

APX6

APX6 is a powerful luminaire that offers impressively precise beam angles. APX6 provides high performance light without the distraction of a visible light source due to its recessed cell technology and dark aperture.

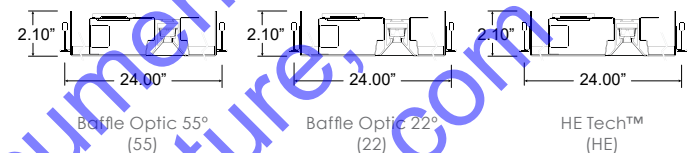


Performance

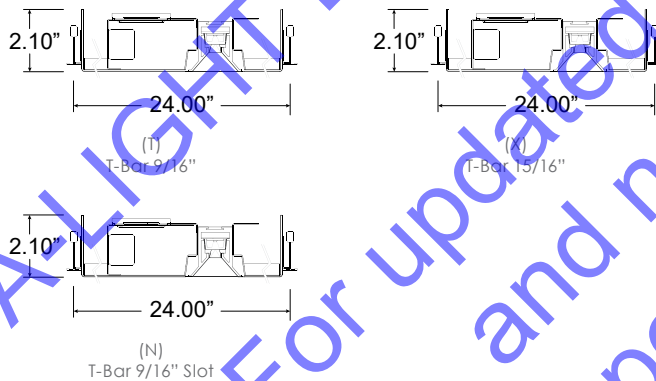
OUTPUT	OPTICS	DELIVERED		
		LUMEN OUTPUT	INPUT WATTS	EFFICACY
LVH (Very high)	55°	1326 lm/ft	17 W/ft	78 lm/W
	22°	1615 lm/ft	17 W/ft	95 lm/W
	HE Tech™	525 lm/ft	10.5 W/ft	50 lm/W

Based on static white 3500K 55° optic APEX fixture. For the complete photometric data of this fixture refer to pages 2 and 3.

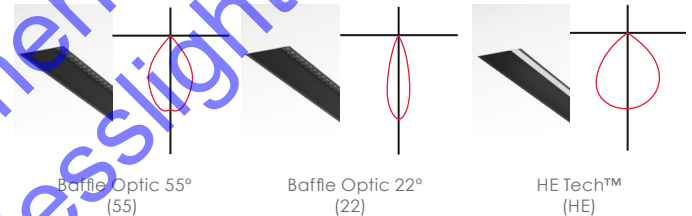
Dimensions



Mounting options



Lens options



APX6										
SERIES	LENGTH		OUTPUT		LED CCT	CRI	VOLTAGE	DIRECT OPTICS		
APX6	1	Nominal 1' Lighted Section, 2x2 Panel	LH	High Output	30	3000k	U	120-277V	55	Baffled optic 55 Degree
			LVH	Very high Output	35	3500k	3	347V	22	Baffled optic 22 Degree
					40	4000k			HE	HE Tech

¹ Not available with LEDcode or EM.

MOUNTING		FINISH	TRIM BAFFLE FINISH	DIMMING		EMERGENCY
T	T-Bar 9/16"	W Textured White	B Black	D	Standard 0-10V dimming ¹	E_ Battery ¹
X	T-Bar 15/16"			D2	Phase dimming ²	
N	T-Bar 9/16" slot			D3	DMX 0.1% dim-to-dark	
				D4	DALI dim-to-off	

¹ 1% dimming standard unless otherwise specified.

² Reference EKP-PHB driver for compatible dimmers.

¹ (1) ILB-SL-CP12 (1200lm for 90min). Specify desired quantity of batteries. Remote mounted only.



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.

Light distribution

DISTRIBUTION

Direct Symmetric

OUTPUT (DC)

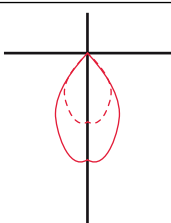
LVH: Very high output - 17 W/ft (22° and 55°)
LVH: Very high output - 10.5 W/ft (HE)
LH: High output - 13.5 W/ft (22° and 55°)
LH: High output - 8 W/ft (HE)

Photometric data

DIRECT SYMMETRIC
LVH - 4FT - 3500K - 55°

Lumens: 1615 lm/ft
Input watts: 17 W/ft
Efficacy: 78 lm/W

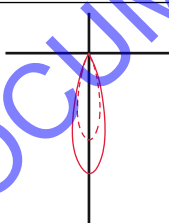
LH: _____
LS: - - - - -



DIRECT SYMMETRIC
LVH - 4FT - 3500K - 22°

Lumens: 1326 lm/ft
Input watts: 17 W/ft
Efficacy: 95 lm/W

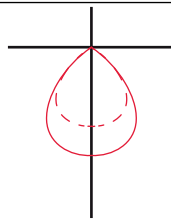
LH: _____
LS: - - - - -



DIRECT SYMMETRIC
LVH - 4FT - 3500K - HE Lens

Lumens: 525 lm/ft
Input watts: 10.5 W/ft
Efficacy: 50 lm/W

LH: _____
LS: - - - - -



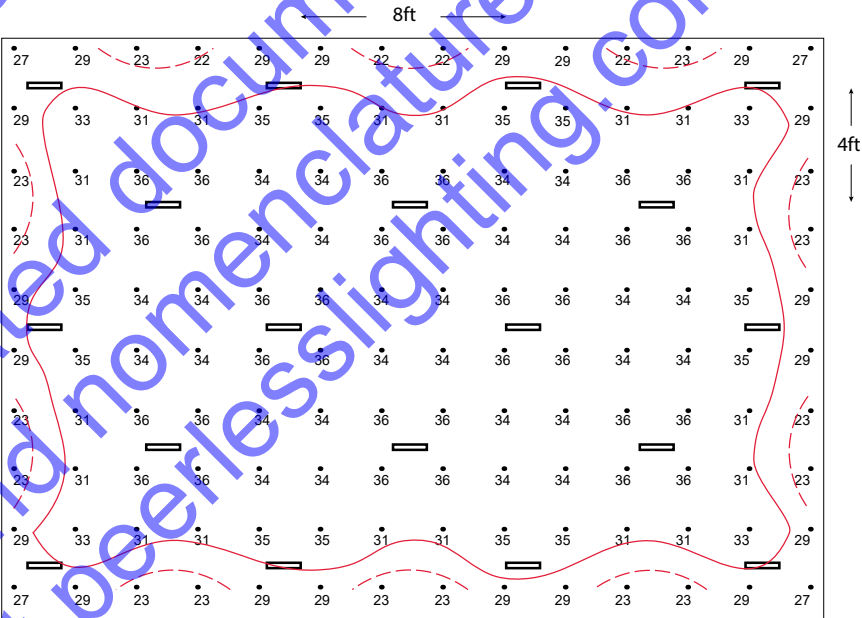
Sample Installation - Workspace

LH DOWN - 4000K

Wall height: 28' X 20' X 9'
Reflectance: 80% / 50% / 20%
Mounting height: 9 ft A.F.F.
Distance from wall: 1 ft
Fixture length: 1 ft
Calculation grid: 2 ft x 2 ft
Calculation plane (Horizontal): 2.5' ft A.F.F.
Average Illuminance: 32 fc
Uniformity: 1.64 (avg/min.)

TOP VIEW

30 fc: _____
20 fc: - - - - -

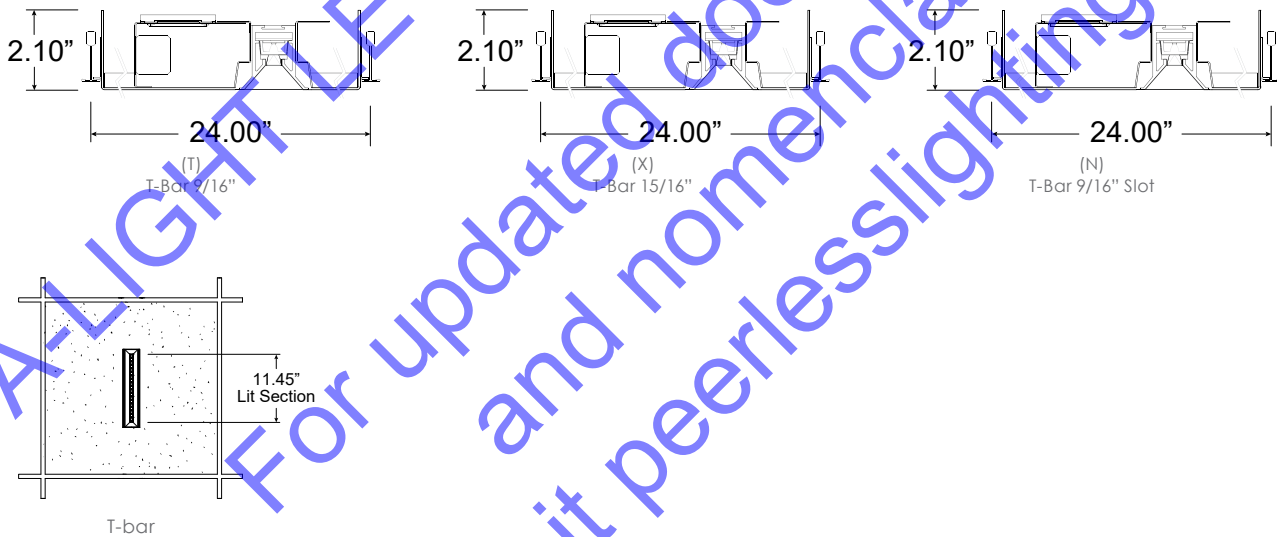


Light loss factors (LLF)

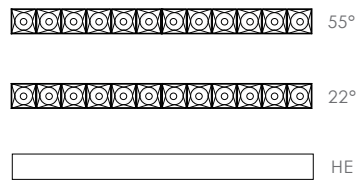
OUTPUT	CCT	LLF RATIO		DIRECT EFFICACY					
				22" BAFFLE		55" BAFFLE		HE TECH	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.03	0.85	98 lm/W	81 lm/W	80 lm/W	66 lm/W	52 lm/W	43 lm/W
	3500K	1	0.82	95 lm/W	78 lm/W	78 lm/W	64 lm/W	50 lm/W	41 lm/W
	3000K	0.98	0.79	93 lm/W	75 lm/W	76 lm/W	62 lm/W	49 lm/W	40 lm/W
	2700K	0.96	0.74	91 lm/W	70 lm/W	75 lm/W	58 lm/W	48 lm/W	37 lm/W
LH (high)	4000K	1.03	0.85	100 lm/W	82 lm/W	82 lm/W	68 lm/W	56 lm/W	46 lm/W
	3500K	1	0.82	97 lm/W	80 lm/W	80 lm/W	66 lm/W	54 lm/W	44 lm/W
	3000K	0.98	0.79	95 lm/W	77 lm/W	78 lm/W	63 lm/W	53 lm/W	43 lm/W
	2700K	0.96	0.74	93 lm/W	72 lm/W	77 lm/W	59 lm/W	52 lm/W	40 lm/W

OUTPUT	CCT	LLF RATIO		DIRECT LUMEN OUTPUT					
				22" BAFFLE		55" BAFFLE		HE TECH	
		CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90	CRI 80	CRI 90
LVH (very high)	4000K	1.03	0.85	1663 lm/ft	1373 lm/ft	1366 lm/ft	1127 lm/ft	541 lm/ft	446 lm/ft
	3500K	1	0.82	1615 lm/ft	1324 lm/ft	1326 lm/ft	1087 lm/ft	525 lm/ft	431 lm/ft
	3000K	0.98	0.79	1583 lm/ft	1276 lm/ft	1299 lm/ft	1048 lm/ft	515 lm/ft	415 lm/ft
	2700K	0.96	0.74	1550 lm/ft	1195 lm/ft	1273 lm/ft	981 lm/ft	504 lm/ft	389 lm/ft
LH (high)	4000K	1.03	0.85	1349 lm/ft	1113 lm/ft	1112 lm/ft	918 lm/ft	445 lm/ft	367 lm/ft
	3500K	1	0.82	1310 lm/ft	1074 lm/ft	1080 lm/ft	886 lm/ft	432 lm/ft	354 lm/ft
	3000K	0.98	0.79	1283 lm/ft	1035 lm/ft	1058 lm/ft	853 lm/ft	423 lm/ft	341 lm/ft
	2700K	0.96	0.74	1257 lm/ft	969 lm/ft	1037 lm/ft	799 lm/ft	415 lm/ft	320 lm/ft

Mounting



Optic types



LINEAR DIMENSIONS

The APX6 T-bar fixture features a pan that fits into a 2'x2' T-bar opening with a 0.25" drop from the ceiling surface with a 1' lighted section.

OPTICS

Specially designed and manufactured optical system comprised of a Total Internal Reflecting (TIR) optic used in conjunction with a primary light absorbing baffle that is set into a secondary regressed baffle trim. System optics provide high efficiency with a 55° sharp cut-off (half-angle from Nadir), 22° angle and a 55° FWHM (Full Width Half Maximum) angle.

The high-efficiency extruded diffuse acrylic lens technology, patented HE Tech™, delivers superior lumen output with optimal uniform lens surface luminance for direct 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 LM-79 and LM-80; L70>60,000hr; operated at reduced output for high efficacy and lumen maintenance. 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). 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 -30°C to 50°C, maximum case temperature of 75°C. Electrical specifications at maximum driver load: PF >0.9, THD <20%, >85% Efficiency.

CONTROLS

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

MOUNTING

Common recessed mounting options available. Contact factory for applications regarding modified recessed mounting conditions.

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.

EMERGENCY

This luminaire is provided with a remote mounted 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 the entire fixture. Remote mounted battery and battery box provided by factory.

FINISH

Apex6 available only in textured white.

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.

APX6 is assembled in America and complies with the Buy America(n) Act (BAA), and Build America, Buy America (BABA) government procurement requirements under FAR, DFARS, and DOT.

WARRANTY

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