Created with RealObjects PDFreactor(R) Evaluation Version | https://www.pdfreactor.com

MAXILUME ARCHITECTURAL LIGHTING
By Elite Lighting

# HH6-LED

## 6” Architectural High Lumen LED Downlight

6”

**HH6-6501**
Flanged Downlight

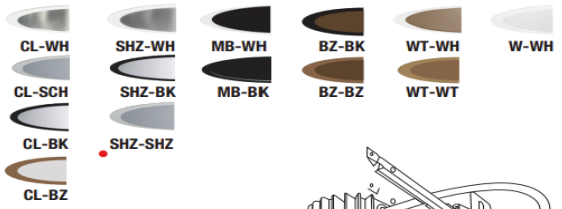
**HH6-6507**
Flanged Wall Wash

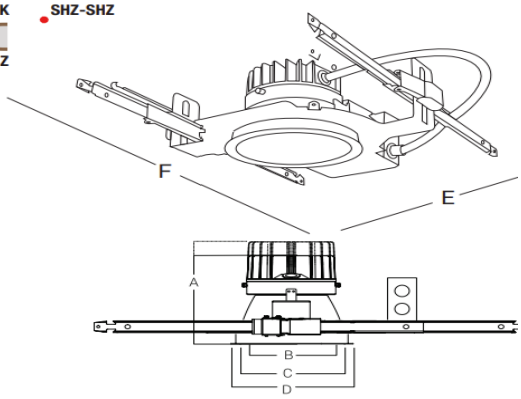
**HH6-6577**
Flanged Double Wall Wash

**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

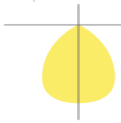
A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes, distributions, and lumen packages, it is ideally suited for use in corporate office space, hospitality, healthcare, commercial, academic, churches and retail.

## 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<br>20W - Up to 2000L Output<br>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 |

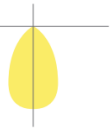
VWD: Very Wide
Candlepower Distribution Curve



WD: Wide
Candlepower Distribution Curve

MWD: Medium Wide
Candlepower Distribution Curve

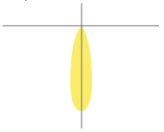
MD: Medium
Candlepower Distribution Curve



ND: Narrow
Candlepower Distribution Curve

SPD: Spot
Candlepower Distribution Curve

NSPD: Narrow Spot
Candlepower Distribution Curve



Reference IES files for additional distribution curve information.



Created with RealObjects PDFreactor(R) Evaluation Version | https://www.pdfreactor.com

REALOBJECTS
PDFreactor®

# Evaluation Version

This PDF document was created by an evaluation version of RealObjects PDFreactor 11.6.2 (14658). The evaluation version is fully functional, but includes this information page. It must not be used for production purposes. The information page and all other evaluation notices must not be removed from the PDF file.

**NOTE:** Conversions in evaluation mode might be slower and the results might have a larger file size than in production mode.

## Buy PDFreactor

To buy a PDFreactor license follow this link:

**Buy PDFreactor online**

## About PDFreactor

RealObjects PDFreactor is a powerful formatting processor for converting HTML and XML documents into PDF. It uses Cascading Style Sheets (CSS) to define page layout and styles. The server-side tool enables a great variety of applications in the fields of ERP, eCommerce and Electronic Publishing.

PDFreactor supports HTML5, CSS3 and JavaScript.

It allows you to dynamically generate PDF documents such as invoices, delivery notes and shipping documents on-the-fly. PDFreactor allows you to easily add server-based PDF generation functionality to your application or service. Since PDFreactor runs on a server, the end-user in general does not need any software other than a PDF viewer.

For more information visit **www.pdfreactor.com**

Created with RealObjects PDFreactor(R) Evaluation Version | https://www.pdfreactor.com

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

Created with RealObjects PDFreactor(R) Evaluation Version | https://www.pdfreactor.com