



LW25W-VP SERIES

Vandal Resistant Option
Linear LED Luminaire
VERY HIGH LUMEN PACKAGES

Fixture Type:

Job Information:

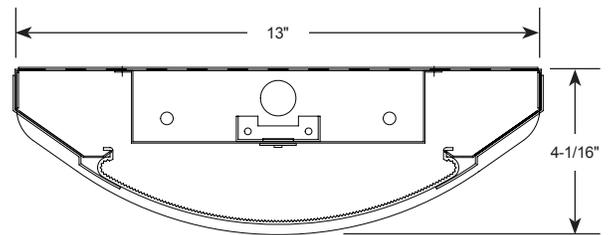
Placeholder for fixture type and job information details.

FEATURES:

- Vandal resistant linear ambient LED luminaire featuring an unbreakable polycarbonate diffuser.
- Diffuser is secured by heavy-gauge steel retaining strips and tamperproof screws.
- Housing fabricated from 20 gauge or optional 16 or 18 gauge cold rolled steel.
- All internal components are protected.
- Designed to withstand severe cases of vandalism and abuse.
- Applications include schools, public housing complexes, parking garages, hospitals, police precincts, recreation facilities, and all other medium to maximum-security locations.
- Extra-wide 13" foot print conveniently covers up existing ceiling blemishes or holes if used for retrofit applications.
- Gently-curving high transmission polycarbonate diffuser surrounds the LED light source enabling a very wide and near-perfect light distribution.
- Design allows for greater lumen packages which are useful for the higher ceilings in gymnasiums, big box retailing, and industrial facilities.
- Custom formulated high diffusion polycarbonate frosted material allows for maximum light transmission while eliminating pixilation and hot spots.
- Available module lengths: 2Ft. (24"), 4Ft. (48") or 8Ft. (96").
- 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 107.
- American Made.



CROSS SECTION:



LW25W-VP SERIES

Ex: LW25W-4-6400-35K-PF-1%-UNI-VP-EM12

OPTIONS

| LW25W | | PF | | UNI | | VP | | |
|--|---------------------|---|------------------------|---------------------------------|------------------------------|---------|------------------------------|--|
| Series | Nominal Length (FT) | Nominal Lumens | Color Temp | Diffuser | Driver | Voltage | Vandal Proof Option | Standby Modules |
| LW25W Architectural Wide Footprint Linear LED Luminaire | 2 24" Length | 24"L 3000 | 30K 35K 40K | PF Polycarbonate Frosted. | 1% 0-10V 1% Dimming | UNI | VP Vandal Proof Option | EM5 EM7 EM10 EM12 Available 4Ft. & 8Ft. Modules Only. Not Available With Some Higher Lumen Packages. See Matrix. |
| | 4 48" Length | 48"L 3700 5000 6500 8000 | 50K Upon Request | | | | | |
| | 8 96" Length | 96"L 10,000 16,000 | | | | | | |
| | | XXXX Custom Lumen Package. Contact Factory. | | | | | | |

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 continuous dimming capability 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 20 gauge or optional 18 or 16 gauge cold rolled steel with housing ends welded into place.
- Diffuser retaining strips secured with tamperproof screws.
- 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 unbreakable polycarbonate frosted material.
- Linear ribbing for high LED performance.

STANDBY LIGHTING OPTION:

- Self contained module, 5W, 7W, 10W or 12W as specified. Battery backup upon loss of power. Available 4Ft. and 8Ft. modules only.
- May not be available with some higher lumen packages. See Lumen package matrix.

INSTALLATIONS:

- May be installed in any direction, individually or in continuous run applications.
- May be surface mounted or suspended.
- 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:

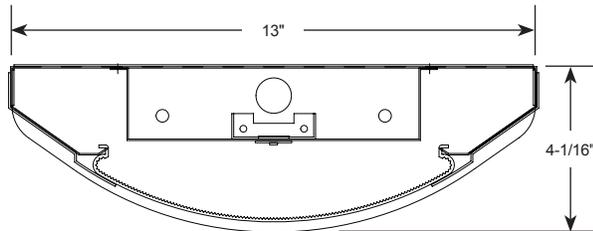
- 5-year limited warranty is standard. Special 10-year warranty available on a job-to-job basis. Complete LED warranty terms available at mercltg.com.
- Actual performance may differ as a result of end-user environment and application.
- Most LED luminaires are suitable to operate in ambient temperatures from -20C (-4F) to 25C (77F).
- The following exclusions apply: Luminaires with 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.



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Detail



HANGING ACCESSORIES

| PART # | DESCRIPTION | PART # | DESCRIPTION |
|----------|---|--------------------------------|--|
| R5PF-100 | Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable. | VH-XX | "V" Hanger w/XX= 48"L or 72"L Chain & "S" Hook |
| R5-100 | Round 5" canopy, Hanging hardware, 100" long 1/16" cable. | CPYS-1 | S-1 Single Stem 5" Dia. Canopy |
| R2-100 | Round 2" canopy, Hanging hardware, 100" long 1/16" cable. | STMXX | XX= 12"L, 24"L, 48"L Stem/ 3/8" IPS-5/8" OD |
| S5PF-100 | Square 5" power feed canopy, Hanging hardware, 100" long 1/16" cable. | Other cable lengths available. | |
| S5-100 | Square 5" canopy, Hanging hardware, 100" long 1/16" cable. | | |
| S2-100 | Square 2" power feed canopy, Hanging hardware, 100" long 1/16" cable. | | |

PHOTOMETRICS

All photometric reports are available at mercltg.com.

LUMEN PACKAGE

| Series | Nominal Length (FT) | Nominal Lumen Package | Color | Fixture Power (W) | Delivered Lumens | Fixture LPW | Standby Lighting Option |
|----------|---------------------|-----------------------|-------|-------------------|------------------|-------------|-------------------------|
| LW25W-VP | 2 | | | | | | |
| | | 3000 | 3000K | 30.7 | 2858 | 93 | - |
| | | 3000 | 3500K | 30.7 | 2932 | 96 | - |
| | | 3000 | 4000K | 30.7 | 2982 | 97 | - |
| | | 3000 | 5000K | 30.7 | 3045 | 99 | - |

| Series | Nominal Length (FT) | Nominal Lumen Package | Color | Fixture Power (W) | Delivered Lumens | Fixture LPW | Standby Lighting Option |
|----------|---------------------|-----------------------|-------|-------------------|------------------|-------------|-------------------------|
| LW25W-VP | 4 | | | | | | |
| | | 3700 | 3000K | 35.1 | 3511 | 100 | ✓ |
| | | 3700 | 3500K | 35.1 | 3613 | 103 | ✓ |
| | | 3700 | 4000K | 35.1 | 3730 | 106 | ✓ |
| | | 3700 | 5000K | 35.1 | 3734 | 106 | ✓ |
| | | 5000 | 3000K | 49.7 | 4719 | 95 | ✓ |
| | | 5000 | 3500K | 49.7 | 4864 | 98 | ✓ |
| | | 5000 | 4000K | 49.7 | 5020 | 101 | ✓ |
| | | 5000 | 5000K | 49.7 | 5036 | 101 | ✓ |
| | | 6500 | 3000K | 66.6 | 6248 | 94 | ✓ |
| | | 6500 | 3500K | 66.6 | 6408 | 96 | ✓ |
| | | 6500 | 4000K | 66.6 | 6518 | 98 | ✓ |
| | | 6500 | 5000K | 66.6 | 6655 | 100 | ✓ |
| | | 8000 | 3000K | 77.7 | 7808 | 100 | - |
| | | 8000 | 3500K | 77.7 | 7997 | 103 | - |
| | | 8000 | 4000K | 77.7 | 8111 | 104 | - |
| | | 8000 | 5000K | 77.7 | 8306 | 107 | - |

| Series | Nominal Length (FT) | Nominal Lumen Package | Color | Fixture Power (W) | Delivered Lumens | Fixture LPW | Standby Lighting Option |
|----------|---------------------|-----------------------|-------|-------------------|------------------|-------------|-------------------------|
| LW25W-VP | 8 | | | | | | |
| | | 10,000 | 3000K | 99.4 | 9438 | 95 | - |
| | | 10,000 | 3500K | 99.4 | 9728 | 98 | - |
| | | 10,000 | 4000K | 99.4 | 10,040 | 101 | - |
| | | 10,000 | 5000K | 99.4 | 10,072 | 101 | - |
| | | 16,000 | 3000K | 155.4 | 15,616 | 100 | - |
| | | 16,000 | 3500K | 155.4 | 15,994 | 103 | - |
| | | 16,000 | 4000K | 155.4 | 16,222 | 104 | - |
| | | 16,000 | 5000K | 155.4 | 16,612 | 107 | - |

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

