



## 2" LED RECESSED AJUSTABLE 700 & 1000 LUMEN

1-1/4" SQUARE PINHOLE

REMODEL

**TC207LSQAR, TC210LSQAR  
with 2338SQ Trim**



### PRODUCT DESCRIPTION

Recessed LED adjustable luminaire with 1-1/4" pinhole square aperture delivers up to 818 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 trim in white or black with black oculus • 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.

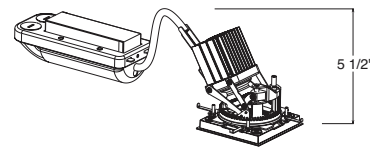
**Remodel Installation** Fixture installs from below the ceiling and secured to remodel ring.

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

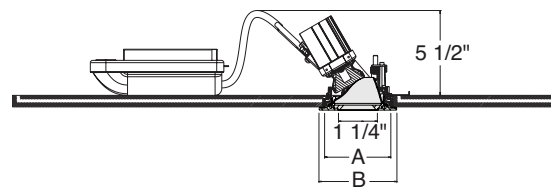
**Ceiling Thickness** 1/2" – 1 1/2" ceiling standard.

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

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**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

	<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

Example: **2338SQBHZ-WH-SF**

Trim/Description		
		
<b>Self Flanged</b>	<b>Flush Mount<sup>1</sup></b>	<b>Description</b>
<b>2338SQBHZ-BL-SF</b>	<b>2338SQBHZ-BL-FM</b>	Black Trim
<b>2338SQBHZ-WH-SF</b>	<b>2338SQBHZ-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

# 2" LED RECESSED ADJUSTABLE 700 & 1000 LUMEN

1-1/4" SQUARE PINHOLE

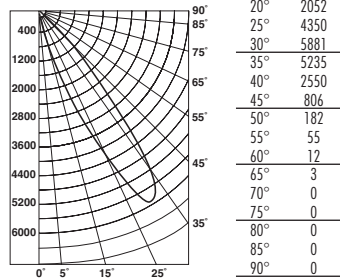
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## TC207LSQAR, TC210LSQAR with 2338SQ Trim

### SPOT PHOTOMETRIC REPORT

Test Report: PT10140901R  
Catalog No: IC/TC210LSQAR-830-S-1  
(Aim at 30°)  
with 2338SQBHZ trim

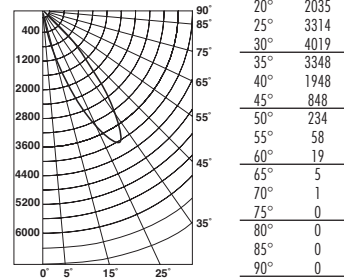
Watts: 14.8  
Lumens: 735  
Luminaire LPW: 50



### NARROW FLOOD PHOTOMETRIC REPORT

Test Report: PT10140903R  
Catalog No: IC/TC210LSQAR-830-N-1  
(Aim at 30°)  
with 2338SQBHZ trim

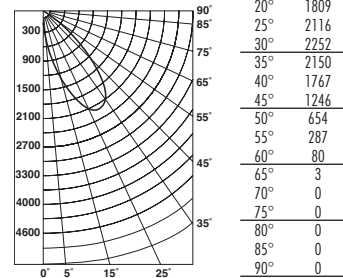
Watts: 14.8  
Lumens: 674  
Luminaire LPW: 46



### FLOOD PHOTOMETRIC REPORT

Test Report: PT10140905R  
Catalog No: IC/TC210LSQAR-830-F-1  
(Aim at 30°)  
with 2338SQBHZ trim

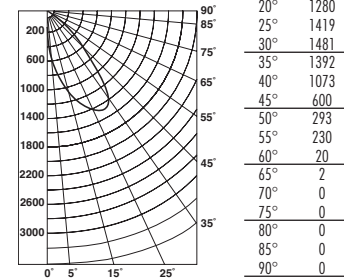
Watts: 14.8  
Lumens: 818  
Luminaire LPW: 55



### WIDE FLOOD PHOTOMETRIC REPORT

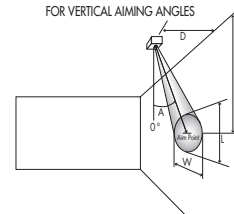
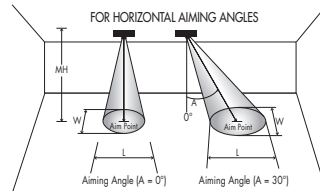
Test Report: PT10140907R  
Catalog No: IC/TC210LSQAR-830-W-1  
(Aim at 30°)  
with 2338SQBHZ trim

Watts: 14.8  
Lumens: 677  
Luminaire LPW: 46



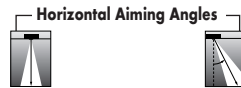
### LUMEN OUTPUT MULTIPLIERS

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



**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°	5881	4	368	1.2	1.2	239	1.7	1.4	2	184	3.5	2.7	1.2	390	2.4	1.6	1.0
			6	163	1.9	1.9	106	2.5	2.1	3	82	5.2	4.0	1.9	174	3.6	2.3	1.4
			8	92	2.5	2.5	60	3.3	2.9	4	46	6.9	5.3	2.5	98	4.8	3.1	1.9
			10	59	3.1	3.1	38	4.2	3.6	5	29	8.7	8.7	3.1	62	6.0	3.9	2.4
			12	41	3.7	3.7	27	5.0	4.3	6	20	10.4	8.0	3.7	43	7.2	4.7	2.9
NFL	24°	4019	4	251	1.4	1.4	163	1.9	1.7	2	126	3.5	3.2	1.4	267	2.4	1.8	1.1
			6	112	2.2	2.2	73	2.9	2.5	3	56	5.2	4.8	2.2	119	3.6	2.7	1.7
			8	63	2.9	2.9	41	3.9	3.3	4	31	6.9	6.4	2.9	67	4.8	3.7	2.2
			10	40	3.6	3.6	26	4.9	4.2	5	20	8.7	8.0	3.6	43	6.0	4.6	2.8
FL	35°	2252	4	141	2.4	2.4	91	3.2	2.7	2	70	3.5	6.4	2.4	150	2.4	3.3	1.8
			6	63	3.5	3.5	41	4.9	4.1	3	31	5.2	9.6	3.5	66	3.6	4.9	2.8
			8	35	4.7	4.7	23	6.5	5.5	4	18	6.9	12.8	4.7	37	4.8	6.5	3.7
			10	23	5.9	5.9	15	8.1	6.8	5	11	8.7	16.0	5.9	24	6.0	8.2	4.6
WFL	45°	1481	4	93	2.6	2.6	60	3.6	3.0	2	46	3.5	7.6	2.6	98	2.4	3.7	2.0
			6	41	3.9	3.9	27	5.4	4.5	3	21	5.2	11.4	3.9	44	3.6	5.6	3.0
			8	23	5.2	5.2	15	7.2	6.0	4	12	6.9	15.2	5.2	25	4.8	7.4	4.0
			10	15	6.5	6.5	10	9.0	7.5	5	7	8.7	19.0	6.5	16	6.0	9.3	5.1
			12	10	7.8	7.8	7	10.8	9.0	6	5	10.4	22.8	7.8	11	7.2	11.1	6.1

