



Product Specifications

(EX LED VAPOR LIGHT)



The Ex LED vapor light is a powerhouse of durability and performance. Built with precision, it features a 6063 aluminum profile for superior heat dissipation and an anti-UV polycarbonate diffuser for IK10 impact resistance. Its die-cast aluminum end caps ensure strength in extreme conditions, while the IP66 waterproof design keeps it resilient in challenging environments. Equipped with high-quality, LM80-rated LEDs, it promises a lifespan of over 50,000 hours, backed by a 5-year warranty.

Whether lighting marine vessels, subway systems, or automotive manufacturing plants, these lights excel in high-humidity, high-temperature settings. Perfect for food processing plants, steel mills, and chemical facilities, their robust construction outlasts traditional solutions. This is more than just a light—it's a reliable partner in the toughest conditions.

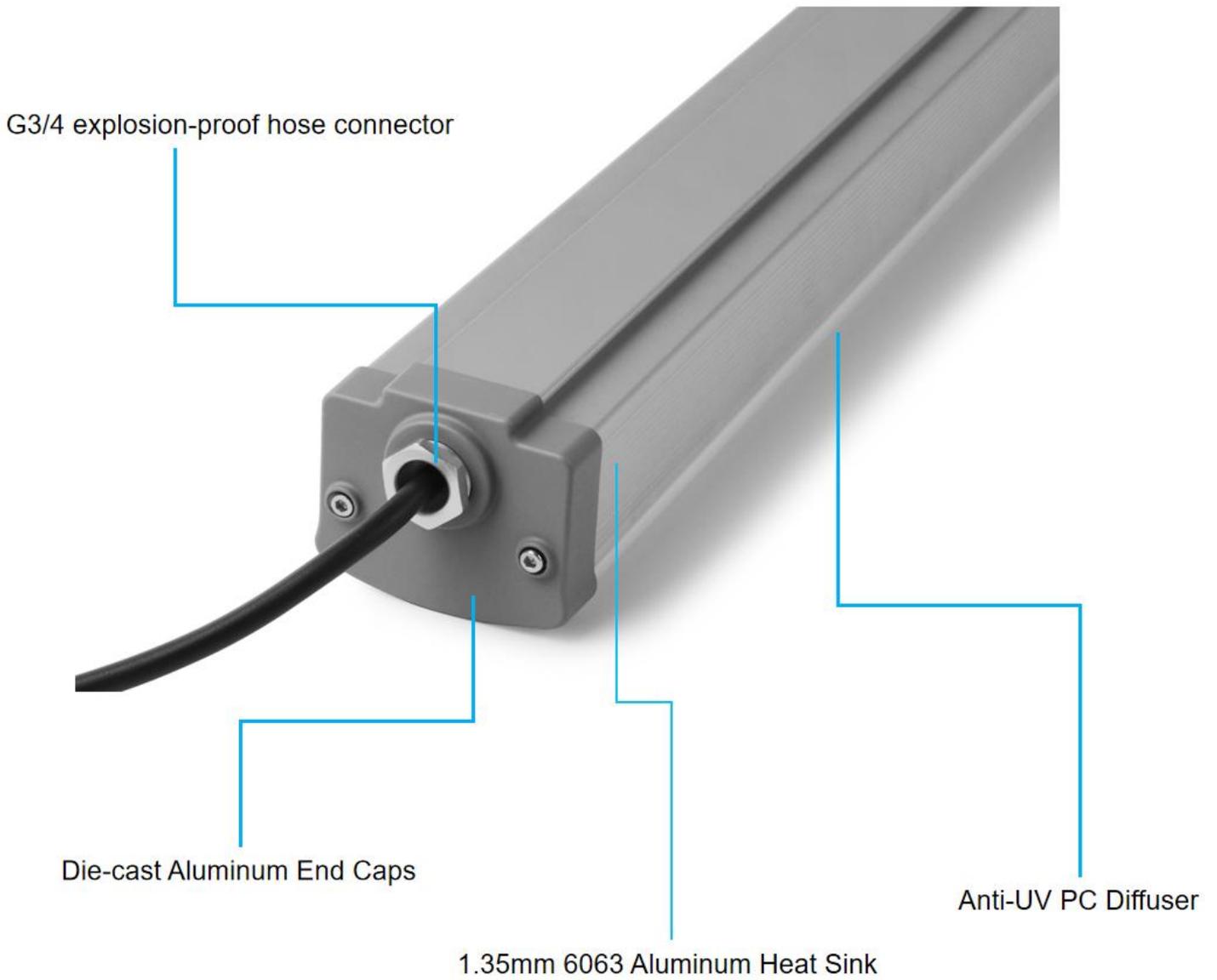
Features

- 6063 Aluminum profile for best heat sinking and anti-UV polycarbonate diffuser, high impact resistance IK10;
- Die-cast aluminum end caps provide enhanced durability in high-temperature, high-humidity environments or outdoor applications;
- Use high quality LM80 rated LEDs and power supply, to ensure the product reliability and life expectancy;
- Adopt dust and waterproof structure design, protection level IP66;
- Packed with reputed branded power supply, surge >2.5KV, high power factor >0.95, flicker free design;
- Long lifetime over 50,000 hours, 5 years warranty.

Technical Specifications

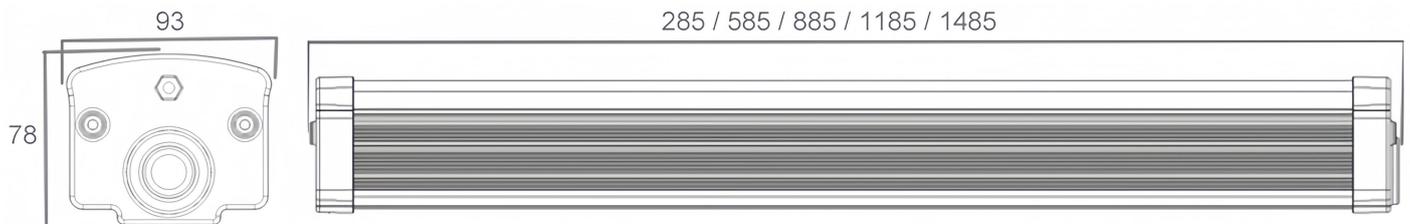
Model No.	LGS-TPLEX-03-XXW	LGS-TPLEX-06-XXW	LGS-TPLEX-09-XXW	LGS-TPLEX-12-XXW		LGS-TPLEX-15-XXW	
Dimensions(mm)	L285*W93*H78	L585*W93*H78	L885*W93*H78	L1185*W93*H78		L1485*W93*H78	
Power	20W	30W	40W	60W	80W	80W	100W
Lumen Output	2,800lm	4,200lm	5,600lm	8,400lm	11,200lm	11,200lm	14,000lm
Lumen Efficiency	140lm/w						
CCT	3000/4000/5000/5700/6500K						
CRI	Ra>80(Ra>90 on request)						
Beam Angle	120°						
Light Decay Rate	Less than 3% in 6,000Hours						
Lifespan	≥50,000Hrs						
Input Voltage	220-240Vac/100-277Vac 50/60Hz						
Power Factor	PF>0.95						
THD	<15%						
Driver Brand	Tridonic/Boke						
Material	Aluminum Housing+Die-cast Aluminum End Caps+Polycarbonate Cover						
Degree of Protection	IP66 & IK10						
Appearance	Silver Grey						
Installation	Mounted/Suspended						
Working Temperature	-30°C~+50°C						
Storage Temperature	-40°C~+70°C						
Certificate	CE, RoHS						
Warranty	5 years						
Optional Functions	Emergency, DALI, 0/1-10V Dimming, Sensor Available On Request						

Key Features

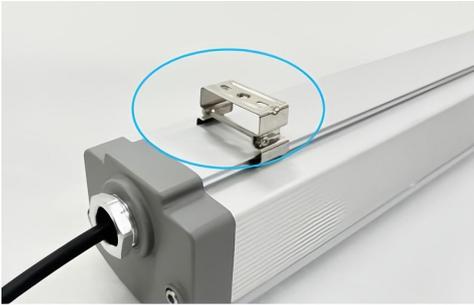


Dimensions and Drawings

Unit: mm



Mounting Accessories



Standard Ceiling Accessories



Self-installable $\phi 10\text{mm}$ Suspension Rod



Rotating Angle Bracket



Pipe-mounted Installation



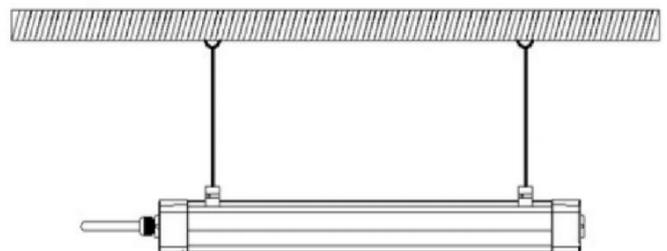
Stainless Steel Hanging Wire

Installations

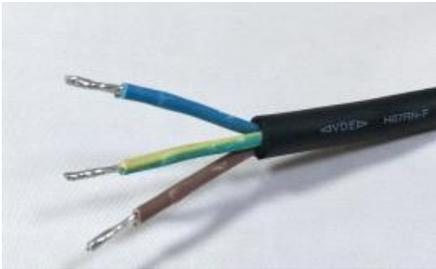
Surface Mounted



Suspended



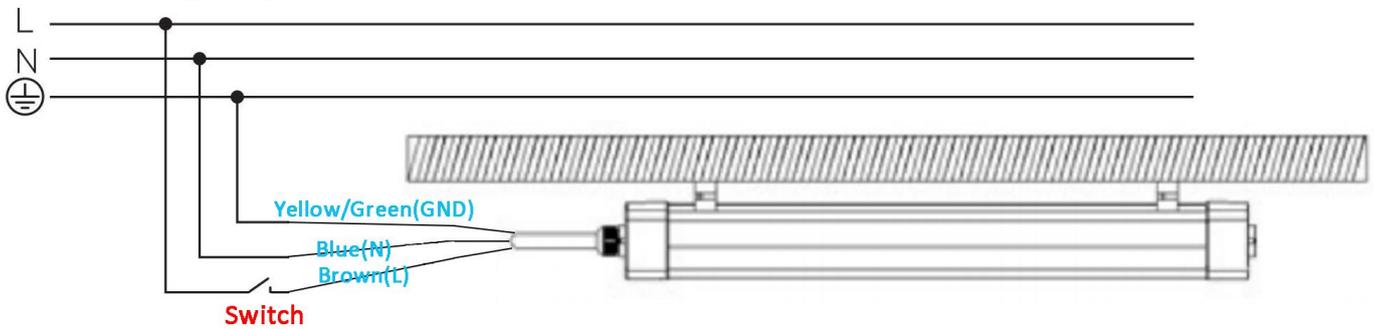
Wiring Diagram



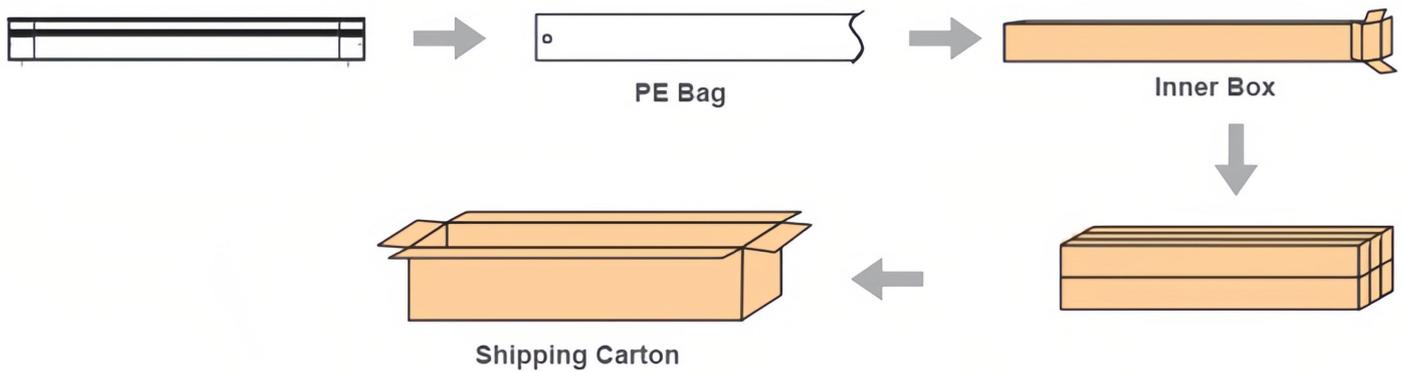
3*1.0mm² VDE Approval rubber cable

Item code	3 core cables
L	Brown
N	Blue
GND	Yellow/Green

220-240Vac 50/60Hz



Package



Length	Power	Qty.	Carton Size	G.W.(kg)
300mm	20W	12pcs/CTN	75*21*26cm	12kg/CTN
600mm	30W	6pcs/CTN	70*21*26cm	10kg/CTN
900mm	40W	6pcs/CTN	100*21*26cm	13kg/CTN
1200mm	60/80W	6pcs/CTN	130*21*26cm	16.5kg/CTN
1500mm	80/100W	6pcs/CTN	160*21*26cm	21kg/CTN

Installation Requirements

1. Power off before installation, and read the instruction carefully;
2. Make sure the installation material can endure the lamp weight;
3. Connect lamp wire to match power wire, and seal the joint with insulation;
4. No matter which kind of installation method, the lamp must be installed reliably to prevent loosening and falling off.

Notice

1. Please first read the product specification carefully, make sure the using environment conform to specification, then it can be used;
2. Please confirm the input voltage, frequency before use;
3. This product must be installed by professionals;
4. If there is any damage to the power wire or shell of the product, it should be taken as defective product and do not use;
5. Dangerous high voltage, non-professionals are not allowed to maintain the product;
6. If external soft cable or soft wire of the light is damaged, it should be replaced by manufacturer or service agent or personnel with similar qualification to avoid danger.

Applications

Ex LED vapor lights are widely used for public lighting, commercial lighting and harsh industrial lighting applications:

- Stockrooms, Warehouses, Workshops, Automotive manufacturing plants, high-humidity, high-oil-content food processing plants, steel mills, metallurgical plant, chemical plants;
- Outdoor pedestrian bridges, and other high-temperature specialized environments;
- Airport/Train/Bus station waiting rooms, Subway systems, Marine vessels, etc.

