

4" Adjustable Luminaires

A4LED

Non-IC Rated

DATE: _____ TYPE: _____

FIRM NAME: _____

PROJECT: _____



APPLICATIONS:

The Architektür A4 LED provides a 4" specification grade, LED adjustable accent luminaire for a wide variety of Architectural and high-end residential projects with ambient temperatures up to 35° C (9L) 25° C (12 and 15L). The A4 is ideal for applications that require an uncluttered ceiling and dramatic illumination of featured items. Specify the A4 commercially in office, retail, and hospitality spaces, and residentially in bedrooms, living rooms, foyers, and hallways.

HOUSING:

Tool-less, top accessible 20 gauge powder painted steel housing in matte black (top access on Chicago Plenum option requires screwdriver). 18 gauge galvanized steel plaster flange.

OPTICS/REFLECTOR:

Integral spun 2" upper aluminum reflector mounted to the Xicato module.

4" lower reflector includes stainless steel trim retention torsion springs standard. Trim flanges are made of diecast aluminum standard, but are available with a self-flange option (ST). Reflectors are Alzak which will not yellow, crack, or warp. All trims feature translating center beam optics, 35° vertical aiming and 362° rotational aiming. Hot aiming (with trim in place) standard for all trims. Both vertical and horizontal adjustments can be locked in place without tools.

LED LIGHT ENGINE:

High output Xicato LED Module (IP66 rated). Color consistency held to less than 2 SDCM's for fixture to fixture and over time color consistency. Secured to an extruded aluminum heat sink for excellent thermal management providing optimal life and lumen maintenance (minimum 50,000 hours at 70% lumen maintenance).

LED DRIVER:

Energy efficient constant current driver. Meets UL class 2, FCC Part 15, Class A compliant, inherent short circuit protection and LED load temperature protection.

DIMMING:

Comes standard with 0-10V 10% dimming. 0-10V 1%. 2DM and HDM also available. Dimming circuit may require up to 1.2mA of sink current. Lutron 2-wire forward phase, 3 wire and EcoSystem dimming to 1% also available.

INSTALLATION:

Universal adjustable mounting brackets accommodate 1 1/2" or 3/4" lathing channel or 1/2" EMT (by others), or Prescolite 24" bar hangers (B24 or B6).

J-BOX:

Prewired 18 gauge galvanized steel junction box with snap-on cover. J-box and driver are accessible from above or below ceiling.

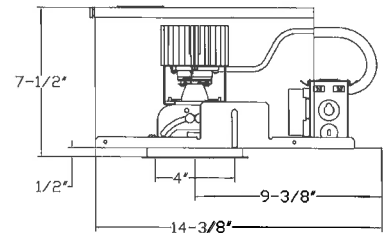
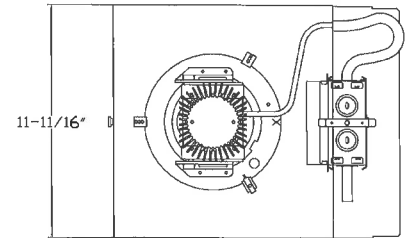
CERTIFICATIONS:

CSA C/US listed for all common ceiling types. Insulation, if present, must be kept 3" away from housing. CSA C/US listed for damp locations, Non IC rated and 4 IN/4OUT, 90°C through wiring. Thermally protected.

WARRANTY:

5 year warranty. Go to www.prescolite.com for full details.

Aperture: 4.0"
Ceiling Cutout: 5"
Maximum Ceiling Thickness: 1 1/2"
For conversion to millimeters,
multiply inches by 25.4
Not to Scale



EXAMPLE: A4LED120-4A9LED15L27K8FL35-4C1-B2

CATALOG NUMBER:

Order housing, reflector, and accessories separately

HOUSING	VOLTAGE	OPTIONS	LIGHT ENGINE	OUTPUT	LED COLOR	CRI	BEAM ANGLE
<input type="checkbox"/> A4LED	<input type="checkbox"/> 120 120V <input type="checkbox"/> 277 277V	<input type="checkbox"/> Blank Osram 0-10V 10% Dimming Driver. <input type="checkbox"/> DM1 Osram 0-10V 1% Dimming Driver <input type="checkbox"/> 2DM Hi-lume 1% 2-wire LED Driver (120V only) <input type="checkbox"/> HDM Hi-lume 1% 3-wire/ EcoSystem LED Driver <input type="checkbox"/> CP Chicago Plenum	<input type="checkbox"/> 4A9LED Upper Reflector Light Engine Assembly	<input type="checkbox"/> 9L 900 Delivered Lumens <input type="checkbox"/> 12L 1200 Delivered Lumens <input type="checkbox"/> 15L¹ 1500 Delivered Lumens	<input type="checkbox"/> 27K 2700 Kelvin <input type="checkbox"/> 30K 3000 Kelvin <input type="checkbox"/> 35K 3500 Kelvin <input type="checkbox"/> 40K 4000 Kelvin	<input type="checkbox"/> 8 Nominal 80+ CRI <input type="checkbox"/> 9 Nominal 95+ CRI	<input type="checkbox"/> FL35 Spun Aluminum Reflector <small>¹Not available in 95 CRI ²Alzak finishes available on 4C1 & 4C1ST ³Painted finishes on 4B1, 4S1, and 4P1 trims ⁴Not available with ST self flange option ⁵Specular clear Alzak upper reflector standard. Do not specify reflector finish or color ⁶Accessories should be selected with housing if required</small>

Trim may be selected with housing or ordered separately

TRIM	FLANGE OPTIONS	LOWER REFLECTOR FINISH	LOWER REFLECTOR FINISH COLOR	FLANGE FINISH COLOR	ACCESSORIES
<input type="checkbox"/> 4C1² Alzak Reflector Cone <input type="checkbox"/> 4B1^{3,4} Baffle <input type="checkbox"/> 4S1^{3,4} Slot <input type="checkbox"/> 4P1^{3,4} Pinhole Spot <input type="checkbox"/> 4L1^{4,5} Etched Lens Shower Trim	<input type="checkbox"/> Blank Diecast Aluminum Flange <input type="checkbox"/> ST Self Flanged (4C1 and 4B1 only)	<input type="checkbox"/> Blank² Specular Alzak <input type="checkbox"/> SS² Semi Specular Alzak <input type="checkbox"/> MFC² American Matte Alzak	<input type="checkbox"/> Blank² Clear Alzak <input type="checkbox"/> CG² Champagne Gold Alzak <input type="checkbox"/> BL ² Black Alzak ³ Black Paint <input type="checkbox"/> WE² Wheat Alzak <input type="checkbox"/> LW² Light Wheat Alzak <input type="checkbox"/> PW² Pewter Alzak <input type="checkbox"/> WH³ White Paint <input type="checkbox"/> Z³ Zet Silver Paint	<input type="checkbox"/> Blank Anodized finish (ST option 4C1 only) <input type="checkbox"/> WT White Trim Flange <input type="checkbox"/> BAT⁴ Brushed Aluminum Trim Flange <input type="checkbox"/> BT Black Trim Flange <input type="checkbox"/> ZT Zet Silver Trim Flange	<input type="checkbox"/> B24⁶ Set of two (2) 24" Bar Hangers for T-bar Ceilings <input type="checkbox"/> B6⁶ Set of two (2) 24" Bar Hangers for ceiling joists up to 24" centers



In a continuing effort to offer the best product possible we reserve the right to change, without notice, specifications or materials that in our opinion will not alter the function of the product. Web: www.prescolite.com • Tech Support: (888) 777-4832

ARCH-LED-017

PHOTOMETRIC DATA

ELECTRICAL DATA	A4LED9L8	A4LED9L9	A4LED12L8	A4LED12L9	A4LED15L8
Input Voltage	120/277V	120/277V	120/277V	120/277V	120/277V
Input Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Input Current	0.14/0.062	0.170/.076	0.20/0.087	0.18/0.08	0.28/0.12
Input Power	17 Watts	21 Watts	24 Watts	22 Watts	33 Watts
Constant Current Output	760mA	760mA	700mA	700mA	1050mA
Power Factor	≥0.90	≥0.90	≥0.90	≥0.90	≥0.90
EMI Filtering	FCC 47CFR Part 15, Class B	FCC 47CFR Part 15, Class B	FCC 47CFR Part 15, Class B	FCC 47CFR Part 15, Class B	FCC 47CFR Part 15, Class B
Fixture Operating Temperature	-30°C to 35°C	-30°C to 35°C	-30°C to 25°C	-30°C to 25°C	-30°C to 25°C
Dimming	0-10V to 10%	0-10V to 10%	0-10V to 10%	0-10V to 10%	0-10V to 10%

Over-voltage, over-current,
(short-circuit protected, and over-temperature protection with auto recovery)

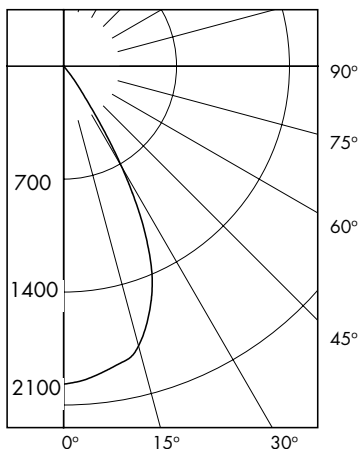
Lumen Multiplier For CRI Options		
	80+ CRI	95 CRI
15L	1.00	N/A
12L	0.78	0.51
9L	0.55	0.44

*For exact lumen outputs, please visit
www.prescolite.com to find IES reports

Xicato Module Chart				
	80+ CRI	95 CRI	Drive Current	
15L	2000	N/A	1050 mA	Xicato XSM Module
	2000	N/A		Module Delivered Lumens
12L	2000	1300	700 mA	Xicato XSM Module
	1420	930		Module Delivered Lumens
9L	1300	1000	760 mA	Xicato XSM Module
	1000	800		Module Delivered Lumens

A4LED120-4A9LED15L30K8FL35 4C1

LED Light Engine: 3000K, 80 CRI
System Wattage: 35.8
Fixture Delivered Lumens: 1404
Spacing Criteria: 0.8



DEG	CANDELA	LUMENS
0	1971	
5	1937	183
15	1795	497
25	1243	548
35	208	168
45	3	6
55	1	1
65	1	1
75	1	1
85	0	0
90	0	0

Test No. 9395

Tested at 25°C Ambient in accordance to IESNA LM-79-2008

ZONAL LUMEN SUMMARY

ZONE	LUMENS
0-30	1228
0-40	1395
0-60	1402
0-90	1404
0-180	1404

LUMINANCE DATA IN CANDELA/SQ. METER

Angle in Vertical	Average - 0°
45°	523
55°	215
65°	292
75°	476
85°	0

COEFFICIENTS OF UTILIZATION Zonal Cavity Method

Room Cavity Ratio	% Effective Ceiling Cavity Reflectance																			
	80%				70%				50%				30%				10%			
	20% Effective Floor Cavity Reflectance																			
	% Wall Reflectance																			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91			
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81			
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77			
6	92	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73			
7	88	79	74	70	86	79	74	70	77	73	70	76	72	69	75	72	69			
8	84	75	70	66	83	75	70	66	74	69	66	73	69	66	72	68	65			
9	80	72	66	63	79	71	66	63	70	66	63	70	65	62	69	65	62			
10	77	68	63	60	76	68	63	60	67	63	59	67	62	59	66	62	59			

A4LED120-4A9LED15L30K8FL354C1

Test No. 9395



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PHOTOMETRIC DATA

Dimming Compatibility Table

Dimming Ballast	Manufacturer	Web Link
DM/DM1	Lutron DDTV	http://bit.ly/11jSvZg
DM/DM1	Leviton AWRMG-7xx, AWSMG-7xx, AWSMT-7xx	http://bit.ly/2mvXqIW
EDM	Lutron	http://bit.ly/1vtjHAL
2DM	Lutron	http://bit.ly/1S4WjXK