



## PRODUCT DESCRIPTION

Recessed lensed wall wash 13W LED remodel luminaire produces up to 550 fixture lumens and approximates the performance of a 50W MR16 lamp. Fixture has 50° visual cutoff. Low profile non-IC rated housing for use in non-insulated areas or where insulation is spaced at least 3" from housing. Installs quickly and securely with patented (US Patent 7,191,993) push-pull cable system through ceiling opening.

## PRODUCT SPECIFICATIONS

**LED Light Engine** Replaceable LED array with connector mounts directly to high purity aluminum heat sink to provide superior thermal management • 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 in three (3) factory-configured beam spreads, the optics are field interchangeable if other beam spreads are required after fixture installation • 12° Spot, 24° Narrow Flood, and 35° Flood optics available • Patent pending auto-adjusting optic holder maximizes luminaire efficiency by maintaining optimal LED optic position and accommodates up to two (2) additional beam control lenses and/or filters.

**Adjustability** 370° rotation, 35° tilt hot aiming with locking • Optimized optics translates light engine forward as it is aimed off nadir, ensuring maximum light and low brightness • Black aiming mechanism preserves dark aperture.

**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 and Self Flanged 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.

**LED Driver** Choice of three 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 A Series (-L) driver is 3-wire dimmable and compatible with EcoSystem® • 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, wet locations • Union made.

**Patented (US Patent 7,191,993) "Push-Pull" Cable System** Allows rapid installation without tools or loose parts • Housing accommodates ceiling thickness from 3/8" to 2" without altering photometrics • Fits 2 x 6 construction.

**Junction Box** Includes (5) 1/2" and (4) Non-metallic sheathed cable knock-outs • Push-in electrical connectors for field connections.

**Housing/Mounting Frame** Galvanized steel plaster frame • Housing anodized black for visually dark interior • Packaged for ease of rapid installation.

# LED REMODEL WALL WASH

## 3-1/4" LENSED WALL WASH



Non-IC Rated, 13W LED

## TC43LR-439N

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

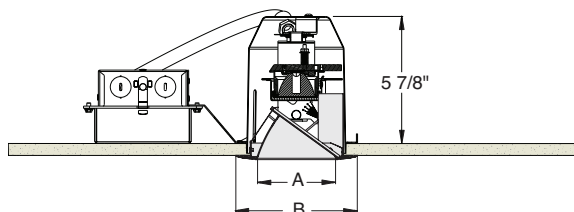
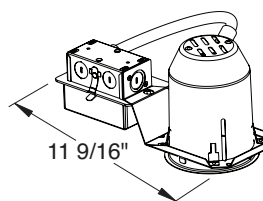
Fixture Type: \_\_\_\_\_

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

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



## DIMENSIONS



4 3/8" CEILING CUTOUT\*

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

## ELECTRICAL DATA

Driver Option	Dedicated 120V (-I)	Universal Voltage (-U)		Lutron A Series (-L)	
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	
Power Factor	0.99	0.99	0.90	0.99	0.94

\*For best results, a hole saw is recommended.

# LED REMODEL WALL WASH

## 3-1/4" LENSED WALL WASH

### Non-IC Rated, 13W LED

## TC43LR-439N

#### Ordering Information

Housing, trim and accessories each ordered separately

Example: **TC43LR-830-N-1**

Housing	CRI/Color Temperature	Beam Optics	Drivers
TC43LR	827 2700K, 85CRI	S 12° Spot	1 120V, Forward & Reverse Phase Dimming
	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 3-wire Dimming, Ecosystem Compatible
	930 3000K, 93CRI		

#### Accessories

Cat. #	Description	Cat. #	Description
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
T7403	Med. Green Dichroic Lens	TIR-1-SP	12° Spot Optic
T7404	Med. Blue Dichroic Lens	TIR-1-NFL	24° Narrow Flood Optic
T7405	Yellow Dichroic Lens	TIR-1-FL	35° Flood Optic
T7406	Magenta Dichroic Lens	EMI-20	20W Emergency Lighting Inverter

To order, specify catalog number.

Example: **439NC-WH**

#### Trim/Description



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

Product specifications subject to change without notice.

# LED REMODEL WALL WASH

## 3-1/4" LENSED WALL WASH

Non-IC Rated, 13W LED

### TC43LR-439N

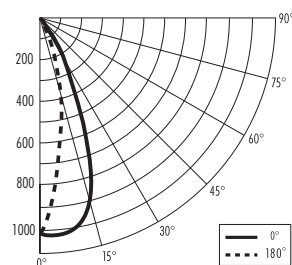
#### PHOTOMETRIC REPORT

Test Report #: PT06120401

Catalog No: TC43LR-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	0°	180°
Vertical	Wall Wash	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"		
Fixture Centers (spacing)		18"			24"		
DISTANCE FROM CEILING	1'	7	6	7	6	4	6
	2'	20	18	20	16	12	16
	3'	27	27	27	21	20	21
	4'	25	25	25	20	19	20
	5'	20	20	20	16	16	16
	6'	15	15	15	12	12	12
	7'	11	11	11	9	9	9
	8'	9	9	9	7	7	7
	9'	7	7	7	6	6	6

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



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