



LED RECESSED ADJUSTABLE

3-1/4" BAFFLED
ANGLE CUT APERTURE

IC Rated, 700 LUMEN

IC43L-435N, IC943L-435N

PRODUCT DESCRIPTION

Recessed adjustable 13W LED luminaire with 3 1/4" angle cut baffle produces up to 700 fixture lumens and approximates the performance of a 50W MR16 lamp. Fixture has 50° visual cutoff and features precision geared hot-aiming. Sealed Air-Loc® housing ensures maximum energy savings and controls plenum sound transmission. Low profile IC rated housing for use in insulated or non-insulated areas.

PRODUCT SPECIFICATIONS

LED Light Engine Consistent fixture to fixture color consistency within 3-step MacAdam ellipse • 2700K, 3000K, 3500K, or 4000K color temperatures are available with 85 CRI typical • 3000K also available with 93 CRI typical and R9 >80.

Modular Optics Available with 12° Spot, 24° Narrow Flood, or 35° Flood field interchangeable optics • 50° distribution is available when AF3-50DEG accessory lens is used with 12° Spot optic • Patented (US Patent 8,950,911) auto-adjusting optic holder maximizes luminaire efficiency by maintaining optimal LED optic position • Accommodates up to three (3) additional beam control lenses and/or filters.

Adjustability Acu-Aim™ precision geared hot-aiming achieves 370° rotation, 45° tilt • Optimized center beam optics translates light engine forward as it is aimed off nadir, ensuring maximum light and low brightness • Black aiming mechanism preserves dark aperture.

Baffle Angle-cut grooved baffle available in white or black provides 50° cut-off.

Trims Style Utilizes torsion spring retention for tight, secure fit to ceiling • Trim ring features beveled knife edge for clean ceiling interface.

LED Driver Choice of four drivers to accommodate voltages from 120-277 volts AC • Dedicated 120V (-I) driver is dimmable with most incandescent, magnetic low voltage, and electronic low voltage dimmers • Universal Voltage (-U) driver is dimmable with most 0-10V protocol dimmers • Lutron Hi-Lume® A Series 3-wire (-L) driver is dimmable with 3-wire fluorescent controls and compatible with EcoSystem® • Lutron Hi-Lume® A Series 2-wire (-D) driver is dimmable with 2-wire forward phase dimmers containing a neutral wire • For a list of compatible dimmers, refer to [ACLXLED-DIM](#) • Power Factor > 0.9 • Field replaceable from below or above ceiling.

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

Warranty 5 years from date of purchase on LED components • Standard Juno Lighting Group product guarantee terms and conditions apply.

Codes/Labels UL and cUL listed for through branch wiring, damp locations • Meets energy code Air Leakage requirements per ASTM E283 • IC rated for direct contact with insulation, including spray foam insulation with R-Value of 3.7 per inch or less • Union made.

Mounting IC43L features Patented (US Patent 8,038,113) Pro-VIT™ Bar Hanger System with locking set screws, permitting quick placement of housing within 24" O.C. joists or suspended ceilings • Robust bar eliminates flexing regardless of fixture position • Integral T-bar notch with locking tabs secures housing to suspended ceiling grid • Captive bugle-headed ring shank nail for quick one-step installation • Bar Hanger foot aligns to bottom of construction joist and breaks away for use in suspended ceilings.

IC943L is equipped with vertically adjustable mounting brackets that accept 1/2" conduit, "C" channels (HB-26 or HB-50), linear flat bars (LB-27) or 26" telescoping Real Nail bar hangers (HB-1).

Junction Box Rated for 4 No. 12 AWG 90° C through branch circuit conductors and includes (6) 1/2", (1) 3/4", and (4) Non-metallic sheathed cable knock-outs • Push-in electrical connectors for field connections.

Housing/Mounting Frame Black steel plaster frame and housing painted for visually dark interior • V-Notch in plaster frame and Patented (US Patent 8,277,090) Tru-Line™ Platform featuring +/- 1/2" translation aids fixture alignment after installation, prior to drywall.

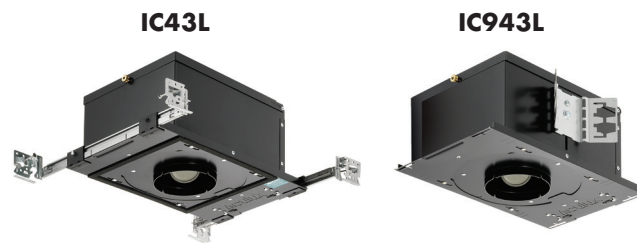
Ceiling Thickness 1/2" - 7/8" ceiling standard • For thicker ceilings, order CTA4N-125 (7/8"-1 1/4"), CTA4N-163 (1 1/4"-1 5/8") or CTA4N-200 (1 5/8" - 2").

Project: _____

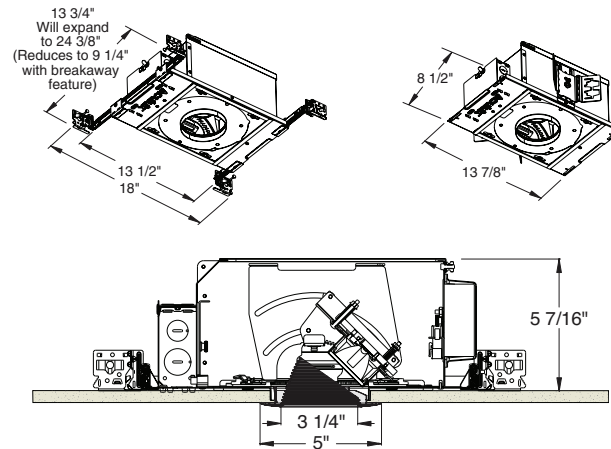
Fixture Type: _____

Location: _____

Contact/Phone: _____



DIMENSIONS



4 1/4" CEILING CUTOUT

ELECTRICAL DATA

Driver Option	Dedicated 120V (-I)	Universal Voltage (-U)		Lutron 3-wire (-L)	Lutron 2-wire (-D)
Voltage	120	120	277	120	277
Input Power	12.8	13.7	14.1	12.6	13.6
Input Current	0.10	0.11	0.05	0.10	0.05
Frequency	50/60Hz	50/60Hz		50/60Hz	50/60Hz
Power Factor	0.99	0.99	0.90	0.99	0.94

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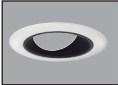
IC43L-435N, IC943L-435N

Ordering Information Housing, trim and accessories each ordered separately

Example: **IC43L-830-N-1**

Housings	CRI/Color Temperature	Beam Optics	Drivers	Options
IC43L	827 2700K, 85CRI	S 12° Spot	I 120V, Forward & Reverse Phase Dimming	CP Chicago Plenum
IC943L	830 3000K, 85CRI	N 24° Narrow Flood		
	835 3500K, 85CRI	F 35° Flood	U 120-277V, 0-10V Dimming	
	840 4000K, 85CRI		L 120-277V, Lutron Hi-Lume 3-wire Dimming, Ecosystem Compatible	
	930 3000K, 93CRI		D 120V, Lutron Hi-Lume 2-wire Dimming	

Example: **435NB-WH**

Trim/Description	
	
Trim Ring	Description
435NB-WH	Black Baffle, White Ring
435NB-ABZ	Black Baffle, Aged Bronze Ring
435NB-SC	Black Baffle, Satin Chrome Ring
435NW-WH	White Baffle, White Ring

Trim Ring Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White.
 Product specifications subject to change without notice.

Optical Accessories

Cat. #	Description	Cat. #	Description
TIR-1-5P	12° Spot Optic	T7403	Med. Green Dichroic Lens
TIR-1-NFL	24° Narrow Flood Optic	T7404	Med. Blue Dichroic Lens
TIR-1-FL	35° Flood Optic	T7405	Yellow Dichroic Lens
AF3-50DEG	50° Optic Film (Use with 12° Optic)	T7406	Magenta Dichroic Lens
T741	Med. Pink Color Filter	T7411	Blue Green Dichroic Lens
T742	Warm Red Color Filter	T7416	Daylight Blue Correction Lens
T743	Daylight Blue Color Filter	T7420	Diffuse Spread Lens
T744	Med. Blue Color Filter	T7422	UV Filter Lens
T745	Med. Amber Color Filter	T7477	Prismatic Lens
T746	Med. Green Color Filter	T7478	Linear Spread Lens
T7401	Red Dichroic Lens	T7459BL	Hexcell Louver

Misc. Accessories

Cat. #	Description
CTA4N-125	1 1/4" Thick Ceiling Adapter
CTA4N-163	1 5/8" Thick Ceiling Adapter
CTA4N-200	2" Thick Ceiling Adapter
HB-1	(2) Real Nail 3 Bar Hangers
HB-26	(2) 26" C-Channel Bar Hangers
HB-50	(2) 50" C-Channel Bar Hangers
LB-27	(2) 27" Linear Bar Hangers
EMI-20	20W Emergency Lighting Inverter

To order, specify catalog number.



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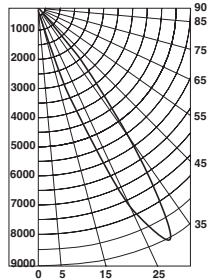
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PHOTOMETRIC REPORT

Test Report: PT05121809
 Catalog No: IC43L-830-S-1 (Aim at 30°)
 with 435NW-WH trim

Watts: 12.8
 Lumens: 711
 Luminaire LPW: 55.5



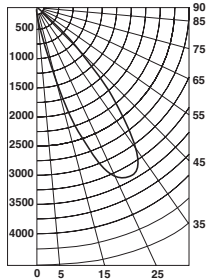
Candlepower Distribution

Vertical Degrees	Candela
0°	26
5°	63
10°	173
15°	834
20°	3411
25°	7803
30°	9094
35°	5579
40°	297
45°	74.6
50°	16.8
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

PHOTOMETRIC REPORT

Test Report: PT05122102
 Catalog No: IC43L-830-N-1 (Aim at 30°)
 with 435NW-WH trim

Watts: 12.9
 Lumens: 722
 Luminaire LPW: 56.0



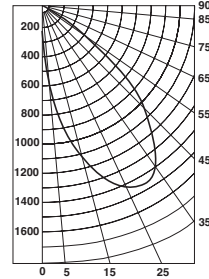
Candlepower Distribution

Vertical Degrees	Candela
0°	81
5°	177
10°	437
15°	1422
20°	2711
25°	3340
30°	3409
35°	3037
40°	2279
45°	1201
50°	302
55°	51
60°	24
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0

PHOTOMETRIC REPORT

Test Report: PT05121806
 Catalog No: IC43L-830-F-1 (Aim at 30°)
 with 435NW-WH trim

Watts: 12.9
 Lumens: 712
 Luminaire LPW: 55.2

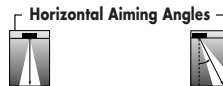
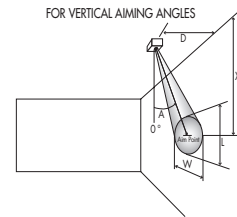
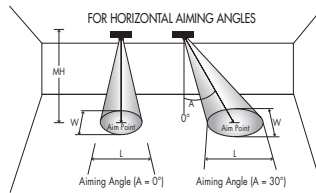


Candlepower Distribution

Vertical Degrees	Candela
0°	230
5°	565
10°	850
15°	1150
20°	1378
25°	1466
30°	1488
35°	1443
40°	1348
45°	1106
50°	779
55°	440
60°	200
65°	3
70°	0
75°	0
80°	0
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°).



LED	Beam Type	Beam Spread°	Rated Life	CBCP	0°			30°			30°			40°						
					MH	FC	L W	FC	L W	D	FC	X	L W	FC	X	L W				
3000K, 85 CRI	SP	12°	50,000	9586	6	266	1.3	1.3	173	1.7	1.5	3	133	5.2	2.6	1.3	283	3.6	1.6	1.0
					8	150	1.7	1.7	97	2.3	1.9	4	75	6.9	3.5	1.7	159	4.8	2.1	1.3
					10	96	2.1	2.1	62	2.8	2.4	5	48	8.7	4.3	2.1	102	6.0	2.6	1.6
					12	67	2.5	2.5	43	3.4	2.9	6	33	10.4	5.2	2.5	71	7.2	3.1	2.0
	NFL	24°	50,000	4338	4	271	1.7	1.7	176	2.3	2.0	2	136	3.5	3.9	1.7	288	2.4	2.2	1.3
					6	121	2.6	2.6	78	3.5	2.9	3	60	5.2	5.9	2.6	128	3.6	3.3	2.0
					8	68	3.4	3.4	44	4.6	3.9	4	34	6.9	7.9	3.4	72	4.8	4.4	2.6
					10	43	4.3	4.3	28	5.8	4.9	5	22	8.7	9.8	4.3	46	6.0	5.5	3.3
	FL	35°	50,000	1678	4	105	2.5	2.5	68	3.5	2.9	2	52	3.5	7.2	2.5	111	2.4	3.6	2.0
					6	47	3.8	3.8	30	5.2	4.4	3	23	5.2	10.8	3.8	50	3.6	5.3	2.9
					8	26	5.0	5.0	17	7.0	5.8	4	13	6.9	14.4	5.0	28	4.8	7.1	3.9
					10	17	6.3	6.3	11	8.7	7.3	5	8	8.7	18.0	5.0	18	6.0	8.9	4.9
				12	12	7.6	7.6	8	10.4	8.7	6	6	10.4	21.6	7.6	12	7.2	10.7	5.9	

Multipliers: 827 - 0.92
 930 - 0.92
 835 - 1.01
 840 - 1.02

