

ORDERING CODE

<b>D7</b>		
<b>U</b>	<b>H</b>	<b>D</b>

PROJECT INFO

TYPE

DATE

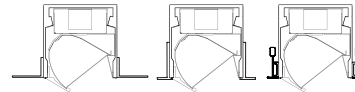
QUANTITY

PERFORMANCE AT 4000K

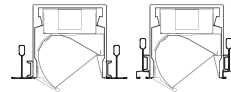
	NOMINAL LUMEN OUTPUT	INPUT WATTS	EFFICACY
OUTPUT			
<b>High</b>	<b>587 lm/ft</b>	<b>9.5 W/ft</b>	<b>62 lm/W</b>
<b>Standard</b>	<b>294 lm/ft</b>	<b>5 W/ft</b>	<b>62 lm/W</b>

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

MOUNTING OPTIONS



(G) | Flush Gyp / Hard Lid (XP) | Trim Flange (T) | T-Bar 9/16



(X) | T-Bar 15/16 (N) | T-Bar 9/16 Slot

D7					<b>U</b>	<b>H</b>
SERIES	LENGTH	OUTPUT	LED CCT	LED CRI	VOLTAGE	DIRECT OPTICS
D7	<b>M_</b> Nominal Length* <b>M_</b> Exact Length**	<b>LS</b> Standard Output <b>LH</b> High Output <b>C_</b> Custom Output*	<b>27</b> 2700K <b>30</b> 3000K <b>35</b> 3500K <b>40</b> 4000K	<b>CRI</b> 80+ CRI 90+ CRI	<b>U</b> 120V - 277V	<b>H</b> HTD Lens™
*Specify in feet to the nearest foot (i.e. 12) **Specify in 6" increments (i.e. M198.00)		*Available from 25% to 125% of LED High Output				*For wall mountings beam direction points away of wall. Contact Design assist for different beam optic direction.

		<b>D</b>	
MOUNTING	FINISH	DIMMING	OPTIONS
<b>G</b> Flush Gyp / Mud Over Flange <b>XP</b> 1/2" Trim Flange <b>T</b> T-Bar 9/16" <b>X</b> T-Bar 15/16" <b>N</b> T-Bar 9/16 Slot	<b>T</b> Titanium <b>W</b> White <b>B</b> Black	<b>D</b> Standard 0-10V*	<b>CP</b> Chicago Plenum
*Housing slightly regressed		*1% Dimming standard unless otherwise specified.	

LIGHT OUTPUT

DISTRIBUTION

Direct Asymmetric

OUTPUT

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%

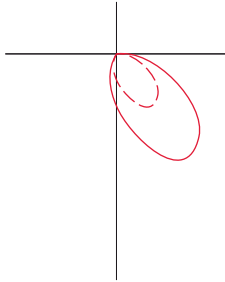
PHOTOMETRIC DATA

DIRECT ASYMMETRIC

LH - 4000K - HTD LENS

Lumens: 587 lm/ft  
 Input watts: 9.5 W/ft  
 Efficacy: 62 lm/W

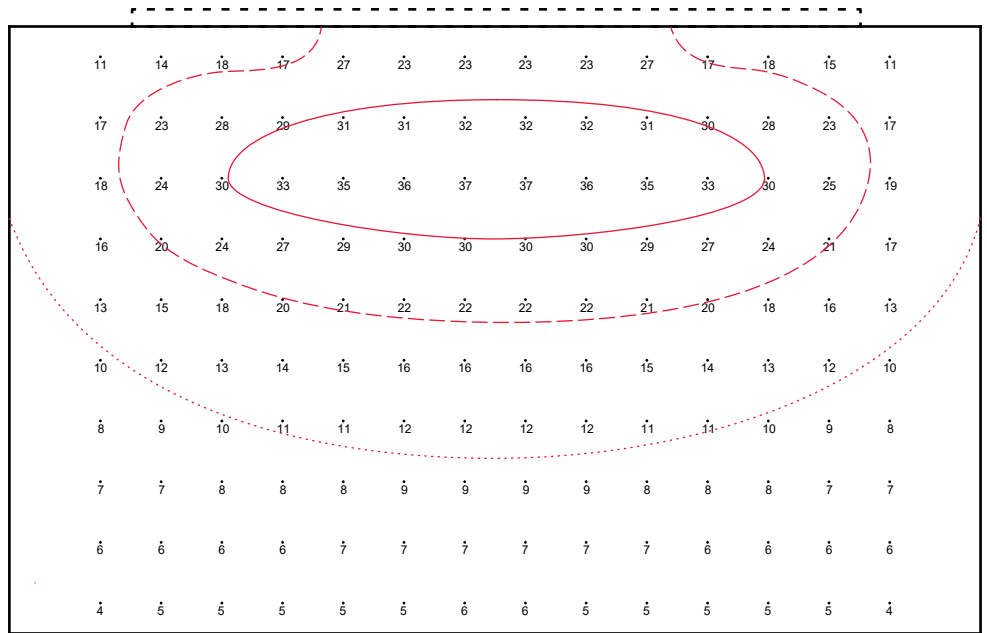
DLH   
 DLS 






SAMPLE INSTALLATION - ACCENT WALL

LH DOWN / 4000K

Wall height: 10 ft  
 Reflectance: 80% / 50% / 20%  
 Mounting height: 10 ft A.F.F.  
 Distance from wall: 3 ft  
 Fixture length: 12 ft  
 Calculation grid: 1 ft x 1 ft  
 Calculation plane (vertical): On wall  
 Average Illuminance (E<sub>v</sub>): 16 fc  
 Uniformity: 9.3:1 (max/min)

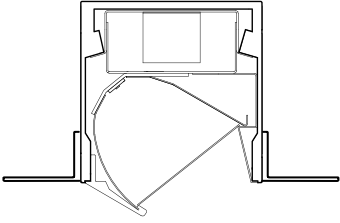


TOP VIEW  
 30 fc   
 20 fc   
 10 fc 

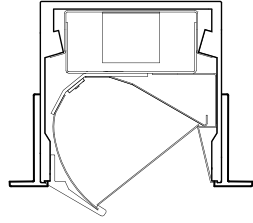
LIGHT LOSS FACTORS (LLF)

OUTPUT	CCT	DIRECT	
		HTD lens™	
		CRI 80 +	CRI 90 +
LH <small>(high)</small>	4000k	587 lm/ft	518 lm/ft
	3500k	575 lm/ft	501 lm/ft
	3000k	553 lm/ft	474 lm/ft
	2700k	532 lm/ft	449 lm/ft
LS <small>(standard)</small>	4000k	294 lm/ft	260 lm/ft
	3500k	288 lm/ft	251 lm/ft
	3000k	277 lm/ft	237 lm/ft
	2700k	266 lm/ft	225 lm/ft

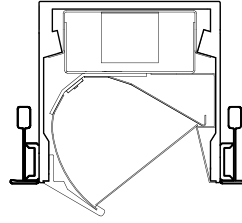
Factors above for high output (LH).  
For standard output (LS) -50%.



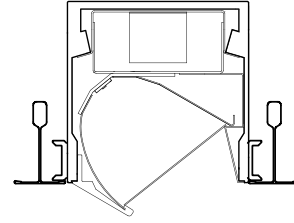
(G) | Flush Gyp/Hard Lid



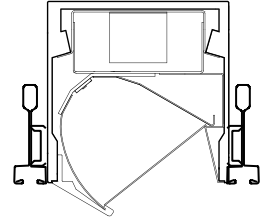
(XP) | Trim Flange



(T) | T-bar 9/16"



(X) | T-bar 15/16"



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

**LINEAR DIMENSIONS**

Nominal or exact lengths in 6" increments available as individual fixtures or joined to create continuous row lengths.

**OPTICS**

HTD™ lens is a high performance polycarbonate opal lens. An optimized surface texture plus advanced diffusing additives produce an impressive 93% transmission while eliminating LED hotspots.

**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.

**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**

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. 4 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.

**WARRANTY**

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