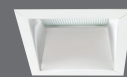**MOS-6601**
Open Reflector

MOS-6607
Wall Wash Reflector
with Diffuse Lens

MOS-6614
Reflector with
Frosted Glass Lens

EX-TL-6601
Trimless Open
Reflector

EX-TL-6607
Trimless Wall Wash Reflector
with Diffuse Lens

EX-TL-6614
Trimless Reflector with
Frosted Glass Lens

REFLECTOR/ FLANGE COLORS

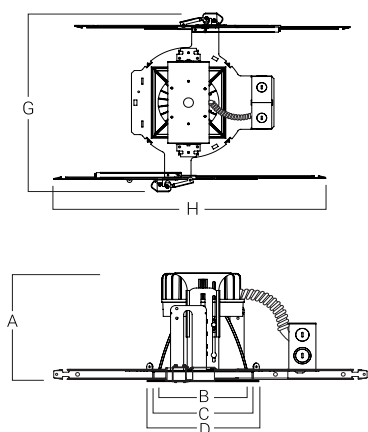| CL-WH | CL-SCH | SHZ-WH | SHZ-SHZ | WT-WH | W-WH | MB-BK |

A: Height = 7-3/8"
B: Trim Aperture = 6"
C: Cut-Out = 6-1/2"
D: Trim Outside Dia = 7-1/8"
G: Flange = 16"
H= Max: 32" Min:21"

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	MD (Medium Distribution)
TRIM OPTIONS	Downlight, 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, ELDO10-.1, ELDODALI-.1 ELDODMX-.1
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

NOMINAL LUMENS	DELIVERED LUMENS	WATTAGE
2000	2006	26 W
1500	1509	22 W
1200	1210	18 W
900	907	14 W

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

MD: Medium
Candlepower Distribution Curve
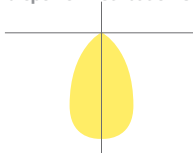
Reference IES files for additional distribution curve information.

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PROUDLY ASSEMBLED in AMERICA

SAMEDAY SHIPPING
Consult with Factory

5 YEARS LIMITED WARRANTY

eLite LED LIGHTING

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RS190627/NS190711/ BB190711//AS210316

FEATURES

A highly sustainable and ultra-efficient architectural LED downlight that provides even, glare-free illumination. Available in a range of finishes 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° cutoff, and is shipped standard with a Solite lens in a smooth frosted finish. It is spun from 0.05" thick aluminum, has a 1-step anodized finish, and is available in different colors or custom RAL finishes. Reflector trim options include self-flanged and white painted flange.

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.

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 except if used with MOS-6601 Trim.
c-UL-us - Listed for Feed Through Wiring.

U.S Patent No. - D685,118S

100% Light Output 75% Light Output 50% Light Output 10% Light Output

3000K ⟶ 1800K

100% Light Output   10% Light Output

Example: **HH6SQ-LED-WDM-30K-18K-900L-DIM10-120-MD-90-MOS-6601-CL-WH**

SERIES	LUMENS	DRIVER	VOLTAGE	EMERGENCY	TRIM TYPE	REFLECTOR/TRIM- FINISH
HH6SQ-LED-WDM-30K-18K	❏ 900L ❏ 1200L ❏ 1500L ❏ 2000L	❏ DIMTR [1] ❏ DIM10 ❏ LUTH [2] ❏ ELDO10-.1 [2] ❏ ELDODALI-.1 [2] ❏ ELDODMX-.1 [2]	❏ 120 ❏ 277 ❏ MVOLT	❏ EMG-LED-10W ❏ EMG-LED-20W ❏ INTG-EMG-LED-10W ❏ INTG-EMG-LED-20W ❏ EMG-LED-G2-10W-SDT	❏ MOS-6601 ❏ MOS-6607 ❏ MOS-6614 ❏ MOS-6615	❏ CL-WH ❏ CL-SCH ❏ SHZ-WH ❏ SHZ-SHZ ❏ WT-WH ❏ WH-WH ❏ MB-WH ❏ CL-BK ❏ MB-BK
				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	**TRIMLESS** ❏ EX-TL-6601 ❏ EX-TL-6607 ❏ EX-TL-6614	**TRIMLESS FINISH** ❏ SHZ ❏ CL

OPTICS	CRI
❏ MD	❏ 90+

*[1] **DIMTR** is available in 120V only
-**Reference last page for Control Options**

[2] **LUTH**, **ELDO10-.1**, **ELDODALI-.1**, and **ELDODMX-.1** are available in 120V and 277V

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LED LIGHTING

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HH6SQ-LED-WDM-30K-18K-1200L-DIM10-MVOLT-MD-40K-90-MOS-6601-CL-WH **TEST NO.: EL011941**

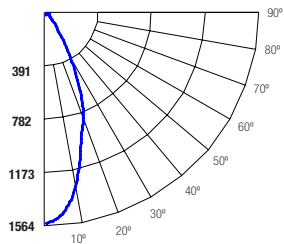| INPUT WATTS: 10.1	LUMENS: 971	CRI: 90	EFFICACY: 96	CCT: 4000K	SPACING CRITERIA: 0.74

Candle Power Distribution (Candelas)

391
782
1173
1564

90° 80° 70° 60° 50° 40° 30° 20° 10°

Cone of Light

2	389	1.7	1.7
4	97.2	3.4	3.4
6	43.2	5.1	5.1
8	24.3	6.7	6.7
10	15.5	8.4	8.4
12	10.8	10.1	10.1
(FT.)Distance to Plane	(FC.) Initial Footcandle at Nadir	(FT.) Beam Vert. Spread	(FT.) Beam Horiz. Spread

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

Zonal Lumens Summary

Zone	Lumens	%Lamp	%Fixt
0-20	454.06	46.80	46.80
0-30	753.82	77.60	77.60
0-40	910.73	93.80	93.80
0-60	966.93	99.60	99.60
0-80	970.53	99.90	99.90
0-90	971.14	100.00	100.00

Luminance (Average candela/M^2)

Angle in Degrees	Average 0°	Average 45°	Average 90°
45	413	2382	7702
55	230	326	459
65	151	203	343
75	76	183	273
85	35	360	454

Lumens Per Zone

Zone	Lumens
0-10	139.04
10-20	315.02
20-30	299.76
30-40	156.91
40-50	49.90
50-60	6.29
60-70	2.40
70-80	1.21
80-90	0.61

Candela Tabulation

	0
0	1554.47
5	1478.32
15	993.56
25	551.87
35	65.77
45	6.79
55	3.07
65	1.48
75	0.46
85	0.07
90	0.01

Coefficients of Utilization - Zonal Cavity Method
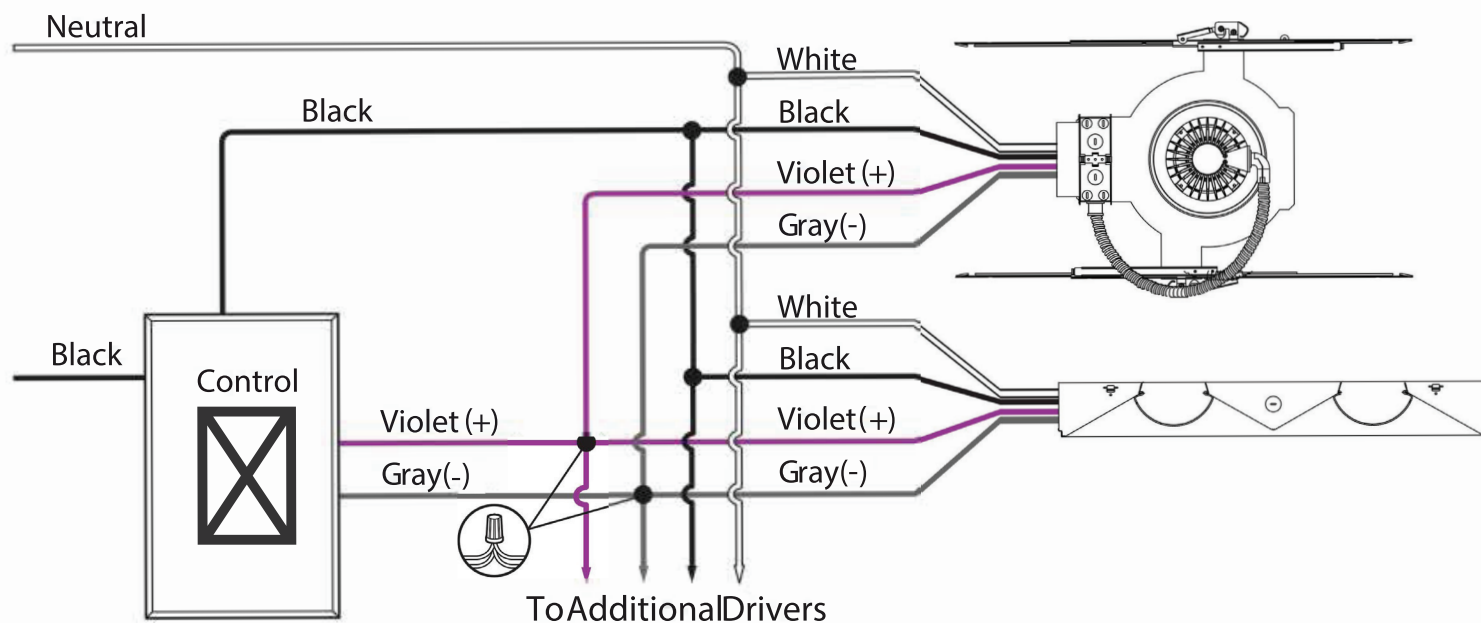Effective Floor Cavity Reflectance 0.20

RC	80%				70%				50%			30%			10%			0%
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	92	90	88
3	104	98	93	89	102	96	92	88	94	90	87	91	88	86	89	86	84	83
4	99	92	86	83	97	91	86	82	88	84	81	86	83	80	85	82	79	78
5	94	86	81	77	93	85	80	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	72	88	81	76	72	79	75	71	78	74	71	77	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65
8	82	73	68	64	81	73	67	64	72	67	63	71	66	63	70	66	63	62
9	79	70	64	60	78	69	64	60	68	63	60	67	63	60	66	62	60	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	64	60	57	55

ROOM CAVITY RATIO

RC - Ceiling Cavity Reflectance   **RW -** Wall Reflectance

Chromaticity Diagram

CCT

	Lumens
3000K	2000L
2800K	1200L
2600K	650L
2400K	450L
2200K	250L
2000K	120L
1800K	25L
1600K	

100% 80% 60% 40% 20% 0%

Dimming

Base on a Luminaire with a 2000 Lumens Output

WDM-30K-18K

Neutral
White
Black
Black
Violet (+)
Gray(-)
White
Black
Black
Control
Violet (+)
Violet(+)
Gray(-)
Gray(-)
To Additional Drivers
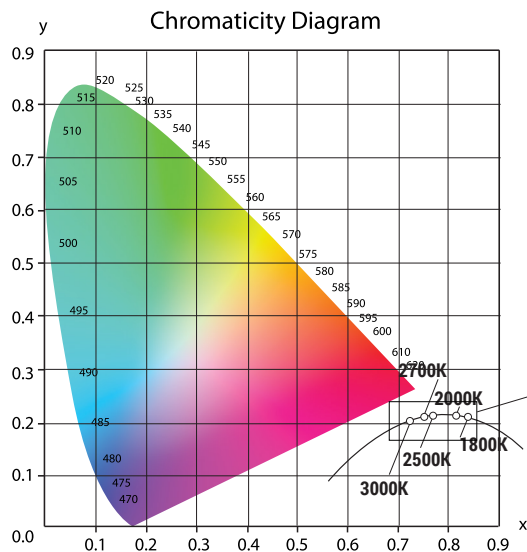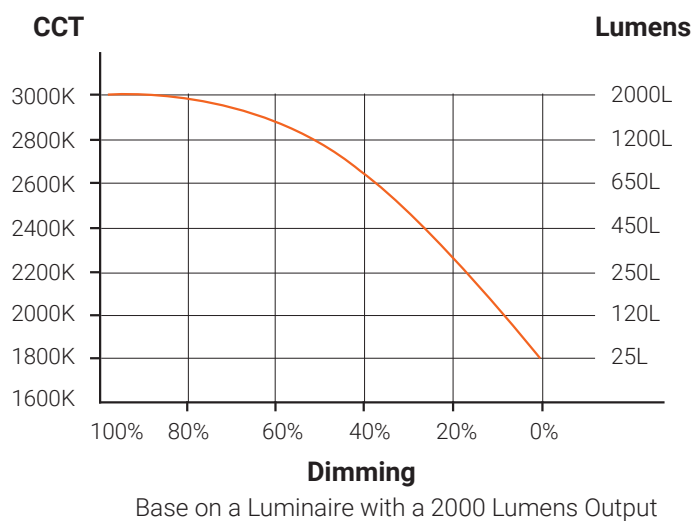
1- Luminaire will be shipped with Powerpacks pre-installed, ready to be integrated to designated contol systems

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

BRAND	EASYFIT by EnOcean	LUTRON	enlighted	LEVITON	OSRAM	PHILIPS EasySense	legrand
CONTROL UNIT	❏ LEDRU LED Relay Zone Controller 0-10V [1] ❏ LEDDU LED Zone Controller 0-10V [1]	❏ FCJS-010 Lutron Vive 0-10V Individual Pow Pak (Luminare is shipped Vive Enabled) [1][4] ❏ FCJS-ECO Lutron Vive Eco-system Pow Pak (Luminare is shipped Vive Enabled) [1][4]	❏ CU-4E-FMH Fixture Mount Control Unit [1][5]	❏ ZL027 –N0W Intellect Power Control Module [1][6] ❏ ZL027 –N0W Intellect Power Control Module [1][6]	❏ EN-WCM2-ZB-DR Wireless Control Module[1][7] ❏ EN- ALC-ZB-BK-DR Wireless Area Lighting Control Module [1][7] ❏ ZBHA-CLM-DIM-ENC Connected Lighting Module DIM [1][7]	❏ SBR -BS Xitanium SR Bridge [1][8]	❏ LMFC-011 ON/OFF/0-10V dimming fixture controller [1][9]
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-EO 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.

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