

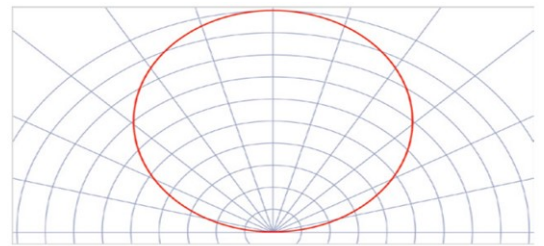
FLL White modules are premium brightness changing signage modules engineered for constant current so there is no lumen drop across the full length of any string. The FLL White modules are available in different CCT, enabling a wide variety of applications for nuanced indoor and outdoor signage and accent lighting. At the same time, The FLL White is ideal for outdoor media applications, where it can be integrated seamlessly into the facade, or it can be installed to float in the air with our highly transparent mounting options. Use DMX controls to tune brightness. Insulation Displacement Connection is adopted to reduce the voltage drop of long-distance supply. FLL Series modules are rated IP66 and come with a 2-year warranty.

APPLICATIONS

- Channel letter
- Box signs
- Cove and Accent lighting

LUMINOUS INTENSITY DISTRIBUTION

Batwing Beam Pattern (beam angle: 120°)



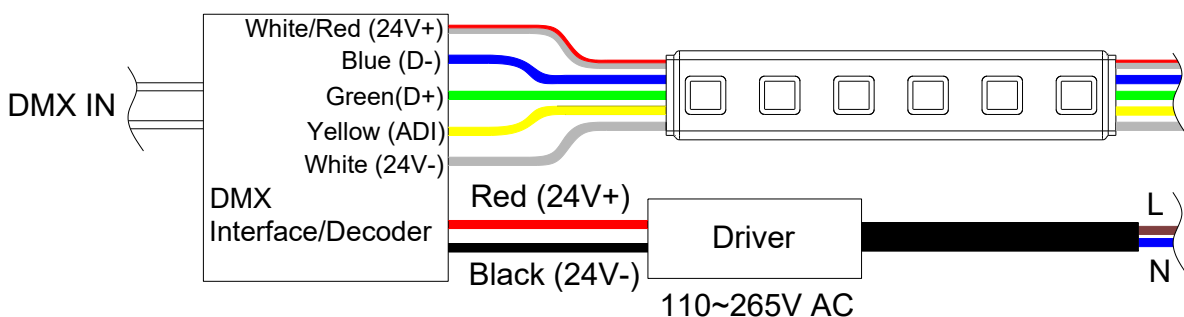
ORDERING GUIDE

| Part Number | White color Temp. | Color rendering index | Module Spacing (mm) | Number of Modules | | Nominal Light Output (lm)* | | |
|-------------|-------------------|-----------------------|---------------------|-------------------|-----------|----------------------------|----------|-----------|
| | | | | Per Foot | Per Meter | Per Module | Per Foot | Per Meter |
| FLL-W-71K | 7100K | ≥80 | 150 | 2 | 6.6 | 118 | 236 | 778.8 |
| FLL-W-65K | 6500K | ≥80 | 150 | 2 | 6.6 | 115 | 230 | 759 |
| FLL-W-57K | 5700K | ≥80 | 150 | 2 | 6.6 | 112 | 224 | 739.2 |
| FLL-W-50K | 5000K | ≥80 | 150 | 2 | 6.6 | 112 | 224 | 739.2 |
| FLL-W-45K | 4500K | ≥80 | 150 | 2 | 6.6 | 105 | 210 | 693 |
| FLL-W-40K | 4000K | ≥80 | 150 | 2 | 6.6 | 105 | 210 | 693 |
| FLL-W-30K | 3000K | ≥80 | 150 | 2 | 6.6 | 95 | 190 | 627 |
| FLL-W-27K | 2700K | ≥80 | 150 | 2 | 6.6 | 90 | 180 | 594 |

PRODUCT RATINGS

| | | | |
|----------------------|---------------------|-----------------------|----------------------------------------|
| Luminous Efficacy | 115 lm/W @6500K | Operating Temperature | -40° — +60° C |
| Wattage per Module | 1.32 W | L70 Lifetime @ 60° C | 50,000 Hours |
| Input Voltage | 24 VDC | Warranty | 2 Year Limited Warranty |
| Input Current | 55 mA per module | Control | DMX512 |
| Power Supply Loading | 68 modules per 100W | Number of Pixel | 30 pixels / Strip (1 Pixel per module) |
| Ingress Protection | IP66 | Addressing Options | Auto-Addressing |

WIRING DIAGRAM



SHIPPING INFORMATION

| Module Type | Packaging Quantity | | Carton Dimensions | | | Gross Weight | Net Weight |
|-------------|--------------------|------------|-------------------|----------|----------|--------------|------------|
| | Per Strip | Per Carton | | | | | |
| FLL-W-xxK | 30Modules | 240Modules | W | D | H | 7.49KG | 7.03KG |
| | 15.1FT | 120.7FT | 19.7 inch | 9.1 inch | 6.7 inch | | |
| | 4.6m | 36.8m | 500mm | 230mm | 170mm | | |

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 | 8 | 6 | 2 | 6 | 100 | 200 | 150 | 50 | 150 |
| 5 | 9 | 6 | 2 | 6 | 125 | 225 | 150 | 50 | 150 |
| 6 | 10 | 7 | 3 | 7 | 150 | 250 | 175 | 75 | 175 |
| 7 | 11 | 7 | 3 | 7 | 175 | 275 | 175 | 75 | 175 |
| ≥7 | 12 | 7 | 3 | 7 | ≥200 | 300 | 175 | 75 | 175 |

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

POWER SUPPLY LOADING

| FLL-W-xxK | | | | | |
|----------------------------|------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Power Supply | | 18AWG/0.82 mm ² supply wire Max. # of Modules Per Continuous String | 16AWG/1.31 mm ² supply wire Max. # of Modules Per Continuous String | 14AWG/2.08 mm ² supply wire Max. # of Modules Per Continuous String | 12AWG/3.31 mm ² supply wire Max. # of Modules Per Continuous String |
| Maximum Supply Wire Limits | 18W | 10Pcs (2m) | / | / | / |
| | 35W | 20Pcs (4m) | / | / | / |
| | 60W | 30Pcs (6m) | / | / | / |
| | 75W | 30Pcs (6m) | 40Pcs (8m) | / | / |
| | 100W | 30Pcs (6m) | 40Pcs (8m) | 50Pcs (10m) | 60Pcs (12m) |
| | 150W | 30Pcs (6m) | 40Pcs (8m) | 50Pcs (10m) | 60Pcs (12m) |
| | 200W | 30Pcs (6m) | 40Pcs (8m) | 50Pcs (10m) | 60Pcs (12m) |
| | 240W | 30Pcs (6m) | 40Pcs (8m) | 50Pcs (10m) | 60Pcs (12m) |
| | 300W | 30Pcs (6m) | 40Pcs (8m) | 50Pcs (10m) | 60Pcs (12m) |

Note 1. The number of modules in each of the parallel strings should not exceed the specified maximum.

2. *3 – 300 Watt Channels

DIMENSIONS

