SEGA LED LINEAR WALL WASHER

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1FT(300mm)

2FT(600mm)

3FT(900mm)

4FT(1200mm)

Low Bracket Mounting

High Bracket Mounting

The SEGA Linear Wall Washer utilizes high-quality aluminum profiles and tempered glass as its primary materials. Featuring advanced powder-coated shell technology, it delivers enhanced corrosion resistance. With an impact resistance rating of IK08 and waterproof rating of IP66, the fixture is available in various lengths, colors, beam angles, and control methods, with compatible accessories for each specification. It is designed for exceptional wall washing, grazing and architectural highlighting of exterior facades, signage, bridges and monuments.

TECHNICAL DATA

|	
Wattage	12W, 24W, 36W, 48W
CRI	80
CCT	2700K, 3000K, 4000K, 5000K
	6000K, RGB, RGBW
Dimming	ON/OFF, 0-10V, DMX, DMX/RDM
Input Voltage	120-277V
Operating Temp.	-20°C~55°C (-4°F ~131°F)
Certifications	cETL
	RoHS compliant
Power Factor	>0.9 at full load
Harmonic Distortion	<20% at full load
IP Rating	IP66
IK Rating	IK08

FEATURES

▪ **Adjustable & Customizable:** Selection of CCT, light distribution, and control for tailored lighting solution.

▪ **Durable Design:** IP66-rated and IK08-rated for long-term reliability. Durable construction for outdoor environment.

▪ **Smart Compatibility:** Includes 0-10V dimming, DMX, and RDM for enhanced control.

SPECIFICATION

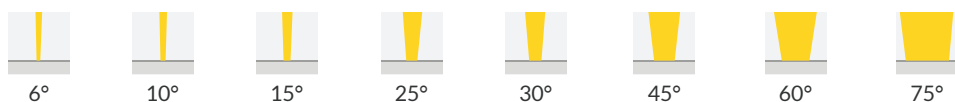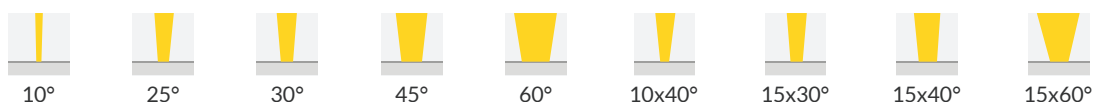| Part Number	SEGA121	SEGA242	SEGA363	SEGA484
Length (nominal)	11.8"x1.58"x3.5"	23.6"x1.58"x3.5"	35.4"x1.58"x3.5"	47.2"x1.58"x3.5"
	300x40.2x89mm	600x40.2x89mm	900x40.2x89mm	1200x40.2x89mm
LED Quantity	6PCS	18PCS	24PCS	36PCS
Wattage	12W	24W	36W	48W
Weight	0.78KG±5%	1.26KG±5%	2.10KG±5%	2.40KG±5%

Color Temperature (nominal)

2700K 3000K 4000K 5000K 6000K Red Green Blue

TW RGB RGBW (3000K) RGBW (4000K)
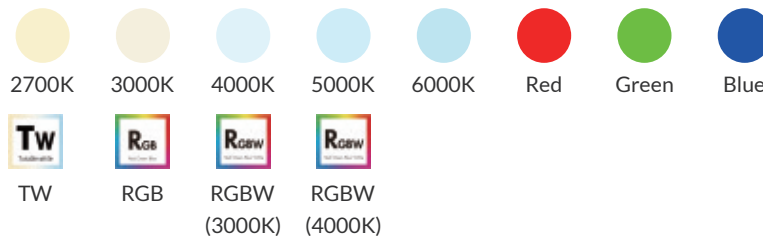
Luminaire Efficiency	85lm/W@3000K, 35lm/W@RGBW
Housing Material	Extruded aluminium
Bracket Material	Stainless steel, bending aluminum
End Cap Material	Die-cast aluminium
Gasket Material	Silicone
Lens Material	Glass
Voltage	120-277V AC
Controls	ON/OFF, 0-10V dimming, DMX, DMX with RDM
Rated Frequency	50/60Hz
Operating Temperature	-20°C to -55°C (-4°F to 131°F)

Beam Angles

For Static CCT only

6° 10° 15° 25° 30° 45° 60° 75°

For RGB & RGBW only

10° 25° 30° 45° 60° 10x40° 15x30° 15x40° 15x60°

Finish Colors

Electrostatic spraying

Sand black Sand gray Sand white

Oxidation treatment

Iron grey Aluminum

Optional

Custom color/finish

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SPECIFICATION

Dimension

Top View

1FT(300mm)

2FT(600mm)

3FT(900mm)

4FT(1200mm)
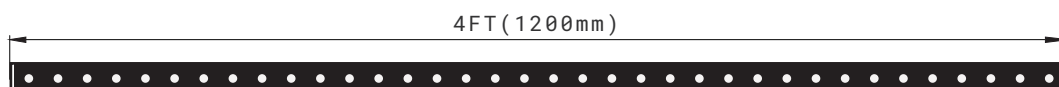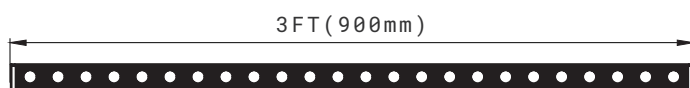
Linear Wall Washer

Side View

1FT/2FT/3FT/4FT
(300mm/600mm/900mm/1200mm)

Side View

1.57"
(40mm)

4.33"
(110mm)

Low bracket
On the driver body

1.57"
(40mm)

3.5"
(89mm)
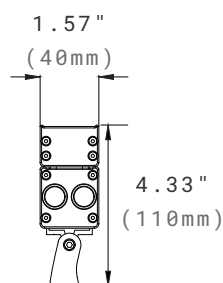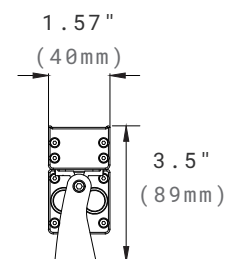
High bracket
On the lamp body

SPECIFICATION

Linear Wall Washer with Side Shade

Side View

1FT / 2FT / 3FT / 4FT
(300mm / 600mm / 900mm / 1200mm)

Side View

1.57"
(40mm)

5.5"
(140mm)

1.57"
(40mm)

4.69"
(119mm)
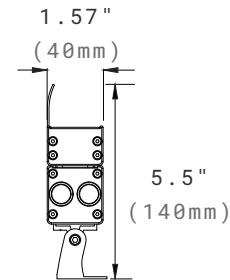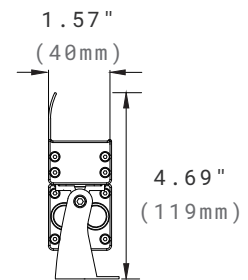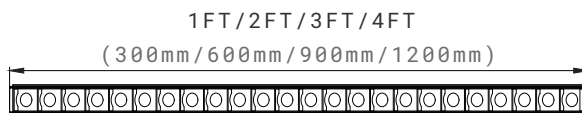
Low bracket
On the driver body

High bracket
On the lamp body

Linear Wall Washer with Grille Shade

Top View

1FT / 2FT / 3FT / 4FT
(300mm / 600mm / 900mm / 1200mm)

Side view

1FT / 2FT / 3FT / 4FT
(300mm / 600mm / 900mm / 1200mm)

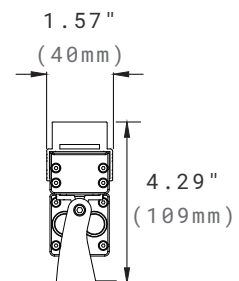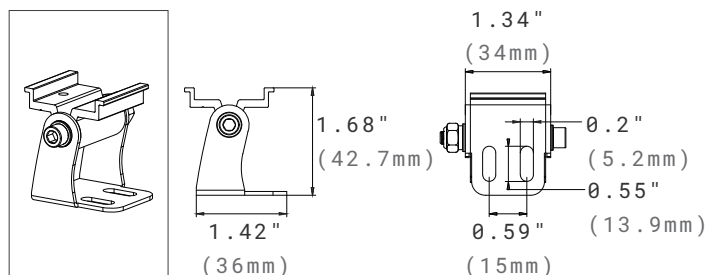**Side View**

1.57"
(40mm)

5.12"
(130mm)

1.57"
(40mm)

4.29"
(109mm)
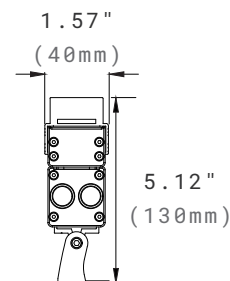
Low bracket
On the driver body

High bracket
On the lamp body

Mounting Brackets

Low Bracket

1.34"
(34mm)

1.68"
(42.7mm)

0.2"
(5.2mm)

0.55"
(13.9mm)

1.42"
(36mm)

0.59"
(15mm)

High Bracket

1.34"
(34mm)

2.52"
(64.1mm)

0.2"
(5.2mm)

0.55"
(13.9mm)

1.6"
(40.7mm)

0.59"
(15mm)

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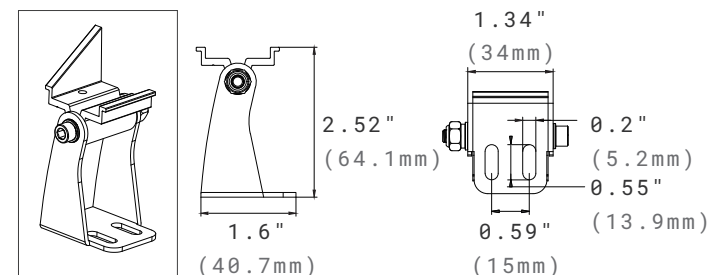
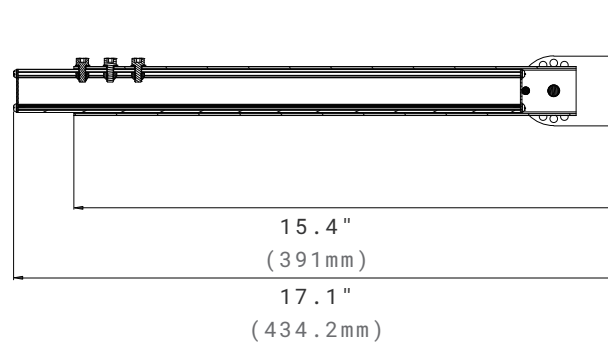## SPECIFICATION

Adjustable Extension Arm

Maximum Extension Length

15.4"
(391mm)

27.7"
(702.2mm)

Ø0.34"
(8.5mm)

0.45"
(11.5mm)

Ø0.34"
(8.5mm)

0.55"
(14mm)

1.1"
(28mm)

3.46"
(88mm)

4.72"
(120mm)

2.75"
(70mm)

3.54"
(90mm)

Minimum Extension Length

15.4"
(391mm)

17.1"
(434.2mm)

Grille Shade

Top View

0.95FT / 1.6FT / 1.93FT / 3.24FT
(288mm / 488mm / 588mm / 988mm)

| 1.69" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.61" | 1.69" |
| 43mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 41mm | 43mm |

Section View

1.57"
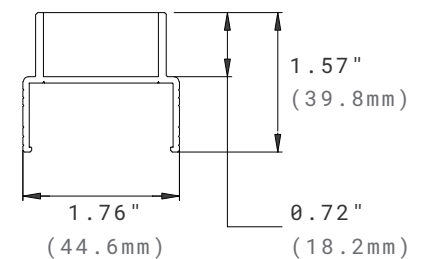(39.8mm)

1.76"
(44.6mm)

0.72"
(18.2mm)

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ORDERING INFORMATION

Static CCT Model

EXAMPLE: SEGA-1211-3080-10D-30-HBKT-SGY

SEGA							
Series	Wattage /Length	Voltage	CCT /CRI	Control	Beam Angle	Installation	Optic Options	Finish
SEGA	**121** 12W/1FT **242** 24W/2FT **363** 36W/3FT **484** 48W/4FT	**1** 120-277V Internal Driver	**2780** 2700K /CRI80 **3080** 3000K /CRI80 **4080** 4000K /CRI80 **5080** 5000K /CRI80 **6080** 6000K /CRI80	**BLANK** ON/OFF **10D** 0-10V dimming	**6** 6° **10** 10° **15** 15° **25** 25° **30** 30° **45** 45° **60** 60° **75** 75°	**HBKT** High Bracket **LBKT** Low Bracket	**BLANK** None **GLL** Grille Lens **LVL** Louver Lens **GS** Grille Shade **SS** Side Shade	**SGY** Sandy Gray **SBK** Sandy Black **SWH** Sandy White **IGY** Iron Gray **AL** Aluminum *Optional custom colors available.*[1]

NOTE:
1. Sandy Black and Sandy White are standard finishes. Other finish colors are available at an additional charge.

ORDERING INFORMATION

RGB Model

EXAMPLE: SEGA-1211-RGBW30-DMX-30-HBKT-SGY

SEGA								
Series	**Wattage /Length**	**Voltage**	**CCT /CRI**	**Control**	**Beam Angle**	**Installation**	**Optic Options**	**Finish**
SEGA	**121** 12W/1FT **242** 24W/2FT **363** 36W/3FT **484** 48W/4FT	**1** 120-277V Internal Driver	**RGB** RGB **RGBW30** RGB+W W=3000K **RGBW40** RGB+W W=4000K	**DMX** DMX **DMXR** DMX with RDM enable	**10** 10° **25** 25° **30** 30° **45** 45° **60** 60° **10x40** 10°x40° **15x30** 15°x30° **15x40** 15°x40° **15x60** 15°x60°	**HBKT** High Bracket **LBKT** Low Bracket	**BLANK** None **GLL** Grille Lens **LVL** Louver Lens **GS** Grille Shade **SS** Side Shade	**SGY** Sandy Gray **SBK** Sandy Black **SWH** Sandy White **IGY** Iron Gray **AL** Aluminum *Optional custom colors available.*[1]

NOTE:

1. Sandy Black and Sandy White are standard finishes. Other finish colors are available at an additional charge.

ACCESSORIES (ORDERED SEPARATELY AND FIELD INSTALLED)

LCB-3PIN-15FT[1]
15FT 3-pin leader cable with female plug for AC ON/OFF power lead wiring.

LCB-5PIN-15FT
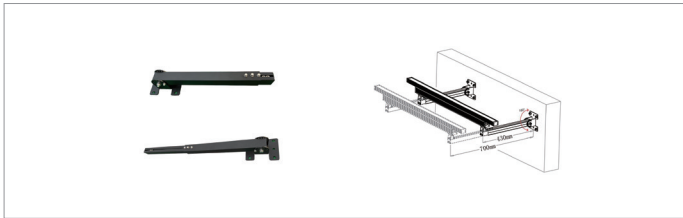15FT 5-pin leader cable with female plug for AC 0-10V dimming power lead wiring.

LCB-4PIN-15FT[1]
15FT 4-pin leader cable with female plug for DMX signal wiring.

SPD-10KV-1-IP65
Surge Protector, 10kA/10kV, 100 - 277VAC, IP65 rated, Hardwired.

PVC-JBOX-1
PVC electrical enclosure boxes.

SEGA-AEA-SBK
Adjustable Extension Arm, Sandy Black (2 pieces).

NOTE:
1.   Both 3-pin and 4-pin leader cables are required for DMX-enable fixtures.

MAXIMUM FIXTURE RUN LENGTH

Based on 8A maximum, 1000 mm fixtures, ON/OFF control, for an end to end run with 0.6 m jumper cables between fixtures.

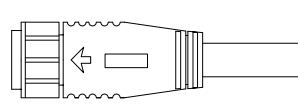| Voltage	AC100-120V	AC277V
Maximum Run of Fixtures	20.0m	46.1m

CONNECTOR DRAWINGS

AC ON/OFF IN
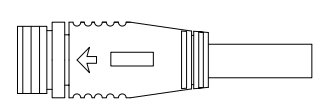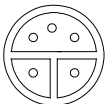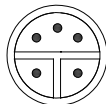
AC ON/OFF OUT
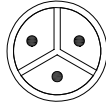
Female plug IN

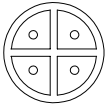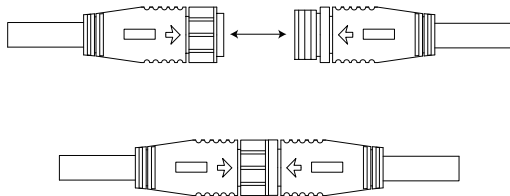Male plug OUT
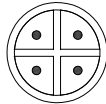
AC 0-10V Dimming IN

AC 0-10V Dimming OUT

NOTE:
1. Please refer to the wiring colour code for line definition.
2. The control mode of DMX/RDM in AC state is two in and two out.

AC DMX Single IN

AC DMX Single OUT

Align the arrows on the male and female ends and tighten the cable connector collar clockwise to lock the connection.

⚠️ **Warning**

Please confirm that the connector connection is tight and tighten the collar, otherwise water may enter and cause damage or leakage of the lighting fixture.

WIRING COLOR CODE

ON/OFF

Designation	Color
● Line	Black
○ Neutral	White
🟢 Ground/Earth	Green&Yellow

0-10V

Designation	Color
● Line	Black
○ Neutral	White
🟢 Ground/Earth	Green&Yellow
🟣 0-10V +	Purple
🔴 0-10V —	Pink or Grey

DMX/RDM

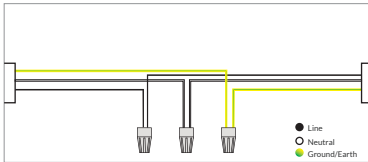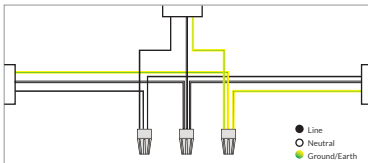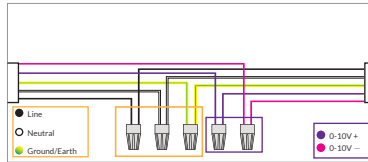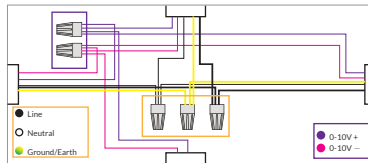| Designation	Color
● Line	Black
○ Neutral	White
🟢 Ground/Earth	Green&Yellow
🟤 A +	Brown
🔵 B —	Blue
● GND	Black
🟢 Coding	Green&Yellow

WIRING DETAILS

AC ON/OFF Control

Junction box

- ● Line
- ○ Neutral
- ● Ground/Earth

T Junction box

- ● Line
- ○ Neutral
- ● Ground/Earth

AC 0-10V Control

Junction box

- ● Line
- ○ Neutral
- ● Ground/Earth
- ● 0-10V +
- ● 0-10V −

T Junction box

- ● Line
- ○ Neutral
- ● Ground/Earth
- ● 0-10V +
- ● 0-10V −

AC DMX/RDM Control

Junction box

- ● A+   ● GND
- ● B −   ● Coding
- ● Line
- ○ Neutral
- ● Ground/Earth

T Junction box

- ● A+   ● GND
- ● B −   ● Coding
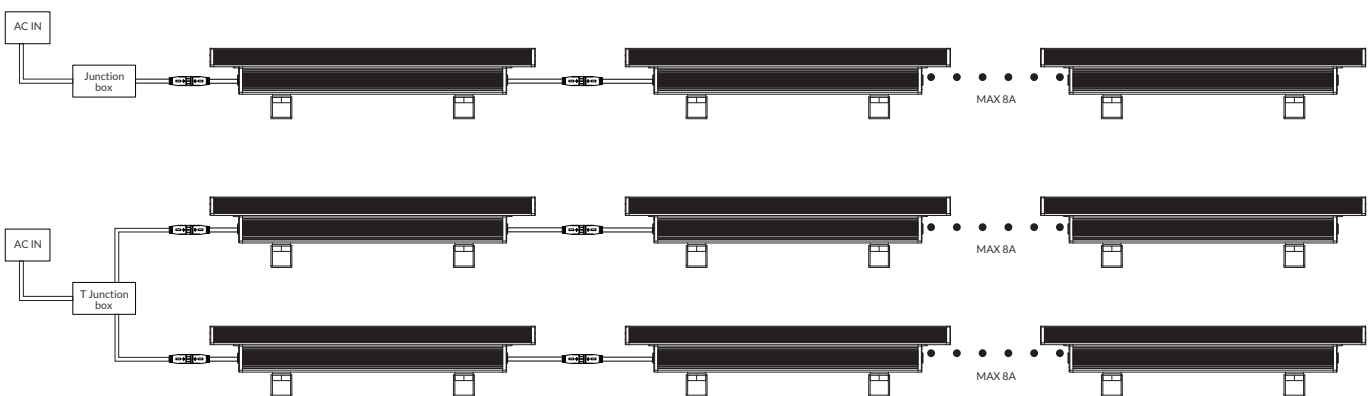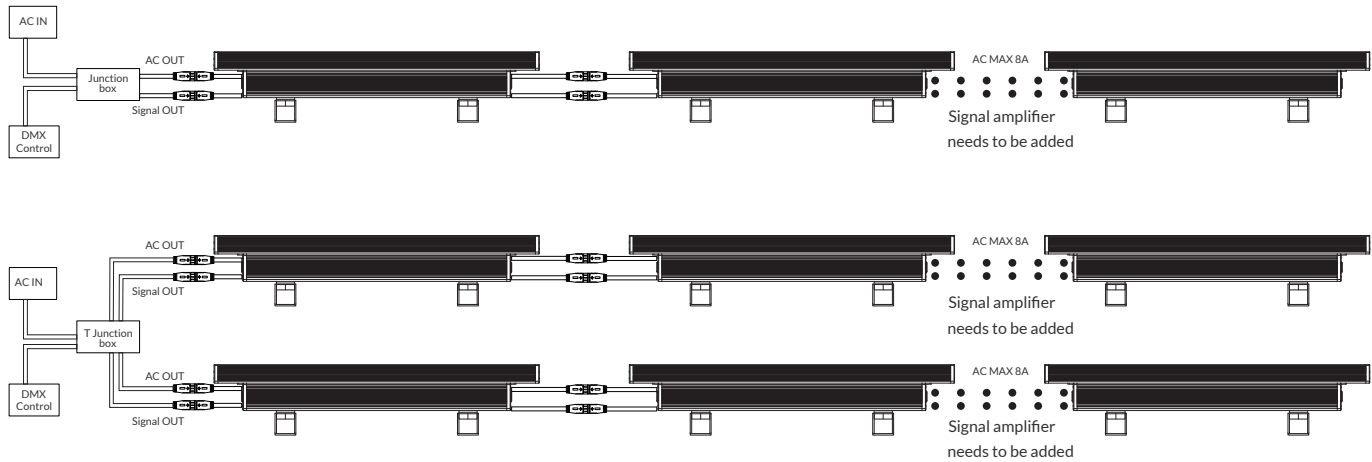- ● Line
- ○ Neutral
- ● Ground/Earth
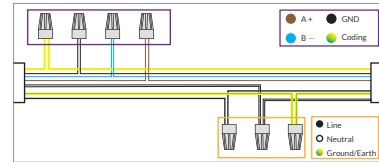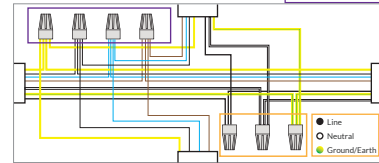
NOTE:

1. The purple box represents the signal line.
2. The orange box represents the power cord.
3. Wiring terminals need to be provided by oneself or contact sales.

CONNECTION DRAWINGS

AC ON/OFF and 0-10V Control

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AC DMX/RDM Control

NOTE:

1. The maximum current of the power cord is 8A.
2. The junction box needs to be provided by others or contact sales.
3. 0-10V controller needs to be provided by others or contact sales.
4. When the signal line exceeds a certain number of connections in the control mode of DMX/RDM, a signal amplifier needs to be added.
5. Signal amplifiers and DMX/RDM controllers need to be provided by others or contacted with sales.
6. Please refer to the wiring details section for the wiring method.

WARRANTY

5 years limited warranty.

Specifications subject to change without notice.