



— MAXILED DEPTH 102 · IN-GROUND UPLIGHT

MaxiLED DEPTH 102 / In-Ground Uplight

Compact recessed uplight for pathway edges, feature-planting and architectural in-grade accents. IP68 factory-sealed optical chamber, IK10 glass lens, drive-over capable to 5000 kg (optional). Full DMX 512 addressable via patented 2-wire MaxiLINK — same wiring as a static install.

- IP68
- IK10 OPTIONAL
- 48 VDC
- DMX 512 · MAXILINK
- DRIVE-OVER



WATTAGE	LUMENS (IW)	BEAM ANGLES	MAX STRAND	OPERATING TEMP
4.8 W	250 lm	15° · 25° · 40° · 170° (no optic)	50 units (1.5 mm ²)	-25 to +50 °C

SPECIFICATIONS • OVERVIEW • KEY FEATURES

QUICK SPECIFICATIONS

PRODUCT CODE	DPT-102
POWER INPUT	48 VDC MaxiLINK • from 240/110 V transformer
WATTAGE PER UNIT	4.8 W
LED CURRENT	200 mA
LED SOURCE	Multi-chip ® XQE
COLOR SYSTEM	DMX 512 RGBW / RGBWW / Intelligent White (2700K–6000K)
BEAM ANGLES	15° • 25° • 40° • 170° (no optic)
LUMENS (RGBW CLEAR, FULL ON)	150 lm
LUMENS (INTELLIGENT WHITE)	250 lm
LUMEN MAINTENANCE (85%)	90,000 hrs
MAX FIXTURES PER STRAND	50 units (1.5 mm ²)
MAX STRAND LENGTH	100 m (328 ft)
LEADER (14 AWG • 1.5 mm ²)	15 m
LEADER (10 AWG • 2.5 mm ²)	75 m
REFRESH RATE	DMX 44 Hz
IP RATING	IP68 (1 m temporary)
IMPACT PROTECTION	Pedestrian traffic • IK10 drive-over (5000 kg) optional
OPERATING TEMP	-25 to +50 °C
THERMAL CUT-OUT	70 °C automatic
RECESSED SLEEVE	150 mm or 250 mm depth

OVERVIEW

The MaxiDEPTH 102 is our small-format in-grade uplight — Ø 88 mm outer flange, Ø 60 mm body, 85 mm recessed depth. IK10 tempered-glass lens rated for pedestrian traffic as standard, with an optional drive-over rating of 5000 kg. Manufactured with MaxiSEAL finish (optional) and factory-sealed IP68 optical chamber. Patented 2-wire data-over-power (MaxiLINK) gives full DMX 512 control on the same 2-core cable used for power — making the install as simple as a static wire run.

KEY FEATURES

- 01

Pedestrian traffic • drive-over optional
Standard IK10 tempered-glass lens rated for pedestrian traffic. Order the drive-over variant for 5000 kg vehicular load — driveways, service areas and paved courtyards.
- 02

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

Four beam angles • RGBW or Intelligent White
Interchangeable optics from 15° spot to 170° wide (no optic). Order as DMX RGBW, RGBWW or Intelligent White at time of quote.
- 04

IP68 factory-sealed
Optical chamber sealed at the factory — **do not tamper** with the internal screws. Cast-aluminium body with MaxiSEAL, anodised, stainless steel or RAL powder coat finish options.

FINISH OPTIONS	MaxiSEAL Black / Silver · Anodised · Stainless steel · RAL Powder Coat
CERTIFICATIONS	UL Listed · CE · UKCA
INSTALLATION	Qualified electrician required
WARRANTY	5 years

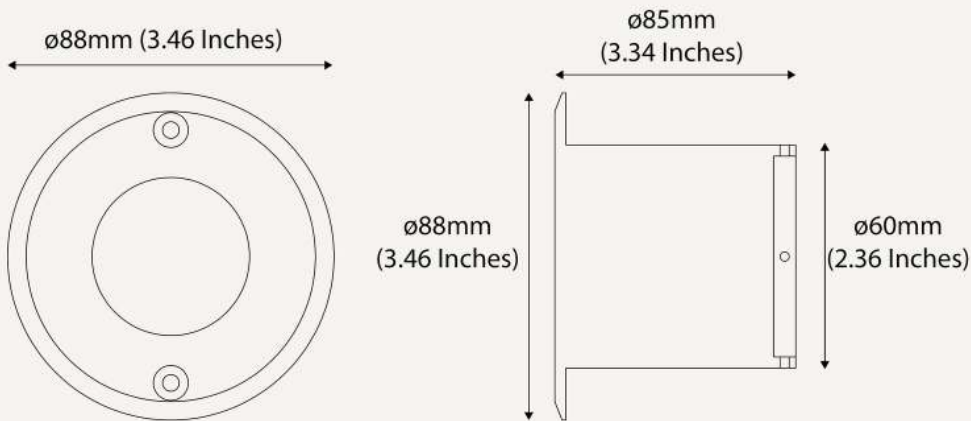
DIMENSIONS • PHYSICAL ENVELOPE

Dimensions and physical envelope.

DPT-102 • SCALED DRAWING

MM (INCHES) • NTS

MM (INCHES)

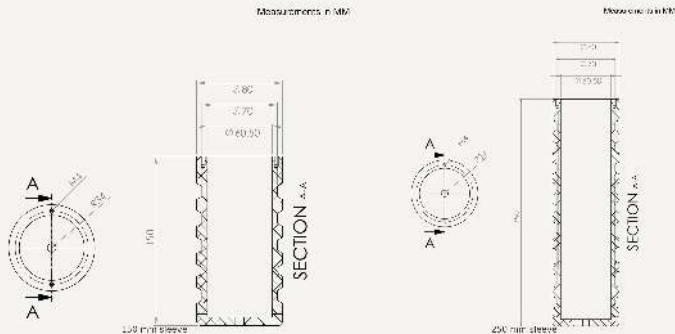


OUTER FLANGE Ø	BODY Ø	DEPTH	WEIGHT
88 mm (3.46")	60 mm (2.36")	85 mm (3.34")	0.4 kg (0.88 lb)

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

ACCESSORIES • RECESSED SLEEVE

CERTIFICATIONS



Injection-moulded polymer • Ø 80 outer • Ø 60.50 inner • M4 fixing bosses



INSTALLATION • STEP-BY-STEP

Installation procedure.

DPT-102 • INSTALLATION FIGURES

4 STEPS • NTS

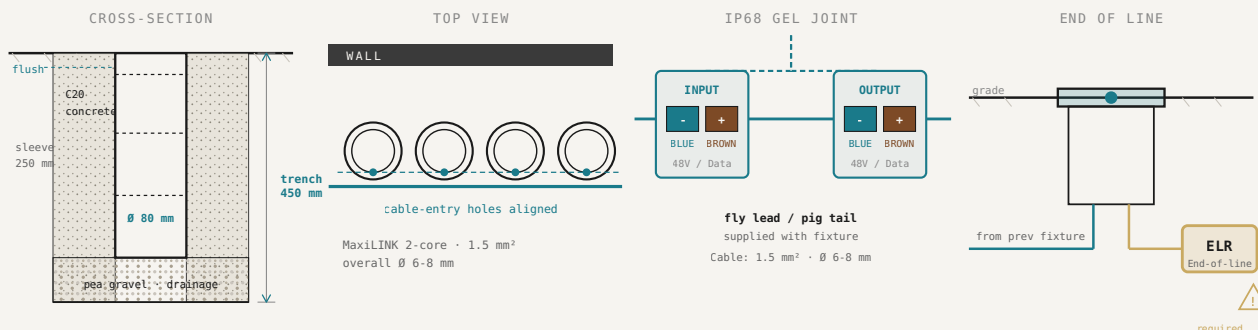


Figure 1

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.

— INSTALLATION • CONTINUED

Installation procedure.

DPT-102 • STEPS CONTINUED

STEPS 03 – 04

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

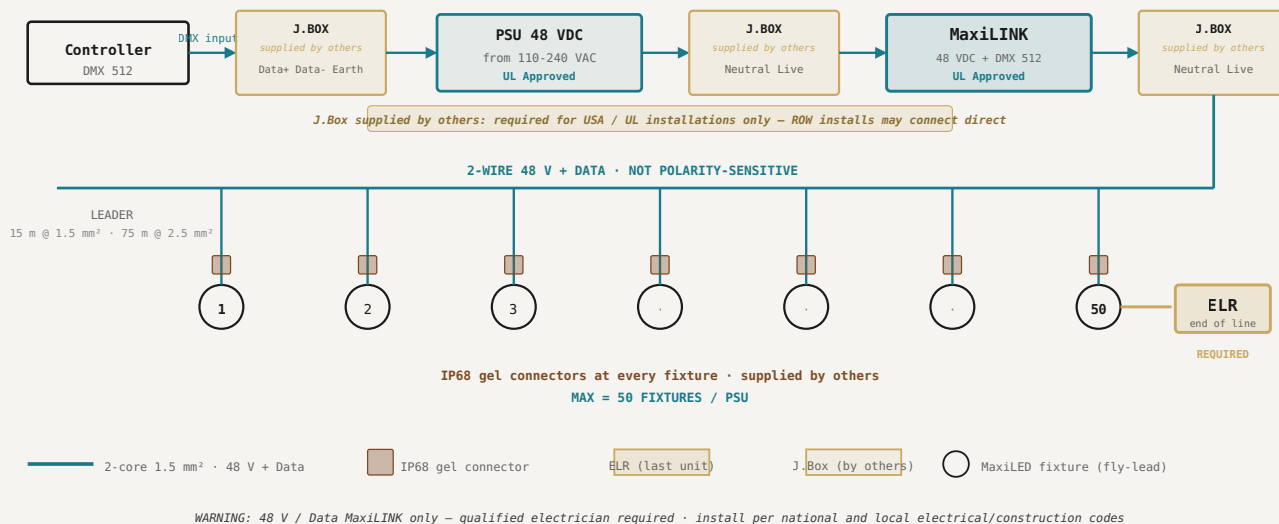
Final fitting • terminate with ELR. Drop the fixture into the sleeve so the flange seats flush on grade. On the **last** fixture of each MaxiLINK strand (max 50 per PSU), wire the End-of-Line Resistor (**ELR**, supplied separately) to the 48 V / Data output — without the ELR the lamps show data disruption.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

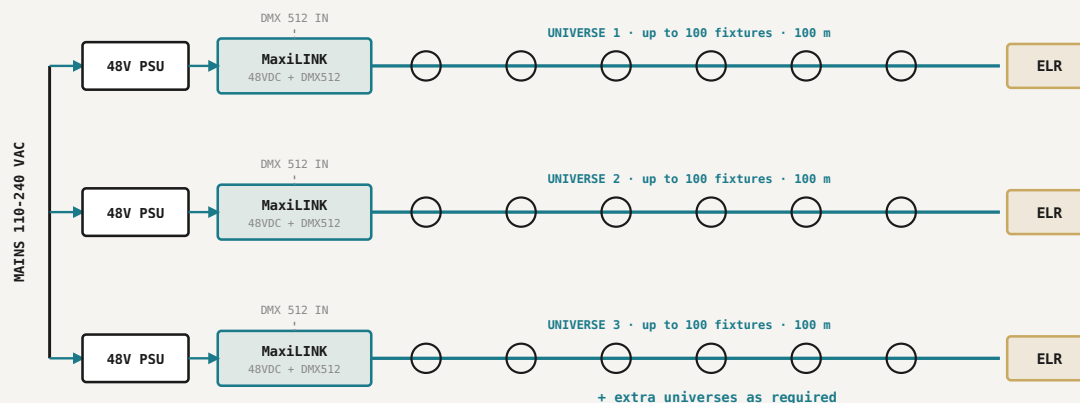
Wiring and strand planning.

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.

DPT-102 • 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.

DPT-102 CONFIGURATOR

LEFT → RIGHT • CONCATENATE WITH HYPHENS

01 PRODUCT	02 LED	03 OPTIC	04 FINISH	05 SLEEVE	06 IMPACT
MaxiLED DEPTH 102 DPT-102	DMX RGBW RGBW RGBWW RGBWW Intelligent White IW	15° Spot 15 25° Narrow 25 40° Flood 40 170° No optic 170	MaxiSEAL Black MSB MaxiSEAL Silver MSS Anodised ANO Stainless SS RAL RAL	150 mm 150 250 mm 250	Pedestrian PED Drive-over 5000 kg DRV

ORDER-CODE EXAMPLES

EX 1 DPT-102-RGBW-25-MSB-150-PED

MaxiDEPTH 102, RGBW, 25° optic, MaxiSEAL Black, 150 mm sleeve, pedestrian

EX 2 DPT-102-IW-40-SS-250-DRV

MaxiDEPTH 102, Intelligent White, 40° optic, stainless steel, 250 mm sleeve, drive-over

Note. Fixture and sleeve are ordered together. RAL powder-coat cable colours available on minimum-order quantities. ELR required on the last fixture of each DMX strand.