6" Architectural High Lumen LED Downlight





Flanged Downlight



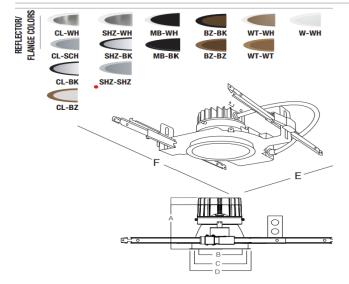
HH6-6577

Flanged Wall Wash

Flanged Double Wall Wash

HH6-TL-6501 Trimless Downlight

HH6-TL-6507 Trimless Wall Wash



A 900L to 4000L: Height = 5-5/8" A 6000L to 8000L: Height = 9" B: Trim Aperture = 6-3/6"

- C: Cut-Out = 6-13/16"
- D: Trim Outside Dia = 7-3/8"
- E: Width = 16"
- F: Length = 20-33

NOMINAL LUMENS	DELIVERED LUMENS	61 W		
6000	6696			
4000	4575			
3000	3374	32 W		
2000	2252	20 W		
1500	1785	15 W		
1200	1422	11 W		
900	1065	9 W		
NOMINAL LUMEN(HP)	DELIVERED LUMENS(HP)	WATTAGE(HP)		
1200	1398	12 W		
2000	2102	18 W		
3000	3259	28 W		

Based on 4000K, 90+CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%

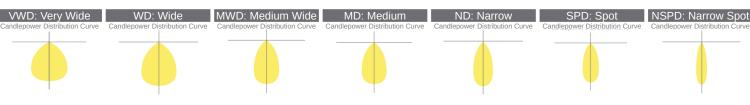
FEATURES

A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches and retail.

OPTICS AND REFLECTOR

The reflector has a 45° visual cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. Spun from 0.05" thick aluminum, with a 1-step anodized finish, and available in different colors or custom RAL finishes. Reflector flange options include selfflanged and white painted flange. Various distribution options are available, and all optics are field changeable.

LUMENS	900, 1200, 1500, 2000, 3000, 4000, 6000 (Custom lumen packages available)
CCT & DYNAMIC PLATFORMS	22K, 27K, 30K, 35K, 40K, 50K, Tunable White, Dims to Warm, RGB + White
CRI	90+ Standard, 98+ Optional
COLOR QUALITY	2 Step MacAdam Ellipse
DISTRIBUTIONS	VWD, WD, MWD, MD, ND, SPD, NSPD
TRIM OPTIONS	Downlight, Wall Wash, Double Wall Wash, Wet Location
REFLECTOR COLORS	CL (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), WT (Wheat), W (White), MB (Black). BZ (Bronze)
FLANGE COLORS	Self-Flanged WH (White), SCH (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), BK (Black), BZ (Bronze)
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH, LUTFTB, LUT2W, ELDO10.1, ELDODMX.1, ELDODALI.1, DIMTR, BLE
EMERGENCY	10W - Up to 1000L Output 20W - Up to 2000L Output EMG-LED-G2-10W-SDT - Self Diagnostic (Consult Factory)
LIFETIME	L70 at 102,000 Hours
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21

























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HH6-LED

6"

6" Architectural High Lumen LED Downlight

THERMAL MANAGEMENT SYSTEM

Passive cooling Diecast Aluminum Heat Sink, LED light engine and driver are replaceable, upgradeable, and can be accessed from below the ceiling. The consistency in the quality of light is delivered with precision performance by the use of a unique locking mechanism that aligns the reflector with the light engine.

MOUNTING FRAME & BRACKETS

The downlight mounting frame is a fabricated assembly constructed of 16-gauge steel, with C-channel mounting brackets, included. The versatility of the mounting brackets allow for an adjustability of up to 28" horizontally, and 2-3/4" vertically, locking into place. With the added die-formed construction of the mounting frame, it provides maximum heat dissipation and rust protection.

DRIVER ELECTRICAL INFORMATION

The LED driver is rated for 50 to 60Hz at 120V/277V, also available in 347V input, produces less than 20%THD, has a power factor between 90% and 100%, and is thermally protected for additional safety. Junction box and Driver can be accessed from below the ceiling and above the ceiling. Junction Box is Listed for through branch circuit wiring.

DIMMING & DRIVER INFORMATION

DIM10 - 0-10V dimming on either MVOLT 120, 277 or 347V. Dimmable down to 1% of initial lumens, standard.

DIMTR - Triac & Electronic low voltage dimming. Available in 120V, and up to 4000 lumens only

LUT2W - Lutron LTEA2W Hi-Lume 1%. 2-wire LED Driver 120V Forward Phase only.

LUTH - Lutron LDE1 Hi-Lume 1% Eco System with Soft-on, Fade to Black dimming technology.

Luftb - Lutron PEQ0E Hi-Lume Premier 1% Eco System LED Driver with Soft-on, Fade to Black dimming technology. Available on all luminaires up to 1500 lumens.

ELDO10.1 - EldoLED SoloDrive 0-10V. Dimming down to 0.1%.

DALI - DALI DT6, DT8 dimming down to 1%.

ELDODMX - EldoLED PowerDrive dimming down to 0.1%.

Please see EldoLED website for wiring diagrams and a list of compatible DMX and DALI control systems.

BLE - Luminaires may be controlled, grouped, scheduled or placed in scenes and or zones Via Cassambi Bluetooth 4.0 App.

LED DYNAMIC PLATFORM OPTIONS

Tunable White with Smart White Technology utilizing the Lumenetix Platform allows you to color tune the luminaire via various controls. Create the perfect environment for the desired use of the space, while maintaining a CRI of 90+ across the tunable range of 8000 to 1650K. (Click here for more details)

Dims to Warm with Smart Dimming Technology. At 100% full brightness the luminaire is at 3000K. When dimmed to 1%, the light transitions to 1800K, creating a warm ambiance within the space. (Click here for more details)

RGB+White with Smart Hue Technology provides full color mixing of RGB and white colors. Utilizing the Lumenetix Platform allows you to choose from unlimited RGB color options, via various controls. Ideal for Circadian Rhythm applications or to create the perfect human centric environment. (Click here for more details)

OPTICAL

Modular Optics Available with 15°, 24°, 30°, 36°, 52°, 60° and 70° field interchangeable optics design with 45° cutoff to source. Top-down flash characteristic for superior glare control. The optics attached directly the light engine to the Trim for complete optical alignment and sufficient efficacy.

WARRANTY

Five-year warranty for parts and components. (Labor not included)

LISTINGS

c-UL-us - Listed for Wet Location if used with HH6-6501 Trim.

c-UL-us - Listed for Feed Through Wiring.

U.S Patent No. - D685,118S

CP-City of Chicago environmental air (CCEA) marking for plenum applications.

Energy Star and California Title 24 compliant

Optional Black color trim is not ENERGYSTAR certified and won't meet the requirement.

Example: HH6-LED-2000L-DIM10-MVOLT-MD-40K-90-HH6-6501-CL-WH

SERIES	LUMENS	DRIVER	VOLTAGE	CCT	EMERGENCY	TRIM TYPE	REFLE	ECTOR/FLANGE	COLORS
HH6-LED	□ 900L	☐ DIM10	□ 120	□ 22K	☐ EMG-LED-10W	☐ HH6-6501	☐ CL-WH	☐ W-WH	☐ SHZ-SHZ
	☐ 1200L	☐ DIMTR ^{3 5}	□ 277	☐ 27K	☐ EMG-LED-20W	Flanged Downlight	☐ CL-SCH	☐ MB-WH*	☐ SHZ-BK
	☐ 1500L	□ LUTH ³	☐ MVOLT	□ 30K	☐ INTG-EMG-LED-10W	☐ HH6-6507	☐ CL-BK	🛘 МВ-ВК	☐ WT-WH
	□ 2000L □ 3000L	□ 347	□ 35K	☐ INTG-EMG-LED-20W	Flanged Wall Wash	☐ CL-BZ	■ BZ-BK	■ WT-WT	
		(DIM10 only)	□ 40K	☐ EMG-LED-G2-10W-SDT*	☐ HH6-6577	☐ SHZ-WH	■ BZ-BZ	* Black color trim	
	☐ 4000L	☐ LUTFTB ⁴		□ 50K ¹	Typical lumen output of the luminaire is				is not ENERGYSTAR
	□ 6000L	☐ ELDO101		up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in	│ ————————————————————————————————————		FLANGE COLC	certified	
		☐ ELDODALI1	I1		emergency mode. Contact the factory	Polycarbonate "Dead Front" Trim	□wh	□ BK	SHZ
		☐ ELDODMX1			for details. Remote mounted installation	with Tempered Albalite Lens			☐ SHZ
		□ BLE OPTICS		* Consult Factory for Self Diagnostic	☐ HH6-6534	□ SCH	□ BZ		
			CRI	OTHER OPTIONS	Polycarbonate "Dead Front" Trim				
			□ VWD 70° □ 90+	☐ 90+	CP (Chicago Plenum)	with Polycarbonate ClearLens TRIMLESS		TRIMLESS FIN	ICH
		☐ WD 60° ☐ MWD 52°	□ 98+ ²	98+ ² ☐ HP (High Performance) ⁶	☐ HH6-TL-6501	□ CL	I I KIIVILESS FIIN	ЮП	
			☐ MWD 52°	52°	, ,				
			☐ MD 36°			Trimless Downlight HH6-TL-6507	☐ MB		
			□ ND 30°			Trimless Wall Wash	□ SHZ		
			☐SPD 24°				□wн		
			☐ NSPD 15°			OPTIONS	ļ		
						☐ INTG (Reflector shipped with			
						prepunched hole to accept INTG-EMG-LED)			
						3 23 223)			

¹ 50K series are available with 85+ CRI only ²98+ CRI is available in 27K, 30K and 40K only -Reference la 3LUTH and LUT2W, DIMTR Available for luminaires up to 4000L ⁴LUTFTB Available for luminaires up to 1500L

-Reference last page for Control Options

L500L ⁵ DIMTR and LUT2W are available in 120V only ⁶ 3500K and 4000K based on 90CRI



Due to the changes of constant improvement in LED technology, all details are subject to change without notice. Consult factory for up to date information. RS190627/NS190711/BB190711//AS210316