

ORDERING CODE

D4

D

PROJECT INFO

TYPE

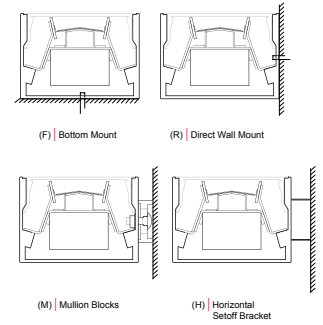
DATE

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

MOUNTING OPTIONS



Custom tuned output available from 25% to 125% of high output. Please consult factory for custom lumen output and wattage.

SERIES	LENGTH OF PATTERN TYPE	INTERSECTION TYPE	OUTPUT	LED CCT	LED CRI	VOLTAGE
D4	Nominal Length* 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*	80+ CRI 90+ CRI	U 120V - 277V 3 347V
*Specify in feet to the nearest foot (i.e. 12)		*Available on "M" symmetric wide distribution only		*Standard CCT range is 27-50K. Contact Design Assist for custom range		*Not offered with (TW) Tunable white or (DW) Dim-to-warm.
**Specify in inches to then nearest 1/8 (i.e. M180.125)		**Contact Design Assist for available custom tuned output range				
***Specify in inches to the nearest 1/8 (See Pattern Guide)						
****Contact Design Assist						

INDIRECT DISTRIBUTION	INDIRECT OPTICS	MOUNTING	FINISH	DIMMING	EMERGENCY
M Symmetric Wide* G Symmetric Narrow N Asymmetric	D Rigid Diffuse Dust Cover	R Direct Wall Mount M_ Mullion Blocks* H_ Horizontal Setoff Bracket** F Bottom / Surface Mount	T Titanium W White B Black O_ Other* CBD SFH SPN SDW SCY LME SMN	D Standard 0-10V dimming* D2 Phase dimming** D3 DMX 0.1% dim-to-dark D4 DALI dim-to-off	EC Emergency - circuited E_ Emergency - battery* Not available for 347V. See technical data for more information. Not available on fixtures < 4' length. *Factory-installed emergency battery pack. Specify desired quantity of batteries.
*Not recommended for wall mount		*Enter "1" for 1" depth. Enter "5" for 1/2" depth **Enter "1" for 1" depth. Enter "5" for 1/2" depth. Not available with wet location.	*Specify RAL#	*Dimming to 1% stated for standard 0-10V dimming **Reference ERP-PHB driver for compatible dimmers.	

OPTIONS	
M Multi-Circuit*	K Natatorium Application**
R Right Endcap Feed	Q Wet Location***
L Left Endcap Feed	MRI MRI

*Submit multi-circuiting requirements
 **Not available with horizontal setoff bracket. See guide and contact Design Assist. Special hardware is utilized for this rating.
 ***Not available with 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 Asymmetric
Indirect Symmetric Narrow

OUTPUT

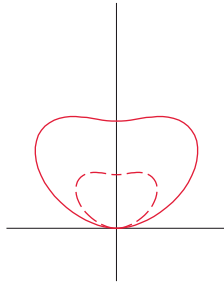
LH: High output - 10 W/ft
LS: Standard output - 5 W/ft
C: Custom tuned output - Specify Wattage

PHOTOMETRIC DATA

INDIRECT SYMMETRIC WIDE
LH - 4000K - DUST COVER

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

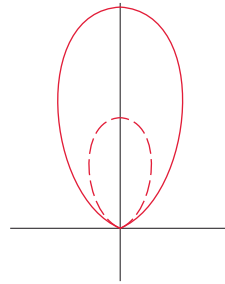
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INDIRECT SYMMETRIC NARROW
LH - 4000K - DUST COVER

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

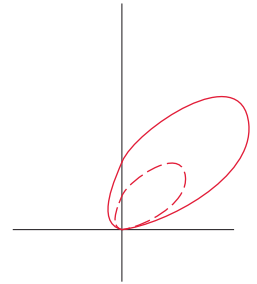
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INDIRECT ASYMMETRIC
LH - 4000K - DUST COVER

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

ILH ———
ILS - - - -

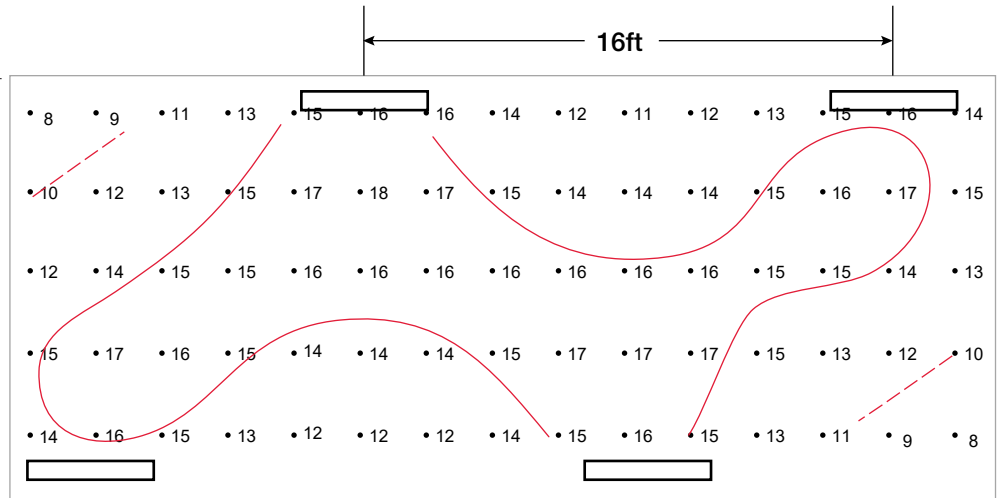


SAMPLE INSTALLATION - CORRIDOR

ASYMMETRIC - LH / 4000K

Room height: 10 ft x 30 ft x 9 ft
Reflectance: 80% / 50% / 20%
Mounting height: 7 ft A.F.F.
Fixture length: 4 ft
Calculation grid: 2 ft x 2 ft
Calculation plane (horizontal): 2.5 ft A.F.F.
Average Illuminance: 14 fc
Uniformity: 1.8:1 (avg/min)

TOP VIEW
15 fc ———
10 fc - - - -

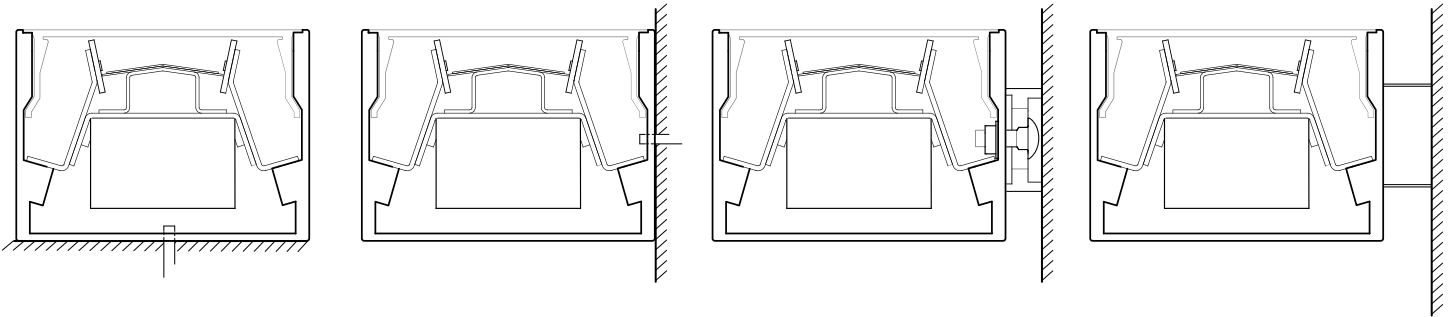


LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	INDIRECT					
		SYMMETRIC		SYMMETRIC NARROW		ASYMMETRIC	
		CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +	CRI 80 +	CRI 90 +
LVH (V.high)	4000k	1,648 lm/ft	1,455 lm/ft	-	-	-	-
	3500k	1,613 lm/ft	1,407 lm/ft	-	-	-	-
	3000k	1,552 lm/ft	1,330 lm/ft	-	-	-	-
	2700k	1,493 lm/ft	1,261 lm/ft	-	-	-	-
LH (high)	4000k	824 lm/ft	756 lm/ft	1061 lm/ft	937 lm/ft	768 lm/ft	678 lm/ft
	3500k	807 lm/ft	740 lm/ft	1039 lm/ft	906 lm/ft	752 lm/ft	656 lm/ft
	3000k	776 lm/ft	710 lm/ft	999 lm/ft	856 lm/ft	723 lm/ft	620 lm/ft
	2700k	747 lm/ft	687 lm/ft	961 lm/ft	812 lm/ft	696 lm/ft	588 lm/ft
LS (standard)	4000k	412 lm/ft	364 lm/ft	504 lm/ft	445 lm/ft	384 lm/ft	339 lm/ft
	3500k	403 lm/ft	352 lm/ft	493 lm/ft	430 lm/ft	376 lm/ft	328 lm/ft
	3000k	388 lm/ft	332 lm/ft	474 lm/ft	406 lm/ft	362 lm/ft	310 lm/ft
	2700k	373 lm/ft	315 lm/ft	456 lm/ft	385 lm/ft	348 lm/ft	294 lm/ft

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

MOUNTING



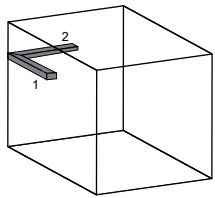
(F) | Bottom mount

(R) | Direct wall mount

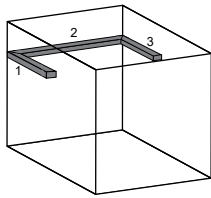
(M) | Mullion blocks

(H) | Horizontal setoff bracket

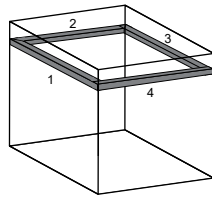
STANDARD PATTERNS & CORNER DETAIL



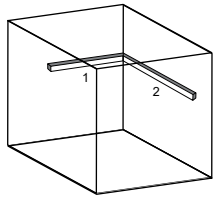
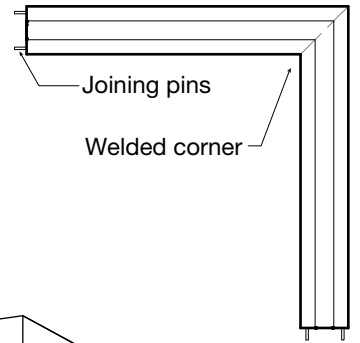
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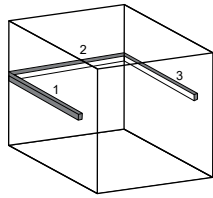
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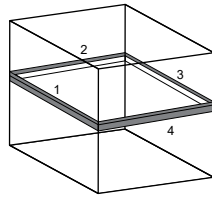
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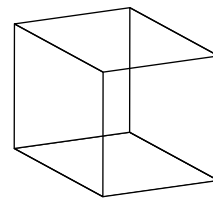
(PLWW) | Wall to wall



(PUWW) | Wall to wall



(PRWW) | Rectangle wall to wall



(CP) | Custom pattern

*Contact Design Assist

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 this specification sheet.

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.

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

nLight enabled, remote mounted controls provided by others. Please contact an Acuity controls representative for more information.

MOUNTING

Direct Wall mounting is ADA compliant. Fixture mounts directly to surface requiring 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.

Mullion Blocks are used to mount fixture to a horizontal or vertical window mullion and can also be used to offset fixture from wall. 1/2" or 1" deep milled aluminum blocks are available standard, 3/8" and 2" deep blocks also available upon request. (2) blocks provided for fixtures 8ft or less, fixtures larger than 8ft provided with (3) blocks every 12ft. 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.

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. 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/GSA 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/>