

G5

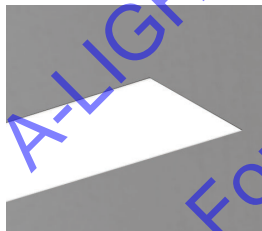
Architrave5 provides high performance direct distribution from a 5" housing using our patented HE Tech™ lens. Optional dual board configuration provides maximum lumen output perfect for high ceiling applications.



Performance

OUTPUT	OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	HE Tech	2071 lm/ft	20.5 W/ft	101 lm/W
	Awash Kicker	1554 lm/ft	18.5 W/ft	84 lm/W

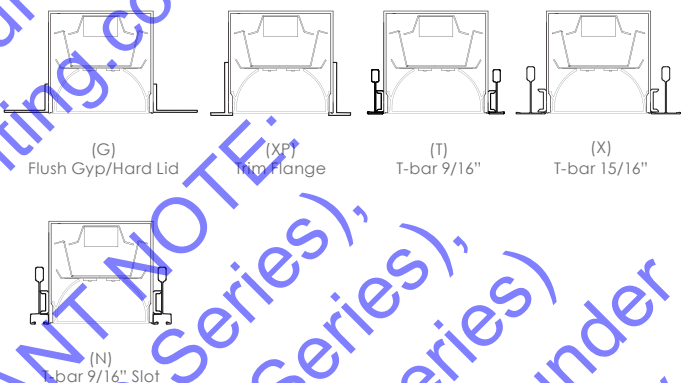
Please consult factory for available custom lumen output and wattages. For the complete photometric data of this fixture refer to pages 2 and 3.



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.

Mounting options



G5	LENGTH OR PATTERN TYPE		INTERSECTION TYPE		OUTPUT	LED CCT	CRI	VOLTAGE	DIRECT OPTICS
G5	M_	Nominal Length ¹	IT	"T" Intersection	LS	27	2700K	80+ CRI	HE
	PL	Exact Length ²	IX	"X" Intersection	LH	30	3000K	90+ CRI ¹	KS
	PU	"L" Shape ³	IY	"Y" Intersection	LVH	35	3500K		
	PR	"U" Shape ³			C_	40	4000K		
	CP	Rectangle/Square ³			DW	DW	Dim-to-warm ¹		
		Custom Pattern ⁴			TW	TW	Tunable White ^{1,2}		
					RW	RW	RGBW (full color + 3000K White) ^{2,3}		
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 Fully illuminated intersection available with HE Tech optic only. Contact Design Assist.		¹ Not available with Awash Kicker + WISP optic. ² Contact Design Assist for available custom tuned output ranges.		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 (DW) Dim-to-warm. Contact Design Assist to discuss RGBW possibilities. ² Not available with LEDcode or EM.	

MOUNTING		FINISH	DIMMING ¹		EMERGENCY	SENSORS		OPTIONS		
G	Flush Gyp / Mud Over Flange	W White	D	Standard 0-10V dimming ¹	EC	OF_	Occupancy Sensor - Fixture	M	Multi-Circuit ¹	
RG	1" Regressed Gyp / Mud Over Flange ¹	B Black	D2	Phase dimming ²	E	PF_	Photocell / Daylight Sensor - Fixture	R	Right Endcap Feed	
XP	1/2" Trim Flange ¹	T Titanium	D3	DMX 0.1% dim-to-dark		OPF_	Occupancy / daylight Sensor - Fixture	L	Left Endcap Feed	
T	T-Bar 9/16"	O_ Other ¹	D4	DALI dim-to-off (EldoLED)				K	Natatorium Application ²	
X	T-Bar 15/16"		NAIR	nLight @AIR (dim-to-off) ³				Q	Wet Location ³	
N	T-Bar 9/16 Slot		NWIR	nLight @Wired (dim-to-off)				MRI	MRI ⁴	
		CBD SPN SCY SMN SFH SDW LME								

Light distribution

DISTRIBUTION

Direct Symmetric

OUTPUT (DC)

LVH: Very high output - 19.5 W/ft

LH: High output - 9 W/ft

LS: Standard output - 5 W/ft

C: Custom tuned output - Contact Design Assist

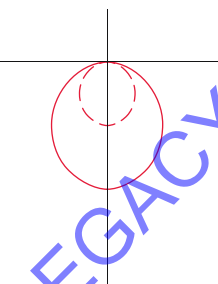
Photometric data

DIRECT SYMMETRIC

LVH - 4000K - HE TECH

Lumens: 2112 lm/ft
Input watts: 20.5 W/ft
Efficacy: 101 lm/W

LH ———
LS - - - - -

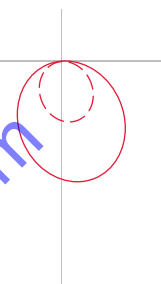


DIRECT ASYMMETRIC

LVH - 4000K - KS

Lumens: 1585 lm/ft
Input watts: 18.5 W/ft
Efficacy: 84 lm/W

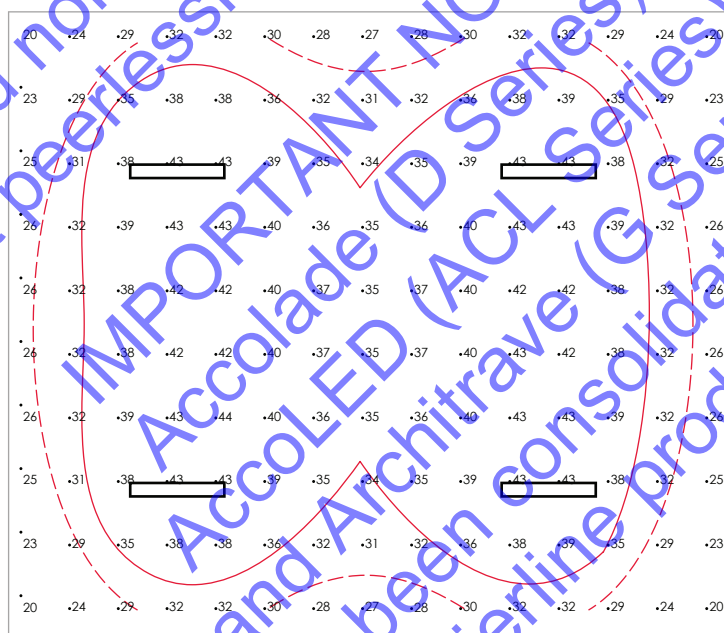
LH ———
LS - - - - -



Sample Installation - Workspace

LH DOWN / 4000K

Room height: 20 ft x 30 ft x 12 ft
Reflectance: 80% / 50% / 20%
Mounting height: 12 ft A.F.F. (recessed)
Fixture length: 4 ft
Calculation grid: 2 ft x 2 ft
Calculation plane (horizontal): 2.5 ft A.F.F.
Average Illuminance: 34 fc
Fixture spacing: 10 ft x 15 ft
Uniformity: 1.7:1 (avg/min)



FRONT VIEW

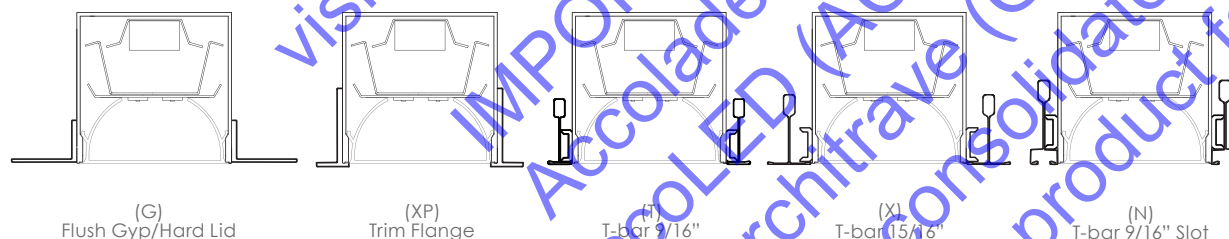
34 fc: ———
30 fc: - - - - -

Light loss factors (LLF)

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY			
				HE TECH		AWASH KICKER	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	103 lm/W	85 lm/W	86 lm/W	71 lm/W
	3500K	1	0.83	101 lm/W	84 lm/W	84 lm/W	70 lm/W
	3000K	0.97	0.81	98 lm/W	82 lm/W	81 lm/W	68 lm/W
	2700K	0.94	0.79	95 lm/W	80 lm/W	79 lm/W	66 lm/W
LH (high)	4000K	1.02	0.84	115 lm/W	95 lm/W	96 lm/W	79 lm/W
	3500K	1	0.83	113 lm/W	94 lm/W	94 lm/W	78 lm/W
	3000K	0.97	0.81	110 lm/W	92 lm/W	91 lm/W	76 lm/W
	2700K	0.94	0.79	106 lm/W	89 lm/W	88 lm/W	74 lm/W
LS (standard)	4000K	1.02	0.84	122 lm/W	101 lm/W	103 lm/W	85 lm/W
	3500K	1	0.83	120 lm/W	100 lm/W	101 lm/W	84 lm/W
	3000K	0.97	0.81	116 lm/W	97 lm/W	98 lm/W	82 lm/W
	2700K	0.94	0.79	113 lm/W	95 lm/W	95 lm/W	80 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT			
				HE TECH		AWASH KICKER	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	2112 lm/ft	1739 lm/ft	1585 lm/ft	1305 lm/ft
	3500K	1	0.83	2071 lm/ft	1719 lm/ft	1554 lm/ft	1290 lm/ft
	3000K	0.97	0.81	2008 lm/ft	1677 lm/ft	1507 lm/ft	1259 lm/ft
	2700K	0.94	0.79	1946 lm/ft	1636 lm/ft	1461 lm/ft	1228 lm/ft
LH (high)	4000K	1.02	0.84	1095 lm/ft	902 lm/ft	815 lm/ft	671 lm/ft
	3500K	1	0.83	1074 lm/ft	891 lm/ft	799 lm/ft	663 lm/ft
	3000K	0.97	0.81	1041 lm/ft	870 lm/ft	775 lm/ft	647 lm/ft
	2700K	0.94	0.79	1009 lm/ft	848 lm/ft	751 lm/ft	631 lm/ft
LS (standard)	4000K	1.02	0.84	551 lm/ft	454 lm/ft	412 lm/ft	339 lm/ft
	3500K	1	0.83	540 lm/ft	448 lm/ft	404 lm/ft	335 lm/ft
	3000K	0.97	0.81	524 lm/ft	437 lm/ft	392 lm/ft	327 lm/ft
	2700K	0.94	0.79	508 lm/ft	427 lm/ft	380 lm/ft	319 lm/ft

Mounting



Project name

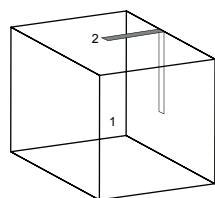
Type

Date

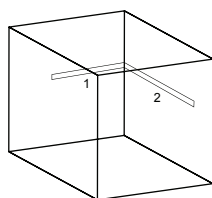
Quantities

Standard patterns

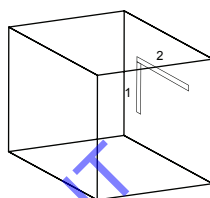
Corner detail



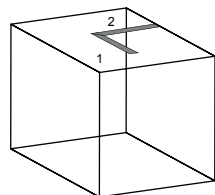
(PLCW) Wall to ceiling



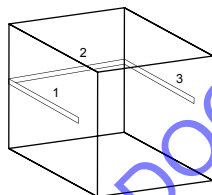
(PLWW) Wall to wall



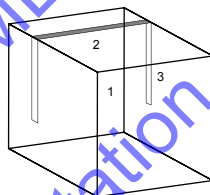
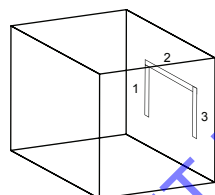
(PLW) Wall only



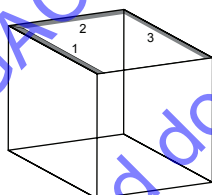
(PLC) Ceiling only



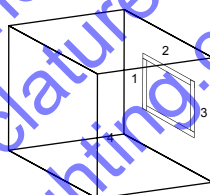
(PUWW) Wall to wall

(PUCW) Wall to ceiling
to wall

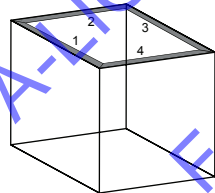
(PUW) Wall only



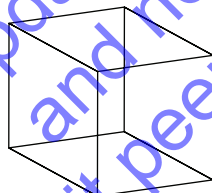
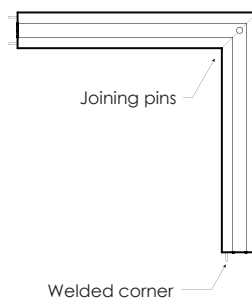
(PUC) Ceiling only



(PFW) Wall only



(PRC) Ceiling only

(PCP) Custom pattern
*Contact Design Assist

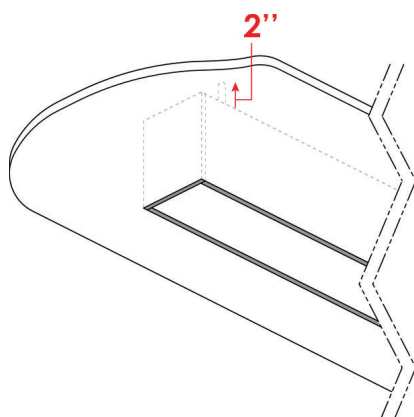
Joining pins

Welded corner

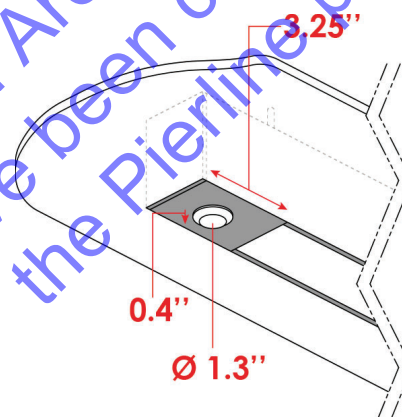
NLight dimensions

AIR : rIO Recessed

AIR : res7 Recessed



*Fixture mounted module for nLight AIR only.



*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 the product not detailed within specification sheets.

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.

The a-wash kicker plus WISP™ diffuse white extruded acrylic lens produces a soft asymmetric distribution.

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. Custom output available, 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 -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 nIO, nES7, nMSOD, and nCMS 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

Common recessed mounting options available. Contact factory for applications regarding modified recessed mounting conditions.

Flush Gypsum Flange. Raw aluminum flange is attached to blocking (by others), then mudded over and/or painted by installing contractor to provide a "flangeless" fixture appearance in recessed ceiling/wall applications.

Trim Flange. 1/2" wide visible powder coated flange, specify finish requirement. Fixture is mounted to structure using threaded rod or ceiling tie wires (provided by others). Use of a-clamp™ secures fixture trim and housing around ceiling/wall material. Use for any gypsum or hard ceiling/wall that requires a minimal flange covering the ceiling cut-out edge.

T-Bar/Grid Ceiling. 9/16" or 15/16" standard T-Bar or 9/16" slot ceiling. Raw aluminum flange sits on T-Bar and is concealed from view.

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

IC Rated for IC, Airtight, CCEA Ceilings. CCEA mark applied for Chicago Plenum applications. 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 G5 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/