

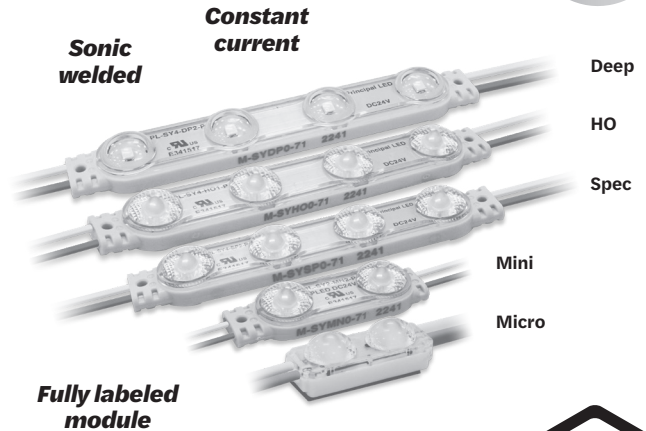
# PRISM SYNERGY MODS **G1** 24 VDC

High-performance 24V LED channel letter illumination



## Specifications

|                                   |   |                             |
|-----------------------------------|---|-----------------------------|
| <b>Dimensions L x W x H</b> ..... | Micro .....                                 | 1.02" x 0.35" x 0.37"       |
|                                   | Mini .....                                  | 2.05" x 0.73" x 0.38"       |
|                                   | Spec .....                                  | 3.78" x 0.73" x 0.38"       |
|                                   | HO, Deep .....                              | 4.25" x 0.73" x 0.38"       |
|                                   | <b>Beam angle</b> .....                     | Micro, Mini, .....          |
|                                   | Spec, HO                                    |                             |
|                                   | Deep .....                                  | 140°                        |
| <b>Mounting options</b> .....     | Micro .....                                 | Peel-N-Stick                |
|                                   | Mini, Spec, .....                           | Peel-N-Stick and mechanical |
|                                   | HO, Deep                                    |                             |
|                                   | <b>Operating temp.</b> .....                | -40° C to +70° C            |
| <b>Environment</b> .....          | IP67  |                             |
| <b>Wire color</b> .....           | White (+) / Gray (-)                        |                             |
| <b>Warranty</b> .....             | Life of Sign Warranty/10-year Limited Labor |                             |



## Whites

| Product                    | Mods per ft | Color temp. | SKU         | Power        | Intensity                | Efficacy | Packaging  | Max. mods/series | Max. mods per 96 W power supply | UL number    |
|----------------------------|-------------|-------------|-------------|--------------|--------------------------|----------|--|------------------|---------------------------------|--------------|
| <b>Prism Synergy Micro</b> | 6           | 7100 K      | M-SYMC0-71  | 0.286 W /mod | 46.7 lm/mod (280 lm/ft)  | 163 lm/W | Mods per bag: 300<br>Mods per strand: 60<br>Strands per bag: 5<br>Bags per case: 16<br>Mods per case: 4800 | 120 mods         | 335 (55 ft)                     | PL-SY2-MC7-P |
|                            |             | 6500 K      | M-SYMC0-65  |              |                          |          |  |                  |                                 |              |
|                            |             | 5000 K      | M-SYMC0-50  |              |                          |          |  |                  |                                 |              |
|                            |             | 4100 K      | M-SYMC0-41  |              |                          |          |  |                  |                                 |              |
|                            |             | 3000 K      | M-SYMC0-30  |              |                          |          |  |                  |                                 |              |
| <b>Prism Synergy Mini</b>  | 1.8         | 7100 K      | M-SYMNO-71  | 0.461 W /mod | 72.0 lm/mod (130 lm/ft)  | 156 lm/W | Mods per bag: 200<br>Mods per strand: 50<br>Strands per bag: 4<br>Bags per case: 8<br>Mods per case: 1600  | 50 mods          | 208 (115 ft)                    | PL-SY2-MN2-P |
|                            |             | 6500 K      | M-SYMNO-65  |              |                          |          |  |                  |                                 |              |
|                            |             | 5000 K      | M-SYMNO-50  |              |                          |          |  |                  |                                 |              |
|                            |             | 4100 K      | M-SYMNO-41  |              |                          |          |  |                  |                                 |              |
|                            |             | 3000 K      | M-SYMNO-30  |              |                          |          |  |                  |                                 |              |
| <b>Prism Synergy Spec</b>  | 1.3         | 7100 K      | M-SYSPO-71  | 0.888 W /mod | 138.4 lm/mod (180 lm/ft) | 156 lm/W | Mods per bag: 100<br>Mods per strand: 50<br>Strands per bag: 2<br>Bags per case: 10<br>Mods per case: 1000 | 50 mods          | 108 (83 ft)                     | PL-SY4-SP2-P |
|                            |             | 6500 K      | M-SYSPO-65  |              |                          |          |  |                  |                                 |              |
|                            |             | 5000 K      | M-SYSPO-50  |              |                          |          |  |                  |                                 |              |
|                            |             | 4100 K      | M-SYSPO-41  |              |                          |          |  |                  |                                 |              |
|                            |             | 3000 K      | M-SYSPO-30  |              |                          |          |  |                  |                                 |              |
| <b>Prism Synergy HO</b>    | 1.2         | 7100 K      | M-SYHXX-71* | 1.330 W /mod | 208.5 lm/mod (250 lm/ft) | 157 lm/W | Mods per bag: 72<br>Mods per strand: 36<br>Strands per bag: 2<br>Bags per case: 13<br>Mods per case: 936   | 36 mods          | 72 (60 ft)                      | PL-SY4-HO1-P |
|                            |             | 6500 K      | M-SYHXX-65* |              |                          |          |  |                  |                                 |              |
|                            |             | 5000 K      | M-SYHXX-50* |              |                          |          |  |                  |                                 |              |
|                            |             | 4100 K      | M-SYHXX-41* |              |                          |          |  |                  |                                 |              |
|                            |             | 3000 K      | M-SYHXX-30* |              |                          |          |  |                  |                                 |              |
| <b>Prism Synergy Deep</b>  | 1.8         | 7100 K      | M-SYDPO-71  | 1.330 W /mod | 208.5 lm/mod (375 lm/ft) | 157 lm/W | Mods per bag: 72<br>Mods per strand: 36<br>Strands per bag: 2<br>Bags per case: 15<br>Mods per case: 1080  | 36 mods          | 72 (40 ft)                      | PL-SY4-DP2-P |
|                            |             | 6500 K      | M-SYDPO-65  |              |                          |          |  |                  |                                 |              |
|                            |             | 5000 K      | M-SYDPO-50  |              |                          |          |  |                  |                                 |              |
|                            |             | 4100 K      | M-SYDPO-41  |              |                          |          |  |                  |                                 |              |
|                            |             | 3000 K      | M-SYDPO-30  |              |                          |          |  |                  |                                 |              |



\* **XX** can be **00** (Gen 1), or **02** (Gen 2).  
Gen 2 parts (coming September 2025) share same specification values as Gen 1 parts.

Specifications subject to change without notice.



# PRISM SYNERGY MODS **G1** **24** VDC

High-performance 24V LED channel letter illumination



## Specifications (cont.)

### Colors

\* Limited quantity on hand.

| Product            | Mods /ft | Color temp. | SKU        | Power        | Intensity                | Efficacy | Packaging  | Max. mods/ series | Max. mods per 96 W power supply | UL number    |
|--------------------|----------|-------------|------------|--------------|--------------------------|----------|--|-------------------|---------------------------------|--------------|
| Prism Synergy Mini | 1.8      | Red         | M-SYMNO-RD | 0.461 W /mod | 16.3 lm/mod (29 lm/ft)   | 35 lm/W  | Mods per bag: 200<br>Mods per strand: 50<br>Strands per bag: 4<br>Bags per case: 8<br>Mods per case: 1600  | 50 mods           | 208 (115 ft)                    | PL-SY2-MN2-P |
|                    |          | Orange*     | M-SYMNO-OR |              | 21.0 lm/mod (37.8 lm/ft) | 44 lm/W  |  |                   |                                 |              |
|                    |          | Yellow*     | M-SYMNO-YL |              | 17.0 lm/mod (30.6 lm/ft) | 35 lm/W  |  |                   |                                 |              |
|                    |          | Green       | M-SYMNO-GR |              | 43.9 lm/mod (79 lm/ft)   | 95 lm/W  |  |                   |                                 |              |
|                    |          | Blue        | M-SYMNO-BL |              | 9.8 lm/mod (18 lm/ft)    | 21 lm/W  |  |                   |                                 |              |
| Prism Synergy Spec | 1.3      | Red         | M-SYSP0-RD | 0.888 W /mod | 20.4 lm/mod (26 lm/ft)   | 23 lm/W  | Mods per bag: 100<br>Mods per strand: 50<br>Strands per bag: 2<br>Bags per case: 10<br>Mods per case: 1000 | 50 mods           | 108 (83 ft)                     | PL-SY4-SP2-P |
|                    |          | Orange*     | M-SYSP0-OR |              | 51.0 lm/mod (66.3 lm/ft) | 59 lm/W  |  |                   |                                 |              |
|                    |          | Yellow*     | M-SYSP0-YL |              | 33.0 lm/mod (42.9 lm/ft) | 37 lm/W  |  |                   |                                 |              |
|                    |          | Green       | M-SYSP0-GR |              | 54.9 lm/mod (71 lm/ft)   | 62 lm/W  |  |                   |                                 |              |
|                    |          | Blue        | M-SYSP0-BL |              | 11.9 lm/mod (15 lm/ft)   | 13 lm/W  |  |                   |                                 |              |

## Life of Sign Warranty

- The Life of Sign Warranty only applies to the Prism Synergy modules in applications, not the power supply.
- The product warranty itself is the same as it is for all of our other products as outlined in the Principal Sloan Warranty Statement; only the duration of the coverage has changed.
- The lifetime product coverage will require the submission of the **Principal Sloan Warranty Registration Form** within 30 days of the installation of the sign.
- If the Warranty Registration Form is submitted within the specified 30-day period, the term of the coverage begins at the date of the sign installation.
- If the Warranty Registration Form is not submitted within the specified 30-day period, the term of the coverage begins at the manufacture date code on the products.
- The lifetime warranty will only apply to the original and unaltered sign
- For specification work, the warranty is with the OEM or National Program End-User per contract agreement to use the Prism Synergy Series.



# PRISM SYNERGY MODS **G1** **24** VDC

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## Recommended Coverage Charts

### Channel Letters

| Model               | Depth | Mods/ft | Single stroke width | Multi-row on-center spacing |
|---------------------|-------|---------|---------------------|-----------------------------|
| Prism Synergy Micro | 1"    | 6       | 2.5"                | 1.5"                        |
|                     | 2"    |         | 3"                  | 2.5"                        |
|                     | 3"    |         | 6"                  | 5"                          |
|                     | 4"    |         |                     | 6"                          |
| Prism Synergy Mini  | 2"    | 2.5     | 6"                  | 5"                          |
|                     | 3"    | 2       | 9"                  | 8"                          |
|                     | 4"    |         | 12"                 | 11"                         |
|                     | 5"    | 2       | 15"                 | 14"                         |
| Prism Synergy Spec  | 4"    | 1.5     | 13"                 | 12"                         |
|                     | 5"    | 1.3     | 17"                 | 16"                         |
|                     | 6"    |         |                     |                             |
| Prism Synergy HO    | 6"    | 1.2     | 16"                 | 14"                         |
|                     | 7"    |         | 17"                 | 16"                         |
|                     | 8"    |         | 18"                 | 17"                         |
| Prism Synergy Deep  | 8"    | 2       | 17"                 | 17"                         |
|                     | 9"    |         | 18"                 |                             |
|                     | 10"   |         | 20"                 | 18"                         |

### Cabinets

| Product            | Depth from stik to face | Estimated spacing between stiks |
|--------------------|-------------------------|---------------------------------|
| Prism Synergy HO   | 8 - 14"                 | 12"                             |
|                    | 14 - 16"                | 16"                             |
|                    | 16 - 18"                | 24"                             |
|                    | >18"                    | Use two banks of single-sided   |
| Prism Synergy Deep | 10 - 14"                | 12"                             |
|                    | 14 - 18"                | 16"                             |
|                    | 18 - 20"                | 24"                             |
|                    | >20"                    | Use two banks of single-sided   |

Product and depth may vary depending on face material and desired brightness. All spacing guidelines in this chart were done using 7328 White Acrylic faces. Other materials, thicknesses, and color can affect these guidelines in your sign. To ensure accuracy, it is recommended that you test the product in your specific application in a dark setting prior to installation. If you have concerns or questions about the materials you are using for your application please contact us for assistance.