

G4

Architrave4 indirect luminaire features symmetric narrow or asymmetric distribution in a 5" x 5" square linear housing. A variety of wall surface mounting options and optional dual board configuration provide maximum performance.

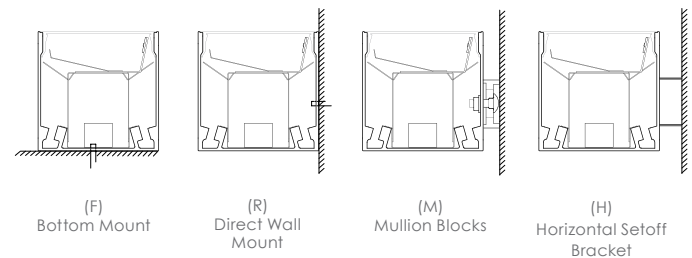


Performance

OUTPUT	DISTRIBUTION	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	Symmetric Wide	1714 lm/ft	28.5 W/ft	96 lm/W
	Asymmetric	1428 lm/ft	17.5 W/ft	80 lm/W

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

G4	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	CRI	VOLTAGE	INDIRECT DISTRIBUTION	INDIRECT OPTICS
G4	M_ Nominal Length ¹ L_ Exact Length ² PL_ "L" Shape ³ PU_ "U" Shape ³ PR_ Rectangle/Square ³ CP_ Custom Pattern ⁴	LS Standard Output LH High Output LVH Very High Output ¹ C_ Custom Output ²	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	U 120-277V 3 347V ¹	M Symmetric Wide ¹ N Asymmetric	D Rigid Diffuse Dust Cover
Indicate length of each section of pattern either nominal or exact. ¹ Specify in feet to the nearest foot (i.e. 12) ² Specify in inches to the nearest 1/8 (i.e. M180.125) ³ Specify in inches to the nearest 1/8 (See Pattern Guide for configurations) ⁴ Contact Design Assist		¹ Available on "M" symmetric wide distribution only ² Contact Design Assist for available custom tuned output range	¹ Standard CCT range is 27-50K. Contact Design Assist for custom range. ² Photometric data pending for Tunable White and RGBW. ³ RGBW is UL pending and only available in DMX dimming. Contact Design Assist for white CCTs other than 3000k.	¹ Not offered with (TW) Tunable white or (DW) Dim-to-warm. Contact Design Assist to discuss RGBW possibilities.	¹ Not available with LEDcode or EM.	¹ Not recommended with wall or mullion mounting.	

MOUNTING	FINISH	DIMMING	EMERGENCY	SENSORS	OPTIONS
R Direct Wall Mount M Mullion Blocks ¹ H Horizontal Setoff Bracket ² F Bottom / Surface Mount	W White B Black T Titanium O Other ¹ CBD SFH SPN SDW SCY LME SMN	D Standard 0-10V dimming ¹ D3 Phase dimming ² D4 DMX 0.1% dim-to-dark DA DALI dim-to-off (EldoLED) NAIR nLight @AIR (dim-to-off) ³ NWIR nLight @Wired (dim-to-off)	EC Circuited E Battery ¹ Not available for 347V. See technical data for more information. Not available on fixtures < 4' length.	OF Occupancy Sensor - Fixture PF Photocell / Daylight Sensor - Fixture OPF Occupancy / daylight Sensor - Fixture Specify quantity of sensors per fixture. Sensor will be matched to dimming input. All sensors to be integral to fixture. Remote sensors are to be provided by others.	M Multi-Circuit ¹ R Right Endcap Feed L Left Endcap Feed K Natatorium Application ² Q Wet Location ³ MRI MRI ⁴ ¹ Submit multi-circuiting requirements ² Not available with horizontal setoff bracket. 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. ³ Not available with horizontal setoff bracket. 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. ⁴ Review MRI brochure for more information.

¹ Enter "1" for 1" depth. Enter "5" for 1/2" depth.
² Enter "1" for 1" depth. Enter "5" for 1/2" depth. Not available with wet location.

¹ Specify RAL# or other custom color.

¹ 1% dimming standard unless otherwise specified.
² Reference ERP-PHB driver for compatible dimmers.
³ nLight AIR components completely integrated into fixture. Not available with 347V + LEDcode or EM. If 347V, only available in 0-10V.

¹ Indicate 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.
² Factory-installed emergency battery pack. Specify desired quantity of batteries

Light distribution

DISTRIBUTION

Indirect Asymmetric

OUTPUT (DC)

LVH: Very high output - 23 W/ft
LH: High output - 13.5 W/ft
LS: Standard output - 6.5 W/ft
C: Custom tuned output - Contact Design Assist

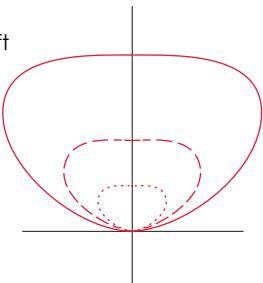
Photometric data

INDIRECT SYMMETRIC WIDE

LVH - 4000K - DUST COVER

Lumens: 1714 lm/ft
Input watts: 28.5 W/ft
Efficacy: 96 lm/W

LH - - - - -
LS -

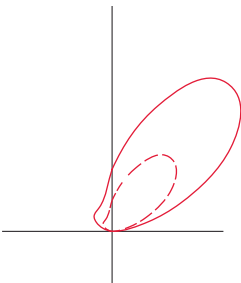


INDIRECT ASYMMETRIC

LVH - 4000K - DUST COVER

Lumens: 1428 lm/ft
Input watts: 17.5 W/ft
Efficacy: 80 lm/W

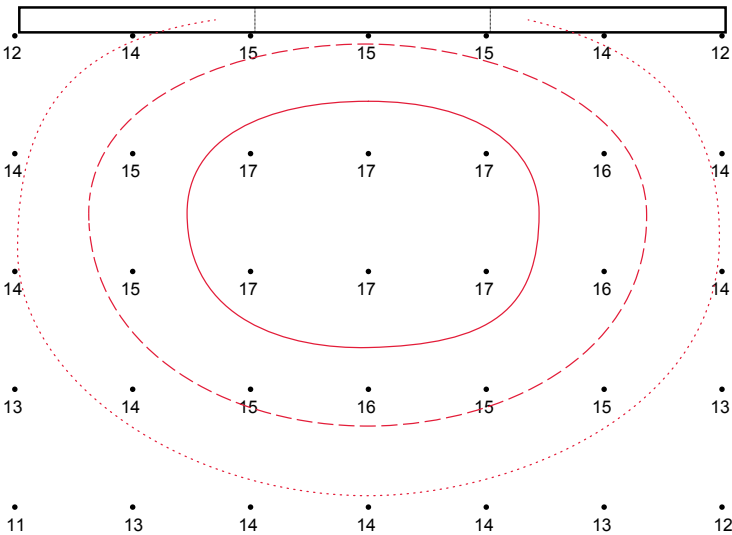
LH - - - - -
LS -



Sample Installation - Corridor

ASYMMETRIC - LH UP / 4000K

Corridor height: 12 ft
Reflectance: 80% / 50% / 20%
Mounting height: 9 ft A.F.F. (on wall)
Fixture length: 12 ft
Calculation grid: 2 ft x 2 ft
Calculation plane (horizontal): On floor
Average Illuminance: 15 fc
Uniformity: 1.3:1 (avg/min)



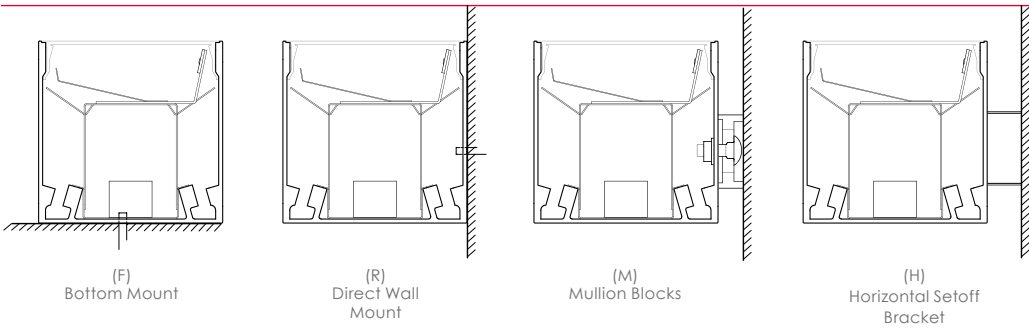
FRONT VIEW
16 fc: - - - - -
15 fc: - - - - -
14 fc:

Light loss factors (LLF)

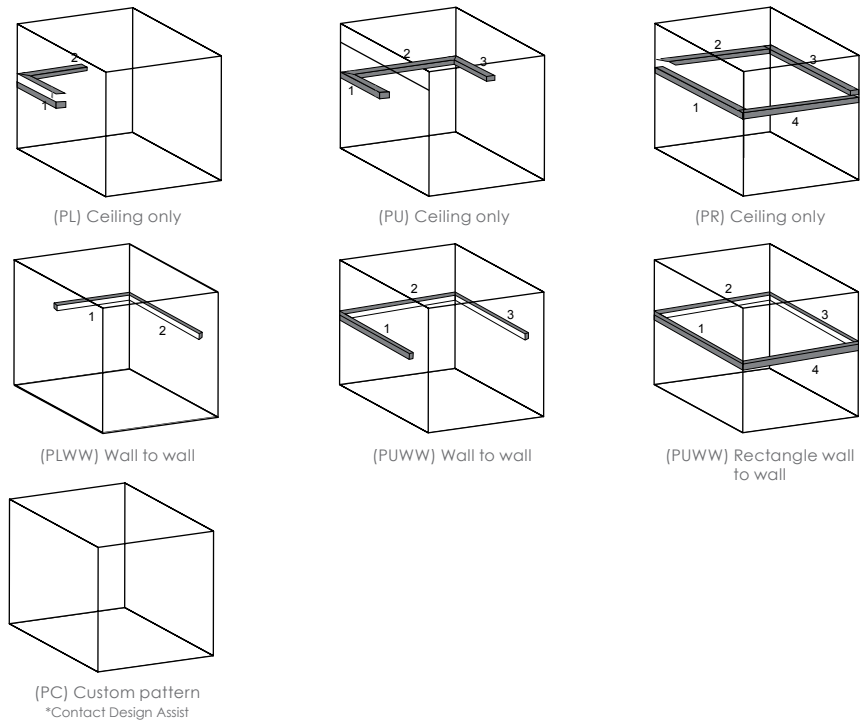
OUTPUT	CCT	LLF RATIO		INDIRECT EFFICACY			
				SYMMETRIC WIDE		ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	98 lm/W	81 lm/W	82 lm/W	67 lm/W
	3500K	1	0.83	96 lm/W	80 lm/W	80 lm/W	66 lm/W
	3000K	0.97	0.81	93 lm/W	78 lm/W	78 lm/W	65 lm/W
	2700K	0.94	0.79	90 lm/W	76 lm/W	75 lm/W	63 lm/W
LH (high)	4000K	1.02	0.84	107 lm/W	88 lm/W	86 lm/W	71 lm/W
	3500K	1	0.83	105 lm/W	87 lm/W	84 lm/W	70 lm/W
	3000K	0.97	0.81	102 lm/W	85 lm/W	81 lm/W	68 lm/W
	2700K	0.94	0.79	99 lm/W	83 lm/W	79 lm/W	66 lm/W
LS (standard)	4000K	1.02	0.84	112 lm/W	92 lm/W	92 lm/W	76 lm/W
	3500K	1	0.83	110 lm/W	91 lm/W	90 lm/W	75 lm/W
	3000K	0.97	0.81	107 lm/W	89 lm/W	87 lm/W	73 lm/W
	2700K	0.94	0.79	103 lm/W	87 lm/W	85 lm/W	71 lm/W

OUTPUT	CCT	LLF RATIO		INDIRECT LUMEN OUTPUT			
				SYMMETRIC WIDE		ASYMMETRIC	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	1714 lm/ft	1411 lm/ft	1428 lm/ft	1176 lm/ft
	3500K	1	0.83	1680 lm/ft	1394 lm/ft	1400 lm/ft	1162 lm/ft
	3000K	0.97	0.81	1630 lm/ft	1361 lm/ft	1358 lm/ft	1134 lm/ft
	2700K	0.94	0.79	1579 lm/ft	1327 lm/ft	1316 lm/ft	1106 lm/ft
LH (high)	4000K	1.02	0.84	1446 lm/ft	1191 lm/ft	1157 lm/ft	953 lm/ft
	3500K	1	0.83	1418 lm/ft	1177 lm/ft	1134 lm/ft	941 lm/ft
	3000K	0.97	0.81	1375 lm/ft	1148 lm/ft	1100 lm/ft	919 lm/ft
	2700K	0.94	0.79	1332 lm/ft	1120 lm/ft	1066 lm/ft	896 lm/ft
LS (standard)	4000K	1.02	0.84	729 lm/ft	601 lm/ft	597 lm/ft	491 lm/ft
	3500K	1	0.83	715 lm/ft	593 lm/ft	585 lm/ft	486 lm/ft
	3000K	0.97	0.81	694 lm/ft	579 lm/ft	567 lm/ft	474 lm/ft
	2700K	0.94	0.79	672 lm/ft	565 lm/ft	550 lm/ft	462 lm/ft

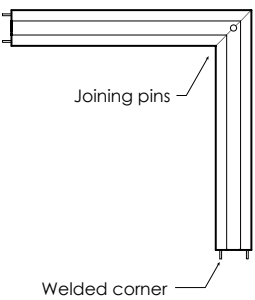
Mounting



Standard patterns

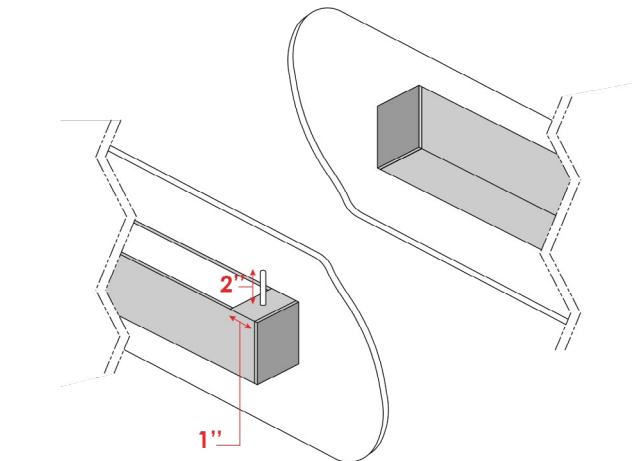


Corner detail



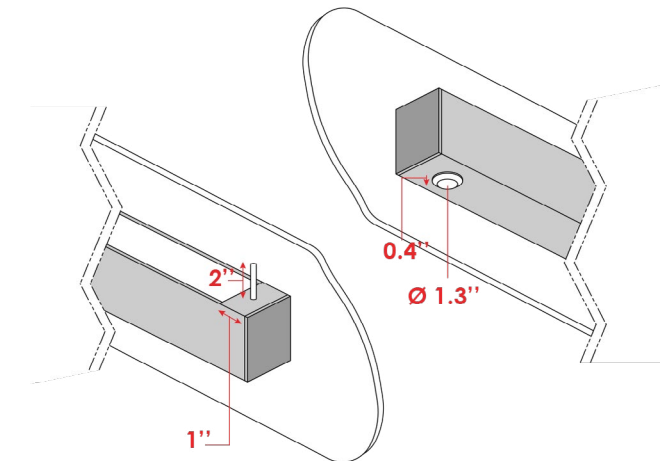
NLight dimensions

AIR : rI0 Wall mount



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

AIR : rES7 Wall mount



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

Project name

Type

Date

Quantities

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 specification sheets.

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 -30°C to 50°C, maximum case temperature of 75°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

Low-profile integral occupancy and daylight sensors are available to deliver high performance control in an architecturally pleasing package.

Integrated nLight® for system networking wired and wireless:

nLIGHT® AIR WIRELESS

The integrated API smart sensor is part of each luminaire in the nLight® AIR network, which can be grouped to control multiple luminaires. The granularity of control with the digital PIR occupancy detection and daylight sensing makes a great solution for any application. Optionally you can order nLight® AIR less sensors for compatibility with an nLight Air wireless system. The rIO, rES7, rMSOD, and rCMS models are available for integration.

CONTROLS AND SYSTEM NETWORKING OPTIONS

For wired networking via Cat-5e, choose an nLight® wired module. The nIO EZ PH, nIO EZDL CCT, nES7 and nCM are available for integration.

nLight enabled, remote mounted controls provided by others.

Please contact an Acuity controls representative for more information.

MOUNTING

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. 0.5", 1" or 1.5" sheet metal mullion blocks are standard available. (2) blocks provided for extrusions 8ft or less, fixtures larger than 8ft additional blocks are provided as required. 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.

Horizontal Set-off brackets are used to offset fixture from a wall by 1" or 1/2". 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.

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 G4 is assembled in the U.S.A. and complies 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:
www.alights.com/downloads/warranty/