

UPLUMIN LIGHTING

LED String Light Specification Sheet

Bulb, cable, spacing, colour and ingress data for the garland, curtain, icicle, net and addressable pixel string light ranges.



String Light

Bulb	Epistar LED bulb
Wire	PVC or rubber cable, 0.5 mm2 pure copper core
Bulb Spacing	5 cm to 50 cm to requirement
Bulb Colour	Red, green, yellow, blue, white, warm white, pink, purple, multi colour, RGB

Wire Colour	Clear, white, green, dark green, blue, pink, black, yellow, purple
Ingress Protection	IP65, glued joints with a rubber ring on the connectors
Max Run	200 m from one power cord
Options	With or without controller, with or without end plug
Standards	Built to CE, RoHS and REACH requirements

Features

- Bullet cap with a gluing technique for a bigger, brighter light spot
- Welding, gluing and casing done by full-automation machine for a consistent finish
- Extendable — one power cord carries up to 200 m
- Cold-resistant flexible copper core, so the cable still bends in winter
- IP65 joints, glued and sealed with a rubber ring at each connector
- 3000 sets a day of output, so peak-season volume is covered

Quality control

- Automated weld and glue inspection on the line
- Connector waterproof test
- Continuity and brightness check over the full run length
- Ageing test under current before packing

Production sequence

1. Copper core cable cut to the ordered length
2. LED bulbs welded on at the agreed spacing by automatic machine
3. Bullet caps glued and cased
4. Connectors fitted with rubber rings and sealed to IP65
5. Controller and end plug fitted if ordered
6. Ageing test, coil, label and carton

Smart And Dmx Light

Pixel	Each LED is an addressable pixel
Control	DMX512 protocol, SD card controller, TTL controller or computer
Modes	Monochrome steady, synchronous RGB change, external RGB full colour, DMX512
Output	Text, pattern and video on the pixel grid
Voltage	Low voltage supply
Ingress Protection	IP65
Application	Bar, KTV and entertainment venues, stage and evening parties

Features

- Every LED is its own pixel, so patterns stay sharp at distance
- SD card controller for offline playback without a laptop on site
- Connects to a computer or TTL controller for live control
- International standard DMX512 so it drops into an existing rig
- Runs online and synchronised, or standalone offline
- IP65, which is unusual for a pixel product and makes outdoor use practical

Quality control

- Pixel address mapping test across the full grid
- DMX512 protocol conformance check
- IP65 waterproof test
- Video playback test

Production sequence

1. Pixel string assembled and addressed
2. Grid or curtain harness built to the ordered pitch
3. Controller programmed and content loaded
4. Waterproof sealing at each node
5. Full grid playback test

Ordering

Standard lead time	7-9 days
Custom lead time	20-30 days after sample approval
MOQ	Low MOQ on project customisation; no minimum on decoration material
Private label	OEM and ODM, your brand on product and packaging
Samples	Sample orders welcome before a bulk order
Contact	sally@uplumin.com +86 139 2308 7067