



Project: _____

Fixture Type: _____

Location: _____

Contact/Phone: _____

PRODUCT DESCRIPTION

Patent pending dedicated LED, Air-Loc® sealed new construction housing with integral internally adjustable light engine • Double wall, shallow housing construction • Can be completely covered with insulation and installs in 2 x 6 construction • Fully sealed housing stops infiltration and exfiltration of air, reducing heating and cooling costs without the use of additional gaskets • LED housing is designed to provide 50,000 hours of life • 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

PRODUCT SPECIFICATIONS

LED Light Engine LED array attached to cast aluminum sliding heatsink integrated directly with housing 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 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.

Optics Three field interchangeable, TIR optics available in 18°, 30° and 40° beam angles • Module can accommodate one 2-inch diameter beam control lens or filter • Adjustable light engine module provides up to 35° vertical adjustment and 360° rotation.

Aesthetic Trim Selections Adjustable perimeter frosted lensed trim • 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 [JUNOICLED-DIM](#).

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

Labels UL listed for U.S. and Canada for 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 4 #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.

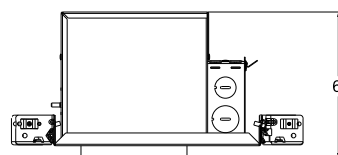
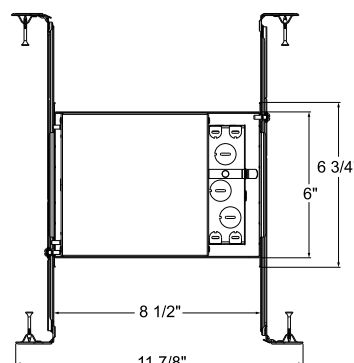
Real Nail 3 Bar Hangers Patented (US Patent D552,969) Real Nail® 3 bar hangers: telescoping system permits quick placement of housing anywhere within 24" O.C. joists or suspended ceilings • Includes removable nail for repositioning of fixture in wood joist construction • Integral T-bar notch and clip for suspended ceilings.

4" IC 700 LUMEN INTERNALLY ADJUSTABLE LED DOWNLIGHT NEW CONSTRUCTION

IC4AL RECESSED HOUSING
LENSED TRIMS



DIMENSIONS



4 1/2" CEILING CUTOUT

ELECTRICAL DATA

Dedicated 120V Only Driver Option (-1) 120V

Input Power	10.5W (+/-5%)
Input Current	0.10A
Frequency	50/60Hz
EMI/RFI	FCC Title 47 CFR, Part 15, Class B (Residential)
Minimum starting temp	-25°C (-13°F)

Universal Voltage Driver (-U)

	120V	277V
Input Power	10.0W (+/-5%)	10.0W (+/-5%)
Input Current	0.09A	0.04A
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	-20°C (-4°F)	-20°C (-4°F)

Lutron Hi-Lume® LED Driver (-L)

	120V	277V
Input Power	11.1W (+/-5%)	11.3W (+/-5%)
Input Current	0.10A	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	0°C (32°F)	0°C (32°F)

4" IC 700 LUMEN INTERNALLY ADJUSTABLE LED DOWNLIGHT NEW CONSTRUCTION


IC4AL RECESSED HOUSING

LENSED TRIMS

ORDERING INFORMATION: Housing and trim each ordered separately.Example: **IC4AL-3K-F-1**

Series	Color Temperature	Beam Optics	Input Voltage
IC4AL	27K 2700K 3K 3000K 35K 3500K 41K 4100K	S 18° Spot N 30° Narrow Flood F 40° Flood	1 Dedicated 120V Only (Forward Phase + ELV Dimmable) U Universal Voltage 120-277V (0-10V Dimmable) L Lutron Hi-Lume® 3-Wire Dimming EcoSystem Compatible

Example: **41L-WH**

	Trim/Description
	41L-ABZ Frosted Perimeter Lens 41L-SC 41L-WH

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.

ACCESSORIES

Catalog No.	Description
T741	Med. Pink Color Filter
T742	Warm Red Color Filter
T743	Daylight Blue Color Filter
T744	Med. Blue Color Filter
T745	Med. Amber Color Filter
T746	Med. Green Color Filter
T7401	Red Dichroic Lens
T7403	Med. Green Dichroic Lens
T7404	Med. Blue Dichroic Lens
T7405	Yellow Dichroic Lens
T7406	Magenta Dichroic Lens
T7411	Blue Green Dichroic Lens
T7416	Daylight Blue Correction Lens
T7420	Diffuse Spread Lens
T7422	UV Filter Lens
T7459BL	Hexcell Louver
T7478	Linear Spread Lens
T7477	Prismatic Lens
TIR-2-SP	18° Spot Optic
TIR-2-NFL	30° Narrow Flood Optic
TIR-2-FL	40° Flood Optic

4" IC 700 LUMEN INTERNALLY ADJUSTABLE LED DOWNLIGHT NEW CONSTRUCTION IC4AL RECESSED HOUSING LENSED TRIMS

PHOTOMETRIC REPORT

Test Report: PT09153003R

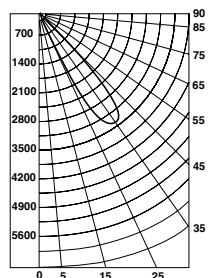
Catalog No: IC4AL-35K-S-1

with 41L-WH
and Spot Optic

Watts: 10.5

Lumens: 630

Luminaire LPW: 60

**Candlepower Distribution**

(Candelas)

Degrees

Vertical Candela

0° 105

5° 142

10° 201

15° 336

20° 615

25° 1289

30° 2516

35° 3442

40° 2790

45° 1515

50° 671

55° 236

60° 111

65° 63

70° 40

75° 24

80° 11

85° 3

90° 0

PHOTOMETRIC REPORT

Test Report: PT09152923R

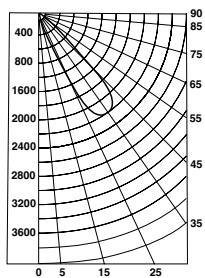
Catalog No: IC4AL-35K-N-1

with 41L-WH and
Narrow Flood Optic

Watts: 10.5

Lumens: 644

Luminaire LPW: 61

**Candlepower Distribution**

(Candelas)

Degrees

Vertical Candela

0° 100

5° 136

10° 173

15° 347

20° 897

25° 1640

30° 2105

35° 2251

40° 2067

45° 1612

50° 957

55° 303

60° 111

65° 69

70° 39

75° 20

80° 9

85° 2

90° 0

PHOTOMETRIC REPORT

Test Report: PT09152903R

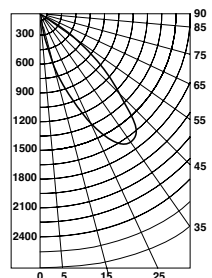
Catalog No: IC4AL-35K-F-1

with 41L-WH
and Flood Optic

Watts: 10.5

Lumens: 695

Luminaire LPW: 66

**Candlepower Distribution**

(Candelas)

Degrees

Vertical Candela

0° 103

5° 189

10° 362

15° 614

20° 951

25° 1324

30° 1592

35° 1712

40° 1654

45° 1275

50° 823

55° 459

60° 301

65° 167

70° 70

75° 21

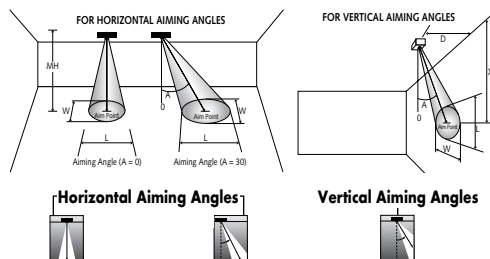
80° 7

85° 0

90° 0

CBCP • Centerbeam candlepower
FC • Footcandles at beam center (aim point)

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).



FIXTURE	Beam Type	Beam Spread°	CBCP	0°				30°				30°				
				MH	FC	L	W	FC	L	W	D	FC	X	L	W	
IC4AL LED, 3500K Spot	S	18°	3442	4	215	1.3	1.3	140	1.7	1.5	2	108	3.5	2.7	1.3	
				6	96	1.9	1.9	62	2.6	2.2	3	48	5.2	4.1	1.9	
				8	54	2.5	2.5	35	3.4	2.9	4	27	6.9	5.5	2.5	
				10	34	3.2	3.2	22	4.3	3.7	5	17	8.7	6.9	3.2	
				12	24	3.8	3.8	16	5.1	4.4	6	12	10.4	8.2	3.8	
IC4AL LED, 3500K Narrow Flood	N	30°	2251	4	141	2.1	2.1	91	2.9	2.5	2	70	3.5	5.5	2.1	
				6	63	3.2	3.2	41	4.4	3.7	3	31	5.2	8.2	3.2	
				8	35	4.3	4.3	23	5.9	5.0	4	18	6.9	10.9	4.3	
				10	23	5.4	5.4	15	7.3	6.2	5	11	8.7	13.7	5.4	
				12	16	6.4	6.4	10	8.8	7.4	6	8	10.4	16.4	6.4	
IC4AL LED, 3500K Flood	F	40°	1712	4	107	2.9	2.9	69	4.1	3.4	2	54	3.5	9.7	2.9	
				6	48	4.4	4.4	31	6.1	5.0	3	24	5.2	14.5	4.4	
				8	27	5.8	5.8	17	8.1	6.7	4	13	6.9	19.3	5.8	
				10	17	7.3	7.3	11	10.2	8.4	5	9	8.7	24.2	7.3	
				12	12	8.7	8.7	8	12.2	10.1	6	6	10.4	29.0	8.7	

Multipliers: 27K - 0.93
3K - 0.96
35K - 1.00
41K - 1.03



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