ENVIRONMENTALLY FRIENDLY, ENERGY EFFICIENT

- 800 to 3300 lumen units provide comparable light out put to a 50W, 75W & 100W PAR30 halogen, or 20W & 39W PAR30 Metal Halide, while reducing energy consumption by 25% to 70%, and having a rated life of 50,000 hours
- Superior-quality white LED light output using Chip on Board technology
- No harmful ultraviolet or infrared wavelengths • No lead or mercury
- Low UGR: UGR of zero for fixtures aimed at nadir with a cut-off equal to or less than 60deg per CIE 117-1995 Discomfort Glare in Interior Lighting.

PRODUCT SPECIFICATIONS

Atrius™ - Ready Product: Select models of the L-series product line deliver valuable data and connectivity to the Atrius IoT location based platform services. For more information, please refer to www.acuitybrands.com/Atrius.

OPTICS

Upper Reflector: Faceted, Specular Alzak® reflector available in spot, narrow flood and flood beam distributions

Lower Cone: Low iridescent specular, semi-specular or diffuse Alzak® .050" thick angle cut cone in clear, gold, wheat, pewter or bronze with integral flange of same finish • See reflector options for other colors and finishes • Painted white flange is optional

ELECTRICAL

LED Light Engine: High output LED arrays provide outstanding reliability, performance and color quality/consistency • 2700K, 3000K, 3500 or 4000K color temperatures • 80 CRI standard, 90 CRI available, see options (lumen drop of approximately 22%) • "SpectralWhite" color/white enhancing option makes whites appear naturally brilliant and renders colors more richly • Consistent fixture-to-fixture color temperature that is within 3 MacAdams ellipses

Dimming: Dimmable via 0-10V protocol, increasing efficiency up to 30% while dimming • Optional drivers available for use with eldoLED or Lutron EcoSystem • For a list of compatible dimmers see LED-DIM

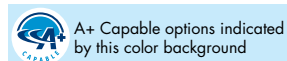**LED Driver:** Power factor >0.9 • Easily replaceable from below or above the ceiling.

Life: Rated for 50,000 hours at 70% lumen maintenance

Emergency Battery Pack (Optional) output: Provides a minimum of 600 (BR & BRT20C) lumens for a minimum duration of 90 minutes • BRT20C option is CEC Title 20 compliant

BUY AMERICAN ACT: This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

Warranty: 5 years when used in accordance with manufacturing guidelines. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed.

Specifications subject to change without notice.

800 TO 3300 LUMEN 8" LED INTERNALLY ADJUSTABLE ACCENT LIGHT
10W/14W/15W/17W/25W/28W/36W LED

LA8 SERIES

Type	Cat. No.
_____	_____

Project: _____

Notes: _____

LABELS AND LISTINGS

- UL and cUL listed for feed through and damp locations
- RoHS compliant
- EMI complies with FCC 47, Part 15, Class A
- I.B.E.W. Union made

A+ Capable options indicated by this color background

ORDERING INFORMATION

Complete Catalog# Example Includes (Rough-In, option, reflector, accessory)

Ordering Example: LA8 08LM 27K 120 G3 80CRI ZT SP CS PF HBTL

ROUGH-IN

Series	Lumen Package	Color Temperature	Voltage	Generation	CRI	Driver		Rough-In Options	
LA8 8" L-Series Internally Adjustable Accent Light	08LM 800 Lumens 13LM 1300 Lumens 15LM 1500 Lumens 17LM 1700 Lumens 23LM 2300 Lumens 28LM 2800 Lumens 33LM[1] 3300 Lumens	27K 2700K 30K 3000K 35K 3500K 40K 4000K	120 277 347	G3	80CRI 80+ CRI 90CRI 90+ CRI SW[2] SpectralWhite	ECOD	Lutron Ecosystem 2-Wire Dimming Driver	F	Fuse and Fuse Holder
						ZT	0-10V Dimming to 1% min	CP[3]	Chicago Plenum
								BR[5,6]	600 Lumen Emergency Battery Pack w/Remote Test Switch
						EZ1	eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	BRT20C[5,6]	600 Lumen Emergency Battery Pack w/ Remote Test Switch, CEC Title 20 Compliant
						EZB	eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%	NL[6,7]	nLight® Dimming Pack Controls
								NLTAIR2[5,6,7,10]	nLight® AIR Dimming Pack Wireless Controls
								AE2CD[8,10]	Atrius™ - Ready, VLC Commissioning, Radio (BT Positioning)

REFLECTOR

To order reflector separately, use "LA8" prefix before reflector option values. Ex: LA8 SP CS PF

See accessories and notes on page 2.

Beam		Finish							Trim Options	
SP	Spot	BD	Black Diffuse	CSS	Clear Semi-Specular	PTS	Pewter Specular		PF[9]	White Flange
NFL	Narrow Flood	BS	Black Specular	GD	Gold Diffuse	WH	White, White Flange			
FLD	Flood	CD	Clear Diffuse	GS	Gold Specular	WTD	Wheat Diffuse			
		CS	Clear Specular	PTD	Pewter Diffuse	WTS	Wheat Specular			

Accessories

1087	Accessory Holder (Holds up to 2 Accessories)	HB28	28" C-Channel Bar Hangers, Pair	INSA8/05	8" Sloped Ceiling Adapter, 5° Angle
PGL	Prismatic Glass Lens	HB52	52" C-Channel Bar Hangers, Pair	INSA8/10	8" Sloped Ceiling Adapter, 10° Angle
LSL	Linear Spread Lens	HBTL	25" Tru-Lock Grid Ceiling Bar Hanger, Pair	INSA8/15	8" Sloped Ceiling Adapter, 15° Angle
LVR	Louver	LB27	27" Linear Bar Hangers, Pair	INSA8/20	8" Sloped Ceiling Adapter, 20° Angle
CFB	Color Filter Light Blue			INSA8/25	8" Sloped Ceiling Adapter, 25° Angle
CFMB	Color Filter Medium Blue			INSA8/30	8" Sloped Ceiling Adapter, 30° Angle
CFR	Color Filter Red				
CFP	Color Filter Pink				
CFA	Color Filter Amber				
CFG	Color Filter Green				

Ordering Notes

1   U.L. Spacing Requirement: Minimum of 4' between fixture centers, 3" overhead clearance and 2' from fixture center to side wall.
2   Not compatible with 27K.
3   Consult factory.
4   Not compatible with BR, BRT20C.
5   Not compatible with 347.
6   Not compatible with CP.
7   Only available with EZ1, EZB, ZT drivers.
8   See AE2CD notes in following table for compatibility with other options.
9   PF not available with WH finish. When specifying WH finish, flange is always painted white.
10 NLTAIR2, AE2CD not recommended for metal ceiling installations.

AE2CD Notes

Only available with EZ1 driver.
Not compatible with BR, BRT20C, NL, NLTAIR2, CP.
Recommended ceiling height of 30' and under; not intended for use on ceilings greater than 40' or metal ceiling installations.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Acuity Brands Lighting is under license.

PRODUCT SPECIFICATIONS (cont.)

MECHANICAL

Adjustability: Yoke assembly allows 370° rotation and up to 45° tilt of light source
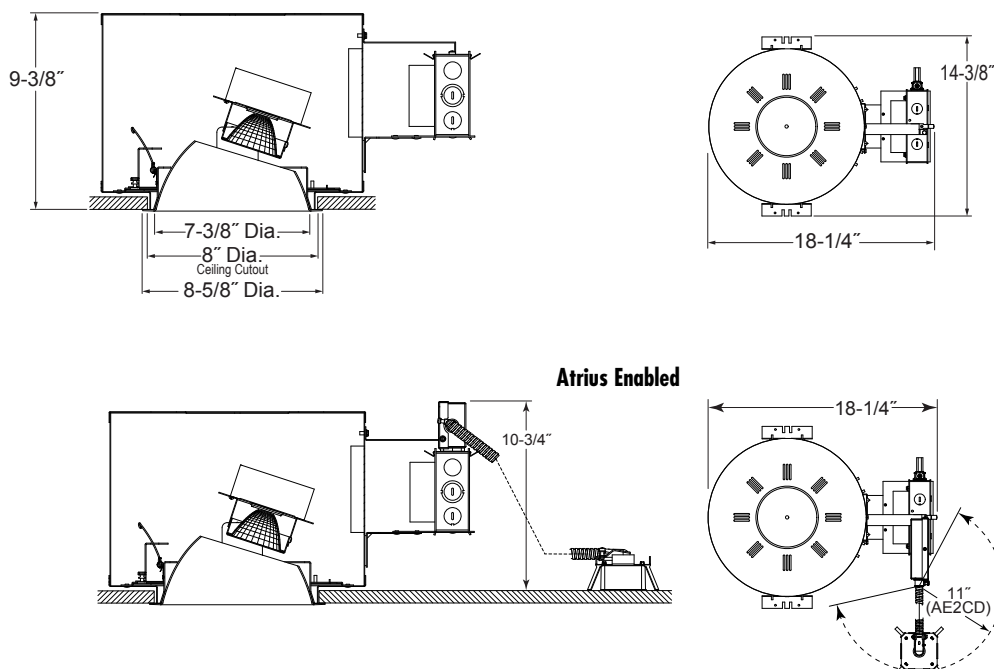**Housing:** Heavy gauge steel with black baked enamel finish
Mounting Frame: Heavy gauge steel lower housing ring with factory installed spring friction clips securely holds cones in ceiling • Accommodates ceilings up to ¾" thick; For thicker ceilings; consult factory.
Mounting Bracket: Mounting brackets have 3" vertical adjustment and accepts most commercial bar hangers, including our proprietary Tru-Lock bar hangers • Our one-piece Tru-Lock bar hangers have integral T-bar locking screws and alignment notches for locating and locking fixture in the center or 1/4" tile increments
Junction Box: Over size 4" x 6" galvanized steel junction box with (6) ½" (2) ¾" knockouts facilitate quick wiring • Junction box rated for four (4) No. 12 AWG 90° C branch circuit conductors (2-in, 2-out)

DIMENSIONS

Atrius Enabled

ENGINEERING DATA: 347 Volt available, consult factory													
VOLTAGE	**120**							**277**						
LIGHT ENGINE LUMENS	800	1300	1500	1700	2300	2800	3300	800	1300	1500	1700	2300	2800	3300
DELIVERED LUMENS	599-770	813-1045	952-1080	1079-1387	1518-1950	1652-2124	1984-2550	599-770	813-1045	952-1080	1079-1387	1518-1950	1652-2124	1984-2550
EFFICACY	59-75	60-77	62-70	62-79	61-79	59-76	55-71	55-71	56-73	58-65	57-74	59-75	57-73	53-68
CCT	**2700K/3000K/3500K/4000K**							**2700K/3000K/3500K/4000K**						
INPUT CURRENT	0.086	0.113	0.129	0.145	0.206	0.233	0.305	0.064	0.068	0.072	0.074	0.096	0.107	0.139
INPUT WATTAGE	10.2W	13.5W	15.4W	17.4W	24.8W	28.0W	36.1W	10.8W	14.4W	16.5W	18.8W	25.9W	28.9W	37.6W
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
POWER FACTOR	0.98	0.99	0.99	0.99	0.99	0.99	0.98	0.61	0.76	0.82	0.91	0.97	0.97	0.97

PERFORMANCE DATA:
LA8 33LM 30K 120; LA8 SP CS
LA8 NFL CS
LA8 FLD CS

FOR HORIZONTAL AIMING ANGLES

FOR VERTICAL AIMING ANGLES

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°.

Horizontal Aiming Angles

Vertical Aiming Angles
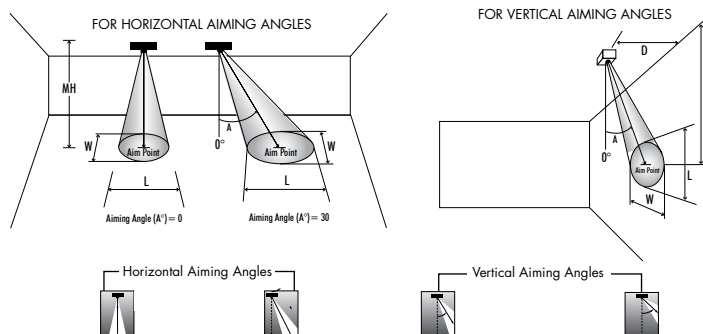
Lamp	Beam Type	Beam Spread°	Rated Life	Delivered Lumens	CBCP	0°			30°			30°					45°			
						MH	FC	L	W	FC	L	W	D	FC	X	L	W	FC	X	L	W
SP	12°	50,000	2,318	18,098	6	503	1.3	1.3	327	1.7	1.5	4	141	6.9	3.5	1.7	400	4.0	1.7	1.2
36W LED, 3000K Spot						8	283	1.7	1.7	184	2.3	1.9	6	63	10.4	5.2	2.5	178	6.0	2.6	1.8
						10	181	2.1	2.1	118	2.8	2.4	8	35	13.9	7.0	3.4	100	8.0	3.4	2.4
						12	126	2.5	2.5	82	3.4	2.9	10	23	17.3	8.7	4.2	64	10.0	4.3	3.0
						14	92	2.9	2.9	60	3.9	3.4	12	16	20.8	10.4	5.0	44	12.0	5.1	3.6
NFL	18°	50,000	1,992	10,246	6	285	1.9	1.9	185	2.6	2.2	2	320	3.5	2.7	1.3	906	2.0	1.3	0.9
36W LED, 3000K Narrow Flood						8	160	2.5	2.5	104	3.4	2.9	4	80	6.9	5.5	2.5	226	4.0	2.6	1.8
						10	102	3.2	3.2	67	4.3	3.7	6	36	10.4	8.2	3.8	101	6.0	3.9	2.7
						12	71	3.8	3.8	46	5.1	4.4	8	20	13.9	11.0	5.1	57	8.0	5.2	3.6
						14	52	4.4	4.4	34	6.0	5.1	10	13	17.3	13.7	6.3	36	10.0	6.5	4.5
FLD	35°	50,000	1,984	4,973	6	138	3.8	3.8	90	5.2	4.4	2	155	3.5	7.2	2.5	440	2.0	2.8	1.8
36W LED, 3000K Flood						8	78	5.0	5.0	50	7.0	5.8	4	39	6.9	14.4	5.0	110	4.0	5.6	3.6
						10	50	6.3	6.3	32	8.7	7.3	6	17	10.4	21.6	7.6	49	6.0	8.4	5.4
						12	35	7.6	7.6	22	10.4	8.7	8	10	13.9	28.8	10.1	27	8.0	11.2	7.1
						14	25	8.8	8.8	16	12.2	10.2	10	6	17.3	35.9	12.6	18	10.0	14.0	8.9

The beam spread in degrees and the beam "L" and "W" in the above tables are computed at 50% of centerbeam candlepower and represent areas of "effective illumination".

Fixtures tested to IES recommended standard for solid state lighting per LM-79-08. Photometric performance on a single unit represents a baseline of performance for the fixture. Results may vary in the field.

Lumen Multiplier:
800 x **0.302**
1300 x **0.410**
1500 x **0.480**
1700 x **0.544**
2300 x **0.765**
2800 x **0.833**
3300 x **1.000**

CCT Multiplier:
2700K x **1.00**
3000K x **1.00**
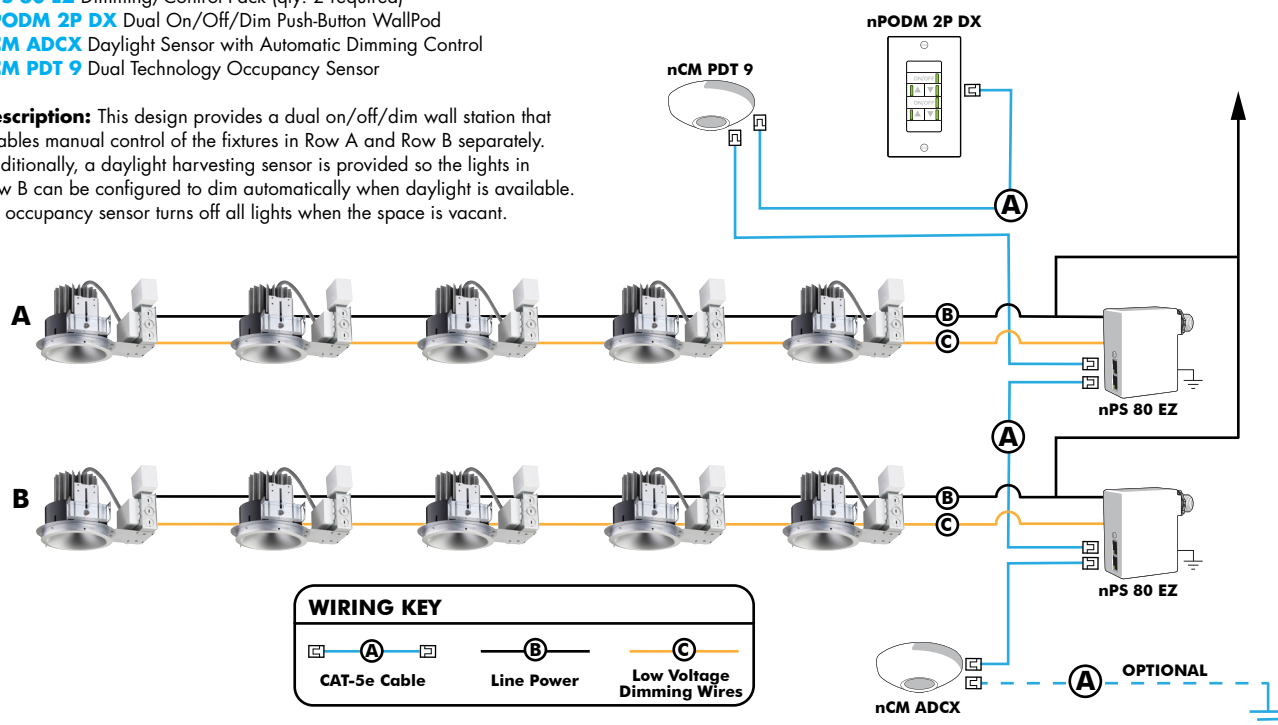3500K x **1.05**
4000K x **1.10**

EXAMPLE
Group Fixture Control*
*Appiication diagram applies for fixtures with eldoLED drivers only.

nPS 80 EZ Dimming/Control Pack (qty: 2 required)
nPODM 2P DX Dual On/Off/Dim Push-Button WallPod
nCM ADCX Daylight Sensor with Automatic Dimming Control
nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

nPODM 2P DX

nCM PDT 9

A

A

B

nPS 80 EZ

A

B

nPS 80 EZ

nCM ADCX

OPTIONAL

A

WIRING KEY

(A) **CAT-5e Cable** (B) **Line Power** (C) **Low Voltage Dimming Wires**

Choose Wall Controls
nLight offers multiple styles of wall controls - each with varying features and user experience.

Push-Button Wallpod
Traditional tactile buttons and LED user feedback

Graphic Wallpod
Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:			
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.			
WallPod Stations	**Model number**	**Occupancy sensors**	**Model Number**
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	**Model Number**	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	**Cat-5 cables (plenum rated)**	**Model Number**
		10', CAT5 10FT	CAT5 10FT J1
		15, CAT5 15FT	CAT5 15FT J1

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brand's specification for chromatic consistency.

- This luminaire is part of an A+ Certified solution for nLight control networks when ordered with drivers marked by a Shaded background*

- This Luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

nLight® AIR Control Accessories:
Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH[1]

Notes
1   Can only be ordered with the RES7Z zone control sensor version.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Indy L-Series Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.

Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor

2. Install the wireless battery-powered wall switch

3. With CL**AIR**ITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome

nLight AIR rPODB 2P DX

Mobile Device