



# LW5 SERIES

## Architectural Linear Ambient 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:

- Architecturally-squared profile design.
- Extruded from custom formulated high transmission acrylic 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. modules only.

#### OPTIONAL INTEGRAL OCCUPANCY SENSOR:

- Self-contained sensor mounts directly to luminaire.
- Passive infrared (PIF) technology for individual luminaire control.
- On/Off control with optional delay features.
- See ordering matrix for available sensors.

#### 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.
- DesignLights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Check at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm.

#### 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:

- Shallow form linear ambient LED luminaire.
- Architecturally-squared acrylic diffuser surrounds the LED light source enabling a very wide and near-perfect light distribution.
- Compact design complies with all ADA requirements for public areas.
- Custom formulated high diffusion acrylic material allows for maximum light transmission while eliminating pixilation and hot spots.
- Nominal 2Ft. or 4Ft. long modules.
- 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 132.
- American Made.



## LW5 SERIES

Fixture Type:

Job Information:

**ORDERING DATA:** Fill in boxes below with corresponding bold options.

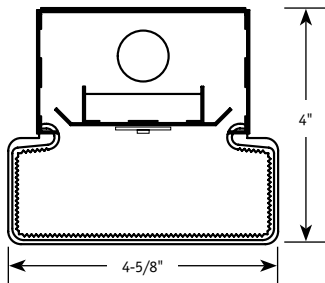
Example: LW5-4-3800-35K-HTA-1%-UNI-EM7

| SERIES | NOMINAL LENGTH (FT)                | NOMINAL LUMENS  | COLOR TEMP                               | DIFFUSER                         | DRIVER                                 | VOLTAGE | OPTIONS  |
|--------|------------------------------------|---|--|----------------------------------|--|---------|--|
| LW5    | 2<br>24" Length<br>4<br>45" Length | 24" L<br>2100<br>2300<br>2500<br>2700<br>45" L<br>2100<br>3800<br>4500<br>5000<br>7200<br>9400<br>XXXX<br>Custom Lumen Package.<br>Contact Factory. | 30K<br>35K<br>40K<br>50K<br>Upon Request | HTA<br>High Transmission Acrylic | 1%<br>0-10V 1% Dimming<br>As Specified | UNI     | Standby Modules<br>EM5<br>EM7<br>EM10<br>EM12<br>Available 4ft. Modules Only<br>Optional Integral Occupancy Sensor<br>01<br>Leviton OSFHU mounts externally, for higher ceilings.<br>04<br>Wattstopper FS-155-1 mounts internally with only the PIF dome visible.<br>05<br>Leviton OSF10 mounts internally with only the PIF dome visible. |

### PHOTOMETRICS:

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

### CROSS SECTIONS:



### HANGING ACCESSORIES

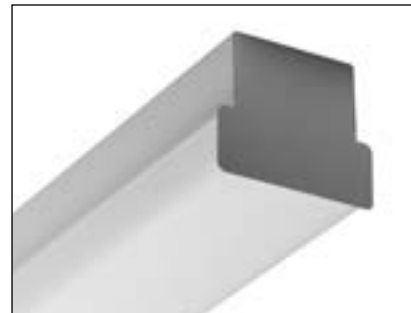
| PART #   | DESCRIPTION   | PART #                         | DESCRIPTION                                    |
|----------|---|--------------------------------|--|
| R5PF-100 | Round 5" power feed canopy, Hanging hardware, 100" long 1/16" cable.  | VH-XX                          | "V" Hanger w/XX= 48"L 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 5" power feed canopy, Hanging hardware, 100" long 1/16" cable. |                                |  |

### LUMEN PACKAGE

| SERIES | NOMINAL LENGTH (FT) | Nominal Lumen Package | Color | Fixture Power (W) | Delivered Lumens | Fixture LPW | DLC |
|--------|---------------------|-----------------------|-------|-------------------|------------------|-------------|-----|
| LW5    | 2                   |                       |       |                   |                  |             |     |
|        |                     | 2100                  | 3000K | 18                | 2035             | 111         | ✓   |
|        |                     | 2100                  | 3500K | 18                | 2067             | 113         | ✓   |
|        |                     | 2100                  | 4000K | 18                | 2131             | 116         | ✓   |
|        |                     | 2100                  | 5000K | 18                | 2195             | 120         | ✓   |
|        |                     | 2300                  | 3000K | 21                | 2265             | 108         | ✓   |
|        |                     | 2300                  | 3500K | 21                | 2301             | 110         | ✓   |
|        |                     | 2300                  | 4000K | 21                | 2372             | 113         | ✓   |
|        |                     | 2300                  | 5000K | 21                | 2443             | 117         | ✓   |
|        |                     | 2500                  | 3000K | 22                | 2392             | 107         | ✓   |
|        |                     | 2500                  | 3500K | 22                | 2429             | 108         | ✓   |
|        |                     | 2500                  | 4000K | 22                | 2504             | 112         | ✓   |
|        |                     | 2500                  | 5000K | 22                | 2580             | 115         | ✓   |
|        |                     | 2700                  | 3000K | 25                | 2586             | 105         | ✓   |
|        |                     | 2700                  | 3500K | 25                | 2627             | 106         | ✓   |
|        |                     | 2700                  | 4000K | 25                | 2708             | 110         | ✓   |
|        |                     | 2700                  | 5000K | 25                | 2789             | 113         | ✓   |

| SERIES | NOMINAL LENGTH (FT) | Nominal Lumen Package | Color | Fixture Power (W) | Delivered Lumens | Fixture LPW | DLC |
|--------|---------------------|-----------------------|-------|-------------------|------------------|-------------|-----|
| LW5    | 4                   |                       |       |                   |                  |             |     |
|        |                     | 2100                  | 3000K | 18                | 2025             | 114         | ✓   |
|        |                     | 2100                  | 3500K | 18                | 2056             | 116         | ✓   |
|        |                     | 2100                  | 4000K | 18                | 2120             | 119         | ✓   |
|        |                     | 2100                  | 5000K | 18                | 2184             | 123         | ✓   |
|        |                     | 3800                  | 3000K | 32                | 3649             | 113         | ✓   |
|        |                     | 3800                  | 3500K | 32                | 3706             | 115         | ✓   |
|        |                     | 3800                  | 4000K | 32                | 3821             | 119         | ✓   |
|        |                     | 3800                  | 5000K | 32                | 3935             | 122         | ✓   |
|        |                     | 4500                  | 3000K | 39                | 4314             | 109         | ✓   |
|        |                     | 4500                  | 3500K | 39                | 4382             | 111         | ✓   |
|        |                     | 4500                  | 4000K | 39                | 4517             | 115         | ✓   |
|        |                     | 4500                  | 5000K | 39                | 4653             | 118         | ✓   |
|        |                     | 5000                  | 3000K | 45                | 4821             | 107         | ✓   |
|        |                     | 5000                  | 3500K | 45                | 4897             | 108         | ✓   |
|        |                     | 5000                  | 4000K | 45                | 5048             | 112         | ✓   |
|        |                     | 5000                  | 5000K | 45                | 5200             | 115         | ✓   |
|        |                     | 7200                  | 3000K | 67                | 6861             | 102         | —   |
|        |                     | 7200                  | 3500K | 67                | 7005             | 105         | —   |
|        |                     | 7200                  | 4000K | 67                | 7182             | 107         | —   |
|        |                     | 7200                  | 5000K | 67                | 7220             | 108         | —   |
|        |                     | 9400                  | 3000K | 73                | 9059             | 124         | —   |
|        |                     | 9400                  | 3500K | 73                | 9291             | 127         | —   |
|        |                     | 9400                  | 4000K | 73                | 9450             | 129         | —   |
|        |                     | 9400                  | 5000K | 73                | 9649             | 132         | —   |

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



Detail

