



Our SignRayz[®] Pro Premium 4 modules feature VersaLentz[®] advanced optics and batwing beam patterns that enable large areas of light coverage. Spaced at 8 inches (200 mm), our versatile 24V Pro Premium 2 modules are rated IP68 and available in 5 brilliant color temperatures from 3000K to 7100K.



24V DC



9 YEAR WARRANTY



ONEWhite[®] COLOR CONSISTENCY



CAPZUL[®] WATERPROOF



CONSTANT CURRENT



UV RESISTANT



70,000 HRS L70 LIFETIME

Applications:

- High-brightness channel letters
- High-brightness box signs
- Cabinet signs
- Accent lighting

ORDERING GUIDE

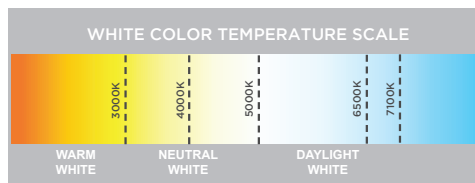
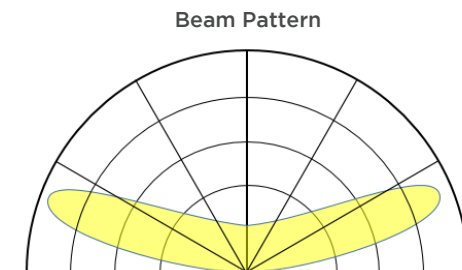
| Part Number | White Color Temp. | Module Spacing (mm) | Number of Modules | | Nominal Light Output (lm)* | | |
|-------------------------|-------------------|---------------------|-------------------|-----------|----------------------------|----------|-----------|
| | | | Per Foot | Per Meter | Per Module | Per Foot | Per Meter |
| LS-PRO4-24-SO-71K-200-A | 7100K | 200 | 1.52 | 5 | 140 | 213 | 700 |
| LS-PRO4-24-SO-65K-200-A | 6500K | 200 | 1.52 | 5 | 140 | 213 | 700 |
| LS-PRO4-24-SO-50K-200-A | 5000K | 200 | 1.52 | 5 | 140 | 213 | 700 |
| LS-PRO4-24-SO-40K-200-A | 4000K | 200 | 1.52 | 5 | 133 | 203 | 665 |
| LS-PRO4-24-SO-30K-200-A | 3000K | 200 | 1.52 | 5 | 133 | 203 | 665 |

* ± 10%

PRODUCT RATINGS

| | |
|-----------------------|--------------------------------|
| Luminous Efficacy | 164.7 lm/W @ 6500K |
| Wattage per Module | 0.85 W Nominal |
| Input Voltage | 24 V DC |
| Input Current | 0.035 A/ module |
| Ingress Protection | IP68 |
| Operating Temperature | -40° - +140° F (-40° - +60° C) |
| L70 Lifetime @ 60° C | 70,000 Hours |
| Warranty | 9 Year Limited Warranty |

LUMINOUS INTENSITY DISTRIBUTION



MODULE DIMENSIONS

| Part Number | Length (in/mm) | Width (in/mm) | Height (in/mm) |
|-------------------------|----------------|---------------|----------------|
| LS-PRO4-24-SO-XXX-200-A | 3.32/84.3 | 0.72/18.28 | 0.44/11.25 |

REV: 04DEC2020

Data sheet subject to change without notice.



POWER SUPPLY LOADING

| Module Type | | LS-PRO4-24-SO-XXX-200-A | | | |
|--|------------------------------|-------------------------|-----------------|-------------------|------|
| Power Supply (wired in Parallel Strings) | Max. # of Modules Per String | Total # of Modules | Total # of Feet | Total # of Meters | |
| UL Class 2 | 60W | 63 | 66 | 43.3 | 13.2 |
| | 100W | 103 | 110 | 72.2 | 22 |

- Notes:**
1. Loading calculated at 25°C.
 2. For maximum loading to be reached, a center connection to the LEDs is recommended to minimize voltage drop.
 3. All values include an 8% buffer from maximum load.
 4. Single String Max Modules values can be used with the remote mounting to power supply table.

REMOTE MOUNTING DISTANCE

| Power Supply | 18AWG (ft/m) | 16AWG (ft/m) | 14AWG (ft/m) | 12AWG (ft/m) |
|--------------|--------------|--------------|--------------|--------------|
| 60W | 20/6.1 | 25/7.6 | 35/10.6 | 40/12.1 |
| 100W | 20/6.1 | 25/7.6 | 35/10.6 | 40/12.1 |

- Notes:**
1. Power supply always has 8% buffer
 2. These values are good for use with Power Supply Loading Table Single String Max Module values

LAYOUT GUIDE*

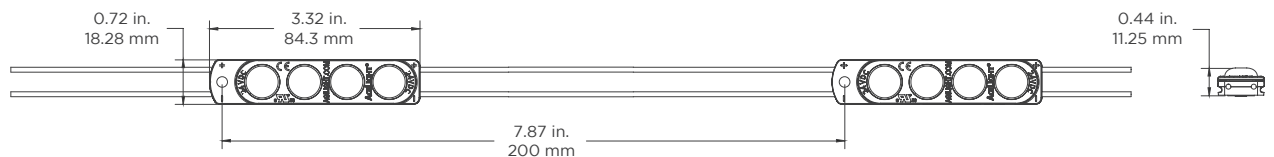
| Channel Depth (in.) | Single Row | | Multiple Rows | | Channel Depth (mm) | Single Row | | Multiple Rows | |
|---------------------|-------------|----------------|---------------|----------------|--------------------|-------------|----------------|---------------|----------------|
| | Max. Stroke | Module Spacing | Row Spacing | Module Spacing | | Max. Stroke | Module Spacing | Row Spacing | Module Spacing |
| 4 | 9.8 | 7.9 | 7.9 | 7.9 | 100 | 250 | 200 | 200 | 200 |
| 5 | 11.8 | 7.9 | 9.8 | 7.9 | 125 | 300 | 200 | 250 | 200 |
| 6 | 14.8 | 7.9 | 11.8 | 7.9 | 150 | 375 | 200 | 300 | 200 |
| 7 | 17.7 | 7.9 | 14.2 | 7.9 | 180 | 450 | 200 | 360 | 200 |
| 8 | 19.7 | 7.9 | 15.8 | 7.9 | 200 | 500 | 200 | 400 | 200 |

*Module spacing is defined to achieve minimum 600 lux at sign face (7328 white)
**Modules are staggered

SHIPPING INFORMATION

| Module Type | Specs | Packaging Quantity | | | Carton Weight | Box Dimensions | | | Carton Dimensions | | |
|-------------------------|---------|--------------------|---------|------------|---------------|----------------|-----|-----|-------------------|------|------|
| | | Per Bag | Per Box | Per Carton | | W | D | H | W | D | H |
| LS-PRO4-24-SO-XXX-200-A | Modules | 100 | 400 | 800 | inch | 13.8 | 9.8 | 9.1 | 20.5 | 14.6 | 10.2 |
| | Feet | 65.6 | 262.4 | 524.8 | mm | 350 | 250 | 230 | 520 | 370 | 260 |
| | Meters | 20 | 80 | 160 | | | | | | | |

DIMENSION DRAWING



1. UL ONLY - These products are only suitable for connection to a UL rated Class 2 power source rated 12 Volt or less.
2. UL ONLY - These products are intended for use only when connected to a power source that complies with UL rated Class 2 voltage and energy limited circuit.
3. UL ONLY - When these units are connected to a UL rated Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the UL rated 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 applications.