Data Sheet

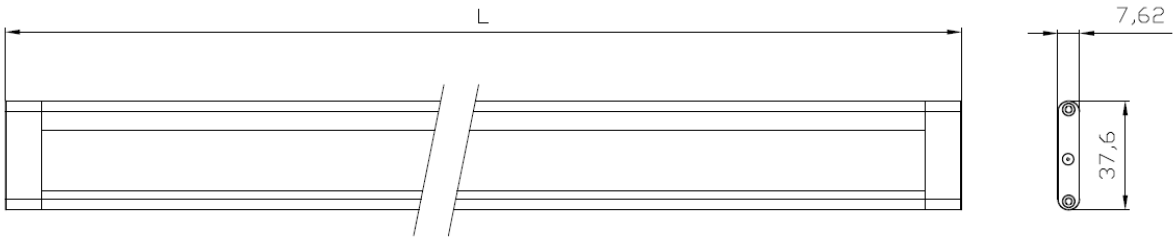
C15 Flat Small LED Panel Light

Model: C15



Size

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CLEDLIGHT's C15 Cambered Linear LED Light is perfect for installation in showcases, display case or furniture. This Linear LED Light is especially applied to hidden/ covert installation. After processed by special optical system, this kind of flat linear light indeed becomes a continuous well-proportioned linear light source

Advantages

- Energy saving up to 50% compared with traditional fluorescent under the same flux
- Life Span–over 50,000 hours

- Available in cool white, natural white, and warm white color temperatures;
- Standard length: L1=300MM, L2=500MM and L3=1000MM, and customized length is also available. Standard finish color: white or silver, and customized color is also available.
- Easy linking up to 45 watts per run and up to 3 meters when connected in series.
- Easy installation with only 2 screws.
- Low voltage, more safety..
- Warranty: 5 years.

Applications

LED show case lighting; LED shelf lighting; LED retail product Lighting; LED Furniture Lighting; LED bookcase lighting; LED wardrobe lighting; LED wine cabinet lighting; LED under cabinet lighting; LED kitchen cabinet lighting;

Technical Operating Data

Model No.	length	Number of leds	Voltage	Power	Radiance	Color Temp.	Luminous Flux
	[mm]	[pcs]	[Vdc]	[W]	Angle [°]	[K]	[lm]*
C15L8"	L=203	35	24	3.5	180	2700-6500k	**210**
C15L12"	L=300	49	24	5	180	2700-6500k	**300**
C15L16"	L=406	63	24	6.5	180	2700-6500k	**390**
C15L20"	L=500	77	24	8	180	2700-6500k	**480**
C15L24"	L=610	98	24	10	180	2700-6500k	**600**
C15L32"	L=813	133	24	13.5	180	2700-6500k	**810**
C15L40"	L=1000	147	24	15	180	2700-6500k	**900**

Dimensions: 37.6mm (width) x 7.62mm (height) x “L”
Materials: Aluminum extrusion with plastic end caps, Acrylic Lens
Light Source: High brightness SMD3014 LED
Operating Temperature: -20°C to 40°C - Indoors
Installation: 2 M2.6x10 screws make it easy to install

Standard package: LED light and accessories.

Standard package includes: 1 piece of LED light, 1 piece of cable connector , 1 piece of plastic connector, 2pcs of screws and 2 piece of clips.

C15 LINEAR LED LAMP (1 piece)

2 piece of clips



M2.6x10 screws



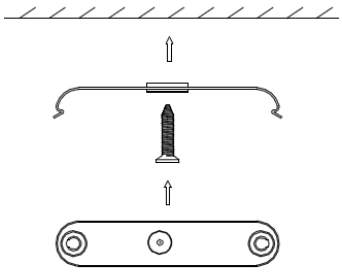
C1501 PLASTIC CONNECTOR (1 piece)



AC01 CABLE CONNECTOR



Installation:



Fix the mounting clips with M2.6*10 screws onto the place where the LED light needs to be installed

Usage:

1. **Basic Usage: One power supply driver one led fixture.**

2. **Using Plastic connector and cable connector to connect the LED lights.**

Based on the above usage, using plastic connector and cable connector can make LED LIGHTS interconnection , please refer to the picture as below.

C1501 plastic connector





AC01 cable connector





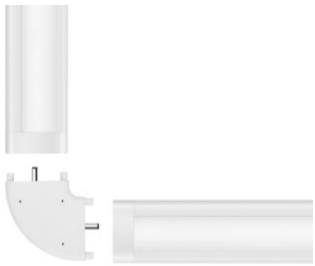
Please note that the total power of the connected light shall not exceed the total power of the power supply.

3. **Using corner connector or elevation angle connector to connect the LED lights.**

C1502 corner connector



A right-angle connector to connect the lamps



C1503 elevation angle



Used to connect the lamps in the corner



4. Power supply usage instruction

The following table shows how many lamps the power supply can drive respectively. You can select suitable power supply according to the power per run.

Power Supply	C15L8"	C15L12"	C15L16"	C15L18"	C15L20"	C15L24"	C15L32"	C15L36"	C15L40"
6W	1	1	XX	XX	XX	XX	XX	XX	XX
12W	3	2	1	1	1	1	XX	XX	XX
24W	6	4	3	3	3	2	1	1	1
36W	10	7	5	4	4	3	2	2	2

Remarks:

1. The standard package of LED light doesn't include power supply, but we can offer the power supply in separated package in different models for your choice.
2. The power of power supply must be over the total power of connected LED lights in series.
3. The voltage of constant-voltage power supply must be same as the voltage of LED lights. The output voltage of power supply can't be allowed to be higher than the input voltage of LED light. If you choose to use other power supply, the power supply must have short circuit protection, overload protection, overheat protection besides the above requirements.

5. Packing Information:

Product	Color box* size	Carton size	Units/ carton	Net weight [Kg]	Gross weight [Kg
C15L8"	250X34X23	270(length）X220（width）X230（height）	40	4	5
C15L12"	350X34X23	370(length）X220（width）X230（height）	40	5	6
C15L16"	450X34X23	470(length）X220（width）X230（height）	40	6	7.0
C15L18"	500X34X23	520(length）X220（width）X230（height）	40	7	8
C15L20"	550X34X23	570(length）X220（width）X230（height）	40	9.5	10.5
C15L24"	650X34X23	670(length）X220（width）X230（height）	40	11	12
C15L32"	850X34X23	870(length）X220（width）X230（height）	40	15	16.5
C15L36"	950X34X23	970(length）X220（width）X230（height）	40	17	18
C15L40"	1050X34X23	1070(length）X220（width）X230（height）	40	18.5	19.5
Power supply(6w)	76X61X46	250(length）X170（width）X270（height）	40	2.5	3.0
Power supply(12w)	136x58x77	315(length）X290（width）X340（height）	40	8.4	8.9
Power supply(24w)	136x58x77	315(length）X290（width）X340（height）	40	10.0	10.5
Power supply (36w)	136x58x77	315(length）X290（width）X340（height）	40	10.0	10.5
C15 connector	76X61X46	250(length）X170（width）X270（height）	360	2.7	3.2
cable	76X61X46	250(length）X170（width）X270（height）	120	2	2.5
C15 Master switch	76X61X46	250(length）X170（width）X270（height）	240	2.7	3.2
C15 Touch dimmer	76X61X46	250(length）X170（width）X270（height）	240	4.2	4.7
C15 DC Junction box	76X61X46	250(length）X170（width）X270（height）	240	2.9	3.4
4-way splitter	76X61X46	250(length）X170（width）X270（height）	120	2.5	3
8-way spliiter	76X61X46	250(length）X170（width）X270（height）	120	3.2	3.7
dimmer	76X61X46	250(length）X170（width）X270（height）	60	2.2	2.7

C15 extended accessories:

Except the standard accessories, we also can offer optional extended accessories of C15 system for your choice to get more various functions. For example: sensor, dimmer and switch, etc



C1504 touch dimmer

D01 DIMMER



P01 PIR SENSOR



AC02 4/8 WAY SPLITTER



Installation instructions of extended accessories

1. C1504 touch dimmer with dimmer and switch function





Operation:

1. Touch the power icon [] on the body to turn ON/OFF the system at any time.
2. The initial brightness is fixed at 100% when the system is first powered up.
3. When the light is on, the brightness can be adjusted by touching and holding the power icon for more than 0.5 seconds.
4. If the power to the dimmer is uninterrupted, the light level will be memorized when the system is turned off and then on again.
5. The dimmer switch can control all the connected LED lights in a series.

2. Dimmer: with dimmable and switch function





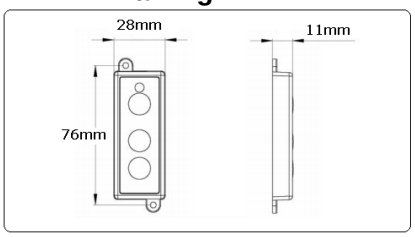
Installation Instructions:

1. Use the screws provided to secure the Dimmer to the mounting surface.
2. Connect the output to the LED light
3. Connect the power supply to the input side of the Dimmer.
4. This dimmer can be used in the place where the distance is less than 1 meter from the LED light

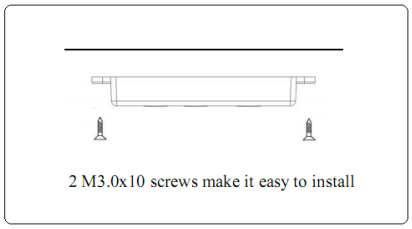
Operation:

1. Press the on/off switch.
2. The initial brightness is fixed at 100% when the system is first powered up.
3. When the light is on, the brightness can be adjusted by touching and holding the power icon for more than 0.5 seconds.
4. If the power to the dimmer is uninterrupted, the light level will be remembered when the system is turned off and then on again.
5. The dimmer switch can control all the connected LED lights in a series.

Drawing:



Installation information:



2. P01 Pir Sensor : With automatic sensor function.





Installation Instructions:

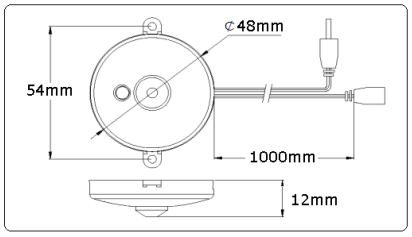
1. Use the screws provided to secure the Sensor to the mounting surface.
2. Connect the output to the LED light
3. Connect the power supply to the input side of the Sensor.
4. This PIR sensor can be used in the place where the distance is less than 3 meter from the LED light.

Technical Features:

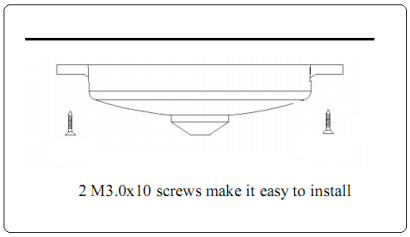
Dimensions: ¢48mm X 12mm
Operating Temperature: -20°C to 40°C - Indoors
Installation: Use 2 M3.0x10 screws
Input/ Output voltage : DC12V or DC24V
Related load wattage: Max 24W in 12V or 36W in 24V
Detection Distance: 2m
Detection Range: 120°

Delay time: Standard is 30 seconds (can design in 1s ~20 minutes as customers' request)
Ambient light: <10 lux daylight .

Drawing:



Installation information:



Functional information：

1. Automatic detection: when people enter the active zone, infrared ray detector will output 12V or 24V and the light turns on.
2. Delay function: when people leave the active zone or people stay still, the light will turn off after 30 seconds.
3. Continuous detection: when people have activities during the period of delay time, the detector works and the light is always on.
4. Light sensitive control: The PIR Motion Sensor has two sensitive parts, one is infrared ray sensitive part, and the other is light sensitive parts. So it works when people enter in the active zone in the daylight luminance is less than 10 lux.

3 AC02W 4/8 WAYSPLITTER.



You can use AC02W 4/8 WAYSPLITTER when one power supply needs to driver many pieces of lights.

