



# 2" LED RECESSED ADJUSTABLE 700 & 1000 LUMEN LENSED ANGLE CUT CONE NEW CONSTRUCTION IC/TC207LA, IC/TC210LA with 2001 Trim

## PRODUCT DESCRIPTION

Recessed LED adjustable luminaire with 2" round 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 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.

**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** .040" aluminum angle cut reflector in clear specular, black specular, haze, white or wheat haze finish provides 50° cut-off.

**Trims Style** Self Flanged and Flush Mount styles are available • Flange is same finish as reflector unless optional painted white flange is specified • For flush mount installations in drywall ceilings, specify the FMA2 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 wet locations • IC rated new construction fixture meets energy code Air Leakage requirements per ASTM E283 • ENERGY STAR® Qualified with select trim finishes • 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) • Centerline indicators on plaster frame and patented (US Patent 8,277,090) Tru-Line™ Platform featuring +/- 1/2" translation aids fixture alignment after installation, prior to drywall.

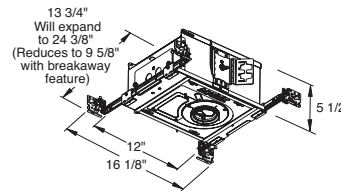
**Wiring** IC housing includes (2) 1/2" knockouts in access plate, and is compatible with rigid conduit and flexible supply • Non-IC housings include (2) 1/2" knockouts with pryout slots in junction box and are compatible with flexible electrical supply only • All housings supplied with quick connect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

**Ceiling Thickness** 1/2" - 3/4" ceiling standard • For thicker ceilings, order CTA2-120 (.75"-1.20") or CTA2-150 (1.20"-1.50") • Vertical aiming in ceiling 1" to 1 1/2" is reduced from 40° to 25°.

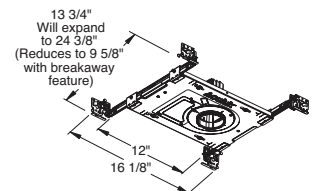


Type	Cat. No.
_____	_____
Project: _____	
Notes: _____	

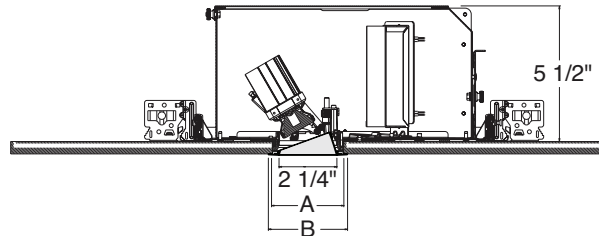
## DIMENSIONS



IC207LA,  
IC210LA



TC207LA,  
TC210LA



Trim Style	Cutout Size (A)	Trim O.D. (B)
Self Flanged Trims	2-7/8"	3.20"
Flush Mount Trims (Solid Ceiling)	2-7/8"	2.875"
Flush Mount Trims (Drywall Ceiling)	3"	2.875"

Note: An accurate hole saw is recommended for best results.

## 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

# 2" LED RECESSED ADJUSTABLE 700 & 1000 LUMEN



LENSED ANGLE CUT CONE  
NEW CONSTRUCTION  
IC/TC207LA, IC/TC210LA  
with 2001 Trim

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

Example: **IC207LA-830-N-1**

Series	CRI/CCT	Optic	Driver
<b>IC207LA</b> 700 lm Adjustable, IC rated	<b>827</b> 80 CRI, 2700K	<b>S</b> 18° Spot	<b>I</b> 120V, Phase Dimming
<b>TC207LA</b> 700 lm Adjustable, Non-IC	<b>830</b> 80 CRI, 3000K	<b>N</b> 24° Narrow Flood	<b>U</b> 120-277V, 0-10V Dimming
<b>IC210LA</b> 1000 lm Adjustable, IC rated	<b>835</b> 80 CRI, 3500K	<b>F</b> 35° Flood	
<b>TC210LA</b> 1000 lm Adjustable, Non-IC	<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: **2001C-SF**

Trim/Description		
		
Self Flanged <sup>1</sup>	Flush Mount <sup>2</sup>	Description
<b>2001C-SF</b>	<b>2001C-FM</b>	Clear Specular Cone
<b>2001B-SF</b>	<b>2001B-FM</b>	Black Specular Cone
<b>2001HZ-SF</b>	<b>2001HZ-FM</b>	Haze Cone
<b>2001W-SF</b>	<b>2001W-FM</b>	White Cone
<b>2001WHZ-SF</b>	<b>2001WHZ-FM</b>	Wheat Haze Cone

<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>FMA2</b>	New Construction Flush Mount Adapter for drywall ceilings
<b>CTA2-120</b>	Thick Ceiling Adapter for .75"-1.20" thick ceiling
<b>CTA2-150</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

	<b>Construction:</b>	Type IC & Non-IC
	<b>CCT/CRI:</b>	827, 830, 835, 840
	<b>Optic:</b>	S, N, F, W
	<b>Trim Finish:</b>	C, HZ, WHZ, B, W



# 2" LED RECESSED ADJUSTABLE 700 & 1000 LUMEN

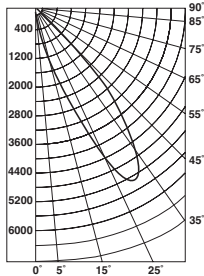
LENSED ANGLE CUT CONE  
NEW CONSTRUCTION

## IC/TC207LA, IC/TC210LA with 2001 Trim

### PHOTOMETRIC REPORT

Test Report: PT02140602  
Catalog No: IC/TC210LA-830-S-1  
(Aim at 30°)  
with 2001HZ trim

Watts: 14.8  
Lumens: 898  
Luminaire LPW: 61



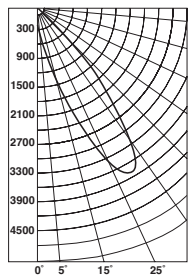
### Candlepower Distribution

Degrees	Vertical	Candela
0°	190	
5°	256	
10°	527	
15°	1247	
20°	2604	
25°	4473	
30°	5316	
35°	4613	
40°	2608	
45°	993	
50°	315	
55°	82	
60°	20	
65°	5	
70°	1	
75°	0	
80°	0	
85°	0	
90°	0	

### PHOTOMETRIC REPORT

Test Report: PT02140606  
Catalog No: IC/TC210LA-830-N-1  
(Aim at 30°)  
with 2001HZ trim

Watts: 14.8  
Lumens: 843  
Luminaire LPW: 57



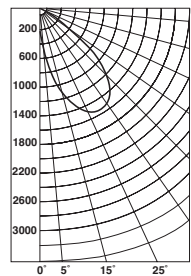
### Candlepower Distribution

Degrees	Vertical	Candela
0°	219	
5°	323	
10°	632	
15°	1293	
20°	2310	
25°	3375	
30°	3813	
35°	3267	
40°	2024	
45°	931	
50°	355	
55°	95	
60°	26	
65°	6	
70°	1	
75°	0	
80°	0	
85°	0	
90°	0	

### PHOTOMETRIC REPORT

Test Report: PT02140610  
Catalog No: IC/TC210LA-830-F-1  
(Aim at 30°)  
with 2001HZ trim

Watts: 14.8  
Lumens: 793  
Luminaire LPW: 54



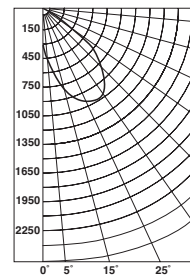
### Candlepower Distribution

Degrees	Vertical	Candela
0°	225	
5°	394	
10°	690	
15°	1050	
20°	1339	
25°	1505	
30°	1565	
35°	1552	
40°	1437	
45°	1214	
50°	868	
55°	390	
60°	153	
65°	36	
70°	1	
75°	0	
80°	0	
85°	0	
90°	0	

### PHOTOMETRIC REPORT

Test Report: PT02140702  
Catalog No: IC/TC210LA-830-W-1  
(Aim at 30°)  
with 2001HZ trim

Watts: 14.8  
Lumens: 752  
Luminaire LPW: 51

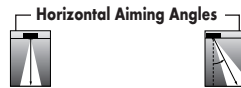
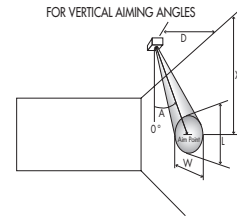
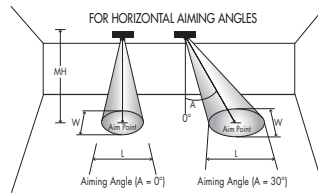


### Candlepower Distribution

Degrees	Vertical	Candela
0°	319	
5°	458	
10°	640	
15°	811	
20°	841	
25°	1011	
30°	1045	
35°	1029	
40°	964	
45°	870	
50°	671	
55°	288	
60°	139	
65°	51	
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°	5316	4	332	1.4	1.4	216	1.9	1.6	2	166	3.5	3.1	1.4	353	2.4	1.8	1.1
			6	148	2.1	2.1	96	2.9	2.5	3	74	5.2	4.7	2.1	157	3.6	2.7	1.7
			8	83	2.9	2.9	54	3.8	3.3	4	42	6.9	6.3	2.9	88	4.8	3.6	2.2
			10	53	3.6	3.6	35	4.8	4.1	5	27	8.7	7.9	3.6	56	6.0	4.5	2.8
			12	37	4.3	4.3	24	5.8	4.9	6	18	10.4	9.4	4.3	39	7.2	5.4	3.3
NFL	24°	3813	4	238	1.6	1.6	155	2.2	1.8	2	119	3.5	3.6	1.6	253	2.4	2.1	1.2
			6	106	2.4	2.4	69	3.2	2.8	3	53	5.2	5.4	2.4	113	3.6	3.1	1.9
			8	60	3.2	3.2	39	4.3	3.7	4	30	3.9	7.3	3.2	63	4.8	4.1	2.5
			10	38	4.0	4.0	25	5.4	4.6	5	19	8.7	9.1	4.0	41	6.0	5.1	3.1
			12	26	4.8	4.8	17	6.5	5.5	6	13	10.4	10.9	4.8	28	7.2	6.2	3.7
FL	35°	1565	4	98	2.9	2.9	64	4.0	3.3	2	49	3.5	9.3	2.9	104	2.4	4.2	2.2
			6	43	4.3	4.3	28	6.0	4.9	3	22	5.2	13.9	4.3	46	3.6	6.3	3.3
			8	24	5.7	5.7	16	8.0	6.6	4	12	6.9	18.5	5.7	26	4.8	8.4	4.4
			10	16	7.1	7.1	10	9.9	8.2	5	8	8.7	23.1	7.1	17	6.0	10.6	5.6
			12	11	8.6	8.6	7	11.9	9.9	6	5	10.4	27.8	8.6	12	7.2	12.7	6.7
WFL	45°	1045	4	65	3.3	3.3	42	4.7	3.8	2	33	3.5	13.4	3.3	69	2.4	5.3	2.6
			6	29	4.9	4.9	19	7.0	5.7	3	15	5.2	20.2	4.9	31	3.6	7.9	3.8
			8	16	6.6	6.6	11	9.3	7.6	4	8	6.9	26.9	6.6	17	4.8	10.5	5.1
			10	10	8.2	8.2	7	11.7	9.5	5	5	8.7	33.6	8.2	11	6.0	13.1	6.4
			12	7	9.9	9.9	5	14.0	11.4	6	4	10.4	40.3	9.9	8	7.2	15.8	7.7

