



## 2" LED RECESSED AJUSTABLE 700 & 1000 LUMEN

1-3/8" SQUARE REGRESSED PINHOLE

REMODEL

**TC207LSQAR, TC210LSQAR  
with 2308SQ Trim**



### PRODUCT DESCRIPTION

Recessed LED adjustable luminaire with 1-3/8" regressed pinhole square aperture delivers up to 900 lumens and is available with optical distributions approximating that of MR16 halogen lamps. Fixture has 50° visual cut-off for low aperture brightness. Low profile remodel housing is non-IC rated for use in non-insulated areas or where insulation is spaced at least 3" from housing.

### PRODUCT SPECIFICATIONS

**LED Light Engine** Consistent fixture to fixture color consistency within a 2-step MacAdam ellipse • 2700K, 3000K, 3500K, or 4000K color temperatures are available with 80 CRI minimum • 2700K and 3000K are also available with 90 CRI minimum.

**Modular Optics** Available with field interchangeable optics in 18° Spot, 24° Narrow Flood, 35° Flood, and 45° wide flood distributions.

**Adjustability** Patent pending Acu-Aim™ precision geared hot-aiming achieves 365° rotation, 40° tilt with any ceiling thickness from 1/2" to 1" • Acu-Aim™ translates light engine forward as it is aimed off nadir, ensuring maximum light and low brightness • Black aiming mechanism preserves dark aperture.

**Reflector** Die cast reflector in haze, black haze, wheat haze, or white finish provides 50° cut-off • Separate black shield eliminates visibility into housing.

**Trims Style** Self Flanged and Flush Mount styles are available • For flush mount installations in drywall ceilings, specify the FMASQ2R adapter.

**LED Driver** Choice of two drivers to accommodate voltages from 120-277 volts AC at 50/60Hz • 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 • For a list of compatible dimmers, refer to [ACLXLED2-DIM](#) • Power Factor > 0.9 • Field replaceable from above or below 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 damp locations • ENERGY STAR® Qualified with all color temperatures with 80 CRI and spot, narrow flood, and flood optics • Union made.

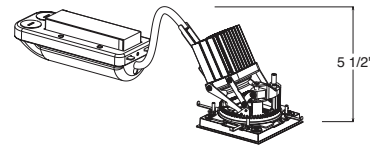
**Remodel Installation** Fixture installs from below the ceiling and secured to remodel ring.

**Wiring** Includes (2) 1/2" knockouts equipped with pryout slots and are compatible with flexible electrical supply only • Supplied with quick connect electrical connectors.

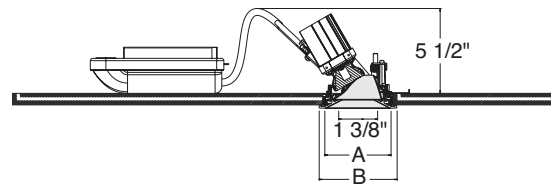
**Ceiling Thickness** 1/2" – 1 1/2" ceiling standard.

Type	Cat. No.
_____	_____
Project: _____	
Notes: _____	

### DIMENSIONS



TC207LSQAR, TC210LSQAR



Trim Style	Cutout Size (A)	Flange Dimension (B)
Self Flanged Trims	3.044" x 3.044"	3.410"
Flush Mount Trims (Drywall Ceiling)	3.044" x 3.044"	2.875"

### ELECTRICAL DATA

Lumen Package	700			1000		
	Dedicated 120V (-1)	Universal Voltage (-U)		Dedicated 120V (-1)	Universal Voltage (-U)	
Voltage	120	120	277	120	120	277
Input Power	10.1	9.6	9.6	14.8	14.8	14.6
Input Current	0.09	0.08	0.04	0.12	0.12	0.06
Frequency	50/60Hz		50/60Hz	50/60Hz		
Power Factor	0.99	0.99	0.93	0.99	0.99	0.95

# 2" LED RECESSED AJUSTABLE 700 & 1000 LUMEN

1-3/8" SQUARE REGRESSED PINHOLE

REMODEL

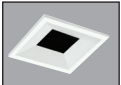

**TC207LSQAR, TC210LSQAR  
with 2308SQ Trim**

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

Example: **TC207LSQAR-830-N-1**

Series	CRI/CCT	Optic	Driver
<b>TC207LSQAR</b> 700 lm Adjustable, Non-IC	<b>827</b> 80 CRI, 2700K	<b>S</b> 18° Spot <b>N</b> 24° Narrow Flood	<b>I</b> 120V, Phase Dimming
<b>TC210LSQAR</b> 1000 lm Adjustable, Non-IC	<b>830</b> 80 CRI, 3000K <b>835</b> 80 CRI, 3500K <b>840</b> 80 CRI, 4000K <b>927</b> 90 CRI, 2700K <b>930</b> 90 CRI, 3000K	<b>F</b> 35° Flood <b>W</b> 45° Wide Flood	<b>U</b> 120-277V, 0-10V Dimming

Example: **2308SQBHZ-WH-SF**

Trim/Description		
		
<b>Self Flanged</b>	<b>Flush Mount<sup>1</sup></b>	<b>Description</b>
<b>2308SQBHZ-BL-SF</b>	<b>2308SQBHZ-BL-FM</b>	Black Trim
<b>2308SQBHZ-WH-SF</b>	<b>2308SQBHZ-WH-FM</b>	White Trim

<sup>1</sup>Flush Mount trims must be used with Flush Mount Adapter in drywall ceilings, ordered separately.


Product specifications subject to change without notice.

**Accessories**

Cat. #	Description
<b>FMASQ2R</b>	Remodel Flush Mount Adapter for drywall ceilings
<b>TIR-ACLX2-SP</b>	18° Spot Optic
<b>TIR-ACLX2-NFL</b>	24° Narrow Flood Optic
<b>TIR-ACLX2-FL</b>	35° Flood Optic
<b>TIR-ACLX2-WFL</b>	45° Wide Flood Optic
<b>AF2-SPREAD</b>	35mm Linear Spread Optic Film
<b>AF2-DIFFUSION</b>	35mm Diffusion Optic Film
<b>EMI-20</b>	20W Emergency Lighting Inverter

**LUMEN OUTPUT MULTIPLIERS**

Color Temperature	CRI	Multiplier
2700K	80	0.93
3000K	80	1.00
3500K	80	1.02
4000K	80	1.06
2700K	90	0.71
3000K	90	0.77

	<b>Construction:</b>	Type Non-IC
	<b>CCT/CRI:</b>	827, 830, 835, 840
	<b>Optic:</b>	S, N, F
	<b>Trim Finish:</b>	BHZ-BL, BHZ-WH



# 2" LED RECESSED AJUSTABLE 700 & 1000 LUMEN

1-3/8" SQUARE REGRESSED PINHOLE

REMODEL

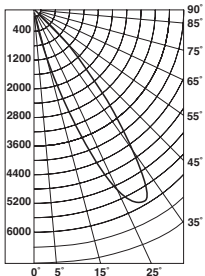
## TC207LSQAR, TC210LSQAR with 2308SQ Trim

**PHOTOMETRIC REPORT**  
Test Report: PT02141108  
Catalog No: IC/TC210LSQAR-830-S-1  
(Aim at 30°)  
with 2308SQBHZ trim

**Watts:** 14.8  
**Lumens:** 873  
**Luminaire LPW:** 59

**Candlepower Distribution**  
(Candelas)  
Degrees

Vertical Degrees	Candela
0°	97
5°	193
10°	480
15°	1368
20°	3003
25°	5347
30°	5932
35°	4695
40°	2180
45°	858
50°	270
55°	69
60°	17
65°	3
70°	0
75°	0
80°	0
85°	0
90°	0

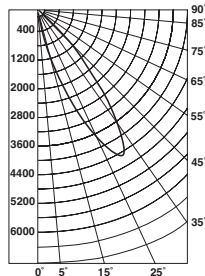


**PHOTOMETRIC REPORT**  
Test Report: PT02141112  
Catalog No: IC/TC210LSQAR-830-W-1  
(Aim at 30°)  
with 2308SQBHZ trim

**Watts:** 14.8  
**Lumens:** 813  
**Luminaire LPW:** 55

**Candlepower Distribution**  
(Candelas)  
Degrees

Vertical Degrees	Candela
0°	120
5°	241
10°	546
15°	1233
20°	2372
25°	3722
30°	4433
35°	3731
40°	2280
45°	1104
50°	448
55°	132
60°	38
65°	11
70°	2
75°	0
80°	0
85°	0
90°	0

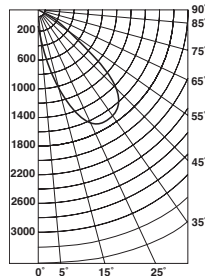


**PHOTOMETRIC REPORT**  
Test Report: PT02141202  
Catalog No: IC/TC210LSQAR-830-F-1  
(Aim at 30°)  
with 2308SQBHZ trim

**Watts:** 14.8  
**Lumens:** 803  
**Luminaire LPW:** 54

**Candlepower Distribution**  
(Candelas)  
Degrees

Vertical Degrees	Candela
0°	177
5°	338
10°	635
15°	1043
20°	1394
25°	1608
30°	1715
35°	1708
40°	1630
45°	1409
50°	1050
55°	512
60°	219
65°	69
70°	3
75°	0
80°	0
85°	0
90°	0

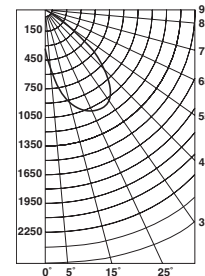


**PHOTOMETRIC REPORT**  
Test Report: PT02141206  
Catalog No: IC/TC210LSQAR-830-W-1  
(Aim at 30°)  
with 2308SQBHZ trim

**Watts:** 14.8  
**Lumens:** 686  
**Luminaire LPW:** 46

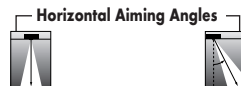
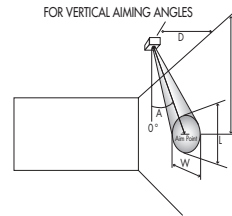
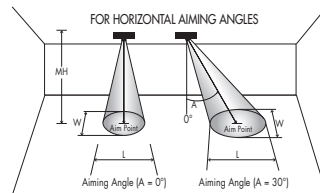
**Candlepower Distribution**  
(Candelas)  
Degrees

Vertical Degrees	Candela
0°	376
5°	568
10°	772
15°	929
20°	1029
25°	1102
30°	1129
35°	1086
40°	990
45°	798
50°	419
55°	215
60°	109
65°	36
70°	1
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°).



Beam Type	Beam Spread	CBCP	0°			30°			30°			40°						
			MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SPT	18°	5932	4	371	1.3	1.3	241	1.8	1.5	2	185	3.5	2.9	1.3	394	2.4	1.7	1.0
			6	165	2.0	2.0	107	2.7	2.3	3	82	5.2	4.3	2.0	175	3.6	2.5	1.5
			8	93	2.6	2.6	60	3.6	3.1	4	46	6.9	5.8	2.6	98	4.8	3.3	2.1
			10	59	3.3	3.3	39	4.5	3.8	5	30	8.7	7.2	3.3	63	6.0	4.2	2.6
			12	41	4.0	4.0	27	5.3	4.6	6	21	10.4	8.7	4.0	44	7.2	5.0	3.1
NFL	24°	4433	4	277	1.5	1.5	180	2.0	1.7	2	139	3.5	3.4	1.5	294	2.4	1.9	1.2
			6	123	2.3	2.3	80	3.0	2.6	3	62	5.2	5.0	2.3	131	3.6	2.9	1.8
			8	69	3.0	3.0	45	4.1	3.5	4	35	6.9	6.7	3.0	74	4.8	3.8	2.3
			10	44	3.8	3.8	29	5.1	4.3	5	22	8.7	8.4	3.8	47	6.0	4.8	2.9
FL	35°	1715	4	107	2.8	2.8	70	3.9	3.3	2	54	3.5	9.0	2.8	114	2.4	4.1	2.2
			6	48	4.2	4.2	31	5.9	4.9	3	24	5.2	13.5	4.2	51	3.9	6.2	3.3
			8	27	5.6	5.6	17	7.8	6.5	4	13	6.9	17.9	5.6	28	4.8	8.3	4.4
			10	17	7.0	7.0	11	9.8	8.1	5	9	8.7	22.4	7.0	18	6.0	10.3	5.5
WFL	45°	1129	4	71	3.2	3.2	46	4.5	3.7	2	35	3.5	12.3	3.2	75	2.4	5.0	2.5
			6	31	4.8	4.8	20	6.8	5.5	3	16	5.2	18.5	4.8	33	3.6	7.5	3.7
			8	18	6.4	6.4	11	9.0	7.4	4	9	6.9	24.6	6.4	19	4.8	10.0	5.0
			10	11	8.0	8.0	7	11.3	9.2	5	6	8.7	30.8	8.0	12	6.0	12.5	6.2
			12	8	9.6	9.6	5	13.5	11.1	6	4	10.4	36.9	9.6	8	7.2	15.0	7.5

