

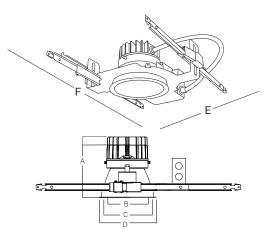


Dims to Warm **HH10-LED** 10" Architectural High Lumen LED Downlight









A 900L to 4000L: Height = 9" A 6000L to 8000L: Height = 12" B: Trim Aperture = 9-5/8" C: Cut-Out = 10-1/2" D: Trim Outside Dia = 11" E: Width = 17-1/2" F: Length = 16-1/2"

NOMINAL LUMENS	WATTAGE
2000	34 W
1500	24 W
1200	18 W
900	13 W

Based on 3000K, 90+CRI with semi-specular chrome reflector. Actual wattage may vary +/-5%

HH10-1501 Flanged Downlight





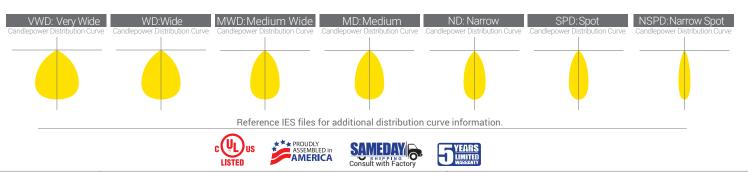
HH10-TL-1507



DYNAMIC PLATFORM

SMART DIM - Dims to Warm with Smart Dim technology simulates traditional incandescent halogen lighting through dimming, while providing the energy efficiency, high performance and longevity of LED luminaires. When the luminaire dims to warm, it makes a smooth transition across the black body radiator curve. Starting with a 100% lumen output at 3000K, down to a 1% lumen output at 1800K, and maintaining a constant CRI of 90+. It results in rich amber tones as the light dims, encouraging relaxation. An ideal source for hospitality, residential, and assisted living applications.

LUMENS	900, 1200, 1500, 2000	
DIMS TO WARM PLATFORMS	100% lumen output at 3000K, down to a 1% lumen output at 1800K	
CRI	90+ Standard	
COLOR QUALITY	2 Step MacAdam Ellipse	
DISTRIBUTIONS	WWD, 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), WH (White), MB (Black)	
FLANGE COLORS	Self-flanged WH (White), SCH (Semi-Specular Chrome), SHZ (Low Iridescent Satin Haze), BK (Black)	
DIMMING	0-10V Flicker Free 1% Dimming Standard (DIM10), LUTH DIMTR, ELD0101, ELD0DALI1 ELD0DMX1	
EMERGENCY	10W - Up to 1000L Output (Bodine BSL310) 20W - Up to 2000L Output (Bodine BSL20)	
LIFETIME	L70 at 102,000 Hours	
PHOTOMETRIC TESTS	In Accordance with IES LM79-08, LM80 and TM-30, TM-21	





www.iuseelite.com

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







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 self-flanged and white painted flange. Various distribution options are available, and all optics are field changeable.

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 & BRACKET

The downlight mounting frame is a fabricated assembly constructed of 16-gauge steel, with C-channel mounting brackets, included. The versatility of the mounting bracket allows 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 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.

Example: HH10-LED-WDM-30K-18K-900L-DIM10-120-MD-HH10-1501-CL-WH

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.

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

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.

WARRANTY

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

LISTINGS

c-UL-us - Listed for Wet Location if used with HH10-1501 Trim. c-UL-us - Listed for Feed Through Wiring.

U.S Patent No. - D685,118S



100% Light Output

10% Light Output

SERIES	LUMENS	DRIVER	VOLTAGE	EMERGENCY	TRIM TYPE	REFLECTOR/TRIM- FINISH
HH10-LED-WDM-30K-18K HH10-LED-WDM-30K-18K 1200L 1500L 2000L	DIMTR ¹ DIMTR ¹ DIM10 UUTH ² ELD0101 ² ELD0DALI1 ² ELD0DMX1 ²	□ 120 □ 277 □ MVOLT	EMG-LED-10W EMG-LED-20W 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	 HH10-1501 Flanged Downlight HH10-1507 Flanged Wall Wash HH10-1577 Flanged Double Wall Wash 		
			OPTICS CRI WWD 70° 90+ WD 60° MMD 52° MD 36° SPD 24° NSPD 15°		TRIMLESS HH10-TL-1501 Trimless Downlight- HH10-TL-1507 Trimless Wall Wash	TRIMLESS FINISH

¹ **DIMTR** is available in 120V only

² LUTH, ELD010-.1, ELD0DALI-.1, and ELD0DMX-.1 are available in 120V and 277V

-Reference last page for Control Options





1192

2384

3575

4767

20.0

24.0

Distance to Plane

11.9

8.28

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Initial Footcandle at Nadir diameter

10.0 ft

12.0 ft

ROOM





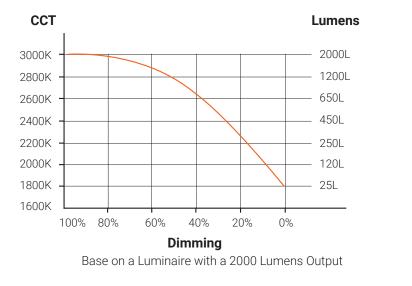
HH10-LED-WDM-30K-18K-2000L-MD-HH10-1501-CL-WH TEST NO.: EL031637 EFFICACY: 61 CCT: 3000K SPACING CRITERIA: 0.54 INPUT WATTS: 34.6 LUMENS: 2103 CRI: 90+ Candle Power Distribution (Candelas) Zonal Lumens Summary Lumens Per Zone Luminance (Average candela/M²) Candela Tabulation %Lamp %Fixt Angle 0 Zone Lumens Zone Average Average 45° 90° Lumens Average in Degrees 4767.32 0-20 0-30 955.36 1498.75 46.20 72.40 45.40 71.30 0° 0 0-10 356.12 809 4477.71 2200.10 5 10-20 599.23 15 3903 641 2532 647 0-40 1902.14 91.90 90.50 45 7392 20-30 543.39 25 35 1216.25 0-60 2093.87 101.20 99.60 55 1205 30-40 403.39 65 129 179 629 721.84 138.85 0-80 2101.89 101.50 100.00 40-50 50-60 162.97 45 75 85 84 151 182 28.77 0-90 2102.89 101.60 100.00 52 322 55 65 18.51 401 60-70 6.29 2.74 1.09 70-80 80-90 1.73 0.99 75 85 90 40° 0.23 0.05 30° Coefficients of Utilization - Zonal Cavity Method 20° Effective Floor Cavity Reflectance 0.20 10° 50% 30% 0% RC 80% 70% 10% RW 70% 50% 30% 10% 70% 50% 30% 10% 50% 30% 10% 50% 30% 10% 50% 30% 10% 0% 4.0 298 2.0 ft 74.5 4.0 ft 8.0 102 95 89 83 78 73 69 65 61 58 55 0 121 110 101 94 87 81 76 72 68 64 64 108 103 97 92 87 82 78 74 71 67 64 104 99 94 90 85 81 77 73 70 66 64 104 98 93 87 82 77 73 69 66 62 59 104 97 91 85 79 75 70 66 63 59 56 CAVITY RATIO 121 116 105 100 95 91 86 83 79 76 121 113 105 98 92 87 82 77 73 70 66 121 108 98 90 83 77 72 67 64 60 57 118 113 108 103 98 93 89 85 81 78 75 118 111 104 97 91 86 81 77 73 69 66 118 108 100 93 86 81 76 71 67 64 60 118 106 97 89 82 77 72 67 63 60 57 113 106 100 94 89 84 80 75 72 68 65 113 105 97 91 85 79 75 70 67 63 60 113 103 95 88 81 76 71 67 63 60 57 108 101 95 89 83 78 74 70 66 63 60 108 100 93 86 80 75 71 67 63 60 57 12.0 33.1 6.0 ft 2345678910 16.0 18.6 8.0 ft

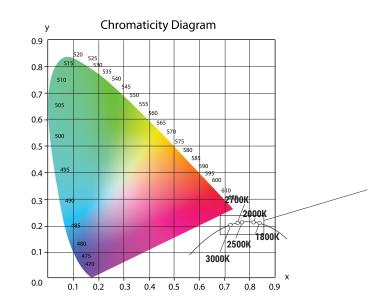
RC - Ceiling Cavity Reflectance RW - Wall Reflectance







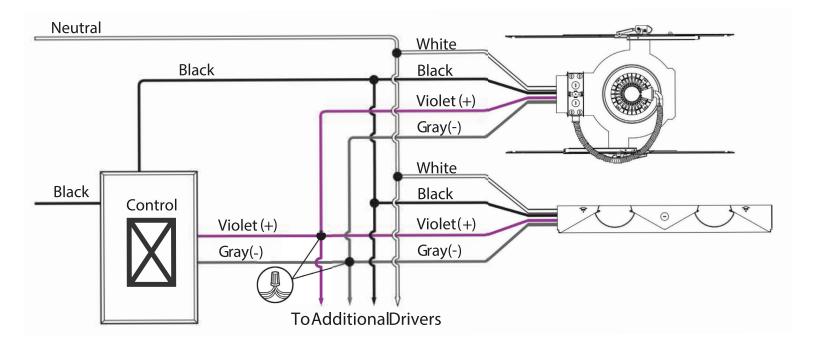




WDM-30K-18K

ARCHITECTURAL LIGHTING

By Elite Lighting









- 1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated contol systems
- 2- Luminaire will be shipped with Sensors installed on the luminaire, allowing for individual luminaire control. Luminaires will be ready to be integrated with designated control systems
- 3- Luminaire will be shipped with Sensors to be remotely installed on the ceiling. Luminaires will be ready to be integrated with designated control systems

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BRAND		lutron	enlighted		OSRAM	PHILIPS EasySense	La legrand [®]
CONTROL UNIT	LEDRU LED Relay Zone Controller 0-10V ¹	□ FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) ¹⁴	CU-4E-FMH Fixture Mount Control Unit ¹⁵	ZL027 –NOW Intellect Power Control Module ¹⁶	EN-WCM2-ZB-DR Wireless Control Module ¹⁷ EN- ALC-ZB-BK-DR	□ SBR -BS Xitanium SR Bridge ¹⁸	LMFC-011 ON/OFF/0-10V dimming fixture controller ¹⁹
	LEDDU LED Zone Controller 0-10V ¹	□ FCJS-EC0 Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) ^{1,4}		□ ZL027 –N0W Intellect Power Control Module ¹⁶	Wireless Area Lighting Control Module ¹⁷ ZBHA-CLM-DIM-ENC Connected Lighting Module DIM ¹⁷		
INTEGRAT SENSOR	N/A	N/A	N/A	N/A	N/A	N/A	N/A
*WIRELESS Occupancy Sensor	■ EOSCU-W-EO Occupancy Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) ³	N/A	N/A	N/A	N/A	N/A	LMDC-100 Dual technology PIR Ceiling Mount Occupancy Sensor ³
*WIRELESS Daylight Sensor	□ ELLSU-W-E0 Light Level Sensor - Ceiling Mounted (Must be specified with LEDRU or LEDDU control unit) ³	N/A	N/A	N/A	N/A	N/A	LMLS-400 Single zone switching and dimming digital photosensor ³
*WIRELESS OCCUPANCY & DAYLIGHT SENSOR	N/A	N/A	 SU-5E-IoT IoT Node Micro Sensor ³ SU-5E-CL Connected Lighting Micro Sensor ³ SU-5E-IL Independent Lighting / Enlighted One Micro Sensor ³ SU-5S-H-(IoT/CL/IL) Surface Mount Sensor ³ (Must be specified with CU- 4E-FMH Control Unit) 	□ ZL00J -T0W Intellect Intelligent Fixture Control System ³ (Must be specified with ZL027 –N0W Control Unit)	 □ EN-CLM-PIR-DD-ZB SensiLUM™ Wireless Integrated Sensor □ EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors ³ (Must be specified with EN-WCM2-ZB-DR or EN- ALC-ZB-BK-DR Control Unit) 	☐ SNS200- CMP SNS200 for grouping ³	N/A
ACCESORIES	N/A	N/A	 TMC-SU-5E Tile Mount Carrier CBL-5E-CU4-30N 30 inch Sensor Cable for CU-4 and IoT ReadyTM drivers CBL-5E-CU4-7F 7 foot Sensor Cable for CU-4 and IoT ReadyTM drivers 	N/A	N/A	N/A	N/A
NOTES	N/A	4- Luminaire will be compatible with Lutron LRF2-OCR2B-P-WH Ceiling mount360° occupancy/va- cancy sensor & LRF2-DCRB- WH Ceiling-mount daylight sensor. Sensors must be ordered through Lutron.	5- Luminaire will be compatible with ENLIGHTED SU-5E-IoT, SU-5E-CL, SU-5E-IL, SU- 5S-H, Sensors.	6-Luminaire will be compatible with Leviton Intellect App & Keypad Room Controller	7-Luminaire will be compatible with EN-SCPPH-1500-ZB Wireless Passive Infrared Occupancy and Photo Sensors	8-Luminaire will be compatible with Philips field and wireless switch.	9-Luminaire will be compatiable with DLM Room control system LMPB-100. DLM control system must be orderd through Legrand.

