



# 5" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

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

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

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

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

IC20RLED (WD G4N 06LM), RECESSED HOUSING  
LENSED TRIMS

## PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with integral patented WarmDim® technology • LED color temperature warms while dimming to emulate the dimming performance of traditional incandescent light sources • 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 10W

## PRODUCT SPECIFICATIONS

**LED Light Engine** Proprietary patented micro processor controlled light engine emulates dimming performance of incandescent light source • Replaceable light engine integrated to thermally conductive housing provides uninterrupted heat transfer to ensure long life of the LEDs • 3000K color temperature at full lumen output • 90 CRI minimum throughout dimming range • Design covered under Patent US 8,710,754.

**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 (>70°) distribution shipped as standard with optional optic accessory 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 applications.

**LED Driver** Dedicated 120 volt driver • Power factor > 0.9 • Dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage 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** 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.

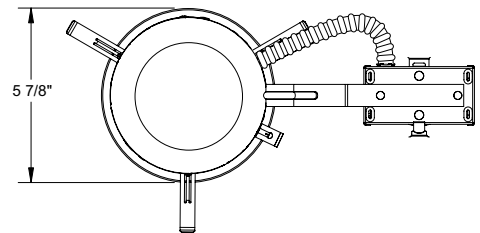
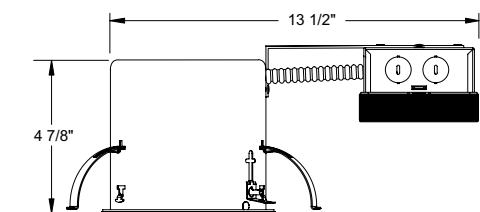
## HOUSING FEATURES

**Housing** Designed for use in IC (insulated ceiling) or non-IC construction • Aluminum housing sealed for Air-Loc® compliance when used with ALG kit • 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

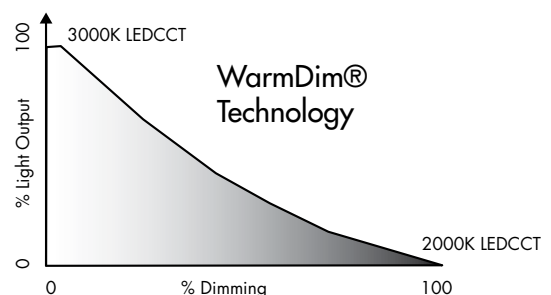


5 1/2" CEILING CUTOUT

## ELECTRICAL DATA

### Dedicated 120V Only Driver

| 120V                  |  |
|-----------------------|--|
| Input Power           | 10W (+/- 5%)                                       |
| Input Current         | 0.08A  |
| Frequency             | 50/60 Hz   |
| EMI/RFI               | FCC Title 47 CFR, Part 15<br>Class B (residential) |
| Minimum starting temp | -20°C  |



MAINSTREAM  
DYNAMIC  
BY ACUITY BRANDS®

# 5" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

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**LENSED TRIMS**

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

Example: IC20RLED WD G4N 06LM 30K 90CRI 120 FRPC

| Series                                     | Dynamic Feature | Generation           | Lumens                  | Color Temperature | CRI           | Voltage  | Driver                          |
|--|-----------------|----------------------|-------------------------|-------------------|---------------|----------|---------------------------------|
| IC20RLED<br>5" LED IC Remodel<br>Downlight | WD Warm Dim     | G4N Generation 4 New | 06LM 600 Nominal Lumens | 30K 3000K         | 90CRI 90+ CRI | 120 120V | FRPC Forward/ Reverse Phase Cut |

## Trim/Description




- 210N WH \*** 5" Lensed Flat Glass Shower Trim - White  
**210N SC \*** 5" Lensed Flat Glass Shower Trim - Satin Chrome  
**210N ABZ \*** 5" Lensed Flat Glass Shower Trim - Classic Aged Bronze




- 212N WH \*** 5" Lensed Frosted Lens with Clear Center Trim - White  
**212N SC \*** 5" Lensed Frosted Lens with Clear Center Trim - Satin Chrome  
**212N ABZ \*** 5" Lensed Frosted Lens with Clear Center Trim - Classic Aged Bronze




- 2130 WWH \*** 5" Lensed Baffle with Regressed Frosted Dome Lens Trim - White Baffle, White Trim Ring  
**2130 BWH \*** 5" Lensed Baffle with Regressed Frosted Dome Lens Trim - Black Baffle, Black Trim Ring




- 5101 ABZ \*** 5" Lensed Beveled Frame with Frosted Dome Lens Trim - Classic Aged Bronze  
**5101 SC \*** 5" Lensed Beveled Frame with Frosted Dome Lens Trim - Satin Chrome  
**5101 WH \*** 5" Lensed Beveled Frame with Frosted Dome Lens Trim - White

UL Listed for use in wet location.

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

Trim Size: 210, 212, 2130 - 6 1/4" O.D.; 5101 - 6 1/2" O.D.

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.

## Accessories (ordered separately)

### Catalog Number Description

**LEDOPTICG3 MFL** Medium Flood Optic (50°)

To order, specify catalog number.

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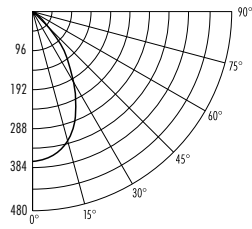
IC2ORLED (WD G4N 06LM), RECESSED HOUSING  
LENSED TRIMS

## PHOTOMETRIC REPORT

Test Report #: PT09141105  
Catalog No: IC2ORLED WD G4N 06LM  
30K with 210N WH Trim and  
Standard Wide Flood Optic

Luminaire Spacing Criterion: 0.98

Luminaire LPW: 46



## CANDLEPOWER DISTRIBUTION (Candelas)

| Degrees | 0°  |
|---------|-----|
| 0       | 358 |
| 5       | 354 |
| 15      | 326 |
| 25      | 256 |
| 35      | 146 |
| 45      | 70  |
| 55      | 37  |
| 65      | 21  |
| 75      | 10  |
| 85      | 3   |
| 90      | 0   |

## AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

| Spacing | RCR1 | RCR3 | RCR5 |
|---------|------|------|------|
| 4.0'    | 31   | 26   | 22   |
| 5.0'    | 20   | 16   | 14   |
| 6.0'    | 14   | 11   | 10   |
| 7.0'    | 11   | 9    | 8    |
| 8.0'    | 9    | 7    | 6    |
| 9.0'    | 7    | 6    | 5    |
| 10.0'   | 5    | 4    | 3    |

## ZONAL LUMEN SUMMARY

| Zone  | Lumens | %Lamp | %Fixture |
|-------|--------|-------|----------|
| 0-30° | 241    | N/A   | 52.7     |
| 0-40° | 333    | N/A   | 72.9     |
| 0-60° | 422    | N/A   | 92.4     |
| 0-90° | 456    | N/A   | 100.0    |

## INITIAL FOOTCANDLES

(One Unit, 10W, 64.1° Beam)

| Distance to Illuminated Plane (Feet) | Footcandles Beam Center | Beam Diameter |
|--------------------------------------|-------------------------|---------------|
| 4                                    | 22.4                    | 5.0'          |
| 6                                    | 9.9                     | 7.5'          |
| 8                                    | 5.6                     | 10.0'         |
| 10                                   | 3.6                     | 12.5'         |

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

| Degrees | Average Luminance |
|---------|-------------------|
| 45      | 12465             |
| 55      | 8154              |
| 65      | 6188              |
| 75      | 5004              |
| 85      | 3751              |

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.