



TPA SERIES

Linear LED High Bay
Vapor Tight LED Light



TPA

LED Garage Light High Bay Fixture



LED garage lights are surface-mounted or suspended overhead ceiling lights ideal for task and general ambient lighting. These LED garage lights are commonly used in mechanic shops, workstations, home garages, and storage rooms.

Vapor-tight linear LED garage lights feature selectable wattage and CCT ranges of 3000K-4000K-5000K. They are also built with a 1-10vdc dimming and motion sensor. Therefore, these linear garage LED lights are powerful lighting solutions in harsh environments, protecting the light source from dust and moisture.

Catalog#	Type
Comment	
Project	Date

DESCRIPTION

LED garage lights can have adjustable wattage and CCT, ranging from 3000K, 4000K, to 5000K. They are also built with a standard 1-10vdc dimming driver. In addition, the fixtures feature vapor-tight rated housing, which is also IK08 and V0 rated. You can choose between a frosty or clear strip cover. Waterproof IP65 rated fixtures are suitable for indoor or outdoor wet/damp usage. High lumen output levels up to 150 LPW of LED vapor-tight light fixtures are usually applied in storage areas, warehouses, shops, and garages, etc.

CONSTRUCTION & MATERIALS

- ◆ IK 08
- ◆ UL94-V0 shatter-proof polycarbonate housing
- ◆ LM 80 SMD 2835 LED with Ra > 80
- ◆ Shatter-proof & Frosty or Clear cover
- ◆ Liquid tight connector available
- ◆ Stainless steel fastener

INSTALLATION

- ◆ Chain Pendent (suspending kit available)
- ◆ Standard surface mounted

ENVIRONMENTAL SYSTEM

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

FINISH

- ◆ Grey

ELECTRICAL SYSTEM

- ◆ Input voltage 100-277VAC, 50/60Hz, 160~350VDC
- ◆ Optional 120-347VAC, 50/60Hz
- ◆ ETL/cETL listed, CE/RoHS
- ◆ DLC QPL

WARRANTY

- ◆ 5 Years

OPTICAL SYSTEM

- ◆ 130 LPW (Frosty) / 150 LPW (Clear).
- ◆ Selectable CCT range from 3000K-4000K-5000K
- ◆ Beam angle 120°

LIGHTING CONTROL

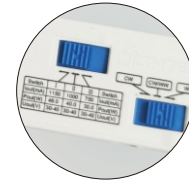
- ◆ 0/1-10vdc dimming available
- ◆ Selected Wattage/CCT
- ◆ Bi-level Microwave motion sensor available
- ◆ Photocell sensor for dusk-dawn available

STANDARD

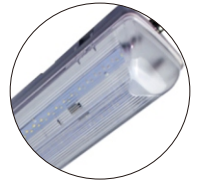
- ◆ EN61347-1, EN61347-2-13, EN60598-2-1, EN60598-1
- ◆ UL 924, UL 1598, CAN/CSA -C.22.2 NO. 250.0,

EMERGENCY BACKUP OPTION

- ◆ UL 924 & CEC title 20 compliant
- ◆ Charge cycle: > 500 times
- ◆ Emergency time: 90~180 minutes
- ◆ Work Temp. 32°F ~ +122°F (0°C ~ 50°C).



Selectable Wattage & CCT



Clear Diffuser Option



DATASHEET

Model#	LT-TPA220	LT-TPA436	LT-TPA440	LT-TPA808	LT-TPA810
Input Voltage	100-277V AC, 160-350V DC	100-277V AC, 160-350V DC	100-277V AC, 160-350V DC	100-277V AC, 160-350V DC	100-277V AC, 160-350V DC
Selectable Wattage	Selectable 18-22-27 Watts	Selectable 20-30-40 Watts	Selectable 30-40-50 Watts	Selectable 60-70-80 Watts	Selectable 80-90-100 Watts
Output Efficacy	3,780 lumens	7,000 lumens	7,000 lumens	11,200 lumens	14,000 lumens
CRI	>80	>80	>80	>80	>80
Beam Angle	120°	120°	120°	120°	120°
CCT	30K/40K/50K (Select. Available)	30K/40K/50K (Select. Available)	30K/40K/50K (Select. Available)	30K/40K/50K (Select. Available)	30K/40K/50K (Select. Available)
L70 Life	>50,000hrs	>50,000hrs	>50,000hrs	>50,000	>50,000hrs
Optional Battery	Li-ion, Ni-MH, LiFePo4	Li-ion, Ni-MH, LiFePo4	Li-ion, Ni-MH, LiFePo4	Li-ion, Ni-MH, LiFePo4	Li-ion, Ni-MH, LiFePo4
Duration (minutes)	90 (120/180 Options)	90 (120/180 Options)	90 (120/180 Options)	90 (120/180 Options)	90 (120/180 Options)
Housing	UL94-V0 Rated	UL94-V0 Rated	UL94-V0 Rated	UL94-V0 Rated	UL94-V0 Rated
Cover	PC (frosty, clear)	PC (frosty, clear)	PC (frosty, clear)	PC (frosty, clear)	PC (frosty, clear)
Certificate	ETL/cETL, CE/RoHS,DLC	ETL/cETL, CE/RoHS	ETL/cETL, CE/RoHS	ETL/cETL, CE/RoHS, DLC	ETL/cETL, CE/RoHS

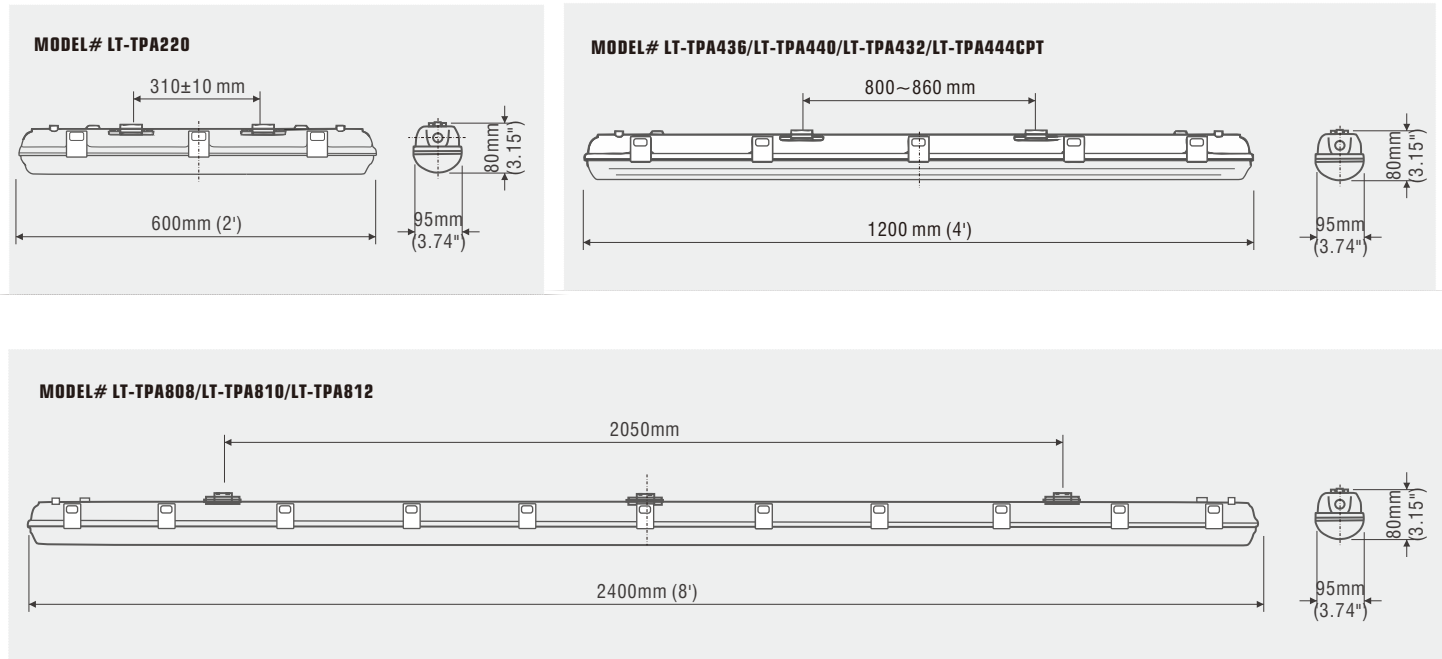
ORDER INFORMATION

Sample Number: LT-TPA220-CPT-S-DM-MS/EM-2H-C

COM	Series	Length	Wattage	CCT	Voltage	Control Mode	Duration (EM)	Cover
LT	TPA	2 2FT	20	Selectable 16-20-25W	CPT Selectable 30K-40K-50K	S 100-277VAC M 120-347VAC	Std. 90 minutes 2H 120 minutes 3H 180 minutes	Blank Frosty C Clear
		4 4FT	36	Selectable 20-30-40W				
		8 8FT	40	Selectable 30-40-50W				
		08	Selectable 60-70-80W					
		10	Selectable 80-90-100W					
		12	120W					
			27K	2700K		DM 0-10VDC DIM		
			30K	3000K		MS Motion Sensor		
			40K	4000K		PC Photocell		
			50K	5000K		EM Emergency Backup		
			57K	5700K				
			65K	6500K				

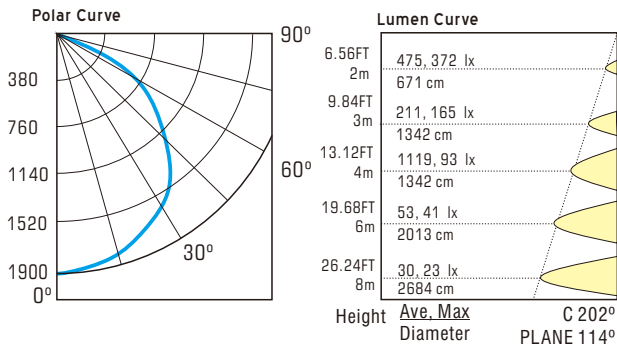
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DIMENSION

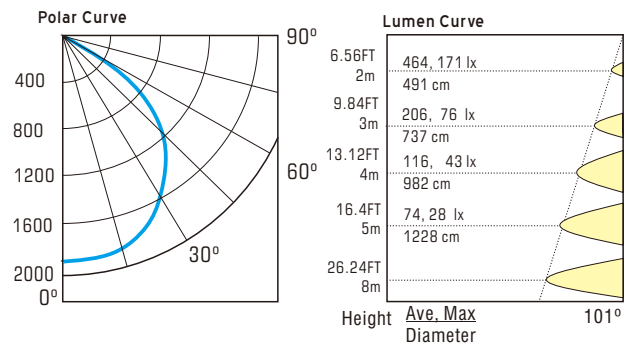


PHOTOMETRICS (FROSTY COVER)

MODEL# LT-TPA440 49W 4,000K 6,298 Lumens

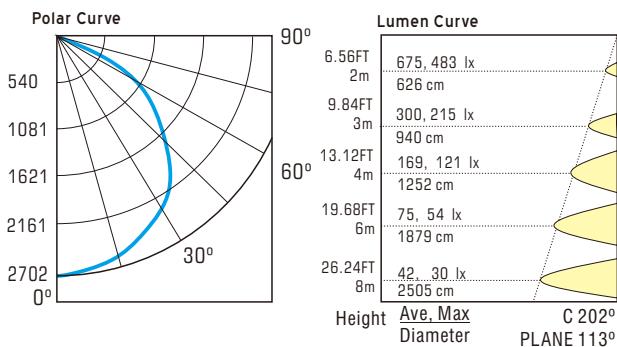


MODEL# LT-TPA440 40W 4,000K 5,169 Lumens

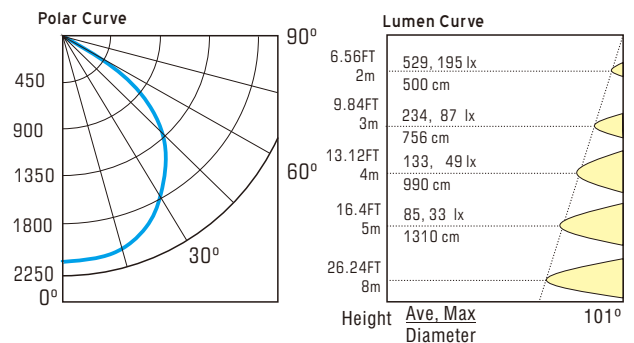


PHOTOMETRICS (CLEAR COVER)

MODEL# LT-TPA440 48.8W 4,000K 7,167 Lumens



MODEL# LT-TPA440 41W 4000K 5,879 Lumens



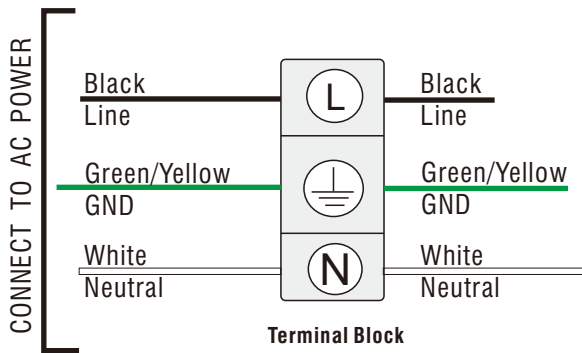
Catalog#	Type
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PACKAGE

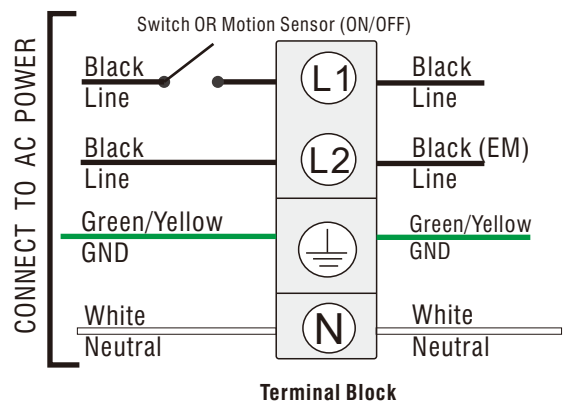
NO.	Model#	Carton Size (LXWXH)	N. W. / CTN	G. W. / CTN	QTY/CTN (PCS)
1	LT-TPA220	68X31X34 cm	7.00 Kg	9.00 Kg	6
2	LT-TPA432, LT-TPA436, LT-TPA440, LT-TPA444CPT	126X33X32 cm	14.00 Kg	16.90 Kg	9
3	LT-TPA808, LT-TPA810, LT-TPA812	246X25X25 cm	13.50 Kg	15.50 Kg	4

WIRE DIAGRAM

Wire Diagram (General Style)

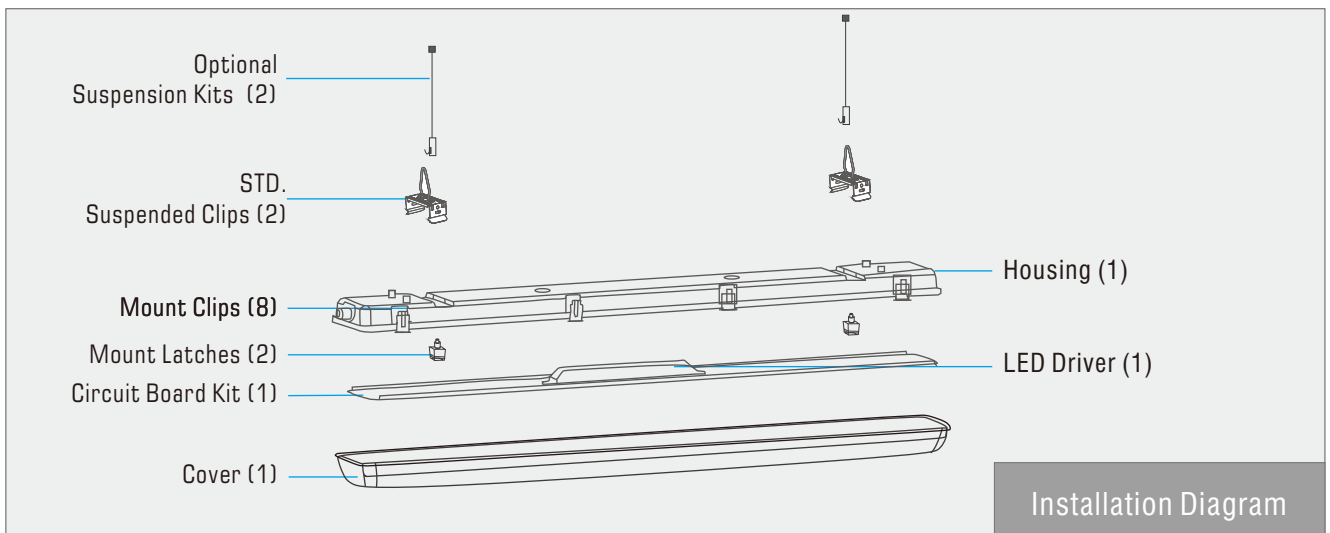


Emergency Wire Diagram (Switch)



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 (MS)

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

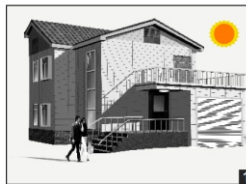
Daylight Harvest Function

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.

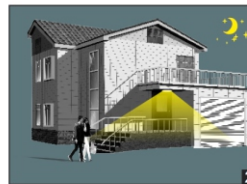


ON-OFF MODE

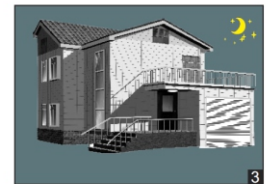
The microwave sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off.



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



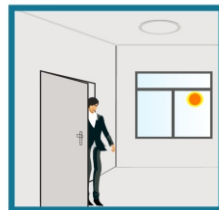
With insufficient ambient light, the sensor switches on the lamp when motion is detected.



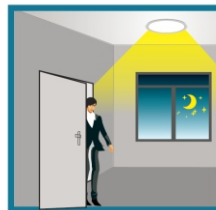
After hold time, the lamp gradually dims down if no motion detected.

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.



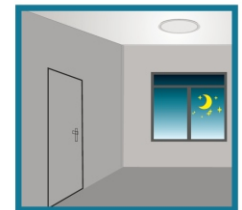
With sufficient ambient light, the sensor does not switch on the lamp.



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 (EM)

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)
- ▲ Work Temp.: 0°C ~ 50°C (32°F ~ 122°F)

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

