

— WIRING · SINGLE DMX UNIVERSE

MaxiLINK — Data-over-Power *Single DMX Universe.*

One controller feeds one MaxiLINK gateway on a two-core cable. Full DMX 512 modulated on the 48 VDC power pair, individually addressable per fixture. Terminate with an End-of-Line Resistor.

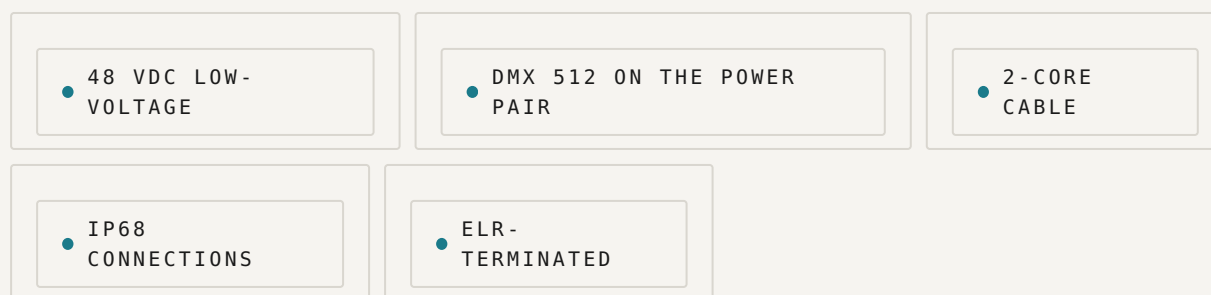
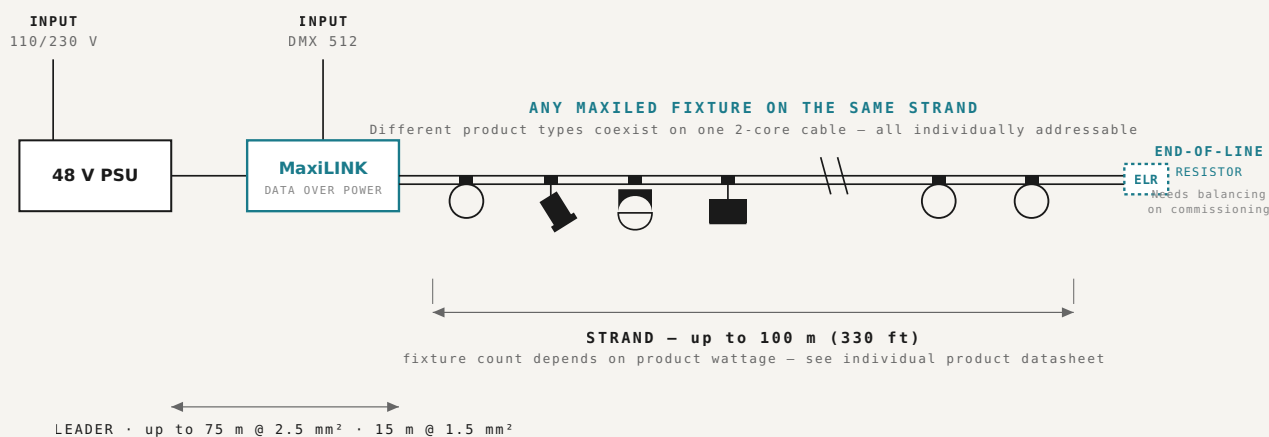


FIGURE 01 · SINGLE-STRAND TOPOLOGY

NTS · NOT TO SCALE



- Each fixture is **individually addressed and controlled** via DMX 512
- Each RGBW fixture uses **4 DMX 512 channels**
- One DMX universe = 512 channels · up to 128 addresses per strand
- Any MaxiLED DMX fixture — Globe (standard / MaxiBATCAP / Small), Accent, Punch — runs on the **same 2-core MaxiLINK cable**; different product types can share the same strand

- Maximum fixtures per strand depends on the specified product — refer to each individual product datasheet
- Each strand must be terminated with an End-of-Line Resistor (ELR)
- Total leader length $< 75 \text{ m @ } 2.5 \text{ mm}^2 \cdot < 15 \text{ m @ } 1.5 \text{ mm}^2$



Install by a qualified electrician in accordance with all national and local electrical codes. Voltage drop must remain $< 5 \%$ across the strand. Suitable for wet locations. All in-line joints IP68 sealed.