



2" LED RECESSED AJUSTABLE 700 & 1000 LUMEN

SQUARE LENSED ANGLE CUT

REMODEL

TC207LSQAR, TC210LSQAR
with 2001SQ Trim



PRODUCT DESCRIPTION

Recessed LED adjustable luminaire with 1 3/4" square aperture delivers up to 750 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 • Diffuse lens and black shield prevents visibility into housing.

Trims Style Self Flanged and Flush Mount styles are available • Flange is same finish as trim unless optional painted white flange is specified • 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 wet locations • ENERGY STAR® Qualified with all color temperatures with 80 CRI and spot, narrow flood, and flood optics • Union made.

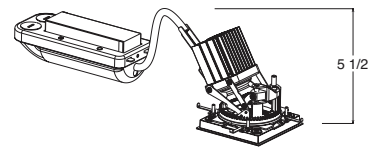
Remodel Installation Fixture installs from below the ceiling and secured to remodel ring.

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

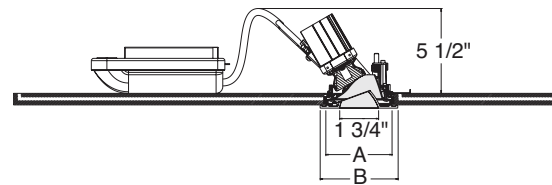
Ceiling Thickness 1/2" – 1 1/2" ceiling standard.

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	50/60Hz	
Power Factor	0.99	0.99	0.93	0.99	0.99	0.95

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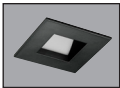
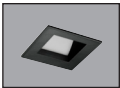
TC207LSQAR, TC210LSQAR with 2001SQ Trim

Ordering Information Housing, trim and accessories each ordered separately

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

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

Example: **2001SQW-SF**

Trim/Description		
		
Self Flanged ¹	Flush Mount ²	Description
2001SQBHZ-SF	2001SQBHZ-FM	Black Haze Reflector
2001SQHZ-SF	2001SQHZ-FM	Haze Reflector
2001SQW-SF	2001SQW-FM	White Reflector
2001SQWHZ-SF	2001SQWHZ-FM	Wheat Haze Reflector

¹For self flanged reflector with optional white painted flange, replace "SF" suffix with "SFWH".

²Flush Mount trims must be used with Flush Mount Adapter in drywall ceilings, ordered separately.


Product specifications subject to change without notice.

Accessories

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

	Construction:	Type Non-IC
	CCT/CRI:	827, 830, 835, 840
	Optic:	S, N, F
	Trim Finish:	HZ, WHZ, BHZ, W



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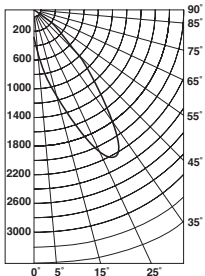
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TC207LSQAR, TC210LSQAR with 2001SQ Trim

PHOTOMETRIC REPORT
Test Report: PT02141109
Catalog No: IC/TC210LSQAR-830-S-1
(Aim at 30°)
with 2001SQHZ trim

Watts: 14.8
Lumens: 752
Luminaire LPW: 51

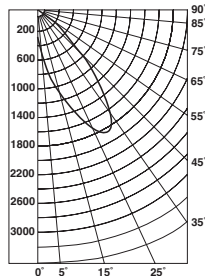
Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	319
5°	501
10°	811
15°	1249
20°	1756
25°	2151
30°	2215
35°	1861
40°	1248
45°	712
50°	342
55°	142
60°	54
65°	18
70°	5
75°	0
80°	0
85°	0
90°	0



PHOTOMETRIC REPORT
Test Report: PT02141113
Catalog No: IC/TC210LSQAR-830-W-1
(Aim at 30°)
with 2001SQHZ trim

Watts: 14.8
Lumens: 705
Luminaire LPW: 48

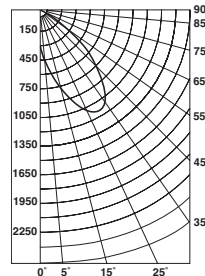
Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	310
5°	472
10°	729
15°	1077
20°	1467
25°	1779
30°	1863
35°	1646
40°	1183
45°	731
50°	395
55°	188
60°	80
65°	29
70°	7
75°	0
80°	0
85°	0
90°	0



PHOTOMETRIC REPORT
Test Report: PT02141203
Catalog No: IC/TC210LSQAR-830-F-1
(Aim at 30°)
with 2001SQHZ trim

Watts: 14.8
Lumens: 698
Luminaire LPW: 47

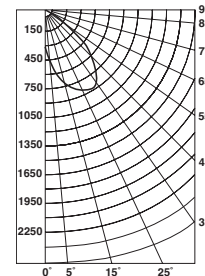
Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	332
5°	448
10°	609
15°	800
20°	982
25°	1121
30°	1185
35°	1161
40°	1033
45°	806
50°	535
55°	308
60°	153
65°	51
70°	6
75°	0
80°	0
85°	0
90°	0



PHOTOMETRIC REPORT
Test Report: PT02141207
Catalog No: IC/TC210LSQAR-830-W-1
(Aim at 30°)
with 2001SQHZ trim

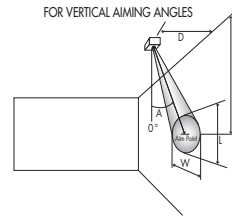
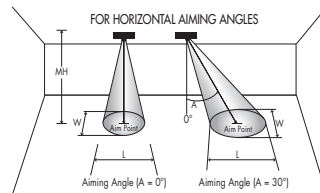
Watts: 14.8
Lumens: 607
Luminaire LPW: 41

Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	344
5°	462
10°	585
15°	705
20°	807
25°	873
30°	896
35°	865
40°	774
45°	601
50°	389
55°	215
60°	102
65°	33
70°	5
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°	2215	4	138	2.0	2.0	90	2.7	2.3	2	69	3.5	4.8	2.0	147	2.4	2.6	1.5
			6	62	3.0	3.0	40	4.0	3.4	3	31	5.2	7.2	3.0	65	3.6	3.9	2.3
			8	35	3.9	3.9	22	5.4	4.6	4	17	6.9	9.6	3.9	37	4.8	5.2	3.1
			10	22	4.9	4.9	14	6.7	5.7	5	11	8.7	12.1	4.9	24	6.0	6.5	3.8
NFL	24°	1863	4	116	2.1	2.1	76	2.9	2.4	2	58	3.5	5.4	2.1	124	2.4	2.9	1.6
			6	52	3.2	3.2	34	4.3	3.7	3	26	5.2	8.1	3.2	55	3.6	4.3	2.5
			8	29	4.2	4.2	19	5.8	4.9	4	15	6.9	10.8	4.2	31	4.8	5.7	3.3
			10	19	5.3	5.3	12	7.2	6.1	5	9	8.7	13.4	5.3	20	6.0	7.1	4.1
FL	35°	1185	4	74	2.9	2.9	48	4.0	3.3	2	37	3.5	9.5	2.9	79	2.4	4.3	2.3
			6	33	4.3	4.3	21	6.1	5.0	3	16	5.2	14.3	4.3	35	3.6	6.5	3.4
			8	19	5.8	5.8	12	8.1	6.7	4	9	6.9	19.1	5.8	20	4.8	8.6	4.5
			10	12	7.2	7.2	8	10.1	8.4	5	6	8.7	23.9	7.2	13	6.0	10.8	5.6
WFL	45°	896	4	55	3.3	3.3	36	4.6	3.8	2	27	3.5	13.0	3.3	58	2.4	5.2	2.5
			6	24	4.9	4.9	16	6.9	5.7	3	12	5.2	19.6	4.9	26	3.6	7.8	3.8
			8	14	6.5	6.5	9	9.2	7.5	4	7	6.9	26.1	6.5	15	4.8	10.3	5.1
			10	9	8.2	8.2	6	11.5	9.4	5	4	8.7	32.6	8.2	9	6.0	12.9	6.3
WFL	45°	896	12	6	9.8	9.8	4	13.8	11.3	6	3	10.4	39.1	9.8	6	7.2	15.5	7.6

