



RETROFIT SERIES • DMX RGBW

MaxiLED Retrofit / GU10 • E27 • B22

DMX RGBW retrofit lamps that bridge existing wiring with new colour technology. RGBW multi-chip engine and tunable Intelligent White in a standard GU10, E27 or B22 cap — full DMX 512 control over the patented 2-core Data-over-Power MaxiLINK system, no luminaire rewiring.

- INDOOR / IP54
- DMX RGBW
- INTELLIGENT WHITE
- 48 VAC • DATA-OVER-POWER
- DMX 512 • DIMMABLE
- LED® LED
- 5-YEAR WARRANTY



POWER	LUMENS RGBW	INTELLIGENT WHITE	MAX UNITS	CONTROL
4.7 / 2.35 W	up to 190 lm	up to 300 lm	50 – 100	DMX 512

SPECIFICATIONS • OVERVIEW • KEY FEATURES

SHARED SPECIFICATIONS

CONTROL	DMX 512
POWER INPUT	48 VAC Data-over-Power
DISTRIBUTION	MaxiLINK • 2-core
LED	Multi-chip RGBW
WHITE MODE	Intelligent White 2700–8000 K
HOUSING	Anodised aluminium
OPERATING TEMP.	–25 °C to +50 °C
MAX RUN (1ST–LAST)	100 m
LEADER	15 m @1.5 mm ² • 75 m @2.5 mm ²

OVERVIEW

The MaxiLED Retrofit Series brings DMX RGBW colour and Intelligent White to existing GU10, E27 and B22 housings. Each lamp uses a multi-chip engine and the patented Data-over-Power system: 48 VAC power and DMX 512 data travel on the same 2-core MaxiLINK cable, so an existing luminaire becomes a fully addressable, dimmable colour fixture — driven by any standard DMX 512 controller.

KEY FEATURES

- 01

Retrofit into existing housings
Standard GU10, E27 and B22 caps drop straight into existing fittings — bring DMX RGBW colour and Intelligent White to legacy housings with no rewiring of the luminaire.
- 02

DMX RGBW + Intelligent White
Full DMX 512 saturated colour plus tunable Intelligent White 2700–8000 K from the same multi-chip engine.
- 03

Patented Data-over-Power
48 VAC power and DMX 512 data on the same 2-core cable via MaxiLINK — no separate signal harness, driven by any DMX 512 controller.
- 04

Dimmable • long life
Smooth dimming; L85 lumen maintenance 90,000 h (High Output) up to 132,000 h (Standard).

— VARIANT COMPARISON · GU10 · E27 · B22

Variants at a glance.

SPECIFICATION	MAXILED GU10	MAXILED E27	MAXILED B22
BASE CAP	GU10	E27	B22
OUTPUT	High Output	High Output · Standard	High Output · Standard
POWER	4.7 W	4.7 / 2.35 W	4.7 / 2.35 W
LED CURRENT	200 mA	200 / 100 mA	200 / 100 mA
MAX UNITS / SYSTEM	50	50 / 100	50 / 100
LUMENS · RGBW	190 lm	190 / 100 lm	190 / 100 lm
LUMENS · INT. WHITE	300 lm	300 / 150 lm	300 / 150 lm
LUMEN MAINT. L85	90,000 h	90,000 / 132,000 h	90,000 / 132,000 h
DIMENSIONS L×W×H	76×50×76 mm	90×50×90 mm	90×50×90 mm
BEAM ANGLES	15/25/40/15×30/80°	15/25/40/15×30/180°	15/25/40/15×30/180°
IP RATING	Indoor	IP54	IP54

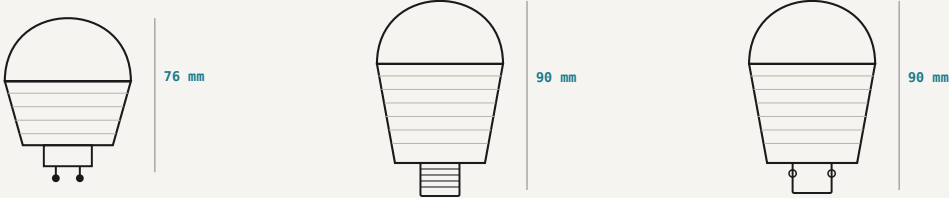
Note. High Output and Standard outputs available on E27 / B22; GU10 is High Output only. All variants share the DMX 512 · Data-over-Power platform, Intelligent White 2700–8000 K and anodised-aluminium housing.

— DIMENSIONS · PHYSICAL ENVELOPE

Dimensions and physical envelope.

MAXILED RETROFIT · SCALED DRAWING

MM · NTS



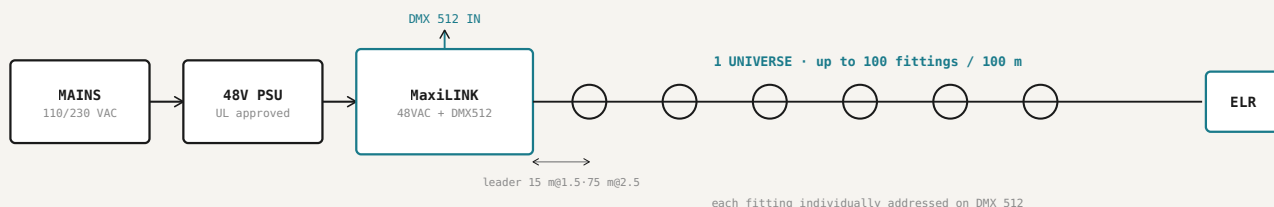
GU10 · 76 MM E27 · 90 MM B22 · 90 MM

GU10	E27	B22	WIDTH
76 mm	90 mm	90 mm	50 mm

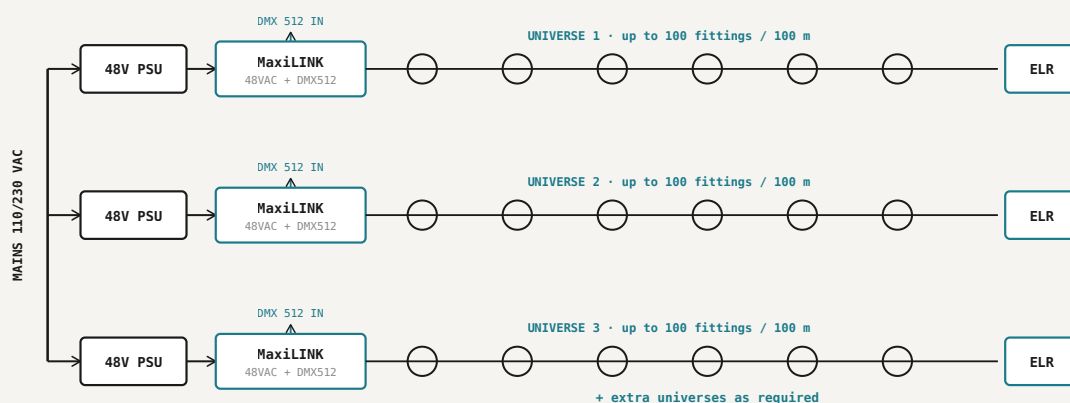
WIRING • DATA OVER POWER • DMX UNIVERSES

Wiring — single & multiple universe.

SINGLE DMX UNIVERSE • MAXILINK 48 VAC + DMX 512 • NTS



MULTIPLE DMX UNIVERSES • ONE MAXILINK + PSU PER UNIVERSE • NTS



MaxiLINK carries **48 VAC + DMX 512 (Data over Power)** on the same 2-core cable. **Leader:** max 15 m on 1.5 mm² • 75 m on 2.5 mm² from the MaxiLINK to the first fitting. **System:** up to **50 units** (High Output) or **100 units** (Standard) per MaxiLINK, 100 m first-to-last. **Junction boxes** shown are **required for USA / UL installations** only — ROW installs may connect direct. The **ELR (End-of-Line Resistor)** is mandatory on the last fitting of every DMX strand. Each fitting is individually addressed on the DMX 512 line; for layouts beyond one universe add **one MaxiLINK + PSU per additional universe**, all fed from a common mains supply.

INSTALLATION • RETROFIT

Installation — drop-in retrofit.

MaxiLED Retrofit • fitting4 STEPS • NTS

1. 01

Power off. Isolate the circuit at the MaxiLINK / power supply before handling any fitting.

2. 02

Fit the lamp. Insert the retrofit lamp into the existing GU10 / E27 / B22 housing exactly as a conventional lamp — twist-lock (GU10 / B22) or screw home (E27). No luminaire rewiring required.

3. 03

Address & connect. The strand runs on the MaxiLINK 2-core (48 VAC + DMX 512). Fit the ELR on the last fitting of each strand.

4. 04

Power on & commission. Restore power and address each fitting on the DMX 512 line. Balance / tune the ELR on commissioning.

Note. Installation by a qualified electrician per national and local electrical and construction codes. 48 VAC / Data MaxiLINK only — never connect to mains.

— ORDER CODES · CONFIGURATION

How to order.

MAXILED RETROFIT · ORDER-CODE BUILDER

3 SEGMENTS · HYPHEN-SEPARATED

01 PRODUCT / BASE GU10 · E27 · B22	02 LED RGBWW RGBW 2700K · RGBCW RGBW 6500K · IW Intelligent White · 2700 · 3500 · 6500 static white	03 OPTIC 15 15° · 25 25° · 40 40° · 80 80° no optic (GU10) · 180 wide (E27 / B22)
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ORDER EXAMPLES

GU10-2700-15
GU10-RGBWW-25
E27-IW-180

Note. Order code structure Product-LED-Optic per the MaxiLED retrofit configurator. High Output / Standard output on E27 & B22 confirmed at order; GU10 is High Output only.