

VEGA SERIES



The Most Cost Effective Way For Maintenance

The combinations of different drivers, mounting brackets, modules and baffles allow the quickly assembly at customers' side as needed. 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.

PC Lens

Removable/ replaceable Polycarbonate optics with high light transmittance help to concentrate light to acquire symmetric / asymmetric narrow, medium and wide beam angle to fulfill the needs from different applications.

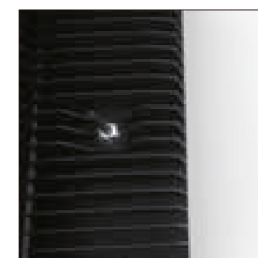
Superb Heat Management

2pcs mounting plate for drivers are designed to serve two purposes. One is to carry different module drivers and the other is to make sure there is adequate space in between drivers and heat sink for better heat dissipation. The five-face driver box is designed to have one side open for better heat dissipation. Also 3 groups of holes on the driver box assist supplementary.



Optional Wiring Box Or Surge Protection Device

IP65 external junction box enables a quick and user friendly electronic connections for mains input, 1-10V dimming and motion sensor control; it also features sufficient space for built-in surge protection device is required.



Triple Insurance On Ingress Protection

The rubber gasket is adopted and four weep holes are designed to get the water through in the corners of each module to avoid the water accumulation. In addition, all the glands sit on the raised step a bit higher than the heatsink to prevent possible water seepage.



Reinforced 304 stainless steel bracket in both U-shape version and bent version with anti-corrosion finish for wet/outdoor applications.

VEGA LIGHT

- ▶ 100W, 200W, 300W, 400W, 600W
- ▶ 120lm/W, 130lm/W
- ▶ Beam angle: Symmetric & Asymmetric
- ▶ A vailable LM80, ISTMT and TM21 report
- ▶ 5 years warranty
- ▶ 10kv surge protection
- ▶ Wide range of lumen output package from 12,000lm up to 78,000lm

Designed To Use For :

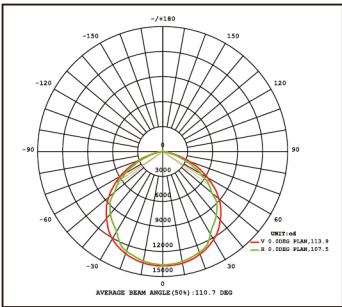
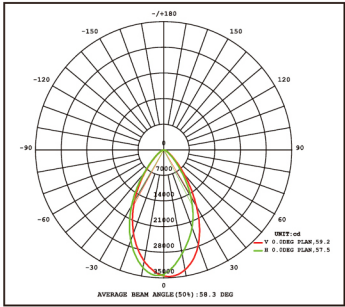
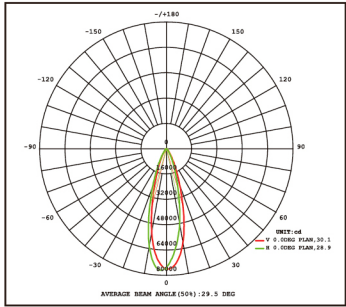
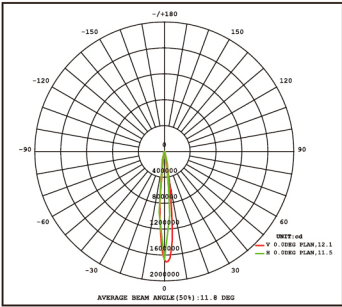
- ▶ Indoor/ outdoor sports arenas
- ▶ Stadiums Roadway
- ▶ Parking
- ▶ Billboards
- ▶ Façade
- ▶ Corridor
- ▶ Warehouse
- ▶ Convention store
- ▶ Big-box retail store
- ▶ Cold storage facilites
- ▶ Gymnasiums
- ▶ Natatoriums

Product Parameter

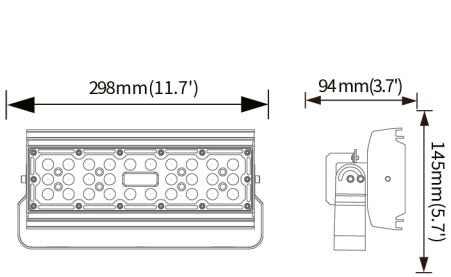
Part Number	DG-VG02-100W	DG-VG02-200W	DG-VG02-300W	DG-VG02-400W	DG-VG02-600W
Wattage	100W	200W	300W	400W	600W
Lumen Output	13000lm	26000lm	39000lm	52000lm	78000lm
Light Efficiency	130lm/w				
Dimensions(mm)	296*145*94	326*277*118	326*402*118	613*185*286	613*404*118
CRI	>Ra70, >Ra80				
CCT	3000K, 4000K, 5000K, 5700K, 6500K				
Input Voltage	100-240Vac, 100-277Vac, 50-60Hz, PF≥0.95				
IP Rating	IP65				
LED Driver	Meanwell, Sosen, Philips				
Working Temperature	-30°C to +50°C				
Lifespan	>50,000Hrs				

Light Distribution

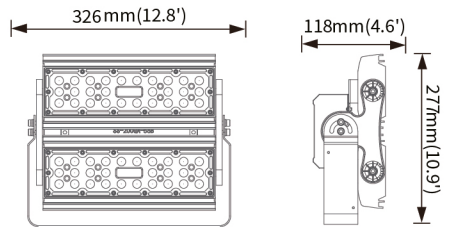
The VEGA lens cover diffuses the dazzling light generated by individual leds and shed a gentle beam creating a harmonious lighting environment.



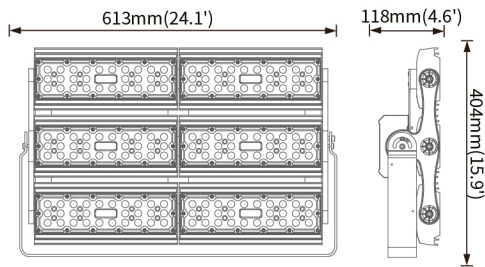
Outline Drawing



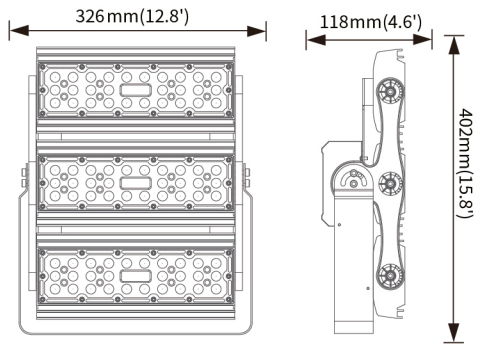
100W



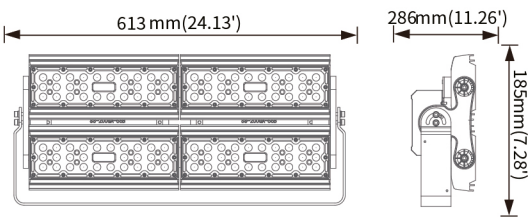
200W



600W



300W



400W

Intelligent Control Option

- Dali Control
- 1-10V Dimming Control
- Occupancy Control



APPLICATION

Outdoor Single Tennis Court

Tennis is a high-speed sport. Illuminance levels and light direction on the ball and the players are critical. In flight, the ball may be temporarily lost from sight due to glare of light sources or a background of low contrast. Proper pole location and aiming are essential for good visibility.

According to EN12193, all sports fields can be classified into 3 levels as below:

Class	I	II	III
Level of competition	International and National Regional Local	Regional Local Training	Local Training Recreational/School sports

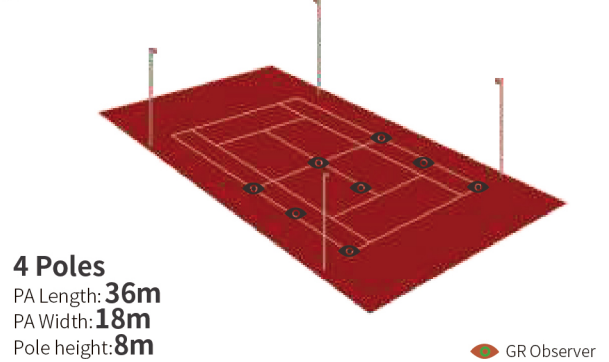
APPLICATION

1 Solution for Class II Outdoor Tennis Court

EN12193 Requirement

Class	Horizontal illuminance		G R	R A
	Eav	Emin/Eav		
II	300 lx	0.7	50	60

Pitch Scheme



Luminaire Data

8x400W

replace
8x670W HID

Model name	DG-VG02-400W
Luminous flux (Luminaries)	55000lm
Luminaire wattage	400W
Optics being Used	A02
Ra	>70
Color temperature	5000K
Qty. being Used	8 pcs

Simulation Data

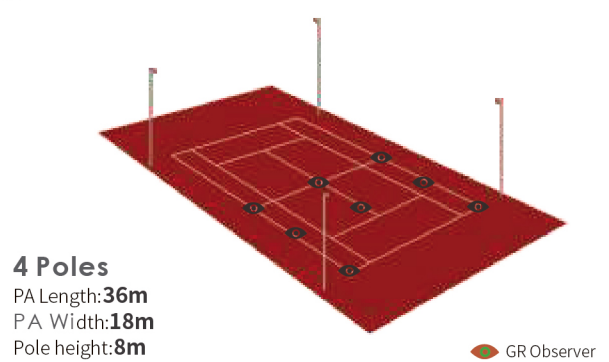
Eav [lx]	322
Emin [lx]	231
Emax [lx]	452
Emin / Eav	0.72
Emin / Emax	0.51
GR max	35
ULR	0
Maintenance factor	0.8

2 Solution for Class III Outdoor Tennis Court

EN12193 Requirement

Class	Horizontal illuminance		GR	R A
	Eav	Emin/Eav		
III	200 lx	0.6	55	20

Pitch Scheme



Luminaire Data

8x300W

replace
4x670W HID

Model name	DG-VG02-300W
Luminous flux (Luminaries)	41250lm
Luminaire wattage	300W
Optics being Used	A02
Ra	>70
Color temperature	5000K
Qty. being Used	8 pcs

Simulation Data

Eav [lx]	243
Emin [lx]	164
Emax [lx]	321
Emin / Eav	0.67
Emin / Emax	0.51
GR max	33
ULR	0
Maintenance factor	0.8