

ACL4

Optimized thermal performance, optical performance, and versatility in installation are provided in a functional and aesthetically pleasing slim profile.

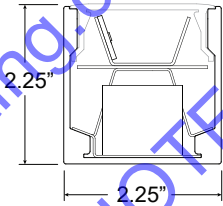


Performance

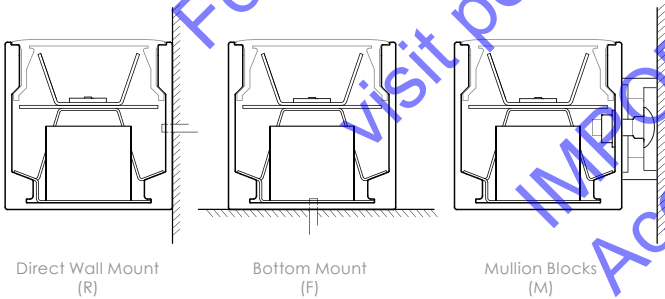
OUTPUT	INDIRECT OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	Symmetric Wide	1440 lm/ft	20 W/ft	72 lm/W
	Symmetric Narrow	1235 lm/ft	13 W/ft	95 lm/W
	Asymmetric	775 lm/ft	12.5 W/ft	62 lm/W

Based on static white 35K HE lens fixtures. For the complete photometric data of this fixture refer to page 3 and 4.

Dimensions



Mounting options



Project name

Type

Date

Quantities



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.

ACI4					
SERIES	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	CRI	
ACI4	M_ Nominal Length ¹ PL_ Exact Length ² PU_ "L" Shape ³ PR_ "U" Shape ³ CP_ Rectangle/Square ³ Custom Pattern ⁴	LS Standard Output LH High Output LVH Very High Output C_ Custom Output	27 2700k 30 3000k 35 3500k 40 4000k DW Dim-to-warm ¹ TW Tunable White ^{1,2} RW RGBW (full color + 3000k White) ^{2,3}	80+ CRI 90+ CRI ¹	
¹Indicate length of each section of pattern either nominal or exact. ²Specify in feet to the nearest foot (i.e. 12) ³Specify in inches to the nearest 1/8 (i.e. 180/125) ⁴Specify in inches to the nearest 1/8. ⁵Contact Design Assist					

VOLTAGE	INDIRECT DISTRIBUTION	INDIRECT OPTICS	MOUNTING	FINISH	DIMMING
U 120-277V 3 347V ¹	M Symmetric Wide ¹ G Symmetric Narrow N Asymmetric	D Rigid Diffuse Dust Cover	R Direct Wall Mount F Bottom Surface Mount M Mullion Blocks ¹	W White B Black T Titanium O Other ¹	D Standard 0-10V dimming ¹ D2 Phase dimming ² D3 DMX 0.1% dim-to-dark D4 DALI dim-to-off
¹Not available with LEDcode or EM. ²Not recommended for wall mount. ³Enter "1" for 1" depth. Enter "5" for 1/2" depth. ⁴Specify RAL or other custom color. ⁵1% dimming standard unless otherwise specified. Reference ERI-P16 driver for compatible dimmers.					

EMERGENCY	OPTIONS
EC Circuited ¹ E_ Battery ²	M Multi-Circuit ¹ R Right end cap feed L Left end cap feed K Wet location application ² Q Wet location ³ MRI MRI ⁴
¹Not available for 347V. See technical data for more information. Not available on fixtures < 4' length. ²Indicate length of separate EM circuit. If unknown, a 4' circuit will be provided by default. For full-length EM fixtures, no need to indicate EC. 4' fixtures will have a separate 2' EM circuit section. ³Factory-installed emergency battery pack. Specify desired quantity of batteries. ⁴Submit multi-circuiting requirements. ⁵Not available with aircraft cable. See guide and contact Design Assist. Special hardware is utilized for this rating. ⁶Wet location suitable in full coverage and/or mullion mounted applications (direct to sky not recommended); not suitable for extreme wet locations. Refer to Wet Location brochure and contact Design Assist for more information. ⁷Review MRI brochure for more information.	

Light distribution

DISTRIBUTION

Indirect Symmetric Wide
Indirect Symmetric Narrow
Indirect Asymmetric

OUTPUT (DC)

LVH: Very high output - 13 W/ft
LH: High output - 10 W/ft
LS: Standard output - 5 W/ft
C: Custom tuned output - Specify Wattage

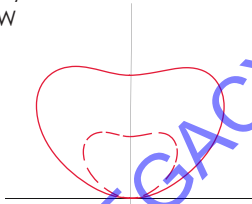
Photometric data

INDIRECT SYMMETRIC WIDE

ILVH - 3500K - DUST COVER

Lumens: 1440 lm/ft
Input watts: 20 W/ft
Efficacy: 72 lm/W

ILH: ———
ILS: - - - - -

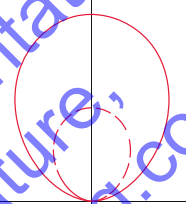


INDIRECT SYMMETRIC NARROW

ILVH - 3500K - DUST COVER

Lumens: 1235 lm/ft
Input watts: 13 W/ft
Efficacy: 95 lm/W

ILH: ———
ILS: - - - - -



INDIRECT ASYMMETRIC

ILVH - 3500K - DUST COVER

Lumens: 775 lm/ft
Input watts: 12.5 W/ft
Efficacy: 62 lm/W

ILH: ———
ILS: - - - - -

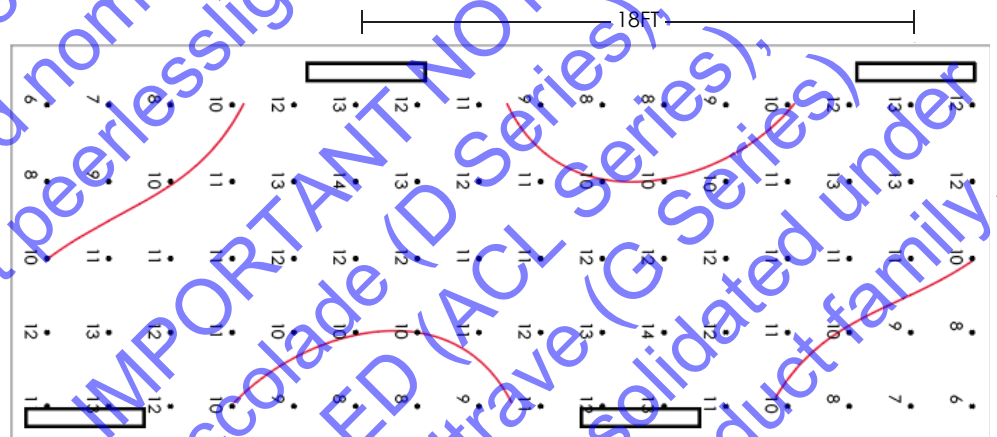


Sample installation - Workspace

SYM. WIDE - ILH / 4000K

Room dimensions: 32 ft x 10 ft x 9 ft
Reefectance: 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)

TOP VIEW
10 fc: ———

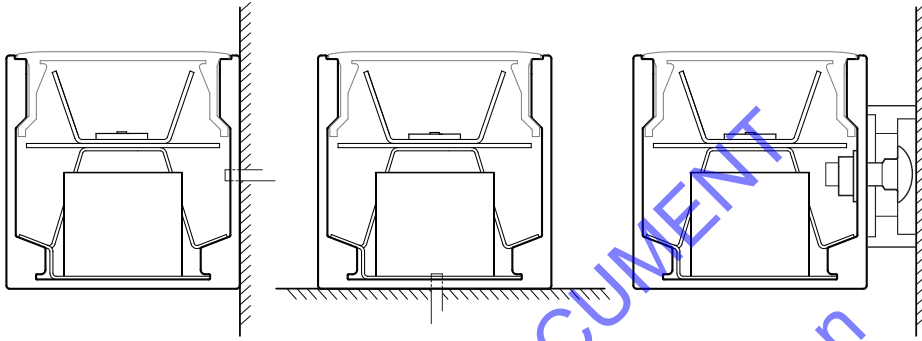


Light loss factors (LLF)

OUTPUT	CCT	LLF RATIO		INDIRECT EFFICACY					
				SYMMETRIC NARROW		SYMMETRIC WIDE		ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	97 lm/W	80 lm/W	73 lm/W	60 lm/W	63 lm/W	52 lm/W
	3500K	1	0.83	95 lm/W	79 lm/W	72 lm/W	60 lm/W	62 lm/W	51 lm/W
	3000K	0.97	0.81	92 lm/W	77 lm/W	70 lm/W	58 lm/W	60 lm/W	50 lm/W
	2700K	0.94	0.79	89 lm/W	75 lm/W	68 lm/W	57 lm/W	58 lm/W	49 lm/W
LH (high)	4000K	1.02	0.84	103 lm/W	85 lm/W	78 lm/W	64 lm/W	64 lm/W	53 lm/W
	3500K	1	0.83	101 lm/W	84 lm/W	76 lm/W	63 lm/W	63 lm/W	52 lm/W
	3000K	0.97	0.81	98 lm/W	82 lm/W	74 lm/W	62 lm/W	61 lm/W	51 lm/W
	2700K	0.94	0.79	95 lm/W	80 lm/W	71 lm/W	60 lm/W	59 lm/W	50 lm/W
LS (standard)	4000K	1.02	0.84	118 lm/W	97 lm/W	86 lm/W	71 lm/W	73 lm/W	60 lm/W
	3500K	1	0.83	116 lm/W	96 lm/W	84 lm/W	70 lm/W	72 lm/W	60 lm/W
	3000K	0.97	0.81	113 lm/W	94 lm/W	81 lm/W	68 lm/W	70 lm/W	58 lm/W
	2700K	0.94	0.79	109 lm/W	92 lm/W	79 lm/W	66 lm/W	68 lm/W	57 lm/W

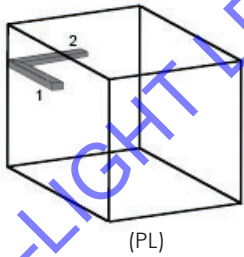
OUTPUT	CCT	LLF RATIO		INDIRECT LUMEN OUTPUT					
				SYMMETRIC NARROW		SYMMETRIC WIDE		ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1260 lm/ft	1037 lm/ft	1469 lm/ft	1210 lm/ft	791 lm/ft	651 lm/ft
	3500K	1	0.83	1235 lm/ft	1025 lm/ft	1440 lm/ft	1195 lm/ft	775 lm/ft	643 lm/ft
	3000K	0.97	0.81	1198 lm/ft	1000 lm/ft	1397 lm/ft	1166 lm/ft	752 lm/ft	628 lm/ft
	2700K	0.94	0.79	1161 lm/ft	976 lm/ft	1354 lm/ft	1138 lm/ft	729 lm/ft	612 lm/ft
LH (high)	4000K	1.02	0.84	1030 lm/ft	848 lm/ft	1085 lm/ft	894 lm/ft	643 lm/ft	529 lm/ft
	3500K	1	0.83	1010 lm/ft	838 lm/ft	1064 lm/ft	883 lm/ft	630 lm/ft	523 lm/ft
	3000K	0.97	0.81	980 lm/ft	818 lm/ft	1032 lm/ft	862 lm/ft	611 lm/ft	510 lm/ft
	2700K	0.94	0.79	949 lm/ft	798 lm/ft	1000 lm/ft	841 lm/ft	592 lm/ft	498 lm/ft
LS (standard)	4000K	1.02	0.84	532 lm/ft	438 lm/ft	557 lm/ft	459 lm/ft	330 lm/ft	272 lm/ft
	3500K	1	0.83	522 lm/ft	433 lm/ft	546 lm/ft	453 lm/ft	324 lm/ft	269 lm/ft
	3000K	0.97	0.81	506 lm/ft	423 lm/ft	530 lm/ft	442 lm/ft	314 lm/ft	262 lm/ft
	2700K	0.94	0.79	491 lm/ft	412 lm/ft	513 lm/ft	431 lm/ft	305 lm/ft	256 lm/ft

Photometric data

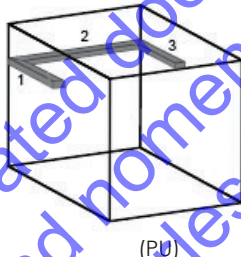
Direct Wall Mount
(R)Bottom Mount
(F)Mullion Blocks
(M)

Standard pattern

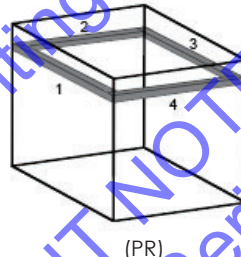
Corner detail



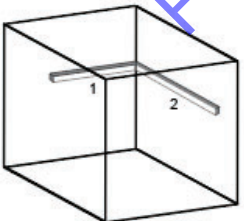
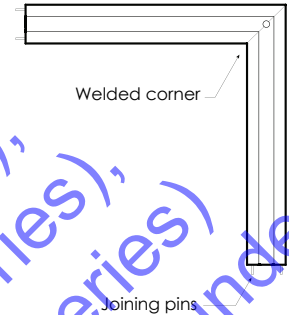
(PL)



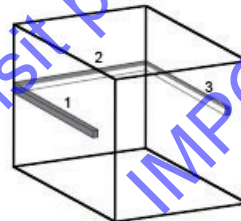
(PU)



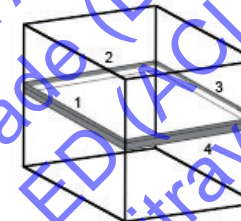
(PR)



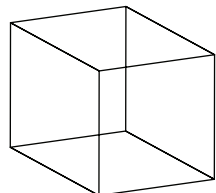
(PLWW) Wall to wall



(PUWW) Wall to wall



(PRWW) Rectangle wall to wall



(CP) Custom pattern

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. 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 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.

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.

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. 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.

The ACL4 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.

WARRANTY

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