



# LW25W SERIES

## Small Module LED Luminaire

Fixture Type:

Job Information:

### SPECIFICATIONS:

#### LED MODULES:

- High performance linear configured LED module boards.
- Each board consists of multiple mid-power, high efficacy LEDs in a precise layout eliminating the need for supplemental heat sinking.
- The boards produce an even and diffuse light which maximizes optical efficiency.
- Compatible with the dimming performance of the LED driver.
- Color temperatures available: 3000K, 3500K and 4000K.
- Upon request: 5000K.

#### LED DRIVERS:

- Factory programmable constant current LED power supply.
- Multiple standard drive current outputs (factory set by Mercury) are cataloged with their corresponding lumen package offerings. Upon request, custom drive current outputs and lumen packages are available.
- Note: Certain cataloged lumen packages may be provided with a non-programmable constant current LED power supply at Mercury's discretion. Contact factory if critical.
- Universal voltage input, 120V-277V, 50HZ-60HZ.
- Specification grade dimming down to 1% on 0-10V dimming controls.

#### LED LUMEN PACKAGES:

- Cataloged standard lumen packages. See attached chart for full details.
- Custom lumen packages pre-set are optional with programmable drivers only. Contact factory for details.

#### HOUSING:

- Fabricated from heavy gauge code grade cold rolled steel with housing ends welded into place.
- White polyester powder coating finish for long lasting durability.
- Sufficient electrical knockouts are provided on the housing back and ends.

#### DIFFUSER:

- Nominal nine-inch wide gently-curved profile design.
- Extruded from custom formulated high transmission acrylic material.
- Linear ribbing for high LED performance.

#### OPTIONAL INTEGRAL LIGHTING CONTROLS:

- Self-contained motion sensors mount directly to luminaire.
- Passive infrared (PIF) technology for individual luminaire control.
- On/Off control with optional delay features.
- Philips Actilume has 10%, 15% or 20% standby levels.
- See ordering matrix for available sensors.
- System lighting controls available. Contact factory.

#### INSTALLATIONS:

- May be installed individually in any direction, wall or ceiling mounted.
- End knockouts for surface conduit entry.

#### CERTIFICATE OF SAFETY COMPLIANCE AND LISTINGS:

- Luminaire: UL and CUL listed 1598 and bears their label. Suitable for damp locations.

#### WARRANTY:

- 5-year limited warranty is standard. Special 10-year warranty available on a job-to-job basis. Complete LED warranty terms available at [www.mercltg.com](http://www.mercltg.com).
- Actual performance may differ as a result of end-user environment and application.
- Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).
- The following exclusions apply: Luminaires with optional standby lighting option, integral lighting controls options, or wireless control options. Consult factory.
- LM-79 testing was measured under a controlled 25C (77F) ambient operating temperature.

### FEATURES:

- Small module linear ambient LED luminaire.
- Architectural design element for use as a wall sconce or ceiling luminaire.
- Gently-curving high transmission diffuser surrounds the LED light source enabling a very wide and near-perfect light distribution.
- Custom formulated high diffusion acrylic material allows for maximum light transmission while eliminating pixilation and hot spots.
- Digital LED technology provides high efficacy and energy efficiency.
- Multiple power and light levels are offered as standard to allow meeting design and energy needs per application. Custom factory set levels available on request.
- Lumen maintenance; Reported L70 (hours) & L80 (hours) > 60,000.
- CRI greater than 80.
- Fixture lumens per watt ratios up to 112.
- American Made.
- Matching luminaires: LW25W Surface Series, LR25 Recessed Series.



# LW25W SERIES

Example: LW25W-1-2500-35K-HTA-1%-UNI

## OPTIONS

LW25W		HTA			UNI		INTEGRAL LIGHTING CONTROLS
SERIES	NOMINAL LENGTH (FT)	NOMINAL LUMENS	COLOR TEMP	DIFFUSER	DRIVER	VOLTAGE	
LW25W	1 12" Length	12" 1300 1600 2000 2600	30K 35K 40K 50K Upon Request	HTA High Transmission Acrylic	1% 0-10V 1% Dimming As Specified	UNI	<p><b>O1</b> Leviton OSFHU mounts externally, for higher ceilings.</p> <p><b>O4</b> Wattstopper FS-155-1 mounts internally with only the PIF dome visible.</p> <p><b>O5</b> Leviton OSF10 mounts internally with only the PIF dome visible.</p> <p><b>O6</b> Philips Actilume LR1655/00 mounts flush with internal power pack.</p>

## LUMEN PACKAGE

Series	Nominal Length (FT)	Nominal Lumen Package	Color	Fixture Power (W)	Delivered Lumens	Fixture LPW
LW25W	1					
		1300	3000K	13	1237	92
		1300	3500K	13	1260	94
		1300	4000K	13	1305	97
		1300	5000K	13	1351	101
		1600	3000K	15	1538	103
		1600	3500K	15	1567	105
		1600	4000K	15	1622	109
		1600	5000K	15	1679	112
		2000	3000K	20	1944	98
		2000	3500K	20	1980	100
		2000	4000K	20	2050	104
		2000	5000K	20	2122	107
		2600	3000K	27	2474	92
		2600	3500K	27	2521	94
		2600	4000K	27	2610	97
		2600	5000K	27	2701	101

Actual wattage may differ by +/- 5% when operating between 120V-277V +/- 10%.

## PHOTOMETRICS:

All photometric reports are available at [www.mercltg.com](http://www.mercltg.com).

## CROSS SECTIONS:

