

PRO 115 L1



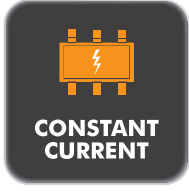
ONEwhite®
Global Color Consistency



Capzul®
Waterproof Encapsulation



VersaLenz
Advanced Optics



CONSTANT CURRENT



UV RESISTANT



50,000 HR
L70 LIFETIME

Ordering Information

| Part Number | White Color Temperature | Number of Modules | | Nominal Light Output (lm) | | |
|-------------------|-------------------------|-------------------|-----------|---------------------------|----------|-----------|
| | | per Foot | per Meter | per Module | per Foot | per Meter |
| LS-PRO115-ASW-2L1 | AgiLight Sign White | 2 | 6.56 | 57.5 | 115 | 377 |
| LS-PRO115-65K-2L1 | 6500K | 2 | 6.56 | 57.5 | 115 | 377 |

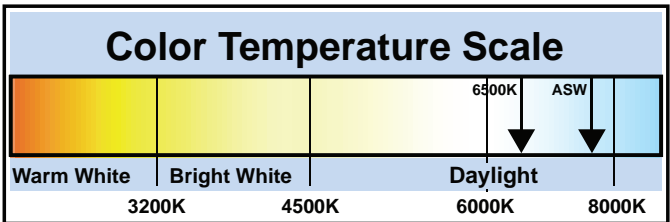
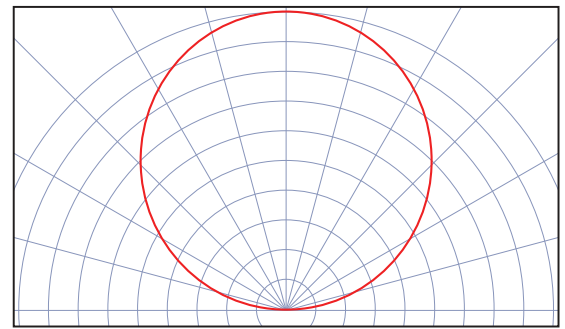
*±10%

Product Ratings

| | |
|-------------------------|---|
| Luminous Efficacy | 106 lm/W |
| Max. Wattage per Module | 0.57 W (0.54 W Nom.) |
| Input Current | 0.045 A/module |
| Power Supply | Class 2: 5A, 60W 102 modules per power supply max. |
| Ingress Protection | IP68 |
| Operating Temperature | -40°C to +60°C (-40°F to +140°F) |
| L70 Lifetime | 50,000 hours |
| Warranty | 5 Year limited |

Luminous Intensity Distribution

L1 120° Beam Angle



Applications

- Channel Letters with a depth of 5 inches (125mm) and greater

PRO 115 L1

Population Density Guide ¹

| Channel Depth (inch / mm) | Max. Single Stroke (inch / mm) | Max. Multiple Row (inch / mm) |
|------------------------------|-----------------------------------|----------------------------------|
| 5 / 125 | 6 / 152 | 5 / 127 |
| 6 / 150 | 7 / 178 | 6 / 152 |
| 7 / 180 | 8 / 203 | 7 / 178 |

¹ Modules are spaced with wires at full stretch, unless noted otherwise.
7328 White Acrylic was used for testing the face light uniformity; other face materials may vary the module and row spacing to achieve the same face light uniformity and brightness.

LED Module to Power Supply Wire Size

| Wire Size | | Maximum Distance* | |
|----------------|------------------------------|-------------------|--------|
| Gauge (AWG) | Metric (mm ²) | Feet | Meters |
| 26 | 0.13 | 3 | 0.9 |
| 24 | 0.21 | 4 | 1.2 |
| 22 | 0.33 | 7 | 2.1 |
| 20 | 0.52 | 11 | 3.4 |
| 18 | 0.82 | 18 | 5.5 |
| 16 | 1.31 | 29 | 8.8 |
| 14 | 2.08 | 45 | 13.7 |
| 12 | 3.31 | 71 | 21.6 |
| 10 | 5.26 | 120 | 36.6 |

* Distance from power supply to load at full capacity.

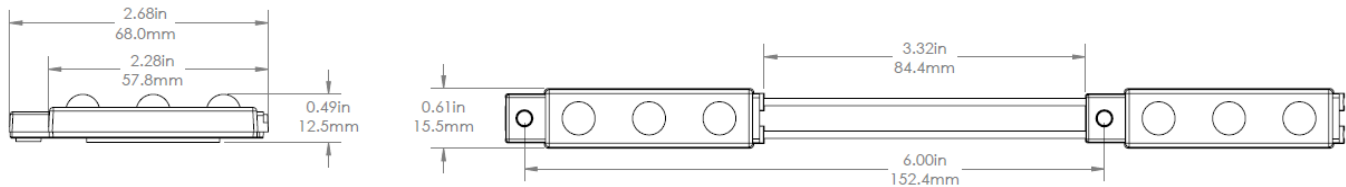
Power Supply Load Chart

| LED Module | LS-PRO115-xxx-2L1 | | |
|-------------------------|-----------------------|--------------------|----------------------|
| Class 2 Power Supply | Total # of Modules | Total # of Feet | Total # of Meters |
| 12W | 20 | 10.0 | 3.0 |
| 60W | 102 | 51.0 | 15.5 |

| Class 1 Power Supply (Wired in parallel strings) | Max. # Modules per String | Total # of Modules | Total # of Feet | Total # of Meters |
|--|------------------------------|-----------------------|--------------------|----------------------|
| 100W | 102 | 166 | 83.0 | 25.3 |
| 150W | 102 | 250 | 125.0 | 38.1 |
| 220W | 102 | 366 | 183.0 | 55.8 |

Note: Wiring details in "Installation Guide: Wiring Instructions for Class 1 Power Supplies to LED Modules".

LED Module Dimensions



Shipping Information

| Model | Tray Quantity | Box Quantity | Case Quantity | Case Weight | Box Dimensions | | | Case Dimensions | | |
|-------------------|--------------------|----------------------|-----------------------|----------------------|----------------|------|------|-----------------|-------|-------|
| | | | | | W | D | H | W | D | H |
| LS-PRO115-xxx-2L1 | 40 Modules | 200 Modules | 1000 Modules | 37 (lb) 16.8 (kg) | 19.7" | 9.6" | 4.1" | 23.0" | 20.3" | 10.6" |
| | 20 (ft) 6.1 (m) | 100 (ft) 30.5 (m) | 500 (ft) 152.4 (m) | | | | | | | |



CAUTIONS

1. These products are only suitable for connection to a Class 2 power source rated 12 Volt or less.
2. These products are intended for use only when connected to a power source that complies with Class 2 voltage and energy limited circuit.
3. When these units are connected to a Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the Class 2 power supply.
4. These products may be secured in place in the end product by any means available.
5. These products are suitable for use in dry, damp, and wet locations. Not suitable for submersed this is the main applications.