LARGE GLOBE SERIES · SKU LG-RGBW

MaxiRGBW / Large Globe

Fully DMX-controllable RGBW festoon globe — individually addressable color and white over a single 2-core MaxiLINK cable. 48 VDC, IP68, IK07. The flagship for dynamic architectural, streetscape and feature installations.

- OUTDOOR
- IP68
- IK07
- DMX RGBW
- 48 VDC · 2-CORE
- ANSI C136.31
- 5-YEAR WARRANTY

POWER	WATTAGE	RUN LENGTH	PER SOURCE	IP RATING
48 VDC	2.4 W	100 m/ 328 ft	up to 100	IP68

SPECIFICATIONS · OVERVIEW · KEY FEATURES

QUICK SPECIFICATIONS

POWER INPUT	48 VDC
WATTAGE	2.4 W
LED CURRENT	100 mA
CONTROL	DMX 512 · MaxiLINK (2-core)
LED	Multi-chip RGBW
RUN LENGTH	100 m / 328 ft
GLOBES PER SOURCE	up to 100
LUMENS · CLEAR	80 lm
LUMENS · FROSTED	25 lm
LENS OPTIONS	Clear · Frosted
GLOBE DIAMETER	64 × 64 mm
WEIGHT	54 g
IP RATING	IP68
IK RATING	IK07
VIBRATION	ANSI C136.31
OPERATING TEMP.	−25°C to +50°C
LISTINGS	UL · cUL · CE
WARRANTY	5 years

OVERVIEW

MaxiRGBW is the most flexible option in the MaxiLED Festoon range — full RGBW color control, programmable scenes and integration with DMX lighting systems. Operating on 48V with data and power combined over a single two-core cable, it supports continuous runs up to **100 m (328 ft)** with up to 100 individually addressable globes per power supply. Rugged injection-molded polycarbonate globes, heavy-gauge wiring and dependable high-power LEDs make it ideal for dynamic architectural lighting, streetscapes and feature installations.

KEY FEATURES

01 Full DMX RGBW control

Each globe is individually addressed for color and white — programmable scenes, fades and integration with any DMX 512 console or MaxiLED controller.

02 MaxiLINK 2-core (Data over Power)

48 VDC power and DMX 512 data carried on the same two-core cable. No separate signal harness, no in-line decoders — a single run from the MaxiLINK to the last globe.

03 100 globes · 100 m continuous run

One power source drives up to 100 individually addressable globes across a 100 m run. Larger installations chain multiple DMX universes, one MaxiLINK + PSU each.

04 Multi-chip LEDs

Dependable RGBW emitters in a UV-stabilised polycarbonate shell — Clear for sparkle or Frosted for a diffused wash.

05 IP68 · IK07 · ANSI C136.31

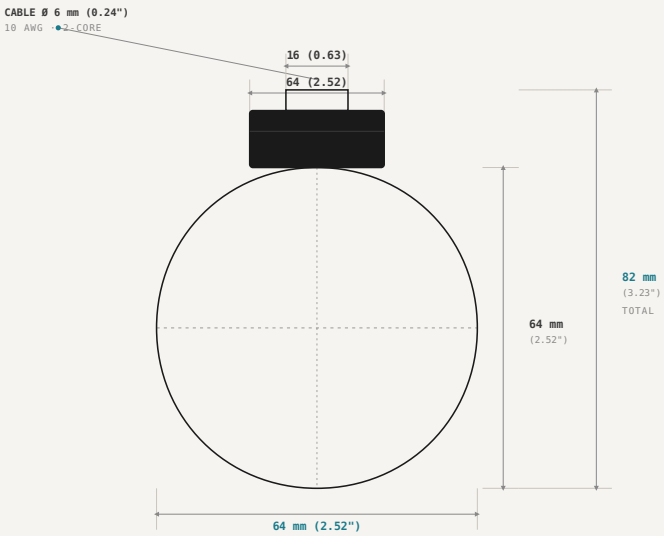
Submersion-rated, impact-resistant, vibration-tested — permanent install in coastal, vehicular and structural environments.

DIMENSIONS · PHYSICAL ENVELOPE

Dimensions and physical envelope.

MAXIRGBW LARGE GLOBE · SCALED DRAWING

MM (INCHES) · NTS



GLOBE Ø	GLOBE HEIGHT	TOTAL HEIGHT	CAP Ø
64 mm (2.52")	64 mm (2.52")	82 mm (3.23")	64 mm (2.52")
CABLE Ø	**CABLE AWG**	**GLOBE WEIGHT**	**CABLE / 1 M**
6 mm (0.24")	10 AWG	54 g (1.79 oz)	71 g CE · 56 g UL

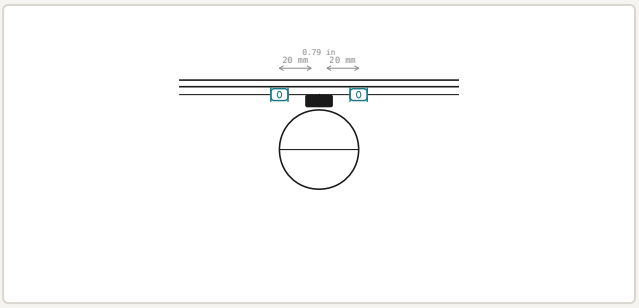
Note. UV-stabilised polycarbonate globe with anodised aluminium cable holder. Standard: Black anodised + Black cable. Options: White cable, RAL custom (MOQ). DMX RGBW (6000K white channel) or RGBWW (3000K white channel) — specify at order.

CERTIFICATIONS

INSTALLATION · CATENARY FIXING

Installation — catenary method.

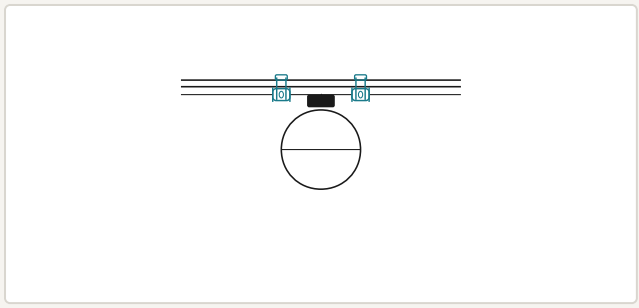
MaxiGLOBE festoon strands hang from a taut catenary support cable. Rubber grommets and UV zip ties fix each globe in position on the strand so it cannot slide or swing — the same method is used for straight runs and for the decorative hoop effect.



01

Place rubber grommets

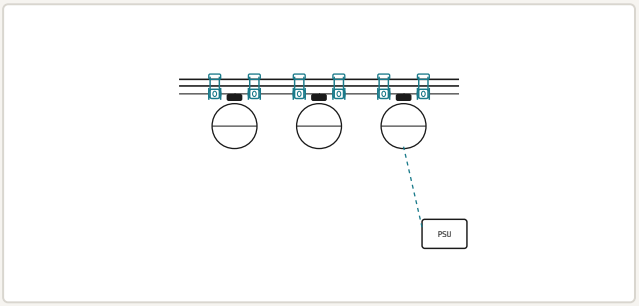
With the catenary cable taut and secure above the MaxiLED strand cable, place a rubber grommet **20 mm (0.79 in) either side of the globe housing**. The two grommets act as stops that **hold the globe in position** so it cannot slide along the cable.



02

Secure with a UV zip tie

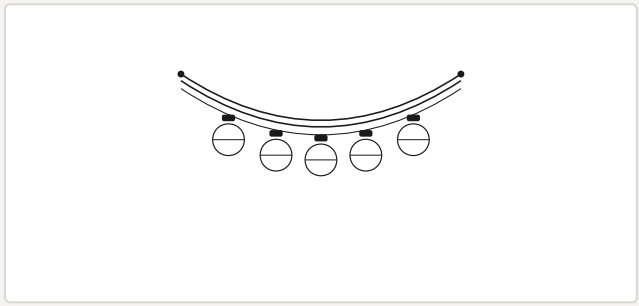
Using a UV-resistant zip tie (4.8 mm width), clamp each grommet up against the catenary cable and trim the excess. This **locks the globe in place so it cannot move**; the grommet stays placed over the MaxiLED cable.



03

Repeat & connect

Repeat Steps 1–2 to fix every globe along the strand until the installation is complete, then connect the strand to the **correct transformer**.



04

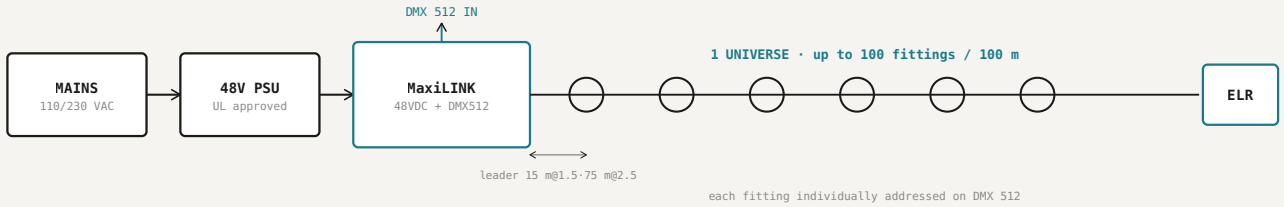
Alternative · hoop effect

For a deeper, more arched catenary, **do not fix the grommets to the support cable** — the strand is left free to drape into a decorative **hoop** between the two anchor points. Keep voltage drop below 5% across the strand.

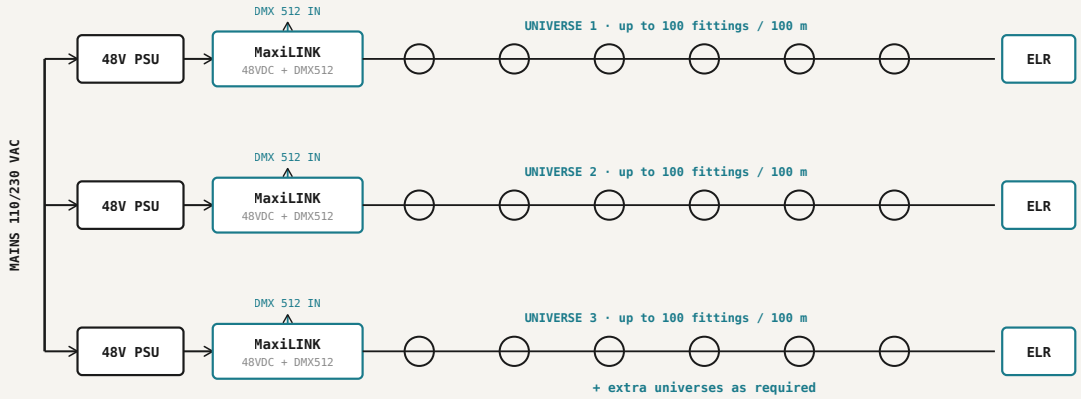
WIRING · DATA OVER POWER · DMX UNIVERSES

Wiring — single & multiple universe.

SINGLE DMX UNIVERSE · MAXILINK 48 VDC + DMX 512 · NTS



MULTIPLE DMX UNIVERSES · ONE MAXILINK + PSU PER UNIVERSE · NTS



MaxiLINK carries **48 VDC + DMX 512 (Data over Power)** on the same 2-core cable. **Leader:** max 15 m on 1.5 mm² · 75 m on 2.5 mm² from the MaxiLINK source to the first globe. **Strand:** up to **100** globes per PSU across a 100 m run first-to-last on 1.5 mm² cable. **Junction boxes** shown between Controller, PSU 48 V UL Approved and MaxiLINK are **required for USA / UL installations** only — ROW installs may connect direct. The **ELR (End-of-Line Resistor)** is mandatory on the last globe of every strand and needs balancing / tuning on commissioning. Each fitting is individually addressed on the DMX 512 line — one universe drives up to **100 fittings** (RGBW fixtures use 4 channels each; dimmable white uses 1). For larger layouts add **one MaxiLINK + 48 V PSU per additional universe**, all fed from a common mains supply.

ORDER CODES · CONFIGURATION

How to order.

MAXILED LARGE GLOBE SERIES · ORDER-CODE BUILDER

8 SEGMENTS · HYPHEN-SEPARATED

01	02	03	04
PRODUCT CODE	LED COLOUR	LENS	CABLE COLOUR
UKSLG CE · **ULSLG** USA	**RGBW** RGBW 6000K **RGBWW** RGBWW 3000K	**CL** Clear · **ML** Matt	**BC** Black · **WC** White

05	06	07	08
MEASUREMENT UNITS	STARTER CABLE	NO. OF GLOBES	GLOBE SPACING
M Metric (m) · **I** Imperial (′ / ″)	length in m / ′ / ″	1 to 100	even spacing in m / ′ / ″

ORDER EXAMPLES

UKSLG-RGBW-CL-BC-M-2-140-0.5
ULSLG-RGBWW-ML-BC-I-6'-50-1'

Note. Order codes follow the MaxiLED Large Globe Series structure; examples are taken from the product manual. For inconsistently-spaced globes or custom RAL cable, confirm the final configuration with the factory.