

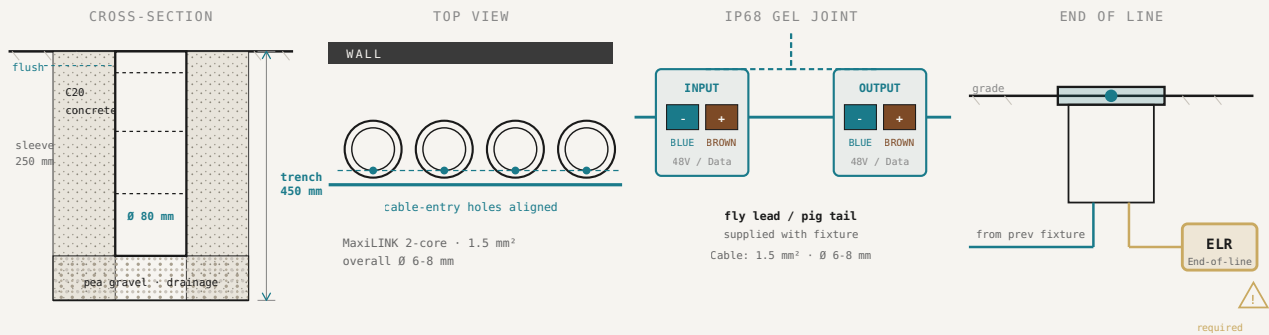
MAXILED DEPTH 102 • IN-GROUND UPLIGHT

Installation Guide

Step-by-step installation and MaxiLINK wiring for the MaxiLED DEPTH 102. This product must be installed by a qualified electrician in accordance with all national and local electrical and construction codes.

DPT-102 • INSTALLATION FIGURES

4 STEPS • NTS

**Figure 1**

Groundwork • sleeve flush
 C20 concrete + pea gravel
30-min drainage test

Figure 2

Sleeve orientation
 Holes aligned to wall
uniform after final install

Figure 3

IP68 gel connectors
 BLUE - • BROWN +
submersible joint required

Figure 4

Final fitting
 ELR on last unit
terminates DMX bus

01

Prepare ground work. Excavate a trench **minimum 450 mm deep**. Fill the lower half with **pea gravel** for drainage. Trench and sleeve dimensions per the 250 mm installation cross-section (revert to 150 mm sleeve for shallower footprint). Position the recessed sleeve (Ø 80 mm × 150 or 250 mm) so its top edge is flush with the finished grade, then pour C20 concrete around it. Before proceeding, perform a **30-minute drainage test** — fill the sleeve with water equivalent to its volume; if it does not fully drain within 30 minutes, add a further drainage solution before continuing.

02

Sleeve orientation. Ensure the sleeve cable-entry holes are all **aligned to the wall** or building line so the finished fixtures read uniformly after installation. Route the 2-core MaxiLINK cable up through the sleeve grommet — cable specification: **1.5 mm² conductors, overall Ø 6-8 mm**. Do not seal the sleeve to the fixture — the fixture must remain removable for service.

03

Make connections using IP68 gel connectors. The MaxiDEPTH 102 is supplied from the factory with a **fly lead / pig tail** pre-terminated. Splice input and output cables to the fixture pig-tail using **IP68 submersible gel connectors** (supplied by others, inline with local authority regulations). Observe polarity: **BLUE – / BROWN +**. Follow the gel-connector instruction sheet for terminal-block wiring and gel-cover locking.

04

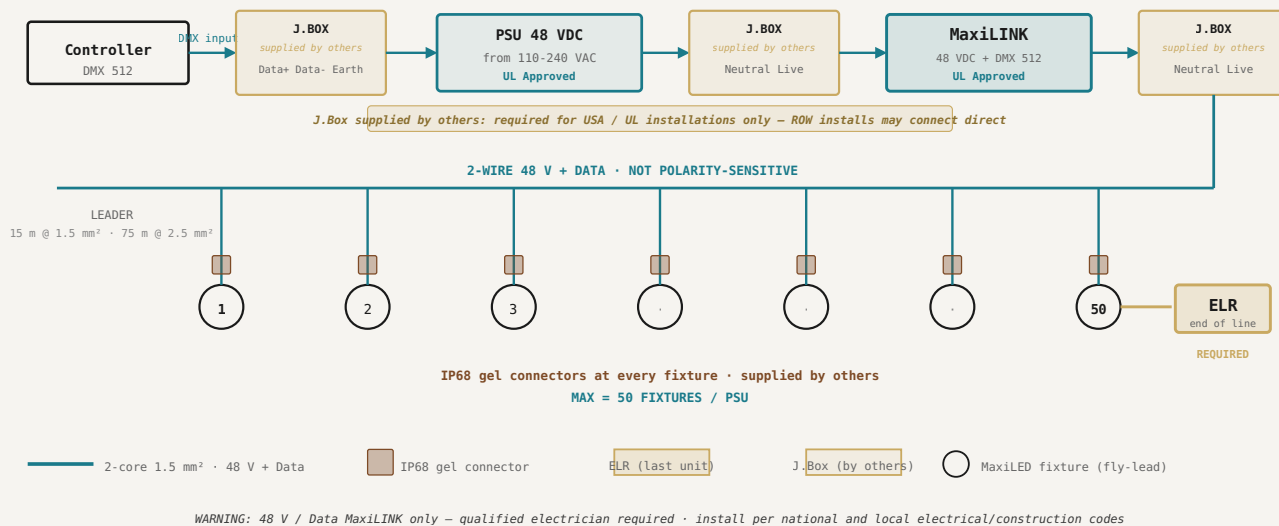
Final fitting • terminate with ELR. Drop the fixture into the sleeve so the flange seats flush on grade. On the **last** fixture of each MaxiLINK strand (max 50 per PSU), wire the End-of-Line Resistor (**ELR**, supplied separately) to the 48 V / Data output — without the ELR the lamps show data disruption. **Qualified electrician required** — install per national and local electrical / construction codes.

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

WIRING • MAXILINK • STRAND PLANNING

Wiring and strand planning.

DPT-102 • MAXILINK 2-CORE DISTRIBUTION



System architecture per manual. DMX Controller feeds the first junction box (supplied by others) with Data+ / Data- / Earth. A **48 VDC PSU (UL Approved)** feeds the second junction box (Neutral / Live) into the **MaxiLINK UL Approved** distribution unit, which delivers 2-wire 48 V + DMX 512 (data not polarity-sensitive) out through a third junction box to the fixture strand. **Junction boxes are required for USA / UL installations only** – ROW installs may connect direct. **Leader:** max 15 m on 1.5 mm² • 75 m on 2.5 mm² from MaxiLINK to the first fixture. **Strand:** up to **50 fixtures** per PSU on 1.5 mm² cable (max run 100 m first-to-last). Each MaxiDEPTH 102 ships with a factory **fly lead / pig tail**; connect input and output cables using **IP68 gel connection boxes** (supplied by others) with polarity **BLUE - / BROWN +**. **ELR (End-of-Line Resistor)** mandatory on the last fixture – without it the strand shows data disruption. **Qualified electrician required** – 48 V / Data MaxiLINK only, install per national and local electrical/construction codes.