

JUNO

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

5" IC 600 LUMEN LED DOWNLIGHT REMODEL

IC20RLEDG4 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

PRODUCT SPECIFICATIONS

LED Light Engine LED array integrated to 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 within a 3-step MacAdam Ellipse exceeding ENERGY STAR® requirements for superior fixture to fixture color uniformity
- 2700K, 3000K, 3500K, or 4100K color temperatures available
- 90 CRI minimum.

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 12W*
- 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 [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® Qualified when used with select baffle and cone trims

- Certified to the high efficacy requirements of California T24 with select trims
- UL listed for U.S. and Canada through-branch wiring, 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

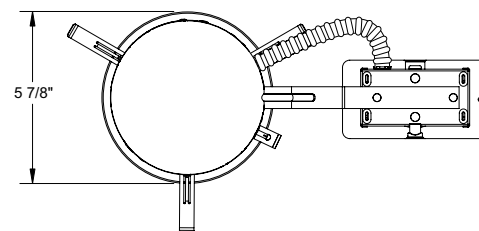
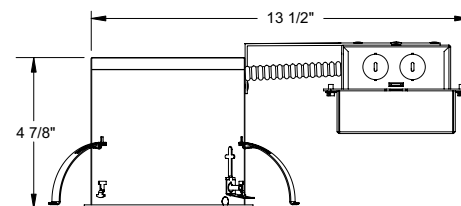
Housing Designed for use in IC (insulated ceiling) or non-IC construction

- Aluminum housing sealed for Air-Loc® compliance when used with ALG kit
- Remodel springs accommodate up to 1 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 Option

120V	
Input Power	11.7W (+/-5%)
Input Current	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-25°C

ELECTRICAL DATA

Universal Voltage

	120V	277V
Input Power	12.5W (+/-5%)	12.6W (+/-5%)
Input Current	0.11A	0.05A
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 120V driver under stable operating conditions.

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IC20RLEDG4 RECESSED HOUSING

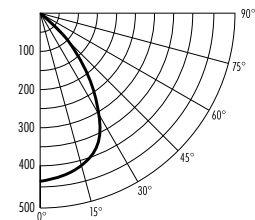
OPEN TRIMS

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

Example: IC20RLEDG4-3K-1			Example: 205W-WH		
Housing	Color Temperature	Input Voltage	Trim/Description		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
IC20RLEDG4	27K 2700K 3K 3000K 35K 3500K 41K 4100K	1 Dedicated 120V Only (Forward Phase + ELV dimmable) U Universal Voltage, 120-277V (0-10V dimmable)	 	205W-WH White Baffle 205B-WH¹ Black Baffle 205B-SC¹ Black Baffle 205B-ABZ¹ Black Baffle	¹ Not ENERGY STAR® Qualified or T24 certified
ACCESSORIES			 	204C-WH Cone in Clear Alzak® 204G-WH Cone in Gold Alzak® 204B-WH¹ Cone in Black Alzak® 204PT-SC Cone in Pewter Alzak® 204W-WH Cone in Gloss White 204HZ-WH Cone in Haze 204WHZ-WH Cone in Wheat Haze 204WHZ-ABZ Cone in Wheat Haze	
Catalog No. Description			Trim Size: 6 1/4" O.D. Trim Finish: ABZ - Classic Aged Bronze, 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.		
LEDOPTICG3-M	Medium Flood Optic (50°)				
LEDOPTICG3-N	Narrow Flood Optic (37°)				
LEDOPTICG3-S	Spot Optic (10°)				
TR5-ABZ	Trim Ring - Classic Age Bronze				
TR5-BL	Trim Ring - Black				
TR5-SC	Trim Ring - Satin Chrome				
TR5-WH	Trim Ring - White				
To order, specify catalog number.					

PHOTOMETRIC REPORT

Test Report #: PT02141404
Catalog No: IC20LEDG4-35K
with 205W-WH Trim
and standard wide flood optic
Luminaire Spacing Criterion: 1.10
Luminaire LPW: 57



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	445
5	442
15	421
25	361
35	241
45	105
55	58
65	34
75	20
85	4
90	0

Multiplier: 27K - 0.89
3K - 0.94
41K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	50	41	34
5.0'	32	26	22
6.0'	22	18	15
7.0'	18	15	12
8.0'	14	12	10
9.0'	11	9	7
10.0'	8	6	5

INITIAL FOOTCANDLES (One Unit, 11.8W, 72° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	27.8	5.8"
6	12.4	8.7"
8	7.0	11.6"
10	4.5	14.5"

ZONAL LUMEN SUMMARY

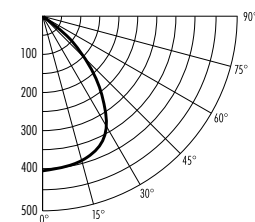
Zone	Lumens	%Lamp	%Fixture
0-30°	325	N/A	48.6
0-40°	473	N/A	70.7
0-60°	610	N/A	91.1
0-90°	669	N/A	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	14013
55	9638
65	7516
75	7291
85	4569

PHOTOMETRIC REPORT

Test Report #: LTL25981R
Catalog No: IC20LEDG4-35K
with 204C-WH Trim
and standard wide flood optic
Luminaire Spacing Criterion: 1.26
Luminaire LPW: 65



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	410
5	407
15	392
25	370
35	303
45	164
55	85
65	39
75	7
85	0
90	0

Multiplier: 27K - 0.89
3K - 0.94
41K - 1.03

AVERAGE INITIAL FOOTCANDLES

Multiple Units (Square Array, 60'x60' room)
Ceiling 80% Wall 50% Floor 20%

Spacing	RCR1	RCR3	RCR5
4.0'	57	46	38
5.0'	36	30	24
6.0'	25	21	17
7.0'	20	17	14
8.0'	16	13	11
9.0'	12	10	8
10.0'	9	7	6

INITIAL FOOTCANDLES (One Unit, 11.8W, 83.8° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	25.6	7.2"
6	11.4	10.8"
8	6.4	14.4"
10	2.8	17.9"

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	320	N/A	42.0
0-40°	505	N/A	66.4
0-60°	711	N/A	93.3
0-90°	762	N/A	100.0

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	22627
55	14361
65	9328
75	2686
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.

