



## PRODUCT DESCRIPTION

Recessed LED downlight luminaire with 1 3/4" square aperture delivers exceptionally uniform wall wash performance. Fixture has 50° visual cut-off for low aperture brightness. Low profile new construction housing is available in IC rated or non-IC rated configurations.

## 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 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 • For best results, 35° Flood is recommended.

**Reflector** Patent pending architectural wall wash trim provides superior uniformity • Die cast reflector in haze, black haze, wheat haze, or white finish.

**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 FMSQ2 adapter • For flush mount installations in solid ceiling materials such as wood, stone, or tile ceilings, no flush mount adapter is required.

**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 [ACULXLED2-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 • IC rated new construction fixture meets energy code Air Leakage requirements per ASTM E283 • IC rated new construction luminaire is Chicago Plenum (CCEA) approved • Union made.

**New Construction Mounting** Features patented (US Patent 8,038,113) Pro-VI™ bar hanger system, permitting quick placement of housing with 24" on-center joists or suspended ceilings • IC rated new construction luminaire also features vertically adjustable mounting brackets (butterfly brackets) • V-Notch in plaster frame and patented (US Patent 8,277,090) Tru-Line™ Platform featuring +/- 1/2" translation aids fixture alignment after installation, prior to drywall.

**Wiring** IC housing includes (2) 1/2" knockouts in access plate, and is compatible with rigid conduit and flexible supply • Non-IC housings include (2) 1/2" knockouts with pryout slots in junction box and are compatible with flexible electrical supply only • All housings supplied with quick connect electrical connectors.

**Ceiling Thickness** 1/2" – 3/4" ceiling standard • For thicker ceilings, order CTASQ2-120 (.75"-1.20") or CTASQ2-150 (1.20"-1.50").

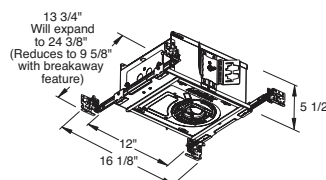
## 2" LED RECESSED WALL WASH 700 & 1000 LUMEN

2" SQUARE WALL WASH  
NEW CONSTRUCTION

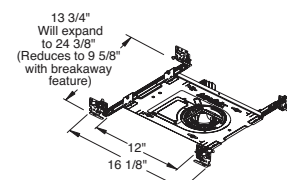
IC/TC207LSQA, IC/TC210LSQA  
with 2009SQ Wall Wash

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

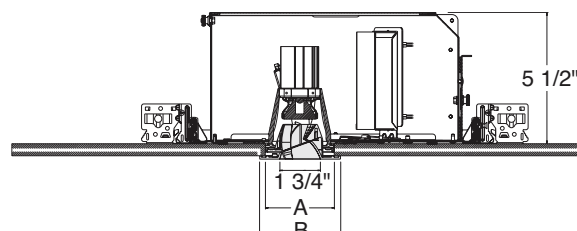
## DIMENSIONS



IC207LSQA, IC210LSQA



TC207LSQA, TC210LSQA



Trim Style	Cutout Size (A)	Flange Dimension (B)
Self Flanged Trims	2-7/8" x 2-7/8"	3.410"
Flush Mount Trims (Solid Ceiling)	2-7/8" x 2-7/8"	2.875"
Flush Mount Trims (Drywall Ceiling)	3" x 3"	2.875"

## ELECTRICAL DATA

Lumen Package	700			1000		
Driver Option	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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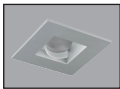

### Ordering Information

Housing, trim and accessories each ordered separately

Example: **IC207LSQD-830-N-1**

Series	CRI/CCT	Optic	Driver
<b>IC207LSQA</b> 700 lm Square Adjustable, IC rated New Construction	<b>827</b> 80 CRI, 2700K	<b>S</b> 18° Spot	<b>1</b> 120V, Phase Dimming
<b>TC207LSQA</b> 700 lm Square Adjustable, Non-IC New Construction	<b>830</b> 80 CRI, 3000K	<b>N</b> 24° Narrow Flood	<b>U</b> 120-277V, 0-10V Dimming
<b>IC210LSQA</b> 1000 lm Square Adjustable, IC rated New Construction	<b>835</b> 80 CRI, 3500K	<b>F</b> 35° Flood (recommended)	
<b>TC210LSQA</b> 1000 lm Square Adjustable, Non-IC New Construction	<b>840</b> 80 CRI, 4000K	<b>W</b> 45° Wide Flood	
	<b>927</b> 90 CRI, 2700K		
	<b>930</b> 90 CRI, 3000K		

Example: **2009SQW-SF**

Trim/Description		
		
Self Flanged <sup>1</sup>	Flush Mount <sup>2</sup>	Description
<b>2009SQBHZ-SF</b>	<b>2009SQBHZ-FM</b>	Black Haze Reflector
<b>2009SQHZ-SF</b>	<b>2009SQHZ-FM</b>	Haze Reflector
<b>2009SQW-SF</b>	<b>2009SQW-FM</b>	White Reflector
<b>2009SQWHZ-SF</b>	<b>2009SQWHZ-FM</b>	Wheat Haze Reflector

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

<sup>2</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>FMASQ2</b>	New Construction Flush Mount Adapter for drywall ceilings
<b>CTASQ2-120</b>	Thick Ceiling Adapter for .75"-1.20" thick ceiling
<b>CTASQ2-150</b>	Thick Ceiling Adapter for 1.20"-1.50" thick ceiling
<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



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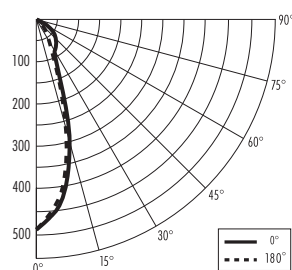
### PHOTOMETRIC REPORT

Test Report #: PT02141703

Catalog No: IC/TC210LSQA-830-F-1  
with 2009SQHZ trim

Luminaire Spacing Criterion @ 90°: 0.60

Luminaire: 2" IC/TC LED Adjustable with Flood Optic,  
Wall Wash Trim



### CANDLEPOWER DISTRIBUTION (Candelas)

Degrees	0°	180°
Vertical	Wall Wash	Downlight
0	494	494
5	477	478
10	409	409
15	309	289
20	214	162
25	134	88
30	85	47
35	64	33
40	56	24
45	53	15
50	48	8
55	42	4
60	36	2
65	29	1
70	21	1
75	15	0
80	10	0
85	5	0
90	0	0

### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixture
0 - 30°	276	53.4
0 - 40°	381	73.5
0 - 60°	496	95.7
0 - 90°	519	100.0
90 - 180°	0	0.0
0 - 180°	519	100.0

### LUMINANCE (Average cd/m²)

Average 180°	
Degrees	Downlight Luminance
45	35756
55	35081
65	32571
75	27146
85	29064

### FOOTCANDLES ON WALL FROM MULTIPLE FIXTURES

Fixture Distance to Wall		18"			24"		
Fixture Centers (spacing)		18"			24"		
DISTANCE FROM CEILING	1'	14	14	14	11	11	11
	2'	18	19	18	15	14	15
	3'	18	18	18	14	14	14
	4'	17	17	17	14	14	14
	5'	15	15	15	12	13	12
	6'	12	12	12	10	11	10
	7'	10	10	10	9	9	9
	8'	8	9	8	7	8	7
	9'	6	7	6	6	6	6

Photometry is at 3000K CCT



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