



Our PRO Premium 2 High Output LED modules feature VersaLentz<sup>®</sup> advanced optics and batwing beam patterns that enable large areas of light coverage. Each PRO Premium module contains an integrated circuit that maintains constant current, so there is no lumen drop across any string of modules. Spaced at 8 inches (200 mm), our 24V PRO Premium 2 High Output modules are rated IP68 and available in 5 brilliant color temperatures from 3000K to 7100K for high-brightness signage.



24V DC



9 YEAR WARRANTY



ONEWhite<sup>®</sup> COLOR CONSISTENCY



VERSALENZ<sup>®</sup> ADVANCED OPTICS



CAPZUL<sup>®</sup> 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**

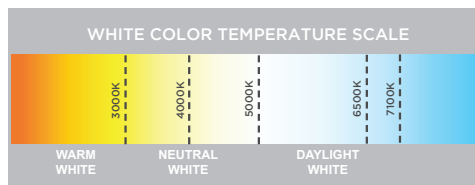
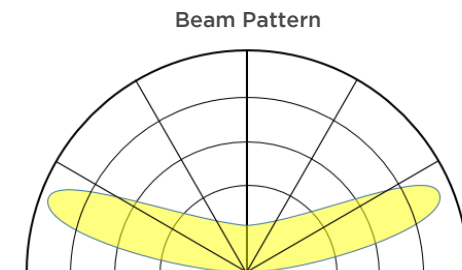
| Part Number             | White Color Temp. | Module Spacing (mm) | Number of Modules |           | Nominal Light Output (lm)* |          |           |
|-------------------------|-------------------|---------------------|-------------------|-----------|----------------------------|----------|-----------|
|                         |                   |                     | Per Foot          | Per Meter | Per Module                 | Per Foot | Per Meter |
| LS-PRO2-24-HO-71K-200-A | 7100K             | 200                 | 1.52              | 5         | 80                         | 122      | 400       |
| LS-PRO2-24-HO-65K-200-A | 6500K             | 200                 | 1.52              | 5         | 80                         | 122      | 400       |
| LS-PRO2-24-HO-50K-200-A | 5000K             | 200                 | 1.52              | 5         | 80                         | 122      | 400       |
| LS-PRO2-24-HO-40K-200-A | 4000K             | 200                 | 1.52              | 5         | 76                         | 116      | 380       |
| LS-PRO2-24-HO-30K-200-A | 3000K             | 200                 | 1.52              | 5         | 76                         | 116      | 380       |

\* ±10%

**PRODUCT RATINGS**

|                       |                                |
|-----------------------|--------------------------------|
| Luminous Efficacy     | 163.3 lm/W @ 6500K             |
| Wattage per Module    | 0.49 W Nominal                 |
| Input Voltage         | 24 V DC                        |
| Input Current         | 0.020 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-PRO2-24-HO-XXX-200-A | 2.26/57.3      | 0.72/18.28    | 0.44/11.25     |

REV.23AUG2021

Data sheet subject to change without notice.



**POWER SUPPLY LOADING**

| Module Type                                    |                                    | LS-PRO2-24-HO-XXX-200-A  |                       |                         |      |
|--|------------------------------------|--------------------------|-----------------------|-------------------------|------|
| Power Supply<br>(wired in<br>Parallel Strings) | Max. # of<br>Modules<br>Per String | Total #<br>of<br>Modules | Total #<br>of<br>Feet | Total #<br>of<br>Meters |      |
| UL<br>Class 2                                  | 60W                                | 110                      | 115                   | 75.5                    | 23   |
|  | 100W                               | 144                      | 192                   | 126                     | 38.4 |

- 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<br>(ft/m) | 16AWG<br>(ft/m) | 14AWG<br>(ft/m) | 12AWG<br>(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\***

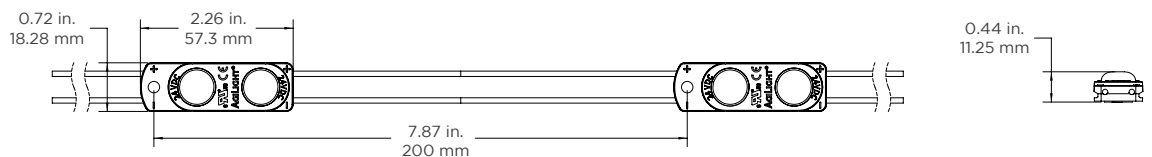
| Channel Depth (in.) | Single Row  |                | Multiple Rows |                | Channel Depth (mm) | Single Row  |                | Multiple Rows |                |
|---------------------|-------------|----------------|---------------|----------------|--------------------|-------------|----------------|---------------|----------------|
|                     | Max. Stroke | Module Spacing | Row Spacing   | Module Spacing |                    | Max. Stroke | Module Spacing | Row Spacing   | Module Spacing |
| 1.57                | 3.9         | 3.5            | 3.2           | 3.5            | 40                 | 100         | 90             | 80            | 90             |
| 2                   | 4.9         | 4.3            | 3.9           | 4.3            | 50                 | 125         | 110            | 100           | 110            |
| 3                   | 7.1         | 6.3            | 5.9           | 6.3            | 75                 | 180         | 160            | 150           | 160            |
| 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            |

\*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-PRO2-24-HO-XXX-200-A | Modules | 100                | 600     | 1200       | inch          | 13.8           | 9.8 | 9.1 | 20.5              | 14.6 | 10.2 |
|                         | Feet    | 65.6               | 393.7   | 787.4      | mm            | 350            | 250 | 230 | 520               | 370  | 260  |
|                         | Meters  | 20                 | 120     | 240        |               |                |     |     |                   |      |      |

**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.