



MAXILED DEPTH 302 · LARGE IN-GROUND UPLIGHT

MaxiLED DEPTH 302 / Large In-Ground Uplight

Large-format recessed uplight — Ø 155 mm flange, 14.4 W of power, up to 750 lm in Intelligent White. Built for architectural facade uplighting, feature-tree wash and high-impact landscape projects where each pixel needs to read at long distance. IP68 factory-sealed; DMX 512 addressable via MaxiLINK.

● IP68

● 48 VDC

● DMX 512 ·
MAXILINK

● PEDESTRIAN



WATTAGE

14.4 W

LUMENS (IW)

750 lm

BEAM ANGLES

15° · 25° · 40° ·
170° (no optic)

MAX STRAND

16 units (1.5
mm²)

OPERATING TEMP

-25 to +50 °C

SPECIFICATIONS · OVERVIEW · KEY FEATURES

QUICK SPECIFICATIONS

PRODUCT CODE	DPT-302
POWER INPUT	48 VDC MaxiLINK · from 240/110 V transformer
WATTAGE PER UNIT	14.4 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)	450 lm
LUMENS (INTELLIGENT WHITE)	750 lm
LUMEN MAINTENANCE (85%)	90,000 hrs
MAX FIXTURES PER STRAND	16 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 (drive-over not available on 302)
OPERATING TEMP	-25 to +50 °C
THERMAL CUT-OUT	70 °C automatic
RECESSED SLEEVE	Ø 145 mm × 150 mm dedicated

OVERVIEW

The MaxiDEPTH 302 extends the DEPTH platform to a large-format Ø 155 mm outer flange, Ø 125 mm body and 85 mm recessed depth — three high-power LED pixels in a single sealed housing. 14.4 W per unit delivers 450 lm in RGBW clear glass and up to 750 lm in Intelligent White. Same MaxiLINK 2-wire DMX-over-power backbone as the 102 — mixes freely on the same strand. Standard pedestrian-traffic impact rating (drive-over not available on the 302).

KEY FEATURES

- 01

Three high-power pixels
Ø 155 mm flange houses three high-output pixels in a single sealed body. 450 lm RGBW Clear or 750 lm in Intelligent White — engineered for feature uplighting on facades, columns and mature trees.
- 02

Patented 2-wire DMX-over-power
MaxiLINK runs 48 VDC + DMX 512 on the same 2 conductors. Same wiring as a static install — mixes with DEPTH 102 and MaxiMARKER on the same strand.
- 03

Pedestrian-only rating
Standard IK-rated tempered-glass lens rated for pedestrian traffic. The 302 is **not** available in a drive-over variant — for vehicular areas specify DEPTH 102 Drive-over.
- 04

IP68 factory-sealed
Cast body with factory-sealed optical chamber. MaxiSEAL, anodised, stainless steel or RAL powder-coat finishes.

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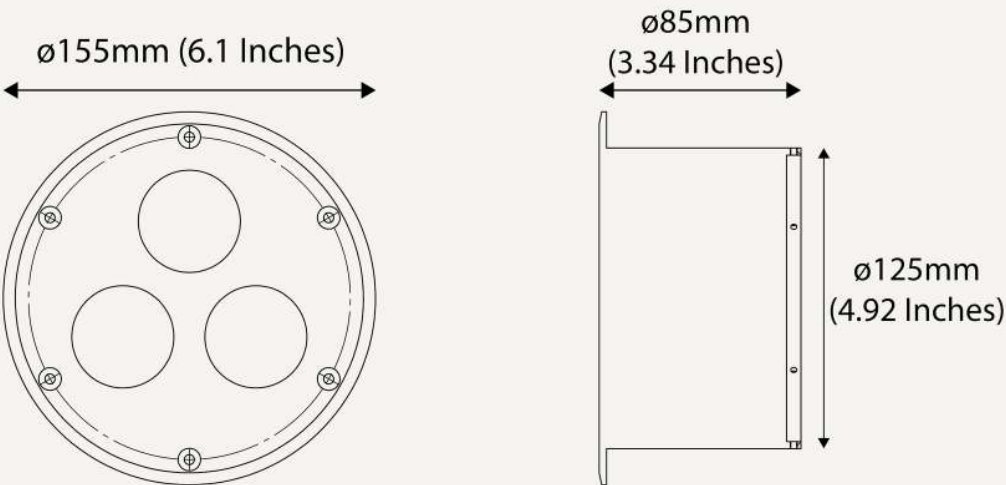
DIMENSIONS · PHYSICAL ENVELOPE

Dimensions and physical envelope.

DPT-302 · SCALED DRAWING

MM (INCHES) · NTS

MM (INCHES)

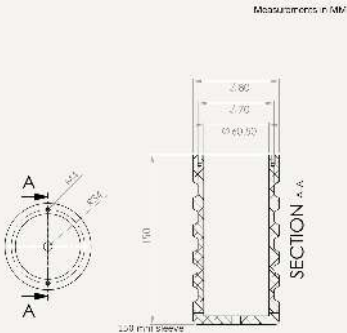


OUTER FLANGE Ø	BODY Ø	DEPTH	WEIGHT
155 mm (6.10")	125 mm (4.92")	85 mm (3.34")	1.0 kg (2.20 lb)

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

ACCESSORY · RECESSED SLEEVE

CERTIFICATIONS



Injection-moulded polymer · Ø 80 outer · Ø 60.50 inner · M4 fixing bosses · 150 mm height



INSTALLATION • STEP-BY-STEP

Installation procedure.

DPT-302 • INSTALLATION FIGURES

4 STEPS • NTS

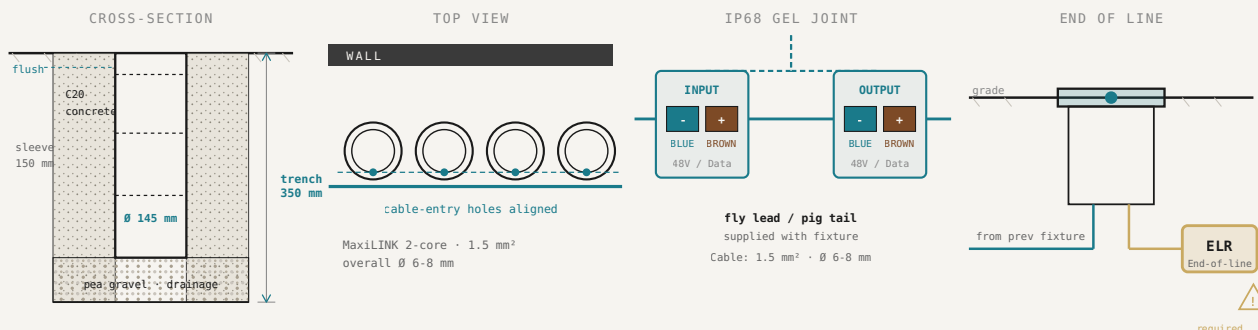


Figure 1

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 350 mm deep**. Fill the lower half with **pea gravel** for drainage. 70 mm pea-gravel bed for soft-ground drainage. Position the recessed sleeve (Ø 145 mm × 150 mm dedicated sleeve) 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-302 • STEPS CONTINUED

STEPS 03 – 04

03

Make connections using IP68 gel connectors. The MaxiDEPTH 302 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

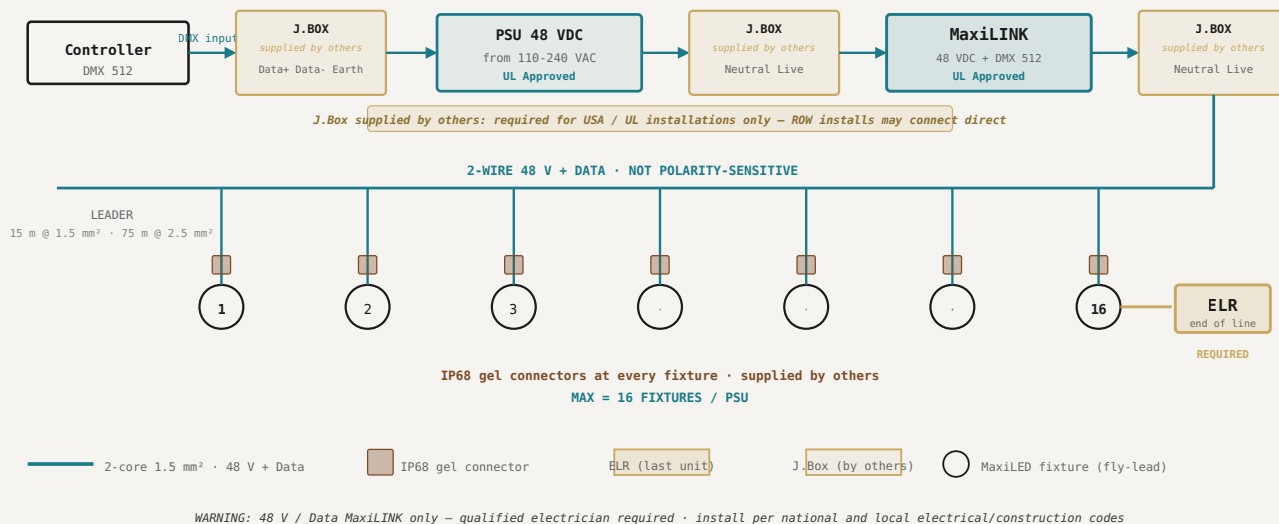
Final fitting • terminate with ELR. Drop the fixture into the sleeve so the flange seats flush on grade. On the **last** fixture of each MaxiLINK strand (max 16 per PSU), wire the End-of-Line Resistor (**ELR**, supplied separately) to the 48 V / Data output — without the ELR the lamps show data disruption. **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

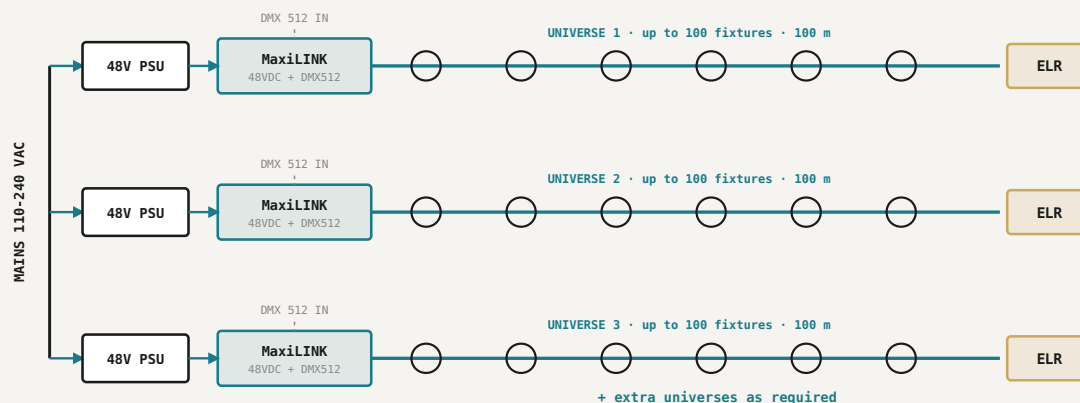
Wiring and strand planning.

DPT-302 · 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:** at 14.4 W per fixture the 302 caps at **16 fixtures** per PSU on 1.5 mm² cable (max run 100 m first-to-last). Each MaxiDEPTH 302 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-302 · 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-302 CONFIGURATOR

LEFT → RIGHT • CONCATENATE WITH HYPHENS

01	02	03	04	05
PRODUCT	LED	OPTIC	FINISH	SLEEVE
MaxiLED DEPTH 302 DPT-302	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

ORDER-CODE EXAMPLES

EX 1 **DPT-302-RGBW-25-MSB-150**

MaxiDEPTH 302, RGBW, 25° optic, MaxiSEAL Black, 150 mm sleeve

EX 2 **DPT-302-IW-40-SS-150**

MaxiDEPTH 302, Intelligent White, 40° optic, stainless steel, 150 mm sleeve

Note. The 302 is available only with 150 mm sleeve and pedestrian-traffic impact rating (no drive-over variant). ELR required on the last fixture of each DMX strand.