

VOCARE
LED LIGHT

EU AU

Protac IP66 Explosion-proof Light

2023



— Quality Defender —

Features

- ATEX Marking: Ex II 3G Ex ec IIC T5/T6 Gc
Ex II 3D Ex tc IIIC T85...T100 Dc
- Granted by French Design Award and Muse Design Award
- IP66, IP69K, IK10 Approved, ECM, CE, RoHS Certified
- ATEX Quick Connector
- Material: High-strength PC Dual Color Housing
- Endcap: PA66 + Fibreglass
- High Efficacy: 150lm/w ±10%
- ENEC Certified Flicker Free Driver, THD<15%
- Input Voltage: AC200-240V 50/60Hz
- High Power factor: >0.95
- High CRI: Ra>80, SDCM<4
- L80B10(Ta=25°C)>50,000hrs, Warranty: 3 years
- CCT: 3000K: 3045±175K, 4000K: 3985±275K, 5000K: 5029±283K, 6000K: 6065±415K
- Suspending & Ceiling mounted for convenient installation and maintenance
- Application: Thermal / Oil Refinery / Power Plant / Chemical / Laboratory

Indoor And Outdoor Operations, Construction Sites, Devices And Facilities, etc.



Data Sheet

Article Number	Power(W)	Lumen(lm)
VOC-P69X2-20-YD	20	3000
VOC-P69X3-30-YD	30	4500
VOC-P69X4-36-YD	36	5400

*The "X" represents CCT, it can be W(3000K/4000K), P(5000K), C(6000K)



Efficacy Version

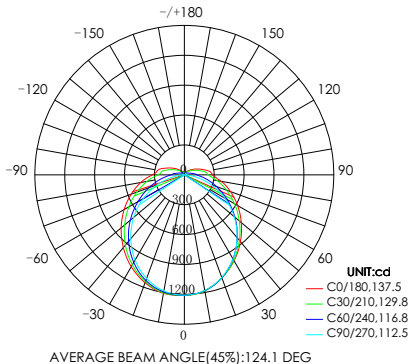
Cover	Standard
Frosted	150lm/w

Please note:

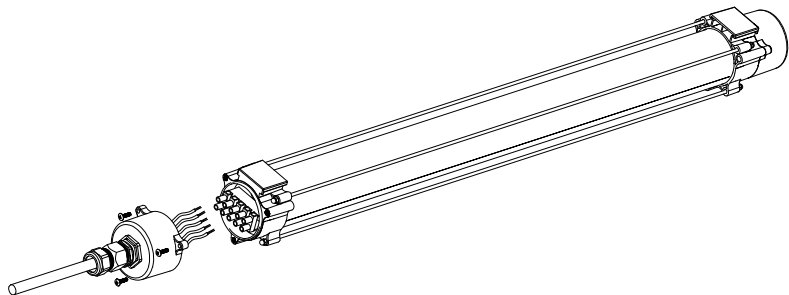
- 1. Above efficacy based on 4000K
- 2. All values are based on an ambient temperature of 25°C
- 3. Efficacy tolerance is ± 10% and wattage tolerance is ±10%

Light Source	SMD2835
CRI	> 80
Beam Angle	120°
CCT	3000K/4000K/5000K /6000K
AC Input	200-240V 50/60Hz
SDCM	< 4
Waterproof	IP69K / IP66
IK Rate	IK10
Power Factor	> 0.95
Warranty	3 Years
Operating Temperature	-20~+40°C

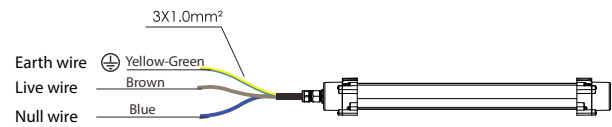
LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



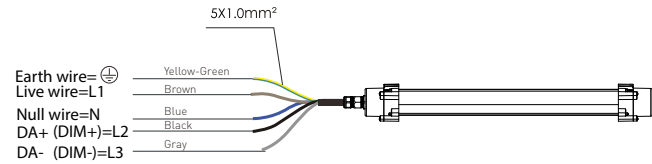
Connection Methods



1 Standard



2 DALI & 1-10V Dimmable



Available Dimming Methods

Suggested Compatible Dimmers for DALI:
Tridonic (European market)
Lutron & Leviton (American market)
Philips Dynalite & Clipsal (Australian market)

Standard

Single-seal
ATEX connector

Optional

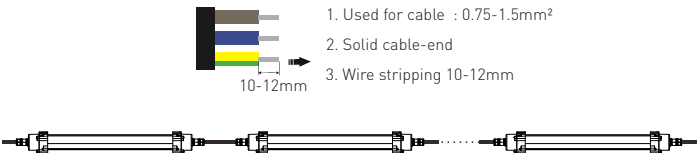
Double-seal armored
ATEX connector

Optional

Pipe-connecting type
ATEX sealed connector

Available Quantity in Series Connection

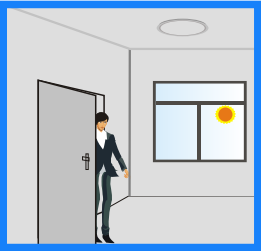
Power (W)	Input Votage (V)	Maximum Quantity Connecting in Series
20	230	46pcs
30	230	30pcs
36	230	25pcs



Microwave Sensor Series

● 100% on/off Version

Switch on the light on detection of movement, and switch off after a hold time when there is no motion detected.



When there is no motion detected, the sensor does not switch on the lamp.



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



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



Max.8M



Hold Time
30s~2min



Mounting Height
6m Max.



Automatic
On/Off

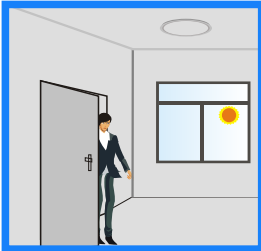


3 Years
Guarantee

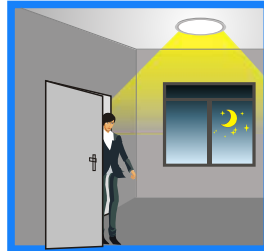
Remark: 1.Brightness is 100% (75%, 50%, 10% optional)
2. Standard hold time is 90s (5s/ 5min /15min optional)

● 3-step dimming function

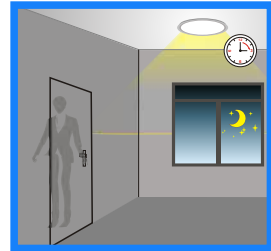
When used in combination with 1-10V dimmable LED drivers and ballasts, the sensors can achieve 3-step dimming function, 100%---> low light--->off. And the sensors build in adjustable daylight sensors, very easy to install and cost-effective.



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.



Max.8M



Hold Time
30s~2min



Mounting Height
6m Max.



Automatic
Dimming



3 Years
Guarantee

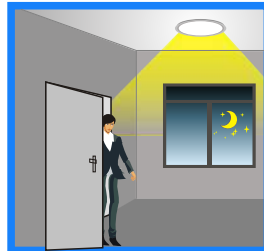
Remark: 1. 100% brightness hold time is 90s (5s / 5min / 15min optional)
2. Stand-by dimming level is 30% (10% optional)
3. Stand-by time is 0s / 10s / 10min

● 2-Step Brightness Dimming Version

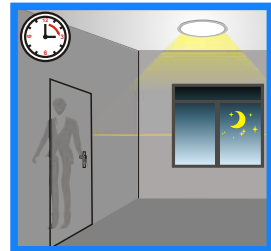
The sensors can provide 2-step dimming function, 100 %----> low light (Never turn off). They are particularly suitable for use in corridors, stairwells and underground passages where low light levels are maintained until motion is detected.



No motion detected, the lamp remains at a low light level all the time.



When motion is detected, the sensor brightens the lamp to 100% illumination.



After the hold time, the sensor dims the lamp at the preset low light level if no motion is detected.



Max.8M



Hold Time
30s~2min



Mounting Height
6m Max.



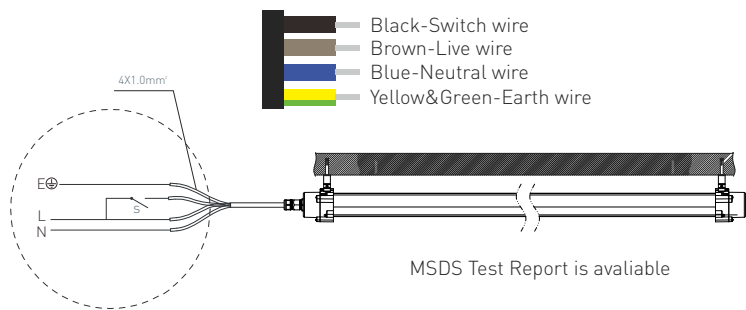
Automatic
Dimming



3 Years
Guarantee

Remark: 1. 100% brightness hold time is 90s (5s / 5min / 15min optional)
2. Stand-by dimming level is 30% (10% optional)

Emergency Series



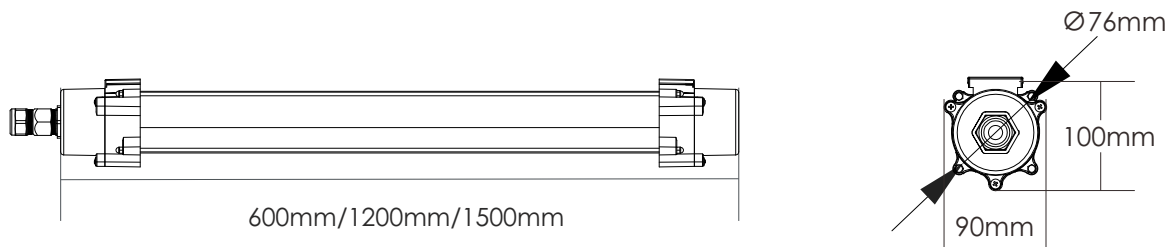
Article Number	Emergency Power	Battery Parameters
VOC-P69X2-20-YD	3W	6.4V 1800mAh
VOC-P69X3-30-YD	3W	6.4V 1800mAh
VOC-P69X4-36-YD	3W	6.4V 1800mAh

Remark:

- 1 Indicator color (Green – Recharging & Working, Yellow – malfunction)
- 2 Battery can be recharged at least 500 times. In order to maintain the battery well it must be discharged every 3 months.

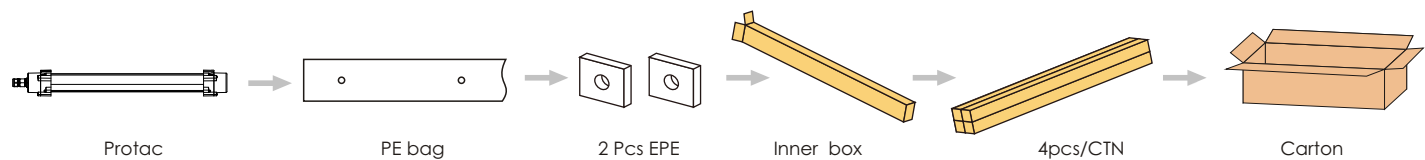


Dimension



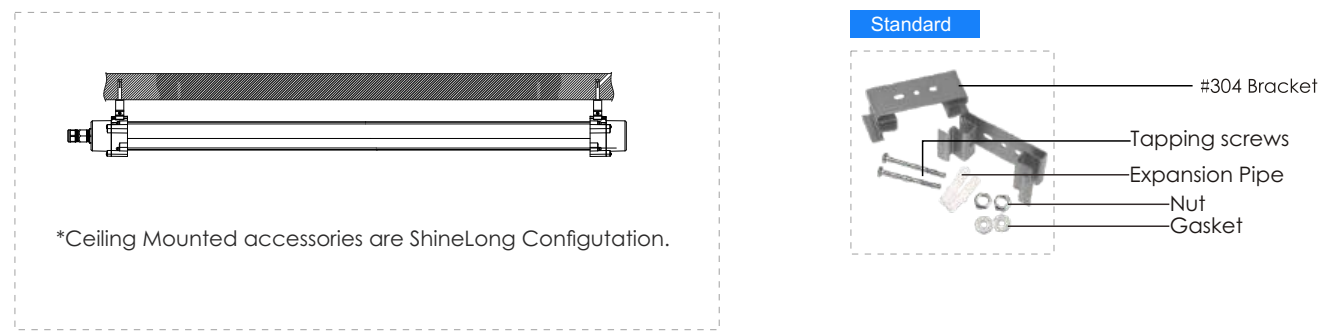
Packaging

Length	Carton Size (4pcs/ctn)	N.W.(CTN)	G.W.(CTN)	20'GP	40'GP	40'HQ
600mm	950*210*230mm	10Kg	11Kg	2400pcs	5440pcs	5920pcs
1200mm	1250*210*230mm	14Kg	16Kg	1760pcs	3720pcs	4080pcs
1500mm	1550*210*230mm	16Kg	18.5Kg	1400pcs	2920pcs	3200pcs



Installation

Ceiling Mounted Installation



All the operations must be in the condition of power off



- 1.Please note that DO NOT use this product in the following places/application. The place has a large quantity of chemical corrosive substance, such as: chemical plant and stockyard etc.
- 2.The place has poor temperature conditions, the applicable operating temperature of the lamp is $-20\sim+40^{\circ}$, Sharply temperature variation, which would increase the risk of damage to the lamp.
3. Please note that lamp must be reliable grounding. Make sure that your application is completely connected to ground firstly. Otherwise, it will do heavy damage to lamp if lamp's earth wire can not be efficiently connected to the ground.

