

ORDERING CODE

D1		
U	D	S
D	FT	

PROJECT INFO

TYPE

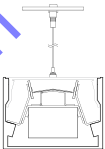
DATE

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

MOUNTING OPTIONS



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.

Fast track nomenclature only. For complete nomenclature see "standard" spec sheet.

D1					U		
SERIES	LENGTH OF PATTERN TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE	INDIRECT DISTRIBUTION	
D1	Nominal Length* Exact Length**	LS Standard Output LH High Output LVH Very High Output* C_ Custom Output**	27 2700K 30 3000K 35 3500K 40 4000K	80+ CRI 90+ CRI	U 120V - 277V	M Symmetric Wide G Symmetric Narrow N Asymmetric	
*Specify in feet to the nearest foot (i.e. 12) **Specify in inches to then nearest 1/8 (i.e. M180.125) *Available on "M" symmetric wide distribution only **Contact Design Assist for available custom tuned output range							

D	S			D	FT
INDIRECT OPTICS	MOUNTING	FINISH	DIMMING	OPTIONS	OTHER
D Rigid Diffuse Dust Cover	S Aircraft Cable* *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.	T Titanium W White B Black	D Standard 0-10V dimming* * 1% Dimming standard unless otherwise specified.	R Right Endcap Feed L Left Endcap Feed	FT Fast Track* *Option must be in part number in order to be considered fast track.

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

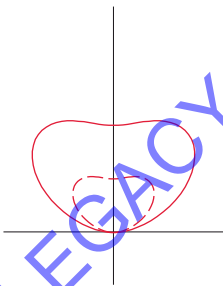
80+CRI, 4000K: Baseline
80+CRI, 3500K: 97%
80+CRI, 3000K: 94%
80+CRI, 2700K: 90%
90+CRI, 4000K: 88%
90+CRI, 3500K: 85%
90+CRI, 3000K: 80%
90+CRI, 2700K: 76%

PHOTOMETRIC DATA

INDIRECT SYMMETRIC WIDE
LH - 4000K - DUST COVER

Lumens: 824 lm/ft
Input watts: 9.2 W/ft
Efficacy: 90 lm/W

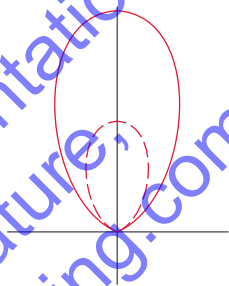
ILH ———
ILS - - - - -



INDIRECT SYMMETRIC NARROW
LH - 4000K - DUST COVER

Lumens: 1060 lm/ft
Input watts: 9.7 W/ft
Efficacy: 109 lm/W

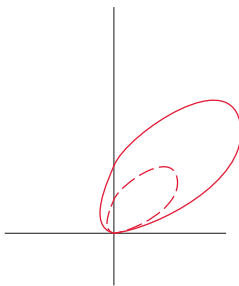
ILH ———
ILS - - - - -



INDIRECT ASYMMETRIC
LH - 4000K - DUST COVER

Lumens: 768 lm/ft
Input watts: 9.7 W/ft
Efficacy: 79 lm/W

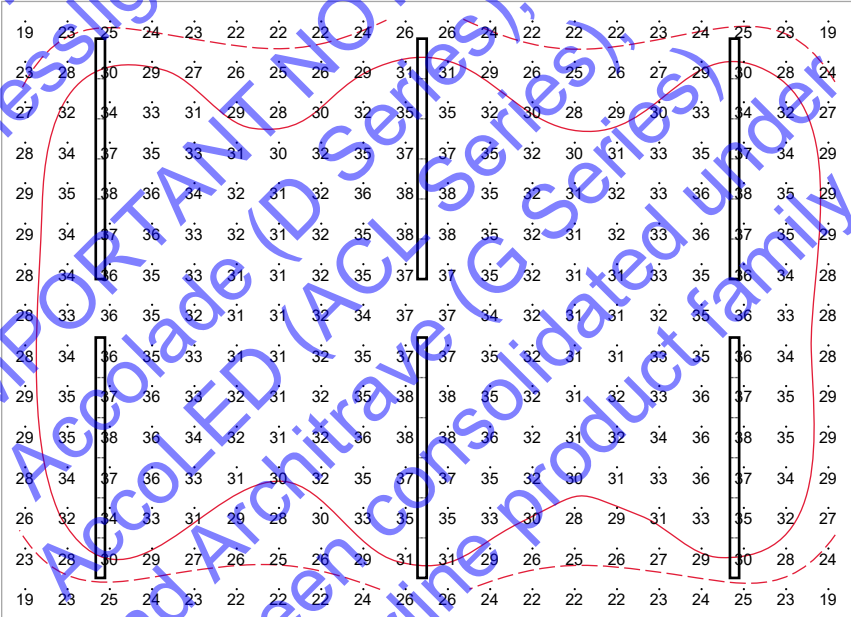
ILH ———
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SAMPLE INSTALLATION - WORKSPACE

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)

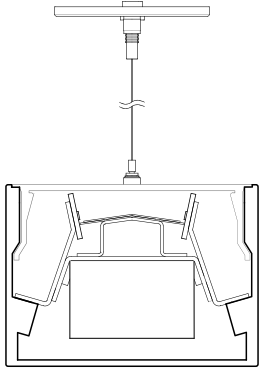


TOP VIEW
30 fc ———
25 fc - - - - -

LIGHT LOSS FACTORS (LLF)

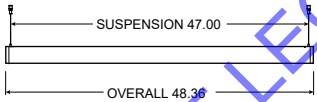
OUTPUT	CCT	INDIRECT					
		SYMMETRIC WIDE		SYMMETRIC NARROW		Asymmetric	
		CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +
LVH (very high)	4000k	1648 lm/ft	1455 lm/ft	-	-	-	-
	3500k	1613 lm/ft	1407 lm/ft	-	-	-	-
	3000k	1552 lm/ft	1330 lm/ft	-	-	-	-
	2700k	1493 lm/ft	1261 lm/ft	-	-	-	-
LH (high)	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%.

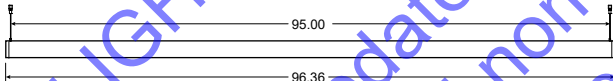


(S) Aircraft Cable

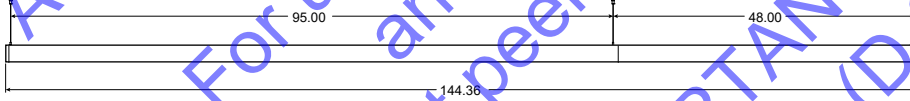
MOUNTING LENGTHS



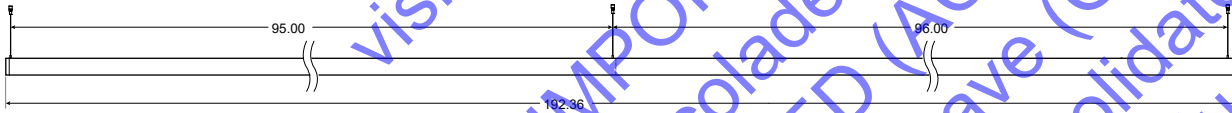
NOMINAL 4'



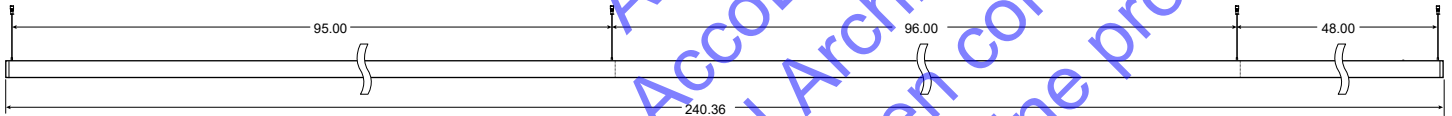
NOMINAL 8'



NOMINAL 12'



NOMINAL 16'



NOMINAL 20'

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.

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; 90+ CRI available. 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.

MOUNTING

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.

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.

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.

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/>