



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 slot aperture features a white trim ring • 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 [JUNOICLED-DIM](#).

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

**Labels** UL listed for U.S. and Canada for 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 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.

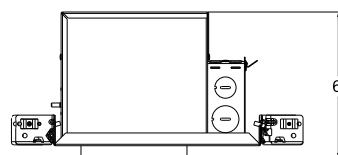
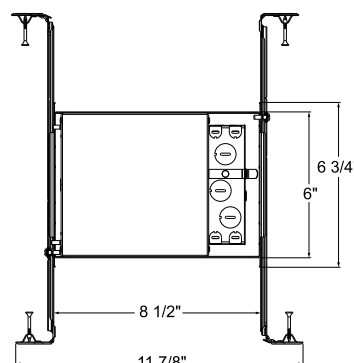
**Mounting Frame** 22-gauge die-formed galvanized steel mounting frame • Rough-in section (junction box, mounting frame, housing and bar hangers) fully assembled for ease of installation.

**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 SLOT ADJUSTABLE 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  
SLOT ADJUSTABLE TRIMS

## ORDERING INFORMATION: Housing and trim each ordered separately.

Example: **IC4AL-3K-F-1**

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

Example: **45L-WH**

Trim/Description
 <b>45L-WH</b> Slot Aperture Downlight or Adjustable

Trim Size: 5" O.D.

Trim Finish: WH - White.

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

## ACCESSORIES

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

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

**PHOTOMETRIC REPORT**

Test Report: PT09153005R

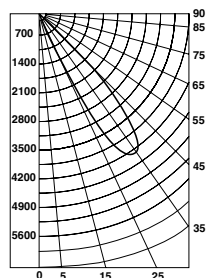
Catalog No: IC4AL-35K-S-1

with 45L-WH  
and Spot Optic

Watts: 10.5

Lumens: 634

Luminaire LPW: 60

**Candlepower Distribution**

(Candelas)

Degrees

Vertical Candela

0° 44

5° 59

10° 136

15° 400

20° 832

25° 1660

30° 3163

35° 4310

40° 3368

45° 1728

50° 835

55° 481

60° 106

65° 36

70° 14

75° 5

80° 0

85° 0

90° 0

**PHOTOMETRIC REPORT**

Test Report: PT09152925R

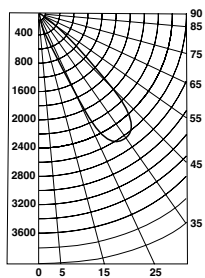
Catalog No: IC4AL-35K-N-1

with 45L-WH and  
Narrow Flood Optic

Watts: 10.5

Lumens: 648

Luminaire LPW: 62

**Candlepower Distribution**

(Candelas)

Degrees

Vertical Candela

0° 51

5° 71

10° 106

15° 356

20° 1068

25° 1871

30° 2346

35° 2500

40° 2329

45° 1858

50° 1164

55° 554

60° 160

65° 65

70° 29

75° 10

80° 1

85° 0

90° 0

**PHOTOMETRIC REPORT**

Test Report: PT09152905R

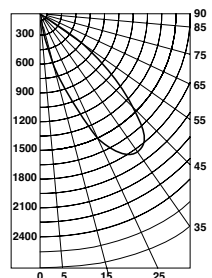
Catalog No: IC4AL-35K-F-1

with 45L-WH  
and Flood Optic

Watts: 10.5

Lumens: 709

Luminaire LPW: 68

**Candlepower Distribution**

(Candelas)

Degrees

Vertical Candela

0° 97

5° 189

10° 364

15° 690

20° 1121

25° 1501

30° 1759

35° 1831

40° 1714

45° 1445

50° 1069

55° 670

60° 309

65° 156

70° 62

75° 15

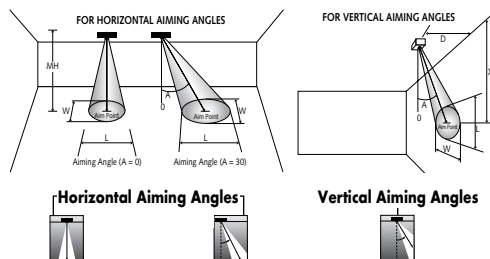
80° 0

85° 0

90° 0

**CB**CP • 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°	4310	4	269	1.3	1.3	175	1.7	1.5	2	135	3.5	2.7	1.3	
				6	120	1.9	1.9	78	2.6	2.2	3	60	5.2	4.1	1.9	
				8	67	2.5	2.5	44	3.4	2.9	4	34	6.9	5.5	2.5	
				10	43	3.2	3.2	28	4.3	3.7	5	22	8.7	6.9	3.2	
				12	30	3.8	3.8	19	5.1	4.4	6	15	10.4	8.2	3.8	
IC4AL LED, 3500K Narrow Flood	N	30°	2499	4	156	2.1	2.1	101	2.9	2.5	2	78	3.5	5.5	2.1	
				6	69	3.2	3.2	45	4.4	3.7	3	35	5.2	8.2	3.2	
				8	39	4.3	4.3	25	5.9	5.0	4	20	6.9	10.9	4.3	
				10	25	5.4	5.4	16	7.3	6.2	5	12	8.7	13.7	5.4	
				12	17	6.4	6.4	11	8.8	7.4	6	9	10.4	16.4	6.4	
IC4AL LED, 3500K Flood	F	40°	1831	4	114	2.9	2.9	74	4.1	3.4	2	57	3.5	9.7	2.9	
				6	51	4.4	4.4	33	6.1	5.0	3	25	5.2	14.5	4.4	
				8	29	5.8	5.8	19	8.1	6.7	4	14	6.9	19.3	5.8	
				10	18	7.3	7.3	12	10.2	8.4	5	9	8.7	24.2	7.3	
				12	13	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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