

ACL2ST

ACL2ST combines clean lines with high performance direct and indirect distribution, for a functional and aesthetically pleasing slim profile.

WET

Location

nLIGHT

Controls

HE

Tech Lens

eldoLED

Drivers

ADA

Compliant

Buy American

BABA

Certified

Performance

OUTPUT	DIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	HE Tech™	1242 lm/ft	13 W/ft	92 lm/W

OUTPUT	INDIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	Asymmetric	1521 lm/ft	13 W/ft	117 lm/W
	Batwing Wide	1526 lm/ft	13.5 W/ft	113 lm/W
	Dust Cover	1445 lm/ft	13.5 W/ft	107 lm/W

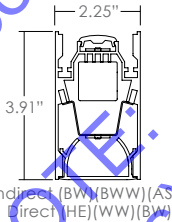
Based on static white 35K fixtures. For the complete photometric data of this fixture refer to page 3.

Mounting options

(S)
Aircraft Cable

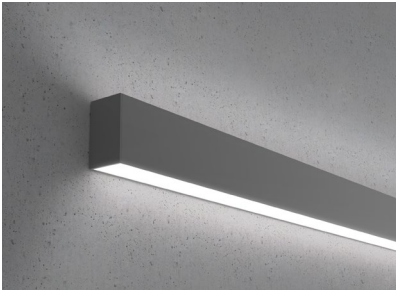
(R)
Direct Wall Mount
ADA Compliant

Dimensions



Distribution 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" specs sheet.

ACL2ST						
SERIES	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	CRI	VOLTAGE	DISTRIBUTION
ACL2ST	Nominal Length ¹	ILS Indirect LED Standard ILH Indirect LED High ILVH Indirect LED Very High IC_ Indirect LED Custom ¹ + DLS Direct LED Standard DLH Direct LED High DLVH Direct LED Very High DC Direct LED Custom ¹	30 3000k 35 3500k 40 4000k	80+ CRI	U 120-277V	D Indirect Lambertian Dust Cover BW Indirect Batwing Wide ¹ ASY Indirect Asymmetric + HE Direct 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.		¹ Not recommended for wall mount.		

MOUNTING	FINISH	CIRCUITING	DIMMING	OPTIONS
S Aircraft cable ¹ R Direct wall mount ²	W White B Black T Titanium	1 One circuit ¹	D Standard 0-10V dimming ¹ NAIR nLight @AIR (dim-to-off) ²	R Right end cap feed L Left end cap feed Q Wet location ¹
Black power cord provided for black and titanium finish. 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 unavailable with wet location and indirect dust cover or indirect batwing extra-wide distribution.		¹ 1% dimming standard unless otherwise specified. ² nLight AIR components completely integrated into fixture.		¹ Not available with aircraft cable, adjustable direct wall mount not horizontal self-off bracket. Wet location suitable in full coverage and/or motion mounted applications (direct to sky not recommended); not suitable for extreme weather applications. Please refer to Location brochure and contact Design Assist for more information. Dust cover must be specified for uplight.

OTHER
FT Fast Track ¹
¹ Option must be in part number in order to be considered fast track.

Light distribution

DISTRIBUTION

Direct Lambertian HE Tech™

Indirect Lambertian
Indirect Batwing wide
Indirect Asymmetric

OUTPUT (DC)

ILVH: Uplight very high output - 13 W/ft
ILH: Uplight high output - 10.5 W/ft
ILS: Uplight standard output - 5 W/ft
C: Custom tuned output - Contact Design AssistDLVH: Downlight very high output - 13 W/ft
DLH: Downlight high output - 10.5 W/ft
DLS: Downlight standard output - 5 W/ft
C: Custom tuned output - Contact Design Assist

Light loss factors (LLF) - Direct data

OUTPUT	CCT	LLF RATIO		HE TECH	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	94 lm/W	77 lm/W
	3500K	1	0.83	92 lm/W	76 lm/W
	3000K	0.97	0.81	89 lm/W	75 lm/W
	2700K	0.94	0.79	86 lm/W	73 lm/W
LH (high)	4000K	1.02	0.84	98 lm/W	81 lm/W
	3500K	1	0.83	96 lm/W	80 lm/W
	3000K	0.97	0.81	93 lm/W	78 lm/W
	2700K	0.94	0.79	90 lm/W	76 lm/W
LS (standard)	4000K	1.02	0.84	106 lm/W	87 lm/W
	3500K	1	0.83	104 lm/W	86 lm/W
	3000K	0.97	0.81	101 lm/W	84 lm/W
	2700K	0.94	0.79	98 lm/W	82 lm/W

OUTPUT	CCT	LLF RATIO		HE TECH	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1267 lm/ft	1043 lm/ft
	3500K	1	0.83	1242 lm/ft	1031 lm/ft
	3000K	0.97	0.81	1205 lm/ft	1006 lm/ft
	2700K	0.94	0.79	1167 lm/ft	981 lm/ft
LH (high)	4000K	1.02	0.84	1028 lm/ft	847 lm/ft
	3500K	1	0.83	1008 lm/ft	837 lm/ft
	3000K	0.97	0.81	978 lm/ft	816 lm/ft
	2700K	0.94	0.79	948 lm/ft	796 lm/ft
LS (standard)	4000K	1.02	0.84	530 lm/ft	437 lm/ft
	3500K	1	0.83	520 lm/ft	432 lm/ft
	3000K	0.97	0.81	504 lm/ft	421 lm/ft
	2700K	0.94	0.79	489 lm/ft	411 lm/ft

Light loss factors (LLF) - Indirect data

OUTPUT	CCT	LLF RATIO		INDIRECT EFFICACY					
		CRI 80	CRI 90	ASYMMETRIC		BATWING WIDE		LAMBERTIAN (DUST COVER)	
				CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	119 lm/W	98 lm/W	115 lm/W	95 lm/W	109 lm/W	90 lm/W
	3500K	1	0.83	117 lm/W	97 lm/W	113 lm/W	94 lm/W	107 lm/W	89 lm/W
	3000K	0.97	0.81	113 lm/W	95 lm/W	110 lm/W	92 lm/W	104 lm/W	87 lm/W
	2700K	0.94	0.79	110 lm/W	92 lm/W	106 lm/W	89 lm/W	101 lm/W	85 lm/W
LH (high)	4000K	1.02	0.84	126 lm/W	104 lm/W	120 lm/W	99 lm/W	114 lm/W	94 lm/W
	3500K	1	0.83	124 lm/W	103 lm/W	118 lm/W	98 lm/W	112 lm/W	93 lm/W
	3000K	0.97	0.81	120 lm/W	100 lm/W	114 lm/W	96 lm/W	109 lm/W	91 lm/W
	2700K	0.94	0.79	117 lm/W	98 lm/W	111 lm/W	93 lm/W	105 lm/W	88 lm/W
LS (standard)	4000K	1.02	0.84	131 lm/W	108 lm/W	131 lm/W	108 lm/W	124 lm/W	102 lm/W
	3500K	1	0.83	128 lm/W	106 lm/W	128 lm/W	106 lm/W	122 lm/W	101 lm/W
	3000K	0.97	0.81	124 lm/W	104 lm/W	124 lm/W	104 lm/W	118 lm/W	99 lm/W
	2700K	0.94	0.79	120 lm/W	101 lm/W	120 lm/W	101 lm/W	115 lm/W	96 lm/W

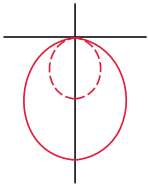
OUTPUT	CCT	LLF RATIO		INDIRECT LUMEN OUTPUT					
		CRI 80	CRI 90	ASYMMETRIC		BATWING WIDE		LAMBERTIAN (DUST COVER)	
				CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1551 lm/ft	1278 lm/ft	1556 lm/ft	1281 lm/ft	1473 lm/ft	1213 lm/ft
	3500K	1	0.83	1521 lm/ft	1262 lm/ft	1526 lm/ft	1266 lm/ft	1445 lm/ft	1199 lm/ft
	3000K	0.97	0.81	1475 lm/ft	1232 lm/ft	1480 lm/ft	1236 lm/ft	1401 lm/ft	1170 lm/ft
	2700K	0.94	0.79	1430 lm/ft	1202 lm/ft	1434 lm/ft	1205 lm/ft	1358 lm/ft	1141 lm/ft
LH (high)	4000K	1.02	0.84	1265 lm/ft	1042 lm/ft	1264 lm/ft	1041 lm/ft	1200 lm/ft	988 lm/ft
	3500K	1	0.83	1240 lm/ft	1029 lm/ft	1239 lm/ft	1028 lm/ft	1176 lm/ft	976 lm/ft
	3000K	0.97	0.81	1203 lm/ft	1004 lm/ft	1202 lm/ft	1004 lm/ft	1141 lm/ft	953 lm/ft
	2700K	0.94	0.79	1166 lm/ft	980 lm/ft	1165 lm/ft	979 lm/ft	1105 lm/ft	929 lm/ft
LS (standard)	4000K	1.02	0.84	653 lm/ft	538 lm/ft	653 lm/ft	538 lm/ft	622 lm/ft	512 lm/ft
	3500K	1	0.83	640 lm/ft	531 lm/ft	640 lm/ft	531 lm/ft	610 lm/ft	506 lm/ft
	3000K	0.97	0.81	621 lm/ft	518 lm/ft	621 lm/ft	518 lm/ft	592 lm/ft	494 lm/ft
	2700K	0.94	0.79	602 lm/ft	506 lm/ft	602 lm/ft	506 lm/ft	573 lm/ft	482 lm/ft

Photometric data

HE TECH™

LVH- 4FT- 3500K

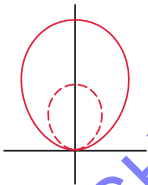
Lumens: 1242 lm/ft
Input watts: 13.5 W/ft
Efficacy: 92 lm/W



INDIRECT LAMBERTIAN

LVH- 4FT- 3500K

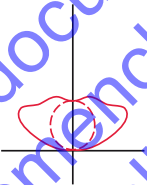
Lumens: 1418 lm/ft
Input watts: 13.5 W/ft
Efficacy: 105 lm/W



INDIRECT BATWING WIDE

LVH- 4FT- 3500K

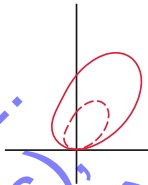
Lumens: 1526 lm/ft
Input watts: 13.5 W/ft
Efficacy: 113 lm/W



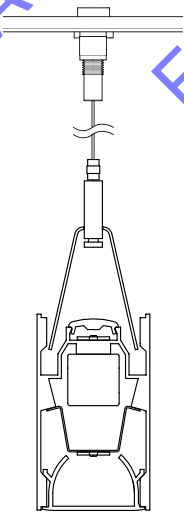
INDIRECT ASYMMETRIC

LVH- 4FT- 3500K

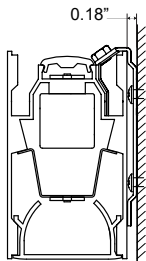
Lumens: 1521 lm/ft
Input watts: 13 W/ft
Efficacy: 117 lm/W



Mounting



(S)
Aircraft Cable



(R)
Direct Wall Mount
ADA Compliant

Nlight dimensions

AIR: NO



*Module for nlight AIR only

LINEAR DIMENSIONS

Nominal or exact lengths to the nearest 1/8th of an inch 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.

Indirect distributions are offered with high efficiency TIR lenses, and are used to provide high quality precision optics. The output option offered are Batwing wide, and Asymetric in (to orient light inside the profile) and Asymetric out (to orient light outside the profile).

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 LM-79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 3000K, 3500K, and 4000K with 80+ CRI standard available. 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, 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 with power feed canopy only). Specify if other 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.

FINISH

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

WARRANTY

Limited defect-free manufactured equipment warranty provided under normal use and proper storage for five (5) years. LED products (LED boards and drivers) will be covered for five (5) years. Please refer to the full terms and conditions on our website: www.qlights.com/downloads/warranty/

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 ACL2ST is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA), Build American, Buy America (BABA), government procurement requirements under FAR, DFARS, and DOTS.