



# LED RECESSED WALL WASH

## 3-1/4" LENSED WALL WASH



IC Rated, 700 LUMEN

### IC43L-439N, IC943L-439N

### PRODUCT DESCRIPTION

Recessed lensed wall wash 13W LED luminaire produces up to 550 fixture lumens and approximates the performance of a 50W MR16 lamp. Fixture has 50° visual cutoff and features precision geared ho-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 • Patent pending 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.

**Reflector** .040" aluminum angle-cut reflector provides 50° lamp and lamp image cut-off • Specular clear kicker reflector directs light toward wall surface • Reflector finishes include White Paint and Clear, Gold, Black, Haze or Wheat Haze Alzak.

**Trims Style** Trim Ring, Self Flanged and Flush Mount reflectors utilize torsion spring retention for tight, secure fit to ceiling • Trim ring features beveled knife edge for clean ceiling interface • Self Flanged reflectors with polished or optional white painted flange • For flush mount installations in drywall ceilings use the FMA4 flush mount adapter • For flush mount installations in wood, stone, or tile ceilings the FMA4-SC\*\*\* must be used (specify ceiling thickness and adapter finish).

**LED Driver** Choice of four drivers to accommodate voltages from 120-277 volts AC • Dedicated 120V (-1) 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, wet locations • Meets energy code Air Leakage requirements per ASTM E283 • Union made.

**Mounting** IC43L features Patented (US Patent 8,038,113) Pro-VI™ 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.

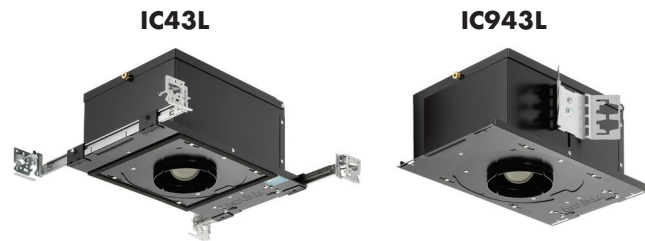
**Ceiling Thickness** 1/2" - 7/8" ceiling standard • For thicker ceilings, order CTA4N-125 (7/8"-1 1/4"), CTA4N-163 (1 1/4"-1 5/8") or CTA4N-200 (1 5/8"-2") • CTA4N not required for wood, stone, or tile flush mount applications.

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

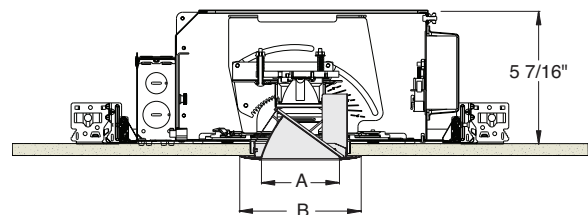
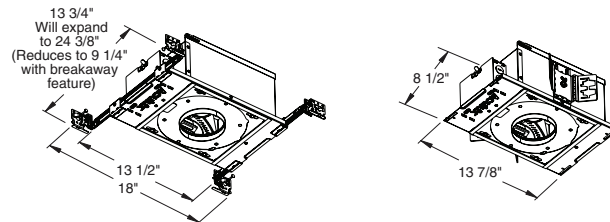
Fixture Type: \_\_\_\_\_

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

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



### DIMENSIONS



4 1/4" CEILING CUTOUT  
(REFER TO INSTRUCTION SHEET FOR FLUSH MOUNT CEILING CUTOUT)

	A	B
Trim Ring	3 1/4"	5"
Self Flanged	3 3/8"	4 5/8"
Flush Mount	3 3/8"	3 7/8"

### ELECTRICAL DATA

Driver Option	Dedicated 120V (-1)	Universal Voltage (-U)		Lutron 3-wire (-L)		Lutron 2-wire (-D)
Voltage	120	120	277	120	277	120
Input Power	12.8	13.7	14.1	12.6	13.6	13.5
Input Current	0.10	0.11	0.05	0.10	0.05	0.11
Frequency	50/60Hz	50/60Hz		50/60Hz		50/60Hz
Power Factor	0.99	0.99	0.90	0.99	0.94	0.98

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**Ordering Information** Housing, trim and accessories each ordered separately

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

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

Example: **439NC-WH**

Trim/Description			
Trim Ring <sup>1</sup>	Self Flanged <sup>2</sup>	Flush Mount <sup>3</sup>	Description
			
<b>439NB-WH</b>	<b>439NB-SF</b>	<b>439NB-FM</b>	Black Haze Reflector
<b>439NC-WH</b>	<b>439NC-SF</b>	<b>439NC-FM</b>	Clear Reflector
<b>439NG-WH</b>	<b>439NG-SF</b>	<b>439NG-FM</b>	Gold Reflector
<b>439NW-WH</b>	<b>439NW-SF</b>	<b>439NW-FM</b>	White Painted Reflector
<b>439NHZ-SC</b>	-	-	Haze Reflector
<b>439NHZ-WH</b>	<b>439NHZ-SF</b>	<b>439NHZ-FM</b>	Haze Reflector, White Ring
<b>439NWHZ-ABZ</b>	-	-	Wheat Haze Reflector
<b>439NWHZ-WH</b>	<b>439NWHZ-SF</b>	<b>439NWHZ-FM</b>	Wheat Haze Reflector, White Ring

<sup>1</sup>Trim Ring Finish: ABZ - Classic Aged Bronze, SC - Satin Chrome, WH - White.  
<sup>2</sup>For self flanged reflector with optional white painted flange, replace "SF" suffix with "-SFWH".  
<sup>3</sup>Flush Mount trims must be used with Flush Mount Adapter, ordered separately.  
 Product specifications subject to change without notice.

**Flush Mount Adapters**

Cat. #	Description
<b>FMA4</b>	Drywall Ceiling Adapter
<b>FMA4-SC087-WH</b>	Wood, Stone, Tile, 1/2"-7/8" Thick Ceiling, Adapter, White
<b>FMA4-SC087-BL</b>	Wood, Stone, Tile, 1/2"-7/8" Thick Ceiling, Adapter, Black
<b>FMA4-SC125-WH</b>	Wood, Stone, Tile, 7/8"-1 1/4" Thick Ceiling, Adapter, White
<b>FMA4-SC125-BL</b>	Wood, Stone, Tile, 7/8"-1 1/4" Thick Ceiling, Adapter, Black
<b>FMA4-SC163-WH</b>	Wood, Stone, Tile, 1 1/4"-1 5/8" Thick Ceiling, Adapter, White
<b>FMA4-SC163-BL</b>	Wood, Stone, Tile, 1 1/4"-1 5/8" Thick Ceiling, Adapter, Black

**Optical Accessories**

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

**Misc. Accessories**

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

To order, specify catalog number.



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## PHOTOMETRIC REPORT

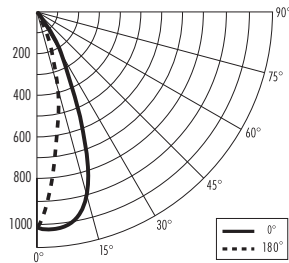
Test Report #: PT06120401

Catalog No: IC43L-830-N-1

with 439NC-WH Trim

Luminaire Spacing Criterion @ 90°: 0.60

Luminaire: 3-1/4" IC LED Downlight with Clear Alzak®, Lensed Angle Cut Wall Wash Trim



## CANDLEPOWER DISTRIBUTION (Candelas)

Degrees Vertical	0° Wall Wash	180° Downlight
0	1067	1067
5	1149	804
10	1075	573
15	912	400
20	678	271
25	449	182
30	296	121
35	180	79
40	93	46
45	53	20
50	30	2
55	19	0
60	12	0
65	8	0
70	7	0
75	5	0
80	0	0
85	0	0
90	0	0

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0-30°	425	75.6
0-40°	516	91.6
0-60°	559	99.4
0-90°	563	100.0
90-180°	0	0.0
0-180°	563	100.0

## LUMINANCE (Average cd/m²)

Degrees	Average 180° Downlight Luminance
45	5336
55	0
65	0
75	0
85	0

## FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES

Fixture Distance to Wall	18"			24"		
	18"	24"	18"	24"		
1'	7 6 7	6 4 6	4 4 4	3 3 3		
2'	20 18 20	16 12 16	8 8 8	6 6 6		
3'	27 27 27	21 20 21	16 16 16	13 12 13		
4'	25 25 25	20 19 20	19 20 19	15 15 15		
5'	20 20 20	16 16 16	18 19 18	15 15 15		
6'	15 15 15	12 12 12	15 15 15	13 13 13		
7'	11 11 11	9 9 9	12 12 12	11 11 11		
8'	9 9 9	7 7 7	10 10 10	8 8 8		
9'	7 7 7	6 6 6	8 8 8	7 7 7		

DISTANCE FROM CEILING

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

