

Project

Type

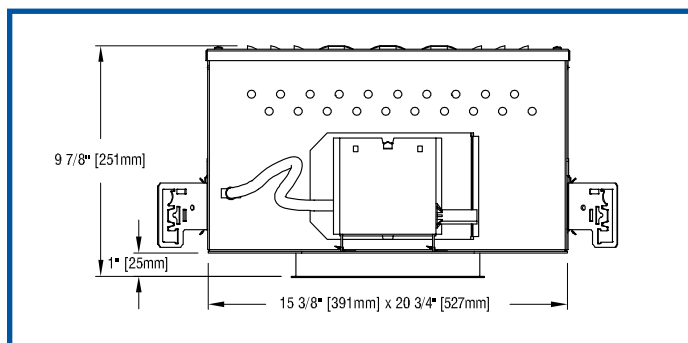
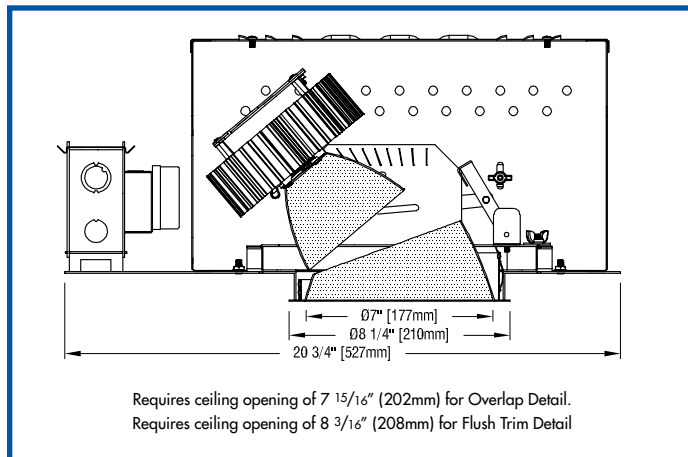


Date Product Code

Designer

ATRIUM AA/7 recessed LED accent light

HIGH OUTPUT - HIGH OUTPUT - HIGH OUTPUT - HIGH OUTPUT - HIGH OUTPUT - HIGH OUTPUT - HIGH OUTPUT - HIGH OUTPUT



FEATURES

- Luminaire employs an internal 'twist and lock' reflector to produce an initial beamspread of 15°, 21° or 38°. To allow beamspread to be changed in installed luminaires, internal reflectors are available as accessories. Precise reflector design minimizes aperture brightness.
- Luminaire provides 363° horizontal rotation and 0°- 40° angular adjustment with lockable focus.
- Luminaire may be ordered with an optional integral holder (LH) for one or two of a number of Optical Accessories including lenses and color filters.
- External reflectors are available in clear natural aluminum finishes — semi-specular (C), slightly diffuse (V) or fully diffuse (EC) — or champagne gold, black Alzak® or white. Other finishes available on special order.
- Housing is constructed from 14-gauge electro-zinc plated steel and 20-gauge electro-zinc, polyester-coated steel in Edison Price Lighting's American factory. Heavy-gauge metals and American manufacturing guarantee long-lasting durability.
- Luminaire includes a pair of mounting bars (3/4" x 27" C channel).
- For more information, [click here](#).

APPLICATIONS

Luminaire is listed for Damp Location. Fixture is prewired with an insulation detecting thermal protector. Luminaire approved for eight #12 wire 90° C branch circuit pull through wiring and is suitable for use in a fire rated ceiling. Removal of external reflector allows access to LED and junction box.



ATRIUM AA/7 is a 7" aperture LED accent light with light source outputs as high as 7000 lumens. Luminaire is powered by Citizen chip-on-board LED's providing CRI's of 80+ or 97. See tables below for wattages and efficacies.

PRODUCT CODE

For complete product code, list basic unit and select one item from each following box.

Basic Unit	
standard: no holder	ATR-CZL2-7AA
option: includes holder for Optical Accessories	ATR-CZL2-7AA-LH

Internal Reflector	
15° initial beam spread	L15D
21° initial beam spread	L21D
38° initial beam spread	L38D

Driver	
dimmbble to 1% by a 0-10V dimmer on 120 or 277-volt service	DMV
dimmbble to 5% or 10% by either an incandescent or ELV dimmer;	
120-volt service only	DMP

Light Source Output (Lumens)	
2200L / 97CRI	L22A
3200L	L32A
4300L	L43A
5400L	L54A
3000L / 80+ CRI	L30S
4200L	L42S
5600L	L56S
7000L	L70S

Light Color	
2700 K	27K
3000 K	30K
3500 K	35K
4000 K	40K
5000 K	50K

Voltage	
120 volt service	120
277 volt service	277

External Reflector Color and Detail	<i>Overlap</i>	<i>Trim Flush*</i>
	Semi-specular Clear	COL
Slightly diffuse Clear	VOL	VTF
Fully diffuse Clear	ECOL	ECTF
Champagne Gold	GOL	GTF
Black	BOL	BTF
White	WOL	WTF

Standard reflector flange continues reflector finish. White painted flanges and custom painted flanges are available on special order. Add WF (white flange) or CCF (custom color flange).
*Trim Flush reflector trim requires the use of a plaster ring Accessory (see below).
▶ Reflectors detailed for metal or wood ceilings available on special order.

ACCESSORIES

 Specify as separate line item.

Plaster ring allows use of 7 7/8" OD Trim Flush (TF) reflector in sheetrock ceiling: 8 3/16" dia hole required.....	TF RING/7
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EXTRA REFLECTORS

 Specify as separate line items.

15° initial beam spread	RK-MX-CZL2-REF-15D
21° initial beam spread	RK-MX-CZL2-REF-21D
38° initial beam spread	RK-MX-CZL2-REF-38D

Warranty Detail Our 5-year warranty does not include the provision of scaffolding, man-lifts, 'cherry pickers' or other extraordinary means of access to a product requiring maintenance.
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OPTICAL ACCESSORIES

For use only with the "holder for Optical Accessories" fixture model; see Product Code / Basic Unit above.
All are 4 3/4" (121mm) diameter.

30° spread lens	LENS/4.75-30	color filters	
20° x 55° spread lens	LENS/4.75	Surprise Pink	PNK/4.75
prismatic lens (Solite)	PLS/4.75	Daylight Blue.....	DAY/4.75

PHOTOMETRIC REPORT with 15° reflector (TESTED PER IESNA LM-79-2008)

Verification Services Report No. 12995360.01A. Original test report furnished upon request.

Luminaire recessed LED round accent light with semi-specular clear aluminum reflector, LED aimed at 15° above vertical
Lamp CITIZEN LED, 7000 lumens, 3000K CCT, 80 CRI, with 15° beam spread integral reflector (NO LENS)
Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

LUMINAIRE LIGHT OUTPUT AND EFFICACY

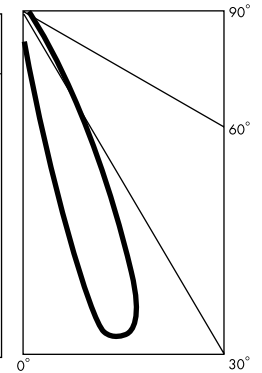
(3000K LED, 15° beam spread integral reflector)

LED Light Engine	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage
2200 Lumens 97 CRI (L22A)	1675*	15224*	80*	21
3200 Lumens 97 CRI (L32A)	2377*	21608*	79*	30
4300 Lumens 97 CRI (L43A)	3241*	29466*	77*	42
5400 Lumens 97 CRI (L54A)	4052*	36833*	72*	56
3000 Lumens 80 CRI (L30S)	2269*	20626*	108*	21
4200 Lumens 80 CRI (L42S)	3133*	28484*	104*	30
5600 Lumens 80 CRI (L56S)	4214*	38306*	100*	42
7000 Lumens 80 CRI (L70S)	5402	49110	96	56

*estimated values

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle				
	0	45	90	135	180
0	5508	5508	5508	5508	5508
5	9029	7149	5310	4213	3716
15	49110	8032	2393	2143	1812
25	21590	3468	1836	34	17
35	3039	2019	19	10	7
45	161	16	8	5	4
55	8	5	4	3	4
65	3	3	3	3	3
75	2	2	2	2	2
85	2	2	2	2	2
90	2	2	2	0	0



PHOTOMETRIC REPORT with 21° reflector (TESTED PER IESNA LM-79-2008)

Verification Services Report No. 12995360.04A. Original test report furnished upon request.

Luminaire recessed LED round accent light with semi-specular clear aluminum reflector, LED aimed at 15° above vertical
Lamp CITIZEN LED, 7000 lumens, 3000K CCT, 80 CRI, with 21° beam spread integral reflector (NO LENS)
Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

LUMINAIRE LIGHT OUTPUT AND EFFICACY

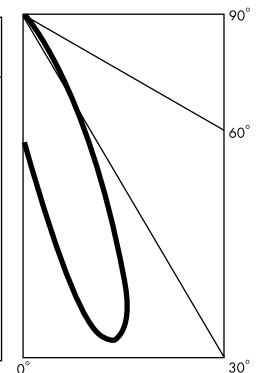
(3000K LED, 15° beam spread integral reflector)

LED Light Engine	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage
2200 Lumens 97 CRI (L22A)	1622*	7043*	77*	21
3200 Lumens 97 CRI (L32A)	2303*	9997*	77*	30
4300 Lumens 97 CRI (L43A)	3140*	13632*	75*	42
5400 Lumens 97 CRI (L54A)	3925*	17040*	70*	56
3000 Lumens 80 CRI (L30S)	2198*	9542*	105*	21
4200 Lumens 80 CRI (L42S)	3035*	13178*	101*	30
5600 Lumens 80 CRI (L56S)	4082*	17722*	97*	42
7000 Lumens 80 CRI (L70S)	5233	22720	93	56

*estimated values

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle				
	0	45	90	135	180
0	8325	8325	8325	8325	8325
5	11570	10690	8051	6553	5973
15	22720	9238	3845	2938	2719
25	11750	4885	2544	338	205
35	4091	2554	222	65	36
45	500	230	36	10	8
55	56	21	7	3	4
65	5	3	2	2	1
75	1	1	1	1	1
85	0	1	2	1	2
90	1	0	0	1	2



PHOTOMETRIC REPORT with 38° reflector (TESTED PER IESNA LM-79-2008)

Verification Services Report No. 12995360.06A. Original test report furnished upon request.

Luminaire recessed LED round accent light with semi-specular clear aluminum reflector, LED aimed at 15° above vertical
 Lamp CITIZEN LED, 7000 lumens, 3000K CCT, 80 CRI, with 38° beam spread integral reflector (NO LENS)
 Lamp Life rated 50,000 hours based on L70/B50 criteria. LM80 report by LED manufacturer furnished upon request

LUMINAIRE LIGHT OUTPUT AND EFFICACY

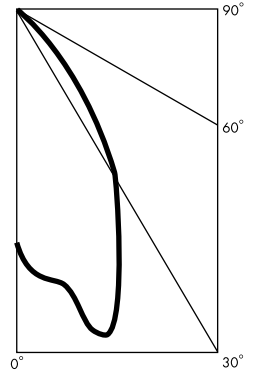
(3000K LED, 15° beam spread integral reflector)

LED Light Engine	Luminaire Light Output	Luminaire CBCP	Luminaire Efficacy (lms/watt)	System Wattage
2200 Lumens 97 CRI (L22A)	1595*	3844*	76*	21
3200 Lumens 97 CRI (L32A)	2264*	5456*	75*	30
4300 Lumens 97 CRI (L43A)	3087*	7440*	74*	42
5400 Lumens 97 CRI (L54A)	3859*	9300*	69*	56
3000 Lumens 80 CRI (L30S)	2161*	5208*	103*	21
4200 Lumens 80 CRI (L42S)	2984*	7192*	99*	30
5600 Lumens 80 CRI (L56S)	4013*	9672*	96*	42
7000 Lumens 80 CRI (L70S)	5145	12400	92	56

*estimated values

CANDLEPOWER DISTRIBUTION (Candela)

Vertical Angle	Horizontal Angle				
	0	45	90	135	180
0	8442	8442	8442	8442	8442
5	9865	9574	8255	6856	6133
15	12400	7941	4458	3307	2896
25	8794	5622	2793	490	365
35	5182	3145	394	122	68
45	982	473	89	17	11
55	189	74	12	4	3
65	14	6	2	2	3
75	3	1	1	1	2
85	2	0	1	1	1
90	1	1	1	0	0



LIGHT OUTPUT MULTIPLIER (based on 7000 lumens, 3000K LED)

LED Light Engine	Light Output Multiplier
2200 Lumens 97 CRI (L15A)	0.31*
3200 Lumens 97 CRI (L15A)	0.44*
4300 Lumens 97 CRI (L15A)	0.6*
5400 Lumens 97 CRI (L15A)	0.75*
3000 Lumens 80 CRI (L15S)	0.42*
4200 Lumens 80 CRI (L15S)	0.58*
5600 Lumens 80 CRI (L15S)	0.78*
7000 Lumens 80 CRI (L15S)	1

*estimated values

STANDARD DRIVER INFORMATION

UL Class 2, dry and damp location

Voltage	120	277
Input Watts (L22A/L32A/L43A/L54A/L30S/L42S/L56S/L70S lumens)	21/30/42/56	21/30/42/56
Input Current (A) (L22A/L32A/L43A/L54A/L30S/L42S/L56S/L70S lumens)	.18/25/35/47	.08/11/15/20
Min. Power Factor	>0.9	>0.9
Operating Temperature Range (F)	-4 to 122	-4 to 122

REFLECTOR COLOR MULTIPLIERS

Semi-specular clear (C)	1
Slightly diffuse clear (V)	.95
Fully diffuse clear (EC)	.88
Champagne gold clear (G)	.95
Black (B)	.49

LED CCT MULTIPLIERS

2700K	.96
3000K	1
3500K	1.02
4000K	1.03
5000K	1.04