

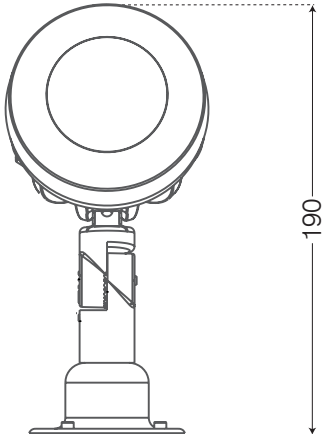
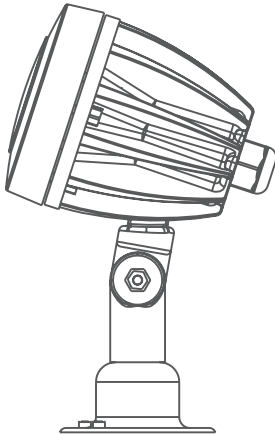
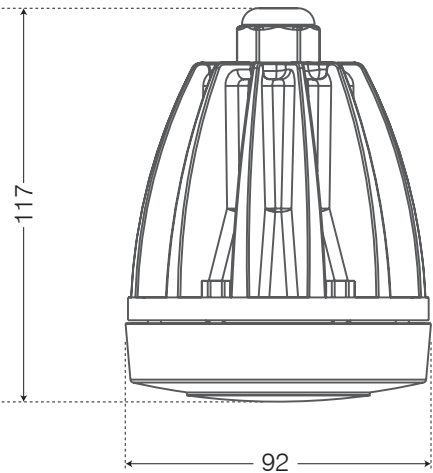
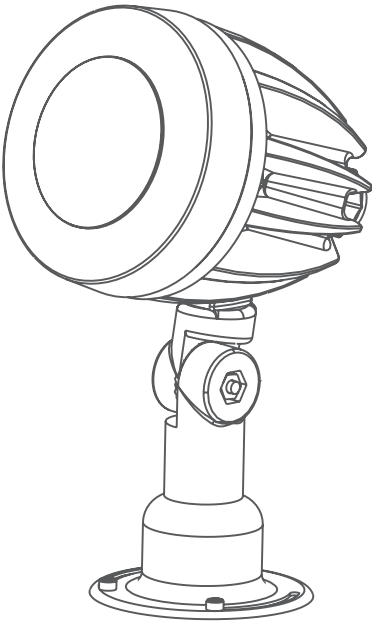
EXPLANATION

MIRA RGB Series is a powerful and outdoor rated inground with high lumen output and excellent color consistency. MIRA RGB are excellent solution for accent lighting, spot lighting, wall washing, façade lighting applications and widely used in illuminating historical places, monuments in parks and other areas.

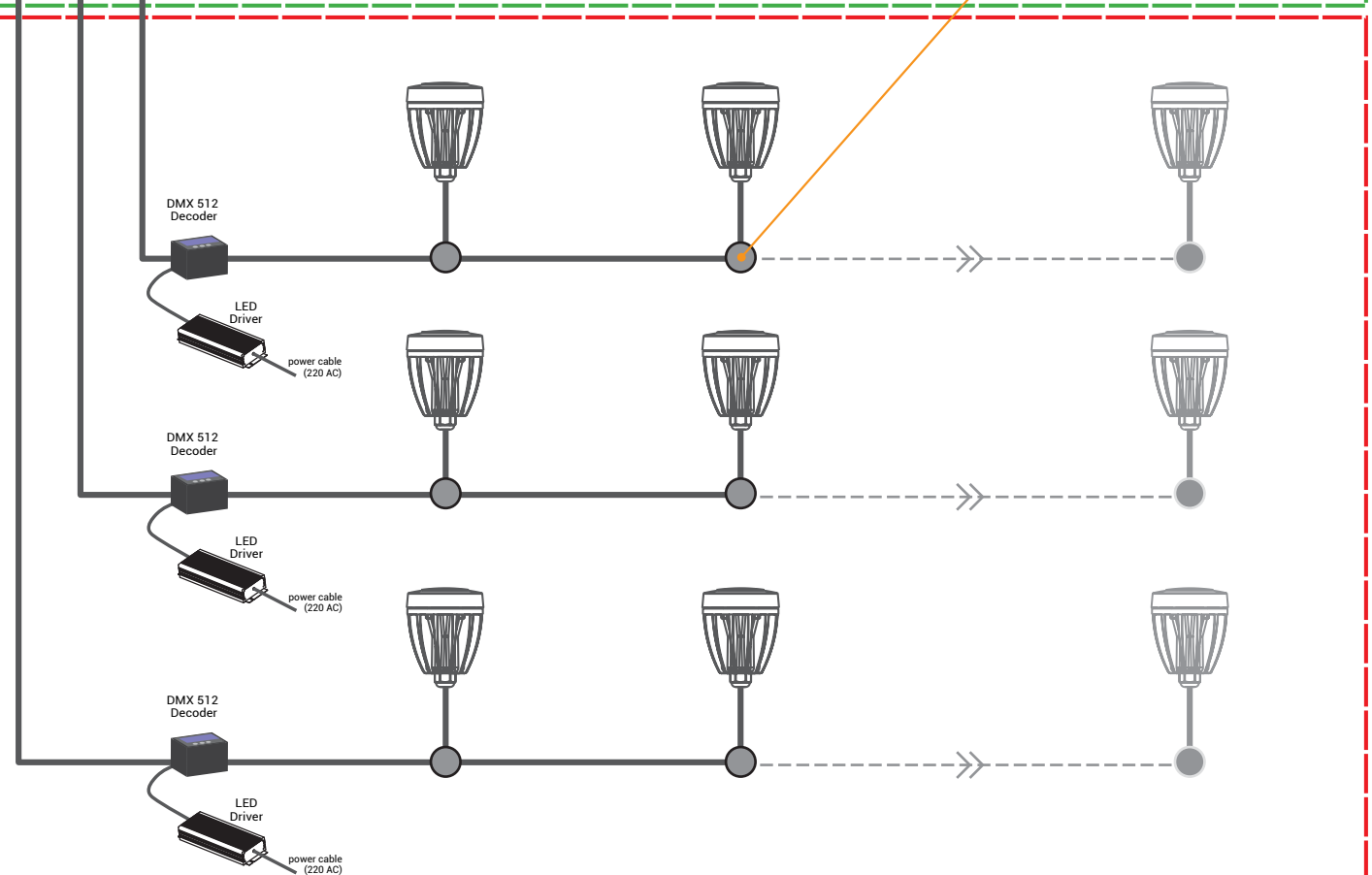
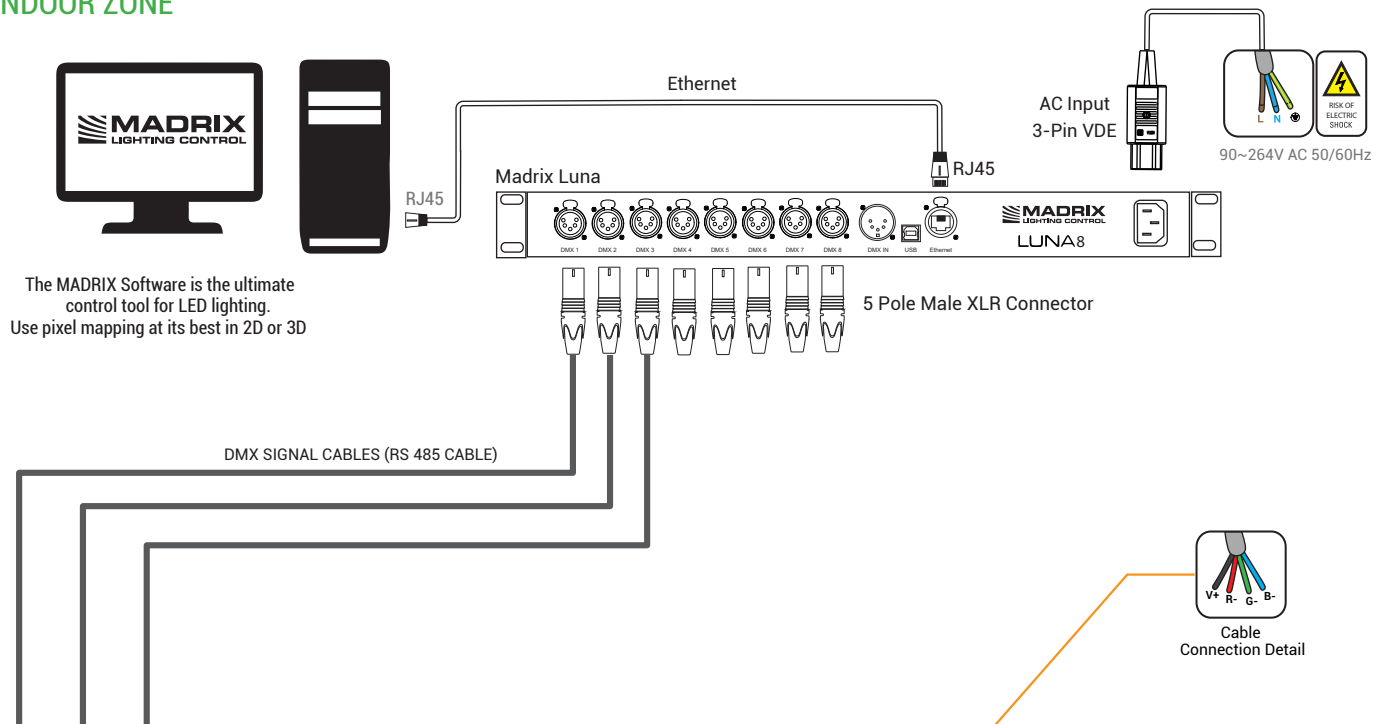
MIRA RGB Series is produced in 3 pcs colored LED. MIRA RGB Series has a sturdy die cast aluminium body. It works at 5V DC to ensure connections over long distances. MIRA RGB Series provides easy setup with standard DMX 512 without special or complex communication protocols.

- MIRA RGB provides compatible communication with other fixtures using standard DMX 512 without requiring any other special communication protocol or production ID.
- MIRA RGB ingrounds enable flexible application using very long starter and jumper cables, since they operate in 5V DC universal voltage range.
- MIRA RGB Series work through Madrix® or Enttec software and hardware in coordination. Pixel mapping can be made easily by selecting fixtures in Madrix® or Enttec library.
- IP66 class MIRA RGB, are designed to meet the challenging requirements of exterior applications with their robust and durable structure. It is resistant to shock, vibration and other harsh conditions through die cast aluminium body and 3mm PMMA cover.
- Input and output is delivered through a cable and requires an extra junction box. This junction allows cable connection between distances. Jumper cables can be determined according to the desired length of cable.
- MIRA RGB Series is produced in grey color as standard, and is also available in different colors in RAL code upon request.

Output	RGB 6W
Light Source	3 High Power Colored LEDs
Lumen Maintenance	60.000 > hours L70 @ 50° C (full output)
Color Range	16.7 Million additive RGB colors
Ra(CRI)	RGB Full on ≥70CRI
Beam Angle	25°- 45° (3 in1 full lens)
Luminous Flux	294 lm
Efficacy (lm/W)	49 lm/W
Control & Programming	
Color Resolution:	3 x 8-bit (Gamma correction)
Addressing:	RDM (Group of Remote Addressable Systems)
PWM Frequency:	1000Hz flicker free dimming
DMX / DALI Compliance:	USITT DMX512-1990
RDM Compliance:	ANSI/ESTA E1.20-2010
Electrical	
Operating Voltage:	5V DC
Power Consumption:	6W
Connections:	Wire and Connector
Physical	
Housing:	Die cast
Front Material:	PMMA
Installation Brackets:	Plastic and stainless steel
Gasket:	Silicon
Color:	Grey (standard) or Custom Any RAL (optional)
Measurements:	
Dimensions: (height x width x depth)	190 x 92 x 117 mm
Net weight:	0,75 kg
Environmental	
Storage Temperature:	-40°C / +85°C
Ambient Temperature:	-25°C / +50°C
Operating Temperature:	-25°C / +65°C
Cooling:	Cooling by free air convection
Ingress Protection Rating:	IP66
Certificate:	EN 60598, CE
Warranty:	5-year Limited Warranty



INDOOR ZONE

**Suggestions to Reach for DMX Control**

The total cable length should not be more than 300m without buffering.

The total fixture number should not be more than 15 pcs on a single line without buffering.

It is recommended to use only connection cables with a characteristic impedance of 120 ohm, where the DMX + and DMX - data lines are intertwined and there is a ground link as a coaxial screen surrounding the inner cores.

120 Ω terminating resistor should be connected between the DMX + and DMX - output connections on the last fixture.

Use a powered DMX splitter/buffer if it is necessary to separate the control link in order to feed fixtures in different locations.

Make sure that the DMX + and DMX - connections do not get crossed at any point.

Notes:

1) Maximum total length of chain (fixtures and leader cable) is 50m.

2) Maximum total length of fixtures in chain is 15 pieces, varies by selected DMX personality.

OUTDOOR ZONE

The diagram illustrates the setup for the ENTTEC DATAGATE MK2. On the left, a computer monitor displays the ENTTEC logo, and a tower unit represents the software. An Ethernet cable (RJ45) connects the computer to the DATAGATE MK2. The DATAGATE MK2 is a central unit with eight DMX channels (DMX 1 to DMX 8) and an Ethernet port. It is powered by an AC Input 3-Pin VDE plug, with a warning label indicating 90~264V AC 50/60Hz and a risk of electric shock. The unit is connected to eight 5 Pole Male XLR Connectors. DMX signal cables (RS 485 cable) are shown connecting the XLR connectors to a cable connection detail. The cable connection detail shows four wires: V+ (red), R- (black), G- (green), and B- (blue).

ENTTEC

Ethernet

RJ45

ENTTEC DATAGATE MK2

DMX 1 DMX 2 DMX 3 DMX 4 DMX 5 DMX 6 DMX 7 DMX 8

5 Pole Male XLR Connector

DMX SIGNAL CABLES (RS 485 CABLE)

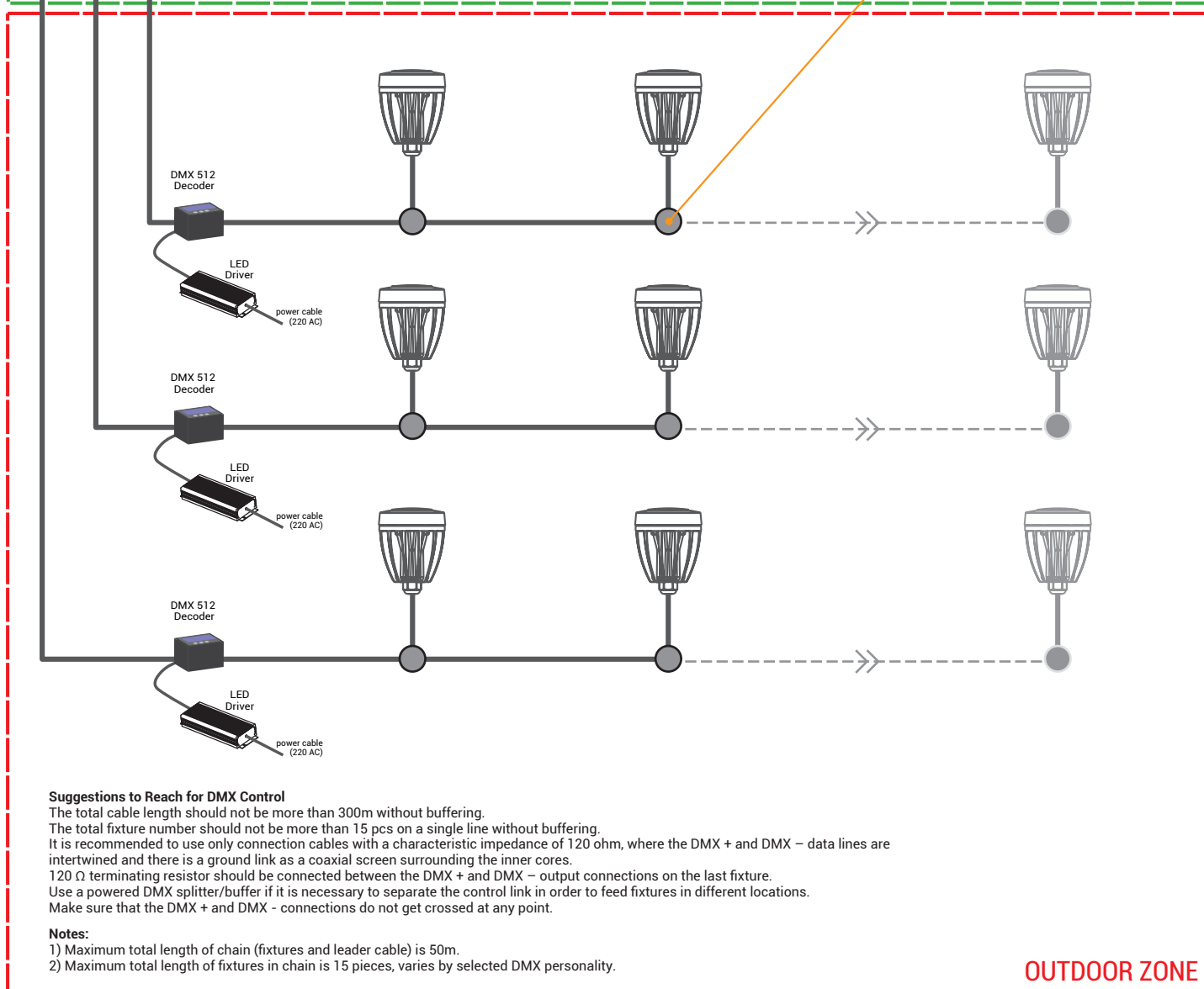
AC Input 3-Pin VDE

90~264V AC 50/60Hz

RISK OF ELECTRIC SHOCK

Cable Connection Detail

V+ R- G- B-



RDM EXPLANATION

MIRA RGB

complies with the RDM Monitoring Command System. In order to use RDM Monitoring System, a compatible controller is required depending on the installation.

Through DMX data connection, it is possible to control the fixture's settings, send commands and receive or monitor the fixture's data.

DEVICE MANAGEMENT

	GET	SET
Device Info	✓	✓
DMX Start Address	✓	✓
Identify Device	✓	✓
Device Model Description	✓	
Device Label	✓	✓
Software Version Label	✓	
DMX Personality	✓	✓
DMX Personality Description	✓	
Device Power Cycles	✓	
Status ID Description	✓	
Supported Parameters	✓	
Parameter Description	✓	

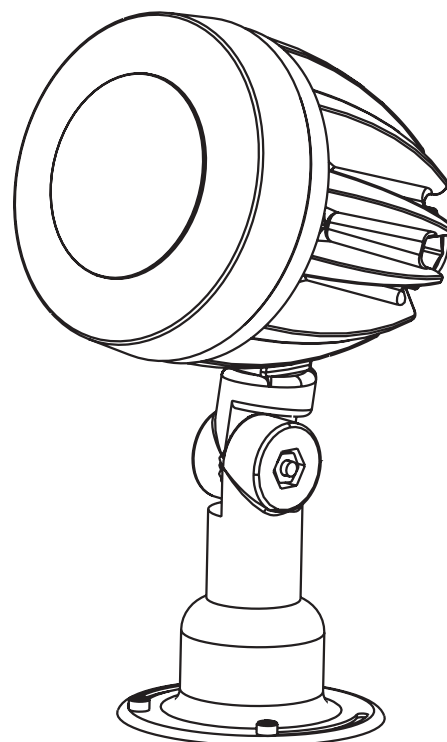
* The command names and command functions used on different RDM controllers may vary.

* Incompatible RDM controllers may cause drawbacks such as partial operation, no-operation, or incorrect fixture information.

* You can check the recommended RDM controllers on the www.bayled.eu website.

3 LED - HIGH POWER LED - RGB
(Beam angle options: 25° - 45° (3 in1 full lens))

20-01-03-08-XX-RGB



Date _____
Company _____
Project _____



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