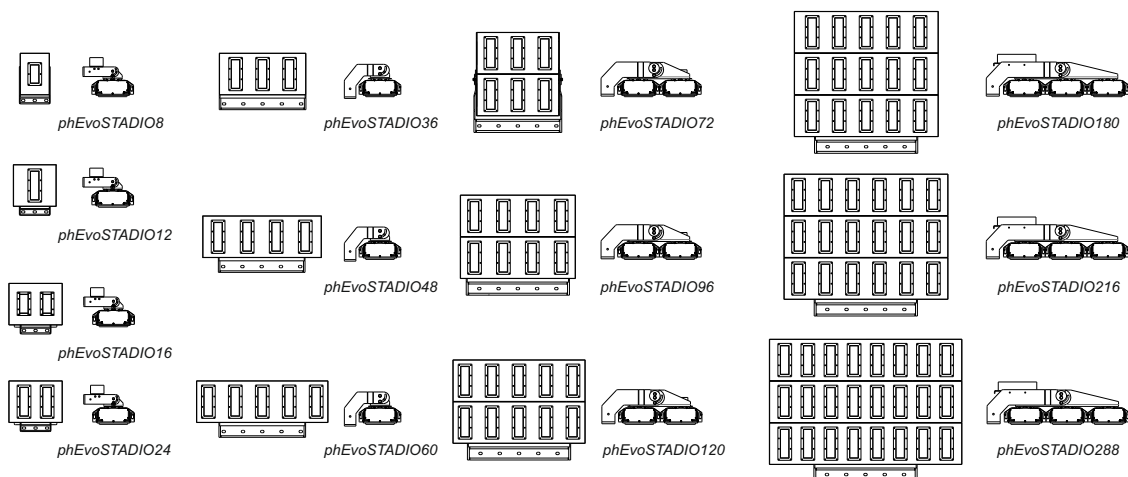




MAIN CHARACTERISTICS

Applications	Lighting for large areas, sports facilities
Color	RAL9005 (black), RAL9007 (gray)
Material	Powder-coated carbon steel frame with heat sink in anodised aluminium
Protection degree	IP 66 IK06 (IK08 available on request)
Insulation class	I (II available on request)
Mounting	On light towers
IPEA	≥ A++ (C.A.M.)
N° LED	da 8 a 288 LED
LED Efficacy ⁽¹⁾	187 lm/W - CRI 70 - @ 350 mA, T _j = 25 °C
Color temperature	3000K - 730/669 4000K - 740/669 5700K - 757/669
Optics	IP type made of PMMA - PC - SILICONE
Optical unit lifetime ⁽²⁾	≥ 100.000hr
Rated voltage	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (dif/com)	6/10 kV
TC adjustment system (on request)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless
Programming (on request)	On-site driver reprogramming through NFC and related app
Dimming	Optional module for seasonal, weekly, and daily dimming
Operating temperature	-40 / +55 °C



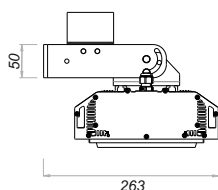
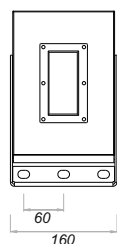
DESCRIPTION

Projector made of lightweight, anodised, corrosion and weather-resistant extruded aluminium. Powder-coated carbon steel frame. PMMA/PC optics IP66 and IK06 (IK08 on request) guaranteed against UV rays and yellowing. Overvoltage protection up to 6kV. Body insulation class I (II on request). Anti-condensation valve. AISI 304 bolts. Components can be replaced using the most common tools (only by authorised personnel). Support device with bracket system adjustable using common tools. Mains connection via external cable with IP68 connector. Power supply unit, external IP67 connected via three-pole double-insulated rubberised cables. Power supply with nominal voltage 220-240 Vac, frequency 50/60 Hz. Efficiency ≥90% at full load, power factor cosφ0.95. LED service life >100,000 hours L90B10. Energy performance ≥A++. Colour from 2200k to 5700k, CRI>70. Luminaire efficiency up to 141lm/W.

Main Reference Standards

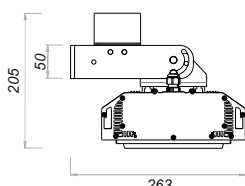
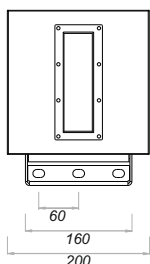
EN 60598-1: Luminaires - Part 1: General requirements and tests
 EN 60598-2-5 Floodlights
 IEC/TR 62778: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
 EN 55015: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
 EN 61000-3-2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions
 EN 61000-3-3: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
 EN 61547: Equipment for general lighting purposes - EMC immunity requirements
 EN 13032-1: Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1: Measurement and file format.
 Datasheet according to IEC/PAS 62717 - IEC/PAS 62722





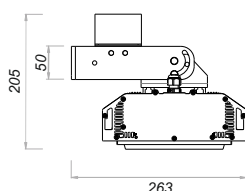
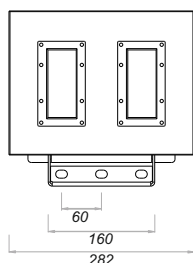
phEvoSTADIO8

Dimensions	263x160x205mm
Max Weight	6.00 Kg
Max wind-exposed surface	front. 0.042 m ² - lat. 0.054 m ²



phEvoSTADIO12

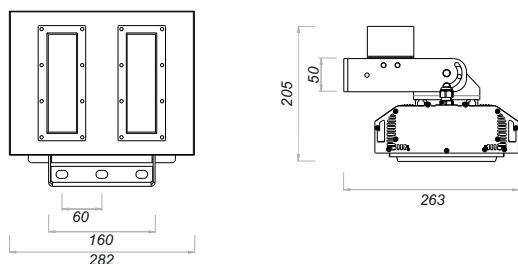
Dimensions	263x200x205mm
Max weight	6.00 Kg
Max wind-exposed surface	front. 0.052 m ² - lat. 0.054 m ²



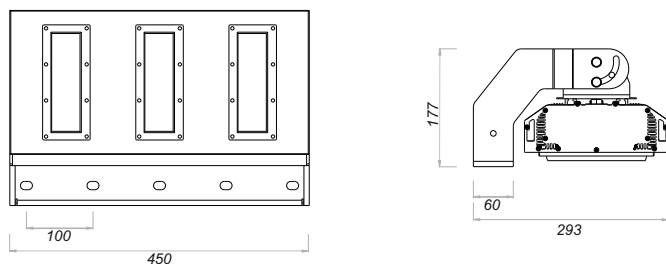
phEvoSTADIO16

Dimensions	263x282x205mm
Max weight	6,00 Kg
Max wind-exposed surface	front. 0.074 m ² - lat. 0.054 m ²

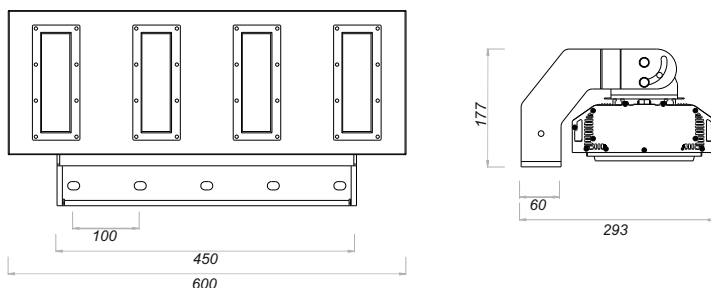


**phEvoSTADIO24**

Dimensions	263x282x205mm
Max weight	6,00 Kg
Max wind-exposed surface	front. 0.074 m ² - lat. 0.054 m ²

**phEvoSTADIO36**

Dimensions	293x450x177mm
Max weight	8.50 Kg
Max wind-exposed surface	front. 0.13 m ² - lat. 0.05 m ²

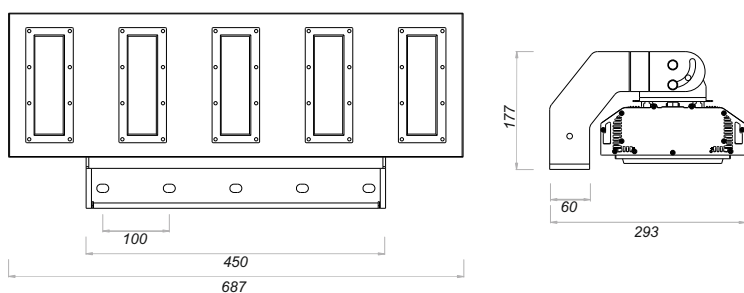
**phEvoSTADIO48**

Dimensions	293x600x177mm
Max weight	13.50 Kg
Max wind-exposed surface	front. 0.17 m ² - lat. 0.05 m ²



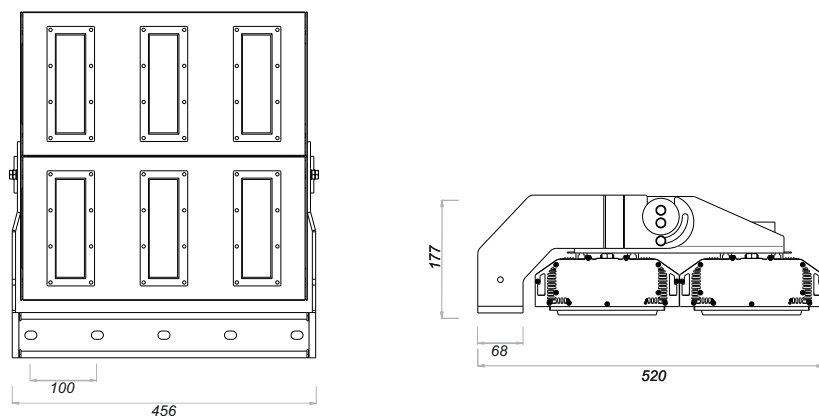
phEvoSTADIO

INNOVATION, EFFICIENCY & ENERGY SAVING



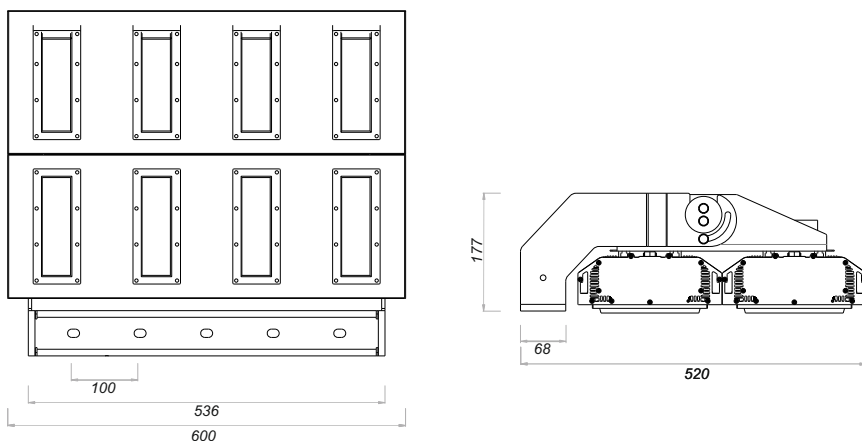
phEvoSTADIO60

Dimensions	293x687x177mm
Max weight	13,50 Kg
Max wind-exposed surface	front. 0.20 m ² - lat. 0.05 m ²



phEvoSTADIO72

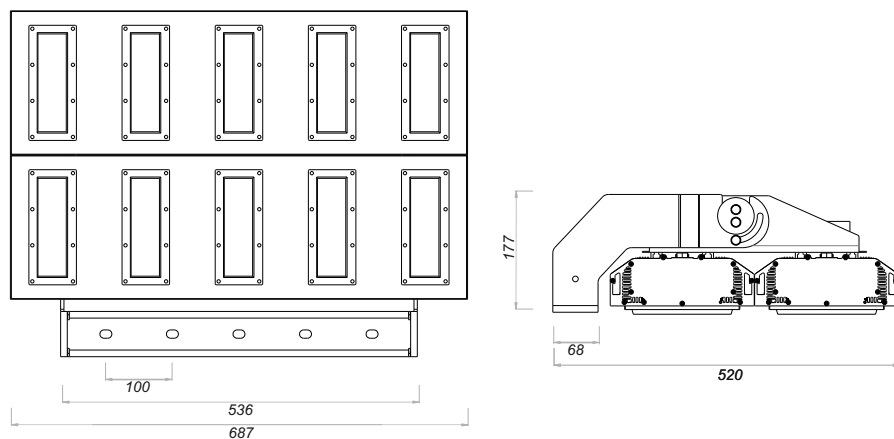
Dimensions	520x456x177mm
Max weight	18.00 Kg
Max wind-exposed surface	front. 0.24 m ² - lat. 0.09 m ²



phEvoSTADIO96

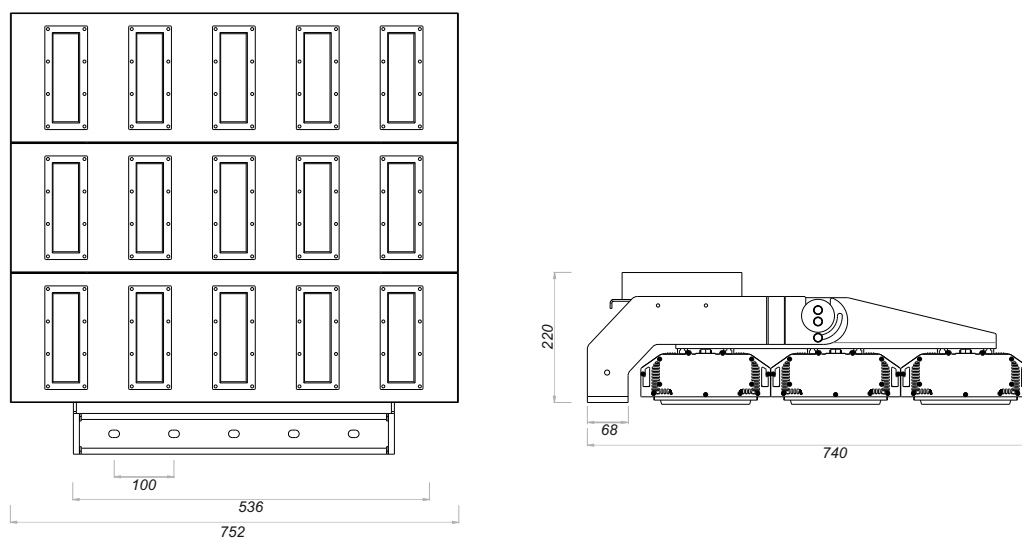
Dimensions	520x600x177mm
Max weight	26.00 Kg
Max wind-exposed surface	front. 0.31 m ² - lat. 0.09 m ²





phEvoSTADIO120

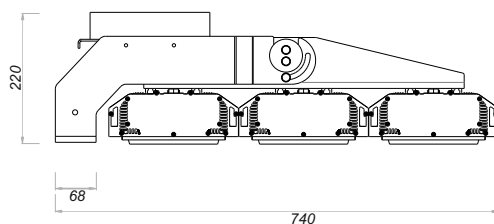
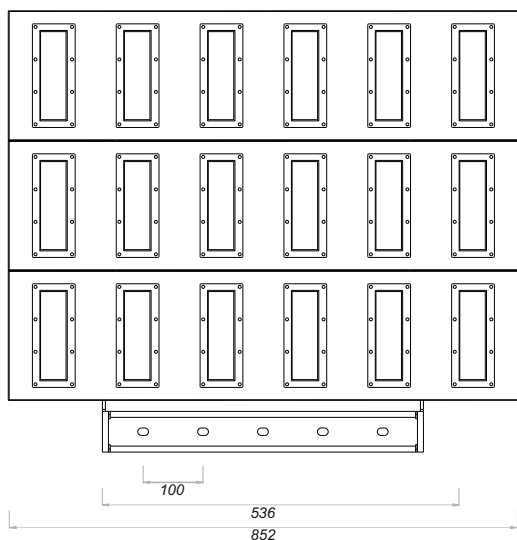
Dimensioni	520x687x177mm
Max weight	28,00 Kg
Max wind-exposed surface	front. 0.36 m ² - lat. 0.09 m ²



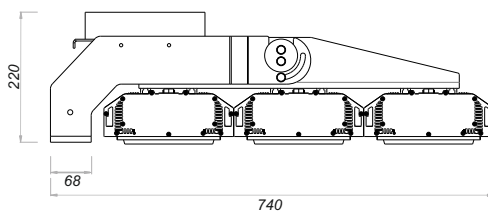
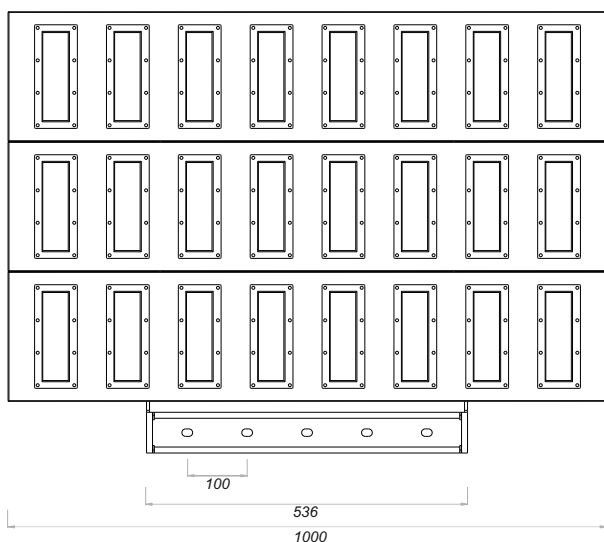
phEvoSTADIO180

Dimensions	740x752x220mm
Max weight	45.00 Kg
Max wind-exposed surface	front. 0.56 m ² - lat. 0.16 m ²



**phEvoSTADIO216**

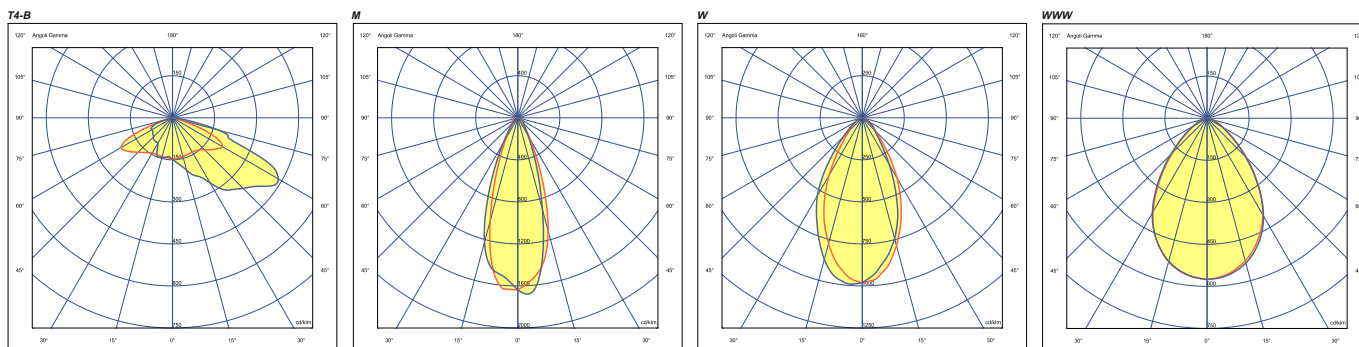
Dimensions	740x852x220mm
Max weight	50.00 Kg
Max wind-exposed surface	front. 0.63 m ² - lat. 0.16 m ²

**phEvoSTADIO288**

Dimensions	740x1000x220mm
Max weight	55,00 Kg
Max wind-exposed surface	front. 0.74 m ² - lat. 0.16 m ²



OPTICS



3000/4000K

Model	Led Current(mA)	Rated Luminaire Power(W)	Rated Led Flux (lm) ⁽¹⁾	Rated Luminaire Flux (lm) ⁽¹⁾	Luminaire Efficacy [lm/W]
phEvoSTADIO8	700	38	5751	5360	141
phEvoSTADIO12		57	8627	8040	
phEvoSTADIO16		76	11503	10721	
phEvoSTADIO24		114	17255	16082	
phEvoSTADIO36		171	25883	24123	
phEvoSTADIO48		228	34510	32163	
phEvoSTADIO60		285	43138	40205	
phEvoSTADIO72		342	51765	48245	
phEvoSTADIO96		455	69021	64328	
phEvoSTADIO120		569	86276	80409	
phEvoSTADIO180		854	129414	120614	
phEvoSTADIO216		1025	155297	144737	
phEvoSTADIO288		1366	207062	192982	

NOTE: The values indicated in this sheet are nominal, to be considered with a tolerance of +/- 10%.

The minimum value emitted by the LED GW P9LR35.PM(G5) IN M5 - A has been considered for the rated luminous flux.

⁽¹⁾ Efficiency extrapolated from the LED manufacturer datasheet.

⁽²⁾ Service life according to report LM-80_DURIS S 8 - GW P9LR35.PM_4000K_600mA_6000h_180260W1.

⁽³⁾ Values measured in the laboratory at Ta = 25 °C.

⁽⁴⁾ Values extrapolated from the LED manufacturer datasheet.

In order to promote the constant updating of its products, Phaenomena reserves the right to make changes without prior notice. Errors or omissions excepted.

Always make sure to use the latest version. The product features listed are subject to change and will be confirmed when ordering.

Photometric curves performed in the PHAENOMENA photometric laboratory.

NOTE: Other photometries are available on request. Photometric curves performed in the PHAENOMENA photometric laboratory.

phEvoSTADIO 12 / 40 / 700 / T4-B

 Product Series
 Number of Leds
 Light temperature
 Current
 Optic

PACKAGING



Dimensions: Custom
Weight: da 6 Kg a 55 Kg

