

D7

D7 is the semi-recessed wall wash addition to our 3-1/2" wide accolade series. A smooth wall wash distribution is achieved through combining an extended aluminum extruded kicker and HTD optic.

5Y

Warranty

DAMP

Location

eldoLED

Drivers

nLIGHT

Controls

UL US

Certified

BAA

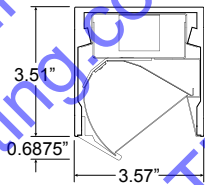
Buy American

Performance

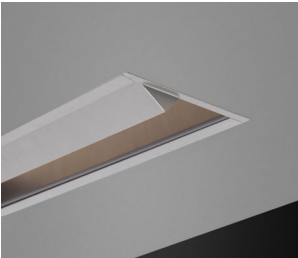
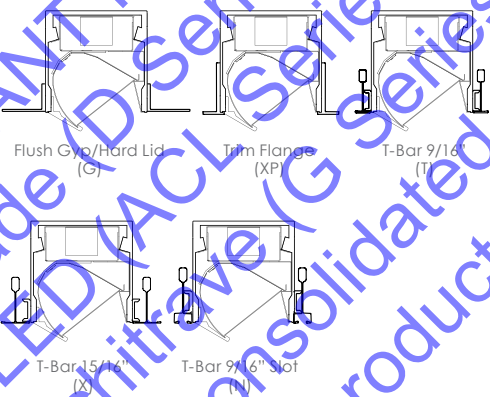
OUTPUT	DELIVERED		
	LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	854 lm/ft	13.5 W/ft	63 lm/W

For the complete photometric data of this fixture refer to page 2. Please consult factory for custom lumen output and wattage.

Dimensions



Mounting options



Need help?
Don't see what you need?
We know that having so many options can be overwhelming. Please reach out to our factory for any specific request or questions you have.

Our Design Assist team (designassist@alights.com) is here to make the process move smoothly.

D7											
SERIES	LENGTH		OUTPUT		LED CCT		CRI	VOLTAGE		DIRECT OPTICS	
D7	<u> </u> M_	Nominal Length ¹ Exact Length ²	LS	Standard Output	27	2700k	80+ CRI	U	120-277V	H	HTD Lens™
			LH	High Output	30	3000k	CRI				
			LVH	Very high Output	35	3500k	90+ CRI				
			C_	Custom Output ¹	40	4000k					
¹ Specify in feet to the nearest foot (i.e. 12)			¹ Contact Design Assist for custom tuning or non-standard light outputs.				¹ For wall mountings beam direction points away from wall. Contact Design Assist for different beam optic direction.				
² Specify in 6" increments (i.e. M198.00)											

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

Light distribution

DISTRIBUTION

Direct Asymmetric

OUTPUT (DC)

LVH: Very high output - 13.5
LH: High output - 9.5 W/ft
LS: Standard output - 5 W/ft
C: Custom tuned output - Contact Design Assist

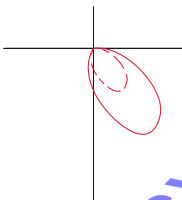
Photometric data

DIRECT ASYMMETRIC

LVH- 4000K - HTD LENS

Lumens: 854 lm/ft
Input watts: 13.5 W/ft
Efficacy: 63 lm/W

DLH ———
DLS - - - - -



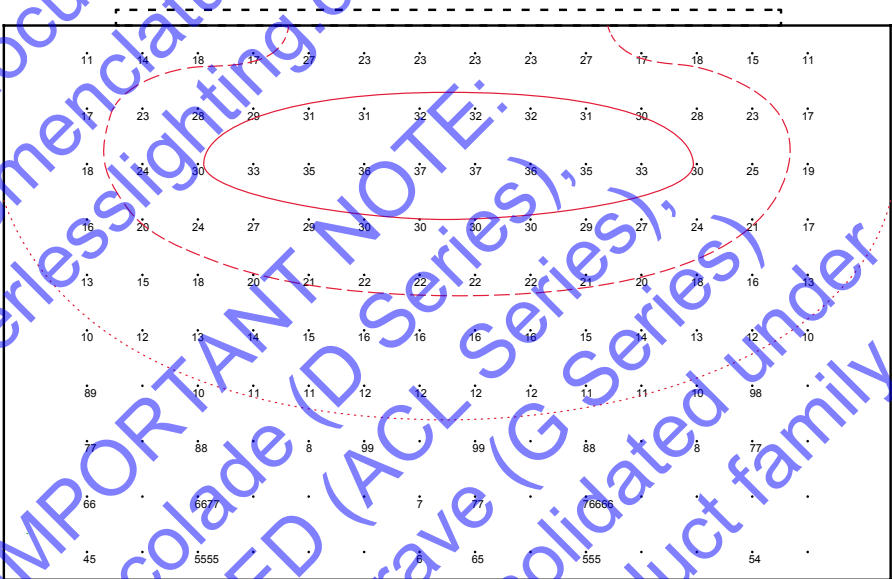
Sample installation - Accent wall

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 (Ev): 16 fc
Uniformity: 9.3:1 (max/min)

TOP VIEW

30 fc: ———
20 fc: - - - - -
10 fc:

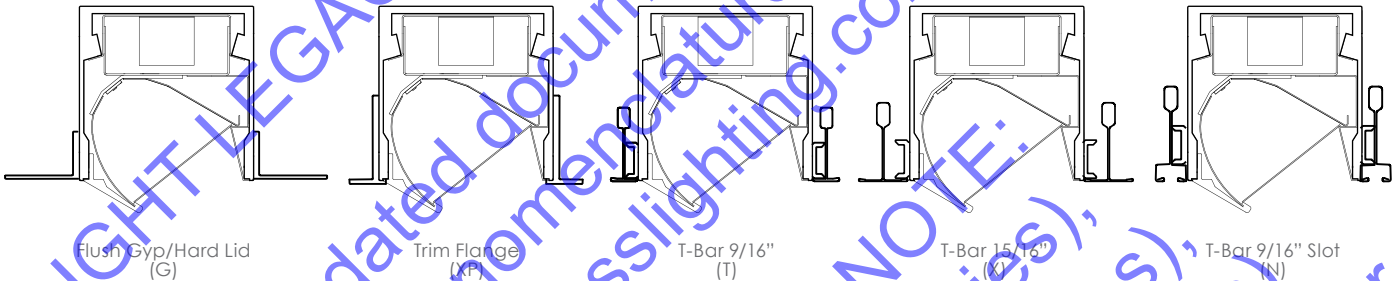


Light loss factors (LLF)

OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY	
				HTD LENS™	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	63 lm/W	52 lm/W
	3500K	1	0.83	62 lm/W	51 lm/W
	3000K	0.97	0.81	60 lm/W	50 lm/W
	2700K	0.94	0.79	58 lm/W	49 lm/W
LH (high)	4000K	1.02	0.84	63 lm/W	52 lm/W
	3500K	1	0.83	62 lm/W	51 lm/W
	3000K	0.97	0.81	60 lm/W	50 lm/W
	2700K	0.94	0.79	58 lm/W	49 lm/W
LS (standard)	4000K	1.02	0.84	63 lm/W	52 lm/W
	3500K	1	0.83	62 lm/W	51 lm/W
	3000K	0.97	0.81	60 lm/W	50 lm/W
	2700K	0.94	0.79	58 lm/W	49 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT	
				HTD LENS™	
		CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.02	0.84	854 lm/ft	703 lm/ft
	3500K	1	0.83	837 lm/ft	695 lm/ft
	3000K	0.97	0.81	812 lm/ft	678 lm/ft
	2700K	0.94	0.79	787 lm/ft	661 lm/ft
LH (high)	4000K	1.02	0.84	601 lm/ft	495 lm/ft
	3500K	1	0.83	589 lm/ft	489 lm/ft
	3000K	0.97	0.81	571 lm/ft	477 lm/ft
	2700K	0.94	0.79	554 lm/ft	465 lm/ft
LS (standard)	4000K	1.02	0.84	316 lm/ft	260 lm/ft
	3500K	1	0.83	310 lm/ft	257 lm/ft
	3000K	0.97	0.81	301 lm/ft	251 lm/ft
	2700K	0.94	0.79	291 lm/ft	245 lm/ft

Mounting



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 Standard, High and Very High outputs. Refer to photometry for delivered lumens.

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 of 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. 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.

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.

The D7 is assembled in the U.S.A. and complies with the Buy America(n) Act (BAA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

Please refer to the full terms and conditions on our website: www.qlights.com/downloads/warranty/