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JUNO®

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1 LEDG3 RECESSED HOUSING OPEN TRIMS



PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine • Double wall, shallow housing construction allows for fit in 2 x 6 construction • Can be completely covered with insulation • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and air cooling costs without the use of additional gaskets • 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, RoHS compliant
- Comparable light output to 65W incandescent while consuming less than 11W*



PRODUCT SPECIFICATIONS

LED Light Engine LED array attached to high purity aluminum, thermally conductive inner housing and heat sink provides superior heat transfer to ensure long life of the LED • Replaceable light engine mounts directly to inner housing assembly 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 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 11W*.

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-DIM
- Mounted inside housing for easy access from below ceiling.

Life Rated for 50,000 hours at 70% lumen maintenance.

Labels ENERGY STAR® Qualified to luminaires V1.1 requirements when used with select trims • Certified to the high efficiency requirements of California T24-2008 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
- Housing is vertically adjustable to accommodate up to a 1 1/2" ceiling thickness.

Junction Box Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire

- UL listed and cUL listed for through-branch wiring, maximum 6 #12 branch circuit conductors
- Junction box provided with removable access plates
- Knockouts equipped with pryout slots
- Quick connect electrical connectors supplied as standard for fast, secure installation.

Mounting Frame 22-gauge die-formed galvanized steel mounting frame

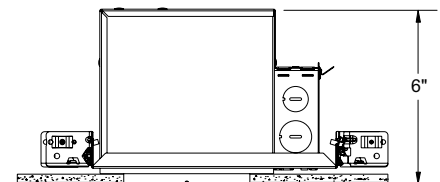
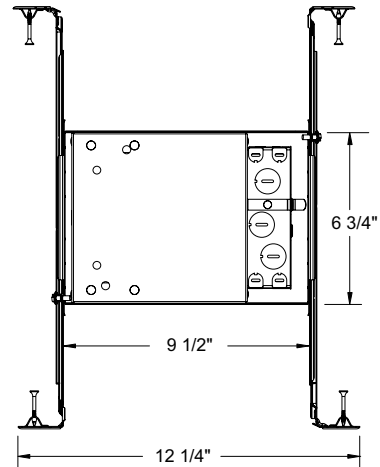
- Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

Real Nail 3 Bar Hangers Telescoping Real Nail 3® system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings

- Includes removable nail for repositioning of fixture in wood joist construction
- Integral T-bar notch and clip for suspended ceilings
- Design covered under Patents US5,505,419 and D552,969.

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

DIMENSIONS



4 1/2" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver Option

120V	
Input Power	10.5W (+/-5%)
Input Current - Max	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (residential)
Minimum starting temp	-20°C

ELECTRICAL DATA

Universal Voltage

	120V	277V
Input Power	12W (+/-5%)	12.3W (+/-5%)
Input Current - Max	0.11A	0.055A
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

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION







IC1LEDG3 RECESSED HOUSING
OPEN TRIMS

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

Example: **IC1LEDG3-3K-1**

Housing	Color Temperature	Input Voltage
IC1LEDG3	27K 2700K 3K 3000K 35K 3500K 41K 4100K	1 Dedicated 120V Only (Forward Phase + ELV dimmable) U Universal Voltage, 120-277V (0-10V dimmable)

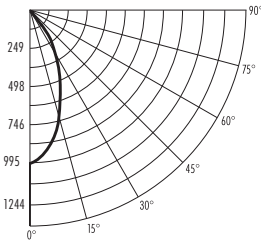
Example: **14W-WH**

Trim/Description	
 13-WH	2" Pinhole with Integral Shield
 14B-WH 14B-SC 14B-ABZ 14B-BL 14W-WH	Black Baffle Black Baffle Black Baffle Black Baffle White Baffle
 17C-WH 17G-WH 17B-WH 17PT-SC 17W-WH 17HZ-WH 17WHZ-WH 17WHZ-ABZ	Cone - Clear Alzak® Cone - Gold Alzak® Cone - Black Alzak® Cone - Pewter Alzak® Cone - Gloss White Cone - Haze Cone - Wheat Haze Cone - Wheat Haze
 4103FROST-WH 4103FROST-SC	Beveled Cylinder
 4104HZ-SC 4104WHZ-ABZ	Beveled Cone - Haze Beveled Cone - Wheat Haze
 4150MESH-SC	Cylinder

Trim Size: 5" 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.

PHOTOMETRIC REPORT

Test Report #: LTL26325R
Catalog No: IC1LEDG3-35K-1
with 14W-WH Trim
Luminaire Spacing Criterion: 0.70
Luminaire LPW: 66



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	995
5	960
15	713
25	410
35	189
45	63
55	26
65	12
75	7
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'	47	40	34
5.0'	30	25	22
6.0'	21	18	15
7.0'	17	14	12
8.0'	13	11	10
9.0'	10	9	7
10.0'	8	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	473	N/A	68.8
0-40°	592	N/A	86.0
0-60°	667	N/A	96.9
0-90°	689	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 10.4W, 43.8° Beam)

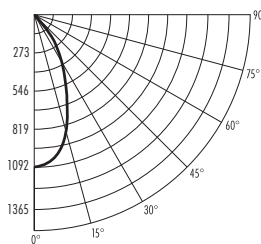
Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	62.2	3.2'
6	27.6	4.8'
8	15.5	6.4'
10	10.0	8.0'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	14372
55	7246
65	4416
75	4605
85	0

PHOTOMETRIC REPORT

Test Report #: LTL26327R
Catalog No: IC1LEDG3-35K-1
with 17C-WH Trim
Luminaire Spacing Criterion: 0.70
Luminaire LPW: 68



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1092
5	1072
15	798
25	448
35	184
45	60
55	18
65	2
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'	49	41	35
5.0'	31	26	22
6.0'	22	18	16
7.0'	18	15	13
8.0'	14	12	10
9.0'	11	9	8
10.0'	8	7	6

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	524	N/A	73.9
0-40°	642	N/A	90.5
0-60°	707	N/A	99.6
0-90°	710	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 10.4W, 43.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	68.3	3.2'
6	30.3	4.8'
8	17.1	6.4'
10	10.9	8.1'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	13551
55	5168
65	779
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.



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