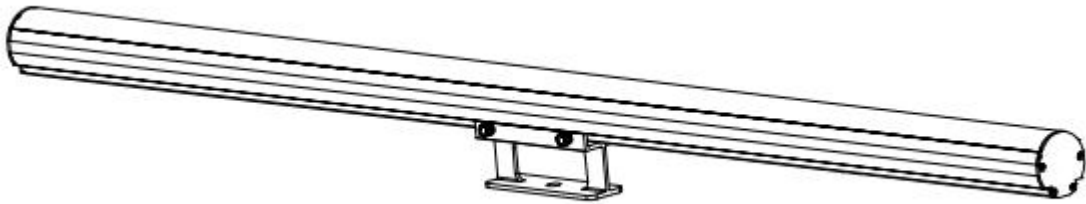




Golden Cudgel PL4003



Safety Notes :

Read all the following Safety Notes before working with this product. These notes include important information about the installation, usage, and maintenance of this product.

 This icon indicates critical installation, configuration, or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, damage third-party equipment, or cause harm to the user.

 There are no user-serviceable parts in this product. Any reference to servicing in this guide applies only to properly certified technicians. Do not open the housing or attempt any repairs

Please refer to all applicable local codes and regulations for proper installation of this product.

- Always disconnect this product from its power source before servicing.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing during operation because it may be very hot.
- Do not operate this product if you see damage on the housing, lenses, or mounting bracket. Have any damaged parts replaced by a certified technician at once. In the unlikely event that your product may require service, contact Technical Support.
- Do not cover the ventilation slots when operating to avoid internal overheating.
- The maximum ambient temperature is 104 °F (40 °C). Do not operate this product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!

Thank you for choosing our lighting equipment. For your own safety, please read this manual before installing the equipment. This manual covers important information about installation and applications. Please follow the instructions below to install and operate the luminaire. At the same time, please keep this manual properly for future use.

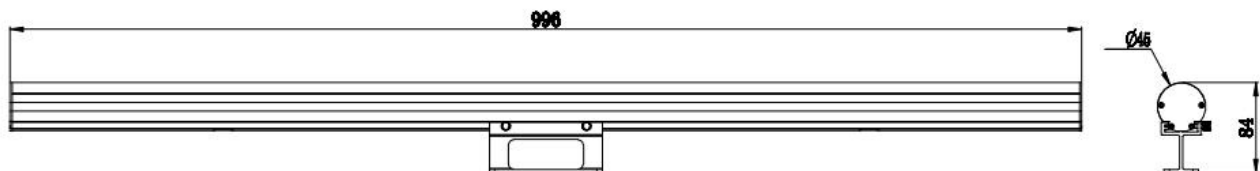
The lamp is made of a new type of high temperature resistant engineering plastics and an integrated profile cast aluminum shell, which has a good appearance. In line with the international standard DMX512 protocol, Art-Net™ and Kling-Net have independent control functions and can be connected to each other for operation. It is suitable for large-scale live performances, theaters, studios, nightclubs and discos.

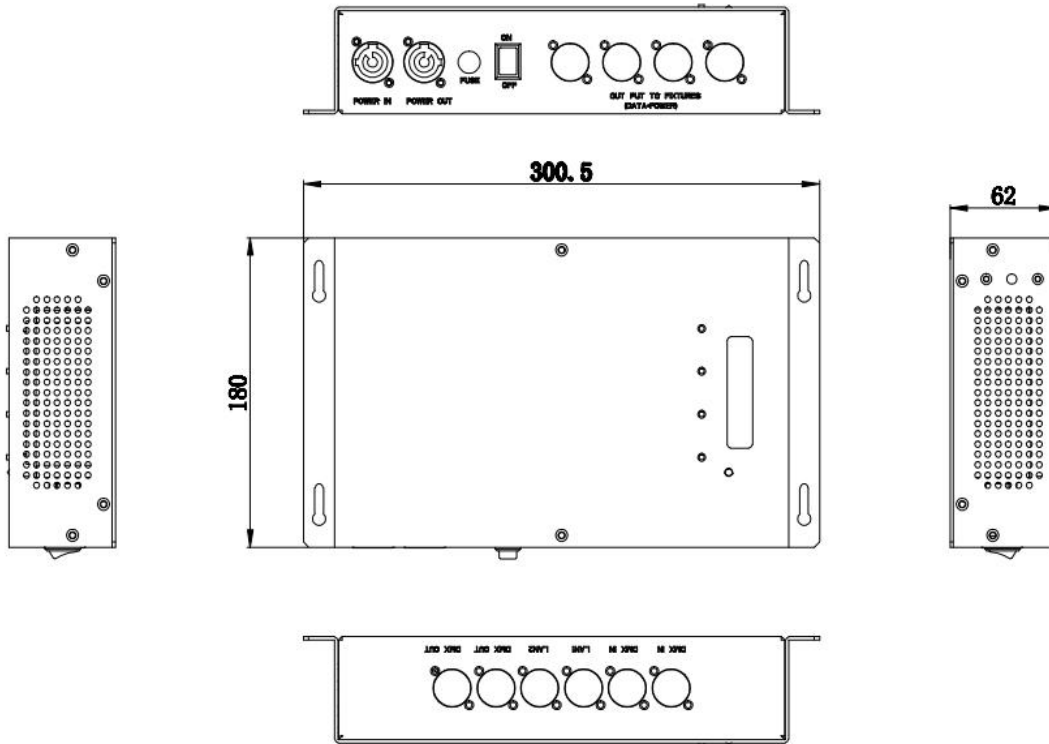
The luminaire is 3 in 1 LED (RGB). When you receive the fixture, please carefully unpack it and check it for damage during transportation. And please check whether the following items are included in the packing box:

- Pixel bar
- cable
- Handle
- Splicing piece
- manual

Product Dimensions:

产品尺寸:





Mounting Guidelines

We recommends using the following guidelines when mounting this product:

Before deciding on a location, always make sure there is easy access to the product for maintenance and programming.

Make sure that the structure or surface onto which you are mounting the product can support the product's weight

When rigging the product onto a truss, you should use a mounting clamp of appropriate weight capacity.

When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

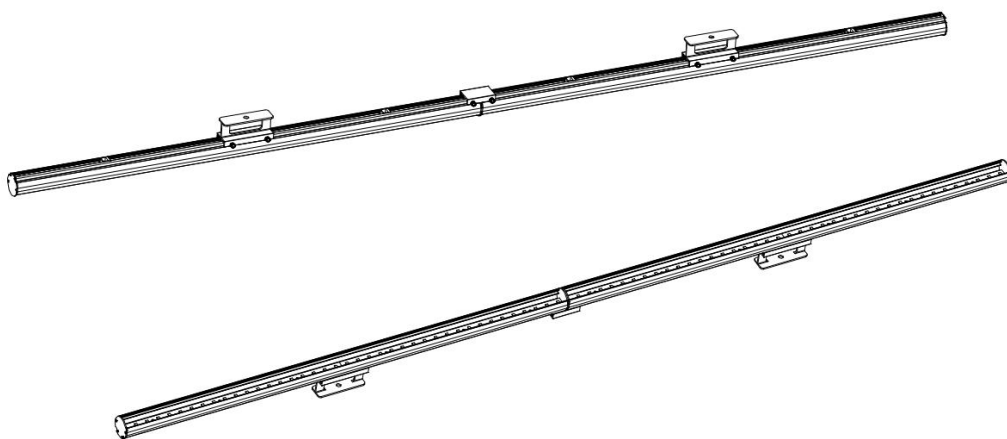
Mounting Instructions:

1. Attach the clamp to the mounting bracket.
2. Attach the clamp to the desired structure or surface.

Series accessories description

Pixel bars can be connected end-to-end, starting with a light bar point to create a pixel bar up to 4 meters long

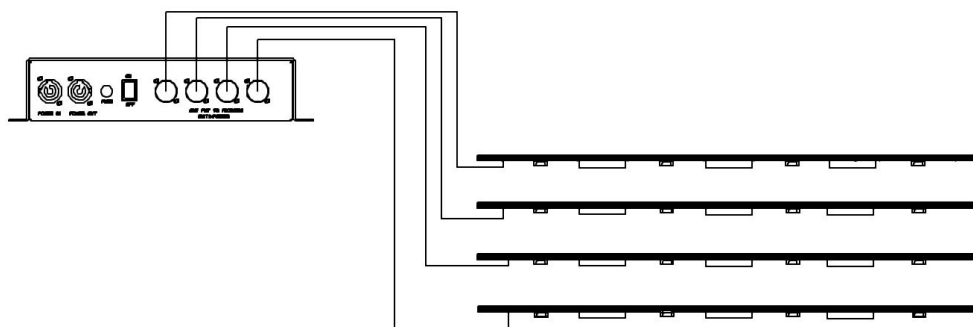
When hanging vertically and horizontally, a row can only connect up to 4 cables.
(One output network port)



Light strip and control device

4 individual import outlets with restraint device, RJ45 network outlet import terminal, network line 1st individual import light import end, 1 unit under connection, 1 light export end, 1 entry Light-row import end, can actually be the most four-row import

Below is a description of how to arrange and connect



DMX512 signal connection

A single controller can connect up to 16 pixel bars, four RJ45 network ports, and each network port can connect up to four. Multiple controllers can be connected in series with DMX512 signals, and finally connected to the console to control the lamps.

The following figure shows how to configure the connection

Schematic diagram of the connection between the controller and the light bar when using Art-Net™

Setting of the controller when using Art-Net™

When using Art-Net™, set the 4 output network ports of the controller, including: network, subnet and Universe 1-4

If 16 light bars are used on a single controller, the starting channel should remain at 1. According to the connection sequence, from the controller, each light bar will automatically have the following Art-Net™ addresses: 1, 121, 241, 361.

Technical Parameters:

Power supply: AC 100-240V, 50/60Hz

Color : RGB/Full Color mixing(16 million colors)

Individual pixel control Viewing angle:180°

Pixel pitch: 25 mm

LEDS average life span: >50,000 hours

IN/OUT power and signal through connections RJ45

MDX channel: 7/16/48/82/480CH

Universes: 4 universes

Control protocols: Art-net, K ling-net, DMX

Flicker-free constant-current 600hz LED driver

Link able in master/slave up to 4 meters

Luminous flux: frosted lens=828 NIT,transparent lens=1174 NIT

Milky white PC, transparent PC chip optional

Sliding bracket for vertical hardware for connection of more units

Electronics in full digital control with front panel and LED display

Automatic self-test function even in the absence of a console

Controller weight: 2.5 kg

Controller size:483x54x150 mm

MENU description :

140LED PIXELSTRIP	DMX Address	1-512	
	DMX MODE	7CH	
		16CH	
		48CH	
		82CH	
		480CH	
	Auto Mode	Speed	1-9
		Program	1-30
	Slave Mode	YES/NO	
	Network settings	IP Address	0.0.0.0-255.255.255.255
		Subnet Mask	0.0.0.0-255.255.255.255
		Net Subnet Unive	000.00.00-255-15-15
	Length	1-4M	
	System Reset	Reset	
	Software Version	PIXELSTRIP V1.0	

Channel mode:

7CH

CH	Values	Description
1	000 –255	Master dimmer
2	000 –255	Strobe from slow to fast
3	000 –255	Red (all the bars)
4	000 –255	Green (all the bars)

5	000 –255	Blue (all the bars)
6	000 –255	Auto programs from 1 to 30
7	000 –255	Auto programs speed

16CH

CH	Values	Description
1	000 –255	Master dimmer
2	000 –255	Strobe from slow to fast
3	000 –255	RED: B1L1 + B1L2 + B1L3 + B1L4
4	000 –255	GREEN: B1L1 + B1L2 + B1L3 + B1L4
5	000 –255	BLUE: B1L1 + B1L2 + B1L3 + B1L4
6	000 –255	RED: B2L1 + B2L2 + B2L3 + B2L4
7	000 –255	GREEN: B2L1 + B2L2 + B2L3 + B2L4
8	000 –255	BLUE: B2L1 + B2L2 + B2L3 + B2L4
9	000 –255	RED: B3L1 + B3L2 + B3L3 + B3L4
10	000 –255	GREEN: B3L1 + B3L2 + B3L3 + B3L4
11	000 –255	BLUE: B3L1 + B3L2 + B3L3 + B3L4
12	000 –255	RED: B4L1 + B4L2 + B4L3 + B4L4
13	000 –255	GREEN: B4L1 + B4L2 + B4L3 + B4L4
14	000 –255	BLUE: B4L1 + B4L2 + B4L3 + B4L4
15	000 –255	Auto programs from 1 to 30
16	000 –255	Auto programs speed

48CH

CH	Values	Description
1	000 –255	RED: B1L1
2	000 –255	GREEN: B1L1
3	000 –255	BLUE: B1L1
4	000 –255	RED: B2L1
5	000 –255	GREEN: B2L1

6	000 -255	BLUE: B2L1
7	000 -255	RED: B3L1
8	000 -255	GREEN: B3L1
9	000 -255	BLUE: B3L1
10	000 -255	RED: B4L1
11	000 -255	GREEN: B4L1
12	000 -255	BLUE: B4L1
13	000 -255	RED: B1L2
14	000 -255	GREEN: B1L2
15	000 -255	BLUE: B1L2
16	000 -255	RED: B2L2
17	000 -255	GREEN: B2L2
18	000 -255	BLUE: B2L2
19	000 -255	RED: B3L2
20	000 -255	GREEN: B3L2
21	000 -255	BLUE: B3L2
22	000 -255	RED: B4L2
23	000 -255	GREEN: B4L2
24	000 -255	BLUE: B4L2
25	000 -255	RED: B1L3
26	000 -255	GREEN: B1L3
27	000 -255	BLUE: B1L3
28	000 -255	RED: B2L3
29	000 -255	GREEN: B2L3
30	000 -255	BLUE: B2L3
31	000 -255	RED: B3L3
32	000 -255	GREEN: B3L3
33	000 -255	BLUE: B3L3
34	000 -255	RED: B4L3
35	000 -255	GREEN: B4L3
36	000 -255	BLUE: B4L3
37	000 -255	RED: B1L4

38	000 –255	GREEN: B1L4
39	000 –255	BLUE: B1L4
40	000 –255	RED: B2L4
41	000 –255	GREEN: B2L4
42	000 –255	BLUE: B2L4
43	000 –255	RED: B3L4
44	000 –255	GREEN: B3L4
45	000 –255	BLUE: B3L4
46	000 –255	RED: B4L4
47	000 –255	GREEN: B4L4
48	000 –255	BLUE: B4L4

82CH

CH	Values	Description
1	000 –255	Master dimmer B1L1
2	000 –255	Strobe from slow to fast B1L1
3	000 –255	RED: B1L1
4	000 –255	GREEN: B1L1
5	000 –255	BLUE: B1L1
6	000 –255	Master dimmer B2L1
7	000 –255	Strobe from slow to fast B2L1
8	000 –255	RED: B2L1
9	000 –255	GREEN: B2L1
10	000 –255	BLUE: B2L1
11	000 –255	Master dimmer B3L1
12	000 –255	Strobe from slow to fast B3L1
13	000 –255	RED: B3L1
14	000 –255	GREEN: B3L1
15	000 –255	BLUE: B3L1
16	000 –255	Master dimmer B4L1
17	000 –255	Strobe from slow to fast B4L1

18	000 –255	RED: B4L1
19	000 –255	GREEN: B4L1
20	000 –255	BLUE: B4L1
21	000 –255	Master dimmer B1L2
22	000 –255	Strobe from slow to fast B1L2
23	000 –255	RED: B1L2
24	000 –255	GREEN: B1L2
25	000 –255	BLUE: B1L2
26	000 –255	Master dimmer B2L2
27	000 –255	Strobe from slow to fast 2B2L2
28	000 –255	RED: B2L2
29	000 –255	GREEN: B2L2
30	000 –255	BLUE: B2L2
31	000 –255	Master dimmer B3L2
32	000 –255	Strobe from slow to fast B3L2
33	000 –255	RED: B3L2
34	000 –255	GREEN: B3L2
35	000 –255	BLUE: B3L2
36	000 –255	Master dimmer B4L2
37	000 –255	Strobe from slow to fast B4L2
38	000 –255	RED: B4L2
39	000 –255	GREEN: B4L2
40	000 –255	BLUE: B4L2
41	000 –255	Master dimmer B1L3
42	000 –255	Strobe from slow to fast B1L3
43	000 –255	RED: B1L3
44	000 –255	GREEN: B1L3
45	000 –255	BLUE: B1L3
46	000 –255	Master dimmer B2L3
47	000 –255	Strobe from slow to fast B2L3
48	000 –255	RED: B2L3
49	000 – 255	GREEN: B2L3

50	000 – 255	BLUE: B2L3
51	000 – 255	Master dimmer B3L3
52	000 – 255	Strobe from slow to fast B3L3
53	000 – 255	RED: B3L3
54	000 – 255	GREEN: B3L3
55	000 – 255	BLUE: B3L3
56	000 – 255	Master dimmer B4L3
57	000 – 255	Strobe from slow to fast B4L3
58	000 – 255	RED: B4L3
59	000 – 255	GREEN: B4L3
60	000 – 255	BLUE: B4L3
61	000 – 255	Master dimmer B1L4
62	000 – 255	Strobe from slow to fast B1L4
63	000 – 255	RED: B1L4
64	000 – 255	GREEN: B1L4
65	000 – 255	BLUE: B1L4
66	000 – 255	Master dimmer B2L4
67	000 – 255	Strobe from slow to fast B2L4
68	000 – 255	RED: B2L4
69	000 – 255	GREEN: B2L4
70	000 – 255	BLUE: B2L4
71	000 – 255	Master dimmer B3L4
72	000 – 255	Strobe from slow to fast B3L4
73	000 – 255	RED: B3L4
74	000 – 255	GREEN: B3L4
75	000 – 255	BLUE: B3L4
76	000 – 255	Master dimmer B4L4
77	000 – 255	Strobe from slow to fast B4L4
78	000 – 255	RED: B4L4
79	000 – 255	GREEN: B4L4
80	000 – 255	BLUE: B4L4
81	000 – 255	Auto programs from 1 to 30

82	000 – 255	Auto programs speed
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480CH

CH	Values	Description
1	000 – 255	RED: Px1B1L1 + Px1B1L2 + Px1B1L3 + Px1B1L4
2	000 – 255	GREEN: Px1B1L1 + Px1B1L2 + Px1B1L3 + Px1B1L4
3	000 – 255	BLUE: Px1B1L1 + Px1B1L2 + Px1B1L3 + Px1B1L4
4	000 – 255	RED: Px2B1L1 + Px2B1L2 + Px2B1L3 + Px2B1L4
5	000 – 255	GREEN: Px2B1L1 + Px2B1L2 + Px2B1L3 + Px2B1L4
6	000 – 255	BLUE: Px2B1L1 + Px2B1L2 + Px2B1L3 + Px2B1L4
...
118	000 – 255	RED: Px40B1L1 + Px40B1L2 + Px40B1L3 + Px40B1L4
119	000 – 255	GREEN: Px40B1L1 + Px40B1L2 + Px40B1L3 + Px40B1L4
120	000 – 255	BLUE: Px40B1L1 + Px40B1L2 + Px40B1L3 + Px40B1L4
121	000 – 255	RED: Px1B2L1 + Px1B2L2 + Px1B2L3 + Px1B2L4
122	000 – 255	GREEN: Px1B2L1 + Px1B2L2 + Px1B2L3 + Px1B2L4
123	000 – 255	BLUE: Px1B2L1 + Px1B2L2 + Px1B2L3 + Px1B2L4
124	000 – 255	RED: Px2B2L1 + Px2B2L2 + Px2B2L3 + Px2B2L4
125	000 – 255	GREEN: Px2B2L1 + Px2B2L2 + Px2B2L3 + Px2B2L4
126	000 – 255	BLUE: Px2B2L1 + Px2B2L2 + Px2B2L3 + Px2B2L4
...
479	000 – 255	GREEN: Px40B4L1 + Px40B4L2 + Px40B4L3 + Px40B4L4
480	000 – 255	BLUE: Px40B4L1 + Px40B4L2 + Px40B4L3 + Px40B4L4

Expected LED Lifespan

Over time, the brightness of the LED will gradually decrease, mainly due to heat. Compared with the package of groups, the operating temperature of the LED is higher than the ideal single LED condition. Therefore, using cluster LEDs at maximum intensity greatly shortens the lifespan of the LEDs. Under normal circumstances, the life span can be 40,000 to 50,000 hours.

If it is necessary to extend the service life, reduce the operating temperature by improving the ventilation around the product and reducing the ambient temperature to the optimal operating range. In addition, limiting the overall luminaire brightness may also help extend the life of the LED