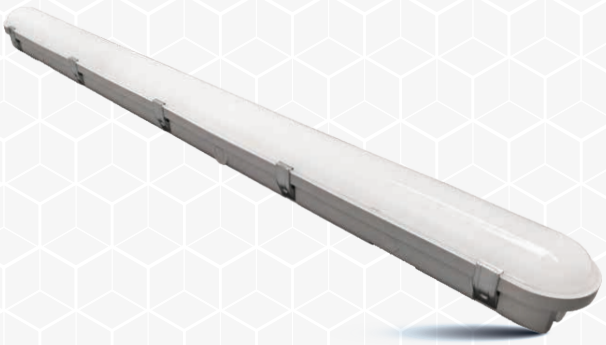
ORTECH®
Product Specification Sheet

VAPOUR TIGHTS
VT-50W-5CCT+W | VT-50WMS-5CCT+W



HIGHLIGHTS

Durable 4-ft LED tri-proof vapour-tight light designed for high-performance illumination in demanding industrial environments.

- Slotted iron Board, excellent heat dissipation
- Wide application for: supermarket, warehouse, underground parking place, garage, production workshops, etc.
- Fast and easy installation
- Engineered with IP66 protection for wet, dusty, and corrosive environments
- Bright, uniform illumination with low energy consumption
- Emergency battery solution available **(custom orders only)**

135 LM/W | 120-347V AC | 80+Ra CRI | 120°

CERTIFICATIONS

c UL us LISTED | DIMMABLE | NEMA 4X | Wet Location | IP66 | DLC LISTED

COLOUR TEMPERATURE

3000K / 3500K/ 4000K / 5000K / 6000K (Selectable)

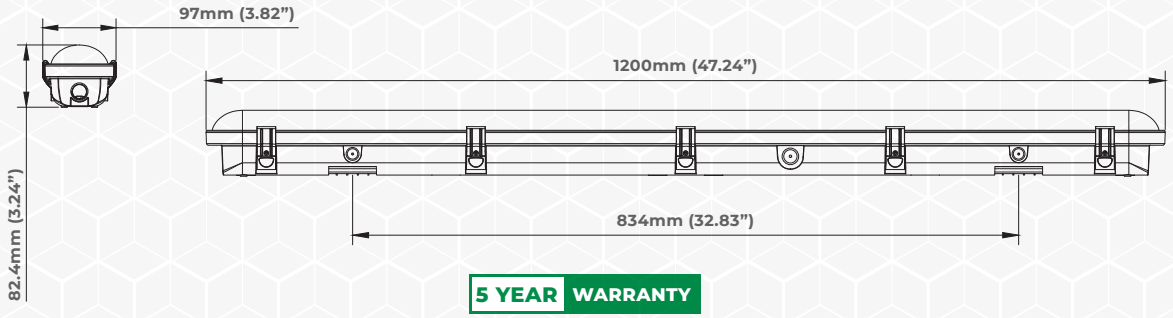
SPECIFICATIONS / ACCESSORIES

MODEL	VT-50W-5CCT+W | VT-50WMS-5CCT+W
Wattage	30W/40W/50W
Voltage	120-347V AC, 60Hz
Lumens	6800 lmn
Beam Angle	120°
Lifetime	50,000 hours
Dimmable	Yes (0-10v dimming)
CRI	80+Ra
Rating	IC rated/ Wet Location
Grade of Protection	IP66
Power Factor	>0.9
Operating Temperature	-20°C ~ +40°C



VT-SUS-KIT
Aircraft cable length: 4.92ft.

DIMENSIONS



5 YEAR WARRANTY

ORTECH reserves the right to modify at any time, without notice, any or all of our product's features, designs, components and specifications to meet market changes.

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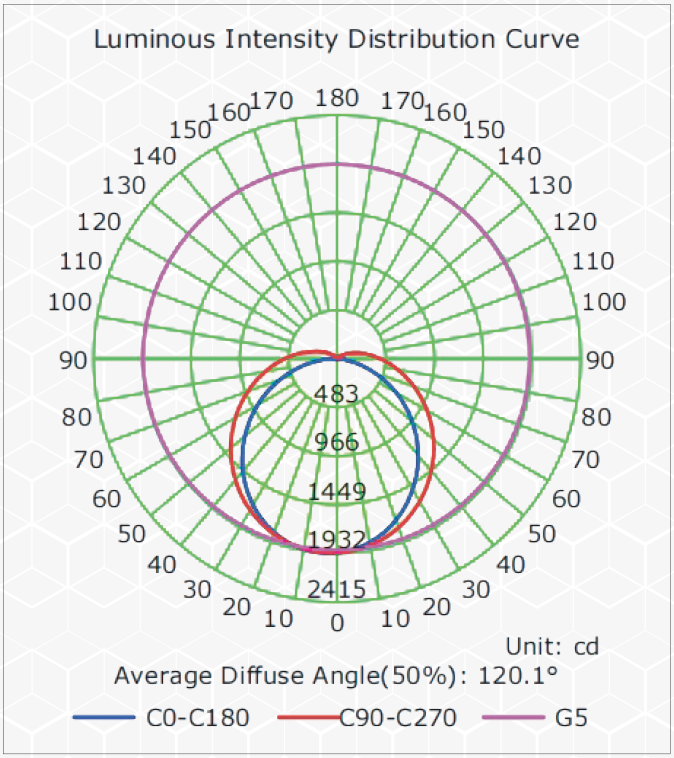
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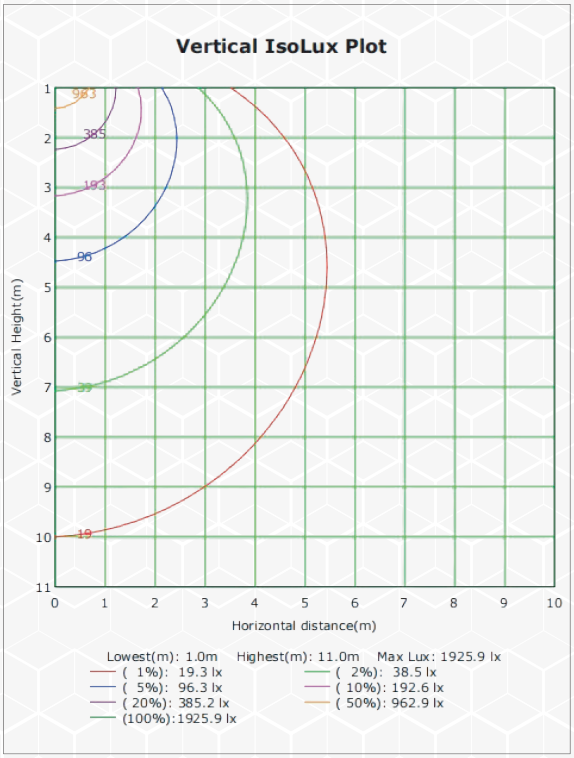
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VAPOUR TIGHTS

VT-50W-5CCT+W | VT-50WMS-5CCT+W

TESTING REPORT













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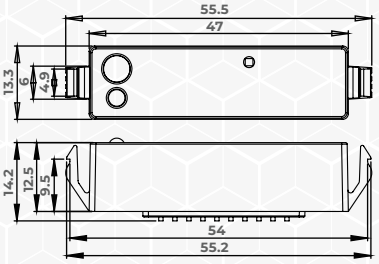
Product Specification Sheet

VAPOUR TIGHTS

VT-50W-5CCT+W | VT-50WMS-5CCT+W

MICROWAVE BI-LEVEL SENSOR



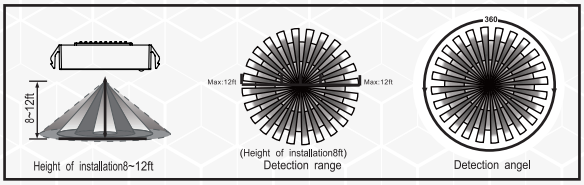


SENSOR SPECIFICATIONS

Power Supply	10V-14V DC, >50mA
HF System	5.8GHz±75MHz
Dim Control Output	0-10V, max. 25mA sinking current
Detection Radius/Angle	Max. 12 ft. (4m) / 360º
Mounting Height	Max. 12 ft. (4m)
Remote Angle	50 ft. (15m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-40°F ~ 158°F (-40°C ~ 70°C

WARNING

- Warm up time is 15 seconds. After the sensor connects input power first time, the light will keep on 15 seconds, then go to dimming to work normally.
- **Factory default setting:** 100% sensitivity, Hold on time: 10 seconds, Daylight sensor disable, Stand-by level: 30%, Stand-by time indefinite.
- Any setting changed by DIP switch, the led light that sensor connect will on/off as confirm.



MOTION SENSOR FUNCTION AND OPTIONS

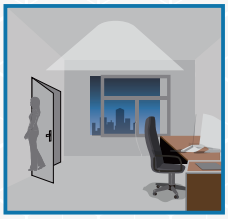
It offers 3 levels of the light control: 100% - dimming light (0, 10%, 30%, 50%) - off;
Periods of selectable waiting time: motion hold-time and 24 hours, selectable daylight threshold, and freedom of detection area.
If natural light lower, light-control setting (10Lux, 30Lux, 50Lux), the light will not automatically on (0, 10%, 30%, 50%). When person enter in the room, the light will on 100%, after person left the room, the room enter in stand by level after hold on time.



With sufficient natural light, the light does not switch on when presence detected.



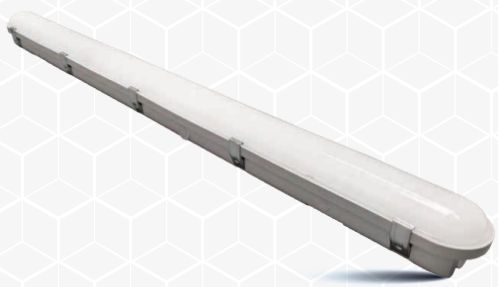
With insufficient natural light, the sensor switches on the light automatically when person enters the (options) standby level after the room. The light never switch off with presence, even if the natural light is sufficient.



People left, light still dims to 0/ 10%/ 30%/ 50% (options) standby level after teh hold time.



The light switches off automatically after the dimming time elapsed.



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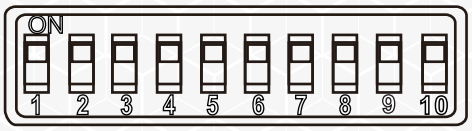
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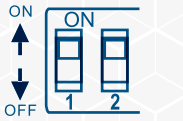
PARAMETER SETTING BY DIP SWITCH

Consider the picture: 1, 2 set sensitivity; 3, 4 set hold time; 5, 6 set the lux; 7, 8 stand-by light level; 9, 10 set stand-by time;



DETECTION RANGE SETTING (SENSITIVITY)

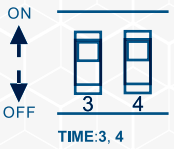
Detection range can be reduced by selecting the combination on the DIP switches to fit precisely each application:



SENSITIVITY 1	2	
↓	↓	20%
↓	↑	50%
↑	↓	75%
↑	↑	100%

HOLD TIME SETTING

The light can be set to stay ON for any period of time between approx. 10 sec and a maximum of 15 min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Switch location and hold time of the corresponding table as follow:



TIME 3	4	
↓	↓	10S
↓	↑	1Min
↑	↓	5Min
↑	↑	15Min

LIGHT-CONTROL SETTING

The chosen lamp response threshold can be infinitely from approx. 10-50lux, switch location and light-control of the corresponding table is as follow:



LIGHT 5	6	
↓	↓	☼ (light sensor disable)
↓	↑	10Lux
↑	↓	30Lux
↑	↑	50Lux

STAND-BY LIGHT LEVEL SETTING

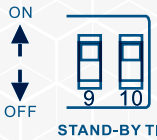
The corresponding file of switch location and stand-by level as follow:



STAND-BY LEVEL 7	8	
↓	↓	0%
↓	↑	10%
↑	↓	30%
↑	↑	50%

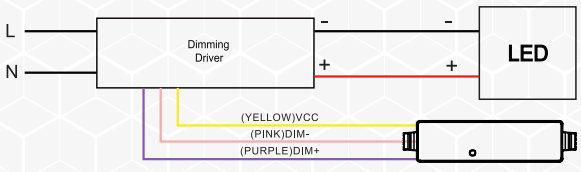
STAND-BY TIME SETTING

The corresponding file of switch location and stand-by time setting as follow:



STAND-BY TIME 9	10	
↓	↓	+∞
↓	↑	1Min
↑	↓	30Min
↑	↑	60Min

WIRING DIAGRAM



REFERENCE	QUANTITY	REMARKS	PROJECT DETAILS
			Project:
			Location
			Architect:
			Engineer:
			Contractor:
			Submitted By:
			Date:

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