

G3

Architrave3 combines clean lines with 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.

WET

Location

5Y

Warranty

eldoLED

Drivers

nLIGHT

Controls

Sensors

HE

Tech lens

RGBW

UL

Certified

BAA

Buy American

Build America

Buy America

White tuning

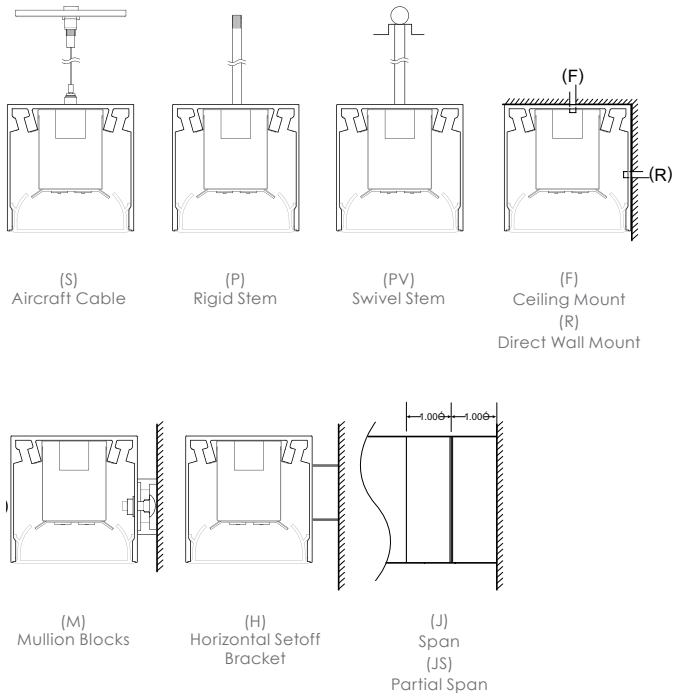
Dim. to warm

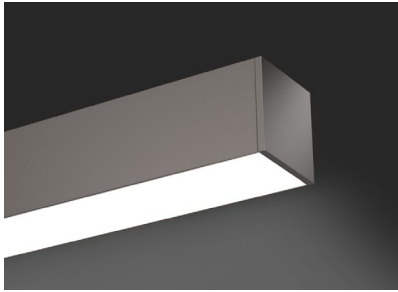
Performance

OUTPUT	DISTRIBUTION	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 wattage. For the complete photometric data of this fixture refer to pages 3 and 4.

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.

G3							
SERIES	LENGTH OR PATTERN TYPE	INTERSECTION TYPE	OUTPUT	LED CCT	CRI	VOLTAGE	DIRECT OPTICS
G3	— Nominal Length¹ M— Exact Length² PL— "L" Shape³ PU— "U" Shape³ PR— Rectangle/Square³ CP— Custom Pattern⁴ Indicate length of each section of pattern either nominal or exact. ¹Specify in feet to the nearest foot (i.e. 12) ²Specify in inches to the nearest 1/8 (i.e. 1180.125) ³Specify in inches to the nearest 1/8 (See Pattern Guide for configurations) ⁴Contact Design Assist	IT "T" Intersection IX "X" Intersection IY "Y" Intersection ¹ Fully illuminated intersection available with HE Tech optic only. Contact Design Assist.	LS Standard Output LH High Output LVH Very High Output¹ C— Custom Output² ¹ Not available with Awash Kicker + WSP optic ² Contact Design Assist for available custom tuned output range.	27 2700k 30 3000k 35 3500k 40 4000k DW Dim-to-warm¹ TW Tunable White^{1,2} RW RGBW (full color + 3000k White)^{2,3} 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.	— 80+ CRI CRI 90+ CRI¹ ¹ Not offered with (TW) Tunable white or (DW) Dim-to-warm. Contact Design Assist to discuss RGBW possibilities.	U 120-277V 3 347V¹ ¹ Not available with LEDcode or EM.	HE HE Tech™ KS Awash Kicker + WISP¹ ¹ Not available with Very High Output. Painted filter panels required for exact lengths. We are unable to fully light some lengths.

MOUNTING	FINISH	DIMMING	EMERGENCY	SENSORS
S Aircraft Cable¹ P Rigid Stem² PV Swivel Stem² R Direct Wall Mount M— Mullion Blocks H— Horizontal Setoff Bracket JS Partial Span J Full Span F Ceiling/Surface Mount Black power cord provided for black and titanium finish and white power cord provided for all other fixture finishes, unless otherwise specified. ¹ Standard 48" field adjustable cable, specify length to nearest inch if over 48". ² Indicate stem length to nearest inch, 6.00" minimum - 98" maximum. Coupler and multiple stems will be provided to requests longer than 98". Longer stems with coupler not recommended if fixture is exposed to winds/swivel pendant stem. ³ Enter "1" for 1" depth. Enter "5" for 1/2" depth. ⁴ Enter "1" for 1" depth. Enter "5" for 1/2" depth. Not available with wet location.	W White B Black T Titanium O— Other¹ CBD SFH SPN SDW SCY LME SMN ¹ Specify RAL# or other custom color.	D Standard 0-10V dimming¹ D2 Phase dimming² D3 DMX 0.1% dim-to-dark D4 DALI dim-to-off (EldoLED) NAIR nLight @AIR (dim-to-off)³ NWIR nLight @Wired (dim-to-off) 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.	EC Circuited¹ E— Battery² Not available for 347V. See technical data for more information. Not available on fixtures < 4' length. 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. ² 4' fixtures will have a separate 2' EM circuit section. ³ Factory-installed emergency battery pack. Specify desired quantity of batteries.	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.

OPTIONS	
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 aircraft cable and horizontal setoff bracket. See guide and contact Design Assist. Special hardware is utilized for this rating.
³ Not available with aircraft cable and 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.

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

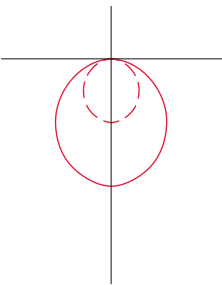
Photometric data

DIRECT SYMMETRIC

LVH - 4000K - HE TECH

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

LH ———
LS - - - - -

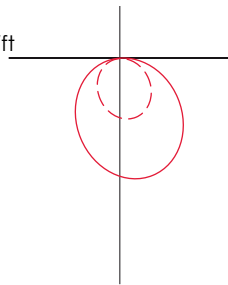


DIRECT ASYMMETRIC

LVH - 4000K - KS

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

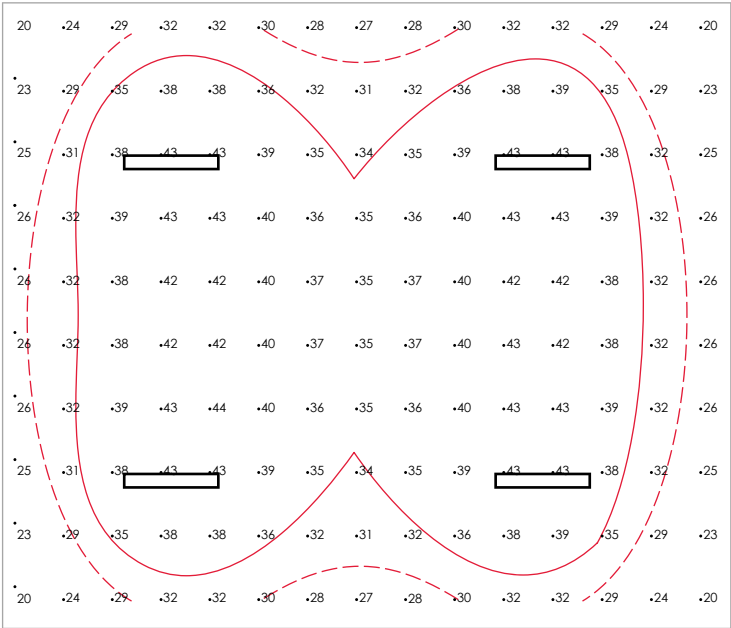
LH ———
LS - - - - -



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)



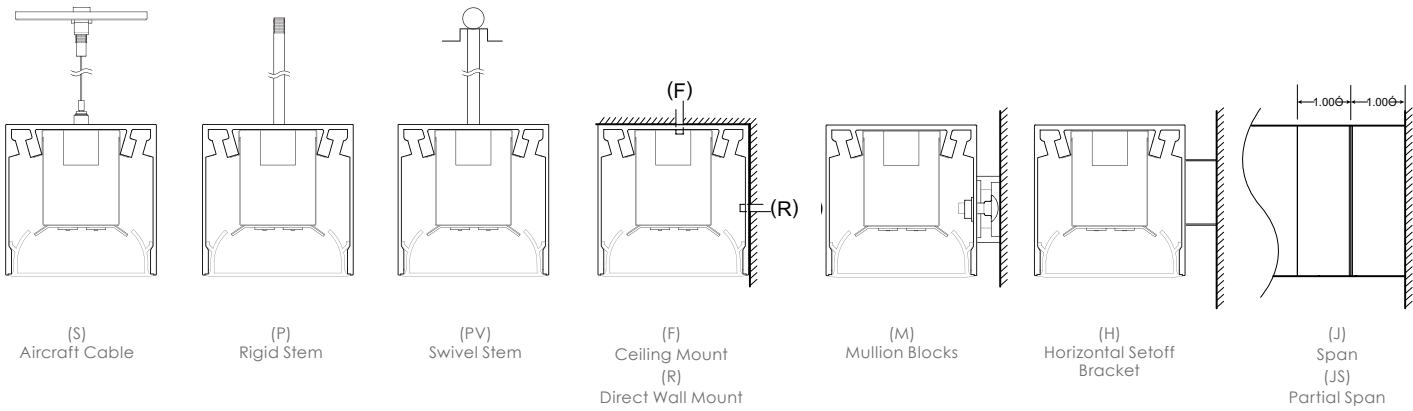
FRONT VIEW
34 fc: ———
30 fc: - - - - -

Light loss factors (LLF)

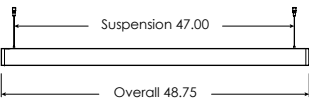
OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY			
				HE TECH		AWASH KICKER	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	103 lm/W	85 lm/W	86 lm/W	71 lm/W
	3500K	1	0.83	101 lm/W	84 lm/W	84 lm/W	70 lm/W
	3000K	0.97	0.81	98 lm/W	82 lm/W	81 lm/W	68 lm/W
	2700K	0.94	0.79	95 lm/W	80 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

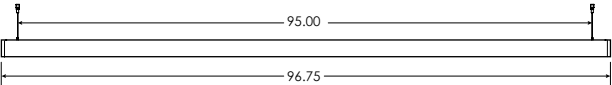
Mounting



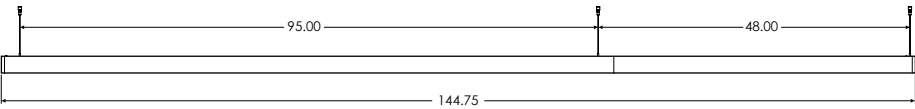
Mounting lengths



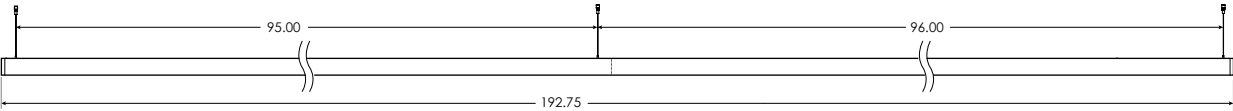
Nominal 4'



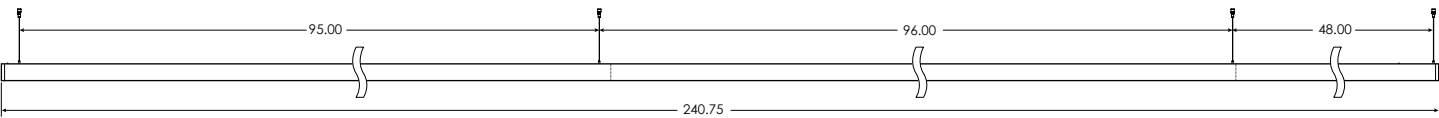
Nominal 8'



Nominal 12'



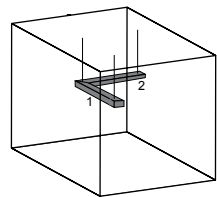
Nominal 16'



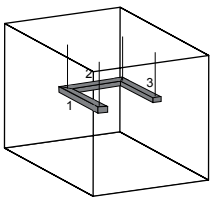
Nominal 20'

Standard patterns

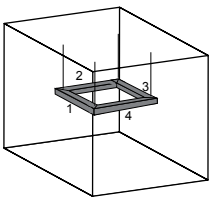
Corner detail



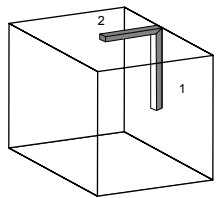
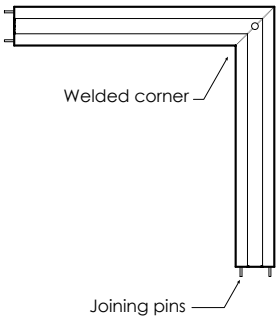
(PL) Ceiling only



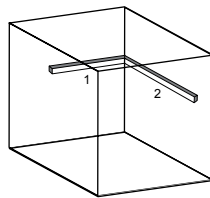
(PU) Ceiling only



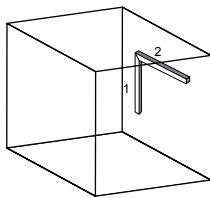
(PR) Ceiling only



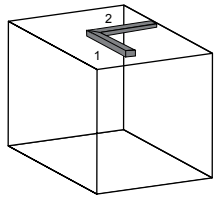
(PLCW) Wall to ceiling



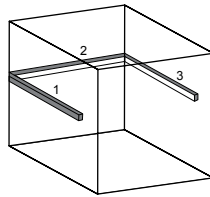
(PLWW) Wall to wall



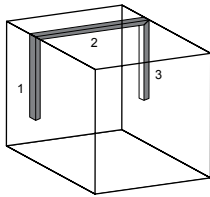
(PLW) Wall to ceiling
to wall



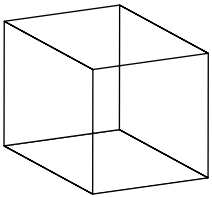
(PLC) Ceiling only



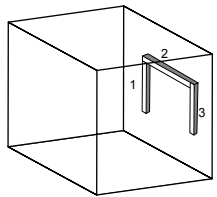
(PUWW) Wall to wall



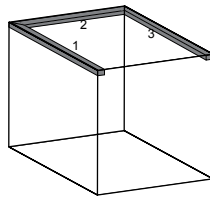
(PUCW) Wall to ceiling
to wall



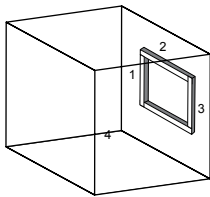
(CP) Custom pattern
*Contact Design Assist



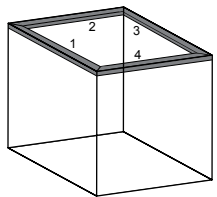
(PUW) Wall only



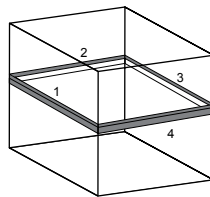
(PUC) Ceiling only



(PRW) Wall only



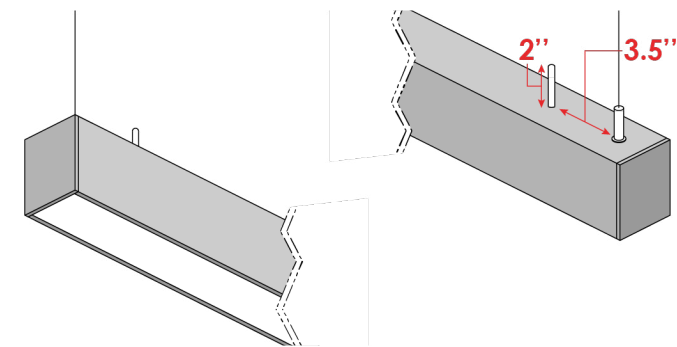
(PRC) Ceiling only



(PRWW) Rectangle wall
to wall

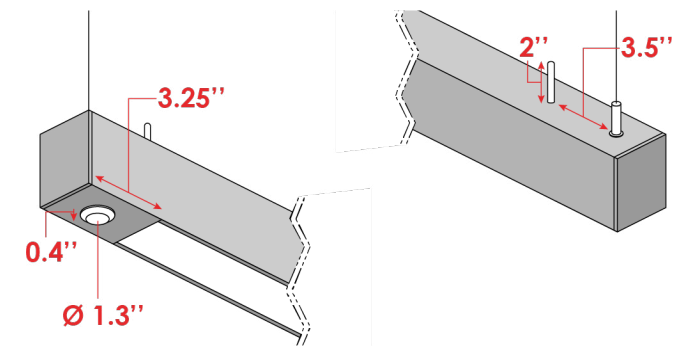
NLight dimensions

AIR : r10



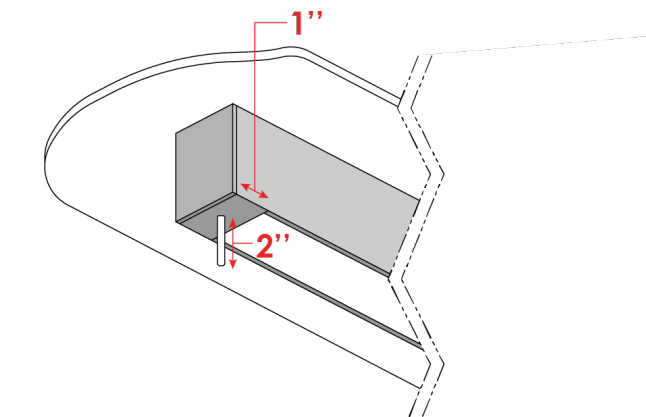
*Fixture mounted module for nLight AIR only.

AIR : res7



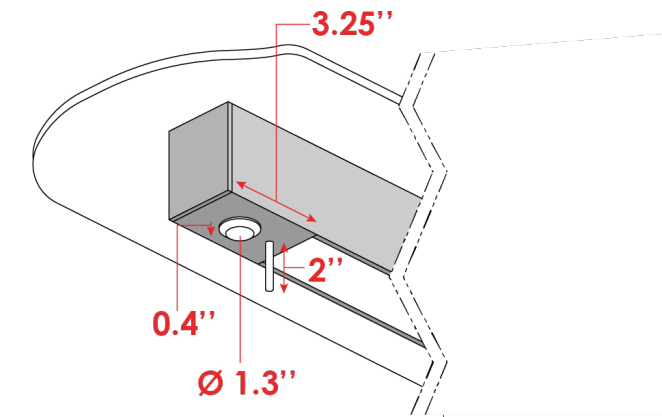
*Fixture mounted sensors and filler panel for nLight AIR only.

AIR : r10 Surface



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

AIR : res7 Surface



*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 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. Custom tuning available between LS and LVH for symmetric wide.

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

Suspension with aircraft cables or pendant stems, and full or partial span mounting available.

Aircraft cable set includes 48" standard length 1/16" stainless steel adjustable aircraft cables with secure micro grippers to field set suspension length, comes factory installed in fixture. 4-1/2" x 4-1/2" square white canopies. Cord strain also included. Power cord options available for aircraft cable. Black power cord provided for black and titanium finish, white power cord provided for all other fixture finishes unless otherwise specified.

Rigid pendant stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 6" minimum and up to 98" maximum. Anything longer will be made up of multiple stems with couplers, provided by factory. 5" square mono point white canopies.

Swivel stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 6" minimum and up to 98" maximum. Anything longer will be made up of multiple stems with couplers, provided by factory; longer stems that require couplers are not recommended to be installed in direct contact with wind that will create a swivel. 5" square mono point white 45 degree angle swivel stem.

Specify if other suspension length is required. Canopies provided as required for quantity of power feed and non power feed locations (crossbar included for powerfeed canopy only). Specify if other shape, size, or color is required.

Partial /Full span mounting conditions utilize special expansion joint end caps to mount fixture to wall (blocking required) and feed power through the end cap, specify end feed location.

Additional attachment hardware provided as required depending on partial span condition. Provide architectural details at time of ordering for inclusion in factory shop drawings; field verified dimensions required for full span mounting.

MOUNTING CONTD.

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.

The G3 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.

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.

WARRANTY

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