

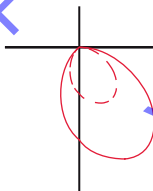


PERFORMANCE

OUTPUT	NOMINAL		
	LUMEN OUTPUT	INPUT WATTS	EFFICACY
LH (High)	404 lm/ft	9.6 W/ft	43 lm/W
LS (Standard)	202 lm/ft	5 W/ft	41 lm/W

Based on static white 55K Tri-formed lens fixtures. For the complete photometric data of this fixture, refer to page 3.

LENS OPTIONS



Tri-formed Self-shielding
Lens
(TR)

ACL8ST

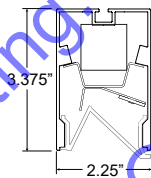
Direct - Suspended - Surface - Wall

ACL8ST combines clean lines with high performance direct asymmetric distribution, for a functional and aesthetically pleasing slim profile.

Replacement of ACCOLED - ACL8

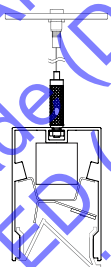
- Individual units and continuous runs in exact lengths.
- Adjustable mounting options for ease of installation
- Custom color options.
- Quickship nominal options.
- ADA compliant mounting options.

DIMENSIONS

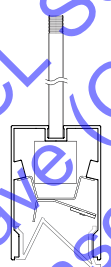


Tri-formed Self-shielding
Lens (TR)

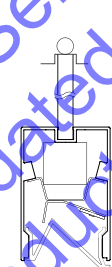
MOUNTING OPTIONS



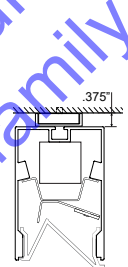
(S)
Aircraft Cable



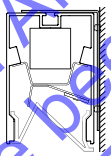
(R)
Rigid Stem



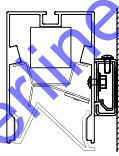
(PV)
Swivel Stem



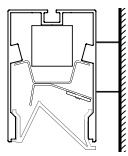
(F)
Surface Mount



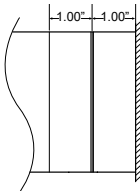
(R)
Direct Wall Mount
ADA Compliant



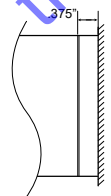
(M)
Mullion Blocks
ADA Compliant



(H)
Horizontal Setoff
ADA Compliant



(J)
Span



(JS)
Partial Span

PERFORMANCE AT 3500K

OUTPUT	NOMINAL		
	LUMEN OUTPUT	INPUT WATTS	EFFICACY
LH (High)	404 lm/ft	9.6 W/ft	43 lm/W
LS (Standard)	202 lm/ft	5 W/ft	41 lm/W

Custom tuned output available from 25% to 125% of high output. Please consult factory for custom lumen output and wattage.

PROJECT INFORMATION

Project Info

Date

Type

Quantity

Need help? Don't see what you need?
Please reach out to our factory for any specific request or questions you have. Our talented Design Assist team at: designassist@alights.com

ACL8ST

TF

ACL8ST						TF
SERIES	LENGTH	OUTPUT	LED CCT	LED CRI	VOLTAGE	DIRECT ASYMMETRIC OPTICS
ACL8ST	Nominal Length* M_ Exact Length**	LS Standard Output LH High Output C_ Custom Output*	27 2700K 30 3000K 35 3500K 40 4000K TW Tunable White DW Dim-to-warm*	80+ CRI 90+ CRI	U 120V - 277V 3 347V	TF Tri-Formed Self-Shielding Lens
*Specify in feet to the nearest foot (i.e. 12) **Specify in inches to the nearest 1/8 (i.e. M180.125)		*Available from 25% to 125% of LED High Output.		* Standard CCT range is 27K-50K. Contact design assist for custom range.		*Not offered with (TW) Tunable white or (DW) Dim-to-warm.
						*For wall mountings beam direction points away of wall. Contact Design assist for different optic direction.

MOUNTING		FINISH		DIMMING		EMERGENCY	
S	Aircraft Cable*	T	Titanium	D	Standard 0-10V dimming*	EC	Emergency - circuited
P	Rigid Stem**	W	White	D1	HiLume Ecosystems 1% (LDEI)	E	Emergency - battery*
PV	Swivel Stem**	B	Black	D2	Phase dimming**		
R	Direct Wall Mount	O	Other*	D3	DMX 0-1% dim-to-dark		
M	Mullion Blocks***			D4	DALI dim-to-off		
H	Horizontal Setoff Bracket***			NAIR	nLight @AIR (dim-to-off)***		
F	Surface Mount****			NWIR	nLight @Wired (dim-to-off)		
JS	Partial Span						
J	Full Span						

OPTIONS

M Multi-Circuit*

R Right Endcap Feed

L Left Endcap Feed

K Natatorium Application**

Q Wet Location***

MRI MRI

*Submit multi-circuiting requirements

**Not available with aircraft cable. See guide and contact Design Assist.

***Client must specify power feed location. Not available with aircraft cable. Wet location suitable in full coverage and/or mullion mounted applications (direct to sky not recommended); not suitable for extreme weather applications. Refer to Wet Location brochure and contact Design Assist for more information.

LIGHT DISTRIBUTION

DISTRIBUTION	OUTPUT
Direct Asymmetric	LH: High output - 10 W/ft LS: Standard output - 5 W/ft C: Custom tuned output - Contact Design Assist

PHOTOMETRIC DATA

DIRECT ASYMMETRIC
LH - 4FT - 3500K - TRI-FORMED LENS

Lumens: 404 lm/ft
Input watts: 9.6 W/ft
Efficacy: 43 lm/W

LH: 
LS: 



SAMPLE INSTALLATION - ACCENT WALL

LH DOWN - 4000K

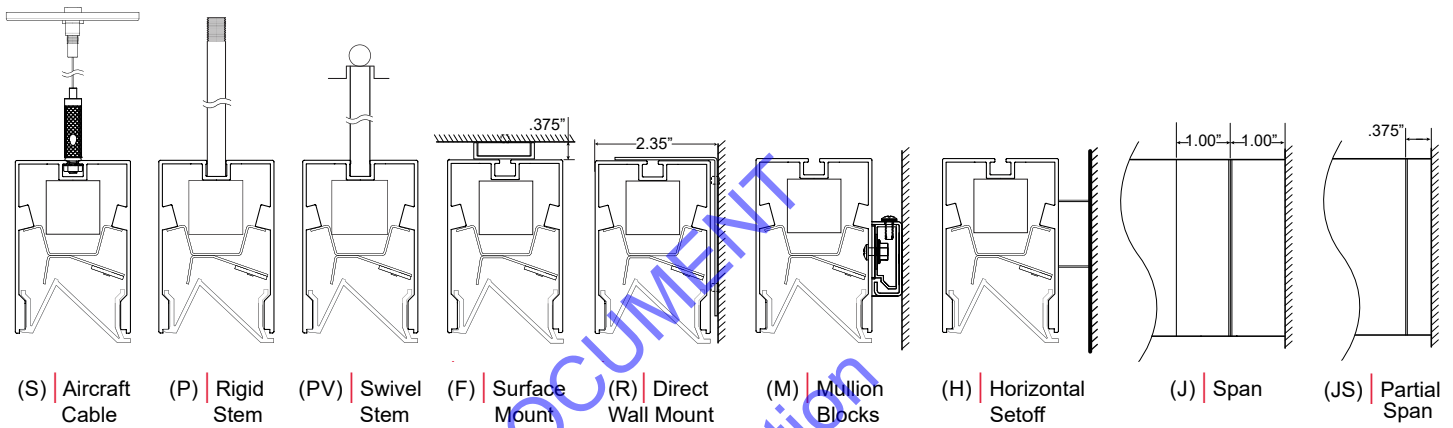
Wall height: 9' ft
Reflectance: 80% / 50% / 20%
Mounting height: 8 ft A.F.F.
Distance from wall: 2.5 ft
Fixture length: 12 ft
Calculation grid: 1 ft x 1 ft
Calculation plane (Vertical): On wall
Average Illuminance (Ev): 12 fc
Uniformity: 6.0:1 (max/min)

FRONT VIEW
30 fc: 
20 fc: 
10 fc: 

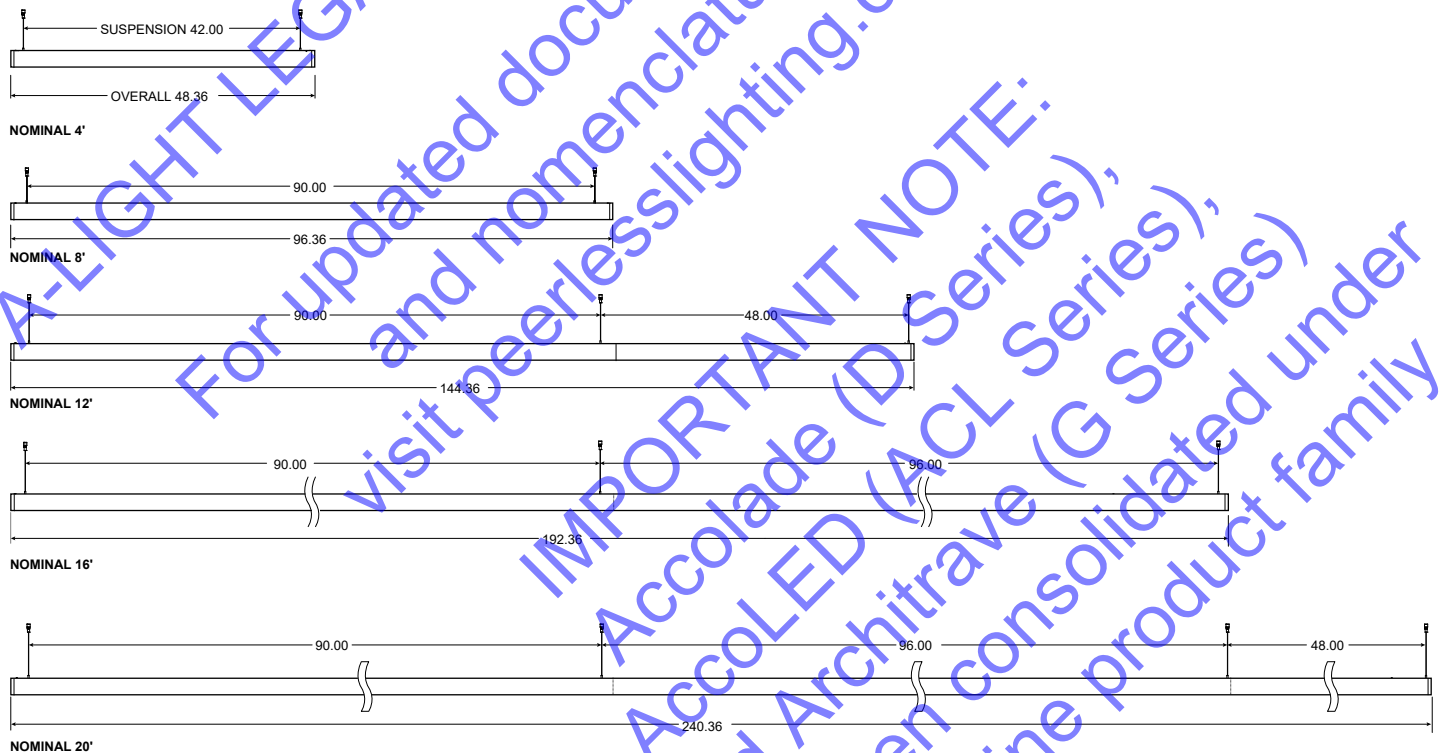


LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	DIRECT			
		%	CRI 80 +	%	CRI 90 +
LH (High)	4000k	100%	413 lm/ft	88.3%	365 lm/ft
	3500k	97.9%	404 lm/ft	85.4%	353 lm/ft
	3000k	94.2%	389 lm/ft	80.7%	333 lm/ft
	2700k	90.6%	374 lm/ft	76.5%	316 lm/ft
LS (Standard)	4000k	100%	206 lm/ft	88.3%	182 lm/ft
	3500k	97.9%	202 lm/ft	85.4%	176 lm/ft
	3000k	94.2%	194 lm/ft	80.7%	166 lm/ft
	2700k	90.6%	187 lm/ft	76.5%	158 lm/ft



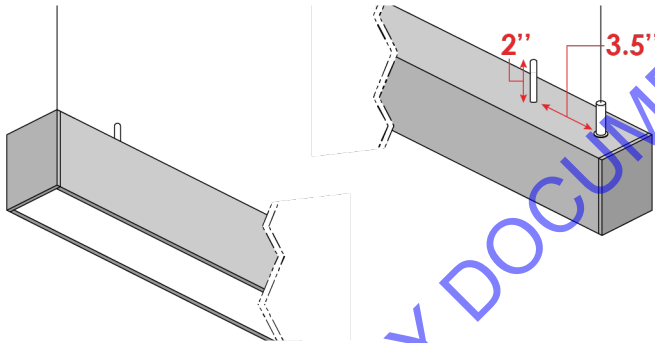
MOUNTING LENGTHS



Maximum dimensions shown for suspension points. All aircraft cable mounting lengths are adjustable on site.
 *For nLight AIR applications: gripper needs to be at least 3.5" from the antenna. Refer to nLight dimensions section for more details.

NLIGHT® DIMENSIONS

AIR : r10



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

A-LIGHT LEGACY DOCUMENT

For updated documentation,
and nomenclature,
visit peerlesslighting.com

IMPORTANT NOTE:
Accolade (D Series),
AccoLED (ACL Series),
and Architrave (G Series)
have been consolidated under
the Pierline product family.

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, minimum fixture lengths is 12 inches. Patterns comprised of 90 degree precisely welded fully illuminated corners provide a multitude of geometric options and architectural transitions.

Custom - Contact [Design Assist](#) for modifications to product not detailed within specification sheets.

OPTICS

Tri-Formed self-shielding lens: Cutting edge extruded acrylic lens technology is achieved with the tri-formed self-shielding lens. A linear spread diffuser, opaque white reflector, and black absorber combine to deliver a soft direct asymmetric distribution with effective backlight control from a single alluring optical element.

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. 2700K, 3000K, 3500K, and 4000K with 80+ CRI standard; other color temperatures and 90+ CRI available upon request, contact factory. LED color variation maintained at a 3-step MacAdam ellipse (SDCM 3x). LEDs are available in Standard, and High outputs. Refer to photometry for delivered lumens. Custom output available in the range 25% to 125% of high output, contact factory.

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. Other available drivers include Lutron Hi-lume 1% EcoSystem LED Driver (LDE1) with Soft On, Fade to Black dimming technology; and DALI protocol drivers. Other Lutron and specialty drivers available, contact factory.

EMERGENCY

This luminaire is provided with a factory installed LED emergency lighting battery pack for both normal and emergency operation, 120-277v only. This fixture integrated unit contains long-life Ni-Cad recyclable battery, 24 hour charger, and converter circuit. Test switch and charge indicator provided. Test button to be remote located within 3 feet of the luminaire, in accordance with local code. Emergency mode provides constant power to a nominal 12W LED load for a period of 90 minutes, delivering 1200 lumens of unwavering illumination throughout the full 90 minute emergency duration. Unless otherwise specified, the emergency battery pack will illuminate one 2 foot end in the direct portion of the fixture. Not available in fixtures <4ft'.

Emergency circuiting provided as a separate circuit from normal power circuit according to NEC requirements, specify circuit length and location.

CONTROLS

The integrated API smart sensor is part of each luminaire in the nLight® AIR network, which can be grouped to control multiple luminaires. The rIO and nIO models are available for integration.

nLight enabled, remote mounted controls provided by others. Please contact an Acuity controls representative for more information.

MOUNTING

Suspension with aircraft cables or pendant stems, and full or partial span mounting available.

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.

Rigid pendant stem-set includes 1/4" hollow white threaded rod for suspension and power feed. Factory pre-drilled power feed and tapped holes, submit dimension requirements when ordering. Standard specification length, 6" minimum. 5" square mono point white canopies.

Swivel stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 6" in minimum, 5" in square mono point white 45-degree angle swivel stem. Factory pre-drilled power feed and tapped holes, submit dimension requirements when ordering.

Specify if another suspension length is required. Canopies provided as required for the quantity of power feed and non-power feed locations (crossbar included). Specify if another 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.

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.

Mullion die-cast mounting blocks with sheet metal offset box are used to mount fixture to a horizontal or vertical window mullion and can also be used to offset fixture from wall providing flexible mounting option in horizontal orientation of 1.5" in. 1/2" deep die-cast aluminum blocks with 1/2" or 1" sheet metal deep box are available standard, 1 1/2" and 2" deep blocks also available upon request. (2) kit blocks provided for fixtures 8ft or less, fixtures larger

than 8ft provided with (3) kit blocks every 12ft. Power feed holes pre-drilled and pre-installed mullion blocks parts at factory, submit dimension requirements when ordering.

Horizontal Set-off brackets are used to offset fixture from a wall by 1" or ½". 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.

Full span mounting conditions utilize special expansion joint end caps to mount fixture to the wall (blocking required) and feed power through the end cap, specify end feed location. Additional attachment hardware provided as required depending on partial span condition. Provide architectural details at time of ordering for inclusion in factory shop drawings; field verified dimensions required for full span mounting.

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Flat or flanged aluminum end caps. Aluminum joiner brackets. 2 lbs/ft approximate fixture weight.

FINISH

Electro-statically applied powder coat finish. Standard finish options include titanium, white, and black. Other colors and custom finish options available, specify RAL# or contact factory regarding custom finish requirement.

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.

UL Wet location label available. Complies with UL definition of wet locations to prevent accumulation of water on live parts, electrical components, or 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 field drilled mounting and power feed locations.

The ACL8ST is assembled in the U.S.A. and comply with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

Please refer to the full terms and conditions on our website:
<https://www.alights.com/downloads/warranty/>