

Juno®

Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION

IC1 LEDG3 RECESSED HOUSING LENSED 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.

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-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, 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 • Housing is vertically adjustable to accommodate up to a 1 1/2" ceiling thickness.

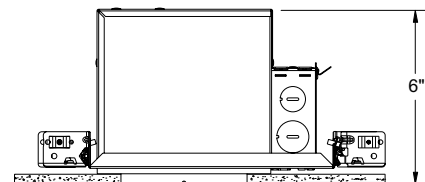
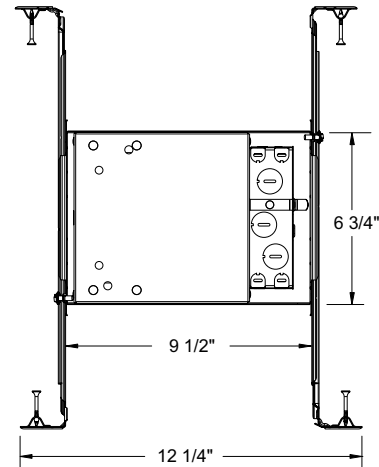
Junction Box Pre-wired junction box provided with (6) 1/2" and (1) 3/4" knockouts, (4) knockouts for 12/2 or 14/2 NM cable and ground wire • UL listed and cUL listed for through-branch wiring, maximum 6 #12 branch circuit conductors • Junction box provided with removable access plates • Knockouts equipped 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 (commercial)	FCC Title 47 CFR, Part 15, Class A (commercial)
Minimum starting temp	-40°C	-40°C

4" IC 600 LUMEN LED DOWNLIGHT NEW CONSTRUCTION





IC1LEDG3 RECESSED HOUSING LENSED 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: **12W-WH**

Trim/Description	
 11-WH Drop Opal	 4101-ABZ 4101-SC 4101-WH Beveled Dome - Shower
 12W-WH 12W-SC 12W-ABZ Shower Trim, frosted perimeter lens	 4102-ABZ 4102-SC 4102-WH Beveled Shower

UL Listed for use in wet location.

Trim Size: 5" O.D.

Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White

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

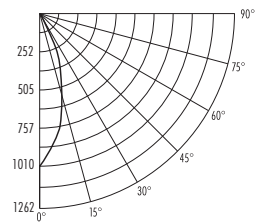
PHOTOMETRIC REPORT

Test Report #: PT08111601R

Catalog No: IC1LEDG3-35K
with 12W-WH Trim

Luminaire Spacing Criterion: 0.58

Luminaire LPW: 58



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	1010
5	930
15	594
25	298
35	136
45	67
55	38
65	24
75	13
85	2
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'	42	35	30
5.0'	27	22	19
6.0'	19	15	13
7.0'	15	13	11
8.0'	12	10	9
9.0'	9	8	7
10.0'	7	6	5

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	389	N/A	64.3
0-40°	477	N/A	78.8
0-60°	566	N/A	93.4
0-90°	606	N/A	100.0

INITIAL FOOTCANDLES

(One Unit, 10.5W, 35.5° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	63.1	2.6'
6	28.1	3.8'
8	15.8	5.1'
10	10.1	6.4'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	15287
55	10541
65	9104
75	7787
85	4205

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.