

# LED VARIFLOOD LIGHT

(Regular/Dimmable/Microwave sensor)

(140lm/w)

(130lm/w)



## FEATURES

- >> Adjustable projecting direction
- >> Instant on/ off; No UV/ flickering
- >> 50% less power consumption than traditional light sources
- >> VDE/UL listed 3\*1.0mm<sup>2</sup> rubber cable with cold-pressed terminal
- >> Use ultra-high brightness Philips Chips which could up to 140LM/W
- >> Aluminium material whose capability of heat dissipation is superior
- >> .ies/.ldt files are available



**CB**



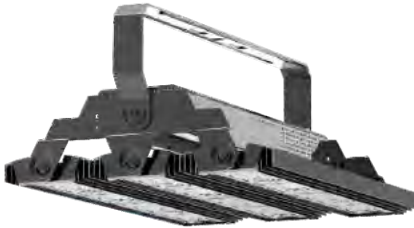
100W



150W



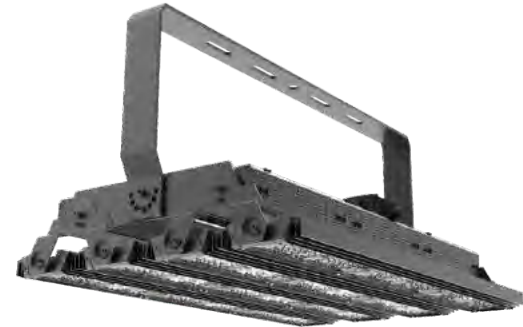
200W



300W



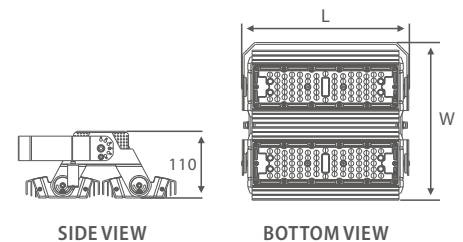
400W / 450W



600W

## OUTLINE DRAWING(MM)

	100W	150W	200W	300W	400W	450W	600W
L (mm)	275	275	544	544	755	755	755
W (mm)	258	373	258	373	373	373	516



PRODUCT DETAILS

01



**IP65 Microwave Motion Sensor**

Order code : A-0000-0073

Part No. :	MC031V B
Detection zone :	8m
Hold Time :	5s - 30min
Mounting Height :	15m max
Automatic Dimming:	10% - 50%

1. Automatic dimming when used in combination with 1-10V dimmable Transflood light
2. Built-in adjustable daylight sensor
3. Detection area, time delay and daylight threshold can be precisely set via DIP switch.
4. Wide detection area, range up to 16m in diameter and mounting height 15m max. suitable for warehouse.
5. Optional mounting brackets for different application.

02



**Surge Protector**

(With PHILIPS driver) Order code : A-0000-0094  
(With MEANWELL driver) Order code : A-0000-0082

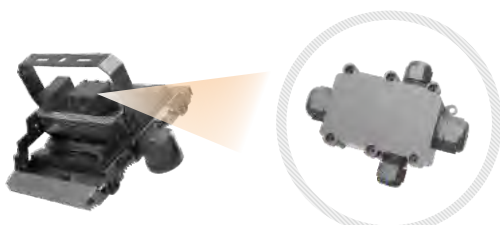
Part No.:	SPD-ZGDD10-320(P4)
Surge handling capability:	10 KV
Working temperature :	-40°C ~ +70°C
IP :	67
Relative humidity :	5% - 95% (25°C)

1. Surge handling capability is up to 10KV, satisfied IEC standard;
2. SPD can effectively protect the lamp after the occurrence of a surge;
3. The artful appearance, easy to install;
4. IP67 dust prevention water proofing can be used in the outdoors.
5. SPD-ZGDD10-320(P4) is suitable for PHILIPS Driver

SYSTEM CONNECTION DIAGRAM

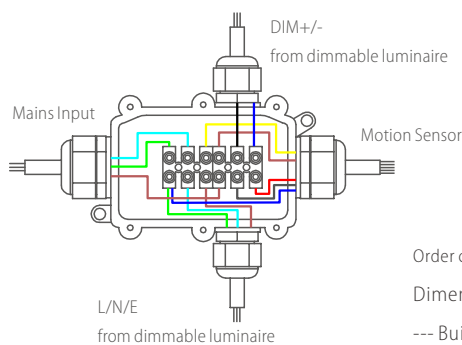


03



**Junction box IP65**

The wiring scheme is suitable for 1-10v dimmable VariFlood with microwave motion sensor to achieve 3-step dimming function.



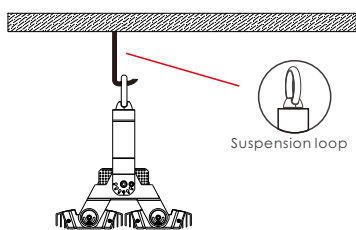
Order code: 84-1100-0001

Dimension(mm): 130\*55\*37

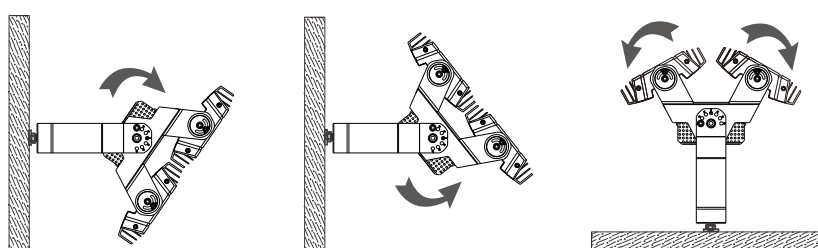
--- Built-in VDE listed terminal block

INSTALLATION

Suspended



wall mounted / ground mounted



## PRODUCT PARAMETER

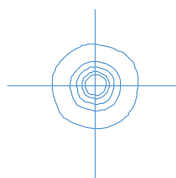
	Part No.		Power	Voltage	PF	Luminous Flux		
	Regular	Dimmable				@4000K	@5000K	@5700K
140 lm/w CRI>70	VL100-XXN-HM	VD100-XXN-HM	100W	220-240 VAC	> 0.95	14000 lm	14000 lm	14000 lm
	VL150-XXN-HM	VD150-XXN-HM	150W	220-240 VAC	> 0.95	21000 lm	21000 lm	21000 lm
	VL200-XXN-HM	VD200-XXN-HM	200W	220-240 VAC	> 0.95	28000 lm	28000 lm	28000 lm
	VL300-XXN-HM	VD300-XXN-HM	300W	220-240 VAC	> 0.95	42000 lm	42000 lm	42000 lm
	VL400-XXN-HM	VD400-XXN-HM	400W	220-240 VAC	> 0.95	56000 lm	56000 lm	56000 lm
	VL450-XXN-HM	VD450-XXN-HM	450W	220-240 VAC	> 0.95	63000 lm	63000 lm	63000 lm
	VL600-XXN-HM	VD600-XXN-HM	600W	220-240 VAC	> 0.95	84000 lm	84000 lm	84000 lm
130 lm/w CRI>80	VL100-XXN-FM	VD100-XXN-FM	100W	220-240 VAC	> 0.95	13000 lm	13000 lm	13000 lm
	VL150-XXN-FM	VD150-XXN-FM	150W	220-240 VAC	> 0.95	19500 lm	19500 lm	19500 lm
	VL200-XXN-FM	VD200-XXN-FM	200W	220-240 VAC	> 0.95	26000 lm	26000 lm	26000 lm
	VL300-XXN-FM	VD300-XXN-FM	300W	220-240 VAC	> 0.95	39000 lm	39000 lm	39000 lm
	VL400-XXN-FM	VD400-XXN-FM	400W	220-240 VAC	> 0.95	52000 lm	52000 lm	52000 lm
	VL450-XXN-FM	VD450-XXN-FM	450W	220-240 VAC	> 0.95	58500 lm	58500 lm	58500 lm
	VL600-XXN-FM	VD600-XXN-FM	600W	220-240 VAC	> 0.95	78000 lm	78000 lm	78000 lm

\* XX : A02 / A03 / S01 / S02 / S03

## SPECIFICATIONS

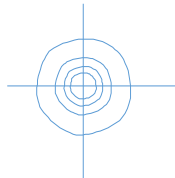
Operating temperature range		-30°C to +45°C
Driver Vender		Philips
LED Vender		Philips
Smart control options		Occupancy sensor / daylight sensor / 1-10V dimming
Material	Structure:	Extruded 6063AL
	Finish:	Sand blasting and anodized
	Lens:	Tempered (clear/ frosted)
Polycarbonate		
Color		Matte black
Mounting options		Suspended / wall mounted
CRI		>70 / >80
IP grade		IP66
IES/LDT file		Available

## OPTICS SYSTEM FOR VARIFLOOD



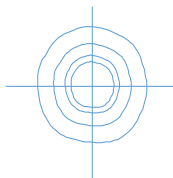
**Narrow beam Symmetric S01**

The narrow beam distribution is ideal for applications where a tighter beam is required. It delivers intense beam for long distance illuminations such as high mast soccer/hockey pitch, tall trees etc..



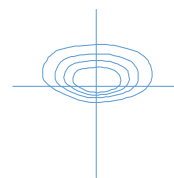
**Medium beam symmetric S02**

The medium beam delivers symmetric patterns especially for applications that require a wider uniform patterns with medium setback such as facades, signage, general landscapes etc..



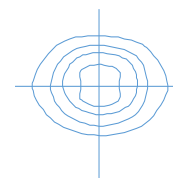
**Wide beam symmetric S03**

The wide beam provides a large and uniform light pattern for applications with shorter setbacks. For example, large facades, signage and broad landscapes. It is also an ideal for pole mounted applications for general area lighting.



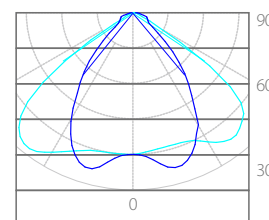
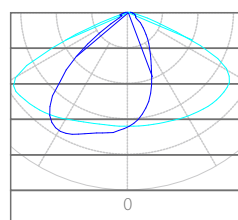
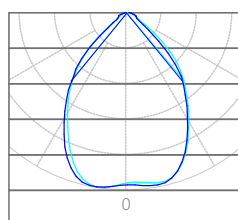
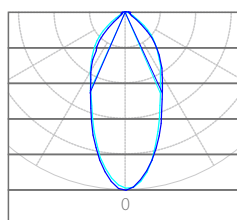
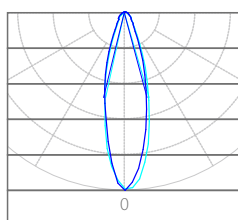
**Vertical Medium asymmetric A02**

The asymmetric vertical pattern provides a medium horizontal beam with a narrow vertical concentration. The combination allows a perfect match-up for applications requires shorter setback and maximum usage of light such as tennis court, wall mounted illuminations etc.



**Horizontal Wide asymmetric A03**

The asymmetric horizontal pattern delivers a wide horizontal beam with a medium vertical concentration. It's ideal for applications requiring a wide horizontal coverage and building mounted applications.



**140  
lm/w**

### HIGH EFFICIENCY

Adopt Philips Chips to achieve up to 140lm/W of luminaires to acquire energy saving at most and remarkable rebate from electricity.



### INSTANT ON/OFF

LEDs do not require warm up. Instant on to 100% output translates to no downtime, improved safety and the ability to utilize sensor switching to significantly save energy.



### FLICKERING FREE

LED luminaires run on constant low voltage DC power and do not produce any visible stroboscopic effects, thus reducing the strain on eyes and significantly improving safety in areas where moving machinery is present.



### THERMAL MANAGEMENT

Philips' chips with cutting edge technology enlarge the capacity of duration of heat; along with single piece aluminum heat sink with cooling fins, VariFlood / VariLinear allows for maximum thermal control and will prolong the lifespan of the luminaire.

**L70/  
B10**

### LUMEN MAINTENANCE FACTOR

50 out of 100 could be able to maintain 70% lumen output after 50,000hrs. The result could be secured with LM80 report, Temperature Raise Report and TM21 table calculation upon further requirement.



### OPTICS

Free from streaks and striations, a variety of symmetrical and asymmetrical optics with rectangular and circular patterns maximum the use of light. Built-in glare control maintains high quality light without compromising comfort.



### USER FRIENDLY WIRING BOX

IP65 external junction box enables a quick and user friendly electronic connections between mains input, 1-10V dimming and motion sensor.



### Cost effective Maintenance

The unique circuitual design on each module ensures the continuous functioning with individual LED failure caused by short/open circuit. Thus replacing one module instead of whole luminaire shows the most cost effective way for maintenance.

**IP66**

### HIGH IP RATING

Sealed and gasketed to allow for IP66 barrier of protection to prevents dirt from surroundings which allows VariFlood being used for outdoor/ wet applications.