

JUNO®

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

6" IC 900 LUMEN LED DOWNLIGHT REMODEL

IC922RLEDG3 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
- 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

- 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.
- Trims are wet location approved for covered ceiling applications.

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

Product specifications subject to change without notice.

HOUSING FEATURES

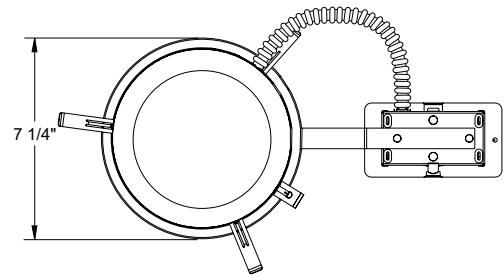
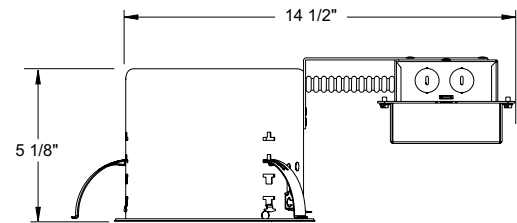
Housing Designed for use in IC (insulated ceiling) or non-IC construction

- 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.

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IC922RLEDG3 RECESSED HOUSING

LENSED 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) |

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: **2330W-WH**

| Trim/Description | |
|--|--|
|  20-WH 20-PW | Albalite Shower/Closet Light |
|  21-WH 21-PW | Drop Opal Shower/Closet Light |
|  22-WH | Fresnel |
|  239-WH *  | Frosted Lens |
|  242-WH 242-SC 242-ABZ | Shower Trim Frosted Lens with Clear Center |
|  243-WH * | Decorative Swirled Etched Opal Glass |
|  2330-WH * | White Baffle, Regressed Frosted Dome Lens with Reflector |
|  2330B-WH * | Black Baffle, Regressed Frosted Dome Lens with Reflector |
|  6101-ABZ * 6101-SC * 6101-WH * | Beveled Frame - Frosted Dome Lens with Reflector |

UL listed for use in wet location.


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

* Do not use reflector shipped with trim for LED housing.

Trim Size: 2330 - 7³/₈" O.D.; 239, 242, 243, 9900 - 7⁵/₈" O.D.; 6101 - 7³/₄" O.D.; 20, 21, 22 - 8" O.D.

Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White, PW - Plastic White (Polycarbonate material shower trim).

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

 JUNO IC housings meet IECC Energy Code requirements per ASTM E283.

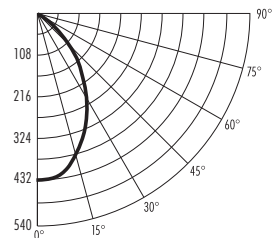
Air-Loc[®] rated trims are pre-gasketed for minimum air leakage with IC housings.

PHOTOMETRIC REPORT

Test Report #: PT10112101
Catalog No: IC922LEDG3-35K
with 239-WH Trim
and standard wide flood optic

Luminaire Spacing Criterion: 1.02

Luminaire LPW: 45



CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees Vertical | 0° |
|------------------|-----|
| 0 | 432 |
| 5 | 426 |
| 15 | 392 |
| 25 | 320 |
| 35 | 215 |
| 45 | 126 |
| 55 | 74 |
| 65 | 45 |
| 75 | 24 |
| 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' | 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° | 296 | N/A | 43.9 |
| 0-40° | 431 | N/A | 63.8 |
| 0-60° | 597 | N/A | 88.5 |
| 0-90° | 675 | N/A | 100.0 |

INITIAL FOOTCANDLES (One Unit, 14.9W, 70.1° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4 | 27.0 | 5.6' |
| 6 | 12.0 | 8.4' |
| 8 | 6.8 | 11.2' |
| 10 | 4.3 | 14.0' |

LUMINANCE (Average cd/m²)

| Degrees | Average Luminance |
|---------|-------------------|
| 45 | 9787 |
| 55 | 7054 |
| 65 | 5794 |
| 75 | 5142 |
| 85 | 3665 |

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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