

VFF Series

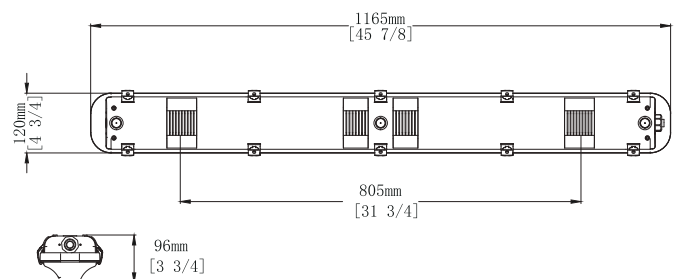
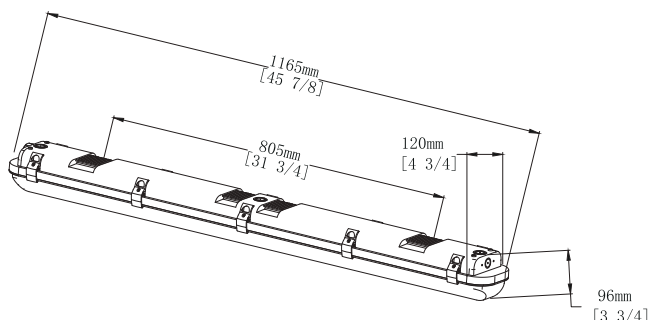
The vapor tight fixture is a cost effective and energy efficient alternative to traditional fluorescent tubes or strip light fixtures. Featuring a full-length, casketed polycarbonate lens and single piece non-corrosive polycarbonate body, this vapor tight led is protected with IP65 rating, sealed and casketed against dust, dirt, and humidity, making it ideal for both indoor and outdoor harsh environments applications, including utility lighting, parking garages, freezers and cold storage facilities, food processing, car washes, stairwell lighting and low bay lighting. Additionally, ceiling or surface mounted, this led tri proof light has an initial lumen range of 130-145LPW, and features 0-10V dimming standards. As well, this model comes with a motion sensor for maximum energy savings as well as 90 mins emergency battery backup options.



FEATURES

- ETL/cETL listed for wet locations.
- 130 lumens per watt(Frosted Lens)
- 100-277/120-347VAC universal voltage
- 0-10V dimming standard
- Microwave Motion Sensor for Bi-Level control
- 90 mins Emergency Battery Backup

DIMENSION:(mm/in)



VFF Series

APPLICATIONS

- Wet areas
- Outside walkways
- Warehouses
- Storage areas
- Industrial units
- Farm buildings (Non-corrosive atmosphere)
- Garages
- Workshops
- Car parks
- Changing rooms
- Resistant to impact and many chemical agents, but for suitability in specific environments please take specialist advice

CONSTRUCTION

- White coloured polycarbonate
- Polycarbonate diffuser integrated with powder coated lighting tray
- Stainless steel clips
- Reinforced drill points in base for direct surface fixing, or conduit suspension.
- Stainless steel surface mounting clips
- Can also be suspended from wire/chain using clips provided



Supermarket



Farm buildings

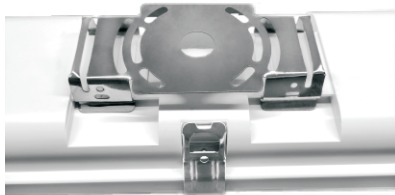


Parking lot lighting



Warehouses

PRODUCT DETAILS



Accessory mounting kits available for junction box, Quick-mount, surface, stainless steel spring clips supplied.

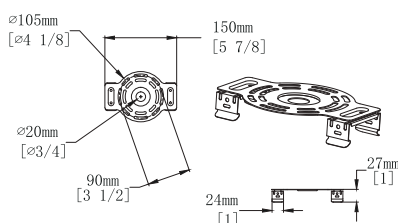


The light transmittance of PC cover is up to 92%. The integrated design of Lens Cover and LED Plate is more convenient to install and use.

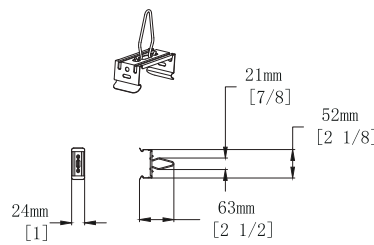


The mount brackets keep adjustable space for easy correction.

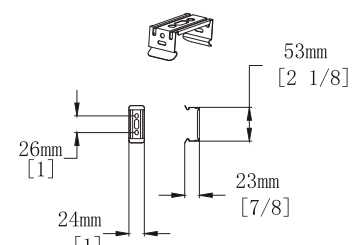
INSTALLATION



J-Box Installation



Hoisting Installation



Ceiling Installation

VFF Series

TECHNICAL SPECIFICATION

- Input Voltage : 100-277/120-347Vac
- Driver Type : UL Driver
- Luminous Efficacy : up to 130lm/w
- Colour Rendering Index : > 80Ra
- LED Type : LM80 SMD2835
- Operating : Temperature:-40°C up to 50°C (-40°F up to 122°F)
- Color Temperature : 3000K/4000K/5000K/3CCT adjustable
- Material : Polycarbonate Body & Diffuser
- Ingress Protection : IP65
- Impact Rating : IK08
- Rated Life : 50,000 hours
- Warranty : 5 years

Family Model and Variation:

VFF040-XXXXP[Blank,-SR,-EM,-RM] **VFFXX-XXXXP**[Blank,-SR,-EM,-RM] **VFFHVXX-3CTXP**

VFF040-; **VFFXX**["XX" =Power adjustable=40/50/60] -

"XXX" denotes CCT, could be 40K: 4000K, 50K: 5000K;

"X" denotes LENS [Frosted cover, C= Clear cover]; P = 0-10 V dimming,

[Blank,SR,EM,RM] denotes product features, could be Blank,

SR: Sensor, EM: Emergency supply, RM: Sensor + Emergency supply.

VFFHVXX-3CTXP HV=120-347Vac,["XX" =Power adjustable=32/40/50]

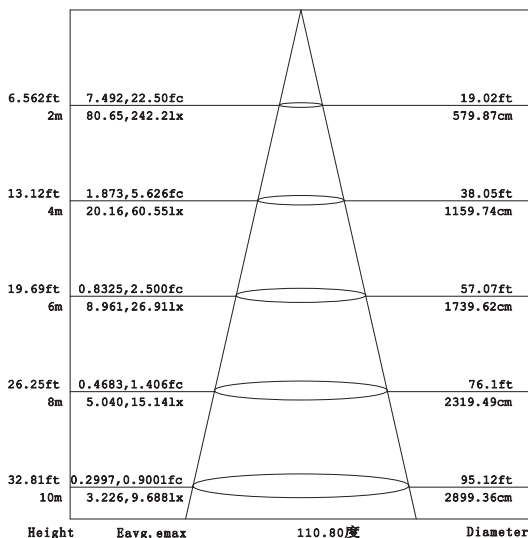
3CT=Color temperature is adjustable((3000K 4000K 5000K);"X"

denotes LENS [Frosted cover, C= Clear cover]; P = 0-10 V dimming,

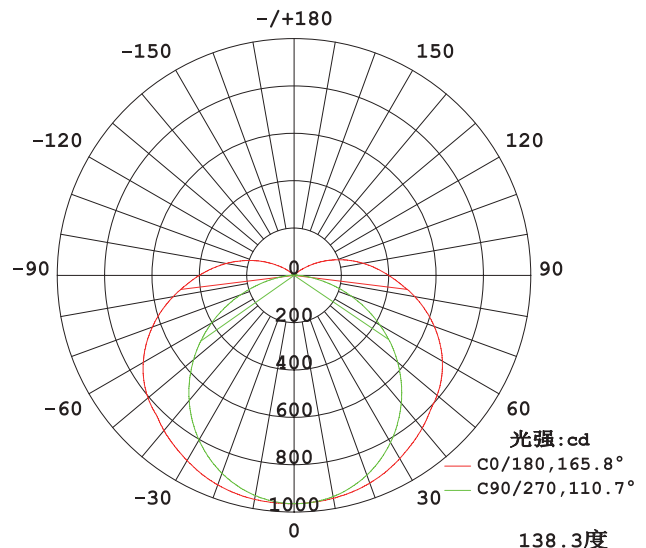
Produce Code	VFF040-XXXXP-XX	VFFXX-XXXXP-XX	VFFHVXX-3CTXP
Power Consumption(W)	40W	40W/50W/60W adjustable	32W/40/50W adjustable
Lumens Delivered (lm)	5200lm	7800lm((60W)	6500lm(50W))
Efficacy (lm/W)	130lm/W(Frosted)	130lm/W(Frosted)	130lm/W(Frosted)
Beam Angle	165°120°	165°120°	165°120°
CRI	80	80	80
Power Factor	>0.9	>0.9	>0.9
Housing	PC	PC	PC
Installation	Surface Mount/ Chain/Junction box	Surface Mount/ Chain/Junction box	Surface Mount/ Chain/Junction box
Operating Temperature	-40°C up to 50°C (-40°F up to 122°F)	-40°C up to 50°C (-40°F up to 122°F)	-40°C up to 50°C (-40°F up to 122°F)
Certification	ETL/cETL	ETL/cETL	ETL/cETL

LUMINAIRE PHOTOMETRIC

Cone illuminance Diagram:



Luminous Intensity Distribution Diagram:



VFF Series

The IP65 non-corrosive that outperforms its competitors



ALL-POLYCARBONATE CONSTRUCTION. VO fire retardant polycarbonate ensure high standard of safety and maximum impact rate of IK08.



STAINLESS STEEL CHIPS with hole design. Can be opened or locked easily by hand.



REVOLUTIONARY DESIGN. Advanced design of polycarbonate diffuse integrated with lighting tray provide significant protection on LEDs and saving on installtion and maintenance.

MICRO-WAVE & EMERGENCY AVAILABLE. Suitable for various kinds of applications.

WARNING :

- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person.
- If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
- Maximum number/power of fittings for loop in/out power option: 10 units/ 750W

VFF Series

Motion sensor is optional (BRI810-H-D)

Utilizing Field And Introduction

BRI810-H-D is a moving object sensor that can detect range of 360° and its working frequency is 5.8GHz. The advantage of this product is stable working state (stable working temperature: -40°C~+70°C), BRI810-H-D adopts a microwave sensor (high-frequency output <0.2mW), so that it is safe and performs better than infrared sensor.



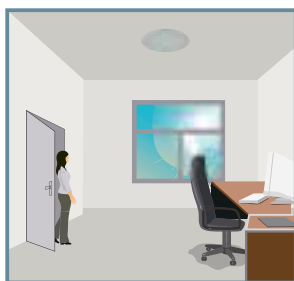
BRI810-H-D

RC-100
(OPTIONAL)

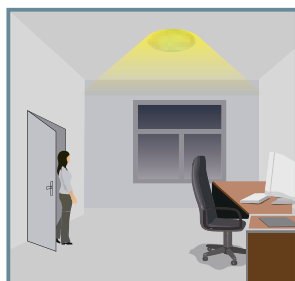
Function And Options

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

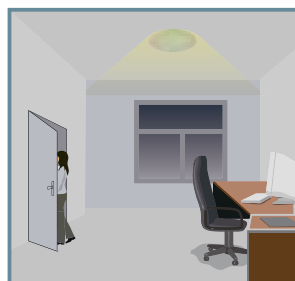
It offers 3 levels of the light Control: 100%--dimming light (0,10%,30%,50%) --off; and 2 periods of selectable waiting time: motion hold-time and stand-by time. Selectable daylight threshold and choice of detection area.



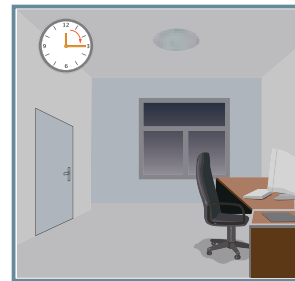
With sufficient natural light, the light does not switch on when presence detected.



With insufficient natural light, the sensor switches on the light automatically when person enters room.



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



Light switches off automatically after stand-by time elapsed.

Emergency

8W Emergency LED Driver – EMB08YY-050, rated 100-277V, 50/60Hz, 50mA, 3W input. 25-50Vdc, 250 mA, 8W output. Charge Time, 24 Hours. Run Time, 90 minutes.

15W Emergency LED Driver – EMB15YY-050, rated 100-277V, 50/60Hz, 65mA, 4W input. 25-50Vdc, 450 mA, 15W output. Charge Time, 24 Hours. Run Time, 90 minutes.



PACKAGING

Model No.	Qty (pcs)	L*W*H (CM)	QTY Per Carton	Carton QTY	NW. (kgs)		G.W. (kgs)		Meas. (CBM)	
					Per CTN	TOTAL	Per CTN	TOTAL	Per CTN	TOTAL
VFF series	6	119.5*33.5*28	6	1	15	15	17.5	17.5	0.11	0.11