



2" LED RECESSED ADJUSTABLE 700 & 1000 LUMEN

1-1/4" PINHOLE

NEW CONSTRUCTION

**IC/TC207LA, IC/TC210LA
with 2338 Trim**

PRODUCT DESCRIPTION

Recessed LED adjustable luminaire with 1-1/4" pinhole aperture delivers up to 791 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 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 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 [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 • 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.

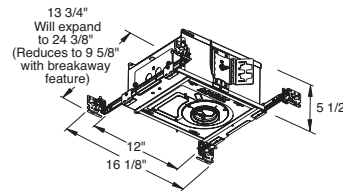
New Construction Mounting Features patented (US Patent 8,038,113) Pro-VI™ bar hanger system, permitting quick placement of housing with 24" on-center joists or suspended ceilings • IC rated new construction luminaire also features vertically adjustable mounting brackets (butterfly brackets) • Centerline 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.

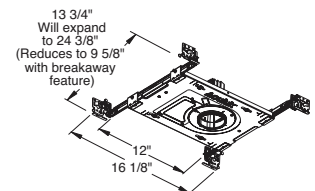
Ceiling Thickness 1/2" - 3/4" ceiling standard • For thicker ceilings, order CTA2-120 (.75"-1.20") or CTA2-150 (1.20"-1.50") • Vertical aiming in ceiling 1" to 1 1/2" is reduced from 40° to 25°.

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

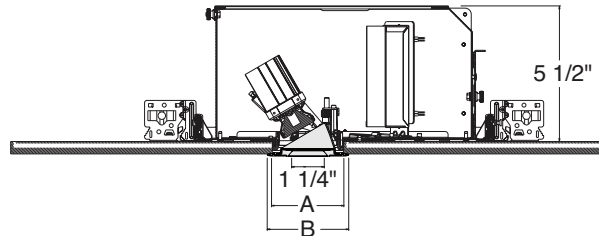
DIMENSIONS



**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		
	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

2" LED RECESSED ADJUSTABLE 700 & 1000 LUMEN



1-1/4" PINHOLE
NEW CONSTRUCTION
IC/TC207LA, IC/TC210LA
with **2338 Trim**

Ordering Information Housing, trim and accessories each ordered separately

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

Series	CRI/CCT	Optic	Driver
IC207LA 700 lm Adjustable, IC rated	827 80 CRI, 2700K	S 18° Spot	I 120V, Phase Dimming
TC207LA 700 lm Adjustable, Non-IC	830 80 CRI, 3000K	N 24° Narrow Flood	U 120-277V, 0-10V Dimming
IC210LA 1000 lm Adjustable, IC rated	835 80 CRI, 3500K	F 35° Flood	
TC210LA 1000 lm Adjustable, Non-IC	840 80 CRI, 4000K	W 45° Wide Flood	
	927 90 CRI, 2700K		
	930 90 CRI, 3000K		

Example: **2338BHZ-WH-SF**

Trim/Description		
		
Self Flanged	Flush Mount¹	Description
2338BHZ-BL-SF	2338BHZ-BL-FM	Black Trim
2338BHZ-WH-SF	2338BHZ-WH-FM	White Trim

¹Flush Mount trims must be used with Flush Mount Adapter in drywall ceilings, ordered separately.

Product specifications subject to change without notice.

Accessories

Cat. #	Description
FMA2	New Construction Flush Mount Adapter for drywall ceilings
CTA2-120	Thick Ceiling Adapter for .75"-1.20" thick ceiling
CTA2-150	Thick Ceiling Adapter for 1.20"-1.50" thick ceiling
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



2" LED RECESSED ADJUSTABLE 700 & 1000 LUMEN

1-1/4" PINHOLE
NEW CONSTRUCTION

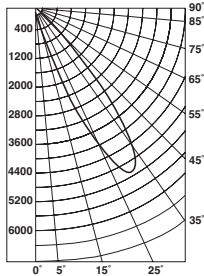
**IC/TC207LA, IC/TC210LA
with 2338 Trim**

SPOT

PHOTOMETRIC REPORT

Test Report: PT10142108R
Catalog No: IC/TC210LA-830-S-1
(Aim at 30°)
with 2338BHZ trim

Watts: 14.8
Lumens: 651
Luminaire LPW: 44



Candlepower Distribution

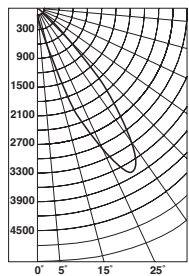
Vertical	Candela
0°	68
5°	118
10°	302
15°	843
20°	1987
25°	4046
30°	5158
35°	4516
40°	2261
45°	749
50°	157
55°	50
60°	10
65°	3
70°	0
75°	0
80°	0
85°	0
90°	0

NARROW FLOOD

PHOTOMETRIC REPORT

Test Report: PT10142110R
Catalog No: IC/TC210LA-830-N-1
(Aim at 30°)
with 2338BHZ trim

Watts: 14.8
Lumens: 617
Luminaire LPW: 42



Candlepower Distribution

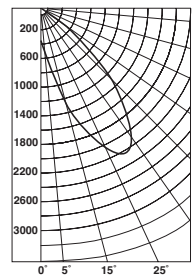
Vertical	Candela
0°	77
5°	159
10°	376
15°	846
20°	1753
25°	3013
30°	3834
35°	3341
40°	1998
45°	925
50°	290
55°	77
60°	22
65°	5
70°	1
75°	0
80°	0
85°	0
90°	0

FLOOD

PHOTOMETRIC REPORT

Test Report: PT10142201R
Catalog No: IC/TC210LA-830-F-1
(Aim at 30°)
with 2338BHZ trim

Watts: 14.8
Lumens: 791
Luminaire LPW: 53



Candlepower Distribution

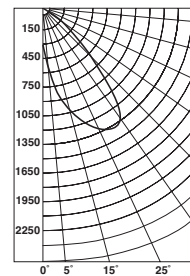
Vertical	Candela
0°	186
5°	392
10°	759
15°	1266
20°	1749
25°	2074
30°	2244
35°	2195
40°	1831
45°	1338
50°	693
55°	316
60°	92
65°	3
70°	0
75°	0
80°	0
85°	0
90°	0

WIDE FLOOD

PHOTOMETRIC REPORT

Test Report: PT10142112R
Catalog No: IC/TC210LA-830-W-1
(Aim at 30°)
with 2338BHZ trim

Watts: 14.8
Lumens: 610
Luminaire LPW: 41

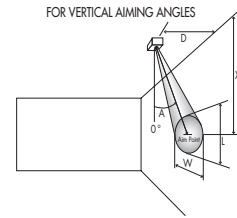
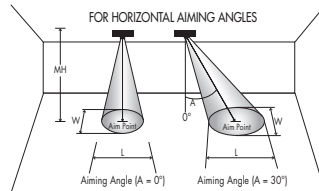


Candlepower Distribution

Vertical	Candela
0°	315
5°	536
10°	790
15°	1014
20°	1191
25°	1326
30°	1396
35°	1344
40°	1057
45°	628
50°	287
55°	164
60°	37
65°	2
70°	0
75°	0
80°	0
85°	0
90°	0

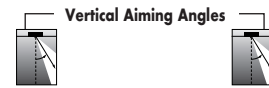
LUMEN OUTPUT MULTIPLIERS

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°	5158	4	322	1.3	1.3	209	1.7	1.5	2	161	3.5	2.8	1.3	342	2.4	1.6	1.0
			6	143	1.9	1.9	93	2.6	2.2	3	72	5.2	4.2	1.9	152	3.6	2.4	1.5
			8	81	2.6	2.6	52	3.5	3.0	4	40	6.9	5.6	2.6	86	4.8	3.2	2.0
			10	52	3.2	3.2	34	4.3	3.7	5	26	8.7	7.0	3.2	55	6.0	4.0	2.5
			12	36	3.9	3.9	23	5.2	4.5	6	18	10.4	8.4	3.9	38	7.2	4.9	3.0
NFL	24°	3834	4	240	1.4	1.4	156	1.9	1.6	2	120	3.5	3.1	1.4	255	2.4	1.8	1.1
			6	107	2.1	2.1	69	2.9	2.4	3	53	5.2	4.7	2.1	113	3.6	2.7	1.6
			8	60	2.8	2.8	39	3.8	3.3	4	30	6.9	6.2	2.8	64	4.8	3.6	2.2
			10	38	3.5	3.5	25	4.8	4.1	5	19	8.7	7.8	3.5	41	6.0	4.5	2.7
FL	35°	2245	4	140	2.4	2.4	91	3.2	2.7	2	70	3.5	6.4	2.4	149	2.4	3.3	1.8
			6	62	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	22	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°	1396	4	87	2.6	2.6	57	3.6	3.0	2	44	3.5	7.8	2.6	93	2.4	3.8	2.0
			6	39	3.9	3.9	25	5.5	4.6	3	19	5.2	11.7	3.9	41	3.6	5.6	3.1
			8	22	5.3	5.3	14	7.3	6.1	4	11	6.9	15.6	5.3	23	4.8	7.5	4.1
			10	14	6.6	6.6	9	9.1	7.6	5	7	8.7	19.5	6.6	15	6.0	9.4	5.1
WFL	45°	1396	12	10	7.9	7.9	6	10.9	9.1	6	5	10.4	23.4	7.9	10	7.2	11.3	6.1

