



LED LINEAR STRIP

LLS-OP-D50



Product Characteristics

- High quality PC diffusing material, used with the double extruded technology of PC outside+ glass inside, anti-UV and anti-yellowing in 3 years at least;
- Ultra-thin design of end cover, achieve seamless connection;
- Even lighting effect, luminous efficacy up to 60 lm/W Max;
- Achieve to IP66, IK08 protection;
- Support different installation method, such as surface mounting, bracket mounting, Spring clips mounting, etc.;
- High voltage (100~277VAC) and low voltage (24VDC) are available, suitable to different project requirements;
- A variety of control mode optional, DMX/RDM, steady color, 0-10V dimmer, etc.

Structure

Color Range	RGBW; ○ White 3000~6500K
Optics	150°
Housing	Aluminum alloy 6063/ silver
Cover Lens	PC+UV resistant
Environment	Outdoor, IP66
Light Life	50,000 hours
Warranty	3 years
Operating Temperature	- 20°C to +45°C

Packaging

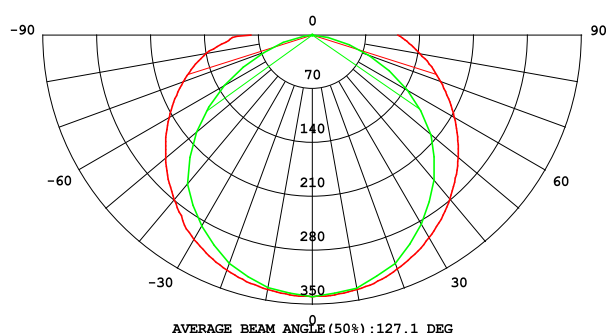
Voltage	24V DC		
Dimensions	L1222mm(4ft)	L617mm(2ft)	L315mm(1ft)
Net Weight	1.9kg	0.95kg	0.55kg
Quantity	12Units/Ctn	12Units/Ctn	24Units/Ctn
Carton size	125.5*32*33cm	66*32*33cm	

Voltage	100~277V AC		
Dimensions	L1222mm(4ft)	L617mm(2ft)	L315mm(1ft)
Net Weight	2.1kg	1.1kg	0.6kg
Quantity	12Units/Ctn	12Units/Ctn	24Units/Ctn
Carton size	125.5*32*33cm	66*32*33cm	

Accessories (order separately)

Cables	Input Cable, Extension Cable, Conversion Cable
Controller	LUNA 8
Control Systems	Madrix LED control system
Diagnostic and Addressing Tools	DMX-ADDR, MR-WT35

Candela Distribution (Direct View)

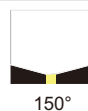


Electronic & Lumen

	4ft luminaire(L1222mm)			
Voltage	Light Source	Luminous Flux	Efficacy	Power
24V DC	RGBW(3000K)	960lm	35lm/W	32W
	RGB	560lm	25lm/W	28W
	White(3000K)	1260lm	50lm/W	
	2ft luminaire(L617mm)			
	Light Source	Luminous Flux	Efficacy	Power
	RGBW(3000K)	480lm	35lm/W	16W
	RGB	280lm	25lm/W	14W
	White(3000K)	630lm	50lm/W	
	1ft luminaire(L315mm)			
	Light Source	Luminous Flux	Efficacy	Power
RGBW(3000K)	240lm	35lm/W	8W	
RGB	140lm	25lm/W	7W	
White(3000K)	315lm	50lm/W		

	4ft luminaire(L1222mm)			
Voltage	Light Source	Luminous Flux	Efficacy	Power
100~277V AC	RGBW(3000K)	1120lm	30lm/W	32W
	RGB	700lm	20m/W	28W
	White(3000K)	1400lm	45lm/W	
	2ft luminaire(L617mm)			
	Light Source	Luminous Flux	Efficacy	Power
	RGBW(3000K)	560lm	30lm/W	16W
	RGB	350lm	20lm/W	14W
	White(3000K)	700lm	45lm/W	
	1ft luminaire(L315mm)			
	Light Source	Luminous Flux	Efficacy	Power
	RGBW(3000K)	280lm	30lm/W	8W
	RGB	175lm	20lm/W	7W
White(3000K)	350lm	45lm/W		

Optics



Control



Steady Colour



DMX/RDM



0-10V Dimming

Rating

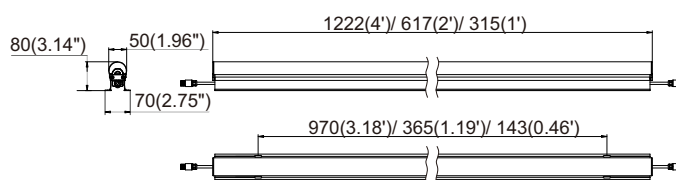


Certifications

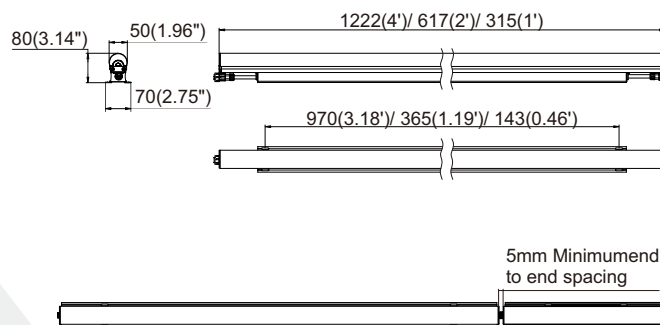


Dimension drawing(Unit:mm/inch)

24V DC configuration:

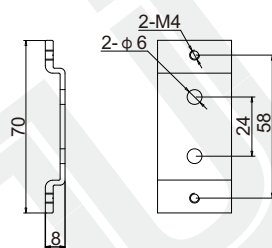


100~277V AC configuration:



Installation

Fix the brackets via M4 tapping screws, mounting size as below:

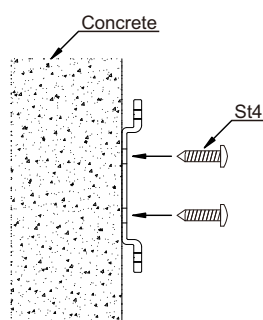


Support diagram

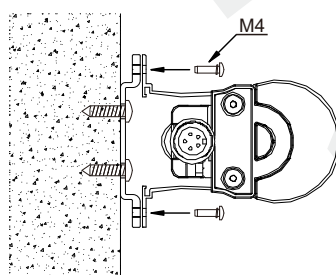
Installation Steps:

Installation method 1: First fix the installation bracket on the wall with ST4*25mm self-tapping screws, and then fix the lamp on the installation bracket with M4*10mm screws.

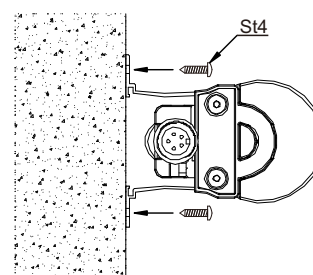
Installation method 2: Fix the lamp on the wall with ST4*25mm self-tapping screws.



Step 1

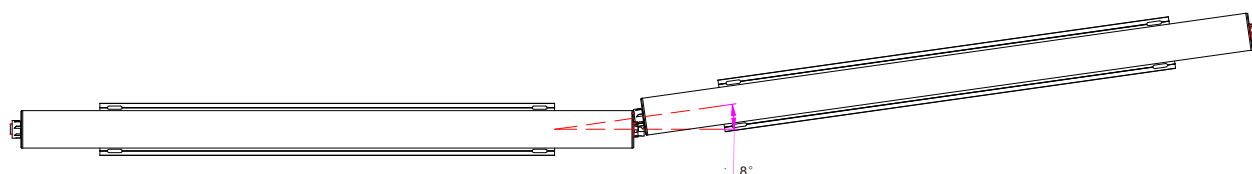


Step 2



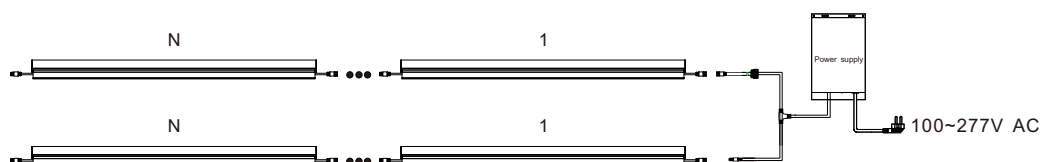
Maximum angle adjustment:

A jumper cable is required for angles greater than 8°.



System Diagram

Steady color connection(24VDC type):

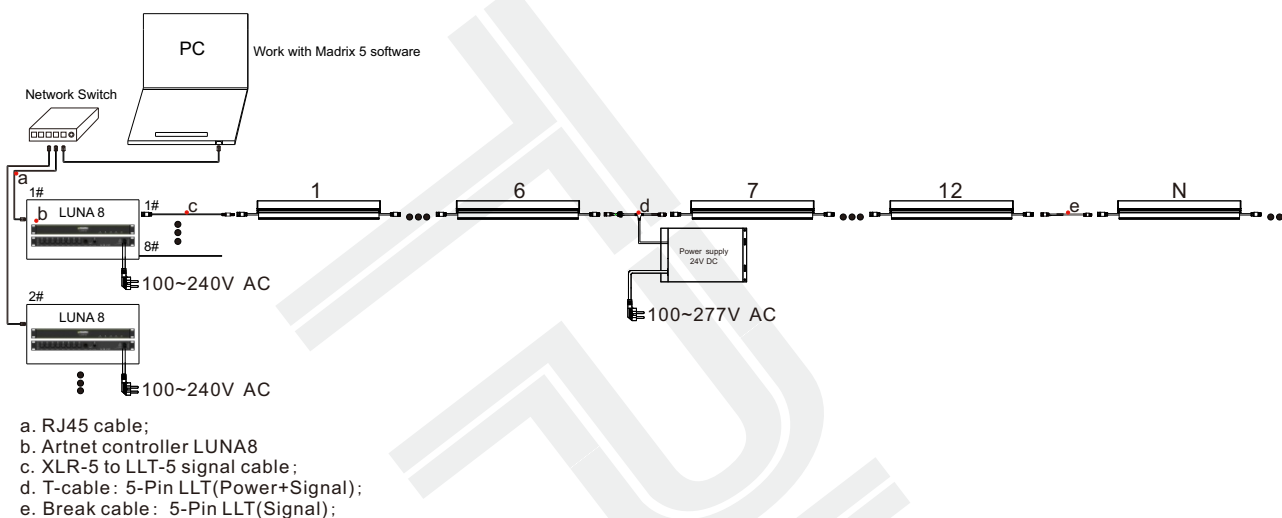


Steady color connection(100~277VAC type):

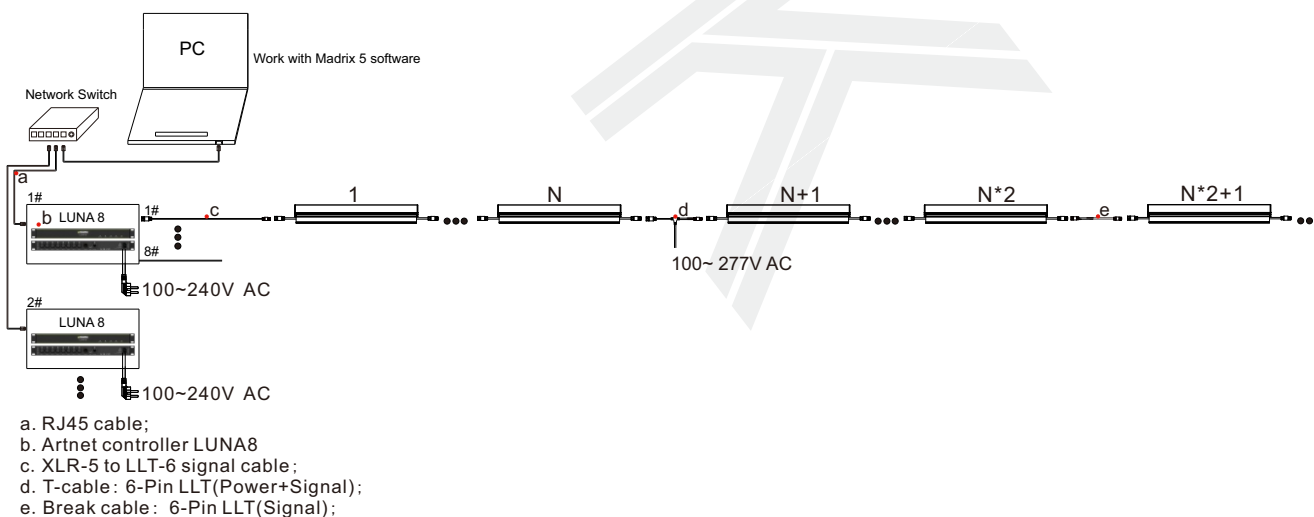


● Controller for option: Sunlite; MATRIX; PHAROS; MR and other DMX signal controllers.

DMX Control connection(24VDC type):



DMX Control connection(100~277V type):



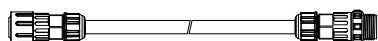
Connection quantity table :

Mode No	LLS-OP-D50-L12		LLS-OP-D50-L6		LLS-OP-D50-L3	
	24V DC	100~277V AC	24V DC	100~277V AC	24V DC	100~277V AC
Power connection (MAX)	6 PCS	16 PCS(100~120V) 36 PCS(220~277V)	12 PCS	33 PCS(100~120V) 73 PCS(220~277V)	24 PCS	66 PCS(100~120V) 146 PCS(220~277V)
Signal Connection (RGBW: 40CH/4ft)	12 PCS		24 PCS		42 PCS	

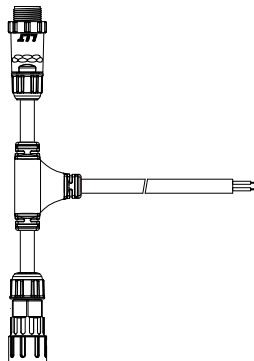
Wire Distribution

Low voltage type:

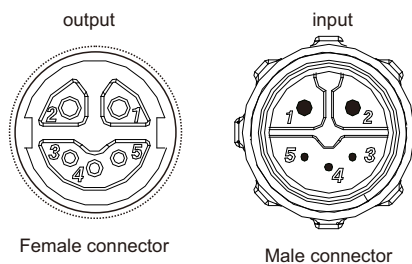
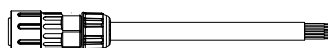
Extension cable



T-cable



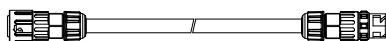
Signal output cable



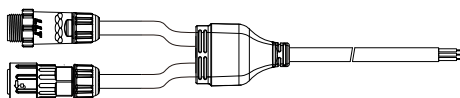
Wire#	Description	Color
1	V+	Black
2	V-	White
3	A+	Purple
4	B-	Pink
5	PI/PO	Yellow

High voltage type:

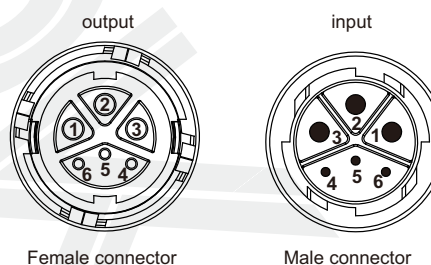
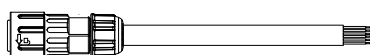
Extension cable



Y-cable



Signal output cable



Wire#	Description	Color
1	N	White
2	E	Green
3	L	Black
4	B-	Pink
5	GND	Yellow
6	A+	Purple

How to Order

Housing	Voltage	Length	Colour	Lens	Finish	Control
LLS-OP-D50	24V DC	60P 1222mm (1.9kg) 30P 617mm (0.95kg) 18P 315mm (0.55kg) ^⑤	RGBW3000K (26.66W/M) RGB (23.33W/M) White (23.33W/M)	PC Shade	Silver Housing Custom Colors & Finish ^{②③④}	DMX/RDM ^⑥ Dimmer ^⑥ Steady ^⑦
	100~277V AC	60P 1222mm (1.9kg) 30P 617mm (0.95kg) 18P 315mm (0.55kg) ^⑤				

Notes:

1. This product is designed as a 315mm light tight point of the lamp, using 18 lamp beads configuration, divided into three channels. If you need to customize the configuration of 12 lamp beads, please consult separately.
2. TPK offers a wide selection of RAL CLASSIC (K7) colours with a smooth texture and high-gloss finish. Please consult factory for a list of available K7 colours, other RAL textures and glosses, or to match alternate colour charts. Final colour matching results may vary.
3. Setup charges apply for RAL colours. Consult factory for details.
4. Longer lead times can be expected for custom RAL colour finishes.
5. DMX Mode: International standard DMX512/RDM signal.
6. Dimming Mode: 0-10V dimming.
7. Steady Color Mode: Power on/off.

Caution: 1. Do not plug them into power when the product is still in package;
 2. Don't use anything to cover the fixture during application;
 3. Don't use this product in close environment;
 4. If this product appears to be damaged, do not attempt any repair, please contact your dealer.

Warning: 1. Pls twist the connector well in order to avoid water going side and making fixture failure.