

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

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

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

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



# 5" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC20RLED (WD G4N 06LM), RECESSED HOUSING

OPEN 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 • 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 10W • 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.

**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** ENERGY STAR® Certified when used with select 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.

Specifications subject to change without notice.

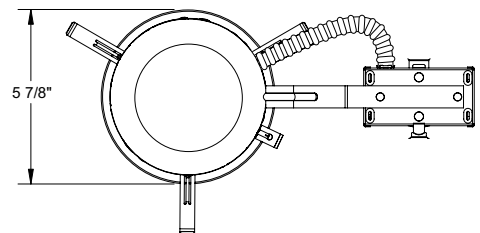
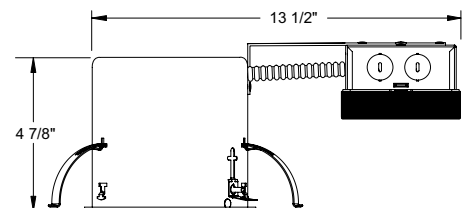
## HOUSING FEATURES

**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 1/8" 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

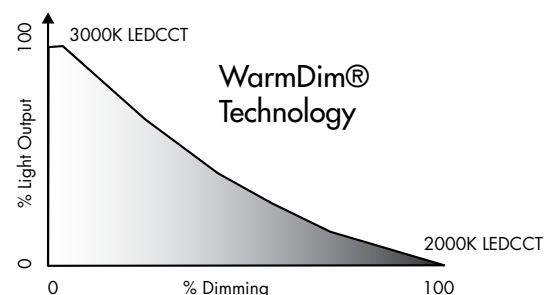


5 1/2" CEILING CUTOUT

## 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 Class B (residential)
Minimum starting temp	-20°C



**MAINSTREAM  
DYNAMIC**  
BY ACUITY BRANDS®

# 5" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

IC20RLED (WD G4N 06LM), RECESSED HOUSING  
**OPEN 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 5" LED IC Remodel 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



- 205 BABZ<sup>1</sup>** 5" Downlight Baffle Trim - Black Baffle, Classic Aged Bronze Trim Ring <sup>1</sup> Not Energy Star® Certified
- 205 BSC<sup>1</sup>** 5" Downlight Baffle Trim -Black Baffle, Satin Chrome Trim Ring
- 205 BWH<sup>1</sup>** 5" Downlight Baffle Trim -Black Baffle, White Trim Ring
- 205 WWH** 5" Downlight Baffle Trim -White Baffle, White Trim Ring



- 204 BWH<sup>1</sup>** 5" Downlight Cone Trim -Black Alzak® Cone, White Trim Ring
- 204 CWH** 5" Downlight Cone Trim -Clear Alzak® Cone, White Trim Ring
- 204 GWH** 5" Downlight Cone Trim -Gold Alzak® Cone, White Trim Ring
- 204 HZWH** 5" Downlight Cone Trim -Haze Cone, White Trim Ring
- 204 PTSC** 5" Downlight Cone Trim -Pewter Alzak® Cone, Satin Chrome Trim Ring
- 204 WHZABZ** 5" Downlight Cone Trim -Wheat Haze Cone, Classic Aged Bronze Trim Ring
- 204 WHZWH** 5" Downlight Cone Trim -Wheat Haze Cone, White Trim Ring
- 204 WWH** 5" Downlight Cone Trim -White Cone, White Trim Ring



Trim Size: 6¼" O.D.

Alzak® is a registered trademark of Alcoa Corp.

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

## Accessories (ordered separately)

Catalog Number	Description
LEDOPTICG3 MFL	Medium Flood Optic (50°)

To order, specify catalog number.

Catalog Number	Description
TR5 ABZ	5" Trim Ring - Classic Aged Bronze
TR5 BL	5" Trim Ring - Black
TR5 SC	5" Trim Ring - Satin Chrome
TR5 WH	5" Trim Ring - White

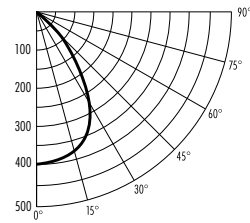
To order, specify catalog number.

# 5" IC 600 LUMEN WARMDIM® LED DOWNLIGHT REMODEL

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

## PHOTOMETRIC REPORT

**Test Report #:** PT09141101  
**Catalog No:** IC2ORLED WD G4N 06LM  
30K 120 FRPC with 205 WWH Trim and  
standard wide flood optic  
**Luminaire Spacing Criterion:** 1.12  
**Luminaire LPW:** 62



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	402
5	400
15	384
25	334
35	227
45	102
55	54
65	31
75	18
85	4
90	0

## AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	42	34	29
5.0'	27	22	18
6.0'	19	15	13
7.0'	15	12	10
8.0'	12	10	8
9.0'	9	7	6
10.0'	7	5	5

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	298	N/A	47.9
0-40°	438	N/A	70.3
0-60°	569	N/A	91.3
0-90°	623	N/A	100.0

## INITIAL FOOTCANDLES (One Unit, 10W , 73.4° Beam)

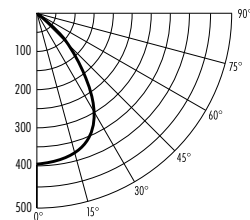
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	25.1	6.0'
6	11.2	8.9'
8	6.3	11.9'
10	4.0	14.9'

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

Degrees	Average Luminance
45	13638
55	8993
65	6866
75	6631
85	4025

## PHOTOMETRIC REPORT

**Test Report #:** PT09141104  
**Catalog No:** IC2ORLED WD G4N 06LM  
30K 120 FRPC with 204 HZWH Trim  
and standard wide flood optic  
**Luminaire Spacing Criterion:** 1.20  
**Luminaire LPW:** 67



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	386
5	386
15	381
25	346
35	252
45	125
55	69
65	37
75	15
85	0
90	0

## AVERAGE INITIAL FOOTCANDLES

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

Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	45	37	31
5.0'	29	24	20
6.0'	20	16	14
7.0'	16	13	11
8.0'	13	11	9
9.0'	10	8	7
10.0'	7	6	5

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	302	N/A	44.9
0-40°	457	N/A	68.0
0-60°	618	N/A	91.9
0-90°	672	N/A	100.0

## INITIAL FOOTCANDLES (One Unit, 10W , 78.2° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	24.1	6.5'
6	10.7	9.8'
8	6.0	13.0'
10	3.9	16.3'

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

Degrees	Average Luminance
45	16722
55	11390
65	8324
75	5422
85	435

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.