

Sylph Street Lighting Series

Features

- Light source: High Power LED
- NO UV or IR light radiation
- Special batwing and asymmetrical light patterns.
- CRI typical 70
- Optimized heat management system
- 100V-240V AC input for 30W;
100V-277V AC input for 60W
- LED power options of 30, 60W
- Power factor >95% @110VAC
- Power eff. ~85% @60W; ~80% @30W
- LED long lifetime > 50,000 hours (L₇₀)
- IP65 for light engine & power supply unit
- Operation temperature: -30°C~+40°C
- Easily upgradeable to higher performance light engine

SL-Sylph/100277AC (UL)

- B Type
- UL certified (E326344)



Typical Applications

- Street Lighting
- Area Lighting
- Parking Lot Lighting
- Residential Street Lighting
- Walkway Lighting

Housing Picture



Coding of Product Number

SL – Sylph / 100277AC / Ph 60 B 5A (UL)
1 2 3 4 5 6 7 8

- | | |
|---|---|
| <p>1. <u>Product Series</u> SL: Solid state lighting</p> <p>2. <u>Lighting Module Type</u> Sylph: Sylph street light series</p> <p>3. <u>Input Voltage</u> 100240AC:100~240AC, 50/60 Hz (for 30W) 100277AC:100~277AC, 50/60 Hz (for 60W)</p> <p>4. <u>Light Engine Type</u> Ph: SL-Phoenix Tr: SL-Trex Ve: SL-Venus</p> | <p>5. <u>LED Power Option</u> 30: 30W 60: 60W</p> <p>6. <u>Light Engine LED Type</u> B: B type LED</p> <p>7. <u>Internal Code</u></p> <p>8. <u>Product Safety Certification</u> (UL): UL listed</p> |
|---|---|

Product Family

| Order Code | ¹ Luminaire Power Option | Color Temperature | Light Engine Type |
|-------------------------------|-------------------------------------|-------------------|-------------------|
| SL-Sylph/100240AC/Ph30B5A(UL) | 38W | Typical 5000K | SL-Phoenix series |
| SL-Sylph/100240AC/Tr30B5A(UL) | | | SL-Trex series |
| SL-Sylph/100240AC/Ve30B5A(UL) | | | SL-Venus series |
| SL-Sylph/100277AC/Ph60B5A(UL) | 70W | Typical 5000K | SL-Phoenix series |
| SL-Sylph/100277AC/Tr60B5A(UL) | | | SL-Trex series |
| SL-Sylph/100277AC/Ve60B5A(UL) | | | SL-Venus series |

Note:

1. The luminaire power consumption is the maximum value measured at 110VAC operating.

Product Specification

| Parameter | Description |
|---|---|
| Light Source | High Power LED |
| Optical Lens | PMMA Optical Lens ¹ |
| Optical Design | Special Batwing and Asymmetrical Light Patterns |
| Correlated Color Temperature | Typical 5000K |
| Color Rendering Index | Typical 70 |
| Housing | Aluminum with Anti-corrosive Metallic Lacquer |
| Weight | ~5.2 kg (~11.5lbs) with Power Supply Unit |
| Installation Tube Diameter (OD ²) | 60 mm (2.36") |
| Effective Projected Area (EPA) | 0.48 square feet |
| IP Rating | IP 65 for Light Engine& Power Supply |

Note:

1. PMMA optical Lens can not be cleaned by organic or acidic solvent. Lens damage caused by organic or acidic solvent may lead to decrease of light output.
2. OD: Outer diameter

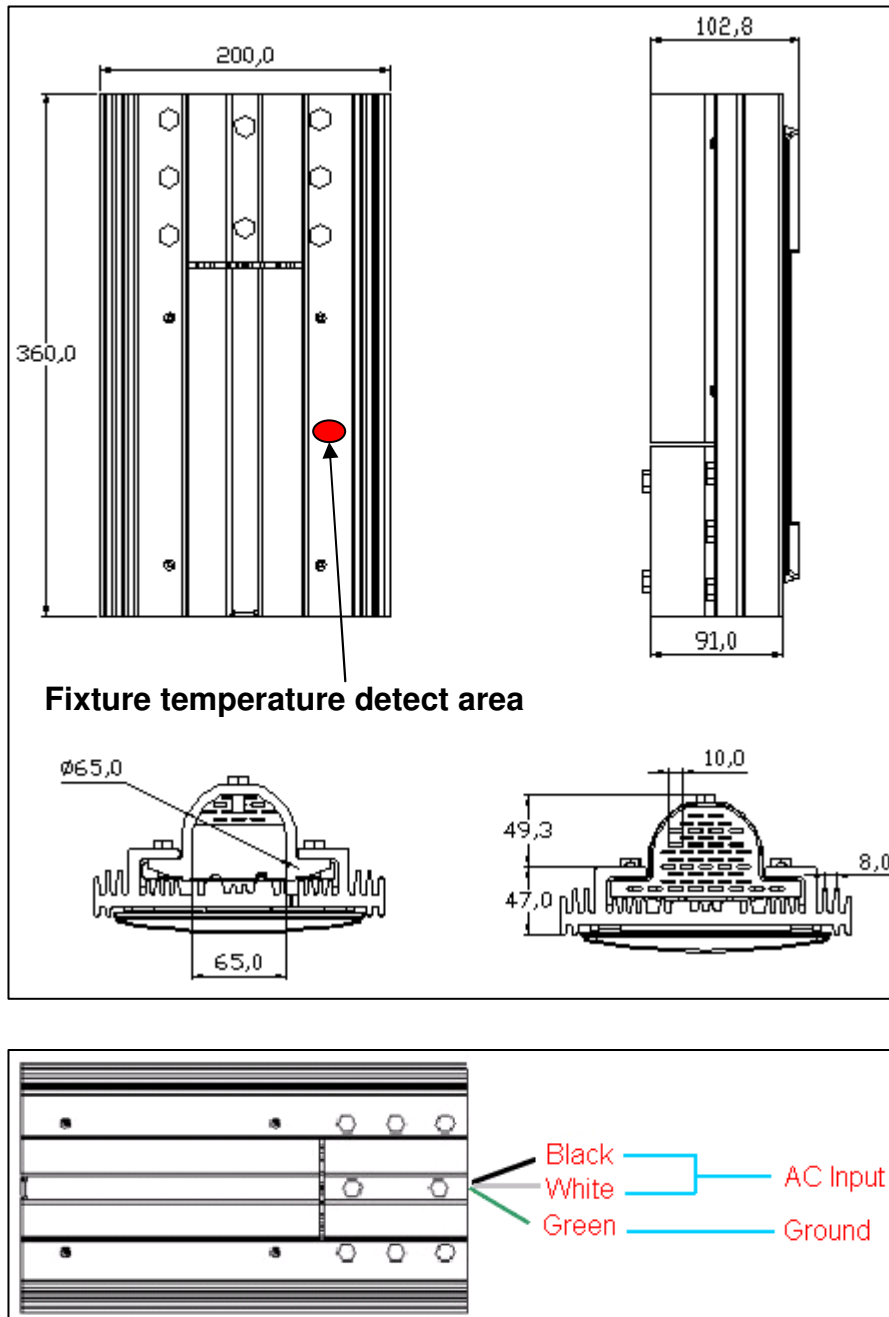
Electro-Optical-Thermal Characteristics ($T_{Ambient}=25^{\circ}C$)

| Parameter | Symbol | Property Unit | | Unit |
|---|-----------|---------------|--------------|-------------|
| ¹ Total Power Option | W | ~38 | ~70 | Watt |
| ² Initial Luminaire Light Output (Typical 5000K) | Φ_v | Minimum 3000 | Minimum 5600 | lm |
| ³ Fixture Temperature | T_f | ~40 | ~50 | $^{\circ}C$ |
| Input Voltage (AC) | V_{AC} | 100~240 | 100~277 | V |
| Operating Temperature | T_a | -30~+40 | | $^{\circ}C$ |
| Storage Temperature | T_{stg} | -30~+60 | | $^{\circ}C$ |

Note:

1. The luminaire power consumption is the maximum value measured at 110VAC operating.
2. Luminaire light output is measured at $T_a=25^{\circ}C$ by following LM-79 standard with a tolerance of +/- 10%.
3. The fixture temperature of SL-Sylph series is measured under good natural convection and at $T_a=25^{\circ}C$.

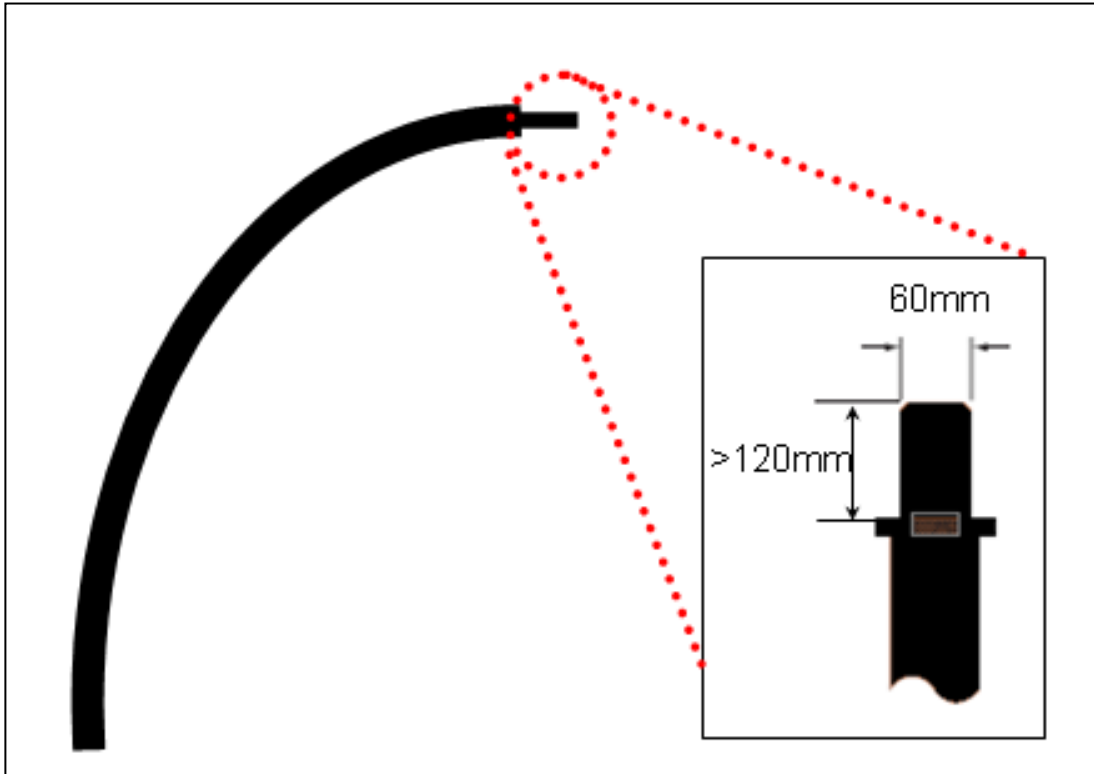
Product Dimension: 360(L) X 200(W) X 102.8(H) mm



Notes:

1. Dimensions are in millimeters
2. Tolerances unless otherwise mentioned is ± 2 mm
3. The Sylph can be mounted on a standard 60mm diameter pole.

Installation Pole Specifications



Everlight Sylph Street Light Illumination Characteristics

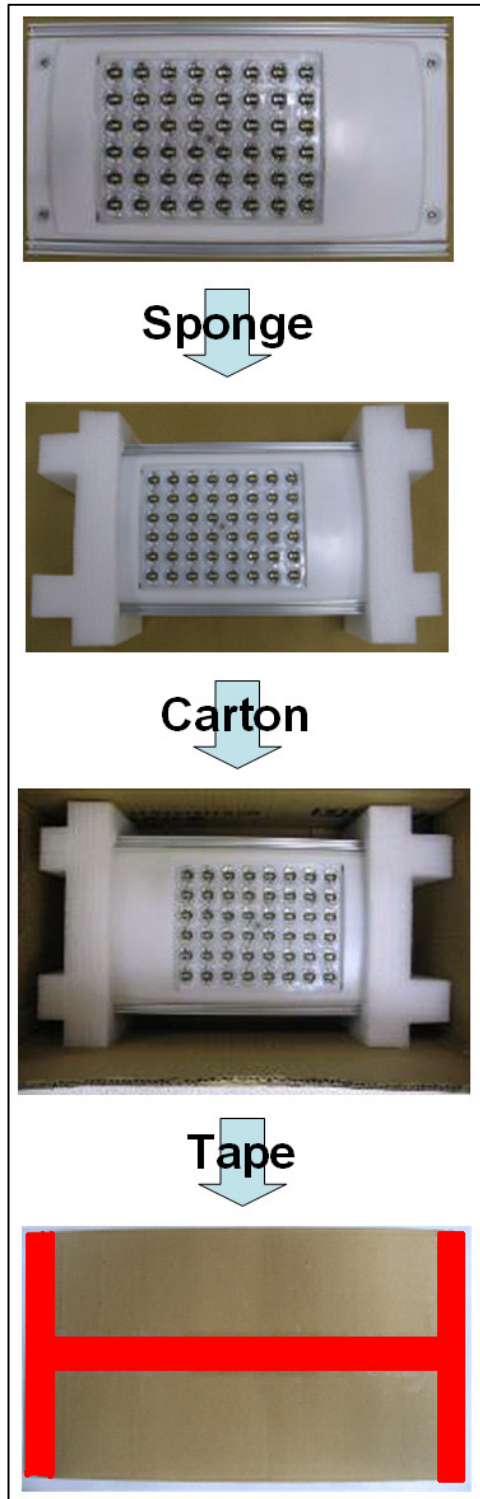
| Intensity Distribution Curve Choices | | | |
|--------------------------------------|---|--|---|
| Light Engine Type | SL-Phoenix series | SL-Trex series | SL-Venus series |
| Intensity Distribution Curve | <p>Polar Candela Distribution</p> <p>180° 170° 160° 150° 140°</p> <p>2.100 1.750 1.400 1.050 700 350 CD: 0 350 700 1.050 1.400 1.750 2.100</p> <p>VA: 0° 10° 20° 30° 40°</p> <p>■ - 0° H □ - 180° H ■ - Max Cd: 280° H ■ - 90° H □ - 270° H</p> | <p>Polar Candela Distribution</p> <p>180° 170° 160° 150° 140°</p> <p>2.500 2.083 1.667 1.250 833 417 CD: 0 417 833 1.250 1.667 2.083 2.500</p> <p>VA: 0° 10° 20° 30° 40°</p> <p>■ - 0° H □ - 180° H ■ - Max Cd: 280° H ■ - 90° H □ - 270° H ■ - 45° H</p> | <p>Polar Candela Distribution</p> <p>180° 170° 160° 150° 140°</p> <p>2.700 2.250 1.800 1.350 900 450 CD: 0 450 900 1.350 1.800 2.250 2.700</p> <p>VA: 0° 10° 20° 30° 40°</p> <p>■ - 0° H □ - 180° H ■ - Max Cd: 82.5° H ■ - 90° H □ - 270° H ■ - 22.5° H ■ - 45° H ■ - 67.5° H</p> |
| Application | <p>TYPE II</p> <p>Asymmetric wide for parking and road way applications.</p> | <p>TYPE III</p> <p>Asymmetric short for parking and road way applications.</p> | <p>TYPE II</p> <p>Asymmetric wide for streets and pedestrian walkways.</p> |
| Isolux Plot | <p>Isolux Plot</p> <p>4 3 2 1 0 1 2 3</p> <p>4 3 2 1 0 1 2 3 4</p> <p>■ 25 LUX □ 5 LUX ■ 0.5 LUX Mount height: 6m ■ 20 LUX □ 2.5 LUX ■ 0.1 LUX Total LLF: 1 ■ 10 LUX □ 1 LUX</p> <p>Distance in units of mount height</p> | <p>Isolux Plot</p> <p>4 3 2 1 0 1 2 3</p> <p>4 3 2 1 0 1 2 3 4</p> <p>■ 40 LUX □ 5 LUX ■ 0.5 LUX Mount height: 6m ■ 20 LUX □ 2.5 LUX ■ 0.1 LUX Total LLF: 1 ■ 10 LUX □ 1 LUX</p> <p>Distance in units of mount height</p> | <p>Isolux Plot</p> <p>4 3 2 1 0 1 2 3</p> <p>4 3 2 1 0 1 2 3 4</p> <p>■ 30 LUX □ 5 LUX ■ 0.5 LUX Mount height: 6m ■ 20 LUX □ 2.5 LUX ■ 0.25 LUX Total LLF: 1 ■ 10 LUX □ 1 LUX</p> <p>Distance in units of mount height</p> |

Notes:

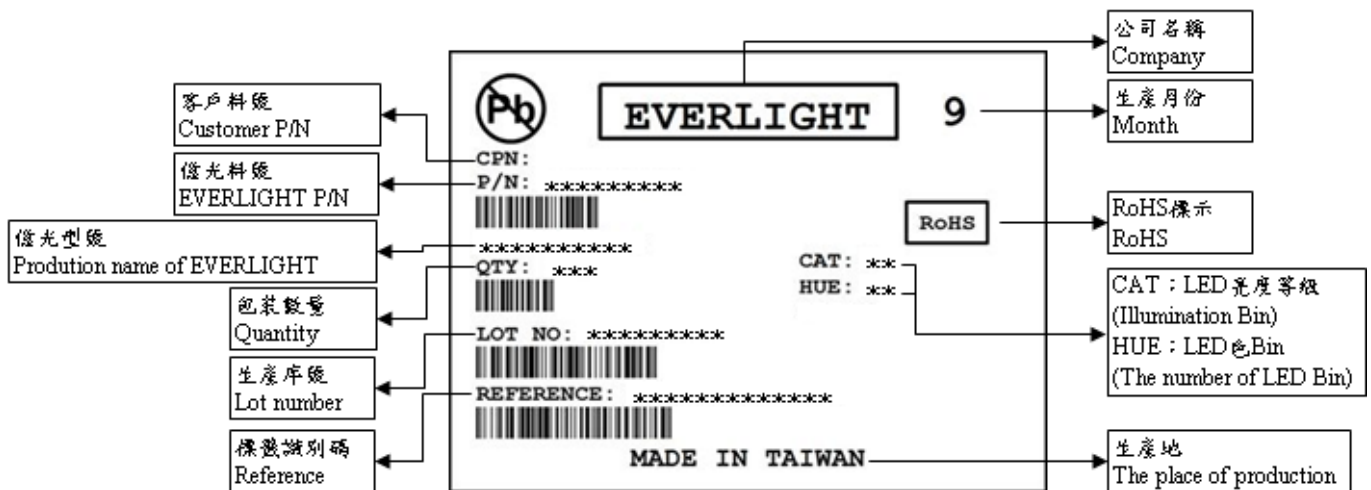
1. The iso lux plot is only a reference for light patterns.
2. To get more information about lux vs. mounting height, please refer to "SL-Sylph Installation Instruction"

Carrier Specifications

1. Carton size: 479(L) x 270(W) x 179(H) mm
2. Overall weight: ~6 Kg/~13 lbs (with packaging)



Label Explanation



Note:

1. The information in this document displays the current technical state. Subject to modification.
2. Before installing, please refer to the separate document, "SL-Sylph Series Installation Instruction"