

ORDERING CODE

<b>G5</b>	<b>U</b>	<b>FT</b>	<b>D</b>
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PROJECT INFO

TYPE

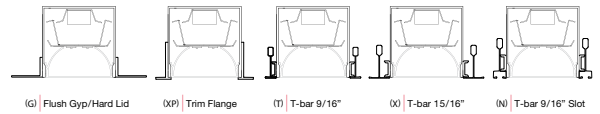
DATE

QUANTITY

PERFORMANCE AT 4000K

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

MOUNTING OPTIONS



Custom tuned output available. Please consult factory for available custom lumen output and wattage. Custom tuning available between LS and LVH for symmetric wide. Custom tuning of 25% to 125% of LH for asymmetric Awash Kicker + Wisp Lens..

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

G5	LENGTH OR PATTERN TYPE	OUTPUT	LED CCT	LED CRI	U	DIRECT OPTICS	MOUNTING
G5	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	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
*Specify in feet to the nearest foot (i.e. 12) **Specify in inches to then nearest 1/8 (i.e. M180.125)		*Not available with Awash Kicker + WISP optic **Contact Design Assist for available custom tuned output range.				*Not available with Very High Output. Painted filler panels required for exact lengths. We are unable to fully light some lengths.	

FINISH*	DIMMING	OPTIONS	OTHER
T Titanium W White B Black	D Standard 0-10V dimming*	R Right Endcap Feed L Left Endcap Feed CP Chicago Plenum Q Wet Location*	FT Fast Track*
*Specify finish for RG and XP mounting.	*Dimming to 1% stated for standard 0-10V dimming	*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.	*Option must be in part number in order to be considered fast track.

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

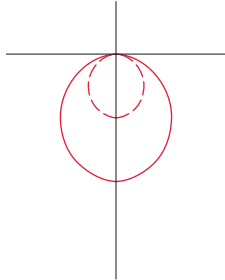
PHOTOMETRIC DATA

DIRECT SYMMETRIC

LH - 4000K - HE TECH

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

LH ———  
LS - - - -

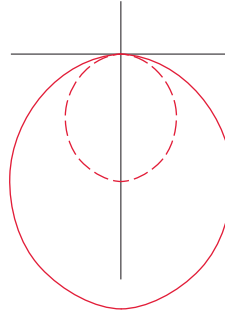


DIRECT SYMMETRIC

LVH - 4000K - HE TECH

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

LVH ———  
LS - - - -

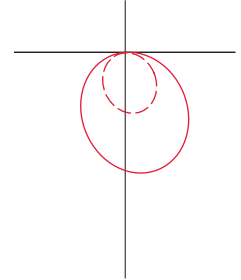


DIRECT ASYMMETRIC

LH - 4000K - KS

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

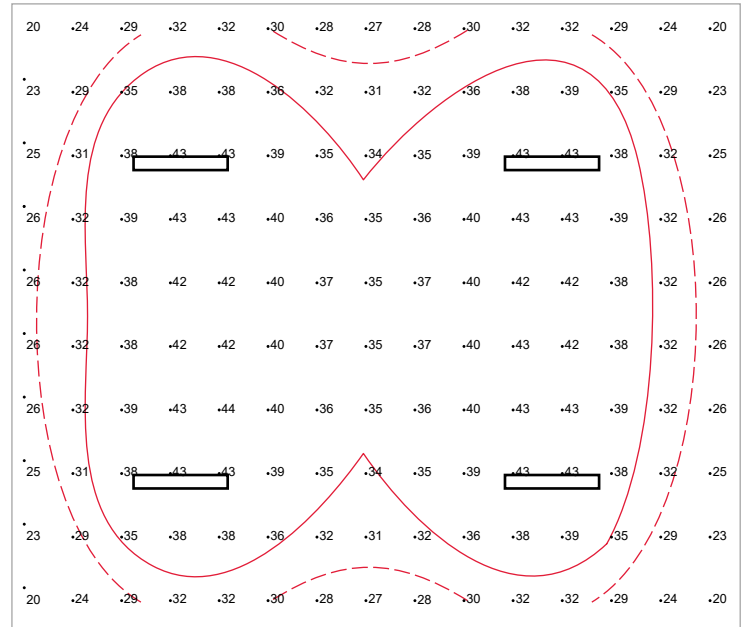
LH ———  
LS - - - -



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)



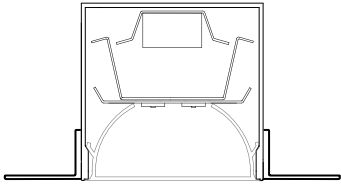
TOP VIEW

35 fc ———  
30 fc - - - -

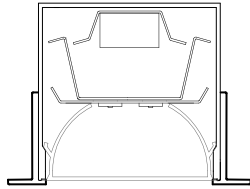
LIGHT LOSS FACTORS (LLF)

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

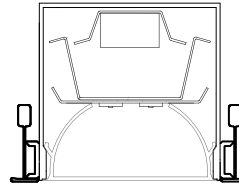
Factors above for high output (LH).  
For standard output (LS) -50%.



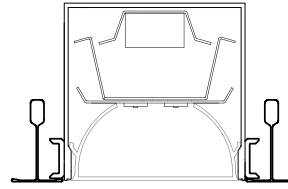
(G) | Flush Gyp/Hard Lid



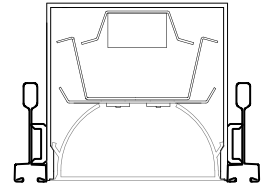
(XP) | Trim Flange



(T) | T-bar 9/16"



(X) | T-bar 15/16"



(N) | T-bar 9/16" Slot

**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**

*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.

**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.

**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/>