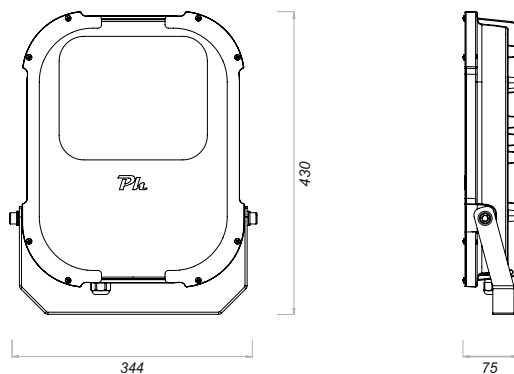


## phEvo GEMINI

INNOVATION, EFFICIENCY &amp; ENERGY SAVING



## Main Characteristics

Applications	Lighting for large-scale areas, light towers
Color	Anthracite
Material	Die cast aluminium, powder-coated with stainless steel fastening
Dimensions	315 x 405 x 75 mm
Weight	max 7.5 Kg
Security system	Stainless steel safety chain between the projector and track
Exposed surface	front. 0.13 m <sup>2</sup> - lat. 0.03 m <sup>2</sup>
Protection degree	IP 66   IK08
Insulation class	I (II available on request)
Mounting	On light towers
N° LED	16, 24 and 36 LED
LED Efficacy <sup>(1)</sup>	201 lm/W - CRI 80 - @ 360 mA, T <sub>j</sub> = 25 °C
Colour temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669
Optics	2X2 PMMA
Optical unit lifetime	≥ 100.000hr L90B10 <sup>(2)</sup>
Rated voltage	220-240 V~ 50/60 Hz
Power Factor	Cosφ ≥ 0.98 (at full load)
Surge protection (dif/com)	8/10 kV
Driver	Wired internally within the product
TC adjustment system (on request)	1-10V or DALI
Programming	On-site driver reprogramming through NFC and related app.
Dimming	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +35°C

IK  
08IP  
66

RoHS

LED Light for you  
powered by OSRAM  
CERTIFIED PARTNER5 YEAR  
Guarantee

## DESCRIPTION

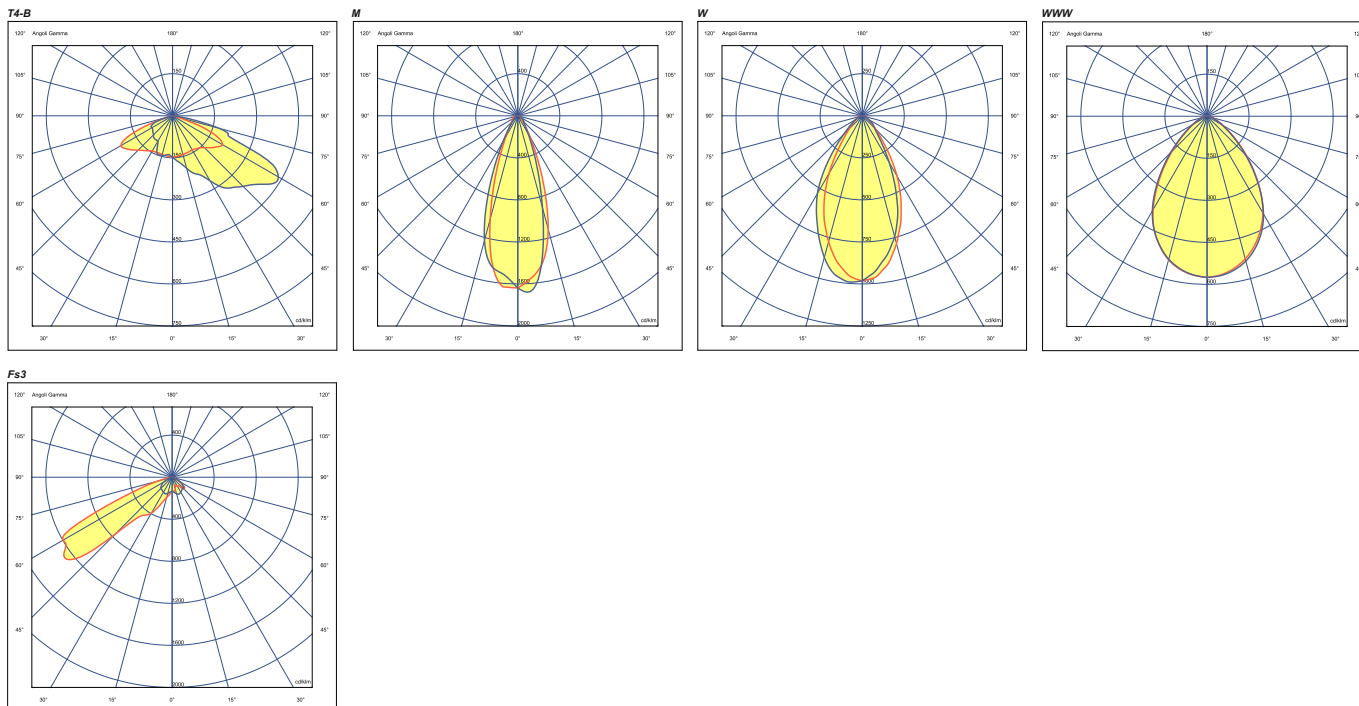
Lighting fixture for large areas composed of a die-cast aluminum body with corrosion-resistant powder coating and tempered glass, providing impact resistance IK08. The optics are in 2x2 PMMA/PC, guaranteed to be UV and yellowing resistant. Surge protection device up to 10kv. The body has insulation class I and is rated IP66 for protection against dust and water ingress. It features an anti-condensation valve. Internal components can be replaced using standard tools. The power supply operates at a nominal voltage of 220-240 Vac and a frequency of 50/60 Hz. It achieves an efficiency of ≥90% at full load with a power factor of cosφ0.95. The LED has a long lifespan, with L90B10>100,000 hours. The energy performance is rated ≥A++. The color temperature ranges from 2200k to 5700k, with a CRI of 70. The fixture's efficiency can reach up to 133lm/W. It is certified with CE standards.

## 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



## OPTICS



3000/4000/5700K

Model	Led Current (mA)	Rated Luminaire Power (W)	Rated Led Flux (Lm) <sup>(4)</sup>	Rated Luminaire Flux (Lm) <sup>(3)</sup>	Luminaire Efficacy [Lm/W]
phEvoGEMINI16	700	71,5	11140	9469	133
phEvoGEMINI24		107,0	16700	14195	
phEvoGEMINI36		161,0	25059	21300	

phEvoGEMINI 16 / 40 / 700 / WWW

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

NOTE: Values indicated in this technical sheet are to be considered rated values. Flux tolerance +/- 10%. Power Tolerance: +/- 10%  
 Rated led Flux according to LED GW P9LR35.PM(G5) IN M5 - A

<sup>(1)</sup> LED source efficiency according to LED datasheet.

<sup>(2)</sup> Lifetime according to LM-80\_DURIS S 8 - GW P9LR35.PM\_4000K\_600mA\_6000h\_180260W1.

<sup>(3)</sup> Values measured in laboratory @ Ta = 25 °C.

<sup>(4)</sup> Values extracted from LED manufacturer datasheet.

The characteristics of the product listed above are subjected to change without notice.  
 Errors and omissions excepted. Always ensure to use the most up-to-date version. The  
 listed product specifications are subject to change and will be confirmed at the time of ordering

## PACKAGING



Dimension: 370x550x140 mm  
Weight: max 8,5 Kg

## DESIGN

