MAXILED LANTERN · RGBW · RGBWW

Installation *Guide*

Step-by-step installation and MaxiLINK wiring for the MaxiLED LANTERN. This product must be installed by a qualified electrician in accordance with all national and local electrical and construction codes.

LTN-RGBW · INSTALLATION FIGURES

4 STEPS · NTS

Figure 1
Fix base plate

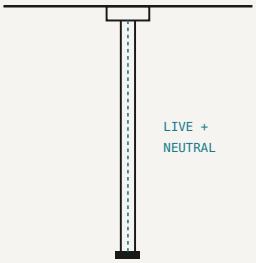


Figure 2
Route cable · insert rod

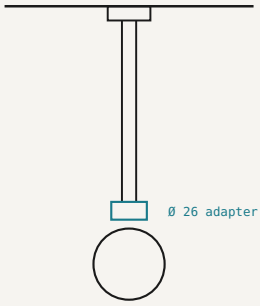


Figure 3
Attach head · secure collar

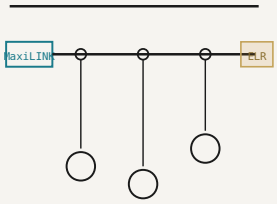


Figure 4
MaxiLINK strand · ELR

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.

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.

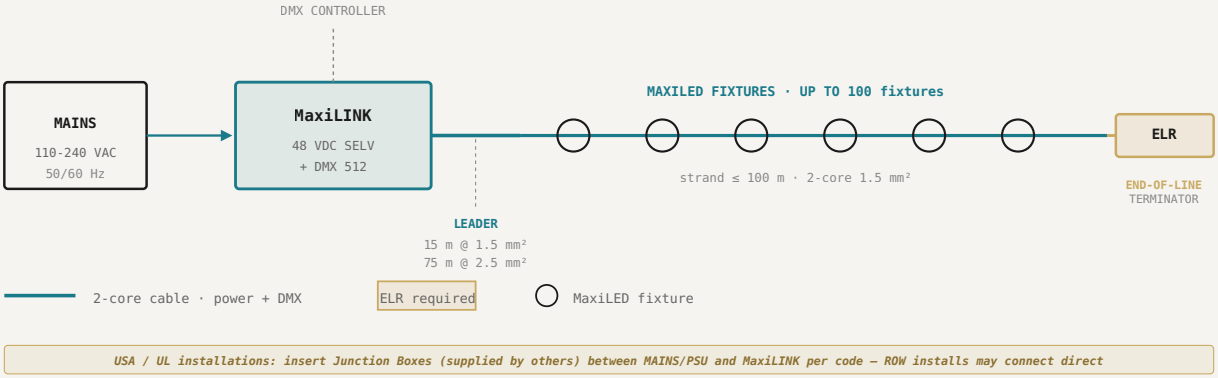
04 **Connect MaxiLINK · terminate with ELR.** Connect the 2-core to the MaxiLINK 48 VDC + DMX 512 supply — polarity-independent, DMX 512 addressed automatically. Install an **ELR (End-of-Line Resistor)** on the last fixture of each strand to terminate the DMX bus. **Qualified electrician required.**

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

WIRING · MAXILINK · STRAND PLANNING

Wiring and strand planning.

LTN-RGBW · 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 lantern 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.