



— LARGE GLOBE SERIES · SKU LG-LUX

MaxiLUX / Large Globe

DMX-controllable high-output white festoon globe — bright functional light with continuous dimming over a single 2-core MaxiLINK cable. 48 VDC, IP68, IK07.

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



POWER	WATTAGE	RUN LENGTH	PER SOURCE	IP RATING
48 VDC	2.35 W	100 m/ 328 ft	up to 100	IP68

SPECIFICATIONS · OVERVIEW · KEY FEATURES

QUICK SPECIFICATIONS

POWER INPUT	48 VDC
WATTAGE	2.35 W
LED CURRENT	100 mA
RUN LENGTH	100 m / 328 ft
GLOBES PER SOURCE	up to 100
LUMENS · CLEAR	130 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.	−40°C to +50°C
LISTINGS	UL · UKCA · CE
WARRANTY	5 years

OVERVIEW

MaxiLUX is designed for applications that need bright white light that also serves as functional illumination. Running on 48V for consistent output across long distances, it supports continuous runs up to **100 m (328 ft)** with up to 100 globes per power supply and delivers the highest white light output in the range. Well suited to walkways, streets, parks, bridges, and public spaces where light levels matter as much as visual appearance.

KEY FEATURES

- 01

High-output white LED engine
130 lm per clear globe — the brightest static white output in the MaxiLED Festoon range.
- 02

DMX dimming over MaxiLINK
Smooth 0–100% dimming on a single 2-core cable. No separate signal bus, no decoders downstream.
- 03

100 globes · 100 m continuous run
One power source drives up to 100 globes across a 100 m run via MaxiLINK.
- 04

UV-stabilised polycarbonate
Injection-moulded shell. Clear lens for sparkle or Frosted for diffused glow.
- 05

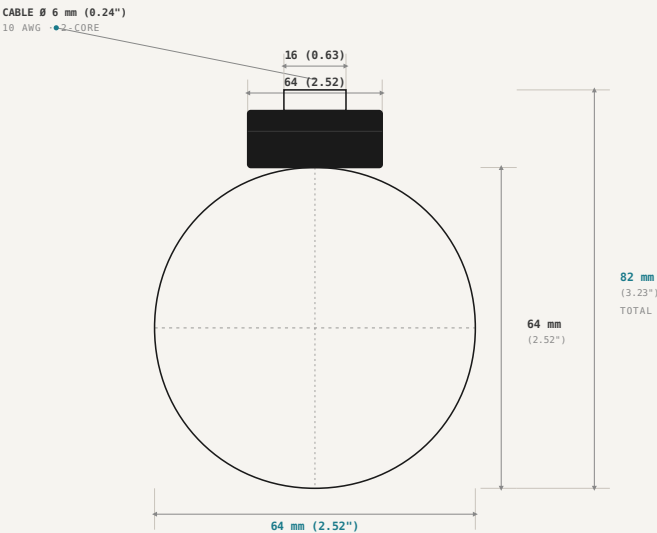
IP68 · IK07 · ANSI C136.31
Submersion-rated, impact-resistant, vibration-tested — permanent install in coastal contexts.

DIMENSIONS · PHYSICAL ENVELOPE

Dimensions and physical envelope.

MAXILUX 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: Silver + White cable, RAL custom (MOQ).

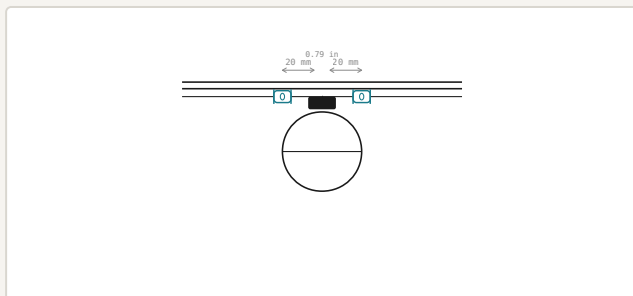
CERTIFICATIONS



INSTALLATION · CATENARY FIXING

Installation — catenary method.

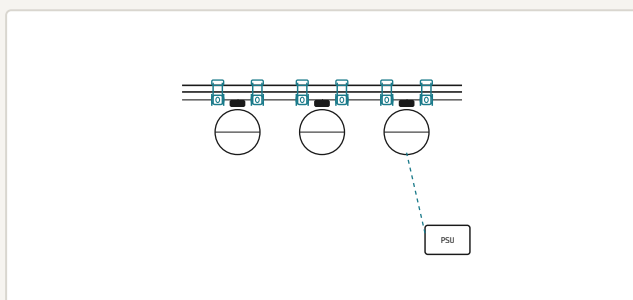
MaxiGLOBE festoon strands hang from a taut catenary support cable. Rubber grommets and UV zip ties fix each globe in position on the strand so it cannot slide or swing — the same method is used for straight runs and for the decorative hoop effect.



01

Place rubber grommets

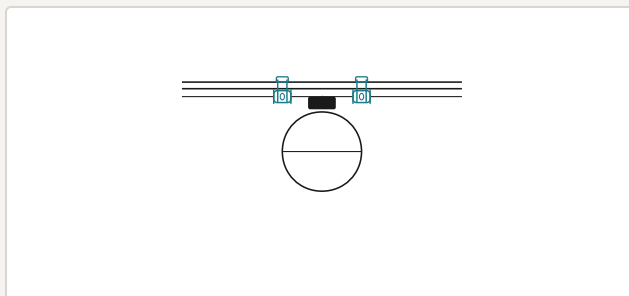
With the catenary cable taut and secure above the MaxiLED strand cable, place a rubber grommet **20 mm (0.79 in)** either side of the globe housing. The two grommets act as stops that **hold the globe in position** so it cannot slide along the cable.



03

Repeat & connect

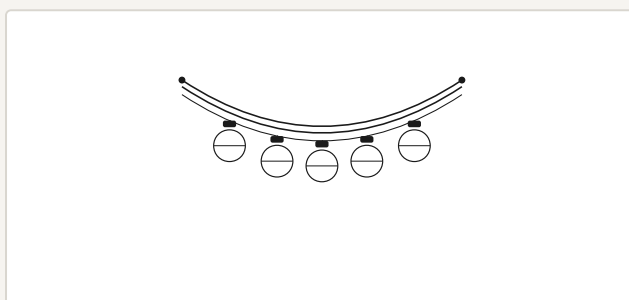
Repeat Steps 1–2 to fix every globe along the strand until the installation is complete, then connect the strand to the **correct transformer**.



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.



04

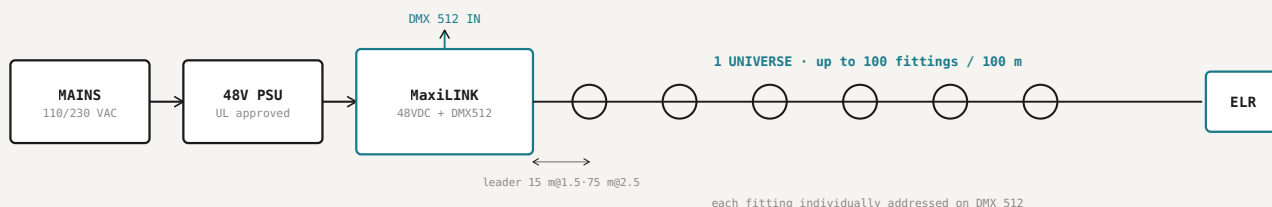
Alternative · hoop effect

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.

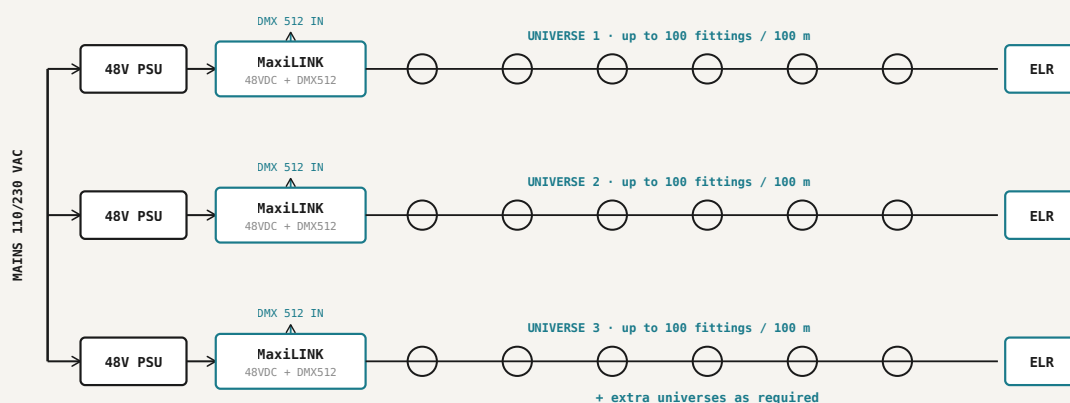
WIRING · DATA OVER POWER · DMX UNIVERSES

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 PRODUCT CODE UKSLG CE · ULSLG USA	02 LED COLOUR RGBW RGBW · Intelligent White RGBWW RGBWW · Intelligent Warm White	03 LENS CL Clear · ML Matt	04 CABLE COLOUR BC Black · WC White
05 MEASUREMENT UNITS M Metric (m) · I Imperial (' / ")	06 STARTER CABLE length in m / ' / "	07 NO. OF GLOBES 1 to 100	08 GLOBE SPACING 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.