

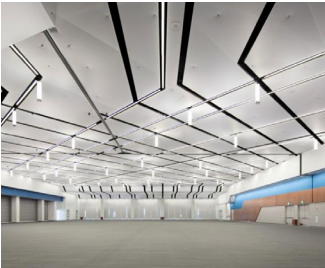
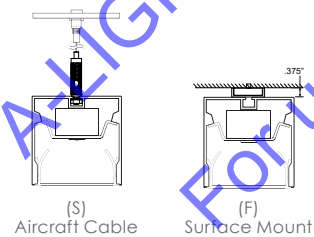


Performance

OUTPUT	DIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	HE Tech™	1323 lm/ft	13.5 W/ft	98 lm/W

Based on static white 35K HE Tech™ fixtures. For the complete photometric data of this fixture refer to page 2 and 3.

Mounting options



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.

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

ALD3ST						
SERIES	LENGTH	OUTPUT	LED CCT	CRI	VOLTAGE	DIRECT OPTICS
ALD3ST	Nominal Length ¹	LH High output LS Standard output C Custom output ¹	30 3000k 35 3500k 40 4000k	80+ CRI	U 120-277V	HE HE Tech™
¹ Specify in feet to the nearest foot (i.e. 12)						
¹ Contact Design Assist for custom tuning or non-standard light outputs.						

MOUNTING		FINISH		DIMMING		OTHER	
S Aircraft cable ¹ R Direct wall mount F Surface Mount ²		W White B Black T Titanium		D Standard 0-10V dimming ¹ NAIR nLight @AIR (dim-to-off) ²		FT Fast Track ¹	
Standard power cord exit point is 3" away from endcap. Contact Design Assist for custom location. Black power cord provided for satin black and titanium finish and white power cord provided for all other fixture finishes, unless otherwise specified. Not available in Wet Location.				¹ 1% Dimming standard unless otherwise specified. ² nLight AIR components completely integrated into fixture.		¹ Option must be in part number in order to be considered fast track.	

Light distribution

OUTPUT (DC)

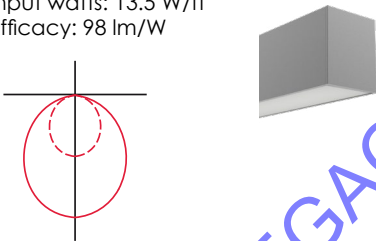
LVH : Very high output - 13 W/ft
LH: High output - 10.5 W/ft
LS: Standard output - 5 W/ft
C: Custom tuned output - Contact Design Assist

Photometric data

HE TECH™

LVH- 4FT- 3500K

Lumens: 1323 lm/ft
Input watts: 13.5 W/ft
Efficacy: 98 lm/W

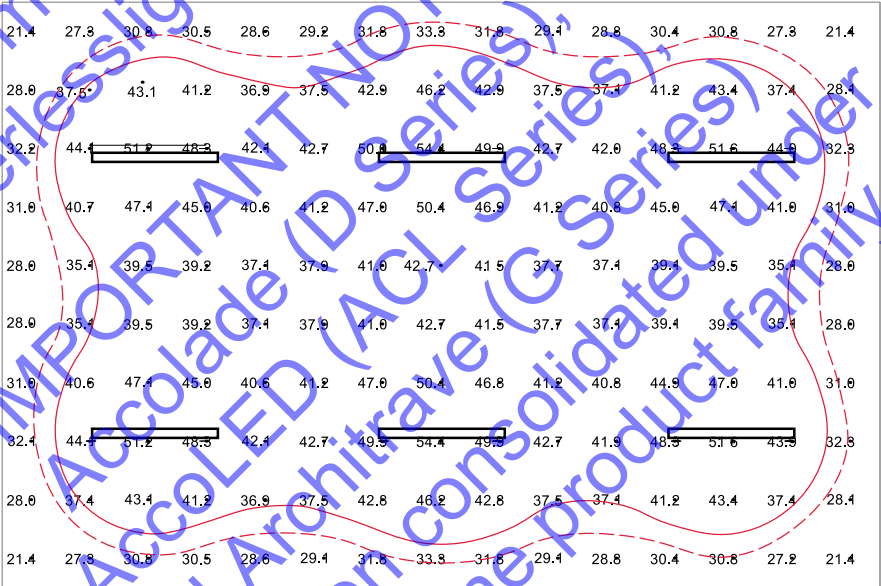


Sample installation - Workspace

LH DOWN - 3500K

Room dimensions: 20'L x 30'W x 12'H
Reflectance: 80% / 50% / 20%
Mounting height: 9 ft A.F.F.
Fixture length: 4 ft
Calculation grid: 2 ft x 2 ft
Calculation plane (horizontal): 2.5 ft A.F.F.
Average Illuminance: 38 fc
Fixture spacing: 8 ft x 10 ft
Uniformity: 1.6:1 (avg/min)

TOP VIEW
30 fc: ———
25 fc: - - - - -



Light loss factors (LLF)

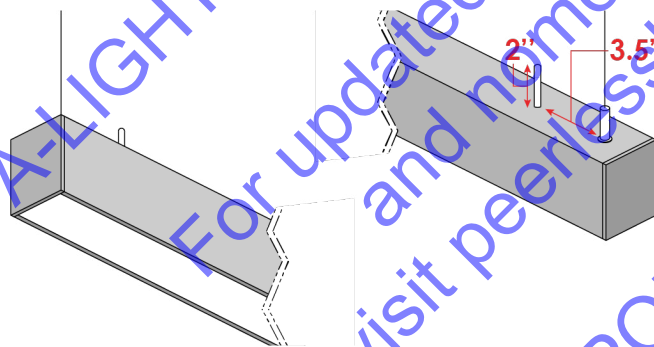
OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY	
				HE TECH™	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	100 lm/W	82 lm/W
	3500K	1	0.83	98 lm/W	81 lm/W
	3000K	0.97	0.81	95 lm/W	79 lm/W
	2700K	0.94	0.79	92 lm/W	77 lm/W
LH (high)	4000K	1.02	0.84	104 lm/W	86 lm/W
	3500K	1	0.83	102 lm/W	85 lm/W
	3000K	0.97	0.81	99 lm/W	83 lm/W
	2700K	0.94	0.79	96 lm/W	81 lm/W
LS (standard)	4000K	1.02	0.84	113 lm/W	93 lm/W
	3500K	1	0.83	111 lm/W	92 lm/W
	3000K	0.97	0.81	108 lm/W	90 lm/W
	2700K	0.94	0.79	104 lm/W	88 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT	
				HE TECH™	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1349 lm/ft	1111 lm/ft
	3500K	1	0.83	1323 lm/ft	1098 lm/ft
	3000K	0.97	0.81	1283 lm/ft	1072 lm/ft
	2700K	0.94	0.79	1244 lm/ft	1045 lm/ft
LH (high)	4000K	1.02	0.84	1092 lm/ft	900 lm/ft
	3500K	1	0.83	1071 lm/ft	889 lm/ft
	3000K	0.97	0.81	1039 lm/ft	868 lm/ft
	2700K	0.94	0.79	1007 lm/ft	846 lm/ft
LS (standard)	4000K	1.02	0.84	566 lm/ft	466 lm/ft
	3500K	1	0.83	555 lm/ft	461 lm/ft
	3000K	0.97	0.81	538 lm/ft	450 lm/ft
	2700K	0.94	0.79	522 lm/ft	438 lm/ft

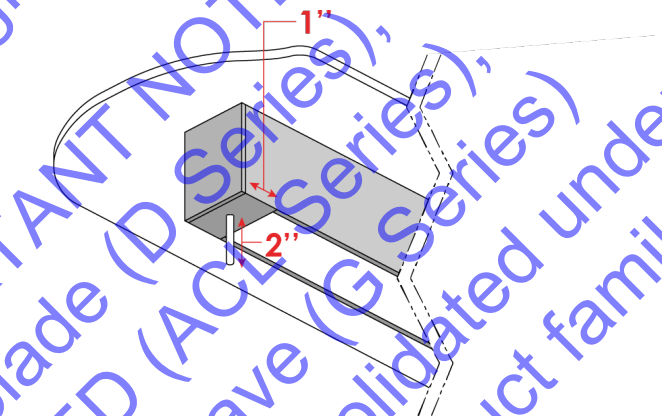
NLight dimensions

AIR : r10

AIR : r10 Surface

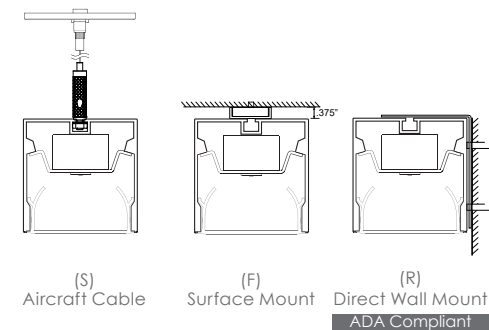


*Fixture mounted module for nLight AIR only.

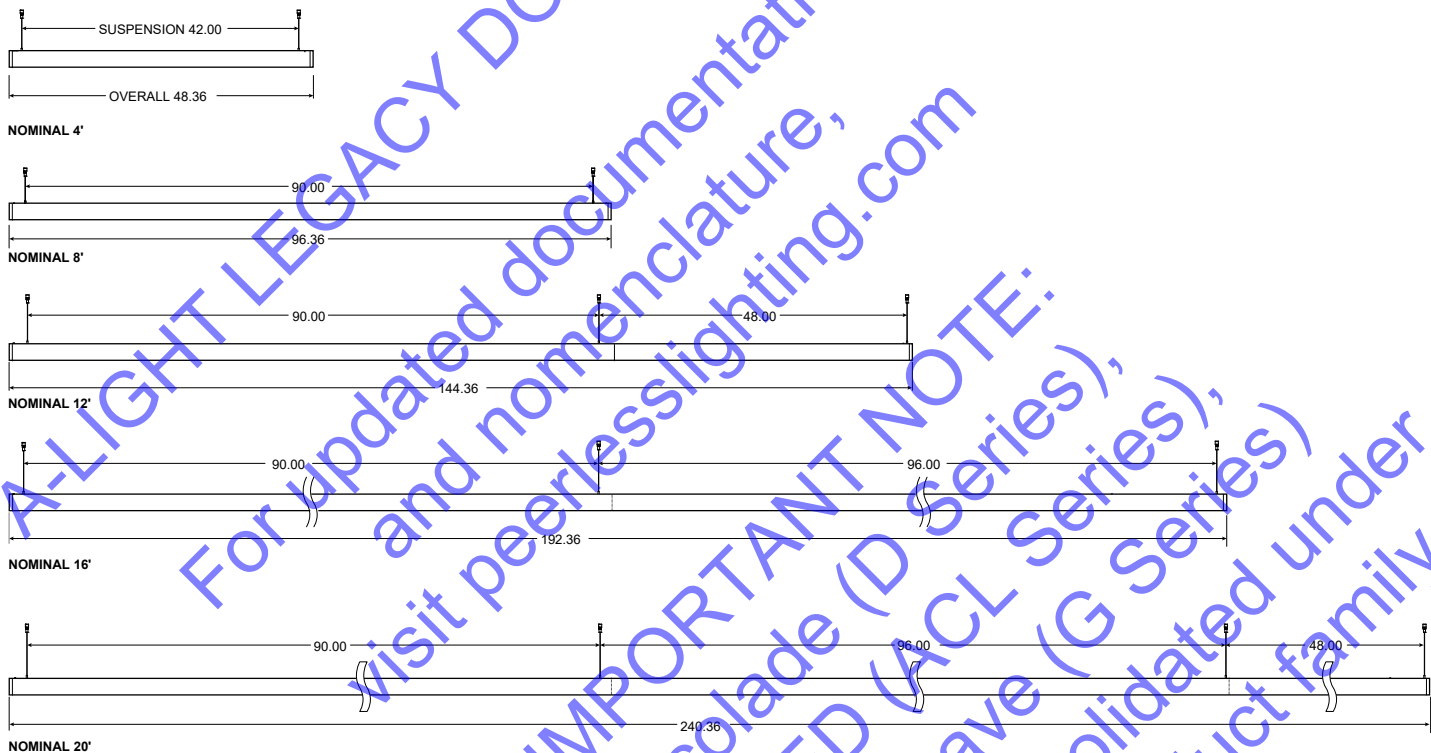


*Fixture mounted sensors and filler panel for nLight AIR only.

Mounting



Mounting lengths



LINEAR DIMENSIONS

Nominal length available as individual fixtures or joined to create continuous row lengths.

OPTICS

The high-efficiency extruded diffuse acrylic lens technology, patented HE Tech™, features an integrated opaque white reflector. It delivers superior lumen output with optimal uniform lens surface luminance for direct distribution.

Awash Kicker + WISP produces a soft asymmetric distribution with a diffuse white extruded acrylic lens.

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.

CONTROLS

Integrated nLight® for system networking wireless.

NLIGHT® AIR WIRELESS

The rIO model IS available for integration.

MOUNTING

Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length and adjustable suspension points to accommodate existing architecture, comes factory pre-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 another suspension length is required. Canopies provided as required for the quantity of power feed and non-power feed locations (crossbar included for power feed only). Specify if another shape, size, or color is required.

Direct wall mounting is ADA compliant. Fixture mounts directly to wall surface requiring field drilled mounting and power feed holes. Factory pre-drilled holes can be drilled and tapped for 1/2" chase nipple, submit dimension requirements when ordering.

Direct wall mounting bracket is used with the top groove of the fixture to mount flush to the wall surface to provide a firm flexible mounting option, requiring field drilled mounting and power feed hole. Factory pre-drilled hole for power feed can be drilled, submit dimension requirements when ordering.

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

FINISH

Electro-statically applied powder coat finish. Standard finish options include titanium, white, and black.

LISTING

UL/CUL rated for damp locations. Tested under UL 1598 and certified to CEC/CSA C22.1, NEC, ANSI/NFPA 70, and NOM-001-SEDE

UL Wet location label available. Complies with UL definition of wet locations to prevent the accumulation of water on live parts, electrical components, other conductor not identified for use in contact with water through the provision of weep holes. Waterproof connector to be provided by others. Installing contractor responsible for properly sealing and waterproofing all mounting and power feed locations.

The ALD3ST is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA), Build America, Buy America (BABA) 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