

phEvoSTADIO24

phEvoSTADIO36

phEvoSTADIO48

## Main Characteristics

<b>Applications</b>	Lighting for large areas, sports facilities
<b>Color</b>	RAL9005 (black), RAL9007 (gray)
<b>Material</b>	Powder-coated carbon steel frame with heat sink in anodised aluminium
<b>Protection degree</b>	IP 66   IK06 (IK08 on request)
<b>Insulation class</b>	I (II on request)
<b>N° LED</b>	From 12 to 120 LED
<b>LED Efficacy<sup>(1)</sup></b>	130 lm/W - @350 mA, T= 25 °C
<b>Optics</b>	IP type made of PMMA - PC – SILICONE
<b>Optical unit lifetime<sup>(2)</sup></b>	≥ 100.000hr
<b>Rated voltage</b>	220-240 V~ 50/60 Hz
<b>Power Factor</b>	cosφ ≥ 0.98 (at full load)
<b>Surge protection (dif/com)</b>	6/10 kV
<b>TC adjustment system (on request)</b>	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless
<b>Programming (on request)</b>	On-site driver reprogramming through NFC and related app.
<b>Dimming</b>	Optional module for seasonal, weekly, and daily dimming
<b>Operating temperature</b>	-40 / +55°C



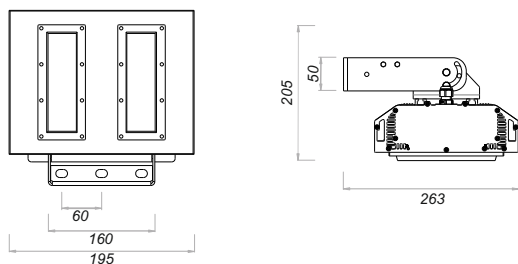
## DESCRIPTION

Light fixture made from extruded aluminum with high qualities of lightness, corrosion-resistant and weather-resistant anodized finish. Carbon steel structure with powder-coated paint. Optics in PMMA/PC, IP66 and IK06 (IK08 upon request), guaranteed against UV rays and yellowing. Surge protection device up to 6kV. Insulation class I (II upon request). Anti-condensation valve. Bolts in AISI 304. Component replacement can be performed using common tools (only by authorized personnel). Support device with adjustable bracket system using common tools. Connection to the network via an external cable with IP68 connector. External IP67 power supply connected with double-insulated rubber cables. Power supply with nominal voltage of 220-240 Vac, 50/60 Hz frequency. Efficiency ≥90% at full load, power factor cosφ0.95. Device efficiency up to 120m/W.

## Main Reference Standards

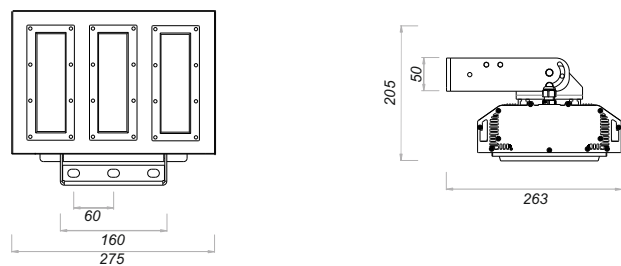
EN 60598-1: Luminaires - Part 1: General requirements and tests  
 EN 60598-2-3: Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting  
 IEC/TR 62778: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires  
 EN 55015: Limits 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 IEC/PAS 62717 - IEC/PAS 62722





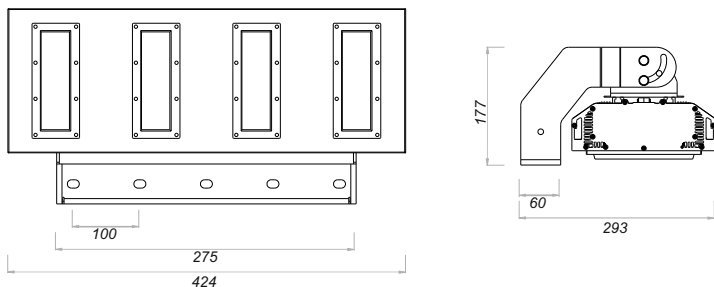
## phEvoSTADIO24

<b>Dimensions</b>	263x195x205mm
<b>Max Weight</b>	6,00 Kg
<b>Max wind-exposed surface</b>	front. 0.074 m <sup>2</sup> - lat. 0.054 m <sup>2</sup>



## phEvoSTADIO36

<b>Dimensions</b>	263x275x177mm
<b>Max Weight</b>	8.50 Kg
<b>Max wind-exposed surface</b>	front. 0.13 m <sup>2</sup> - lat. 0.05 m <sup>2</sup>

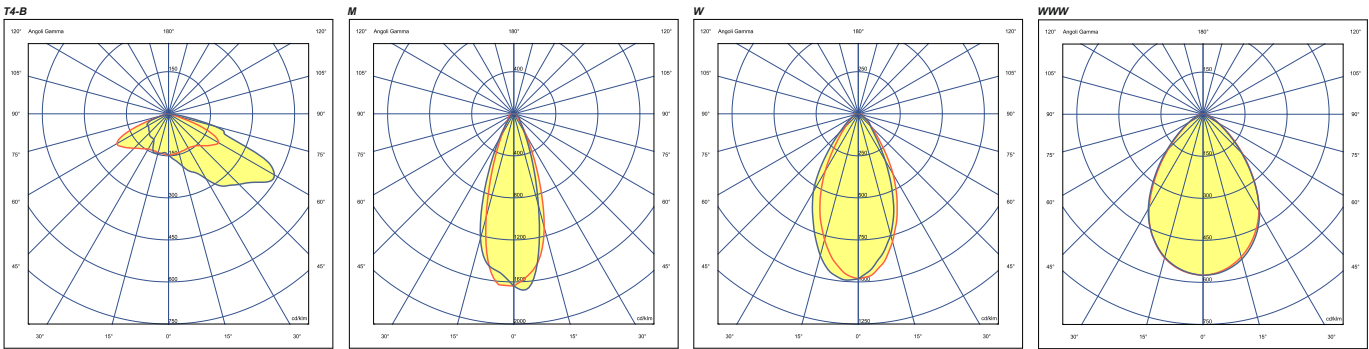


## phEvoSTADIO48

<b>Dimensions</b>	293x424x177mm
<b>Max Weight</b>	13.50 Kg
<b>Max wind-exposed surface</b>	front. 0.17 m <sup>2</sup> - lat. 0.05 m <sup>2</sup>



**OPTICS**



Color: Green - White - Red

Model	Led Current(mA)	Rated Luminaire Power(W)	Rated Led Flux (lm) <sup>(1)</sup>	Rated Luminaire Flux (lm) <sup>(2)</sup>	Luminaire Efficacy [lm/W]
phEvoSTADIO24	620	39	16119	4350	117
phEvoSTADIO36		57	24178	6652	
phEvoSTADIO48		77	32237	8835	
phEvoSTADIO24	700	43	4915	4571	106
phEvoSTADIO36		66	7400	6882	
phEvoSTADIO48		89	9913	9219	

TYPE OF LED COLOURS		
GREEN	WHITE	RED

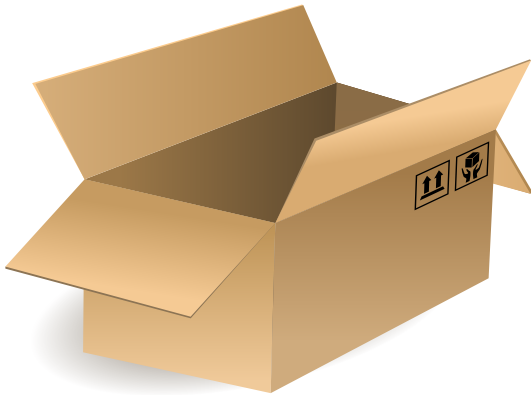
phEvoSTADIOITA | 12 | RED | 700 | T4-B

- Product Series
- Number of Leds
- Light temperature
- Current
- Optic

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.  
<sup>(1)</sup> Efficiency extrapolated from the LED manufacturer datasheet.  
<sup>(2)</sup> Values measured in the laboratory at Ta = 25 °C.  
<sup>(3)</sup> 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.

## PACKAGING



Dimensions: Custom  
Weight: from 6 Kg to 55 Kg

