

ORDERING CODE

**ACL4**

**D**

PROJECT INFO

TYPE

DATE

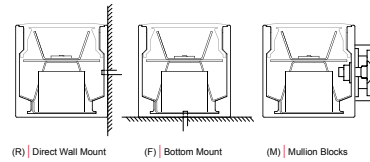
QUANTITY

PERFORMANCE AT 4000K

OUTPUT	DISTRIBUTION	NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
High	Symmetric Wide	673 lm/ft	9 W/ft	75 lm/W
	Symmetric Narrow	912 lm/ft	9.6 W/ft	95 lm/W
	Asymmetric	670 lm/ft	9.6 W/ft	70 lm/W
Standard	Symmetric Wide	352.5 lm/ft	5 W/ft	74 lm/W
	Symmetric Narrow	456 lm/ft	5 W/ft	95 lm/W
	Asymmetric	335 lm/ft	5 W/ft	70 lm/W

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

MOUNTING OPTIONS



ACL4	SERIES	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE
ACL4	M_	Nominal Length* 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
	PL_	"L" Shape***				
	PU_	"U" Shape***				
	PR_	Rectangle / Square***				
	CP	Custom Pattern****				
		<small>*Specify in feet to the nearest foot (i.e. 12) **Specify in inches to then nearest 1/8 (i.e. M180.125) ***Specify in inches to the nearest 1/8 (See Pattern Guide for configurations) ****Contact Design Assist</small>	<small>*Available from 25% to 125% of LED High Output</small>	<small>*Standard CCT range is 27-50K. Contact Design Assist for custom range</small>	<small>*Not available with (TW) Tunable White or (DW) Dim-to-Warm.</small>	

INDIRECT DISTRIBUTION	INDIRECT OPTICS	MOUNTING	FINISH	DIMMING	EMERGENCY
M Symmetric Wide* G Symmetric Narrow N Asymmetric	D Rigid Diffuse Dust Cover	R Direct Wall Mount F Bottom / Surface Mount M_ Mullion Blocks*	T Titanium W White B Black O_ Other*  <div style="display: flex; justify-content: space-between;"> <div> <span>CBD</span> <span>SPN</span> <span>SCY</span> <span>SMN</span> </div> <div> <span>SFH</span> <span>SDW</span> <span>LME</span> </div> </div> <small>*Specify RAL#</small>	D Standard 0-10V dimming* D2 Phase dimming** D3 DMX 0.1% dim-to-dark D4 DALI dim-to-off	EC Emergency - circuited E_ Emergency - battery*  <small>Not available for 347V. See technical data for more information. Not available on fixtures &lt; 4' length. *Factory-installed emergency battery pack. Specify desired quantity of batteries.</small>
<small>*Not recommended for wall mount</small>		<small>*Enter "1" for 1" depth. Enter "5" for 1/2" depth</small>		<small>*Dimming to 1% stated for standard 0-10V dimming **Reference ERP-PHB driver for compatible dimmers.</small>	

OPTIONS	
M	Multi-Circuit*
R	Right Endcap Feed
L	Left Endcap Feed
K	Natatorium Application**
Q	Wet Location***
MRI	MRI****
<small>*Submit multi-circuiting requirements **Not available with aircraft cable. See guide and contact Design Assist. Special hardware is utilized for this rating. ***Client must specify power feed location. 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. ****Review MRI brochure for more information.</small>	

LIGHT OUTPUT

DISTRIBUTION

Indirect Symmetric Wide  
 Indirect Symmetric Narrow  
 Indirect Asymmetric

OUTPUT

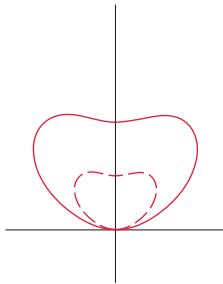
LH: High output - 10 W/ft  
 LS: Standard output - 5 W/ft  
 C: Custom tuned output - Specify Wattage

PHOTOMETRIC DATA

INDIRECT SYMMETRIC WIDE  
 ILH - 4000K - DUST COVER

Lumens: 673 lm/ft  
 Input watts: 9 W/ft  
 Efficacy: 75 lm/W

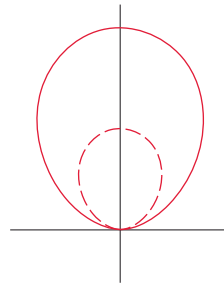
ILH ———  
 ILS - - - -



INDIRECT SYMMETRIC NARROW  
 ILH - 4000K - DUST COVER

Lumens: 912 lm/ft  
 Input watts: 9.6 W/ft  
 Efficacy: 95 lm/W

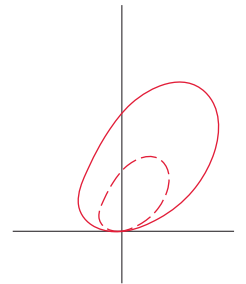
ILH ———  
 ILS - - - -



INDIRECT ASYMMETRIC  
 ILH - 4000K - DUST COVER

Lumens: 670 lm/ft  
 Input watts: 9.6 W/ft  
 Efficacy: 70 lm/W

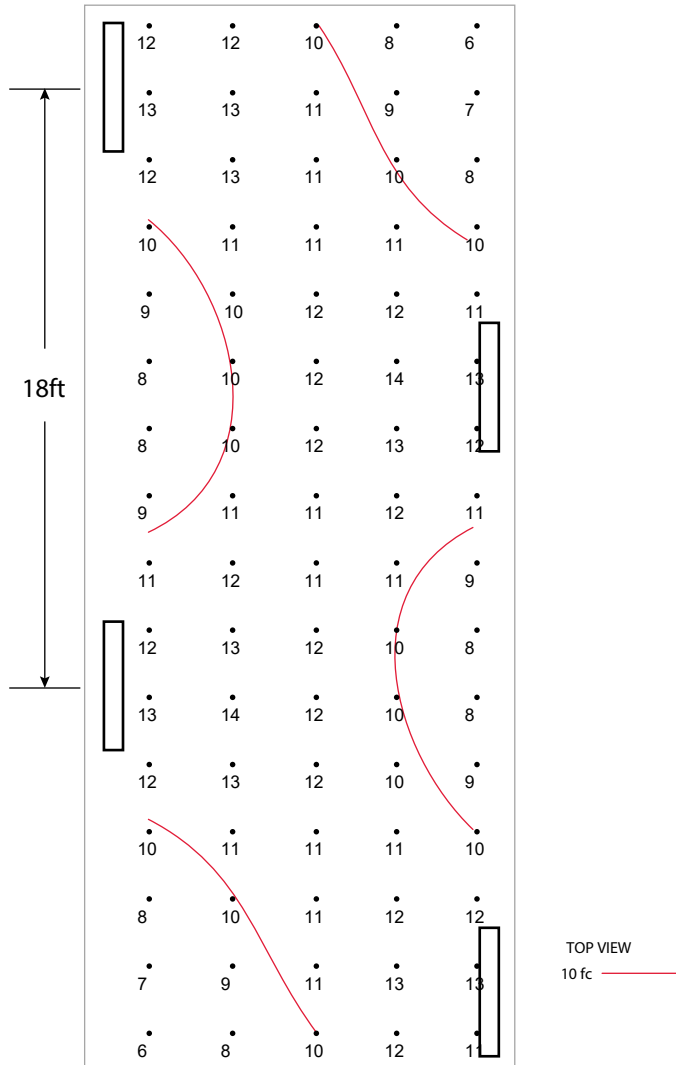
ILH ———  
 ILS - - - -



SAMPLE INSTALLATION - WORKSPACE

SYM. WIDE - ILH / 4000K

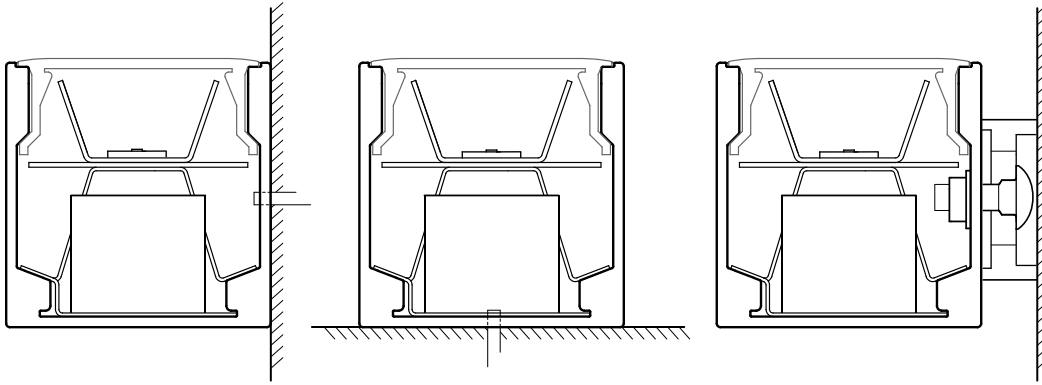
Room dimensions: 32 ft x 10 ft x 9 ft  
 Reflectance: 80% / 50% / 20%  
 Mounting height: 7 ft A.F.F.  
 Fixture length: 4 ft  
 Calculation grid: 2 ft x 2 ft  
 Calculation plane (horizontal): 2.5 ft A.F.F.  
 Average Illuminance: 11 fc  
 Fixture spacing: 18 ft O.C.  
 Uniformity: 1.8:1 (avg/min)



LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	INDIRECT					
		SYMMETRIC WIDE		SYMMETRIC NARROW		ASYMMETRIC	
		CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +
LH <small>(high)</small>	4000k	673 lm/ft	594 lm/ft	912 lm/ft	805 lm/ft	670 lm/ft	592 lm/ft
	3500k	659 lm/ft	575 lm/ft	893 lm/ft	779 lm/ft	656 lm/ft	572 lm/ft
	3000k	634 lm/ft	543 lm/ft	859 lm/ft	736 lm/ft	631 lm/ft	541 lm/ft
	2700k	610 lm/ft	515 lm/ft	826 lm/ft	698 lm/ft	607 lm/ft	513 lm/ft
LS <small>(standard)</small>	4000k	353 lm/ft	311 lm/ft	456 lm/ft	403 lm/ft	335 lm/ft	296 lm/ft
	3500k	345 lm/ft	301 lm/ft	446 lm/ft	389 lm/ft	328 lm/ft	286 lm/ft
	3000k	332 lm/ft	284 lm/ft	430 lm/ft	368 lm/ft	316 lm/ft	270 lm/ft
	2700k	319 lm/ft	270 lm/ft	413 lm/ft	349 lm/ft	304 lm/ft	256 lm/ft

Factors above for high output (LH).  
For standard output (LS) -50%.

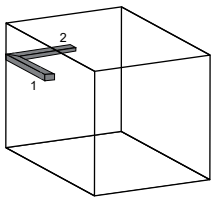


(R) | Direct wall mount

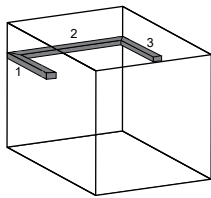
(F) | Bottom mount

(M) | Mullion blocks

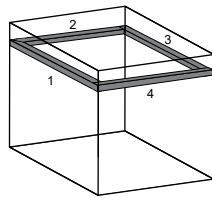
STANDARD PATTERNS



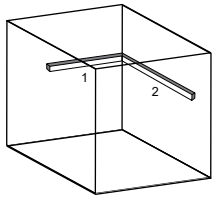
(PL)



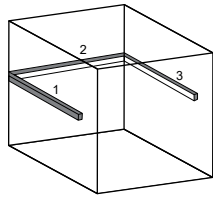
(PU)



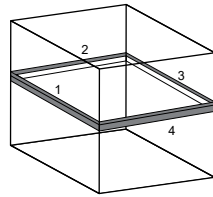
(PR)



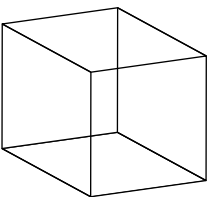
(PLWW) | Wall to wall



(PUWW) | Wall to wall



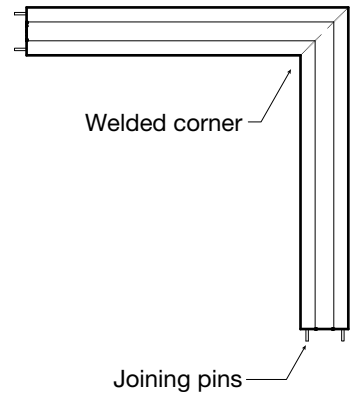
(PRWW) | Rectangle wall to wall



(CP) | Custom pattern

\*Contact Design Assist

CORNER DETAIL



## 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 this specification sheet.

## OPTICS

A rigid partially diffuse extruded dust cover lens optimized for indirect LED performance delivers 92% transmittance.

## 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 Low, 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.

## 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, by others 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.

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

## CONTROLS

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

## MOUNTING

Bottom and Direct Wall mounting is ADA compliant. Fixture mounts directly to 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.

Mullion Blocks are used to mount fixture to a horizontal or vertical window mullion and can also be used to offset fixture from wall. 1/2" or 1" deep milled aluminum blocks are available standard, 3/8" and 2" deep blocks also available upon request. (2) blocks provided for fixtures 8ft or less, fixtures larger than 8ft provided with (3) blocks every 12ft. Quantity of power feed and non power feed blocks provided as required. Fixture mounting requires 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.

## 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. 3 lbs/ft approximate fixture weight.

## FINISH

Electrostatically 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. Neoprene gaskets provided at end caps to prevent ingress of liquids. For continuous fixture runs, wet location joiner blocks are provided. Waterproof connector to be provided by others. Installing contractor responsible for properly sealing and waterproofing all field drilled mounting and power feed locations.

## WARRANTY

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