

FEATURES & SPECIFICATIONS

INTENDED USE — The Avante 1x4 is a general lighting luminaire. Row or unit mount to provide ambient lighting for large spaces. Makes for excellent corridor lighting. Use AVL 1x4 in conjunction with 2x4's to fill difficult areas of lighting layout. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Housing is gloss white enamel on cold-rolled steel. All edges hemmed or rounded. All shieldings pivot on light traps and swing down for easy access. Molded light traps prevent light leaks between shielding and end-plates. Driver access is from below.

OPTICS — Matte white polyester powder paint finished reflectors provide uniform light distribution. All diffusers control direct light distribution and glare by shielding LEDs from direct view. Metal diffuser staggered round holes (MDR) 52% open perforated metal with .075" diameter holes backed with white acrylic diffuser.

Straight blade louver (SBL) sides of perforated metal with staggered round holes and solid blade louvered center. Sides and louver backed with white acrylic diffuser.

ELECTRICAL — Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

eldoLED driver options deliver choice of dimming range and choice of control, while assuring flicker-free, low-current inrush, 89% efficiency and low EMI.

Optional integrated nLight® controls make each luminaire addressable - allowing it to digitally communicate with other nLight-enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight-enabled control devices and the AVL luminaires using standard Cat-5 cabling. Unique plug-and-play convenience as devices and luminaires automatically discover each other and self-commission.

Lumen Management: Unique lumen management system (option N80) provides onboard intelligence that actively manages the LED light source so that constant lumen output is maintained over the system life, preventing the energy waste created by the traditional practice of over-lighting.

Driver disconnect provided where required to comply with US and Canadian codes.

INSTALLATION — Trims available for standard 1" and 9/16" tee bar or screw slot grids.

Fixtures can be row mounted end-to-end. Suitable for damp locations

Drywall ceiling adapters available.

LISTINGS — CSA certified to meet U.S. and Canadian standards. IC rated.

Avante is covered by one or more of the following patents: 5,988,829; 399,586; 411,641; 413,402; 2,212,513; 87,513.

WARRANTY — 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Catalog Number
Notes
Type

Avante
Direct/Indirect Lighting

AVL4



1' X 4'
LED



eldoLED®

Specifications

Length:	48 (121.9)
Width:	12 (30.5)
Depth:	5-1/2 (14.0)
Weight:	22 lbs

All dimensions are inches (centimeters) unless otherwise indicated.

CSA+ 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 Brands' 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

AVL 1x4 Direct/Indirect Lighting



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative

Example: AVL4 18L MDR EZ1 LP835

AVL4							
Series	Trim type	Air function	Lumens ¹	Diffuser	Voltage		
AVL4 AV LED	(blank) Grid trim ST Screw slot	(blank) Static (no air function)	18L 1800 lumens 25L 2500 lumens	MDR Metal diffuser, round holes SBL Straight louver, round holes	(blank) MVOLT (120 - 277V) 347 347V		

Driver	Color temperature	Controls	Options
EZ1 eldoLED dims to 1% (0-10 volt dimming)	LP830 3000 K	(blank) No controls	CP Chicago plenum
GZ1 Dims to 1% (0-10V dimming) ²	LP835 3500 K	N80 nLight® with 80% lumen management	
GZ10 Dims to 10% (0-10V dimming) ²	LP840 4000 K	N80EMG nLight® with 80% lumen management. For use with generator supply EM power	
	LP850 5000 K	N100 nLight® without lumen management	
		N100EMG nLight® without lumen management. For use with generator supply EM power	

Accessories: Order as separate catalog number.	
DGA14	Drywall ceiling adapter, unit installation. Use G trim plus DGA accessory for fixture trim flange and fixture support in plaster or plasterboard ceilings.

Notes

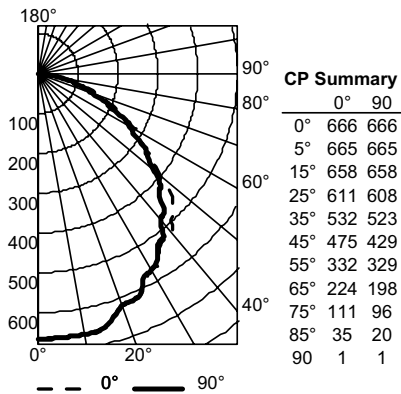
- 1 Approximate lumen output.
- 2 GZ1, GZ10 drivers not available with any Controls options.

Performance Data			
Lumen Package	Lumens	Input Watts	LPW
AVL4 18L MDR LP830	1757	20	90
AVL4 18L MDR LP835	1788	20	91
AVL4 18L MDR LP840	1818	20	93
AVL4 18L MDR LP850	1818	20	93
AVL4 25L MDR LP830	2400	27	90
AVL4 25L MDR LP835	2441	27	92
AVL4 25L MDR LP840	2483	27	93
AVL4 25L MDR LP850	2483	27	93

AVL 1x4 Direct/Indirect Lighting

PHOTOMETRICS

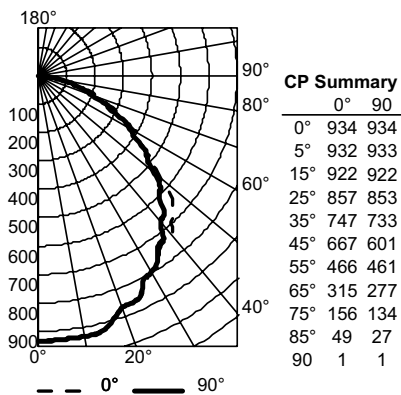
AVL4 18L MDR LP835, 1788 delivered lumens



pc	20%								
	80%			70%			50%		
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	109	105	100	102	99	95	98	95	92
2	100	91	85	90	83	78	86	81	76
3	91	81	72	79	72	66	76	70	64
4	83	71	63	70	62	56	68	61	55
5	77	64	55	63	54	48	61	53	48
6	71	57	49	57	48	42	55	47	42
7	66	52	43	51	43	37	50	42	37
8	61	48	39	47	39	33	46	38	33
9	57	44	35	43	35	30	42	35	30
10	53	40	32	40	32	27	39	32	27

Zone	Lumens	% Lamp	% Fixture
0° - 30°	526	28.2	28.2
0° - 40°	863	46.3	46.3
0° - 60°	1519	81.4	81.4
0° - 90°	1866	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	1866	100.0	100.0

AVL4 25L MDR LP835, 2441 delivered lumens



pc	20%								
	80%			70%			50%		
pw	70%	50%	30%	50%	30%	10%	50%	30%	10%
0	119	119	119	116	116	116	111	111	111
1	109	105	100	102	99	95	98	95	92
2	100	91	85	90	83	78	86	81	76
3	91	81	72	79	72	66	76	70	64
4	83	71	63	70	62	56	68	61	55
5	77	64	55	63	54	48	61	53	48
6	71	57	49	57	48	42	55	47	42
7	66	52	43	51	43	37	50	42	37
8	61	48	39	47	39	33	46	38	33
9	57	44	35	43	35	30	42	35	30
10	53	40	32	40	32	27	39	32	27

Zone	Lumens	% Lamp	% Fixture
0° - 30°	738	28.2	28.2
0° - 40°	1210	46.3	46.3
0° - 60°	2129	81.4	81.4
0° - 90°	2616	100.0	100.0
90° - 180°	0	0.0	0.0
0° - 180°	2616	100.0	100.0