

With its slim, compact shape, the ULTRA 670 module is designed for brighter and deeper signs. ULTRA 670 features an innovative optic that expands its coverage across the sign, with light output up to 150 lumens per module. With spacing available at 8 in. (200 mm) and 10 in. (250 mm), ULTRA 670 modules are rated IP68 and come with a 9-year warranty.

Applications:

- Channel letters
- Box signs
- Cove lighting
- Applications starting at 4 in. (100 mm)



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-U670-71K-B250-A | 7100K | 250 | 1.2 | 4 | 150 | 180 | 600 |
| LS-U670-65K-B250-A | 6500K | 250 | 1.2 | 4 | 150 | 180 | 600 |
| LS-U670-57K-B250-A | 5700K | 250 | 1.2 | 4 | 150 | 180 | 600 |
| LS-U670-50K-B250-A | 5000K | 250 | 1.2 | 4 | 150 | 180 | 600 |
| LS-U670-45K-B250-A | 4500K | 250 | 1.2 | 4 | 138 | 166 | 552 |
| LS-U670-40K-B250-A | 4000K | 250 | 1.2 | 4 | 138 | 166 | 552 |
| LS-U670-30K-B250-A | 3000K | 250 | 1.2 | 4 | 127 | 155 | 508 |
| LS-U670-27K-B250-A | 2700K | 250 | 1.2 | 4 | 127 | 155 | 508 |
| LS-U670-71K-B200-A | 7100K | 200 | 1.5 | 5 | 150 | 225 | 750 |
| LS-U670-65K-B200-A | 6500K | 200 | 1.5 | 5 | 150 | 225 | 750 |
| LS-U670-57K-B200-A | 5700K | 200 | 1.5 | 5 | 150 | 225 | 750 |
| LS-U670-50K-B200-A | 5000K | 200 | 1.5 | 5 | 150 | 225 | 750 |
| LS-U670-45K-B200-A | 4500K | 200 | 1.5 | 5 | 138 | 207 | 690 |
| LS-U670-40K-B200-A | 4000K | 200 | 1.5 | 5 | 138 | 207 | 690 |
| LS-U670-30K-B200-A | 3000K | 200 | 1.5 | 5 | 127 | 191 | 635 |
| LS-U670-27K-B200-A | 2700K | 200 | 1.5 | 5 | 127 | 191 | 635 |

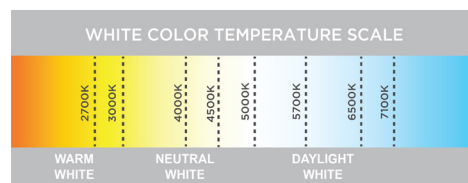
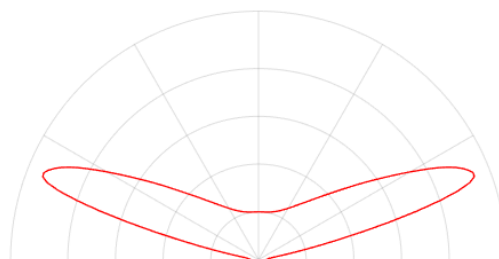
* ± 10%

PRODUCT RATINGS

| | |
|-----------------------|----------------------------------|
| Luminous Efficacy | 121 lm/W @ 6500K |
| Wattage per Module | 1.24 W Nominal 1.30 W Maximum |
| Input Voltage | 12 V DC |
| Input Current | 0.103 A/ module |
| Power Supply Loading | 44 modules per 60 W |
| Ingress Protection | IP68 |
| Operating Temperature | -40° — +140° F (-40° — +60° C) |
| L70 Lifetime @ 60° C | 50,000 Hours |
| Warranty | 9 Year Standard Warranty |

LUMINOUS INTENSITY DISTRIBUTION

600 Series Batwing Beam Pattern



REV.25AUG2022
Data sheet subject to change without notice.

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-U670-xxx-B250-A/ LS-U670-xxx-B200-A | Modules | 100 | 500 | 2000 | 46.1 lb 20.9 kg | 22.1 | 10.6 | 4.5 | 31.0 | 23.1 | 9.9 | inch |
| | Feet | 82 / 65.6 | 410 / 328.1 | 1640 / 1312.3 | | 560 | 270 | 115 | 788 | 588 | 252 | mm |
| | Meters | 25 / 20 | 125 / 100 | 500 / 100 | | | | | | | | |

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 | 13 | 9 | 9 | 9 | 100 | 330 | 225 | 225 | 225 |
| 5 | 17 | 9.8 | 13 | 9.8 | 125 | 430 | 250 | 330 | 250 |
| 6 | 20 | 9.8 | 16 | 9.8 | 150 | 505 | 250 | 405 | 250 |
| 7 | 19 | 9.8 | 18 | 9.8 | 175 | 480 | 250 | 455 | 250 |
| 8 | 17 | 9.8 | 17 | 9.8 | 200 | 430 | 250 | 430 | 250 |

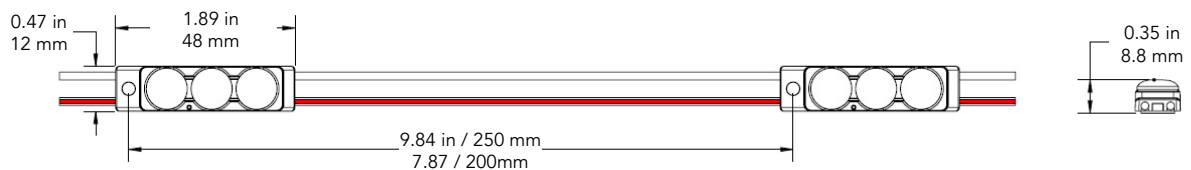
*Density guide designed to maintain a minimum of 600 lux for a single row or 800 lux for multiple rows at sign face (7328 white).

POWER SUPPLY LOADING

| LS-U670-xxx-Bxxx-A | | | | | |
|--------------------|--------------|-----------------------------------------|-------------------------------------|-----------------|-------------------|
| | Power Supply | Max. # of Modules Per Continuous String | Total # of Modules Per Power Supply | Total # of Feet | Total # of Meters |
| UL CLASS 2 | 12 W | 8 | 8 | 6.6 | 2 |
| | 15 W | 11 | 11 | 9 | 2.8 |
| | 35 W | 25 | 26 | 21.3 | 6.5 |
| | 60 W | 43 | 44 | 36.1 | 11 |
| | 180 W | 43 | 132 | 108.3 | 33 |
| UL CLASS 1 | 100 W | 47 | 72 | 59.1 | 18 |
| | 150 W | 47 | 109 | 89.4 | 27.3 |
| | 180 W | 47 | 131 | 107.4 | 32.8 |
| | 220 W | 47 | 160 | 131.2 | 40 |

Note 1. The number of modules in each of the parallel strings should not exceed the specified maximum.
2. *3 - 60 Watt Channels

DIMENSIONS



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.