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MAXILUME ARCHITECTURAL LIGHTING
By Elite Lighting

HH6-LED

6” Architectural High Lumen LED Downlight

6”

HH6-6501
Flanged Downlight

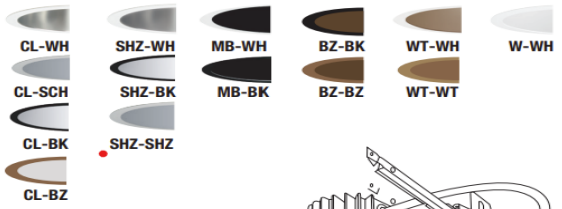
HH6-6507
Flanged Wall Wash

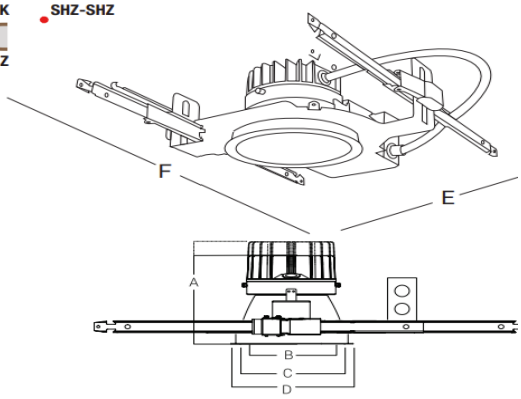
HH6-6577
Flanged Double Wall Wash

HH6-TL-6501
Trimless Downlight

HH6-TL-6507
Trimless Wall Wash

REFLECTOR/ FLANGE COLORS





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	WATTAGE
6000	6696	61 W
4000	4575	38 W
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

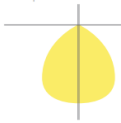
A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches and retail.

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

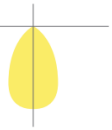
VWD: Very Wide
Candlepower Distribution Curve



WD: Wide
Candlepower Distribution Curve

MWD: Medium Wide
Candlepower Distribution Curve

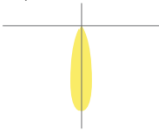
MD: Medium
Candlepower Distribution Curve



ND: Narrow
Candlepower Distribution Curve

SPD: Spot
Candlepower Distribution Curve

NSPD: Narrow Spot
Candlepower Distribution Curve



Reference IES files for additional distribution curve information.

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MAXILUME ARCHITECTURAL LIGHTING
By Elite Lighting

HH6-LED

6” Architectural High Lumen LED Downlight

6”

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
HH6-LED

LUMENS
- ❑ 900L
- ❑ 1200L
- ❑ 1500L
- ❑ 2000L
- ❑ 3000L
- ❑ 4000L
- ❑ 6000L

DRIVER
- ❑ DIM10
- ❑ DIMTR [3] [5]
- ❑ LUTH [3]
- ❑ LUT2W [3] [5]
- ❑ LUTFTB [4]
- ❑ ELDO10-.1
- ❑ ELDODALI-.1
- ❑ ELDODMX-.1
- ❑ BLE

VOLTAGE
- ❑ 120
- ❑ 277
- ❑ MVOLT
- ❑ 347 (DIM10 only)

CCT
- ❑ 22K
- ❑ 27K
- ❑ 30K
- ❑ 35K
- ❑ 40K
- ❑ 50K [1]

EMERGENCY
- ❑ EMG-LED-10W
- ❑ EMG-LED-20W
- ❑ INTG-EMG-LED-10W
- ❑ INTG-EMG-LED-20W
- ❑ EMG-LED-G2-10W-SDT*

Typical lumen output of the luminaire is up to 1000L with EMG-LED-10W option & 2000L with EMG-LED-20W option in emergency mode. Contact the factory for details.
Remote mounted installation
* Consult Factory for Self Diagnostic

OPTICS
- ❑ VWD 70°
- ❑ WD 60°
- ❑ MWD 52°
- ❑ MD 36°
- ❑ ND 30°
- ❑ SPD 24°
- ❑ NSPD 15°

CRI
- ❑ 90+
- ❑ 98+ [2]

OTHER OPTIONS
- ❑ CP (Chicago Plenum)
- ❑ HP (High Performance) [6]

TRIM TYPE
- ❑ HH6-6501 Flanged Downlight
- ❑ HH6-6507 Flanged Wall Wash
- ❑ HH6-6577 Flanged Double Wall Wash
- ❑ HH6-6535 Polycarbonate “Dead Front” Trim with Tempered Albalite Lens
- ❑ HH6-6534 Polycarbonate “Dead Front” Trim with Polycarbonate ClearLens

TRIMLESS
- ❑ HH6-TL-6501 Trimless Downlight
- ❑ HH6-TL-6507 Trimless Wall Wash

OPTIONS
- ❑ INTG (Reflector shipped with prepunched hole to accept INTG-EMG-LED)

REFLECTOR/FLANGE COLORS
- ❑ CL-WH
- ❑ CL-SCH
- ❑ CL-BK
- ❑ CL-BZ
- ❑ SHZ-WH
- ❑ W-WH
- ❑ MB-WH*
- ❑ MB-BK
- ❑ BZ-BK
- ❑ BZ-BZ
- ❑ SHZ-SHZ
- ❑ SHZ-BK
- ❑ WT-WH
- ❑ WT-WT

* Black color trim is not ENERGYSTAR certified

FLANGE COLORS
- ❑ WH
- ❑ SCH
- ❑ BK
- ❑ BZ
- ❑ SHZ

TRIMLESS FINISH
- ❑ CL
- ❑ MB
- ❑ SHZ
- ❑ WH

[1] **50K** series are available with 85+ CRI only [2] **98+** CRI is available in 27K, 30K and 40K only -**Reference last page for Control Options**
[3] **LUTH** and **LUT2W**, **DIMTR** Available for luminaires up to 4000L [4] **LUTFTB** Available for luminaires up to 1500L [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

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