



2" LED RECESSED AJUSTABLE 700 & 1000 LUMEN

SQUARE ANGLE CUT

REMODEL

TC207LSQAR, TC210LSQAR
with 2008SQ Trim



PRODUCT DESCRIPTION

Recessed LED adjustable luminaire with 1 3/4" square aperture delivers up to 860 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 • 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 damp locations • ENERGY STAR® Qualified with all color temperatures with 80 CRI • Union made.

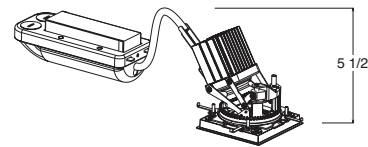
Remodel Installation Fixture installs from below the ceiling and secured to remodel ring.

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

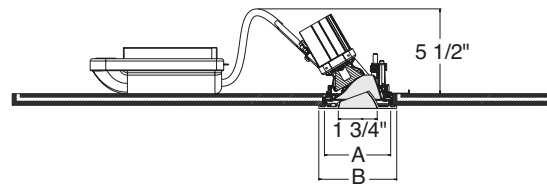
Ceiling Thickness 1/2" – 1 1/2" ceiling standard.

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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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	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	F 35° Flood W 45° Wide Flood	U 120-277V, 0-10V Dimming

Example: **2008SQW-SF**

Trim/Description		
		
Self Flanged ¹	Flush Mount ²	Description
2008SQBHZ-SF	2008SQBHZ-FM	Black Haze Reflector
2008SQHZ-SF	2008SQHZ-FM	Haze Reflector
2008SQW-SF	2008SQW-FM	White Reflector
2008SQWHZ-SF	2008SQWHZ-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, W
	Trim Finish:	HZ, WHZ, BHZ, W



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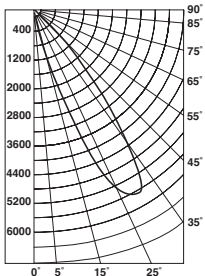
REMODEL

TC207LSQAR, TC210LSQAR with 2008SQ Trim

PHOTOMETRIC REPORT
Test Report: PT02141107
Catalog No: IC/TC210LSQAR-830-S-1
(Aim at 30°)
with 2008SQHZ trim

Watts: 14.8
Lumens: 860
Luminaire LPW: 58

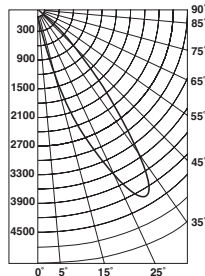
Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	195
5°	332
10°	671
15°	1562
20°	3162
25°	5255
30°	5657
35°	4304
40°	1851
45°	674
50°	133
55°	33
60°	6
65°	0
70°	0
75°	0
80°	0
85°	0
90°	0



PHOTOMETRIC REPORT
Test Report: PT02141111
Catalog No: IC/TC210LSQAR-830-N-1
(Aim at 30°)
with 2008SQHZ trim

Watts: 14.8
Lumens: 821
Luminaire LPW: 55

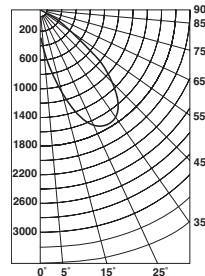
Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	219
5°	373
10°	704
15°	1386
20°	2520
25°	3769
30°	4354
35°	3601
40°	2087
45°	984
50°	321
55°	82
60°	16
65°	3
70°	0
75°	0
80°	0
85°	0
90°	0



PHOTOMETRIC REPORT
Test Report: PT02141201
Catalog No: IC/TC210LSQAR-830-F-1
(Aim at 30°)
with 2008SQHZ trim

Watts: 14.8
Lumens: 820
Luminaire LPW: 55

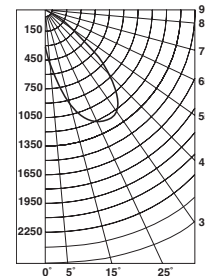
Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	302
5°	456
10°	743
15°	1143
20°	1491
25°	1696
30°	1784
35°	1759
40°	1632
45°	1369
50°	809
55°	403
60°	136
65°	4
70°	0
75°	0
80°	0
85°	0
90°	0



PHOTOMETRIC REPORT
Test Report: PT02141205
Catalog No: IC/TC210LSQAR-830-W-1
(Aim at 30°)
with 2008SQHZ trim

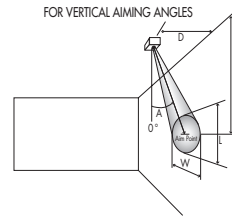
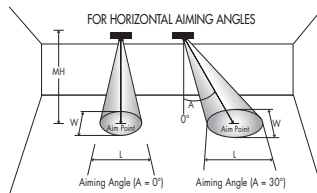
Watts: 14.8
Lumens: 729
Luminaire LPW: 49

Candlepower Distribution (Candelas)	
Degrees	Vertical Candela
0°	432
5°	593
10°	797
15°	997
20°	1127
25°	1205
30°	1240
35°	1210
40°	1117
45°	872
50°	423
55°	226
60°	102
65°	1
70°	0
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°	5657	4	354	1.3	1.3	230	1.8	1.5	2	177	3.5	2.9	1.3	376	3.4	1.7	1.0
			6	157	2.0	2.0	102	2.7	2.3	3	79	5.2	4.3	2.0	167	3.6	2.5	1.5
			8	88	2.6	2.6	57	3.6	3.1	4	44	6.9	5.8	2.6	94	4.8	3.3	2.1
			10	57	3.3	3.3	37	4.5	3.8	5	28	8.7	7.2	3.3	60	6.0	4.2	2.6
NFL	24°	4354	4	272	1.5	1.5	177	2.1	1.8	2	136	3.5	3.4	1.5	289	2.4	1.9	1.2
			6	121	2.3	2.3	79	3.1	2.6	3	60	5.2	5.1	2.3	128	3.6	2.9	1.8
			8	68	3.1	3.1	44	4.1	3.5	4	34	6.9	6.9	3.1	72	4.8	3.9	2.4
			10	44	3.8	3.8	28	5.1	4.4	5	22	8.7	8.6	3.8	46	6.0	4.9	3.0
FL	35°	1784	4	112	2.8	2.8	72	3.8	3.2	2	56	3.5	8.6	2.8	118	2.4	4.0	2.1
			6	50	4.1	4.1	32	5.7	4.8	3	25	5.2	12.8	4.1	53	3.6	6.0	3.2
			8	28	5.5	5.5	18	7.6	6.4	4	14	6.9	17.1	5.5	30	4.8	8.0	4.3
			10	18	6.9	6.9	12	9.6	8.0	5	9	8.7	21.4	6.9	19	6.0	10.0	5.4
WFL	45°	1240	4	78	3.1	3.1	50	4.4	3.6	2	39	3.5	11.3	3.1	82	2.4	4.8	2.4
			6	34	4.7	4.7	22	6.5	5.4	3	17	5.2	17.0	4.7	37	3.6	7.2	3.6
			8	19	6.2	6.2	13	8.7	7.2	4	10	3.9	22.6	6.2	21	4.8	9.6	4.8
			10	12	7.8	7.8	8	10.9	9.0	5	6	8.7	28.3	7.8	13	6.0	11.9	6.0
			12	9	9.3	9.3	6	13.1	10.7	6	4	10.4	33.9	9.3	9	7.2	14.3	7.2

