

# Juno®

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

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

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

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

## 5" IC LED DOWNLIGHT REMODEL

### IC20RLED RECESSED HOUSING LENSED TRIMS

#### PRODUCT DESCRIPTION

Dedicated LED, Air-Loc® remodel housing with integral light engine

- 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
- 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



#### 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.

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

**Labels** UL listed for damp locations

- Union made AFL-CIO, UL and cUL, RoHS compliant.

**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

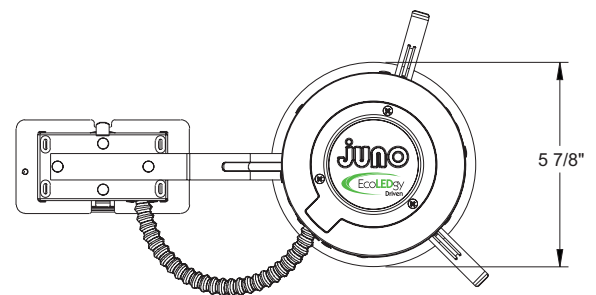
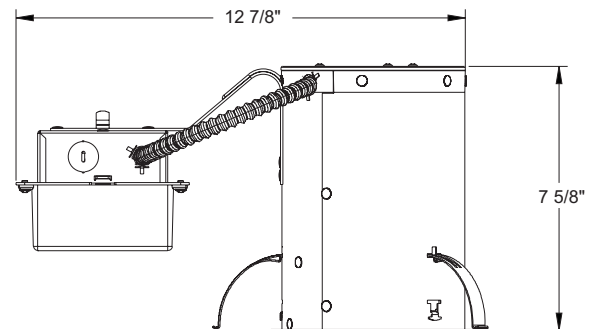
**Housing** Designed for use in IC (insulated ceiling) or non-IC construction

- .032" aluminum housing sealed for Air-Loc compliance
- Remodel springs accommodate up to 1 1/8" ceiling thickness.

**Junction Box** Pre-wired junction box provided with (5) 1/2" knockouts and ground wire, UL listed and cUL listed for daisy chaining

- Knockouts equipped with pryout slots
- Push-in electrical connectors supplied as standard for fast, secure installation.

#### DIMENSIONS



5 1/2" 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® MMNE04-1LW  
 Vizia+® VPE04-1LZ  
 Vizia+® VZE04-1LX


Consult technical services or factory for additional dimmers.

# 5" IC LED DOWNLIGHT REMODEL

## IC20RLED RECESSED HOUSING LENSED TRIMS

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

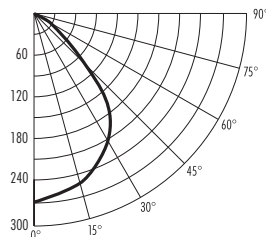
Example: <b>IC20RLED-3K</b>		Example: <b>2130W-WH</b>																																	
<b>Housing</b>	Color Temperature Options	<b>Trim/Description</b>																																	
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UL Listed for use in wet location.  
 \* Do not use reflector shipped with trim for LED housing.  
 Trim Size: 210, 212, 2130 - 6 1/4" O.D.; 5101 - 6 1/2" 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.  
 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: IC20RLED-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.

