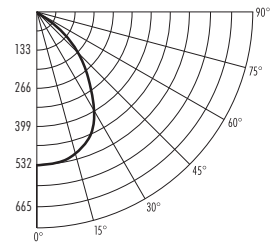
To order, specify catalog number.

Trim Size: 24, 27, 9324, 9524 - 7⁵/₈" O.D.; 9702 - 7³/₄" 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
³ 120V: T24 certified
⁴ Universal Voltage: T24 @ 3K, 35K, 41K only
⁵ 120V only: T24 certified

PHOTOMETRIC REPORT

Test Report #: LTL25977R
Catalog No: IC922LEDG3-35K
with 24W-WH Trim
and standard wide flood optic
Luminaire Spacing Criterion: 1.16
Luminaire LPW: 60



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	531
5	528
15	500
25	444
35	344
45	183
55	80
65	38
75	21
85	6
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'	61	51	44
5.0'	39	33	28
6.0'	27	23	20
7.0'	22	18	16
8.0'	17	15	12
9.0'	13	11	10
10.0'	10	8	7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	395	N/A	44.4
0-40°	607	N/A	68.2
0-60°	823	N/A	92.5
0-90°	890	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 14.9W, 79.8° Beam)

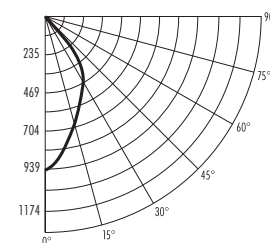
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	33.2	6.7'
6	14.8	10.0'
8	8.3	13.4'
10	5.3	16.7'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	15442
55	8313
65	5305
75	4933
85	4091

PHOTOMETRIC REPORT

Test Report #: LTL25978R
Catalog No: IC922LEDG3-35K
with 27C-WH Trim
and standard wide flood optic
Luminaire Spacing Criterion: 0.78
Luminaire LPW: 63



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	939
5	880
15	668
25	524
35	375
45	179
55	57
65	12
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'	65	54	47
5.0'	42	35	30
6.0'	29	24	21
7.0'	23	20	17
8.0'	18	15	13
9.0'	14	12	10
10.0'	10	9	7

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	508	N/A	53.8
0-40°	739	N/A	78.3
0-60°	932	N/A	98.7
0-90°	945	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 14.9W, 58.0° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	58.7	4.4'
6	26.1	6.7'
8	14.7	8.9'
10	9.4	11.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	15103
55	5914
65	1632
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.



1300 S. Wolf Road • Des Plaines, IL 60018 • Phone (847) 827-9880 • Fax (847) 827-2925
220 Chrysler Drive • Brampton, Ontario • Canada L6S 6B6 • Phone (905) 792-7335 • Fax (905) 792-0064
Visit us at www.junolightinggroup.com