



Shenzhen Xuanan Lighting Co., Ltd

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LED Video Rigid Bar

Model: XXA-BAR5050RGB64

This led bar is with low-voltage DC power supply, long-life SMD LED as the light source, which can realize independent control and full-color color conversion. It can be widely used in stage lighting decoration, product launch conference decoration and city night scenes.

Dimension

Three kind of led bar cover dimension as below (Square, Round, Flat) (Unit: mm) :

Length	1m	0.5m	0.3m
Dimension			

Length and details

The led bar has 0.3M、0.5M、1M version , All are equipped with M4, M6 screw holes and other related components.

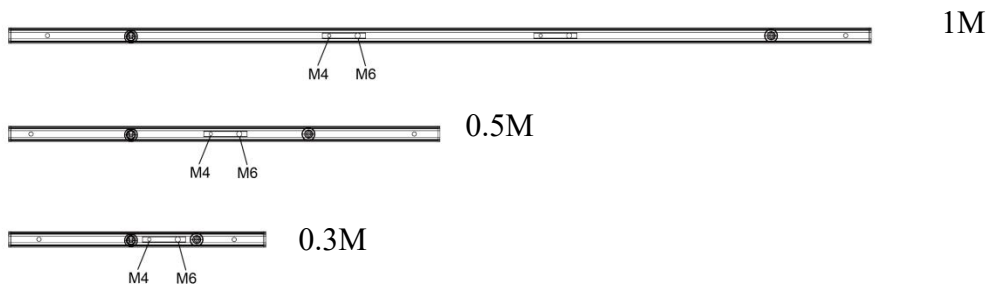


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Parameter list

Parameter	Unit	Min	Typical	Max
Length	M	–	0.3/0.5/1.0	–
Working voltage (U)	V	–	24V	–
Max power (P)	W	–	3.6/6/13	–
Quiescent Current (I)	A	–	–	–
ESD voltage (Vesd)	V	2000	–	–
R-wavelength (λ D)	NM	620	–	625
G-wavelength (λ D)	NM	520	–	525
B-wavelength (λ D)	NM	465	–	470
Beam angle	Deg	–	120/270/330	–
Operating temperature	°C	-25	–	65
Stored temperature (Tstg)	°C	-20	–	65
IP Grade (IP)	–	–	65	–
LED Type	–	–	5050RGB	–



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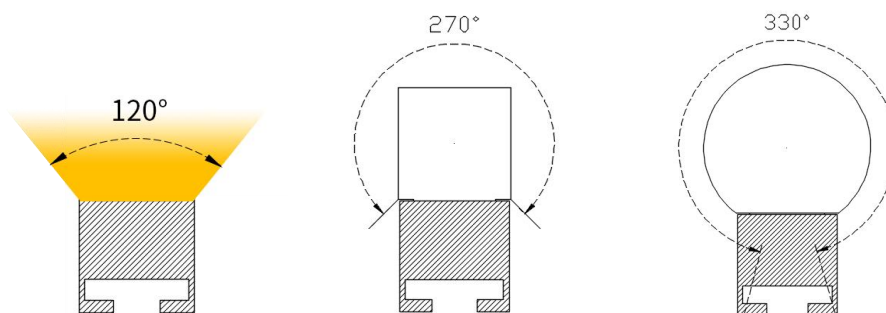
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LED Quantity(Pcs)	PCS	—	19/32/64	—
Pixel	PCS	—	19/32/64	—
IC type	—	—	CL05	—
Grey scale (gray)	—	—	256	—
Channel	—	—	GRB	—
Product weight	KG	—	0.22/0.32/0.56	—
Product color	—	—	Black	—

Features

1. The LED BAR adopts single signal transmission and SPI control.
2. The LED bar has 256 levels of grayscale , high brightness and no flicker.
3. Three led bar covers correspond to different luminous angles (120°、270°、330°)





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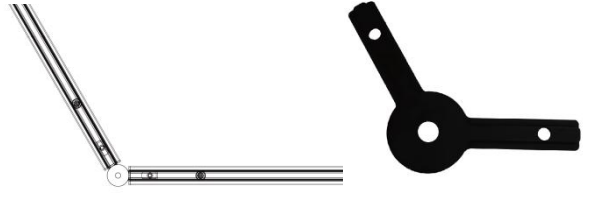
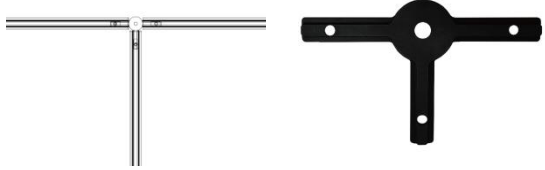
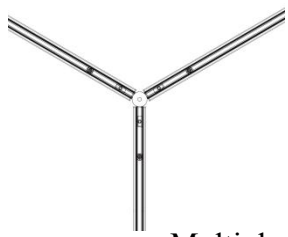
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4. The LED bar supports a variety of connectors (90° connector, 120° connector, Y-shaped connector, T-shaped connector, hexagonal connector, cross connector, etc.), which can meet the construction needs of different shapes.

Accessories installation	
 Multiple 90°L mode connector	 Multiple 120°L mode connector
 Multiple T mode connector	 Multiple Y mode connector

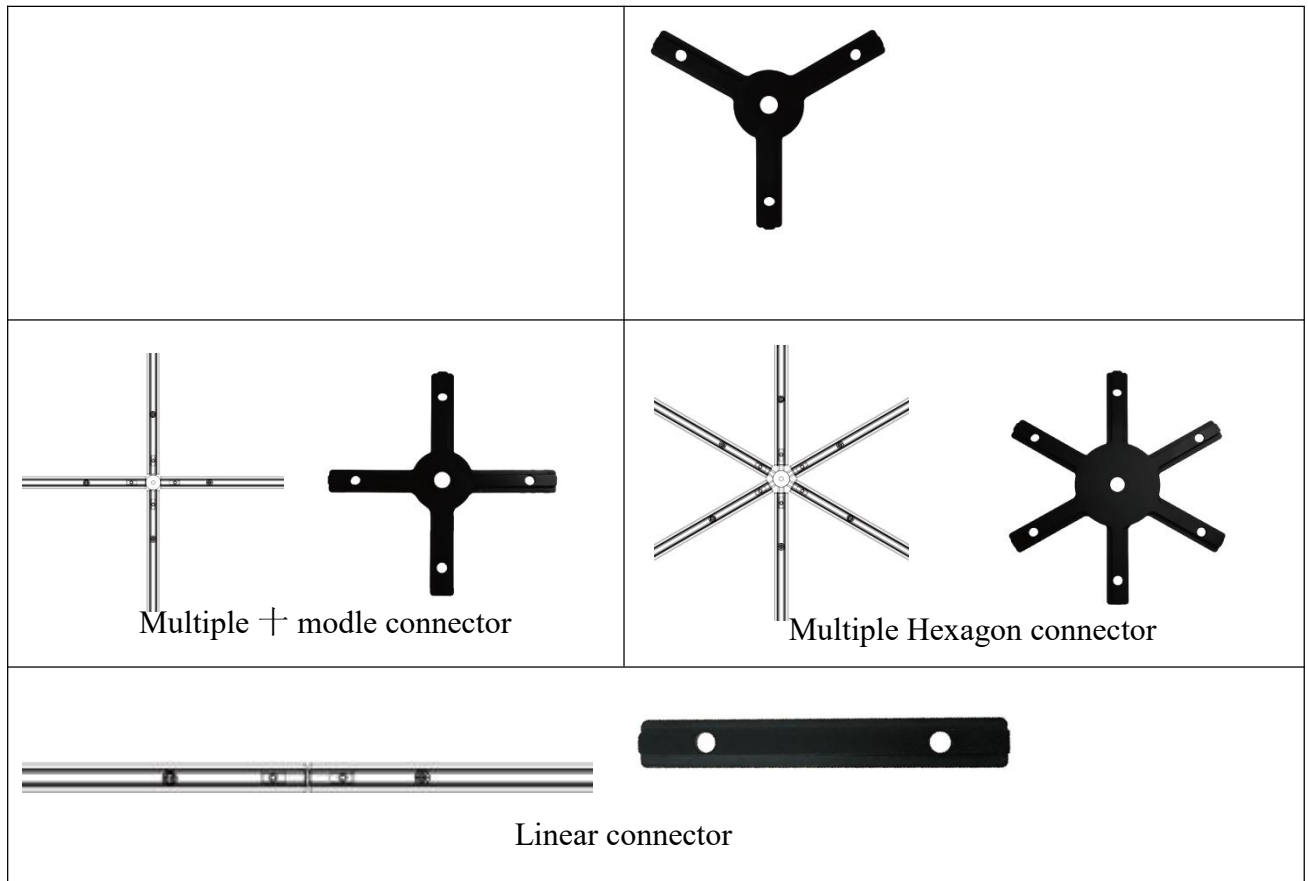


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5. The LED bar can be seamlessly connected through seamless connector, which is simple and convenient for building shapes.
6. Various installation methods: it can be installed on the wall with wall clamps, or it can be installed on the bracket with D20/D50 hooks, and the angle can be adjusted at will.



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Wall clamps installation	D20/D50 Hook installation
	
With the wall clamps, it can be installed and fixed on the wall;	With hook, it can be installed and fixed on the truss, and the angle can be adjusted at will

7. Cable clamp design: The led bar is equipped with detachable cable clamp to facilitate fixing the cables during installation and make the line layout more regular.





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Connection and control

1. Connection method

Picture	Description
	Connect the led bar with controller: The XLR cable connects with the output port of the controller and the input cable of the led bar (male connector is input, and female connector is output).
	Connect the controller with software: Connect the signal input port of the controller via network cable.
	Connect the controller with console: Connect the console and the controller through the signal conversion board.

2. Load capacity of different extension cables (connection cables, without/with amplifier)

Extension cable	Connection conditions	Quantity
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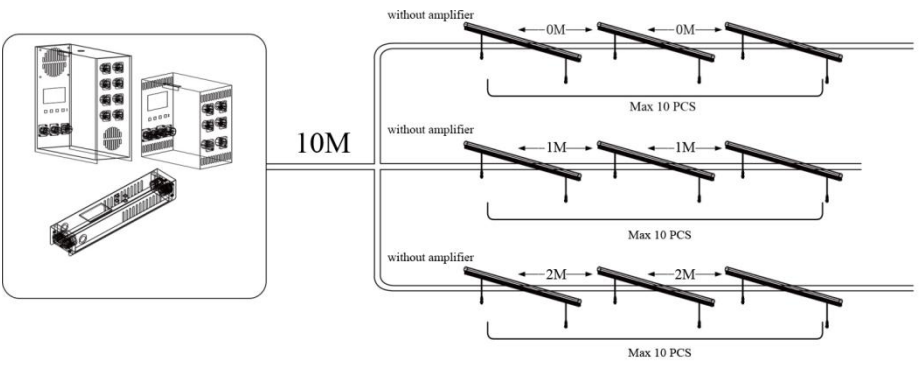


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10M extension cable	no extension cable between led bar pro + without amplifier	10PCS
	1m extension cable between led bar pro + without amplifier	10PCS
	2m extension cable between led bar pro + without amplifier	10PCS
		
15M extension cable	no extension cable between led bar pro + without amplifier	7PCS
	1m extension cable between led bar pro + without amplifier	7PCS
	2m extension cable between led bar pro + without amplifier	7PCS

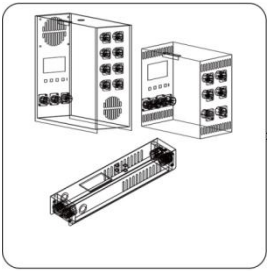
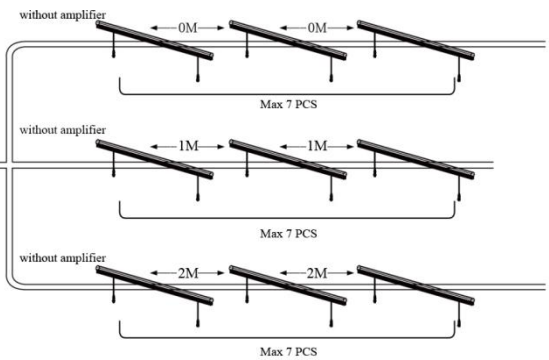
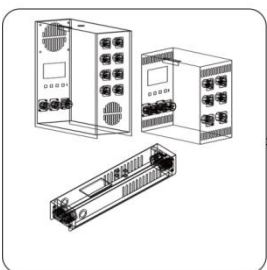
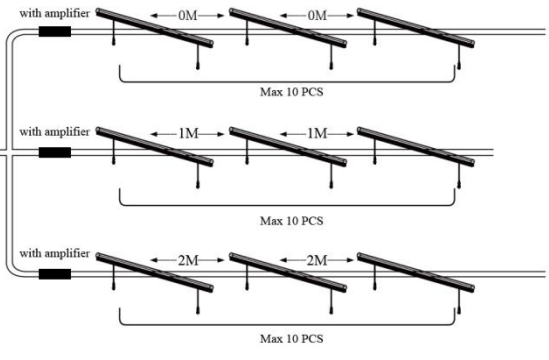


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	with amplifier + no extension cable between led bar pro	10PCS
	with amplifier + 1m extension cable between led bar pro	10PCS
	with amplifier + 2m extension cable between led bar pro	10PCS
		

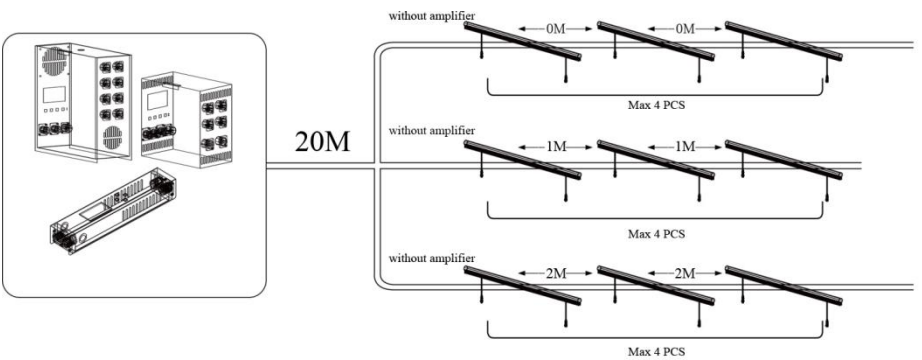


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20M extension cable	with amplifier + no extension cable between led bar pro	4PCS
	with amplifier + 1m extension cable between led bar pro	4PCS
	with amplifier + 2m extension cable between led bar pro	4PCS
		
	with amplifier + no extension cable between led bar pro	10PCS
	with amplifier + 1m extension cable between led bar pro	10PCS
	with amplifier + 2m extension cable between led bar pro	8PCS

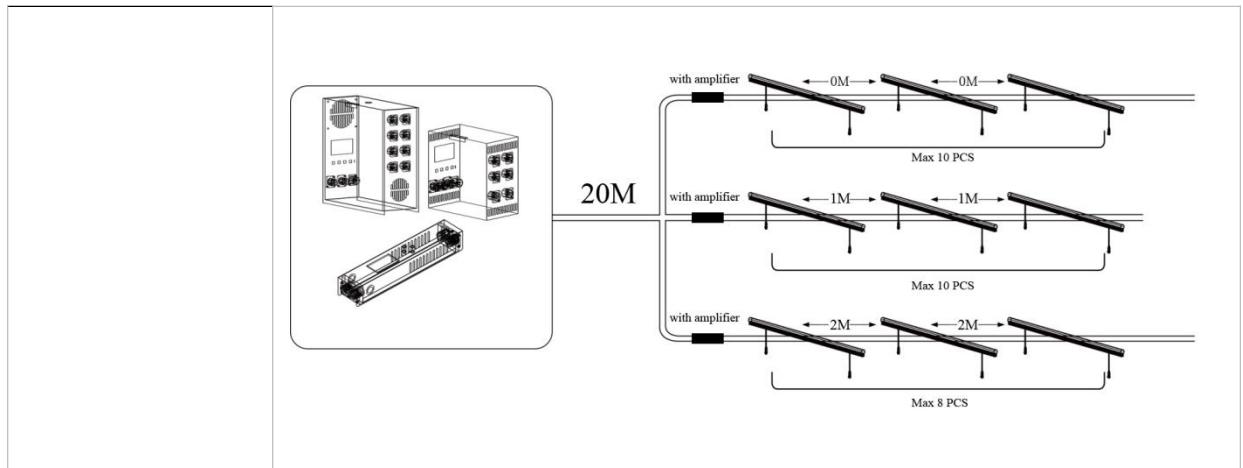


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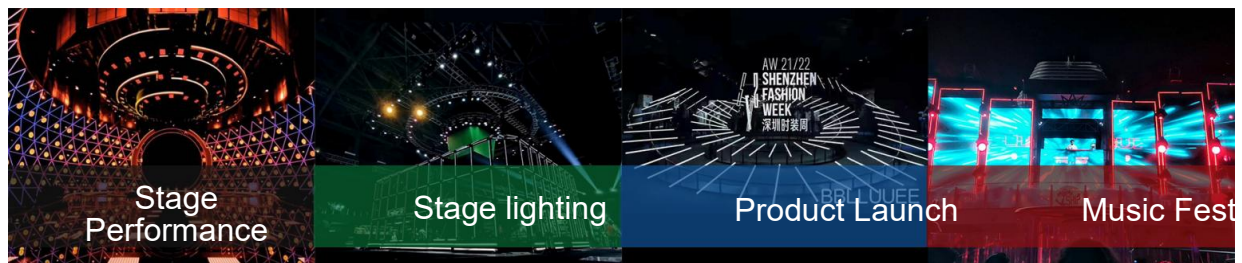
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Application scenario

1. Stage lighting design and atmosphere creation, such as the Suzhou Robot Fighting Competition and the Guangzhou Radio National Music Festival.
2. Bar atmosphere lighting.
3. Linear contour lighting for music festivals, concerts, and advertising screens, such as the Malaysia Music Festival.
4. Nightscape decoration for parks.
5. Lighting for product launches, such as the Shenzhen Fashion Week launch.



Flight Case Packaging

High Strength and Durability: Flight cases are typically constructed with high-quality aluminum alloy frames and high-density fiberboard. They offer a sturdy structure and strong impact resistance, effectively withstanding collisions, crushing,



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and bumps during transportation, protecting the contents from damage.

Good protective performance: It has excellent sealing performance, which can effectively block the intrusion of external factors such as dust, moisture, and rain, and protect the items in the box (such as precision instruments, electronic equipment, valuables, etc.) from moisture and pollution.

Easy to transport: Equipped with sturdy handles and rollers (such as universal wheels), it is convenient for manual handling and pushing. The neat structure makes it easy to stack and store, saving storage space.

Support customization: can be customized according to the size, shape, weight and special protection requirements of the product





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Notice:

- 1. Pre-Installation Requirements:** Before installing the product, be sure to carefully read the product manual and familiarize yourself with the installation process and operating instructions.
 - 2. Key Points for Port Identification:** The pin end of the waterproof connector is the input port, and the socket end is the output port. Ensure accurate identification when connecting to avoid reverse connections.
 - 3. Power Supply and Wiring Specifications:**
 - The product must be powered by a power supply that matches the voltage indicated on the product. Using a power supply with an incompatible voltage is strictly prohibited.
 - The wiring sequence must strictly follow the markings on the product to ensure correct wiring.
 - 4. Circuit Protection Tips:** In switching circuits, measures must be taken to prevent the generation of transient high voltages. If transient high voltages exceed the load operating voltage, the product may burn out.
 - 5. Cascading Instructions:** When cascading a series of multiple meters, voltage drop protection must be implemented to ensure proper operation.
 - 6. Programming Requirements:** When programming product effects, ensure that the IC model matches the product model. Incompatible IC models will affect product operation.
 - 7. Waterproofing and Anti-corrosion Measures:**
 - To ensure waterproofing and corrosion resistance, after inserting the power cord into the connector, it is recommended to apply neutral silicone sealant or inject waterproof grease into the connector to cover the exposed copper wire of the power cord for protection.
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- After using the product outdoors for a period of time, it is recommended to plug it in and run it in black mode for a period of time. It will be helpful to make the heat generated by the device to dry out the remaining moisture, and effectively preventing damage to the led lamp caused by moisture accumulation.

8. Operating Environment Requirements: Pay attention to the operating environment of the product and ensure it is waterproof and moisture-proof to prevent environmental factors from affecting product performance.

9. Warranty Coverage: The company does not provide warranty coverage for product failures caused by human damage or natural disasters.