



MAXILED PENDANT · 64 MM GLOBE

MaxiLED PENDANT / 64 mm Globe

Compact 63 mm RGBW addressable globe pendant on a hollow support rod. Full DMX 512 control on the patented MaxiLINK 2-core cable — same wiring as a static install. Engineered for hospitality canopies, hotel courtyards and urban terrace lighting where minimal silhouettes matter.

- IP68 GLOBE
- IK07
- 48 VDC
- DMX 512 · MAXILINK
- 5-YEAR WARRANTY



WATTAGE	LUMENS	MAX STRAND	OPERATING TEMP
2.4 W	25 lm	100 units	-25 to +50 °C

SPECIFICATIONS · OVERVIEW · KEY FEATURES

QUICK SPECIFICATIONS

PRODUCT CODE	PDN-064
POWER INPUT	48 VDC MaxiLINK · from 240/110 V transformer
WATTAGE PER UNIT	2.4 W
LED CURRENT	100 mA
LED SOURCE	Multi-chip ® XQE
COLOR SYSTEM	DMX 512 RGBW · addressable
LUMENS (RGBW FROSTED)	25 lm
LUMENS (RGBW CLEAR)	80 lm
LUMEN MAINTENANCE (85%)	70,000 hrs
MAX FIXTURES PER STRAND	100 units
MAX STRAND LENGTH	100 m (328 ft) on 1.5 mm ²
FIXTURE SPACING (TYPICAL)	5 m · custom on order
DROP CABLE LENGTHS	1 m · 1.5 m · 2 m · custom
DROP CABLE	Ø 6 mm (10 AWG heavy-gauge)
LEADER (1.5 MM ²)	15 m (49 ft)
LEADER (2.5 MM ²)	75 m (246 ft)
REFRESH RATE	DMX 44 Hz
IP RATING	IP68 (globe)
IMPACT PROTECTION	IK07
OPERATING TEMP	-25 to +50 °C
THERMAL CUT-OUT	70 °C automatic

OVERVIEW

The MaxiPENDANT 64 mm is a pixel-scale suspended globe designed for catenary strings, canopy grids and track-mounted architectural pendants. A patented 2-wire DMX-over-power architecture (MaxiLINK) makes the DMX install as simple as a static wire run — no signal cable, no repeaters. Compatible with 3-phase EUTRAC track and adaptors (with 1 phase removed), the pendant runs DMX on the back of the 48 VDC through the track and tells each individual light point what to do. Drivers and controllers can be housed up to 75 m from the fittings.

KEY FEATURES

- 01

63 mm globe · contemporary minimal
Compact 63 mm frosted or clear globe head suspended from a black hollow rod. The minimal silhouette designers default to for hospitality canopies, hotel courtyards and urban terrace lighting.
- 02

Patented 2-wire DMX-over-power
MaxiLINK runs 48 VDC + DMX 512 on the same two conductors — leader up to 15 m on 1.5 mm² or 75 m on 2.5 mm². Same wiring as a static install.
- 03

Multi-chip ® XQE RGBW
Full-color addressable output from the XQE platform. 25 lm frosted / 80 lm clear per fixture — 70,000 hrs to L85.
- 04

EUTRAC 3-phase track compatible
Mount to standard EUTRAC 3-phase track or adaptor with 1 phase removed. Run DMX on the back of the power through the track — no additional data cable.

GLOBE MATERIAL	UV-stabilised polycarbonate
TRACK COMPATIBLE	EUTRAC 3-phase (1 phase used)
MAXILINK DIAGNOSTICS	Over-current • thermal • polarity • data OK • power OK
CERTIFICATIONS	UL • cUL • CE
INSTALLATION	Qualified electrician required
WARRANTY	5 years

DIMENSIONS • PHYSICAL ENVELOPE

Dimensions and physical envelope.

PDN-064 • SCALED DRAWING

MM (INCHES) • NTS



GLOBE Ø	TOTAL HEIGHT	ADAPTER Ø	WEIGHT
63 mm (2.48")	82 mm (3.23")	26 mm (1.02")	44 g (1.56 oz)

Note. Drawings are not to scale. Confirm mounting cutout and clearance against the physical fixture before finalising fabrication drawings.

CERTIFICATIONS



— INSTALLATION • STEP-BY-STEP

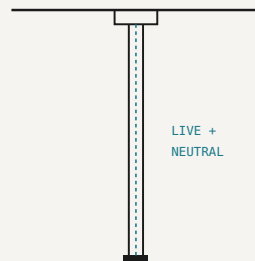
Installation procedure.

PDN-064 • INSTALLATION FIGURES

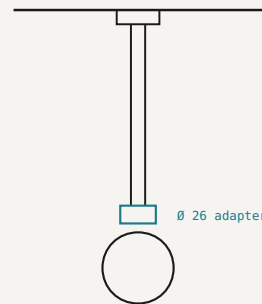
4 STEPS • NTS

**Figure 1**

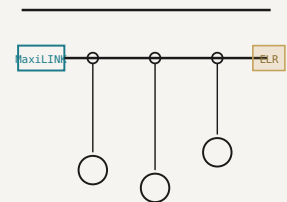
Fix base plate

**Figure 2**

Route cable · insert rod

**Figure 3**

Attach head · secure collar

**Figure 4**

MaxiLINK strand · ELR

01

Fix the base plate. Locate the mounting position on the fixing surface (ceiling, soffit, 3-phase EUTRAC track adaptor, or catenary rail). Secure the base plate with two supplied stainless-steel screws sized to the substrate. Confirm pull-out load for the fixture assembly weight.

02

Insert the hollow support rod. Slide the rod into the base-plate collar and thread the 2-core MaxiLINK cable (48 VDC + DMX 512) inside the rod. Route both LIVE + NEUTRAL conductors from the base junction down through the hollow tube — no exposed conductors, no penetration of the rod wall.

— INSTALLATION • CONTINUED

Installation procedure.

PDN-064 • STEPS CONTINUED

STEPS 03 – 04

03

Attach the globe/lantern head. Fit the Ø 26 mm adapter collar onto the bottom of the rod. Screw the polycarbonate head onto the adapter until the O-ring seals against the collar face. Confirm the head is finger-tight plus a quarter turn — do not over-torque.

04

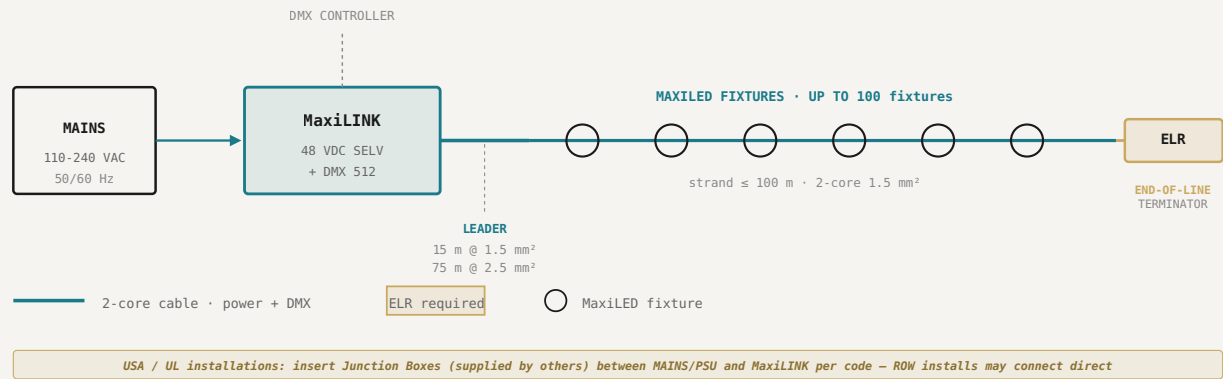
Connect MaxiLINK • terminate with ELR. Connect the 2-core to the MaxiLINK 48 VDC + DMX 512 supply — polarity-independent, DMX 512 addressed automatically. Install an **ELR (End-of-Line Resistor)** on the last fixture of each strand to terminate the DMX bus. **Qualified electrician required.**

Note. Installation must be carried out by a qualified electrician per local electrical and construction codes.

WIRING • MAXILINK • STRAND PLANNING

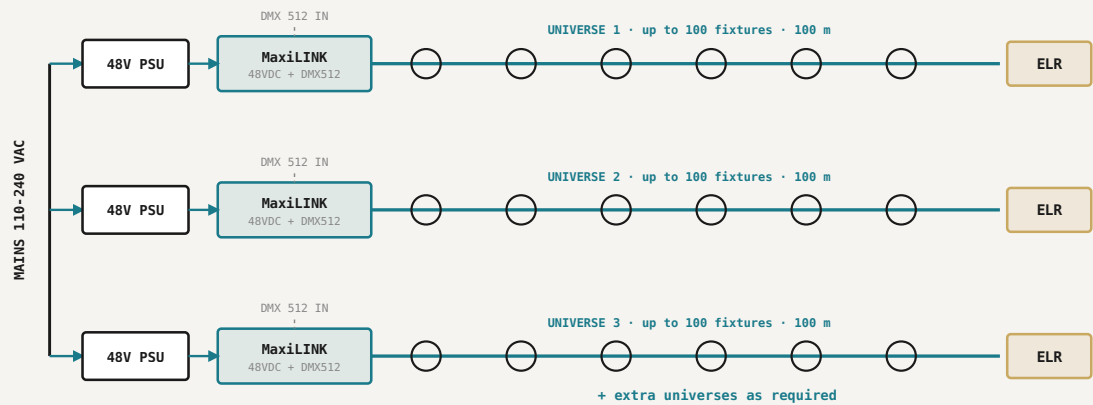
Wiring and strand planning.

PDN-064 • MAXILINK 2-CORE DISTRIBUTION



System architecture. A single 240/110 V → 48 VDC MaxiLINK transformer feeds a 2-core cable that carries both 48 VDC power and DMX 512 signal on the same conductors. Each pendant taps the strand as a controllable pixel. **Leader:** max 15 m on 1.5 mm² · 75 m on 2.5 mm² from MaxiLINK output to the first fixture. **Strand:** up to 100 fixtures per 100 m on 1.5 mm² cable, typical fixture-to-fixture spacing 5 m (customisable on order). Standard drop cables 1 m, 1.5 m or 2 m – custom drops made-to-order. **Junction boxes** between MAINS/PSU and MaxiLINK are **required for USA / UL installations** only – ROW installs may connect direct. **ELR (End-of-Line Resistor)** mandatory on the last fixture of every DMX strand – without it the strand shows data disruption. The MaxiLINK box provides diagnostics for over-current, thermal, polarity-reversed, data-healthy and power-healthy conditions. **Qualified electrician required** – install per local electrical and construction codes.

PDN-064 • MULTIPLE DMX UNIVERSES • ONE MAXILINK + PSU EACH



For layouts beyond a single universe (one universe = up to 100 fixtures), add **one MaxiLINK + 48 V PSU** per additional **universe**, each fed from a common mains supply and terminated with its own **ELR** on the last fixture.

— ORDER CODES • BUILD THE SKU

Order codes — specify by segment.

PDN-064 CONFIGURATOR

LEFT → RIGHT • CONCATENATE WITH HYPHENS

01	02	03	04	05
PRODUCT	LED	CABLE COLOR	MOUNTING	DROP LENGTH
MaxiLED PENDANT 64 PDN-064	DMX RGBW Frosted RGBW-F DMX RGBW Clear RGBW-C	Black (standard) BLK White (min. order) WHT RAL (min. order) RAL	Track adaptor TRK Base plate + hollow rod ROD Catenary CAT	1 m 1000 1.5 m 1500 2 m 2000 Custom CUS

ORDER-CODE EXAMPLES

EX 1 PDN-064-RGBW-F-BLK-TRK-1000

MaxiPENDANT 64, frosted RGBW, black cable, track adaptor, 1 m drop

EX 2 PDN-064-RGBW-C-BLK-ROD-1500

MaxiPENDANT 64, clear RGBW, black cable, base plate + hollow rod, 1.5 m drop

Note. Cable drop lengths and fixture-to-fixture spacings are made-to-order (factory-fitted). Provide the required drop length and strand spacing on order confirmation. ELR required on the last fixture of each DMX strand. Custom colours (RAL) available on minimum-order quantities.