

ORDERING CODE

D1

D

PROJECT INFO

TYPE

DATE

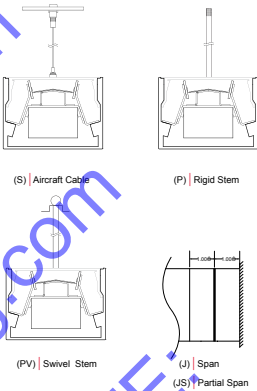
QUANTITY

PERFORMANCE AT 4000K

OUTPUT	DISTRIBUTION	NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
V. High	Symmetric Wide	1,648 lm/ft	20 W/ft	90 lm/W
High	Symmetric Wide	824 lm/ft	9.2 W/ft	90 lm/W
	Symmetric Narrow	1060 lm/ft	9.7 W/ft	109 lm/W
	Asymmetric	768 lm/ft	9.7 W/ft	79 lm/W
Standard	Symmetric Wide	412 lm/ft	5 W/ft	90 lm/W
	Symmetric Narrow	530 lm/ft	5 W/ft	109 lm/W
	Asymmetric	384 lm/ft	5 W/ft	79 lm/W

Custom tuning of 25% of LH to 100% of LVH for symmetric wide. Custom tuning of 25% to 125% of LH for symmetric narrow and asymmetric. Please consult factory for custom lumen output and wattage.

MOUNTING OPTIONS



D1	SERIES	LENGTH OF PATTERN TYPE	INTERSECTION TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE
D1	M_	Nominal Length* Exact Length**	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*	80+ CRI C_ 90+ CRI	U 120V - 277V 3 347V
	PL_	"L" Shape***					
	PU_	"U" Shape***					
	PR_	Rectangle / Square***					
	CP_	Custom Pattern****					
		*Specify in feet to the nearest foot (i.e. 12) **Specify in inches to then nearest 1/8 (i.e. M180.125) ***Specify in inches to the nearest 1/8 (See Pattern Guide) ****Contact Design Assist		*Available on "M" symmetric wide distribution only **Contact Design Assist for available custom tuned output range	*Standard CCT range is 27-50K. Contact Design Assist for custom range	*Not offered with (TW) Tunable White or (DW) Dim-to-warm	

D	INDIRECT DISTRIBUTION	INDIRECT OPTICS	MOUNTING	FINISH	DIMMING	EMERGENCY
M	Symmetric Wide	D Rigid Diffuse	S Aircraft Cable*	T Titanium	D Standard 0-10V dimming*	EC Emergency - circuited
G	Symmetric Narrow	Dust Cover	P Rigid Stem**	W White	D1 HiLume Ecosystems 1% (LdE1)	E_ Emergency - battery*
N	Asymmetric		PV Swivel Stem**	B Black	D2 Phase dimming**	
			JS Partial Span	O_ Other*	D3 DMX 0-1% dim-to-dark	
			J Full Span		D4 DALI dim-to-off	
					NAIR nLight @AIR (dim-to-off)***	
					NWIR nLight @Wired (dim-to-off)	
			*Standard 48" field adjustable cable, specify length to nearest inch if over 48". Black power cord provided for black and titanium finish and white power cord provided for all other fixture finishes, unless otherwise specified. **Indicate stem length to nearest inch. 1.00" minimum.	*Specify RAL*	*Dimming to 1% started for standard 0-10V dimming. **Reference ERP-PHB dimmer for compatible dimmers. ***nLight AIR components completely integrated into fixture	*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.

SENSORS	OPTIONS
OF Occupancy Sensor - Fixture PF Photocell / Daylight Sensor - Fixture OPF Occupancy & Daylight Sensor - Fixture	M Multi-Circuit* R Right Endcap Feed L Left Endcap Feed K Natatorium Application** Q Wet Location***
Sensor will be matched to dimming input.	*Submit multi-circuiting requirements **Not available with aircraft cable and horizontal setoff bracket. See guide and contact Design Assist. Special hardware is utilized for this rating. ***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.

LIGHT OUTPUT

DISTRIBUTION

Indirect Symmetric Wide
Indirect Symmetric Narrow
Indirect Asymmetric

OUTPUT

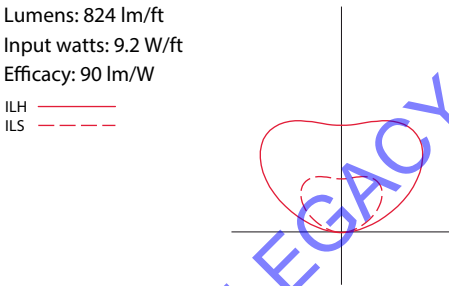
LVH: Very high output - 20 W/ft
LH: High output - 10 W/ft
LS: Standard output - 5 W/ft
C: Custom tuned output - Specify Wattage

LIGHT LOSS FACTORS

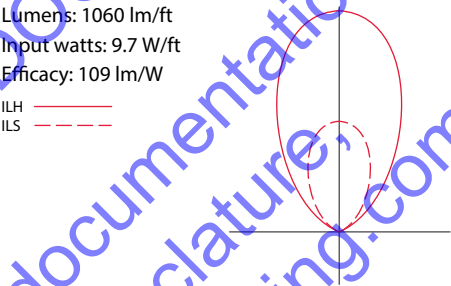
80+CRI, 4000K: Baseline
80+CRI, 3500K: 97%
80+CRI, 3000K: 94%
80+CRI, 2700K: 90%
90+CRI, 4000K: 88%
90+CRI, 3500K: 85%
90+CRI, 3000K: 80%
90+CRI, 2700K: 76%

PHOTOMETRIC DATA

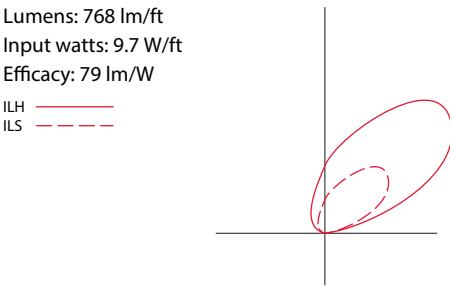
INDIRECT SYMMETRIC WIDE
LH - 4000K - DUST COVER



INDIRECT SYMMETRIC NARROW
LH - 4000K - DUST COVER



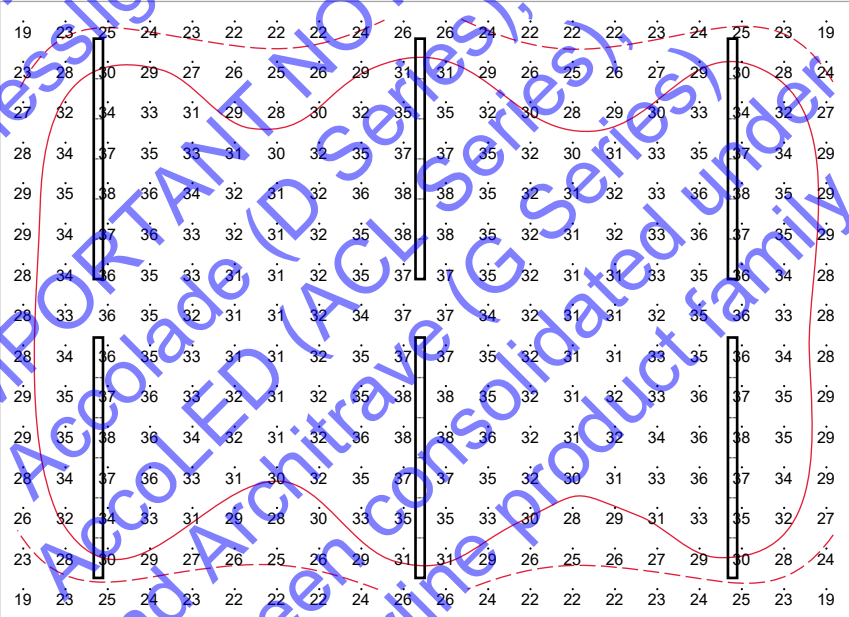
INDIRECT ASYMMETRIC
LH - 4000K - DUST COVER



SAMPLE INSTALLATION - WORKSPACE

SYM. WIDE LH / HP / 4000K

Room height: 40 ft x 30 ft x 10 ft
Reflectance: 80% / 50% / 20%
Mounting height: 8 ft A.F.F.
Fixture length: 12 ft rows
Calculation grid: 2 ft x 2 ft
Calculation plane (horizontal): 2.5 ft A.F.F.
Average Illuminance: 31 fc
Fixture spacing: 15 ft x 15 ft O.C.
Uniformity: 1.6:1 (avg/min)



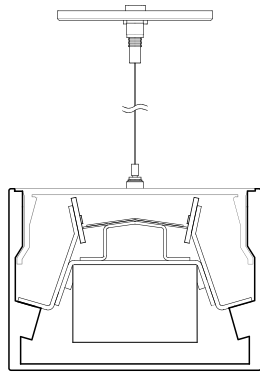
TOP VIEW
30 fc ———
25 fc - - - - -

LIGHT LOSS FACTORS (LLF)

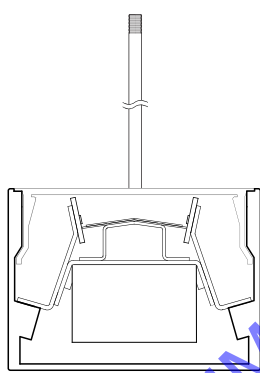
OUTPUT	CCT	INDIRECT					
		SYMMETRIC WIDE		SYMMETRIC NARROW		Asymmetric	
		CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +
LVH (very high)	4000k	1648 lm/ft	1455 lm/ft	-	-	-	-
	3500k	1613 lm/ft	1407 lm/ft	-	-	-	-
	3000k	1552 lm/ft	1330 lm/ft	-	-	-	-
	2700k	1493 lm/ft	1261 lm/ft	-	-	-	-
LH (high)	4000k	824 lm/ft	728 lm/ft	1060 lm/ft	936 lm/ft	768 lm/ft	678 lm/ft
	3500k	807 lm/ft	704 lm/ft	1038 lm/ft	905 lm/ft	752 lm/ft	656 lm/ft
	3000k	776 lm/ft	665 lm/ft	999 lm/ft	855 lm/ft	723 lm/ft	620 lm/ft
	2700k	747 lm/ft	630 lm/ft	960 lm/ft	811 lm/ft	696 lm/ft	588 lm/ft
LS (standard)	4000k	412 lm/ft	364 lm/ft	530 lm/ft	468 lm/ft	384 lm/ft	339 lm/ft
	3500k	403 lm/ft	352 lm/ft	519 lm/ft	453 lm/ft	376 lm/ft	328 lm/ft
	3000k	388 lm/ft	332 lm/ft	499 lm/ft	428 lm/ft	362 lm/ft	310 lm/ft
	2700k	373 lm/ft	315 lm/ft	480 lm/ft	405 lm/ft	348 lm/ft	294 lm/ft

Factors above for high output (LH).

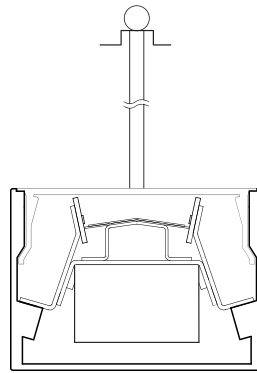
For standard output (LS) -50%.



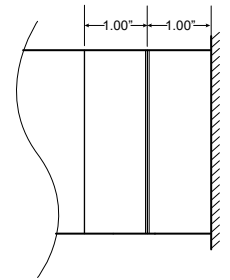
(S) Aircraft Cable



(P) Rigid Stem

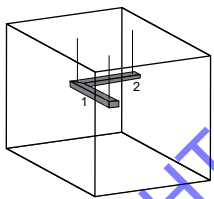


(PV) Swivel Stem

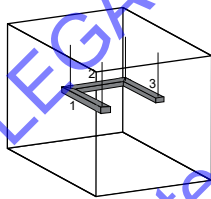


(J) Span
(JS) Partial Span

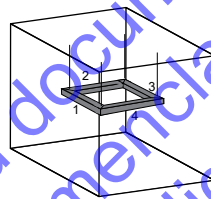
STANDARD PATTERNS



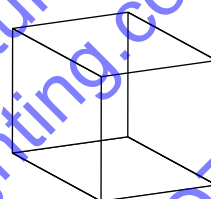
(PL)



(PU)

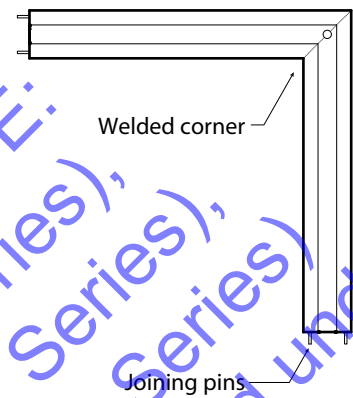


(PR)

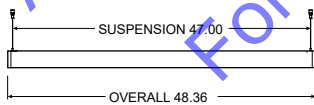


(CP)

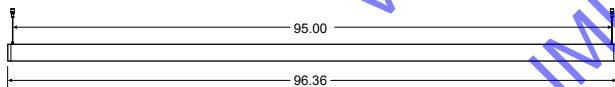
CORNER DETAIL



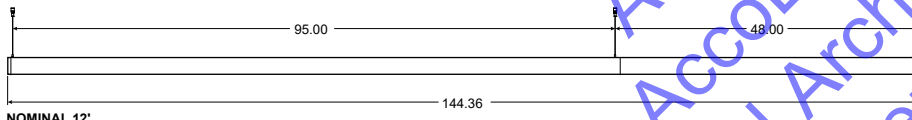
MOUNTING LENGTHS



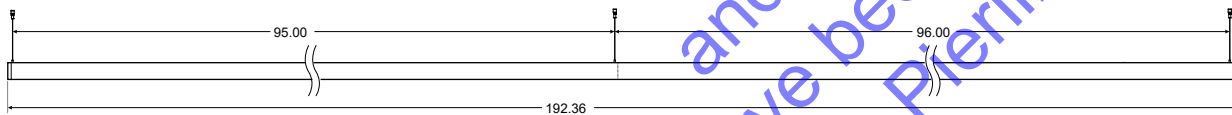
NOMINAL 4'



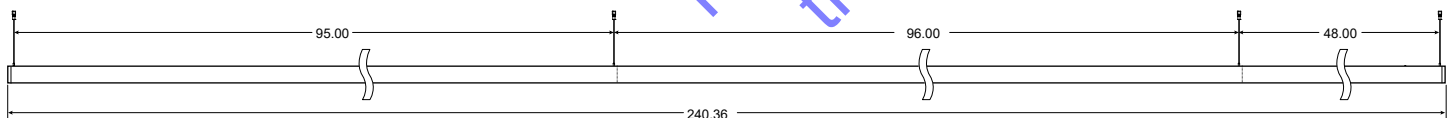
NOMINAL 8'



NOMINAL 12'



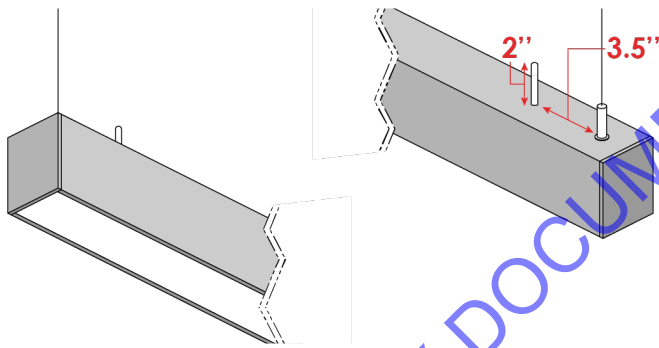
NOMINAL 16'



NOMINAL 20'

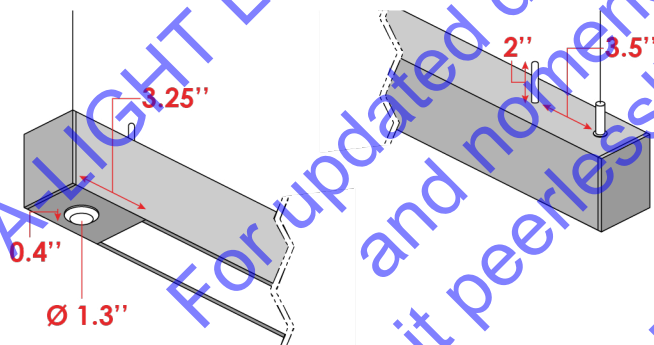
NLIGHT® DIMENSIONS

AIR : r10



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

AIR : res7



*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, minimum fixture lengths is 12 inches. 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

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 Low, Standard, and High outputs. Refer to photometry for delivered lumens. Custom output in the range of 25% to 125% of high output, contact factory. Custom tuning of 25% of LH to 100% of LVH for symmetric wide. Custom tuning of 25% to 125% of LH for symmetric narrow and asymmetric.

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. Other available drivers include Lutron Eco-system H-series (LDE1); Hi-lume™ 1% LED dimming driver with Soft On, Fade to Black; and DALI protocol drivers. Other Lutron and specialty drivers available, contact factory.

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

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, 1" minimum. 5" square mono point white canopies.

Swivel stem set includes 1/4" hollow white threaded rod for suspension and power feed, standard specification length, 1"

minimum. 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). 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.

STRUCTURE

Robust, high quality 60% recycled aluminum extruded housing. 0.040" thick aluminum internal gear trays. Diecast 3/8" thick aluminum end caps. Aluminum joiner brackets. 3 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

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.

WARRANTY

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