

Wall Sconce Light

MCL01

MESTER Wall Sconce Light is designed to complement the environment without being obtrusive, providing a softer outer appearance. The MCL01 has a powerful feature, it supports on-site adjustment of three color temperatures (3000K/4000K/5000K) and four output lumen values, which greatly improves the flexibility of product installation and stocking. Ideal for applications such as lighting walkways and stairways for safety and security, and as accent lighting around entrance doors in commercial, multi-family and single family residential settings.

SPECIFICATION FEATURES

Construction

- Rugged cast-aluminum housing with bronze polyester powder paint for outdoor applications.
- Casting thermally conducts LED heat to optimize performance and long life.
- The housing is completely sealed, providing excellent protection against moisture and environmental contaminants.

Optics

- Light engines are available in CCT adjustable, the CCT can be changed to 3000K/4000K/5000K (CRI80).
- Scalable Lumen Packages from 1,080 to 4,050 Lumens.
- The professional prismatic design offers a good light distribution control and guarantees the uniformity.
- Available in beam angle: 16°/ 25°/ 32°, 50°/ 60°/ 70°.

Electrical

- Universal 120-277VAC input voltage.
- Optional 0-10V dimming and dimming range from 10%-100%.
- Four adjustable Wattage levels available for each model.
- Both drivers have a power factor >90%, THD <15%.
- Operating Temperature Range: -30°C to 50°C (-22°F - + 122°F).

Lifespan

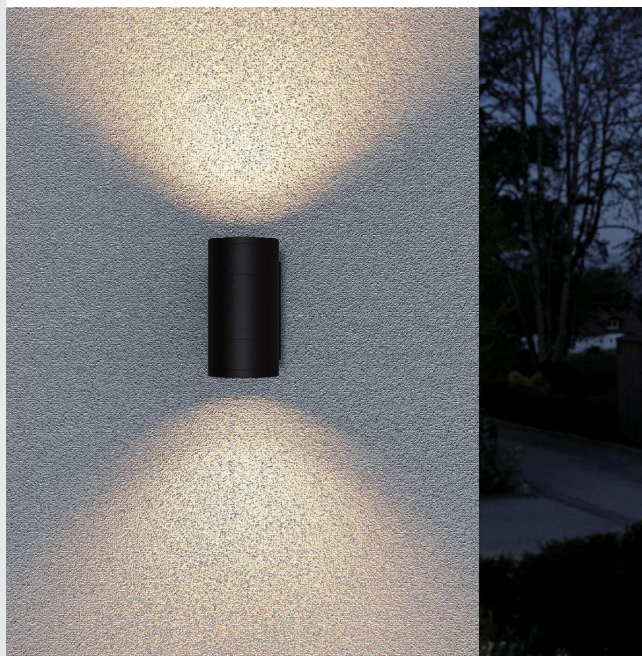
- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year limited warranty.

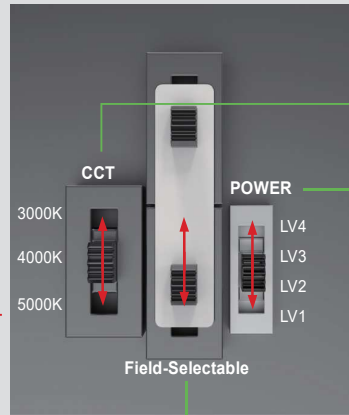
Note

- Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C) specifications subject to change without notice.



CCT AND WATTAGE SELECTABLE

This fixture has the function of adjusting the lumens output and color temperature on-site.



CCT selectable:
3000K, 4000K, 5000K

Power adjustment range:

Direct & Indirect: 36W-30W-20W-15W
Direct / Indirect: 25W-22.5W-20W-14.6W

Photocell Cap

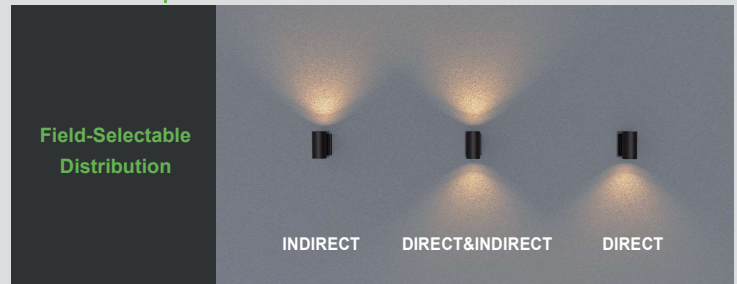
Disable



Enable



**Field-Selectable
Distribution**



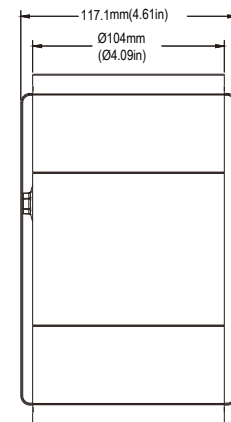
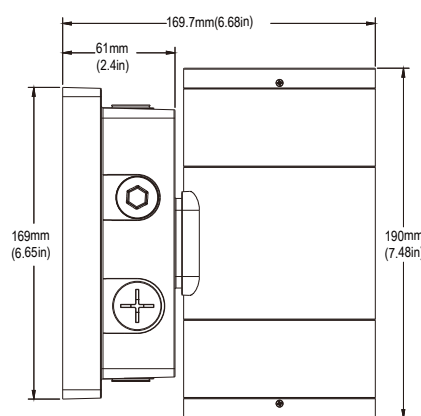
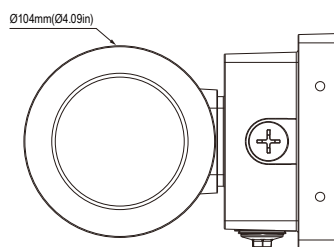
INTERCHANGEABLE LENS SYSTEM



Customers possess the capacity to execute elementary lens modification protocols in accordance with particular applications, thereby attaining the accommodation of diverse light-emitting angles. Two lenses can seamlessly switch among 16°/25°/32°, 50°/60°/70° by just adding or removing spacers.

DIMENSION

unit: mm/inch



PERFORMANCE DATA

CL01 25W @16° (Up only/Down only)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)
Level 1	25W	2400lm	96 lm/W	2550lm	102 lm/W	2460lm	98 lm/W
Level 2	22.5W	2190lm	97 lm/W	2348lm	104 lm/W	2260lm	100 lm/W
Level 3	20W	1970lm	99 lm/W	2150lm	108 lm/W	2020lm	101 lm/W
Level 4	14.6W	1480lm	101 lm/W	1630lm	112 lm/W	1540lm	105 lm/W

CL01 25W @25° (Up only/Down only)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)
Level 1	25W	1950lm	78 lm/W	2200lm	88 lm/W	2100lm	84 lm/W
Level 2	22.5W	1770lm	79 lm/W	2000lm	89 lm/W	1920lm	85 lm/W
Level 3	20W	1660lm	80 lm/W	1810lm	91 lm/W	1730lm	87 lm/W
Level 4	14.6W	1230lm	84 lm/W	1370lm	94 lm/W	1300lm	89 lm/W

CL01 25W @32° (Up only/Down only)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)
Level 1	25W	1880lm	75 lm/W	2080lm	83 lm/W	1970lm	79 lm/W
Level 2	22.5W	1750lm	78 lm/W	1920lm	85 lm/W	1800lm	80 lm/W
Level 3	20W	1560lm	78 lm/W	1750lm	88 lm/W	1660lm	83 lm/W
Level 4	14.6W	1180lm	81 lm/W	1340lm	92 lm/W	1260lm	86 lm/W

CL01 25W @50° (Up only/Down only)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)
Level 1	25W	1720lm	69 lm/W	1860lm	74 lm/W	1750lm	70 lm/W
Level 2	22.5W	1570lm	70 lm/W	1680lm	75 lm/W	1620lm	72 lm/W
Level 3	20W	1420lm	71 lm/W	1540lm	77 lm/W	1450lm	73 lm/W
Level 4	14.6W	1080lm	74 lm/W	1170lm	80 lm/W	1100lm	75 lm/W

CL01 25W @60° (Up only/Down only)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)
Level 1	25W	2050lm	82 lm/W	2200lm	88 lm/W	2130lm	85 lm/W
Level 2	22.5W	1860lm	83 lm/W	2030lm	90 lm/W	1940lm	86 lm/W
Level 3	20W	1670lm	84 lm/W	1820lm	91 lm/W	1740lm	87 lm/W
Level 4	14.6W	1270lm	87 lm/W	1350lm	92 lm/W	1320lm	90 lm/W

CL01 25W @70° (Up only/Down only)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)	LUMENS (80CRI)	LPW (80CRI)
Level 1	25W	2240lm	90 lm/W	2440lm	98 lm/W	2360lm	94 lm/W
Level 2	22.5W	2060lm	92 lm/W	2240lm	100 lm/W	2160lm	96 lm/W
Level 3	20W	1860lm	93 lm/W	2030lm	102 lm/W	1940lm	97 lm/W
Level 4	14.6W	1400lm	96 lm/W	1550lm	106 lm/W	1480lm	101 lm/W

CL01 36W @16° (full)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)
Level 1	36W	3380lm	94 lm/W	4050lm	113 lm/W	3550lm	99 lm/W
Level 2	30W	2870lm	96 lm/W	3420lm	114 lm/W	3010lm	100 lm/W
Level 3	22W	2130lm	97 lm/W	2530lm	115 lm/W	2280lm	104 lm/W
Level 4	15W	1520lm	101 lm/W	1750lm	117 lm/W	1630lm	109 lm/W

CL01 36W @25° (full)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)
Level 1	36W	3000lm	83 lm/W	3530lm	98 lm/W	3300lm	92 lm/W
Level 2	30W	2560lm	85 lm/W	2970lm	99 lm/W	2820lm	94 lm/W
Level 3	22W	1960lm	89 lm/W	2230lm	101 lm/W	2120lm	96 lm/W
Level 4	15W	1400lm	93 lm/W	1570lm	105 lm/W	1480lm	99 lm/W

CL01 36W @32° (full)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)
Level 1	36W	2680lm	74 lm/W	3030lm	84 lm/W	2850lm	79 lm/W
Level 2	30W	2260lm	75 lm/W	2540lm	85 lm/W	2410lm	80 lm/W
Level 3	22W	1720lm	78 lm/W	1910lm	87 lm/W	1800lm	82 lm/W
Level 4	15W	1200lm	80 lm/W	1350lm	90 lm/W	1280lm	85 lm/W

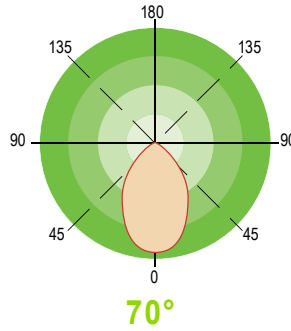
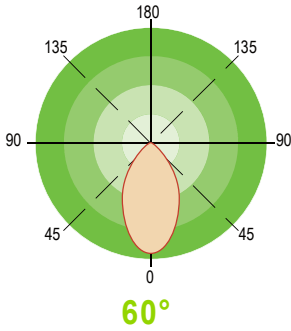
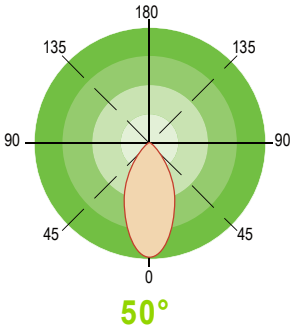
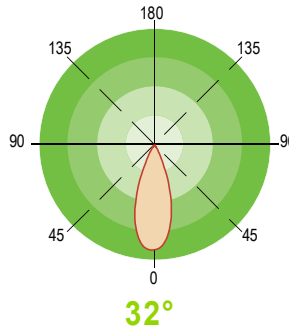
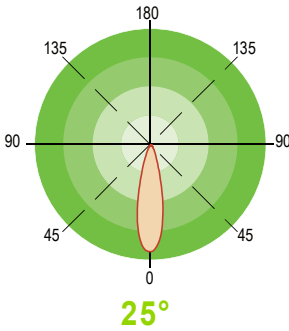
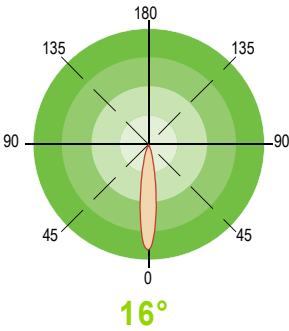
CL01 36W @50° (Full)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)
Level 1	36W	2380lm	66 lm/W	2530lm	70 lm/W	2450lm	68 lm/W
Level 2	30W	2030lm	68 lm/W	2160lm	72 lm/W	2080lm	69 lm/W
Level 3	22W	1540lm	70 lm/W	1640lm	75 lm/W	1580lm	72 lm/W
Level 4	15W	1100lm	73 lm/W	1190lm	79 lm/W	1130lm	75 lm/W

CL01 36W @60° (Full)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)
Level 1	36W	2870lm	80 lm/W	3040lm	84 lm/W	2960lm	82 lm/W
Level 2	30W	2420lm	81 lm/W	2560lm	85 lm/W	2520lm	84 lm/W
Level 3	22W	1830lm	83 lm/W	1910lm	87 lm/W	1880lm	85 lm/W
Level 4	15W	1300lm	87 lm/W	1380lm	92 lm/W	1350lm	90 lm/W

CL01 36W @70° (Full)							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)	LUMENS (90CRI)	LPW (90CRI)
Level 1	36W	3130lm	87 lm/W	3460lm	96 lm/W	3280lm	91 lm/W
Level 2	30W	2640lm	88 lm/W	2930lm	98 lm/W	2750lm	92 lm/W
Level 3	22W	1970lm	90 lm/W	2200lm	100 lm/W	2080lm	95 lm/W
Level 4	15W	1440lm	96 lm/W	1600lm	107 lm/W	1520lm	101 lm/W

PHOTOMETRICS

Six beam angles are specifically designed to meet almost all of your application requirements.



ORDERING GUIDE

Example: MCL01 36W 27V DDK Y Y Y Y Y

Fixture Type 	Wattage 	Voltage 	CCT 	Finish 	Photocell (Optiona) 	CCT and Power Adjustable 	Beam Angle 	Internal Code
MCL01 Wall Sconce Series	36W 25Watts (Up only/Down only) 36Watts (Full)	27V 120-277V	DDK Adjustable color temperature	D Dark Bronze B Black W White	P With Photocell	AD With Adjustment Dial	16 16 degree 25 25 degree 32 32 degree 50 50 degree 60 60 degree 70 70 degree	Blank Alphanumeric