

ALD8ST

ALD8ST combines clean lines with high performance direct asymmetric distribution, for a functional and aesthetically pleasing slim profile.

nLIGHT

Controls

eldoLED

Drivers

Sensors

DAMP

Location

ADA

Compliant

Buy American

UL

Certified

5Y

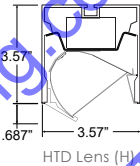
Warranty

Performance

OUTPUT	DELIVERED		
	LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	897 lm/ft	13 W/ft	69 lm/W

Based on static white 35° HTD lens fixtures. The data shown represents the highest output configuration. For complete photometric data, refer to page 2.

Dimensions



Mounting options

(S)
Aircraft Cable

(F)
Surface Mount

(H)
Horizontal Setoff

(R)
Direct Wall Mount
ADA Compliant

Lens options



Fast track nomenclature only. For complete nomenclature see "standard" specsheet.

ALD8ST						
SERIES	LENGTH	OUTPUT	LED CCT	CRI	VOLTAGE	DIRECT OPTICS
ALD8ST	Nominal Length ¹	LS Standard Output LH High Output C_ Custom Output ¹	30 3000k 35 3500k 40 4000k	80+ CRI	120-277V	H HTD Lens™
¹ Specify in feet to the nearest foot (i.e. 12)						
¹ Contact Design Assist for custom tuning or non-standard light outputs.						
¹ For wall mountings beam direction points away from wall. Contact Design Assist for different beam optic direction.						

MOUNTING	FINISH	DIMMING	OPTIONS	OTHER
S Aircraft cable ¹ R Direct wall mount H Horizontal Setoff Bracket ² F Surface Mount	W White B Black T Titanium	D Standard 0-10V dimming ¹	R Right Endcap Feed L Left Endcap Feed	FT Fast Track ¹
Black power cord provided for black and titanium finish and white power cord provided for all other fixture finishes, unless otherwise specified. ¹ Standard 48" field adjustable cable, specify length to nearest inch if over 48". ² Adjustable mounting. Enter 1 for 1" depth. Enter 5 for 1/2" depth.				
¹ 1% Dimming standard unless otherwise specified.				
¹ Option must be in part number in order to be considered Fast Track.				

Need help? Don't see what you need? We know that having so many options can be overwhelming. Please reach out to our factory for any specific request or questions you have.

Our Design Assist team (designassist@alights.com) is here to make the process move smoothly.

Light distribution

DISTRIBUTION

Direct Asymmetric

OUTPUT (DC)

LVH : Very high output - 13 W/ft
LH: High output - 10.5 W/ft
LS: Standard output - 5 W/ft
C: Custom tuned output - Contact Design Assist

Photometric Data

DIRECT ASYMMETRIC

LVH - 4FT - 3500K - HTD LENS

Lumens: 897 lm/ft
Input watts: 13 W/ft
Efficacy: 69 lm/W

LH: ———
LS: - - - - -

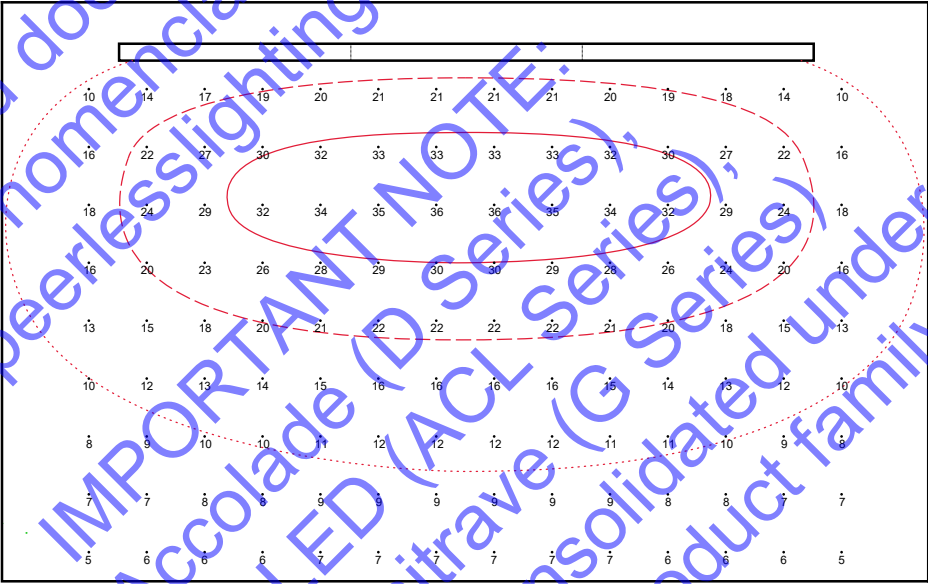


Sample Installation - Accent wall

LH DOWN - 4000K

Wall height: 10' ft
Reflectance: 80% / 50% / 20%
Mounting height: 9 ft A.F.F.
Distance from wall: 3 ft
Fixture length: 12 ft
Calculation grid: 1 ft x 1 ft
Calculation plane (Vertical): On wall
Average Illuminance (Ev): 17 fc
Uniformity: 7.2:1 (max/min)

FRONT VIEW
30 fc: ———
20 fc: - - - - -
10 fc: - - - - -

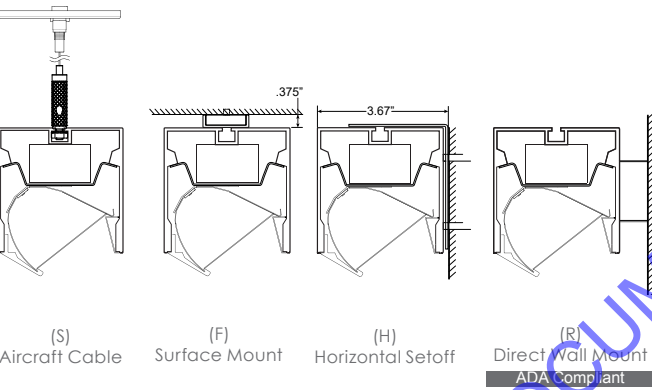


Light loss factors (LLF)

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY	
				ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000k	1.02	0.84	70 lm/W	58 lm/W
	3500k	1	0.83	69 lm/W	57 lm/W
	3000k	0.97	0.81	67 lm/W	56 lm/W
	2700k	0.94	0.79	65 lm/W	55 lm/W
LH (high)	4000k	1.02	0.84	71 lm/W	59 lm/W
	3500k	1	0.83	70 lm/W	58 lm/W
	3000k	0.97	0.81	68 lm/W	57 lm/W
	2700k	0.94	0.79	66 lm/W	55 lm/W
LS (standard)	4000k	1.02	0.84	78 lm/W	64 lm/W
	3500k	1	0.83	76 lm/W	63 lm/W
	3000k	0.97	0.81	74 lm/W	62 lm/W
	2700k	0.94	0.79	71 lm/W	60 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT	
				ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000k	1.02	0.84	915 lm/ft	753 lm/ft
	3500k	1	0.83	897 lm/ft	745 lm/ft
	3000k	0.97	0.81	870 lm/ft	727 lm/ft
	2700k	0.94	0.79	843 lm/ft	709 lm/ft
LH (high)	4000k	1.02	0.84	750 lm/ft	617 lm/ft
	3500k	1	0.83	735 lm/ft	610 lm/ft
	3000k	0.97	0.81	713 lm/ft	595 lm/ft
	2700k	0.94	0.79	691 lm/ft	581 lm/ft
LS (standard)	4000k	1.02	0.84	388 lm/ft	319 lm/ft
	3500k	1	0.83	380 lm/ft	315 lm/ft
	3000k	0.97	0.81	369 lm/ft	308 lm/ft
	2700k	0.94	0.79	357 lm/ft	300 lm/ft

Mounting



Mounting lengths



Maximum dimensions shown for suspension points, all aircraft cable mounting lengths are adjustable on site.

LINEAR DIMENSIONS

Nominal lengths in individual fixtures or joined to create continuous row lengths, minimum fixture lengths is 12 inches.

OPTICS

HTD™ lens is a high performance polycarbonate opal lens. An optimized surface texture plus advanced diffusing additives produce an impressive 93% transmission while eliminating LED hotspots.

LED LIGHT SOURCE

Custom manufactured linear board array uses high performance Nichia® LED in combination with a performance driven heat sink technology. Tested in accordance with LM79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 3000K, 3500K, and 4000K with 80+ CRI standard. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, High and Very High outputs. Refer to photometry for delivered lumens.

LED DIMMING DRIVER

Factory tuned constant current electronic 0-10V control dimming driver is standard. Specification grade dimming down to 1%. Driver life of 50,000 hrs with ambient operating temperature range of -20°C to 50°C, maximum case temperature of 80°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency.

MOUNTING

Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length, comes factory installed in fixture. 4-1/2" x 4-1/2" square white canopies. Cord strain also included. Power cord options available for aircraft cable. Black power cord provided for black and titanium finish, white power cord provided for all other fixture finishes unless otherwise specified.

Specify if other suspension length is required. Canopies provided as required for quantity of power feed and non power feed locations (crossbar included for power feed only). Specify if other shape, size, or color is required.

Direct wall mounting is ADA compliant. Factory pre-drilled holes can be tapped for 1/2" chase nipple, submit dimension requirements when ordering. The top groove of the fixture is used to mount the fixture and provides a firm and flexible mounting option. Factory pre-drilled hole for power feed can be drilled, submit dimension requirements when ordering.

Surface ceiling and wall mounting is offered with die-cast mounting blocks with sheet metal brackets used to provide a firm flexible mounting option in any orientation the system might be installed in. Submit whip length if required.

Horizontal Set-off brackets are used to offset fixture from a wall by 1" or 1/2". Wall side bracket attaches to horizontal single gang box on wall. Outside horizontal box is factory-installed to fixture side. Fixture side box hinges over wall bracket and two brackets are fastened together with set screw to secure fixture to wall. (2) brackets per fixture up to 12', on center spacing varies depending on overall fixture length.

FINISH

Electrostatically applied powder coat finish. Standard finish options include titanium, white, and black.

LISTING

UL/CUL rated for Damp Locations. Tested in accordance with UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE.

The ALD8ST is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

A-Light warrants that, for a period of five (5) years from the date of shipment to the original customer at the original installed location, each product will be free from any defects in material and workmanship which cause the product to fail to operate in accordance with the products' performance specifications as they exist at the time of shipment. This limited warranty is void under certain conditions. Please refer to the full terms and conditions on our website: www.alights.com/downloads/warranty/