JUNO®

5" IC LED DOWNLIGHT NEW CONSTRUCTION

IC20LED RECESSED HOUSING

LENSED TRIMS

Project:

Fixture Type:

Location:

Contact/Phone:

PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® sealed new construction housing with integral light engine • 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 • 3 year warranty.

ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- No harmful ultraviolet or infrared wavelengths
- No lead or mercury
- Comparable light output to 65W BR30 incandescent while consuming 14W

EcoLEDgy Driven

PRODUCT SPECIFICATIONS

LED Light Engine Cast aluminum heat sink integrated directly with housing provides superior thermal management to ensure the long life of the LED • Replaceable PC board with quick connector mounts directly to heat sink and incorporates the latest generation of high lumen output LEDs binned to Energy Star standards • 3000K, 3500K, or 4100K color temperatures available.

Optical System Computer-optimized internal reflector with specular 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 applications.

LED Driver Universal voltage driver accommodates input voltages from 120 to 277 volts AC at 60Hz • Power factor > 0.9 at 120V input • Driver has integral thermal protection • Driver is dimmable with the use of Juno qualified 120V electronic low voltage wall box dimmers • 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 through-branch wiring, damp locations • Union made AFL-CIO, UL and cUL, RoHS complaint.

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

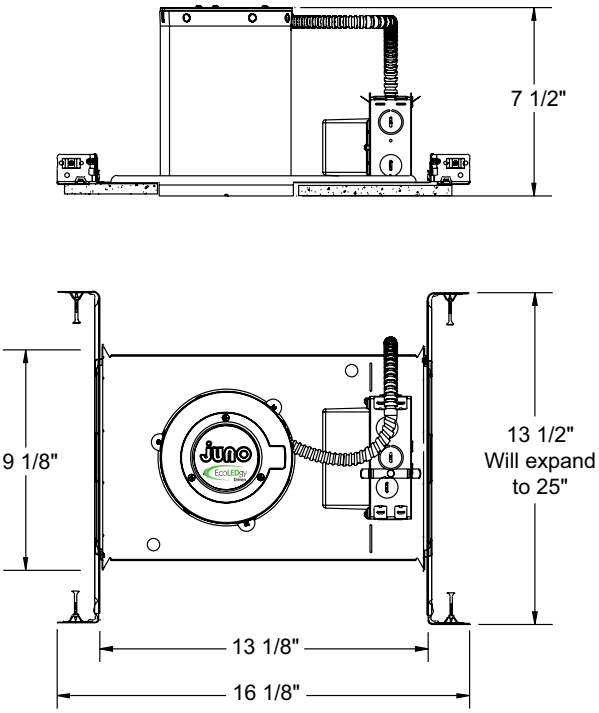
Housing Designed for use in IC (insulated ceiling) or non-IC construction • .032" aluminum housing sealed for Air-Loc compliance • Housing is vertically adjustable to accommodate up to a 1" ceiling thickness.

Junction Box Pre-wired junction box provided with (5) ½" and (1) ¾" knockouts and ground wire, UL listed and cUL listed for through-branch wiring, maximum 8 No. 12 AWG 90° C branch circuit conductors (4 in, 4 out) • Junction box provided with removable access plates • Knockouts equipped with pryout slots • Push-in 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, patent pending 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.

DIMENSIONS



5 5/8" CEILING CUTOUT

ELECTRICAL DATA

	120V	277V
Input Power	14.2W (+/-5%)	15.4W (+/-5%)
Input Current - Max	0.128A	0.069A
Frequency	60Hz	60Hz
EMI/RFI	FCC Title 47 CFR, Part 18, Class B (consumer)	FCC Title 47 CFR, Part 18, Class A (commercial)
Minimum starting temp	-20°C (-4°F)	-20°C (-4°F)

120V APPROVED DIMMERS

Electronic low voltage dimmers require a neutral wire in the wall box.

Lutron®:
Model numbers -
Skylark® SELV-303P
Skylark® SELV-300P
Nova T☆® NTELV-600
Nova T☆® NTELV-300
Diva® DVELV-300P

Leviton®:
Model number -
Acenti® ACE06-1LW
Monet® MNE04-1LW
Vizia+® VPE04-1LZ
Vizia+® VZE04-1LX

Consult technical services or factory for additional dimmers.

Juno Lighting Group by Schneider Electric

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

Example: **IC20LED-3K**

Housing	Color Temperature Options
IC20LED	**3K** 3000K **35K** 3500K **41K** 4100K

Example: **2130W-WH**

Trim/Description

210-WH *
210-SC *
210-ABZ *
Flat Glass Shower Trim

212-WH *
212-SC *
212-ABZ *
Frosted Lens with Clear Center

2130W-WH * White Baffle Regressed Frosted Dome Lens with Reflector

2130B-WH * Black Baffle Regressed Frosted Dome Lens with Reflector

5101-ABZ *
5101-SC *
5101-WH *
Beveled Frame - Frosted Dome Lens with Reflector

UL Listed for use in wet location.

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

Trim Size: 210, 212, 2130 - 6¼" O.D.; 5101 - 6½" O.D.

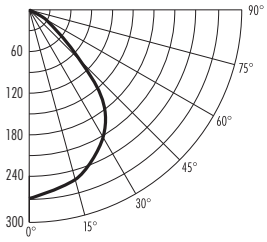
Trim Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White

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

AIR-LOC 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.

PHOTOMETRIC REPORT

Test Report #: LTL14397
Catalog No: IC20LED-35K with 210-WH Trim
Luminaire Spacing Criterion: 1.2
Luminaire LPW: 35.3



CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0°
0	272
5	270
15	254
25	228
35	188
45	106
55	44
65	19
75	9
85	3
90	0

Multiplier: 3K - 0.96
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'	33	29	25
5.0'	21	18	16
6.0'	15	13	11
7.0'	12	10	9
8.0'	9	8	7
9.0'	7	6	5
10.0'	5	5	4

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixture
0-30°	202	N/A	42.7
0-40°	318	N/A	67.2
0-60°	441	N/A	93.2
0-90°	473	N/A	100.0

INITIAL FOOTCANDLES (One Unit, 13.4W , 82.9° Beam)

Distance to Illuminated Plane (Feet)	Footcandles Beam Center	Beam Diameter
4	17.0	4.9'
6	7.6	7.3'
8	4.3	9.8'
10	2.7	12.2'

LUMINANCE (Average cd/m²)

Degrees	Average Luminance
45	17362
55	8890
65	5127
75	4182
85	4280

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.

JUNO LIGHTING GROUP by Schneider Electric

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