

MAXILED FOCAL FACADE · DMX RGBW

MaxiLED Focal Facade / DMX RGBW

Powerful RGBW accent for facades, building exteriors and architectural features. Compact Ø 75 mm dome, factory-sealed IP68 optical chamber, dependable multi-chip LEDs and full DMX 512 color control over MaxiLINK. The pick for cultural landmarks, commercial buildings and public-space color programs.

● IP68

● IK07

● 48 VDC SELV

● DMX 512

● HIGH-POWER LED

● 5-YEAR
WARRANTY

WATTAGE

2.35 W

LUMENS

80 lm

MAX STRAND

100 units

OPERATING TEMP

-40 to +50 °C

SPECIFICATIONS • OVERVIEW • KEY FEATURES

QUICK SPECIFICATIONS

PRODUCT CODE	FF-RGBW
POWER INPUT	48 VDC SELV
WATTAGE PER UNIT	2.35 W
LED CURRENT	100 mA
LIGHT SOURCE	Multi-chip XQE
COLOR SYSTEM	DMX 512 RGBW
LUMENS (CLEAR)	80 lm
LUMENS (FROSTED)	25 lm
MAX FIXTURES / STRAND	100 units
MAX STRAND LENGTH	100 m (328 ft)
IP RATING	IP68
IMPACT PROTECTION	IK07
OPERATING TEMP	-40 to +50 °C
CERTIFICATIONS	cULus • UKCA • CE
WARRANTY	5 years

OVERVIEW

The MaxiLED Focal Facade RGBW delivers vivid color-changing effects across building facades and architectural features. Compact and durable, ideal for permanent outdoor applications from cultural landmarks to commercial buildings and public spaces. IP68 sealed optical chamber, IK07 impact protection, UV-stable polycarbonate lens.

KEY FEATURES

- 01

Facade color-changing engine
multi-chip RGBW driven by full DMX 512 delivers architectural color, dynamic sequences and static tones on the same fixture — programmable per fixture.
- 02

Pre-made cable harness
Fixings pre-marked to the harness cable so each globe drops straight into its planned position. Install time roughly halved vs. loose-cable assemblies.
- 03

2-core install, native DMX
MaxiLINK runs power + DMX on the same two conductors. No signal cable, no signal amplifier, no protocol translation.
- 04

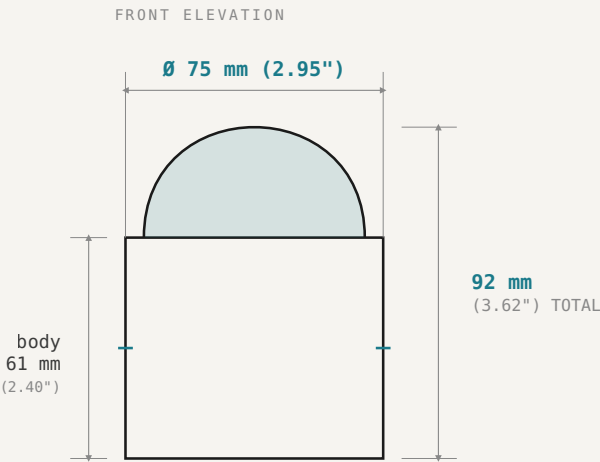
Sealed for the long term
IP68 sealed optical chamber, IK07 impact rating and UV-stable polycarbonate globe survive marine, industrial and civic exteriors.

DIMENSIONS · PHYSICAL ENVELOPE

Dimensions and physical envelope.

FF-RGBW · SCALED DRAWING

MM (INCHES) · NTS



BODY Ø	TOTAL HEIGHT	BODY HEIGHT	WEIGHT
75 mm (2.95")	92 mm (3.62")	61 mm (2.40")	270 g (9.5 oz)

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

CERTIFICATIONS



INSTALLATION • STEP-BY-STEP

Installation procedure.

FF-RGBW • INSTALLATION FIGURES

4 STEPS • NTS

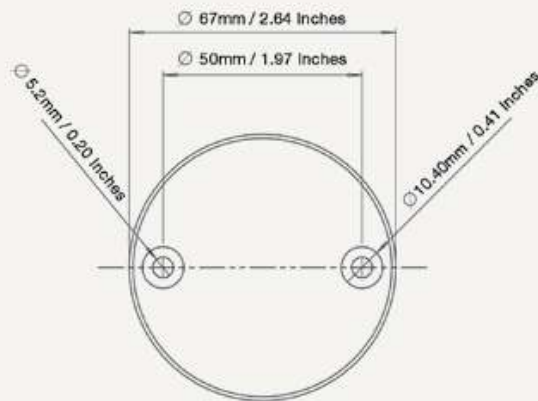


Figure 1

Mount fixing plate

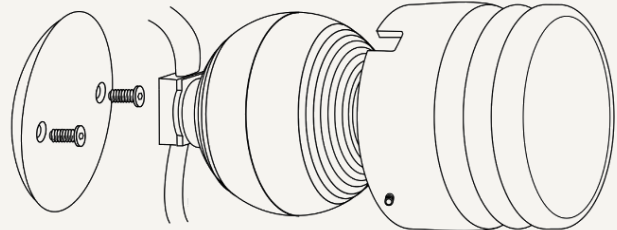


Figure 2

Align cable to slots

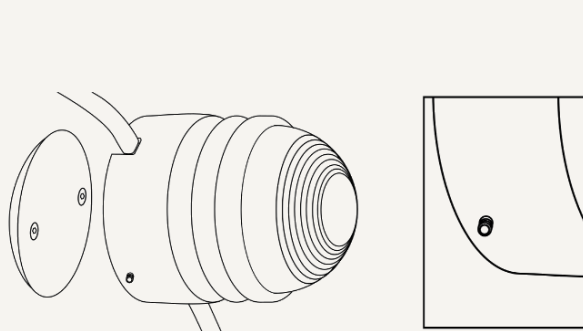


Figure 3

Tighten grub screws

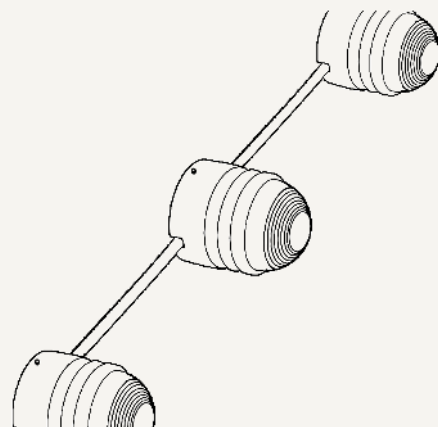


Figure 4

Repeat • connect • ELR

01

Fit the fixing plate. Start installation at the end of the strand where power will input. Measure and mark facade fitting locations, then mount the fixing plate at each position with suitable fixings. Locations **must** correspond with the pre-made cable harness.

02

Align globe cable to housing. Place the globe into the front Facade housing from the rear, aligning the 2-core cable into the **two slots either side** of the housing.

— INSTALLATION • CONTINUED

Installation procedure.

FF-RGBW • STEPS CONTINUED

STEPS 03 – 04

03

Secure to fixing plate. Push the assembled globe + housing up against the mounted fixing plate. Using the supplied **2 mm (0.08 in) hex wrench**, tighten the two grub screws on either side. The housing must sit flush against the surface.

04

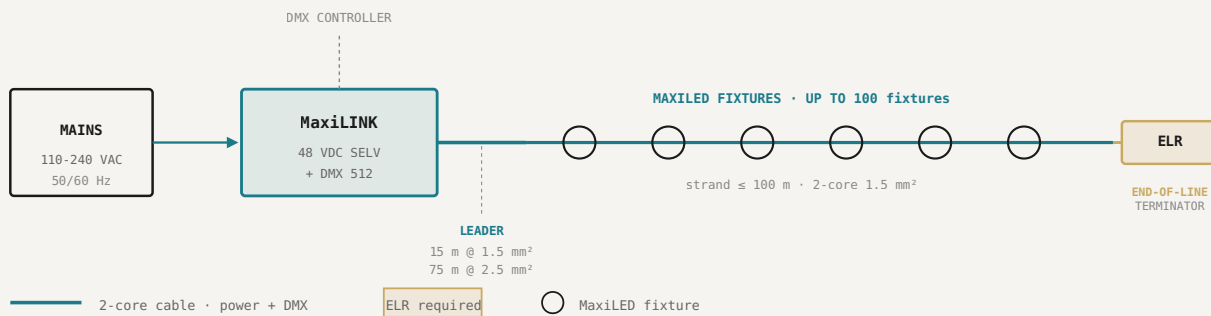
Repeat • connect • terminate. Repeat Steps 1–3 for each fixture. Connect the strand to the MaxiLINK supply. Install the ELR (End-of-Line Resistor) on the last fixture to terminate the DMX bus correctly.

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

WIRING · MAXILINK · STRAND PLANNING

Wiring and strand planning.

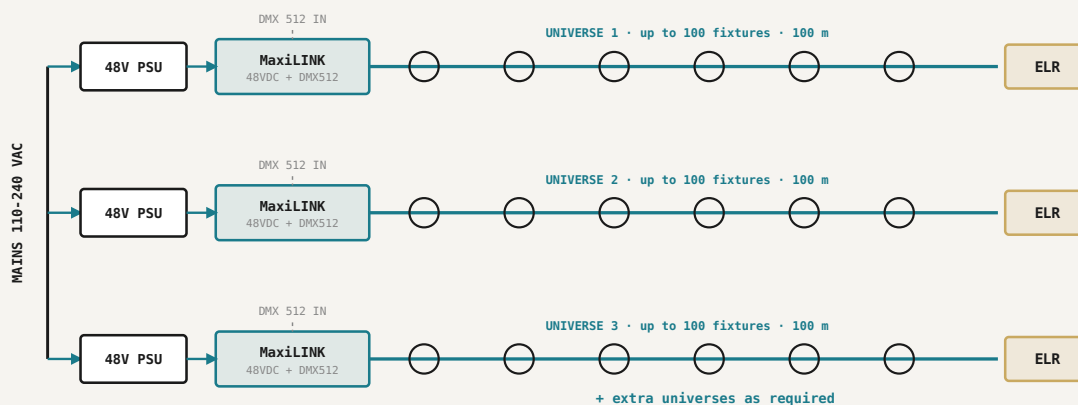
FF-RGBW · MAXILINK 2-CORE DISTRIBUTION



USA / UL installations: insert Junction Boxes (supplied by others) between MAINS/PSU and MaxiLINK per code – ROW installs may connect direct

MaxiLINK carries 48 VDC + DMX 512 on the same 2-core cable. **Leader:** max 15 m on 1.5 mm² · 75 m on 2.5 mm² from MaxiLINK source to first fixture. **Strand:** max **100 fixtures** per PSU on 1.5 mm² cable (max run 100 m first-to-last). **Junction boxes** shown between Controller, PSU 48 V UL Approved and MaxiLINK UL Approved are **required for USA / UL installations only** – ROW installs may connect direct. **ELR (End-of-Line Resistor)** mandatory on the last fixture of every DMX strand.

FF-RGBW · 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.

FF-RGBW CONFIGURATOR

LEFT → RIGHT • CONCATENATE WITH HYPHENS

01

PRODUCT

MaxiLED Focal
Facade **FF**

•

02

LED

DMX RGBW
RGBW

•

03

LENS

Clear **CL**
Frosted **FR**

•

04

FINISH

Black **B**
Silver **S**
RAL **RAL**

•

05

CABLE

MaxiSEAL Black
MSB
Silver **MSS**

ORDER-CODE EXAMPLES

- EX 1

FF-RGBW-CL-B-MSB

Focal Facade RGBW, Clear lens, Black anodized, MaxiSEAL Black cable
- EX 2

FF-RGBW-FR-S-MSS

Focal Facade RGBW, Frosted lens, Silver anodized, MaxiSEAL Silver cable

Note. Cable harness spacings are made-to-order (any spacing, factory-fitted). Provide desired center-to-center spacing on order confirmation. ELR required for each strand terminus.