

Light Bar-LS

High Lumen

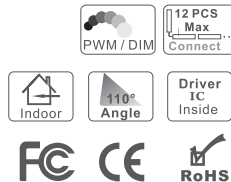
High Power LED Light Bar with Eco-friendly and Small Footprint



Constant current driver IC inside



Ultra thin heat-sink and patented connecting design



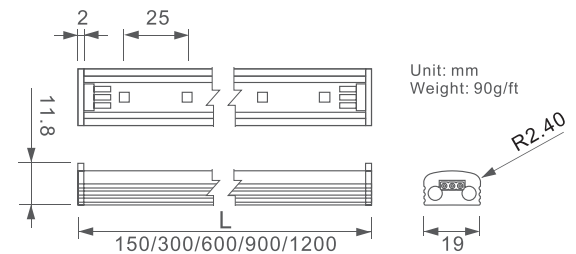
Features

- » Patented modular design
- » Extendable, maximum 12pcs (30cm) per channel
- » No dark zones and seamless connection
- » Built-in LED driver for stable and uniform light output
- » Built-in dimming circuit for brightness control
- » No-polarity design, free of wrongly installation
- » No UV/IR, low heat and long lifetime
- » Lengths: 15, 30, 60, 90 and 120cm available
- » CE and RoHS certified

Applications

- » Cabinet, Undercabinet, Bookshelf, Cupboard, Showcase, Cove lighting, etc.

Dimensions



Specifications

Model No.	LED Color	Color Temp	Operating Voltage	Length	Total Power	Flux ^{*(±15%)}	Viewing Angle
GL-L401IA	Cool White	5000~6300K	24V DC	15cm	1.65 W	95~125 lm	110°
GL-L401IB	Warm White	2600~3000K				68~90 lm	
GL-L403IA	Cool White	5000~6300K	24V DC	30cm	3.3 W	190~250 lm	110°
GL-L403IB	Warm White	2600~3000K				135~180 lm	
GL-L406IA	Cool White	5000~6300K	24V DC	60cm	6.6 W	380~500 lm	110°
GL-L406IB	Warm White	2600~3000K				270~360 lm	
GL-L409IA	Cool White	5000~6300K	24V DC	90cm	9.9 W	570~750 lm	110°
GL-L409IB	Warm White	2600~3000K				405~540 lm	
GL-L412IA	Cool White	5000~6300K	24V DC	120cm	13.2 W	760~1000 lm	110°
GL-L412IB	Warm White	2600~3000K				540~720 lm	

*12V DC input available

Accessories

No	Model	Description
1	LS-PP	LightBar seamless type connector
2	LS-PLP-L25	25 cm connection cable between LightBar
	LS-PLP-L50	50 cm connection cable between LightBar
	LS-PLP-L100	100 cm connection cable between LightBar
	LS-PLP-L150	150 cm connection cable between LightBar
3	LS-PLP-UJ	U-shape jumper between LightBar
4	LS-PL-L30	30 cm power line for LightBar
5	LS-PL-L50RA	50 cm right angel power line for LightBar
	LS-PL-L183RA	183 cm right angel power line for LightBar
6	LS-M1	Flat type mounting clip (including screw)
7	LS-DCC4000	Dimmer Box (4 channels)

Illustrations for connection

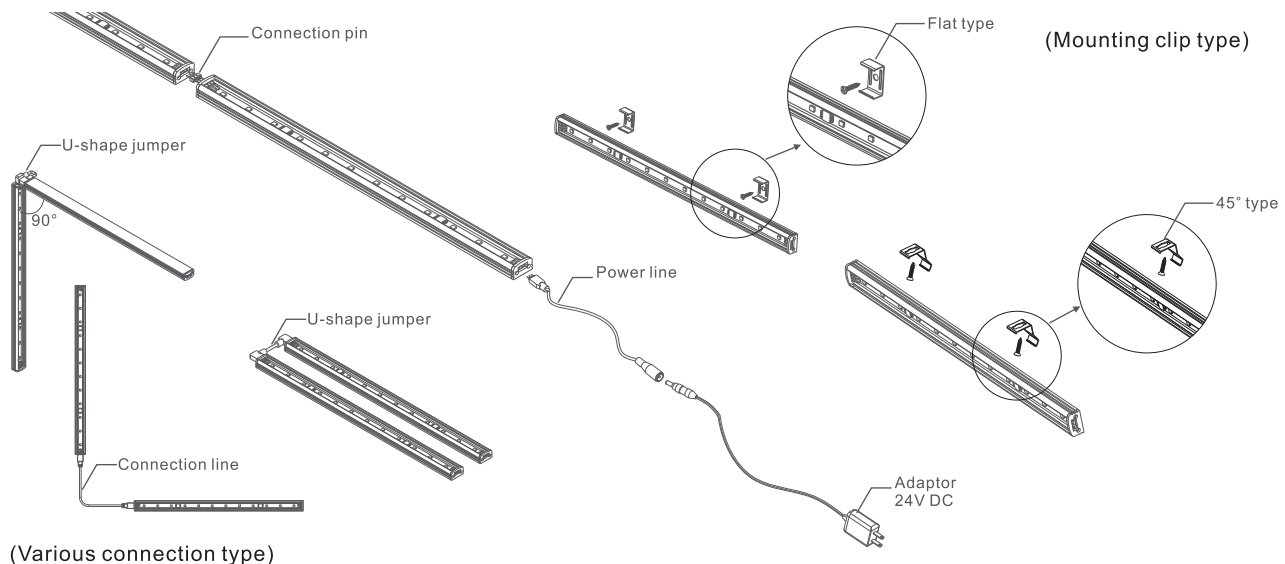
(A) Seamless type



(B) Cable type

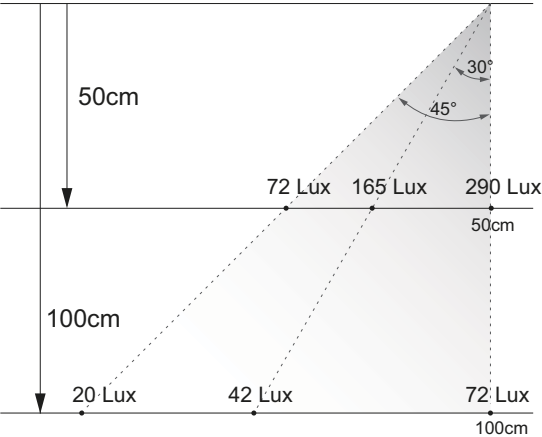


Installation Guide

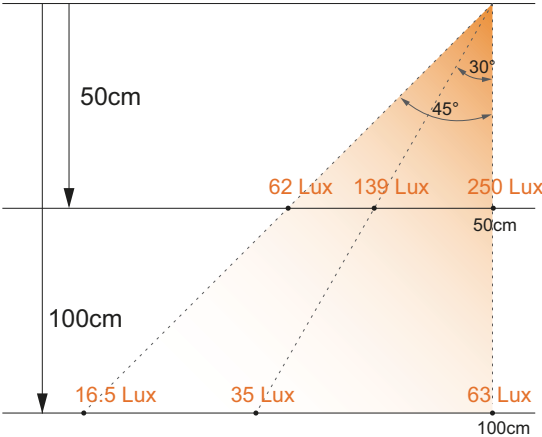


■ Illumination chart

LS-LB21, 3.3W/ft, Epi-star
LS-LB21-CW-L30



LS-LB21-WW-L30



* 15cm=0.5×30cm; 60cm=1.65×30cm; 90cm=2.15×30cm; 120cm=2.25×30cm @50cm * 15cm=0.5×30cm; 60cm=1.85×30cm; 90cm=2.70×30cm; 120cm=3.5×30cm @1M

■ Adaptor

No	Model No.*	Type	Plug Type	Output(W)	Input(V)	Output(V/Imax)
1	GP-AS024N-24-US	Wallmount	US	24Watt	100~240VAC	24VDC/1.0A
2	GP-AS024N-24-EU	Wallmount	Euro	24Watt	100~240VAC	24VDC/1.0A
3	GP-AS060N-24-US	Desktop	US	60Watt	100~240VAC	24VDC/2.5A
4	GP-AS060N-24-EU	Desktop	Euro	60Watt	100~240VAC	24VDC/2.5A
5	GP-ES320P-24	Enclosure	N/A	320Watt	100~240VAC	24VDC/13A

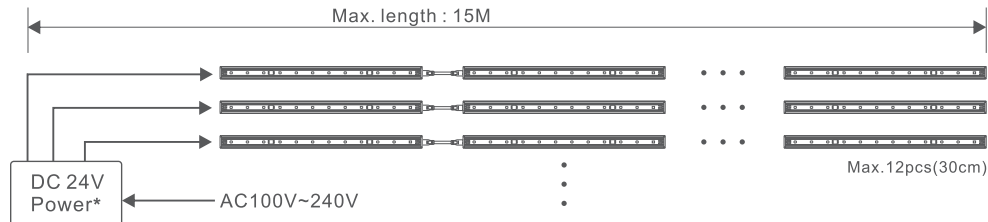
* Each model may have more than one vendor to supply equivalent product



Single channel Application



Multiple channel Application

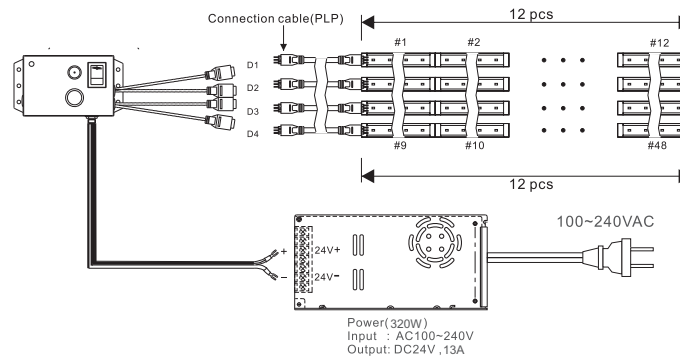
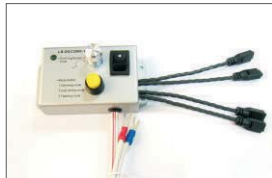


*DC 24V power selection guide: Total wattage > (LightBar total wattage) * 1.3

Dimming Application

No	Model No.	Description
1	LS-DCC4000	4 channels dimmer for LightBar (Max. 12pcs(30cm)/ch, total 48pcs.

LS-DCC4000



Accessories

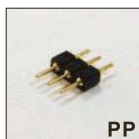
What can you select?



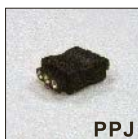
PLP



PLP-UJ



PP



PPJ



MCJ



M1/M2



Dimmer



PLP-FM



PL



PL-SW



Adaptor



Power Supply

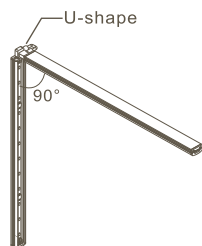
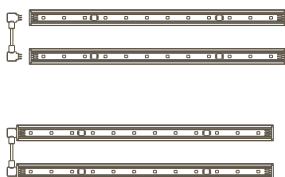
How to use them?

(A) Connection Cable & Joint

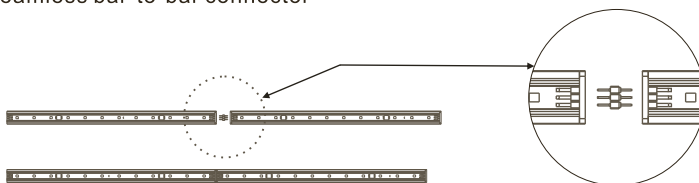
PLP: Medium range bar-to-bar connection cable



PLP-UJ: Compact bar-to-bar connection cable



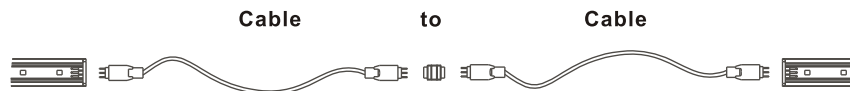
PP: Seamless bar-to-bar connector



Accessories

(A) Connection Cable (cont.)

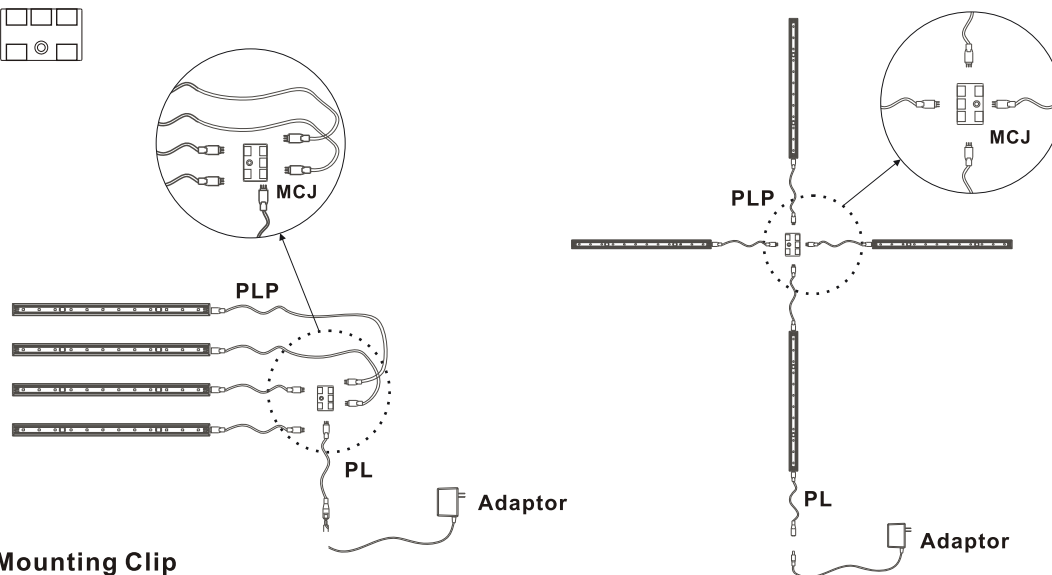
PPJ: Cable-to-cable extension joint



PLP-FM: For extension joint

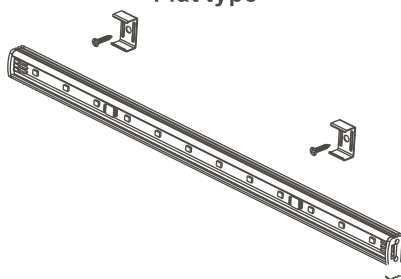


MCJ: Multiple cable-to-cable extension joint

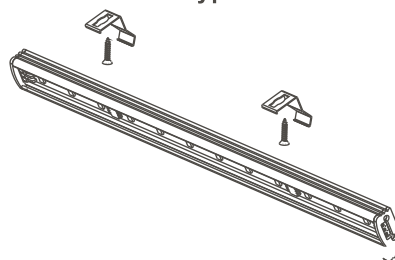


(B) Mounting Clip

Flat type



45° type



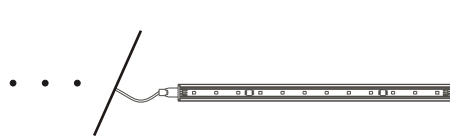
Accessories

(C) Power Line (PL) & Power Supply

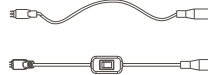
PL: Bar-to-adaptor connection cable



PL-SW: Bar-to-adaptor connection cable with inline switch



PL



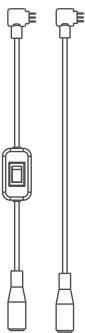
Adaptor



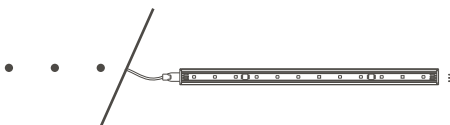
PL-RA: Bar-to-adaptor connection cable (Right angel pin-plug)



PL-RASW: Bar-to-adaptor connection cable with inline switch (Right angel pin-plug)

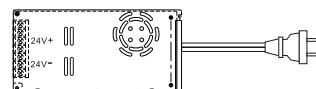


PL-W: Bar-to-power connection wire (With 2-wire out)



PL-W

Power Supply



Accessories

(D) Dimmer

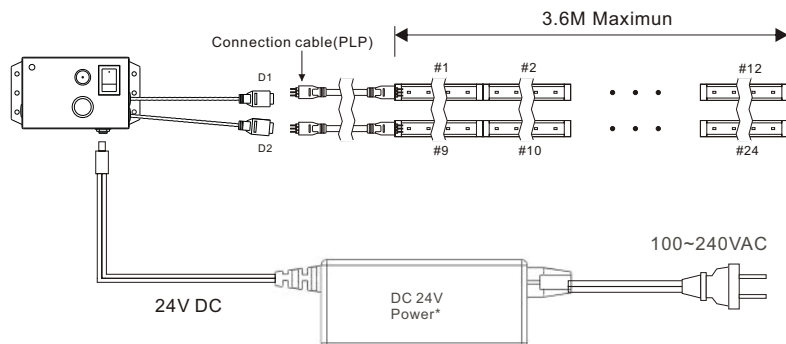
LS-DCC2000



LS-DCC4000

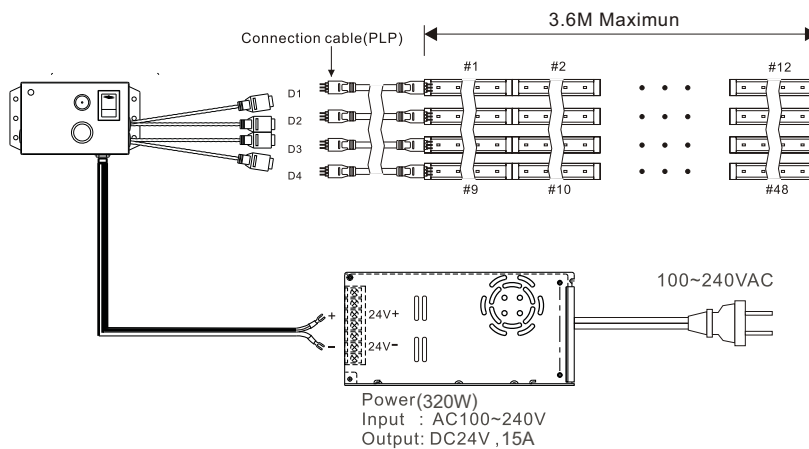


LS-DCC2000 : Proprietary dimming controller for LightBar (2 channels)
(Max.40W per channel)



*DC 24V power selection guide: Total wattage > (LightBar total wattage) * 1.3

LS-DCC4000 : Proprietary dimming controller for LightBar(4 channels)
(Max.40W per channel)



Accessories

(E) Mini touch dimmer

LS-SDC1000



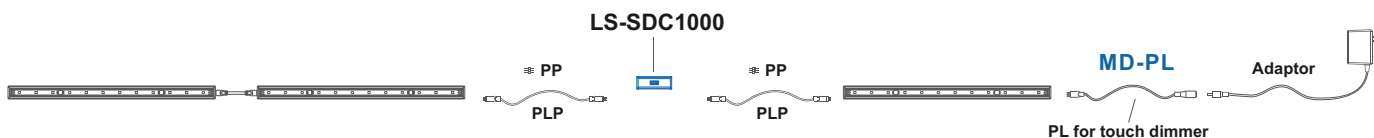
Model	Description
LS-SDC1000set01	Mini touch dimmer LS-SDC 1000 Set01 (includ. 1*LS-SDC1000, 1*LB-MDPL02-L30, 2*LB-PP, 1*user manual)
LS-SDC1000set02	Mini touch dimmer LS-SDC 1000 Set02 (includ. 1*LS-SDC1000, 1*LB-MDPL-L30, 2*LB-PP, 1*user manual)
LB-MDPL02-L30	Specific power line for LS-SDC 1000 (locking type) , L:30cm
LB-MDPL-L30	Specific power line for LS-SDC 1000, L:30cm

◦ LS-SDC1000 Installation Guide

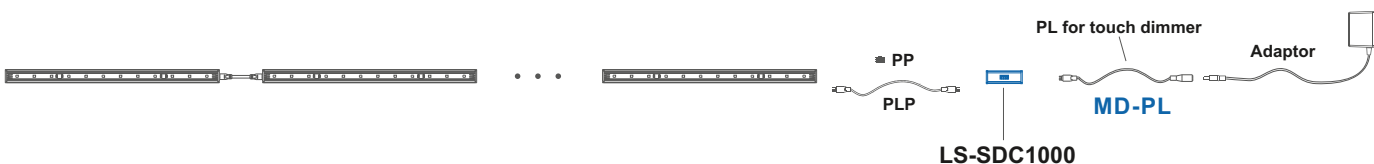
(a) Type I: Dimmer at the end of the chain



(b) Type II: Dimmer at the middle of the chain:



(c) Type III: Dimmer at the beginning of the chain:



* For using mini dimmer- LS-SDC 1000, this special power line (**MD-PL/MD-PL02**) must be used to enable the dimming function.