

ORDERING CODE

G5

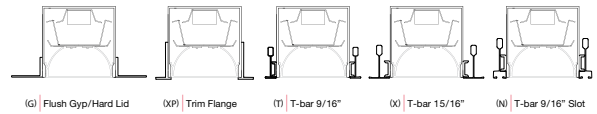
PROJECT INFO

TYPE

DATE

QUANTITY

MOUNTING OPTIONS



PERFORMANCE AT 4000K

OUTPUT	OPTIC	NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
Very High	HE	1720 lm/ft	19 W/ft	91 lm/W
High	HE	864 lm/ft	9.5 W/ft	91 lm/W
	KS	725 lm/ft	9.5 W/ft	76 lm/W
Standard	HE	435 lm/ft	4.75 W/ft	92 lm/W
	KS	364 lm/ft	4.75 W/ft	77 lm/W

Custom tuned output available. Please consult factory for available custom lumen output and wattage.

SERIES	LENGTH OR PATTERN TYPE	INTERSECTION TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE
G5	_ Nominal Length* M_ Exact Length** PL_ "L" Shape*** PU_ "U" Shape*** PR_ Rectangle / Square*** CP Custom Pattern****	IT "T" Intersection IX "X" Intersection IY "Y" Intersection	LS Standard Output LH High Output LVH Very High Output* C_ Custom Output**	27 2700K 30 3000K 35 3500K 40 4000K TW Tunable White* DW Dim-to-warm*	CRI 80+ CRI 90+ CRI*	U 120V - 277V 3 347V*
<small>*Specify in feet to the nearest foot (i.e. 12) **Specify in inches to the nearest 1/8 (i.e. 180.125) ***Specify in inches to the nearest 1/8 (See Pattern Guide (F.6) for configurations) ****Contact Design Assist</small>		<small>*Fully illuminated intersection available with HE Tech optic only. Contact Design Assist.</small>	<small>*Not available with Awash Kicker + WISP optic **Contact Design Assist for available</small>	<small>*Standard CCT range is 27-50K. Contact Design Assist for custom range</small>	<small>*Not offered with (TW) Tunable white or (DW) Dim-to-warm.</small>	<small>*Not available with LEDcode or EM.</small>

DIRECT OPTICS	MOUNTING	FINISH*	DIMMING	EMERGENCY
HE HE Tech™ KS Awash Kicker + WISP*	G Flush Gyp / Mud Over Flange RG 1" Regressed Gyp / Mud Over Flange XP 1/2" Trim Flange T T-Bar 9/16" X T-Bar 15/16" N T-Bar 9/16 Slot	T Titanium W White B Black O_ Other** <small>*Specify finish for RG and XP mounting types only **Specify RAL#</small>	D Standard 0-10V dimming* D2 Phase dimming** D3 DMX 0.1% dim-to-dark D4 DALI dim-to-off NAIR nLight @AIR (dim-to-off)*** NWIR nLight @Wired (dim-to-off)	EC Emergency - circuited E_ Emergency - battery*
<small>*Not available with Very High Output. Painted filler panels required for exact lengths. We are unable to fully light some lengths.</small>			<small>*Dimming to 1% stated for standard 0-10V dimming **Reference ERP-PHB driver for compatible dimmers. *** nLight AIR components completely integrated into fixture. Not available with 347V + LEDcode or EM. If 347V, only available in 0-10V.</small>	<small>*Factory-installed emergency battery pack. Specify desired quantity of batteries. Not available on fixtures < 4' length. Not available for 347V. See technical data for more information.</small>

SENSORS	OPTIONS
OF Occupancy Sensor - Fixture PF Photocell / Daylight Sensor - Fixture OPF Occupancy & daylight Sensor - Fixture	M Multi-Circuit* K Natatorium Application** Q Wet Location*** CP Chicago Plenum MRI MRJ****
<small>*Sensor will be matched to dimming input. All sensors to be integral to fixture. Remote sensors are to be provided by others.</small>	<small>*Submit multi-circuiting requirements **See guide and contact Design Assist. Special hardware is utilized for this rating ***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

Direct Symmetric

OUTPUT

LVH: Very high output - 20 W/ft

LH: High output - 10 W/ft

LS: Standard output - 5 W/ft

C: Custom tuned output - Refer to Technical Data

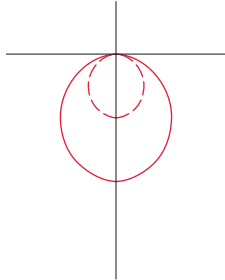
PHOTOMETRIC DATA

DIRECT SYMMETRIC

LH - 4000K - HE TECH

Lumens: 864 lm/ft
Input watts: 9.5 W/ft
Efficacy: 91 lm/W

LH ———
LS - - - - -

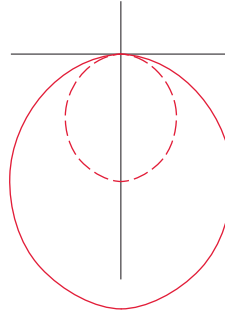


DIRECT SYMMETRIC

LVH - 4000K - HE TECH

Lumens: 1720 lm/ft
Input watts: 19 W/ft
Efficacy: 91 lm/W

LVH ———
LS - - - - -

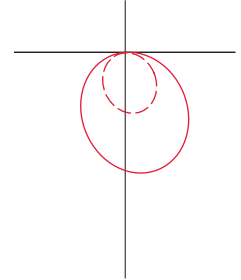


DIRECT ASYMMETRIC

LH - 4000K - KS

Lumens: 725 lm/ft
Input watts: 9.5 W/ft
Efficacy: 76 lm/W

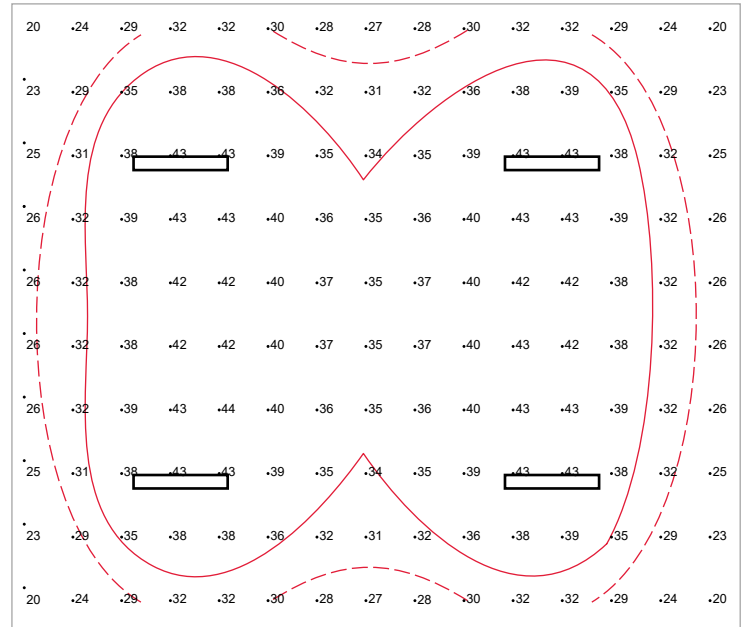
LH ———
LS - - - - -



SAMPLE INSTALLATION - WORKSPACE

LVH 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)



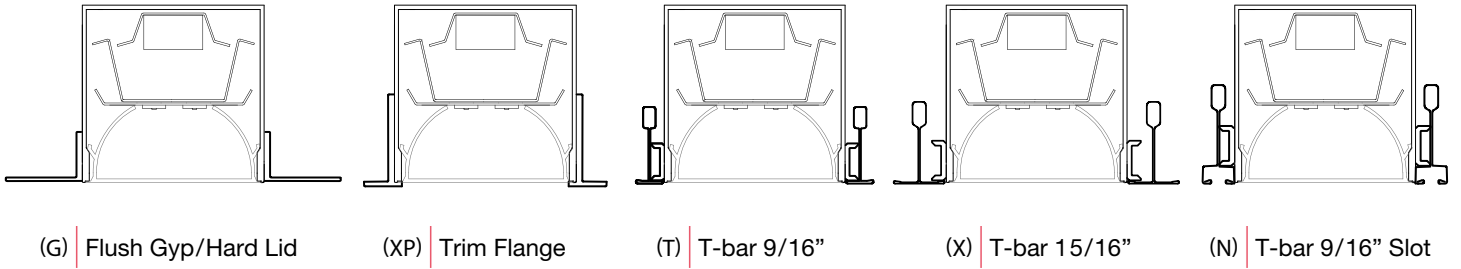
TOP VIEW

35 fc ———
30 fc - - - - -

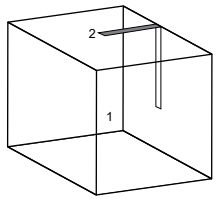
LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	CRI 80+		CRI 90+	
		OPTICS		OPTICS	
		HE Tech™	KS	HE Tech™	KS
LVH <small>(very high)</small>	4000k	1,720 lm/ft	-	1,519 lm/ft	-
	3500k	1,684 lm/ft	-	1,469 lm/ft	-
	3000k	1,620 lm/ft	-	1,388 lm/ft	-
	2700k	1,558 lm/ft	-	1,316 lm/ft	-
LH <small>(high)</small>	4000k	864 lm/ft	725lm/ft	763 lm/ft	1m/ft
	3500k	846 lm/ft	710 lm/ft	738 lm/ft	640lm/ft
	3000k	814 lm/ft	683 lm/ft	697lm/ft	619 lm/ft
	2700k	783 lm/ft	657 lm/ft	661 lm/ft	585 lm/ft
LS <small>(standard)</small>	4000k	435 lm/ft	364lm/ft	384 lm/ft	321 lm/ft
	3500k	426 lm/ft	356lm/ft	371 lm/ft	311 lm/ft
	3000k	410lm/ft	343 lm/ft	351 lm/ft	294 lm/ft
	2700k	394 lm/ft	330 lm/ft	333 lm/ft	278 lm/ft

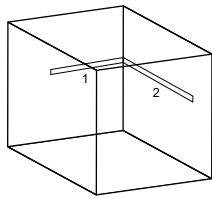
Factors above for high output (LH).
For standard output (LS) -50%.



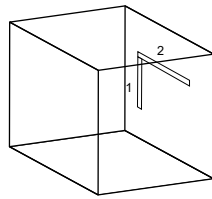
STANDARD PATTERNS



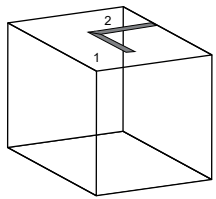
(PLCW) | Wall to ceiling



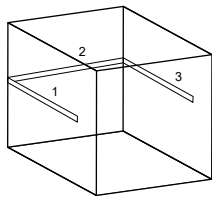
(PLWW) | Wall to wall



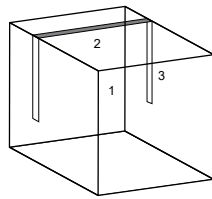
(PLW) | Wall only



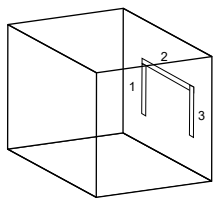
(PLC) | Ceiling only



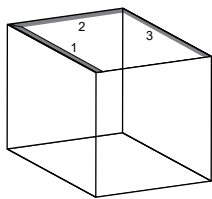
(PUWW) | Wall to wall to wall



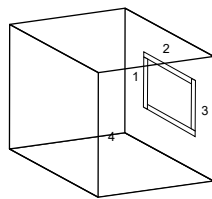
(PUWC) | Wall to ceiling to wall



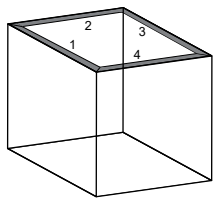
(PUW) | Wall only



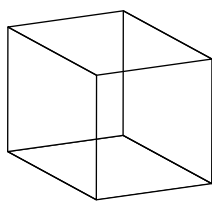
(PUC) | Ceiling only



(PRW) | Wall only

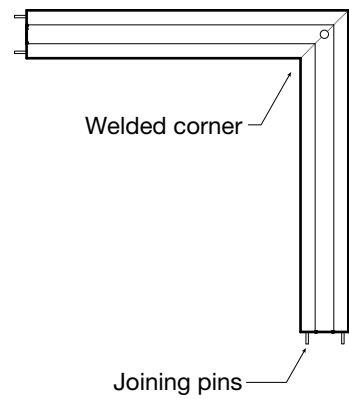


(PRC) | Ceiling only



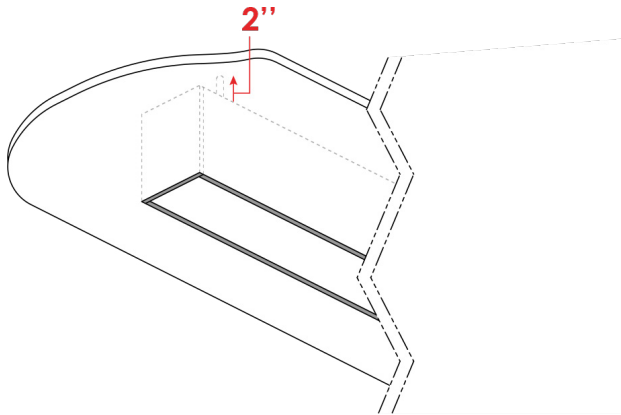
(CP) | Custom pattern

CORNER DETAIL



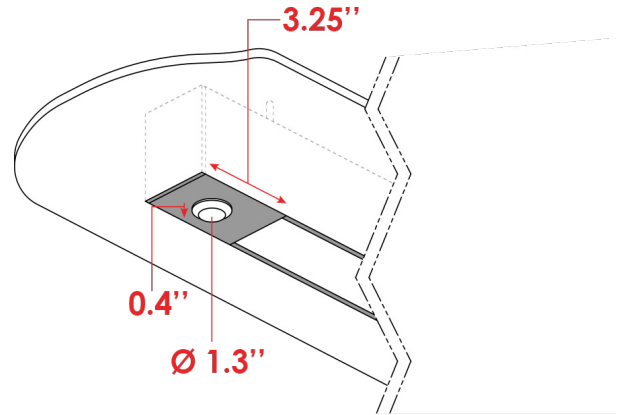
NLIGHT® DIMENSIONS

AIR : rIO Recessed



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

AIR : res7 Recessed



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

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 Elements or Integrations specification sheets.

OPTICS

HE Tech™ patented high efficacy extruded diffuse acrylic lens technology with integrated opaque white reflector 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 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

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 (by others) or ceiling tie wires (provided). 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.

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. 5 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

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. 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/>