

Datasheet

T8 LED Linear Light

60% energy saving
50,000 hours life
5 years warranty

• Product Features

> Patent design for T8 fluorescent fitting
> PIR sensor
> End or rear cable entry
> Multiple Link through end hole
> 5 years warranty

• Options

> Function : ON-OFF /PIR Sensor
> PIR Sensor : With sensor OR W/O sensor
> Installation : Surface mounting OR Suspension

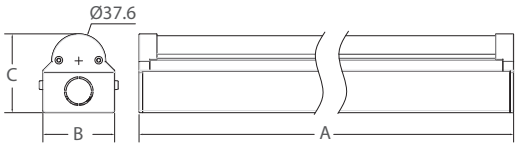
• Application

> Replacement for T8 fluorescent batten ,
> Warehouses , Factories, Car parks , Supermarkets,
> Stations, Office .

• Product Picture



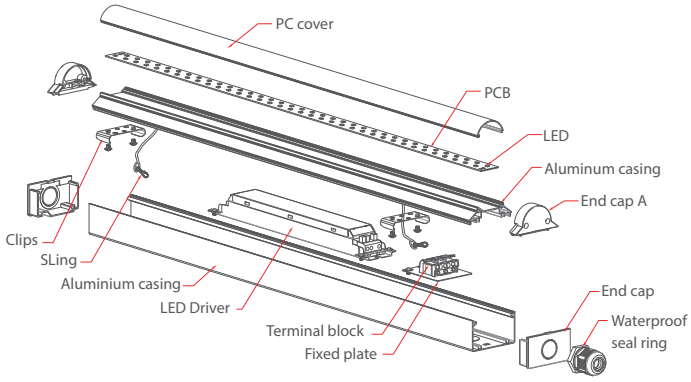
• Dimension



Product Name	A	B	C
60cm/2ft	600	55	58
120cm/4ft	1200	55	58
150cm/5ft	1500	55	58
180cm/6ft	1800	55	58

Unit:mm

• Explosion drawing



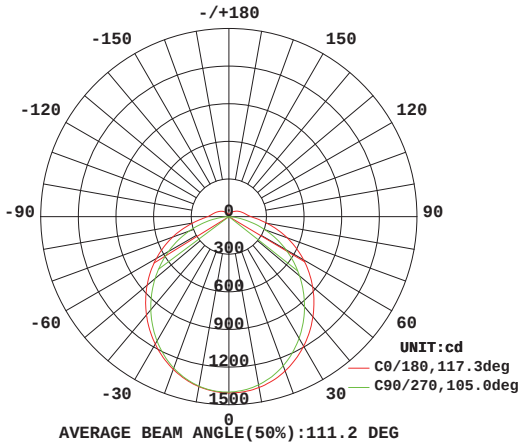
• Product code policy

BT XX -XX X XX - X X X X X- XXX

01 02 03 04 05 06 07 08 09 10 11

01. Product category: BT: Batten/Linear Light
02. Product dimension: eg: 04:4ft/120CM; 06:6ft/180cm
03. Rated power: eg: 32: 32W; 62: 62W
04. Luminous Efficacy: P:Premium 120LM/W
05. Color Temperature: eg:N1: 4000~4500K, TR:Tri-color
06. Product version: S: Slim batten
07. Structural function: T:T8 cover
08. Electrical function:P:PIR Sensor
09.Power attribute:2:AC200-240V Flicker power drive
10.Power supply manufacturer
11.Series No.: 001-499.

• Photometry Curve

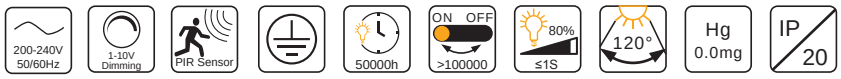


• Technical / Electrical Characters (at TA=25°C)

Item	Symbol	Single Color Series							Tri-Color Series						
		L=60CM	L=120CM		L=150CM		L=180CM		L=60CM	L=120CM		L=150CM		L=180CM	
Rated Power	W	10W	17W	32W	28W	56W	32W	62W	10W	17W	32W	28W	56W	32W	62W
Product Code	/	BT02-10PN1 -STP2B-001	BT04-17PN1 -STP2B-001	BT04-32PN1 -STP2B-001	BT05-28PN1 -STP2B-001	BT05-56PN1 -STP2B-001	BT06-32PN1 -STP2B-001	BT06-62PN1 -STP2B-001	BT02-10PTR -STP2B-001	BT04-17PTR -STP2B-001	BT04-32PTR -STP2B-001	BT05-28PTR -STP2B-001	BT05-56PTR -STP2B-001	BT06-32PTR -STP2B-001	BT06-62PTR -STP2B-001
LED Type/Qty	SMD2835	78	156	156	208	364	324	442	78X2	156X2	156X2	208 X2	364 X2	324X2	442X2
Lumen Efficacy	Lm/w	typ.120	typ.120	typ.120	typ.120	typ.120	typ.120	typ.120	typ.120	typ.120	typ.120	typ.120	typ120	typ.120	typ.120
Luminous Flux	LM	typ.1200	typ.2050	typ.3850	typ.3350	typ.6700	typ.3850	typ.7500	typ.1200	typ.2050	typ.3850	typ.3350	typ.6700	typ.3850	typ.7500
Color Index	CRI(Ra)	Ra>80							Ra>80						
Color Temperature	TC(K)	WW:3000K NW:4000K PW:5000K CW:6000K							Tri-Color : 3000/5000K, Mixed: 4000K						
Beam Angle	Degree	120 degree							120 degree						
Dimming Function	/	ON -OFF or 1-10V dimming or DALI							ON -OFF or 1-10V dimming or DALI						
Power Factor	PF	PF>0.95							PF>0.95						
LED current	mA	Constant 45mA							Constant 45mA						
Input Voltage	V	AC200~240V/50Hz							AC200~240V/50Hz						
Working Voltage	V	Constant DC36~42V							Constant DC36~42V						
Housing material	/	Aluminum+PC							Aluminum+PC						
Starting time	S	<0.5S							<0.5S						
Protection Class	IP	IP20							IP20						
Temperature	°C	Operation:-15°C~+50°C Storage:-25°C~+55°C							Operation:-15°C~+50°C Storage:-25°C~+55°C						
Lumen Maintenance @6000hrs	%	80%							80%						
Swtich cycle before failure	times	100,000							100,000						
Life Span	h	50,000 hours							50,000 hours						
Warranty	/	5 years							5 years						

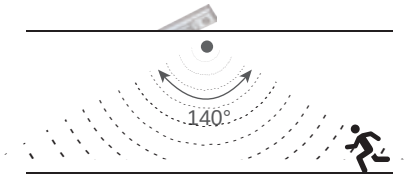
• ErP Technical Specification

Item	Symbol	Specification / Data
Color Index	CRI	Ra>80 , R9>0
Luminous Efficacy	Lm/W	Deluxe:typ. 120LM/W
Energy efficiency Class	/	A+ / A++
Color consistency in level	/	Max. 6SDCM
THD	%	<15%
Starting Time	S	<0.5S
Switching Cycle before Failure	/	>100,000 times
Premature failure rate @1000h	/	0
Lumen Maintenance @ 6000h	%	>80%

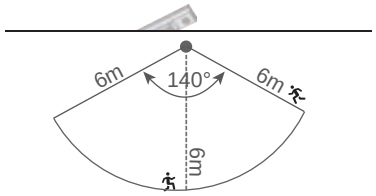


• PIR Sensor

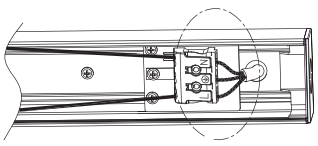
Sensing Angle



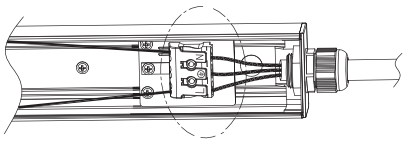
Sensing Distance



• Wiring Method



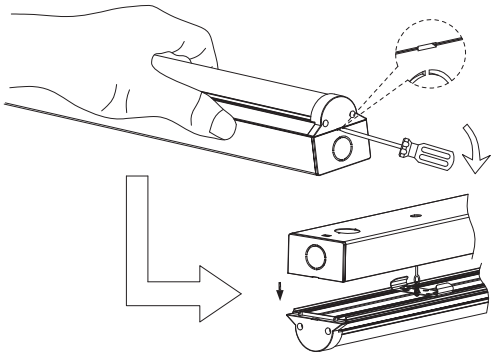
Back wiring



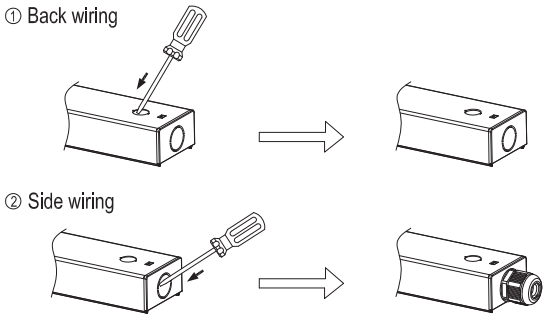
Side wiring

• Installation Instructions

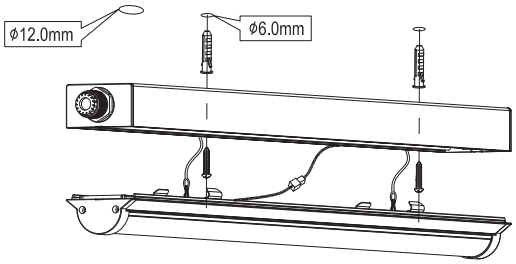
1). Open the lamps,then take out the accesories bag.



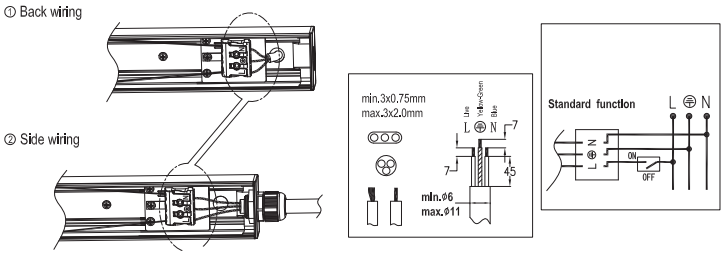
2).Pop out required entry hole, then mount the cable gland.



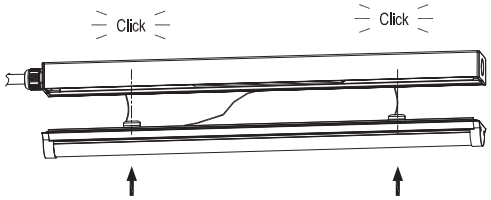
3). Fix the rear aluminium casing to the wall/ceiling.



4).Connected the input wire to the terminal like below.



5). Assemble the lamp body on the aluminium casing.



• Package

Product Type	Rated Power	Inner Box	Outer Carton	Qty/Carton	Unit N.W	G.W/Carton
600mm	10W	608 x 60 x 63mm	625 x 325 x 150mm	10Pcs	500g	6.4Kg
1200mm	17/32W	1208 x 60 x 63mm	1225 x 325 x 150mm	10Pcs	880g	11.3Kg
1500mm	28/56W	1508 x 60 x 63mm	1525 x 325 x 150mm	10Pcs	1080g	14.5Kg
1800mm	32/62W	1808 x 60 x 63mm	1825 x 325 x 150mm	10Pcs	1295g	17.8Kg

CAUTION

※ In case of electric shock, please make sure the power is off before installation.

※ The lamp should be installed and operated by a qualified electrician or technician in accordance with relevant local codes.

※ Do not use sharp tools near or on the surface of the lamp.

※ Unpack and examine the product carefully. Report any damage and save all packing materials if any portion of the product was damaged during transportation.