



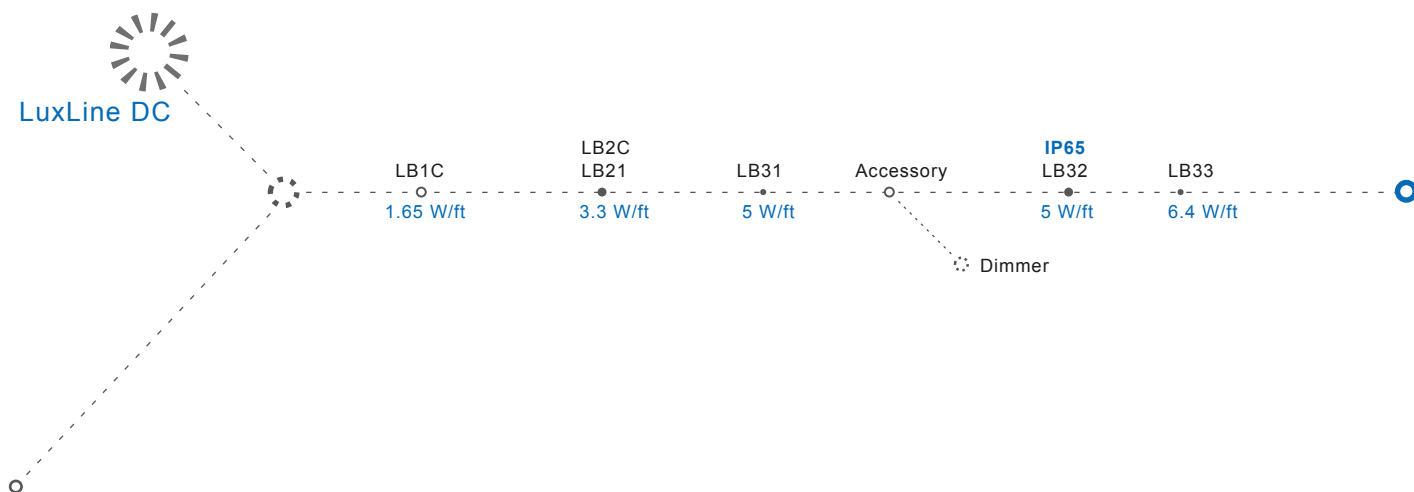
LuxLine DC Series

01

Dimmable LED Extendable Light Bar with Ultra Thin Profile

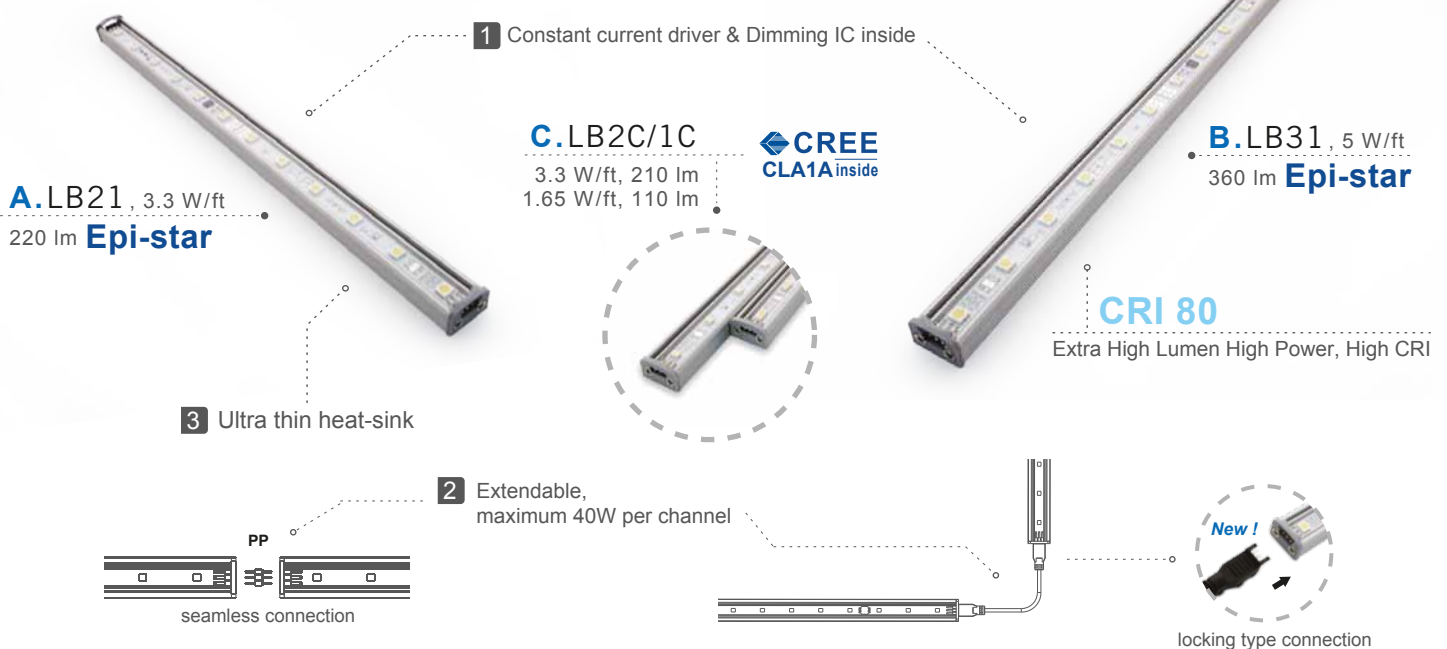
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- (1) LB21/LB31 – P.1-1~4
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- (4) Dimmer – P.1-8~9
- (5) LB32 / LB33 - Waterproof – P.1-10~11



LuxLine DC Series

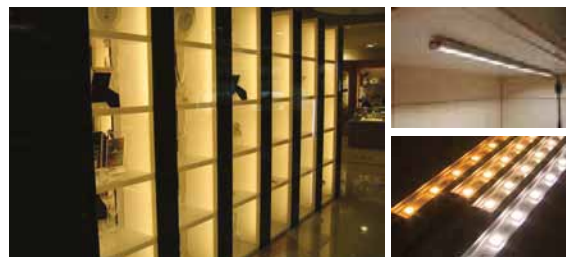
Dimmable LED Extendable Light Bar with Ultra Thin Profile



Features

- Patented modular design
- Extendable, maximum 40W 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: 5, 15, 30, 60, 90 and 120cm available
- CE, UL, RoHS compliant

Applications



- Cabinet, Undercabinet, Kitchen, Garage, Bookshelf, Cupboard, Showcase, Cove lighting, etc.

Specifications

A LB21, 3.3W/ft, Epi-star

Model	LED	LED #	Watts	CCT	Lumens	Beam Angle (@50% CBCP)	CRI	Length	Voltage
LB21-DW-L05 LB21-NW-L05 LB21-WW-L05	Epi-star chip	2-Leds	0.5W	5000~6300K 3700~4300K 2600~3000K	55 lm 55 lm 48 lm	120°	70 65 65	5 cm	24 V DC
LB21-DW-L15 LB21-NW-L15 LB21-WW-L15 LB21-XW-L15	Epi-star chip	6-Leds	1.65W	5000~6300K 3700~4300K 2600~3000K 2300~2600K	110 lm 110 lm 95 lm 80 lm	120°	70 65 65 60	15 cm	24 V DC
LB21-DW-L30 LB21-NW-L30 LB21-WW-L30 LB21-XW-L30	Epi-star chip	12-Leds	3.3W	5000~6300K 3700~4300K 2600~3000K 2300~2600K	220 lm 220 lm 190 lm 160 lm	120°	70 65 65 60	30 cm	24 V DC
LB21-DW-L60 LB21-NW-L60 LB21-WW-L60 LB21-XW-L60	Epi-star chip	24-Leds	6.6W	5000~6300K 3700~4300K 2600~3000K 2300~2600K	440 lm 440 lm 380 lm 320 lm	120°	70 65 65 60	60 cm	24 V DC
LB21-DW-L90 LB21-NW-L90 LB21-WW-L90 LB21-XW-L90	Epi-star chip	36-Leds	9.9W	5000~6300K 3700~4300K 2600~3000K 2300~2600K	660 lm 660 lm 570 lm 540 lm	120°	70 65 65 60	90 cm	24 V DC
LB21-DW-L120 LB21-NW-L120 LB21-WW-L120 LB21-XW-L120	Epi-star chip	48-Leds	13.2W	5000~6300K 3700~4300K 2600~3000K 2300~2600K	880 lm 880 lm 720 lm 640 lm	120°	70 65 65 60	120 cm	24 V DC

* 12V is available upon request (only LB21)

B LB31, 5W/ft, Epi-star

Model	LED	LED #	Watts	CCT	Lumens	Beam Angle (@50% CBCP)	CRI	Length	Voltage
LB31-DW-L15 LB31-NW-L15 LB31-WW-L15	Epi-star chip	6-Leds	2.5W	5000~6300K 3700~4300K 2600~3000K	180 lm 150 lm 150 lm	120°	70 80 80	15 cm	24 V DC
LB31-DW-L30 LB31-NW-L30 LB31-WW-L30	Epi-star chip	12-Leds	5W	5000~6300K 3700~4300K 2600~3000K	360 lm 300 lm 300 lm	120°	70 80 80	30 cm	24 V DC
LB31-DW-L60 LB31-NW-L60 LB31-WW-L60	Epi-star chip	24-Leds	10W	5000~6300K 3700~4300K 2600~3000K	720 lm 600 lm 600 lm	120°	70 80 80	60 cm	24 V DC
LB31-DW-L90 LB31-NW-L90 LB31-WW-L90	Epi-star chip	36-Leds	15W	5000~6300K 3700~4300K 2600~3000K	1080 lm 900 lm 900 lm	120°	70 80 80	90 cm	24 V DC
LB31-DW-L120 LB31-NW-L120 LB31-WW-L120	Epi-star chip	48-Leds	20W	5000~6300K 3700~4300K 2600~3000K	1440 lm 1200 lm 1200 lm	120°	70 80 80	120 cm	24 V DC

* CBCP: Center Beam Candle power

* Operating Temp.: -20 ~45°C (non-condensation environment)

* Life Time: 15,000~20,000 hr. ; * Warranty: 2 years, limited

LED Luminaries | LuxLine DC Series

C LB2C, 3.3W/ft, CREE-CLA1A

Model	LED	LED #	Watts	CCT	Lumens	Beam Angle (@50% CBCP)	CRI	Length	Voltage
LB2C-DW-L15 LB2C-WW-L15	CREE CLA1A	12-Leds	1.65W	5000~7000K 2800~3300K	110 lm 90 lm	120°	72 80	15 cm	24 V DC
LB2C-DW-L30 LB2C-WW-L30	CREE CLA1A	24-Leds	3.3W	5000~7000K 2800~3300K	210 lm 180 lm	120°	72 80	30 cm	24 V DC
LB2C-DW-L60 LB2C-WW-L60	CREE CLA1A	48-Leds	6.6W	5000~7000K 2800~3300K	420 lm 360 lm	120°	72 80	60 cm	24 V DC
LB2C-DW-L90 LB2C-WW-L90	CREE CLA1A	72-Leds	9.9W	5000~7000K 2800~3300K	630 lm 540 lm	120°	72 80	90 cm	24 V DC
LB2C-DW-L120 LB2C-WW-L120	CREE CLA1A	96-Leds	13.2W	5000~7000K 2800~3300K	840 lm 720 lm	120°	72 80	120 cm	24 V DC

D LB1C, 1.65W/ft, CREE-CLA1A

Model	LED	LED #	Watts	CCT	Lumens	Beam Angle (@50% CBCP)	CRI	Length	Voltage
LB1C-DW-L15 LB1C-WW-L15	CREE CLA1A	6-Leds	0.8W	5000~7000K 2800~3300K	55 lm 45 lm	120°	72 80	15 cm	24 V DC
LB1C-DW-L30 LB1C-WW-L30	CREE CLA1A	12-Leds	1.65W	5000~7000K 2800~3300K	110 lm 90 lm	120°	72 80	30 cm	24 V DC
LB1C-DW-L60 LB1C-WW-L60	CREE CLA1A	24-Leds	3.3W	5000~7000K 2800~3300K	220 lm 180 lm	120°	72 80	60 cm	24 V DC
LB1C-DW-L90 LB1C-WW-L90	CREE CLA1A	36-Leds	5W	5000~7000K 2800~3300K	330 lm 270 lm	120°	72 80	90 cm	24 V DC
LB1C-DW-L120 LB1C-WW-L120	CREE CLA1A	48-Leds	6.6W	5000~7000K 2800~3300K	440 lm 360 lm	120°	72 80	120 cm	24 V DC

* CBCP: Center Beam Candle power

* Operating Temp.: -20 ~45°C (non-condensation environment)

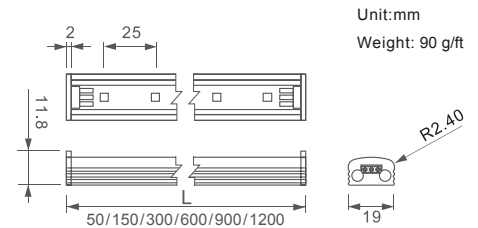
* Life Time: 15,000~20,000 hr. ; * Warranty: 2 years, limited

° LuxLine DC Series Part Number Guideline

EX: **LB21-DW-L15**
F1 F2 F3

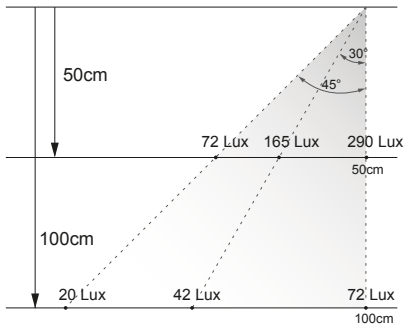
F1	F2	F3
Model Type	CCT	Length
LB21: light bar type - 21	DW : 5000~6300K	L05 : 5cm
LB31: light bar type - 31	NW : 3700~4300K	L15 : 15cm
	WW : 2600~3000K	L30 : 30cm
	XW : 2300~2600K	L60 : 60cm
LB2C: light bar type - 2C	DW : 5000~7000K	L90 : 90cm
LB1C: light bar type - 1C	WW : 2800~3300K	L120 : 120cm

° Dimensions

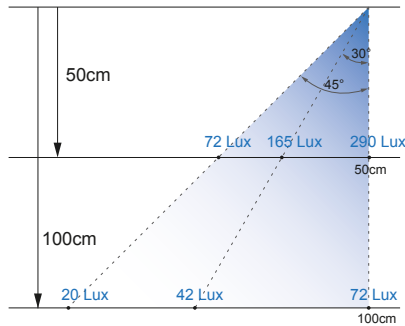


◦ Illumination Chart

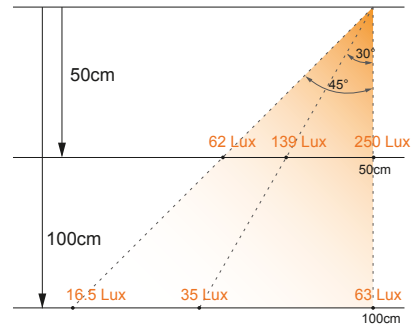
A LB21, 3.3W/ft, Epi-star LB21-DW-L30



LB21-NW-L30



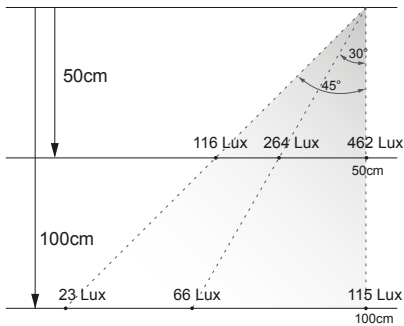
LB21-WW-L30



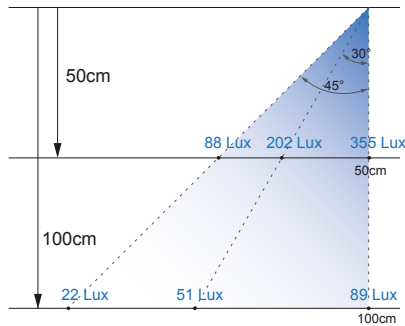
* L15=0.5×L30; L60=1.65×L30; L90=2.15×L30; L120=2.25×L30 @50cm

* L15=0.5×L30; L60=1.85×L30; L90=2.70×L30; L120=3.5×L30 @1M

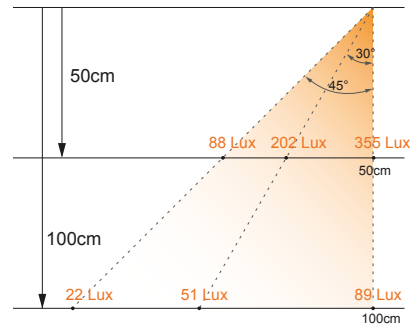
B LB31, 5W/ft, Epi-star LB31-DW-L30



LB31-NW-L30



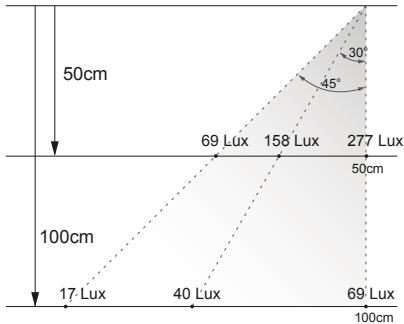
LB31-WW-L30



* L15=0.5×L30; L60=1.65×L30; L90=2.15×L30; L120=2.25×L30 @50cm

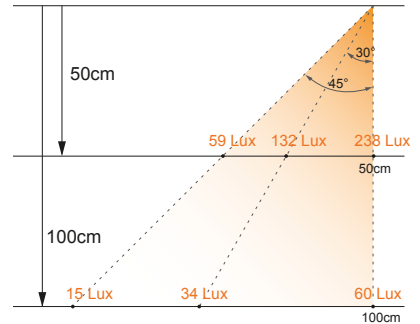
* L15=0.5×L30; L60=1.85×L30; L90=2.70×L30; L120=3.5×L30 @1M

C LB2C/1C, CREE-CLA1A LB2C-DW-L30



NW= N/A

LB2C-WW-L30



* L15=0.5×L30; L60=1.65×L30; L90=2.15×L30; L120=2.25×L30 @50cm






* L15=0.5×L30; L60=1.85×L30; L90=2.70×L30; L120=3.5×L30 @1M

* LB1C Lux conversion: 0.5×LB2C






* Typical Lux Variation is +/- 15% range

LuxLine DC Series - Accessory



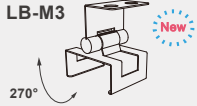
1 Connection Cable & Joint

				
1 PP	2 PLP/PLP02	3 PLP-UJ	4 PPJ	5 MCJ
Model No. : LB-PP Description: LuxLine seamless type connector	Model No. : LB-PLP-LXX LB-PLP02-LXX Description: connection cable between LuxLine bars * PLP02 : locking type Length : 25/50/100/150/183cm	Model No. : LB-PLP-UJ Description: U-shape jumper between LuxLine bars Length : 5cm	Model No. : LB-PPJ Description: cable-to-cable extension joint	Model No. : LB-MCJ Description: Multiple cable-to-cable extension joint


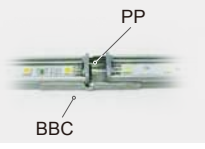
2 Power Line (Bar-to-adaptor/power)

				
6 PL/PL02	7 PL-RA	8 PL-SW	9 PL-W/PL02-W	10 PL-BA
Model No. : LB-PL-LXX LB-PL02-LXX Description: Power line connection cable * PL02 : locking type Length : 30/50/100cm	Model No. : LB-PL-LXXRA Description: Power line connection cable (Right Angel pin) Length : 50/183cm	Model No. : PL-LXXSW PL-LXXRASW Description: Power line connection cable (Power line with inline switch) Length : 30/183cm	Model No. : LB-PL-LXXW LB-PL02-LXXW Description: Bar-to-power connection wire (With 2-wire out) * PL02-W : locking type Length : 50cm	Model No. : LB-BA Description: Power Line connection cable (back side cable out)

3 Mounting Clip

		
11 LB-M1	12 LB-M2	13 LB-M3
Model No. : LB-M1 Description: Flat type mounting clip (including screw)	Model No. : LB-M2 Description: 45 degree type mounting clip (including screw)	Model No. : LB-M3 Description: Turnable mounting Clip (including screw)

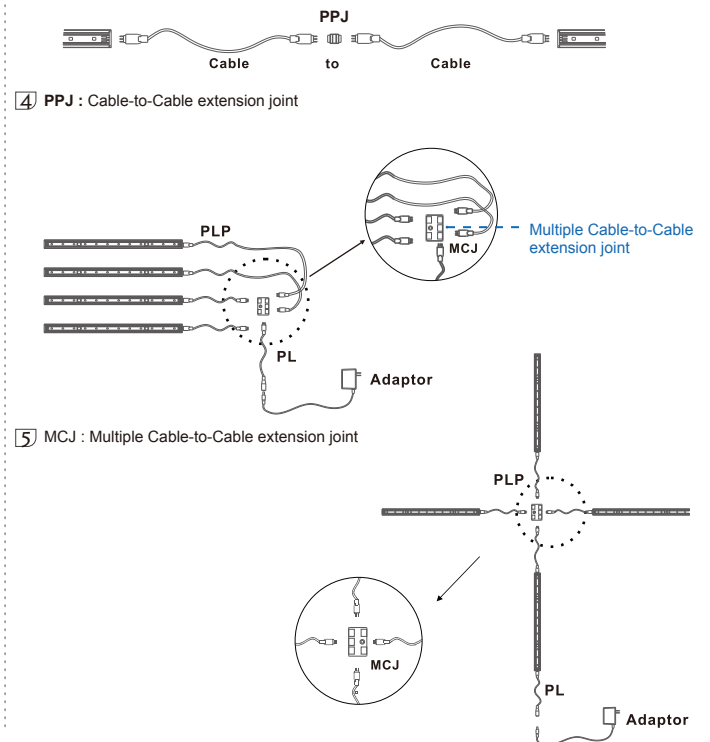
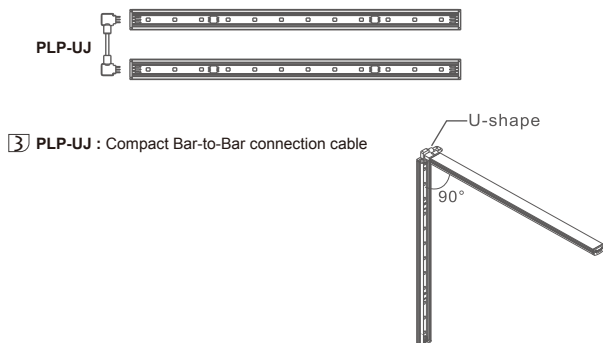
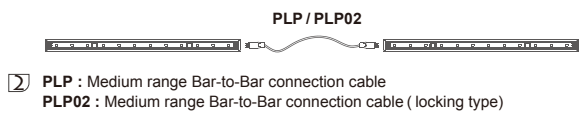
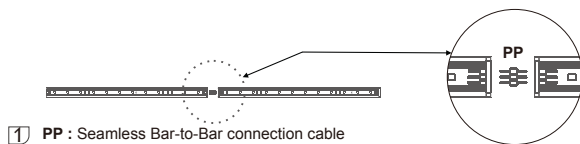
4 Other

	
14 LB-BBC	
Model No. : LB-BBC Description: Bar-to-bar back Clip to lock two bars seamless together (with LB-PP)	

Compatible With Our Ezled Power Quick Connect System (see our catalog or go to www.ezledpower.com)

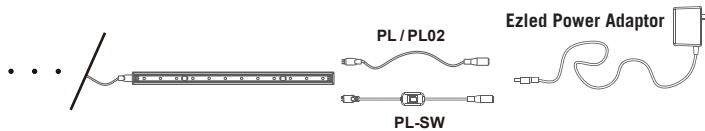
Installation Guide

1 Connection Cable & Joint

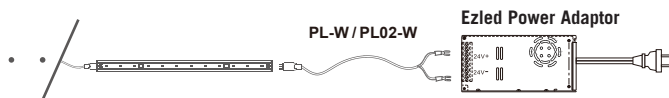


2 Power Line

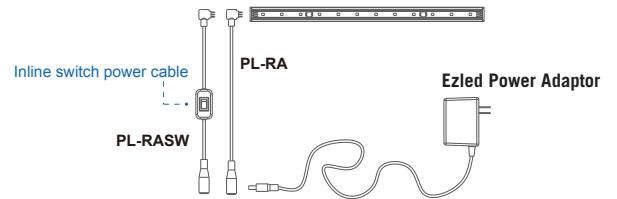
- ⑥ PL: Bar-to-Adaptor connection cable
PL02: Bar-to-Adaptor connection cable (locking type)
- ⑧ PL-SW : Bar-to-Adaptor connection cable with inline switch



- ⑨ PL-W: Bar-to-power connection wire (With 2-wire out)
PL02-W: Bar-to-power connection wire (With 2-wire out) - (locking type)

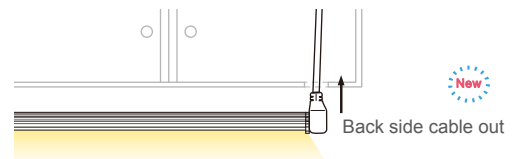


- ⑦ PL-RA : Bar-to-Adaptor connection cable (Right Angel pin-plug)

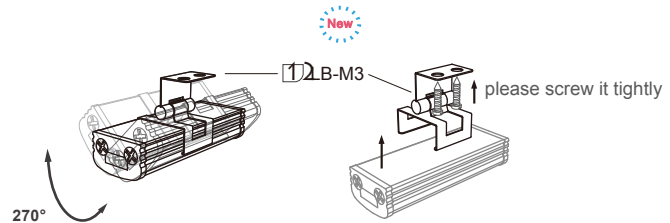
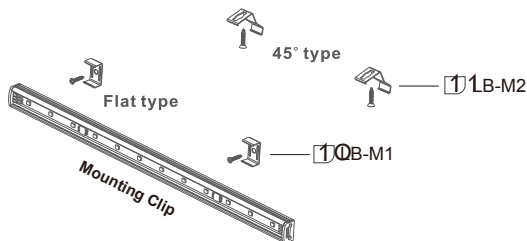


- ⑧ PL-RASW : Bar-to-Adaptor connection cable with inline switch (Right Angel pin-plug)

- ⑩ PL-BA: Power Line connection cable



3 Mounting Clip



Channel connection rule

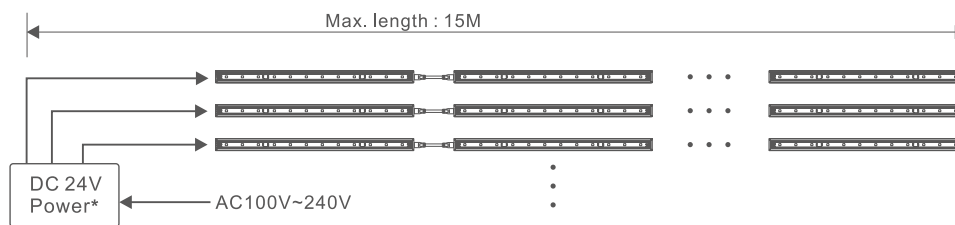
Single (30cm)



Max.40W per channel

2pcs for LB21
8pcs for LB31
2pcs for LB2C
20pcs for LB1C

Multiple (30cm)



Max.40W per channel

2pcs for LB21
8pcs for LB31
2pcs for LB2C
20pcs for LB1C

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

LuxLine DC Series - Dimmer optional for LB21, LB31, LB2C, LB1C

1 DDC 2000

2 channels dimmer

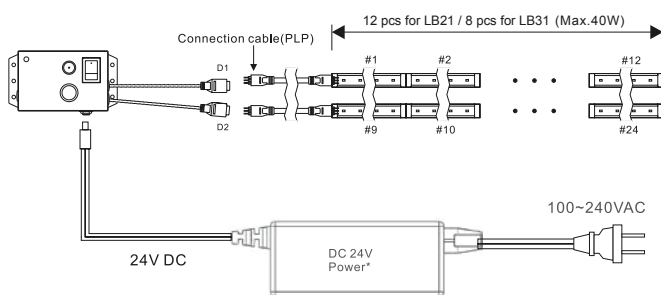


2 DDC 4000

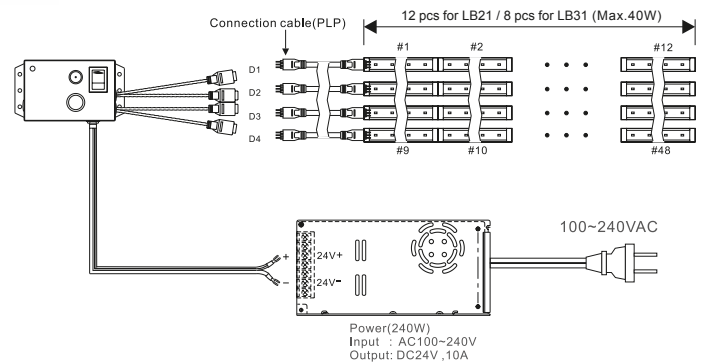
4 channels dimmer



Model	Description
DDC 2000	2 channel dimmer Set (includ. 1*DDC2000, 2*LB-PLP-L25, 1*user manual)
DDC 4000	4 channel dimmer Set (includ. 1*DDC4000, 2*LB-PLP-L25, 1*user manual)



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



3 Mini touch dimmer

1 SDC1000



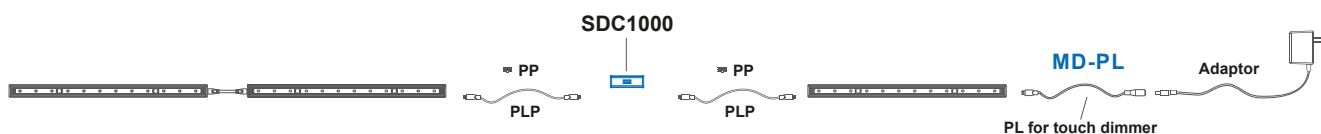
Model	Description
SDC1000set01	Mini touch dimmer SDC 1000 Set01 (includ. 1*SDC1000, 1*LB-MDPL02-L30, 2*LB-PP, 1*user manual)
SDC1000set02	Mini touch dimmer SDC 1000 Set02 (includ. 1*SDC1000, 1*LB-MDPL-L30, 2*LB-PP, 1*user manual)
LB-MDPL02-L30	Specific power line for SDC 1000 (locking type) , L:30cm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

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

LuxLine DC Series - LB32/LB33 **IP65**

Waterproof Light Bar with Ultra Thin Profile



A. LB32, 5 W/ft
360 lm/ft **Epi-star**
(1/2/3/4 ft available)

B. LB33, 6.4 W/ft
2250 lm/5ft **Epi-star**
(5ft/6 ft available)

Freezer Light

3 IP65, waterproof

2 Ultra thin heat-sink

1 Constant current driver
& Dimming IC inside

4 Extendable

Features

- Super high lumen brightness
- Built-in LED driver for stable and uniform light output
- No UV/IR, low heat and long lifetime
- Lengths: 30, 60, 90, 120 and 150, 180cm available
- CE, UL, RoHS compliant
- IP65, waterproof for semi-indoor/ indoor application

Applications



• Freezer light, Semi-outdoor linear light, etc.

Specifications

A LB32, 5W/ft, Epi-star

Model	LED	LED #	Watts	CCT	Lumens	Beam Angle (@50% CBCP)	CRI	Length	Voltage
LB32-DW-L30-W22 LB32-NW-L30-W22 LB32-WW-L30-W22	Epi-star chip	12-Leds	5W	5000~6300K 3700~4300K 2600~3000K	360 lm 300 lm 300 lm	120°	70 80 80	30 cm	24 V DC
LB32-DW-L60-W22 LB32-NW-L60-W22 LB32-WW-L60-W22	Epi-star chip	24-Leds	10W	5000~6300K 3700~4300K 2600~3000K	720 lm 600 lm 600 lm	120°	70 80 80	60 cm	24 V DC
LB32-DW-L90-W22 LB32-NW-L90-W22 LB32-WW-L90-W22	Epi-star chip	36-Leds	15W	5000~6300K 3700~4300K 2600~3000K	1080 lm 900 lm 900 lm	120°	70 80 80	90 cm	24 V DC
LB32-DW-L120-W22 LB32-NW-L120-W22 LB32-WW-L120-W22	Epi-star chip	48-Leds	20W	5000~6300K 3700~4300K 2600~3000K	1440 lm 1200 lm 1200 lm	120°	70 80 80	120 cm	24 V DC

* Operating Temp.: -20 ~45°C (non-condensation environment)

B LB33, 6.4W/ft, Epi-star- Freezer light bar

Model	LED	LED #	Watts	CCT	Lumens	Beam Angle (@50% CBCP)	CRI	Length	Voltage
LB33-DW-L150-W12 LB33-NW-L150-W12 LB33-WW-L150-W12	Epi-star chip	60-Leds	32W	5000~6300K 3700~4300K 2600~3000K	2250 lm 1875 lm 1875 lm	120°	70 80 80	150 cm	24 V DC
LB33-DW-L180-W12 LB33-NW-L180-W12 LB33-WW-L180-W12	Epi-star chip	72-Leds	38.5W	5000~6300K 3700~4300K 2600~3000K	2700 lm 2250 lm 2250 lm	120°	70 80 80	180 cm	24 V DC

* LB33 is designed for refrigerator usage only (ambient temperature is less than 10C).

* CBCP: Center Beam Candle power

* Life Time: 15,000~20,000 hr. ; * Warranty: 2 years, limited

LuxLine DC Series Part Number Guideline

EX: **LB33-DW-L30-W22**
F1 F2 F3 F4

F1	F2	F3	F4
Model Type	CCT	Length	Wire Type
LB32: IP65 light bar -Type 32	DW : 5000~6300K NW : 3700~4300K WW : 2600~3000K	L30 : 30cm L60 : 60cm L90 : 90cm L120 : 120cm	W22 : 2-side / 2-wire
LB33: IP65 light bar -Type 33		L150 : 150cm L180 : 180cm	W12 : 1-side / 2-wire

Dimensions

