

Linkable LED Shop Light

IP 65 | Emergency | 150 LPW

Catalog#	Type
Comment	
Project	Date

DESCRIPTION

TPC series LED Vapor-proof Light is made of aluminum housing. High lumen LED light source for any application requiring maximum performance and minimum maintenance. The different length 2', 4' and 5' design and sealed compartment combine to make LED light virtually impenetrable to contaminants. LED light fixture can operate 120-277V and UL listed /DLC QPL for energy rebate. It is widely used for warehouse, parking lot lighting, stairwell lighting and other lighting applications.

CONSTRUCTION & MATERIALS

- ◆ Pure aluminum housing
- ◆ Lm80 SMD 2835 LED with Ra>80
- ◆ Shatter-proof Clear or Frosty cover
- ◆ Quick wiring connectors
- ◆ Stainless steel fastener
- ◆ IK 10 Rated

INSTALLATION

- ◆ Chain Pendant/Surface mounted/ Wall mount

ENVIRONMENTAL SYSTEM

- ◆ IP 65 rated for wet and damp location usage
- ◆ Indoor/outdoor wet/damp location
- ◆ Ambient Temp.: -30°C - +50°C (-22°F -122°F)

FINISH

- ◆ Silver Grey

ELECTRICAL SYSTEM

- ◆ Input voltage 100-277VAC, 50/60Hz
- ◆ ETL/cETL listed,
- ◆ CE/RoHS
- ◆ DLC

OPTICAL SYSTEM

- ◆ 120 LPW (Frosty) /150 LPW (Clear Strip).
- ◆ Std. beam angle 120°.

LIGHTING CONTROL

- ◆ 0-10vdc dimming available
- ◆ Bi-level Microwave motion sensor available
- ◆ Photocell for dusk-dawn work mode available

EMERGENCY BATTERY

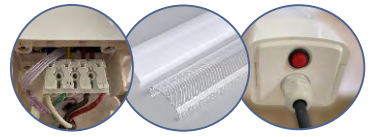
- ◆ Lithium (Li-Fe/Ni-MH for options)
- ◆ UL 924 & CEC (CA Title 20) compliant
- ◆ Emergency time: 90~180 minutes

WARRANTY

- ◆ 5 Years

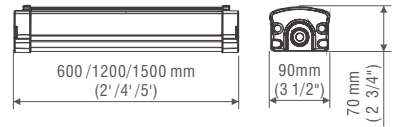
STANDARD

- ◆ EN61347-1, EN61347-2-13, EN60598-2-1, EN60598-1
- ◆ UL 924, UL 1598, CAN/CSA -C.22.2 NO. 250.0,



Quick Wiring Connector Frosty/Clear Cover Emergency Option

DIMENSION



DATASHEET

Model#	Voltage	Power Factor	THD	Size (LXWXH)	Rating	CCT	Efficacy (Clear)	Efficacy (Frosty)	CRI	UGR
LT-TPC220	100-277vac	> 0.9	<15%	600X90X70mm	20W	3000K,4000K, 5000K	150 LPW	120 LPW	80	<19
LT-TPC440	100-277vac	> 0.9	<15%	1200X90X70 mm	40W	3000K,4000K, 5000K	150 LPW	120 LPW	80	<19
LT-TPC460	100-277vac	> 0.9	<15%	1200X90X70mm	60W	3000K,4000K, 5000K	150 LPW	120 LPW	80	<19
LT-TPC550	100-277vac	> 0.9	<15%	1500X90X70mm	50W	3000K,4000K, 5000K	150 LPW	120 LPW	80	<19
LT-TPC560	100-277vac	> 0.9	<15%	1500X90X70 mm	60W	3000K,4000K, 5000K	150 LPW	120 LPW	80	<19
LT-TPC580	100-277vac	> 0.9	<15%	1500X90X74 mm	80W	3000K,4000K, 5000K	150 LPW	120 LPW	80	<19

ORDER INFORMATION

Sample Number: LT-TPC560-27K-HV-PC-F

Com.	Series	Length	Wattage	CCT	Voltage	Control Mode	Duration (EM Mode)	Cover
LT	TPC	2=2FT 4=4FT 5=5FT	20= 20W 40= 40W 50= 50W 60= 60W 80= 80W	27K=2700K 30K= 3000K 40K= 4000K 50K= 5000K 57K= 5700K	Blank=100-277VAC HV = 200-480VAC EV = 200-240VAC	DM = 0-10VDC Dimming PC = Photocell MSS=Motion sensor -Switch ON/OFF MSD= Motion sensor -3-step Dimming EM = Emergency Backup	Std.=90 min. 2H =120 min. 3H =180 min.	F=Frosty C= Clear

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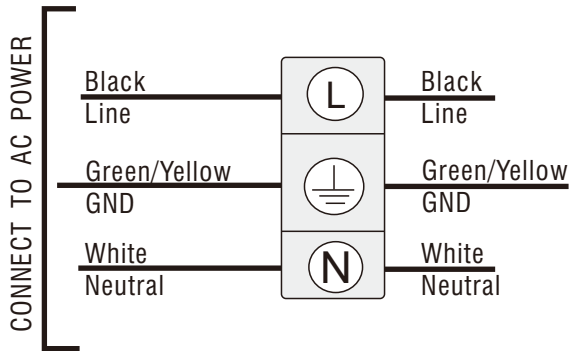
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PACKAGE

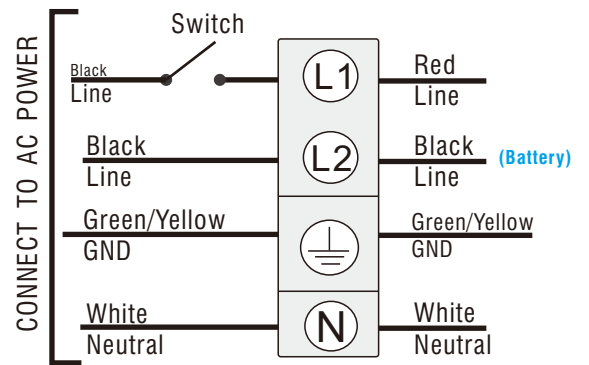
NO.	Model#	Carton Size (LXWXH)	G. W. / CTN	QTY/CTN (PCS)	20' GP Loading	40' GP Loading
1	LT-TPC220	69X25X26 cm	11Kg	6	3774 PCS	7716 PCS
2	LT-TPC440/460	129X25X26 cm	18 Kg	6	1824 PCS	4248 PCS

WIRE DIAGRAM

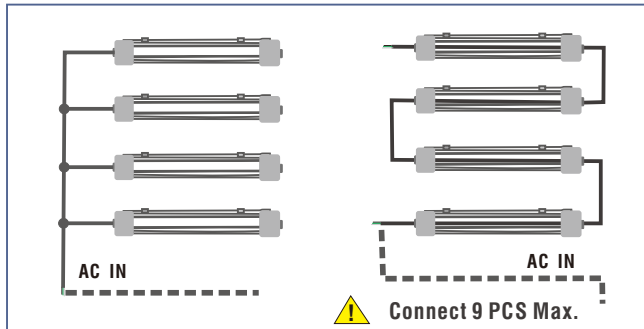
Wire Diagram (General Type)



Emergency Wire Diagram (Switch)

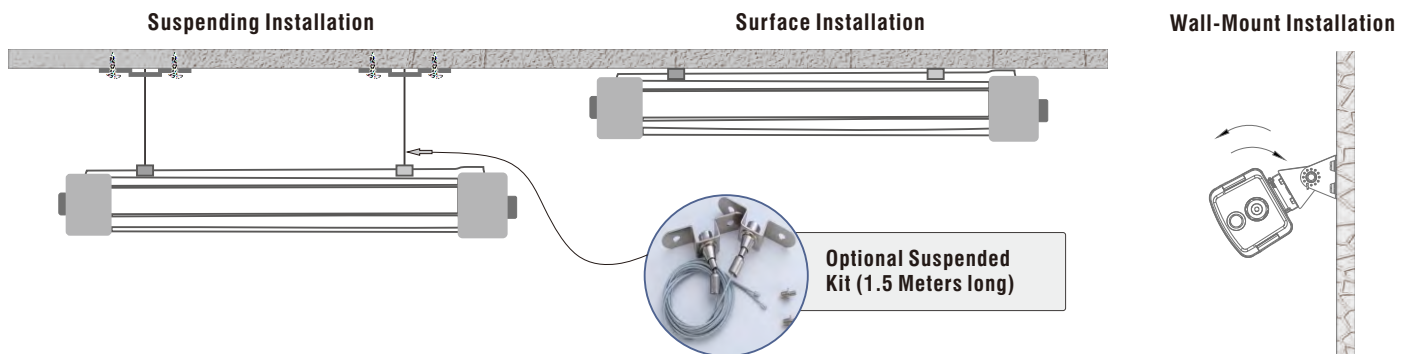


Connection Diagram



ACCESSORIES & MOUNT GUIDE

This LED garage light is easily installed to the ceiling with suspending kit. No hard-wiring is needed A lot of time and labor costs will be saved.



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OPTIONAL MOTION SENSOR

Motion Sensor is a moving object sensor that can detect range of 360° and its working frequency is 5.8GHz. The advantage is stable working state (stable working temperature: -40°C ~ +70°C), adopts a microwave sensor (high-frequency output < 0.2mW), so that it is safe and performs better than infrared sensor.

Features

- Fully adjustable high and low dimmed light levels from 0-10VDC
- Designed for LED fixtures; rated for extreme temperatures and up to 200,000 on/off cycles
- Adjustable via handheld wireless configuration tool
- Adjustable time delay and cut off delay from 10 seconds to 60 minutes
- Provides line voltage On/Off switching and 0-1 0VDC dimming control
- Works with ballasts or LED drivers
- Adjustable ramp up and fade down times
- High inrush stability zero crossing circuitry for reliable, long-life operation catching relay is durable for all load

Daylight Harvest Function

This function inside the motion sensor to achieve tri-level control, for some areas which require a light change notice before switch-off. The sensor offers 3 levels of light: 100% --> dimmed light (natural light is insufficient) --> off; And 2 periods of selectable waiting time: motion hold-time and stand-by period; Selectable daylight threshold and freedom of detection area.

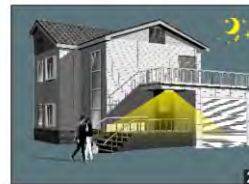


ON-OFF MODE

The microwave sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off.



With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



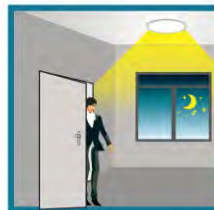
After hold time, the lamp gradually dims down if no motion detected.

3-STEP DIMMING MODE

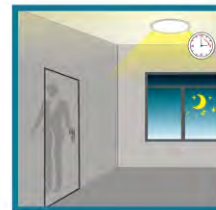
It offers 3 levels of the light Control: 100%-dimming light (0, 10%, 30%, 50%) --off; and 2 periods of selectable waiting time: motion hold-time and stand-by time. Selectable daylight threshold and choice of detection area.



With sufficient ambient light, the sensor does not switch on the lamp.



With insufficient ambient light, the sensor switches on the lamp when motion is detected.



After hold time, the sensor dims the lamp at a low light level if no new motion trigger.



After stand-by period, the sensor switches off the lamp if no motion is detected in its detection zone.

OPTIONAL EM BATTERY

When the AC power goes out, the emergency driver detects the AC power outage and automatically switch to the working emergency mode. The green LED light off. When the AC power is restored, the emergency driver backs to AC power working and starts re-charging, the green LED light on.

Features

- Meet most of safety standards for lighting
- Battery protections over charge protection over discharge protection short circuit protection
- Standard CSA C22.2 NO.141, UL924
- External Li-ion, LiFePO4 or Ni-MH battery
- The batteries Meet 500 cycles of standard CH and standard DCH
- Indicator shows a variety working modes
- RoHS compliant
- Standard 1.5 hours (2 hrs, 3hrs for options)

Specifications

- Input Voltage: 100-277Vac, 50/60Hz
- AC Input Current: 100mA max.
- AC Input Power Rating: 7.0W max.
- Output Current and Voltage: 25-48Vdc
- Output Power: 8W /15W
- Emergency Time: ≥1.5H
- Full Warranty: 5 Years
- Test Switch Indicator Light
- Illuminated Test Switch, indicator Light

