

### EXPLANATION

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

VEGA RGB Series is produced in 12 pcs(35cm)/24 pcs(70cm)/36 pcs(100cm) /48 pcs(130cm) colored LED. VEGA RGB Series has a extruded aluminium body. It works at universal power input 90 ~ 264V AC to ensure connections over long distances. VEGA RGB Series provides easy setup and programming with standard DMX 512 and RDM protocols without special or complex communication protocols.

- VEGA RGB provides compatible communication with other fixtures using standard DMX 512 and RDM protocols without requiring any other special communication protocol or production ID. They are remotely addressable in group via RDM protocol. This feature allows for easy pixel mapping and addressing after all installations have been completed.
- VEGA RGB wallwashers enable flexible application using very long starter and jumper cables, since they operate in 90 ~ 264V AC 50/60HZ universal voltage range.
- VEGA 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 VEGA 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 5mm tempered glass cover.
- Input and output is delivered through a IP67 connector and cables. Jumper cables can be determined according to the desired length of cable.
- VEGA RGB Series is produced in grey color as standard, and is also available in different colors in RAL code upon request.

**Output****Light Source****Lumen Maintenance****Color Range****Ra(CRI)****Beam Angle****Luminous Flux****Efficacy (lm/W)****RGB 35CM**

12 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

784 lm

65 lm/W

**RGB 35CM**

12 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

1314 lm

55 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:** 90 ~ 264VAC 50/60Hz Universal AC input**Power Consumption:** 12W

24W

**Connections:** Wire and Connector**Physical****Housing:** Extrusion**Front Material:** Tempered glass (5mm)**Installation Brackets:** Aluminium and plastic**Gasket:** Silicon**Color:** Grey (standard) or Custom Any RAL (optional)**Measurements:****Dimensions:** 109 x 355 x 185 mm  
(height x width x depth)**Net weight:** 2 kg**Environmental****Storage Temperature:** -40°C / +85°C**Ambient Temperature:** -25°C / +50°C**Operating Temperature:** -25°C / +65°C**Thermal Protection** Automatic over temperature protection(+70°C)**Cooling:** Cooling by free air convection**Ingress Protection Rating:** IP66**Impact Resistance Rating:** IK09**Certificate:** EN 60598, CE**Warranty:** 5-year Limited Warranty

**Output****Light Source****Lumen Maintenance****Color Range****Ra(CRI)****Beam Angle****Luminous Flux****Efficacy (lm/W)****RGB 70CM**

24 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

1568 lm

65 lm/W

**RGB 70CM**

24 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

2628 lm

55 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:**

90 ~ 264VAC 50/60Hz Universal AC input

**Power Consumption:**

24W

48W

**Connections:**

Wire and Connector

**Physical****Housing:**

Extrusion

**Front Material:**

Tempered glass (5mm)

**Installation Brackets:**

Aluminium and plastic

**Gasket:**

Silicon

**Color:**

Grey (standard) or Custom Any RAL (optional)

**Measurements:****Dimensions:**

109 x 700 x 185 mm

(height x width x depth)

**Net weight:**

3,53 kg

**Environmental****Storage Temperature:**

-40°C / +85°C

**Ambient Temperature:**

-25°C / +50°C

**Operating Temperature:**

-25°C / +65°C

**Thermal Protection**

Automatic over temperature protection(+70°C)

**Cooling:**

Cooling by free air convection

**Ingress Protection Rating:**

IP66

**Impact Resistance Rating:**

IK09

**Certificate:**

EN 60598, CE

**Warranty:**

5-year Limited Warranty

**Output****Light Source****Lumen Maintenance****Color Range****Ra(CRI)****Beam Angle****Luminous Flux****Efficacy (lm/W)****RGB 100CM**

36 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

2352 lm

65 lm/W

**RGB 100CM**

36 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

3941 lm

55 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:**

90 ~ 264VAC 50/60Hz Universal AC input

**Power Consumption:**

36W

72W

**Connections:**

Wire and Connector

**Physical****Housing:**

Extrusion

**Front Material:**

Tempered glass (5mm)

**Installation Brackets:**

Aluminium and plastic

**Gasket:**

Silicon

**Color:**

Grey (standard) or Custom Any RAL (optional)

**Measurements:****Dimensions:**

(height x width x depth)

109 x 1000 x 185 mm

**Net weight:**

4,80 kg

**Environmental****Storage Temperature:**

-40°C / +85°C

**Ambient Temperature:**

-25°C / +50°C

**Operating Temperature:**

-25°C / +65°C

**Thermal Protection**

Automatic over temperature protection(+70°C)

**Cooling:**

Cooling by free air convection

**Ingress Protection Rating:**

IP66

**Impact Resistance Rating:**

IK09

**Certificate:**

EN 60598, CE

**Warranty:**

5-year Limited Warranty

**Output****Light Source****Lumen Maintenance****Color Range****Ra(CRI)****Beam Angle****Luminous Flux****Efficacy (lm/W)****RGB 130CM**

48 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

3135 lm

65 lm/W

**RGB 130CM**

48 High Power Colored LEDs

60.000 &gt; hours L70 @ 50° C (full output)

16.7 Million additive RGB colors

RGB Full on ≥70CRI

8°/ 25°/ 45°/ 60°/ 10x45°

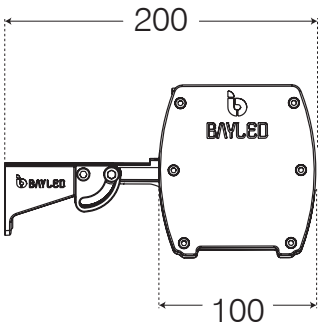
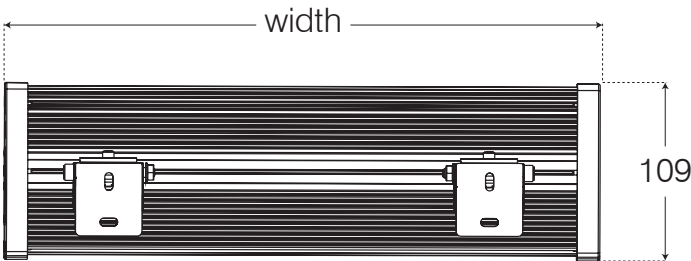
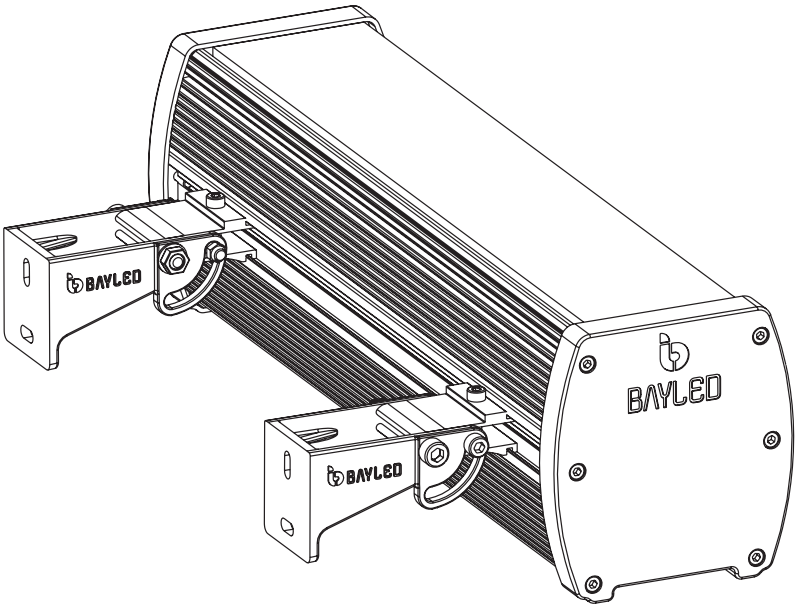
5255 lm

55 lm/W

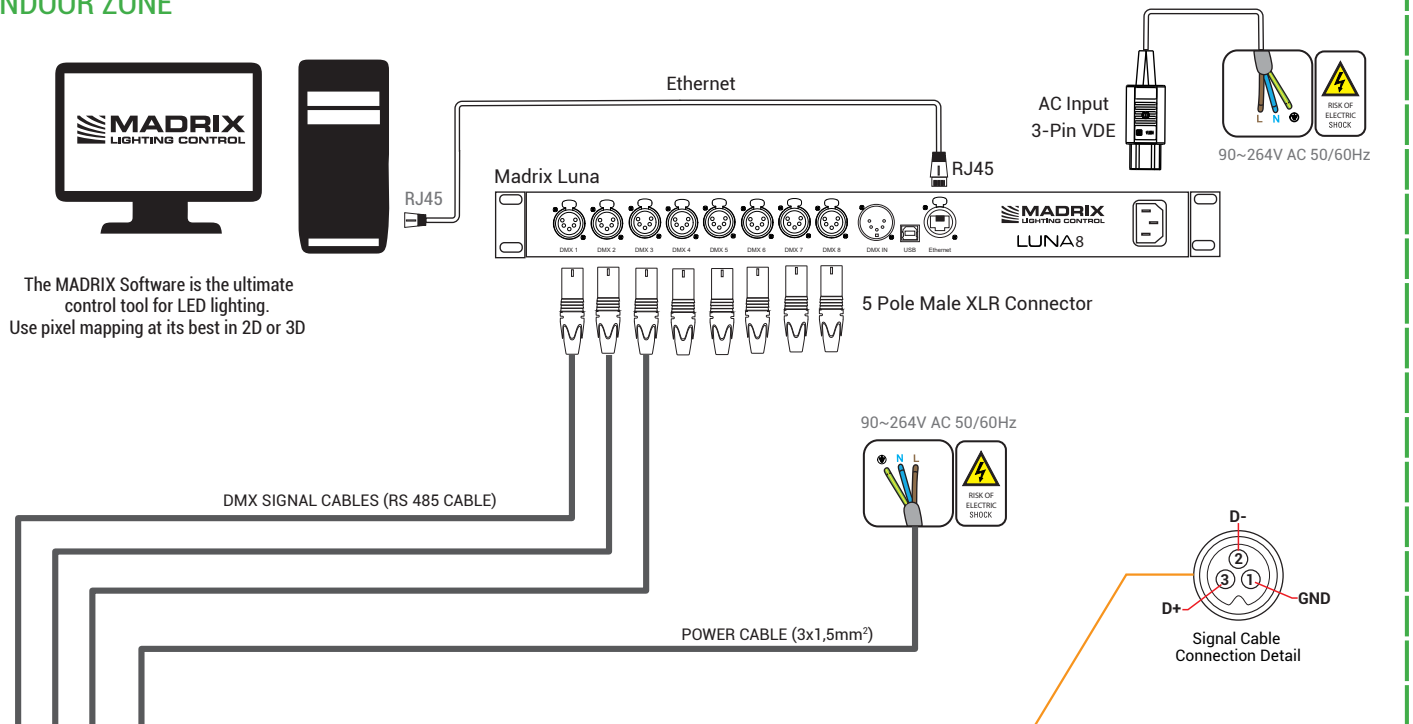
**Control & Programming****Color Resolution:** 3 x 8-bit (Gamma correction)**Addressing:** RDM (Group of Remote Addressable Systems)**PWM Frequency:** 1000Hz flicker free dimming**DMX / DALI Compliance:** USITT DMX512-1990**RDM Compliance:** ANSI/ESTA E1.20-2010**Electrical****Operating Voltage:** 90 ~ 264VAC 50/60Hz Universal AC input**Power Consumption:** 48W

96W

**Connections:** Wire and Connector**Physical****Housing:** Extrusion**Front Material:** Tempered glass (5mm)**Installation Brackets:** Aluminium and plastic**Gasket:** Silicon**Color:** Grey (standard) or Custom Any RAL (optional)**Measurements:****Dimensions:** 109 x 1325 x 185 mm  
(height x width x depth)**Net weight:** 6,30 kg**Environmental****Storage Temperature:** -40°C / +85°C**Ambient Temperature:** -25°C / +50°C**Operating Temperature:** -25°C / +65°C**Thermal Protection** Automatic over temperature protection(+70°C)**Cooling:** Cooling by free air convection**Ingress Protection Rating:** IP66**Impact Resistance Rating:** IK09**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  $\Omega$  terminating resistor should be connected between the DMX + and DMX - output connections on the last fixture.

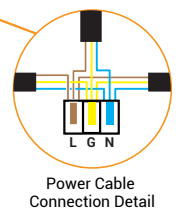
Use a powered DMX splitter/buffer if it is necessary to separate the control link in order to feed fixtures in different locations.

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

**Notes:**

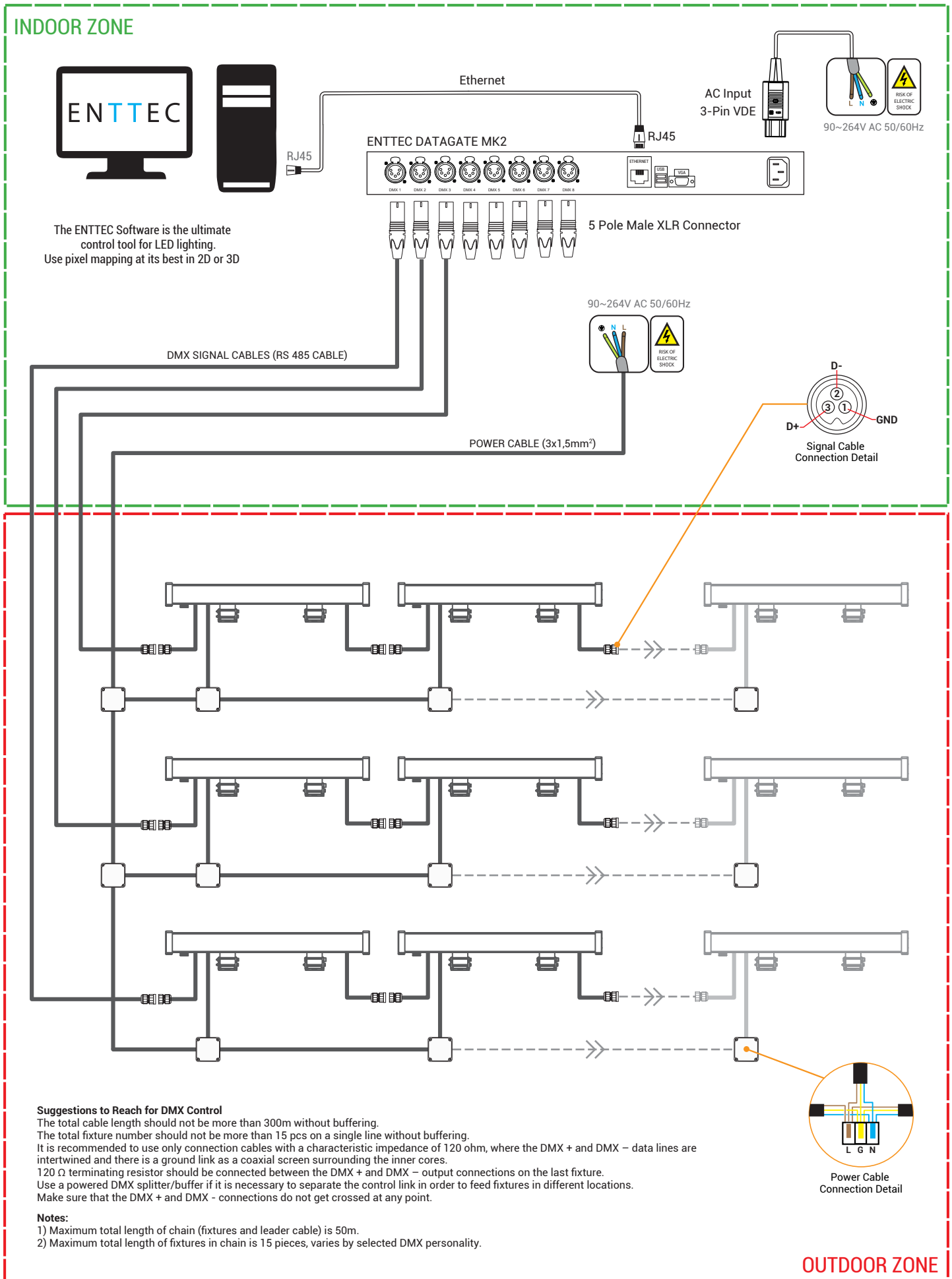
1) Maximum total length of chain (fixtures and leader cable) is 50m.

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



## OUTDOOR ZONE

## INDOOR ZONE





## RDM EXPLANATION

### VEGA 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](http://www.bayled.eu) website.

**POWER LED - RGB****(Beam angle options: 8° - 25° - 45° - 60° - 10x45°)**

01-02-35-12-XX-RGB

01-02-35-24-XX-RGB

01-02-70-24-XX-RGB

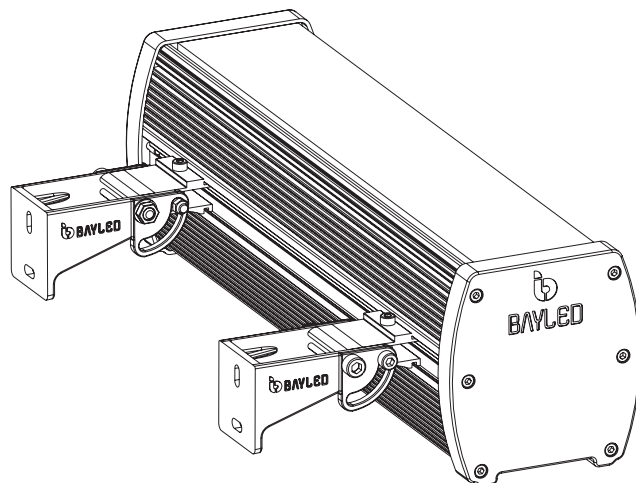
01-02-70-48-XX-RGB

01-02-100-36-XX-RGB

01-02-100-72-XX-RGB

01-02-130-48-XX-RGB

01-02-130-96-XX-RGB



Date \_\_\_\_\_  
Company \_\_\_\_\_  
Project \_\_\_\_\_

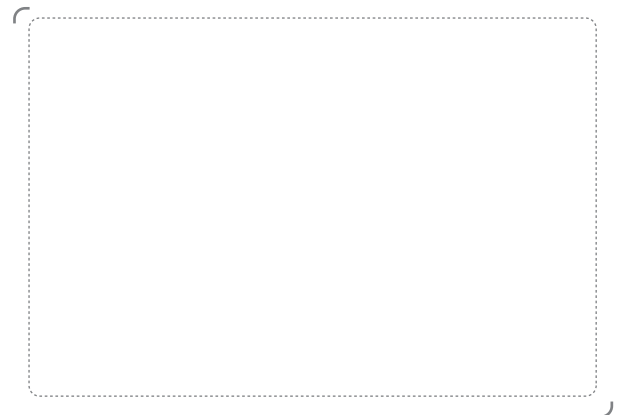


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