

# PRISM SYNERGY

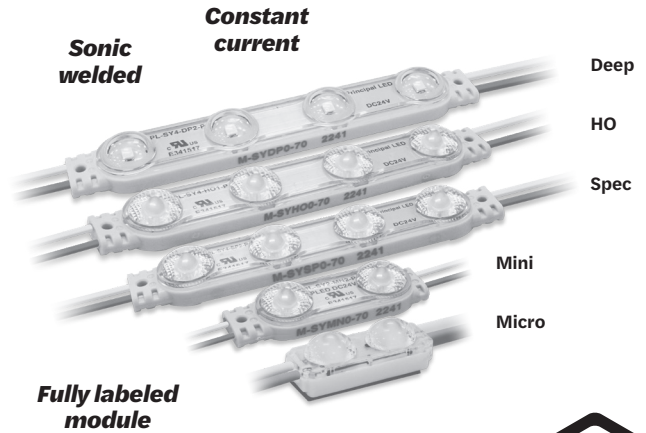
High-performance 24V LED channel letter illumination

24  
VDC



## Specifications

|                      |              |                                     |
|----------------------|--------------|-------------------------------------|
| Dimensions L x W x H | 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"               |
|                      |              |                                     |
| Beam angle           | Micro, Mini, | 170°                                |
|                      | Spec, HO     |                                     |
|                      | Deep         | 140°                                |
|                      |              |                                     |
| Mounting options     | Mico         | Peel-N-Stick                        |
|                      | Mini, Spec,  | Peel-N-Stick and mechanical         |
|                      | HO, Deep     |                                     |
|                      |              |                                     |
| Operating temp.      |              | -40° C to +70° C                    |
| Environment          |              | IP67                                |
| Wire color           |              | White (+) / Gray (-)                |
| Warranty             |              | Life of Sign Warranty/10-year Labor |



## Whites

| Product             | Mods per ft | Color temperature | SKU        | Power        | Intensity                | Efficacy | Packaging                                                                                                  | Max. mods per 96 W power supply | UL number    |
|---------------------|-------------|-------------------|------------|--------------|--------------------------|----------|------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|
| Prism Synergy Micro | 6           | 7000 K            | M-SYMC0-70 | 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 | 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 |              |                          |          |                                                                                                            |                                 |              |
| Prism Synergy Mini  | 1.8         | 7000 K            | M-SYMN0-70 | 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  | 208 (115 ft)                    | PL-SY2-MN2-P |
|                     |             | 6500 K            | M-SYMN0-65 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 5000 K            | M-SYMN0-50 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 4100 K            | M-SYMN0-41 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 3000 K            | M-SYMN0-30 |              |                          |          |                                                                                                            |                                 |              |
| Prism Synergy Spec  | 1.3         | 7000 K            | M-SYSP0-70 | 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 | 108 (83 ft)                     | PL-SY4-SP2-P |
|                     |             | 6500 K            | M-SYSP0-65 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 5000 K            | M-SYSP0-50 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 4100 K            | M-SYSP0-41 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 3000 K            | M-SYSP0-30 |              |                          |          |                                                                                                            |                                 |              |
| Prism Synergy HO    | 1.2         | 7000 K            | M-SYH00-70 | 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   | 72 (60 ft)                      | PL-SY4-HO1-P |
|                     |             | 6500 K            | M-SYH00-65 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 5000 K            | M-SYH00-50 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 4100 K            | M-SYH00-41 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 3000 K            | M-SYH00-30 |              |                          |          |                                                                                                            |                                 |              |
| Prism Synergy Deep  | 1.8         | 7000 K            | M-SYDP0-70 | 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  | 72 (40 ft)                      | PL-SY4-DP2-P |
|                     |             | 6500 K            | M-SYDP0-65 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 5000 K            | M-SYDP0-50 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 4100 K            | M-SYDP0-41 |              |                          |          |                                                                                                            |                                 |              |
|                     |             | 3000 K            | M-SYDP0-30 |              |                          |          |                                                                                                            |                                 |              |



Specifications subject to change without notice.





## Specifications (cont.)

### Colors

| Product            | Mods per ft | Color temperature | SKU       | Power        | Intensity              | Efficacy | Packaging                                                                                                  | Max. mods per 96 W power supply | UL number    |
|--------------------|-------------|-------------------|-----------|--------------|------------------------|----------|------------------------------------------------------------------------------------------------------------|---------------------------------|--------------|
| Prism Synergy Mini | 1.8         | Red               | M-SYMNO-R | 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  | 208 (115 ft)                    | PL-SY2-MN2-P |
|                    |             | Green             | M-SYMNO-G |              | 43.9 lm/mod (79 lm/ft) | 95 lm/W  |                                                                                                            |                                 |              |
|                    |             | Blue              | M-SYMNO-B |              | 9.8 lm/mod (18 lm/ft)  | 21 lm/W  |                                                                                                            |                                 |              |
| Prism Synergy Spec | 1.3         | Red               | M-SYSP0-R | 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 | 108 (83 ft)                     | PL-SY4-SP2-P |
|                    |             | Green             | M-SYSP0-G |              | 54.9 lm/mod (71 lm/ft) | 62 lm/W  |                                                                                                            |                                 |              |
|                    |             | Blue              | M-SYSP0-B |              | 11.9 lm/mod (15 lm/ft) | 13 lm/W  |                                                                                                            |                                 |              |

## Recommended Coverage Chart (Channel Letter)

| 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"                        |
|                     | 4"    |         | 6"                  | 6"                          |
| Prism Synergy Mini  | 2"    | 3       | 4.5"                | 4"                          |
|                     | 3"    | 2.5     | 8"                  | 7"                          |
|                     | 5"    | 2       | 14"                 | 13"                         |
| Prism Synergy Spec  | 3"    | 2       | 8"                  | 7"                          |
|                     | 4"    | 1.3     | 14"                 | 10"                         |
|                     | 5-8"  |         | 16"                 | 15"                         |
| Prism Synergy HO    | 3"    | 2       | 10"                 | 8"                          |
|                     | 4"    | 1.2     | 13"                 | 10"                         |
|                     | 5"    |         | 15"                 | 13"                         |
|                     | >6"   |         | 18"                 |                             |
| Prism Synergy Deep  | 5"    | 1.8     | 12"                 | 12"                         |
|                     | >7"   | 2       | 16"                 | 16"                         |