

**Фасотисиа<sup>®</sup>**  
**LIGHTING**

INNOVATIVE LED LIGHTING SOLUTIONS

**CATALOGUE**  
**2025**



***Фасотема***<sup>®</sup>  
**LIGHTING**

# INDEX

## GENERAL INDEX

I	<i>Product Index</i>
II - III	<i>Illustrated Index</i>
IV - V	<i>About Us</i>
VI	<i>Mission - Vision - Values</i>
VII	<i>R&amp;D - Measurements and Tests - Phaenomena Electronics Company - Customer Support</i>
VIII	<i>Main Patents - Certifications &amp; Partners</i>
IX	<i>LED Technology - phPOWER® Technology - Optics</i>
X	<i>Lighting the Future: Phaenomena Spa's Global Presence</i>
XI	<i>Lighting the Future: Gallery of Some of Our Projects</i>
XII	<i>How to Read the Catalogue</i>
XIII	<i>Symbol Legend</i>
01	<i>Street Lighting</i>
10	<i>Urban Lighting</i>
22	<i>Retrofit Kits</i>
28	<i>Solar Power Lighting</i>
34	<i>Large Area Lighting</i>
44	<i>Tunnel Lighting</i>
58	<i>Linear Lighting</i>
66	<i>Indoor/Industrial Lighting</i>
80	<i>Emergency Lighting</i>

# PRODUCT INDEX

## — STREET lighting

- 01-02 phLUMINA **ELP2S**
- 03-04 phLUMINA **ELP2M**
- 05-06 phLUMINA **ELP**
- 07-08 phLUMINA **ELP2XS** 

## — RETROFIT kit

- 27-28 phLUMINA **EIP**
- 29-30 **Auriga**

## — LARGE AREA lighting

- 39-40 phEvo **GEMINI**
- 41-42 phEvo **STADIO**
- 43-44 phEvo **MEGA**
- 45-46 phEvo **STADIOITA**

## — LINEAR lighting

- 63-64 phLUMINA **FIT** 
- 65-66 **Vega** 
- 67-68 **Pegaso**

## — EMERGENCY lighting

- 84 ph**EME**
- 84 ph**EMEss**
- 84 ph**LYRA**

## — URBAN lighting

- 11-12 phLUMINA **Trilogy** Typo-A
- 13-14 phLUMINA **Trilogy** Typo-B
- 15-16 phLUMINA **LQ**
- 17-18 phLUMINA **MARTE**
- 19-20 phLUMINA **LQ-L** 

## — SOLAR POWER lighting

- 33-34 ph **WOW**
- 35-36 phLUMINA **ELP2S\_FV**

## — TUNNEL lighting

- 49-50 phEvo **TUNNEL**
- 51-52 phEvo **ARGO**
- 53-54 phEvo **ATLAS** 
- 55-56 **CarLed**
- 57-58 **BladeWaterLed**
- 59-60 **ByPassLed**

## — INDOOR/INDUSTRIAL lighting

- 71-72 phLUMINA **OFFICE**
- 73-74 ph **FRAME**
- 75-76 ph **URSAminor**
- 77-78 phLUMINA **T**
- 79-80 **Dorado**
- 81-82 phEvo **INDUSTRIA**

# ILLUSTRATED INDEX

## STREET lighting



phLUMINA **ELP2S**

p. 01-02



phLUMINA **ELP2M**

p. 03-04



phLUMINA **ELP**

p. 05-06



phLUMINA **ELP2XS**

p. 07-08

## URBAN lighting



phLUMINA **Trilogy** TYPE 4

p. 11-12



phLUMINA **Trilogy** TYPE 4

p. 13-14



phLUMINA **LQ**

p. 15-16



phLUMINA **MARTE**

p. 17-18



phLUMINA **LQ-L**

p. 19-20

## RETROFIT kit



phLUMINA **EIP**

p. 23-24



**Auriga**

p. 25-26

## SOLAR POWER lighting



ph**WOW**

p. 29-30



phLUMINA **ELP2S\_FV**

p. 31-32

## LARGE AREA lighting



phEvo **GEMINI**

p. 35-36



phEvo **MEGA**

p. 37-38



phEvo **STADIO**

p. 39-40



phEvo **STADIOITA**

p. 41-42

# ILLUSTRATED INDEX

## TUNNEL lighting



phEvo**TUNNEL**

p. 45-46



phEvo**ARGO**

p. 47-48



phEvo**ATLAS**

p. 49-50



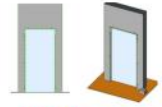
**CarLed**

p. 51-52



**BladeWaterLed**

p. 53-54



**ByPassLed**

p. 55-56

## LINEAR lighting



phLUMINA**FIT**

p. 59-60



**Vega**

p. 61-62



**Pegaso**

p. 63-64

## INDOOR/INDUSTRIAL lighting



phLUMINA**OFFICE**

p. 67-68



ph**FRAME**

p. 69-70



ph**URSA** minor

p. 71-72



phLUMIN**AT**

p. 73-74



**Dorado**

p. 75-76



phEvo**INDUSTRIA**

p. 77-78

## EMERGENCY lighting



ph**EME**

p. 80



ph**EMEss**

p. 80



ph**LYRA**

p. 80



Italian Innovations  
**ILLUMINATES THE FUTURE**





# About Us

Welcome to Phaenomena Spa, where the art of lighting merges with exceptional Italian tradition. For almost two decades, we have been dedicated to creating tailor-made lighting devices, contributing to transforming the visibility of urban, recreational, sports, arterial road, tunnels, as well as industrial and commercial areas.

Sustainability and innovation are the driving principles of our business. At all our head quarter, we embrace green technology, producing clean and renewable energy through our rooftop solar panel installations. Furthermore, looking towards the future, we use eco-friendly materials such as aluminum, minimizing the use of resources like copper and plastic.

Our passion for lighting leads us to constantly collaborate with designers and industry experts from around the world, with whom we engage daily to welcome and develop the best ideas. This exchange allows us to offer cutting-edge solutions that not only enhance life in cities but transform it into unforgettable luminous experiences.

Each of our products is the result of excellent Italian craftsmanship, rooted in our history dating back to 2005. Thanks to our network of collaborators and national and international partnerships, we guarantee the highest quality and reliability in every detail.

Quality, reliability, and design are our fundamental pillars. We believe that aesthetics and functionality should harmoniously coexist, and each of our products embodies this philosophy. Every line, every curve has been conceived to blend elegance and innovation, creating a unique luminous experience.

However, our mission goes beyond simply creating lighting fixtures. Through our commitment to research and innovation, we aspire to contribute to a brighter and more sustainable world. We aim to make cities greener, safer, and more welcoming at night, promoting a culture of sustainable lighting among institutions, designers, and citizens.

At Phaenomena Spa, we do not limit ourselves to being a lighting company. We are a beacon of hope for a brighter and more sustainable future, guided by passion, innovation, research, and Italian excellence



# Mission

Our mission is to illuminate the world with passion, innovation, and Italian excellence, emphasizing the value of the "Made in Italy" brand and offering impeccable customer service.

We are committed to crafting bespoke lighting solutions that transform cities, towns, and all environments into brighter, livable, sustainable, and safe spaces, proudly upholding the tradition of Italian craftsmanship.

Collaborating with top professionals in the industry, we deliver superior-quality products that seamlessly blend aesthetics and functionality, while always maintaining a keen focus on detail and technological innovation.

Guided by ongoing research and a dedication to environmental stewardship, we aim to be a beacon of hope for a brighter and more sustainable future. We carry forward our country's heritage of craftsmanship and technology with pride, while also providing attentive and professional assistance that meets the needs of our customers.

# Vision

Our vision is to lead the lighting industry through innovation, sustainability, and excellence, projecting ourselves towards a bright and sustainable future.

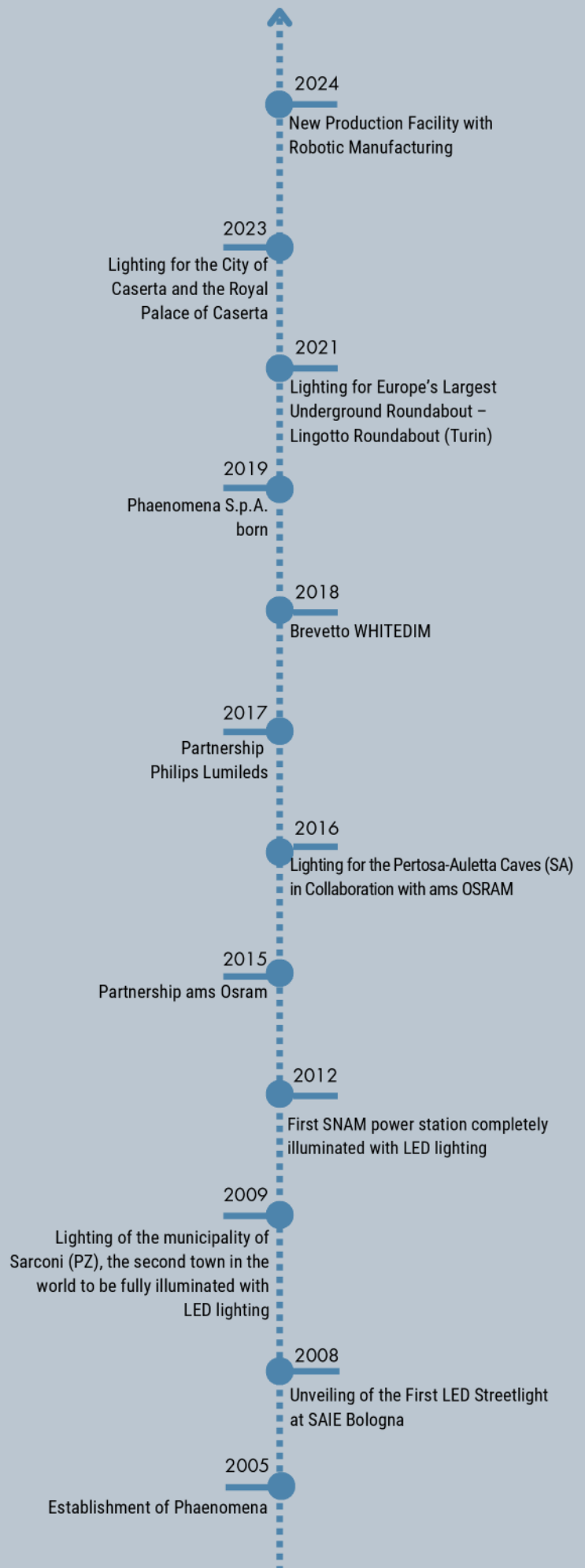
We aim to continuously develop new technologies for both outdoor and indoor lighting, enhancing people's quality of life, safety, and environmental sustainability.

Technological innovation lies at the heart of our operations, while intelligent management of light resources is essential to maximize light effectiveness and reduce environmental impact. We are committed to using clean energy in all our activities, contributing to global energy conservation and the reduction of harmful emissions.

Looking ahead, we aspire to build a world where lighting plays a key role in creating safe and eco-friendly urban, residential, and industrial environments. With passion, dedication, and a keen eye for innovation, we inspire change and lead the way towards a bright and sustainable future, always upholding the quality and excellence of "Made in Italy."

# Values

- **Passion:** Our guiding force is the passion for lighting, innovation, and Italian excellence;
- **Innovation:** We continually pursue new technological and creative solutions to exceed our customers' expectations;
- **Excellence:** We commit ourselves unwaveringly to the quality of design, product functionality, quality, and customer support;
- **Sustainability:** We promote sustainable practices to reduce environmental impact and enhance the livability of cities, urban spaces, and streets;
- **Tradition:** We cherish and uphold the Italian artisanal heritage, a symbol of quality and attention to detail;



## R&D

In our operations, there is a deep commitment to research and development, a fundamental element managed internally within the company. At our technological center, we consistently invest in innovation to remain at the forefront of the lighting industry.

We actively collaborate with research institutions, universities, and global industry leaders to explore new frontiers in lighting science. Through a data-driven and experimental approach, we aim to develop increasingly efficient, sustainable, and cutting-edge lighting solutions.

Every product we bring to market is the result of thorough research and a rigorous development process aimed at meeting the emerging needs of our customers and addressing the challenges of the future.

Our passion for innovation and commitment to excellence guide us in pursuing the goal of creating a brighter and more sustainable world for all.

## Measurements and Testing

After the ideation and design of our products, at Phaenomena Spa, we are committed to ensuring the highest quality and safety through rigorous measurement and testing processes. Every product that leaves our production line undergoes a series of tests and preventive checks to verify compliance with industry standards and ensure optimal performance.

We have invested significantly in state-of-the-art machinery and equipment to build our laboratories with cutting-edge tools. This allows us to perform a wide range of tests, ranging from meticulous control of individual internal components to the evaluation of the structural resistance of our products.

At our photometric laboratory, we have advanced technologies that allow us to conduct detailed optical tests on lighting fixtures. These tests include measuring luminous intensity, light distribution, and color rendering, ensuring that our products offer optimal performance in terms of lighting and visual comfort.

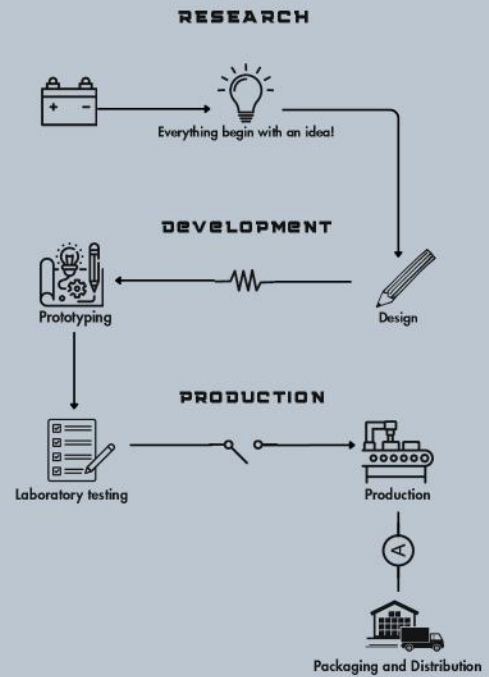
Every stage of our measurement and testing process is designed to ensure the highest quality and reliability of our products, providing our customers with the assurance of investing in excellence of lighting solutions.

## Phaenomena Electronics Division

At Phaenomena Srl, the division specialized in electronics, we manage the entire electronic component of our products. Equipped with cutting-edge SMT (Surface Mount Technology) and THT (Through-Hole Technology) lines, our facility is furnished with innovative machinery and instrumentation to ensure maximum precision and quality. These include pick & place machines for SMT and THT, automatic screen printers, selective soldering machines, welding robots, and reflow ovens.

To ensure compliance and safety of our components, we employ integrating spheres with spectroradiometers and climatic chambers with multichannel data loggers to monitor temperatures. Additionally, we have CNC printers and 3D printers for rapid prototyping purposes.

For quality control of soldering, we utilize advanced technologies such as AOI (Automated Optical Inspection), X-ray machines, and mobile probe machines for the inspection and programming of electronic boards. With a steadfast commitment to innovation and precision, our laboratory is the beating heart of our production, ensuring the quality and reliability of our electronic products.



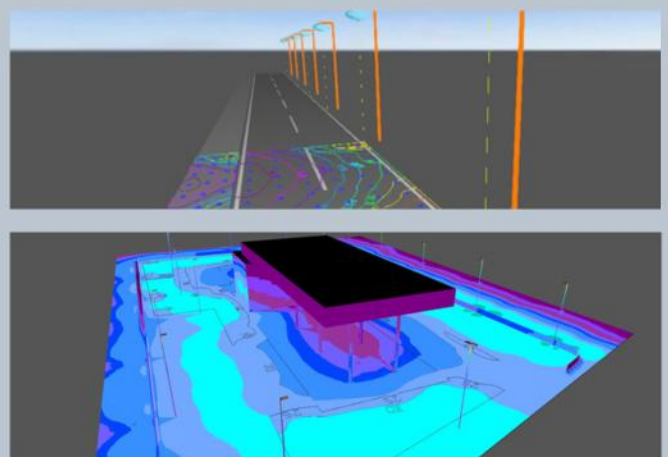
## Customer Support and Lighting calculations

At Phaenomena Spa, we are committed to providing comprehensive and professional customer support, both before and after sales. Our dedicated team is always ready to assist customers in every phase of the process:

Before purchase, our customer support team offers in-depth technical consultation and assistance in selecting the most suitable product for the specific needs of the customer. Additionally, Phaenomena provides its customers and designers with a lighting design assistance service. Through the use of advanced software, it is possible to consult the photometric characteristics of the fixture for appropriate application and develop detailed calculations on the level of illuminance and uniformity for every type of application.

After purchase, our commitment to customer satisfaction continues. We offer comprehensive post-sales support, ensuring that our customers are supported in case of questions, issues, or technical assistance needs. Our team is available to provide technical support, resolve any issues, and provide detailed instructions on installation, use, and maintenance of our products.

Furthermore, we offer warranty extension programs in addition to the basic warranty that covers our entire range of products.



## SIGNIFICANT PATENTS

### SISTEMA DI ILLUMINAZIONE DEL TIPO LED CHE GENERA UNA LUCE BIANCO DINAMICO VARIANDO ATTIVAMENTE LA COMPONENTE DI LUCE BLU.

Numero: 202018000002224

Date: 26/03/2018

Innovation that allows dynamic variation of light colour by shifting from a cooler to a warmer temperature and vice versa, utilising the coupling of different LEDs, following the circadian rhythm.

### CORPO ILLUMINANTE LED DEL TIPO STRADALE, DOTATO DI FOTOMETRIA DI ILLUMINAZIONE ADATTIVA CONTROLLABILE A DISTANZA

Numero: 202019000001242

Date: 12/04/2019

Innovation that offers the possibility to adjust the lighting photometry directly on-site after the fixture has been installed, minimising the likelihood of errors and allowing a single product to be used for different types of roads.

### CORPO ILLUMINANTE

Numero: 402019000000764

Data 12/04/2019

Design and model of an urban furniture lamp, model phLuminaTrilogy.

### ALIMENTATORE A DOPPIO CANALE PER IL CONTROLLO COMBINATO DI UNA COPPIA DI SERIE LED CHE GENERA LUCE BIANCO DINAMICO

Numero: 202019000002535

Date: 26/07/2019

Innovation involving a dual-channel programmable driver, which automatically allows the variation and combination of light emitted by two types of LED series at different frequencies, generating light with a variable colour temperature and preset luminous flux.

### LAMPADA STRADALE LED

Numero: 402020000000160

Date: 21/01/2020

Numero: 402020000000316

Date: 31/01/2020

Design and model of lamps for street application.

### SISTEMA DI ILLUMINAZIONE DELLE GALLERIE STRADALI

Numero: 102021000009545

Date: 15/04/2021

Invention of a lighting system for road tunnels featuring LED fixtures with innovative optical elements and emergency lighting devices that, in the event of high temperatures caused by fires, ensure a longer operating time compared to current solutions.

### LAMPADA ARTISTICA PER CENTRI STORICI

Numero: 402021000001337

Data 14/05/2021

Design and model of a retrofit kit for urban furniture applications, model Auriga.

### SISTEMA DI ILLUMINAZIONE DI SICUREZZA

Numero: 1020210000013109

Date: 20/05/2021

Invention of a linear LED lighting system for the safety of road, rail, and metro tunnels.

### ALIMENTATORE ELETTRONICO PER APPARECCHI DI ILLUMINAZIONE A LED

Numero: 1020210000016475

Date: 23/06/2021

Development of an electronic driver for LED lighting fixtures, capable of directly using the AC mains without the need for a transformer. Additionally, it should withstand high temperatures, feature a compact size, low weight, and minimal electrical noise.

### LAMPADA STRADALE LED

Numero: 402021000003320

Date: 29/11/2021

Design of street application lamp phLuminaELP2M

## CERTIFICATIONS AND PARTNERSHIPS



ITALIAN INSTITUTE FOR THE QUALITY MARK



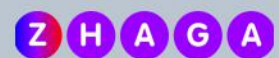
EUROPEAN NORM ELECTRICAL CERTIFICATION



INTEGRATED ENVIRONMENTAL SUSTAINABILITY



Associazione Nazionale Produttori Illuminazione

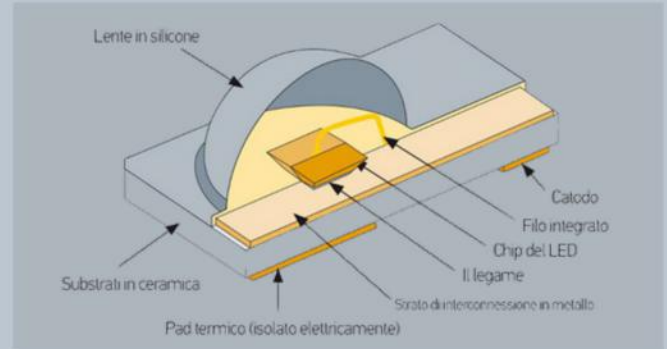


Associate Member

# LED

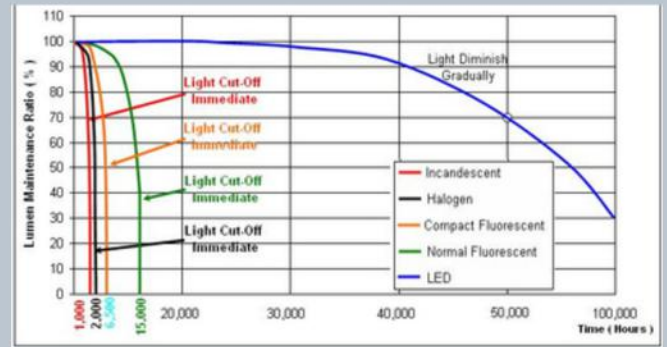
## LED: What and how it works

The LED, acronym for Light Emitting Diode, are semiconductor devices that convert electrical energy directly into light through a process called electroluminescence. This occurs when electrons recombine with holes within the semiconductor material, releasing energy in the form of photons. The color of the emitted light depends on the type of semiconductor material used and its atomic structure. LEDs are known for their energy efficiency, long lifespan, and ability to produce variable-intensity light without the use of filaments or gases.



## LED: Life time

One of the main advantages of LEDs is their long lifespan. While traditional light bulbs may burn out in a few thousand hours, LEDs can last up to 100,000 hours or more, depending on various factors and usage conditions. This extended lifespan is due to the inherently robust nature of LEDs and their ability to maintain high levels of luminous efficiency over time. This results in lower maintenance and replacement costs in the long run, as well as a reduced environmental impact due to the decreased use of electrical energy.



## LED: Light Quality

LEDs offer superior light quality compared to traditional light sources. Thanks to their precise controllability, LEDs allow for flexible adjustment of light intensity and color. This enables the creation of customized lighting environments to meet specific user needs, enhancing visual comfort and energy efficiency. Additionally, LEDs are capable of producing flicker-free light with superior color rendering, which renders colors more naturally and vividly.



## The phPOWER® technology

The phPOWER® technology features:

### WhiteDim®:

The Tunable White technology is capable of adjusting the color temperature to harmonize the artificial light produced by street lighting with daylight.

Temperature control is achieved through an algorithm that dynamically manages the LED power supply. Different color temperature management profiles can be set.

### AutoDim:

The AUTODIM mode allows for night-time power reduction based on an internal timer.

The power supply can automatically synchronize with the street lighting system's on/off times, significantly reducing costs. In this mode, power can be managed through adjusting the grid voltage.



## OPTICS

Optics made of PMMA, POLYCARBONATE, and SILICONE are optical components used in lighting to shape and direct light emitted by light sources, such as LEDs, in specific directions.

PMMA, acronym for polymethyl methacrylate, is also known as Plexiglas or acrylic glass. It is a transparent plastic material that offers good light transmission and greater impact resistance compared to glass. PMMA optics are lightweight, easy to work with, and suitable for applications where good light transmission with minimal dispersion is required.

POLYCARBONATE optics are optimized to harness the unique characteristics of LEDs. They offer numerous advantages, including higher luminous efficiency, impact resistance, heat resistance, and a wide range of design options for various lighting applications.

SILICONE is a flexible and weather-resistant material that allows the use of optics with complex shapes adaptable to various lighting design needs. Silicone optics offer excellent light transmission and can be used in challenging environmental conditions.

All these materials are used for the production of optics optimized for various lighting applications, such as street lighting, architectural lighting, and indoor and industrial lighting, as they can shape and direct light specifically, improving light distribution and reducing glare. The choice among the various optics depends on the specific project requirements and the environmental conditions in which they will be used.

## ILLUMINATING THE FUTURE: PHAENOMENA'S PRESENCE WORLDWIDE

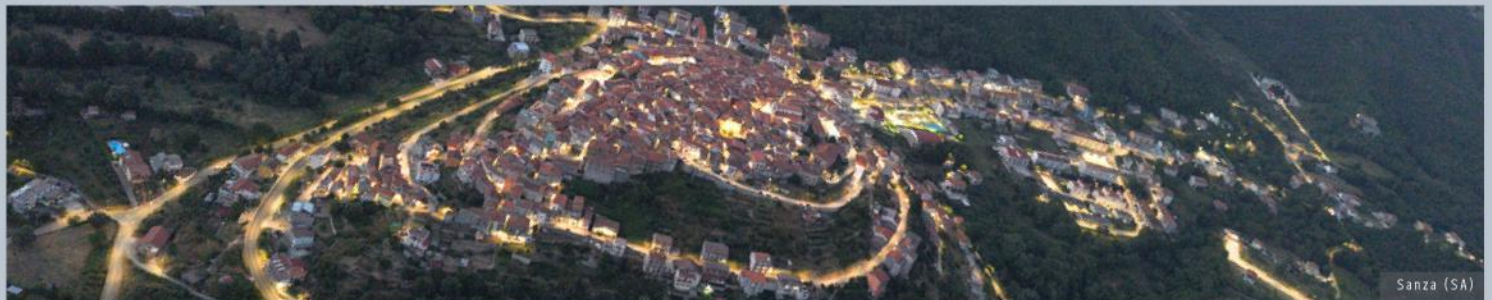
Discover our installations, where with our cutting-edge products, we are transforming landscapes, streets, and cities worldwide. Already established in many countries across Europe and Middle East, our lighting solutions are leaving a luminous imprint in numerous locations.

Thanks to our commitment to innovation and sustainability, we are creating safer, more efficient, and aesthetically pleasing environments.

We continue to expand our reach to illuminate the future of cities worldwide



ILLUMINATING THE FUTURE: PHOTO GALLERY OF SOME OF OUR CASE STUDY



# LEGENDA

## HOW TO READ THE CATALOGUE

**1** **phLUMINAELP2S**

Dalle innovazioni tecnologiche del Road in Italy nasce phLUMINAELP2S, che si distingue non solo per le sue caratteristiche tecniche, ma anche per il design.

Il corpo è realizzato in alluminio anodizzato, verniciato a polveri. Le sue dimensioni e la leggera curva fanno di un elemento tecnico di progettazione, capace di creare un abito in qualsiasi spazio in cui, con il contributo di un'ottima illuminazione, si vuole il punto focale di un progetto. Inoltre, nell'uso dell'acqua corrente, rimane alla temperatura ambiente, consentendo un perfetto funzionamento in qualsiasi condizione ambientale.

Il corpo del phLUMINAELP2S è dotato di un innovativo sistema di illuminazione a LED, grazie all'adozione di un sistema di illuminazione a LED di ultima generazione, che produce una luce bianca, calda, ad alta efficienza, consentendo di ridurre il consumo energetico. Inoltre, il sistema di illuminazione a LED, in cui il corpo del phLUMINAELP2S è dotato di un innovativo sistema di illuminazione a LED, grazie all'adozione di un sistema di illuminazione a LED di ultima generazione, che produce una luce bianca, calda, ad alta efficienza, consentendo di ridurre il consumo energetico.

Il corpo del phLUMINAELP2S è dotato di un innovativo sistema di illuminazione a LED, grazie all'adozione di un sistema di illuminazione a LED di ultima generazione, che produce una luce bianca, calda, ad alta efficienza, consentendo di ridurre il consumo energetico.

**2**

**3**

**4**

**5**

SPECIFICAZIONI TECNICHE	
Modello	phLUMINAELP2S
Descrizione	Prodotto in Italia, con tecnologia di ultima generazione, che produce una luce bianca, calda, ad alta efficienza, consentendo di ridurre il consumo energetico.
Materiali	Aluminio anodizzato, verniciato a polveri.
Dimensioni	100 x 100 x 100 mm
Capacità di illuminazione	1000 lm
Alimentazione	220V AC, 50/60 Hz
Consumo energetico	10W
Temperatura ambiente	0°C - 40°C
Temperatura di esercizio	0°C - 40°C
Temperatura di stoccaggio	-20°C - 60°C
Temperatura di trasporto	-20°C - 60°C
Temperatura di installazione	0°C - 40°C
Temperatura di manutenzione	0°C - 40°C
Temperatura di smaltimento	0°C - 40°C

**6**

**ILLUMINAZIONE STRADALE**

**7**

**8**

**9**

- 1** Article Name
- 2** Product Description
- 3** Key Features
- 4** Product Certifications
- 5** Main characteristics
- 6** Application example
- 7** QR Code to consult technical Datasheet
- 8** Mechanical Characteristics
- 9** Product photos



## LEGEND OF SYMBOLS



Product compliant with safety requirements established by the European Community



Epoxy powder coatings: corrosion-resistant technology for advanced protection and durability



ENEC: Safety and conformity certification for electrical products



Additional thermal performance



ENEC PLUS: Safety and conformity certification with additional sustainability criteria



Indicates photobiological risks:

- RG 0 - EXEMPT RISK
- RG 1 - LOW RISK



IK code measures resistance to mechanical impact



Standards for Smart City intelligent streetlights



IP code indicates protection level against solids and liquids ingress



Restriction of Hazardous Substances



Class I insulation: supplementary protection, earth connection



Lead-free: products without lead presence.



Class II insulation, also known as double insulation, does not require earth connection.



LCA: Life Cycle Assessment of the product or process environmental impact throughout its life cycle



Class III: Protection against higher voltages absent, using very low safety extra-low voltage (SELV)



Product built in Italy, from design conception to production.



Salt spray test: Test of resistance to corrosion in aggressive environments



Product covered by basic warranty (up to 5 years or more) with possibility of extension (on request)





# STREET lighting

# phLUMINAELP2S

From the renowned tradition of Made in Italy comes the phLuminaELP2S, distinguished not only for its illuminating capacity but also for its design.

The body is made of die-cast aluminum, powder-coated. Its dimensions and shape are the result of careful design work aimed at minimizing the surface exposed to the wind, giving the product an elegant and robust line. The transparent tempered glass, resistant to impacts and thermal shocks, along with the AISI 430 stainless steel bolts, complete a product characterized by high construction quality.

At the heart of the phLuminaELP2S lies cutting-edge technology, thanks to the latest generation electronics and LED plate, ensuring uniform and effective brightness, contributing to reducing light pollution. Furthermore, its compatibility with the smart city allows it to adapt to modern lighting management needs.

With the phLuminaELP2S, the excellence of Made in Italy joins practicality and technology to offer a state-of-the-art lighting solution, ideal for a wide range of urban and landscape contexts. An ideal choice for illuminating streets, parking lots, and squares, this lamppost ensures high visibility and creates a welcoming and safe atmosphere.

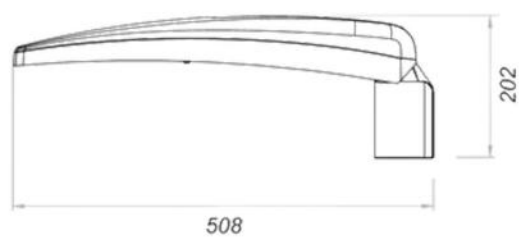
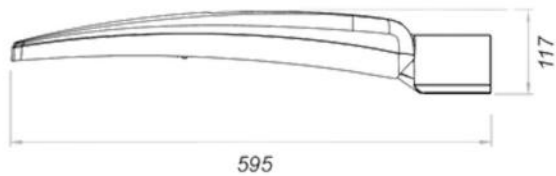
## KEY FEATURES

- Power range: 8.5W to 95.0W
- Luminous efficiency: Up to 159 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)

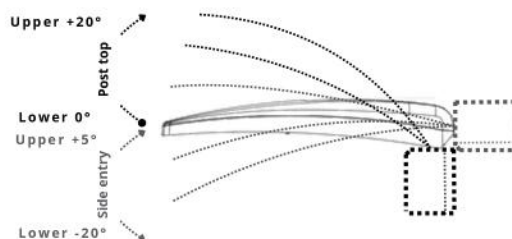
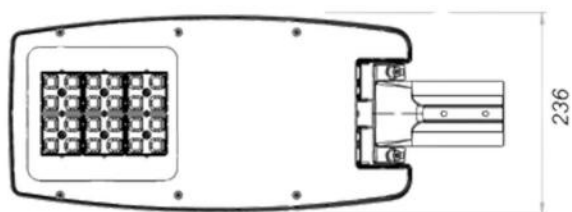


MAIN CHARACTERISTICS	
Applications	Roadways, Car parks, Parks and Squares, Pathways and Bike Paths, Railway Platforms, etc.
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite (optional RAL 7037). Epoxy powder coating after phosphating
Product sizes	595 (508) x 236 x 117 (202) mm
Exposed surface	Windage: 0.082 m <sup>2</sup> - 0.17 m <sup>2</sup>
Weight	6.0 Kg
Mounting	Side entry/ Post-top: Ø 60 mm
Tilt Angle	Bracket: 5°, 0°, -5°, -10°, -15°, -20° Post-top: 0°, +5°, +10°, +15°, +20°
Insulation Class	CL II   CL I (on request)
Protection degree	IP 66   IK08   IK09 (on request)
No. LEDs	4 to 24 LEDs
LED Efficacy	236 lm/W - CRI ≥ 70 - @ 180 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	PMMA street optics in high-performance optical grade
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Test	Salt spray test environment (according to ASTM B 117-1997); Neutral salt spray(NSS) test(according to UNI ISO 9227); UV test (according to UV ISO 11507); Humidity test (according to UNI EN ISO 6270-1).
Operating temperature	-40 / +55 °C (Depending on the driving current)

# STREET lighting



DATA SHEET



# phLUMINAELP2M

The phLuminaELP2M luminaire represents a precision-engineered solution designed to handle higher power outputs compared to its counterpart, the ELP2S model, making it the ideal option for illuminating larger areas. Characterized by a design developed and entirely manufactured in Italy, the phLuminaELP2M lamppost features a die-cast aluminum body that ensures exceptional durability over time.

Every detail of the product has been carefully selected: from the transparent tempered glass, resistant to impacts and thermal changes, to the AISI 430 stainless steel bolts. This attention to detail ensures product quality, while the use of cutting-edge technology in electronics and LED plate ensures uniform and effective brightness, minimizing light pollution.

Ideal for applications in wide streets, parking lots, squares, and other extensive spaces, the phLuminaELP2M luminaire seamlessly combines durability and sophistication, reflecting the excellence of Italian craftsmanship. We offer reliable, efficient, and durable lighting solutions to improve the safety and aesthetics of public spaces, with our phLuminaELP2M transforming every large outdoor environment into an icon of elegance and functionality

## KEY FEATURES

- Power range: 8.5W to 120W
- Luminous efficiency: Up to 150 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



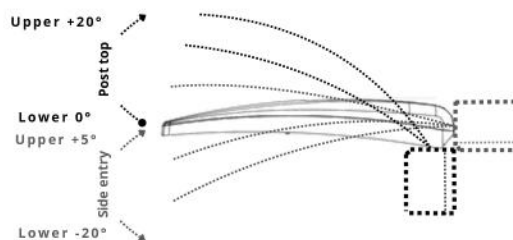
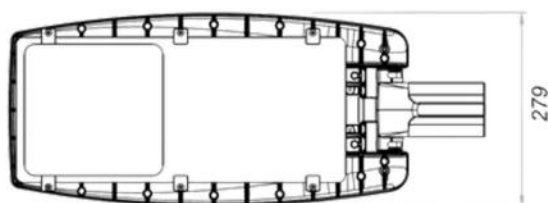
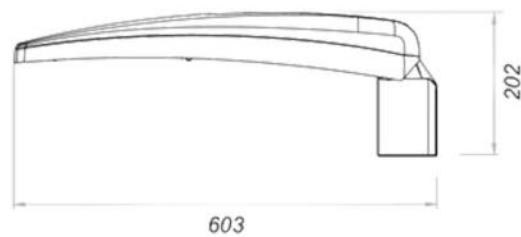
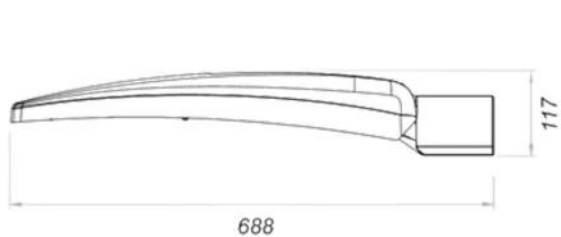
MAIN CHARACTERISTICS	
Applications	Roadways, Car parks, Parks and Squares, Pathways and Bike Paths, Railway Platforms, etc.
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite (optional RAL 7037). Epoxy powder coating after phosphating
Product sizes	688 (603) X 279 X 117 (202) mm
Exposed surface	Windage: 0,082 m <sup>2</sup> - 0,17 m <sup>2</sup>
Weight	7.0 Kg
Mounting	Side entry/ Post-top: Ø 60 mm
Tilt Angle	Bracket: 5°, 0°, -5°, -10°, -15°, -20° Post-top: 0°, +5°, +10°, +15°, +20°
Insulation Class	CL II   CL I (on request)
Protection degree	IP 66   IK08
No. LEDs	4 to 36 LEDs
LED Efficacy	236 lm/W - CRI ≥ 70 - @ 180 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	PMMA street optics in high-performance optical grade
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)



# STREET lighting



DATA SHEET



# phLUMINAELP

The phLuminaELP embodies our commitment to excellence, blending innovation and design in an extraordinary way. Its sleek silhouette, enriched by the carefully designed die-cast aluminum body, sets a new standard of durability and unmatched performance.

Equipped with an integrated inspection compartment that simplifies maintenance, tempered transparent glass resistant to impacts and thermal shocks, paired with AISI 304 stainless steel screws, this lamppost offers a perfect balance between robustness and attention to detail.

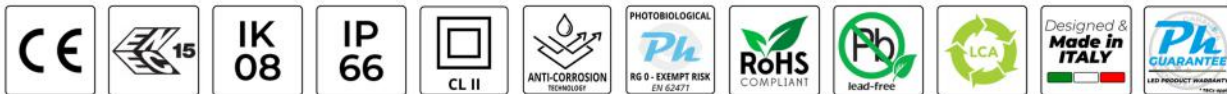
Thanks to the use of innovative technology, the phLuminaELP ensures effective and uniform brightness, contributing to reducing light pollution and improving environmental visibility.

Designed to illuminate wide streets, parking lots, squares, and other large spaces, this lamppost seamlessly blends longevity and sophistication, transforming every environment into a luminous and welcoming setting.

With the phLuminaELP, we offer a promise of reliability, efficiency, and charm, contributing significantly and durably to enhancing the safety and aesthetics of public spaces.

## KEY FEATURES

- Power range: 8W to 150W
- Luminous efficiency: Up to 148 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



MAIN CHARACTERISTICS	
Applications	Roadways, Highways, Parking Lots, Parks and Plazas, Railway Platforms, etc.
Material	High-pressure die cast aluminium
Color	Gray RAL 7037. Epoxy powder coating whit anti-corrosion technology
Product sizes	620 (540) x 260 x 195 (260) mm - S version 690 (610) x 305 x 195 (260) mm - M version 920 (820) x 360 x 195 (260) mm - L version
Exposed surface	Windage: 0,086 m <sup>2</sup> - 0,140 m <sup>2</sup> Windage: 0,096 m <sup>2</sup> - 0,183 m <sup>2</sup> - M version Windage: 0,118 m <sup>2</sup> - 0,252 m <sup>2</sup> - L version
Weight	6.0 Kg - S version 7.0 Kg - M version 10.0 Kg - L version
Mounting	Side entry/ Post-top: Ø 60 mm
Tilt Angle	Bracket: 5°, 0°, -5°, -10°, -15°, -20° Post-top: 0°, +5°, +10°, +15°, +20°
Insulation Class	CL II   CL I (on request)
Protection degree	IP 66   IK08
No. LEDs	4 to 36 LEDs
LED Efficacy	236 lm/W - CRI ≥ 70 - @ 180 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	PMMA street optics in high-performance optical grade
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

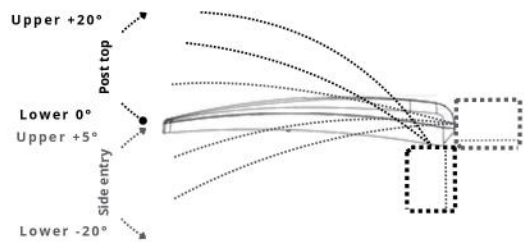
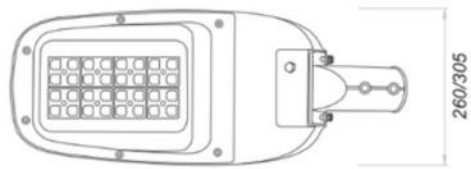
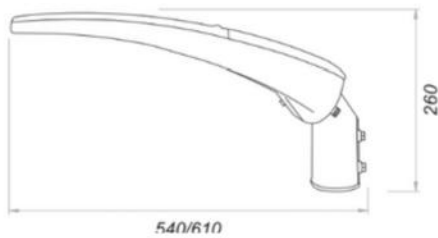
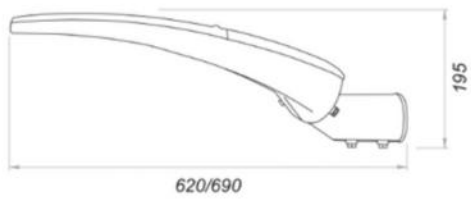




# STREET lighting



DATA SHEET



# phLUMINAELP2XS NEW PRODUCT

phLuminaELP2XS redefines the concept of small-sized streetlights by combining compactness, sustainability, and advanced performance. Designed to minimize size and material usage, this model offers an innovative solution for urban lighting, delivering maximum functionality in an optimized format.

Despite its compact size, phLuminaELP2XS is designed to accommodate all the components typically found in larger models. From full integration of remote control to custom programming via app, this fixture offers flexible and intelligent management, making it perfect for modern and efficient street lighting.

Crafted from high-quality die-cast aluminum, phLuminaELP2XS combines strength and lightness, simplifying transportation and installation. Its advanced optics ensure uniform, high-quality lighting, making it ideal for urban streets, bike lanes, and pedestrian areas.

Thanks to its compact design and advanced technological capabilities, phLuminaELP2XS represents a sustainable, cutting-edge solution that blends the best of technical innovation with a green sensibility. An ideal choice for those seeking efficiency, versatility, and reliability in a smaller yet remarkably high-performance form.

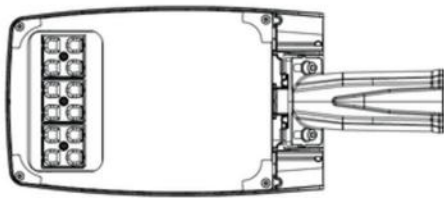
## KEY FEATURES

- **Power Range:** 8.5W to 82.5W
- **Luminous Efficiency:** Up to 150 lm/W
- **LED Lifespan:** Over 100,000 Hours
- **Smart City Compatible**
- **Photocell Options**
- **Optional Dimming**
- **Customizable Color Temperature (K)**

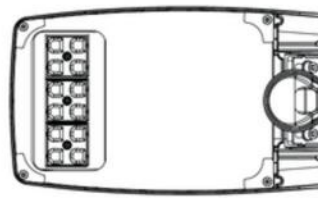


MAIN CHARACTERISTICS	
Applications	Roadways, Car parks, Parks and Squares, Pathways and Bike Paths, Railway Platforms, etc.
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite (optional RAL 7037). Epoxy powder coating after phosphating
Product sizes	497 (365) x 216 x 85 (204) mm
Exposed surface	Windage: 0.09 m <sup>2</sup> - 0.045 m <sup>2</sup>
Weight	4.0 Kg
Mounting	Side entry/ Post-top: Ø 60 mm
Tilt Angle	Bracket: 5°, 0°, -5°, -10°, -15°, -20° Post-top: 0°, +5°, +10°, +15°, +20°
Insulation Class	CL II   CL I (on request)
Protection degree	IP 66   IK08
No. LEDs	4, 8, 12, 18 LEDs
LED Efficacy	236 lm/W - CRI ≥ 70 - @ 180 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	PMMA street optics in high-performance optical grade
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# STREET lighting



216



216



85

497



204

365



DATA SHEET







# URBAN lighting

# phLUMINA Trilogy Tipo-A

The phLuminaTrilogy line represents a product designed for urban environments, but its use extends far beyond, thanks to its versatility allowing integration in a wide range of contexts. Characterized by a minimalist style, this luminaire stands out for its elegant profile enriched with rounded corners, giving a distinctive touch to every environment.

The phLuminaTrilogy easily adapts to different settings due to its flexibility in terms of power and the multiple mounting options available. It can seamlessly integrate into varied settings, ranging from residential neighborhoods to historic centers, from parks to gardens, from squares to pedestrian streets, and much more.

In addition to being an icon of elegance, the phLuminaTrilogy is a tribute to Italian craftsmanship, with a process that enhances quality and tradition, from the design phase to the final realization. Its durability places it at the forefront of the industry, offering a range of intelligent management options that allow adaptability to continuously evolving needs.

## KEY FEATURES

- **Power range: 12W to 76W**
- **Luminous efficiency: Up to 174.4 lm/W**
- **LED lifetime >100,000 hours**
- **Smart City compatible**
- **Photocell options**
- **Optional dimming**
- **Customizable color temperature (k)**

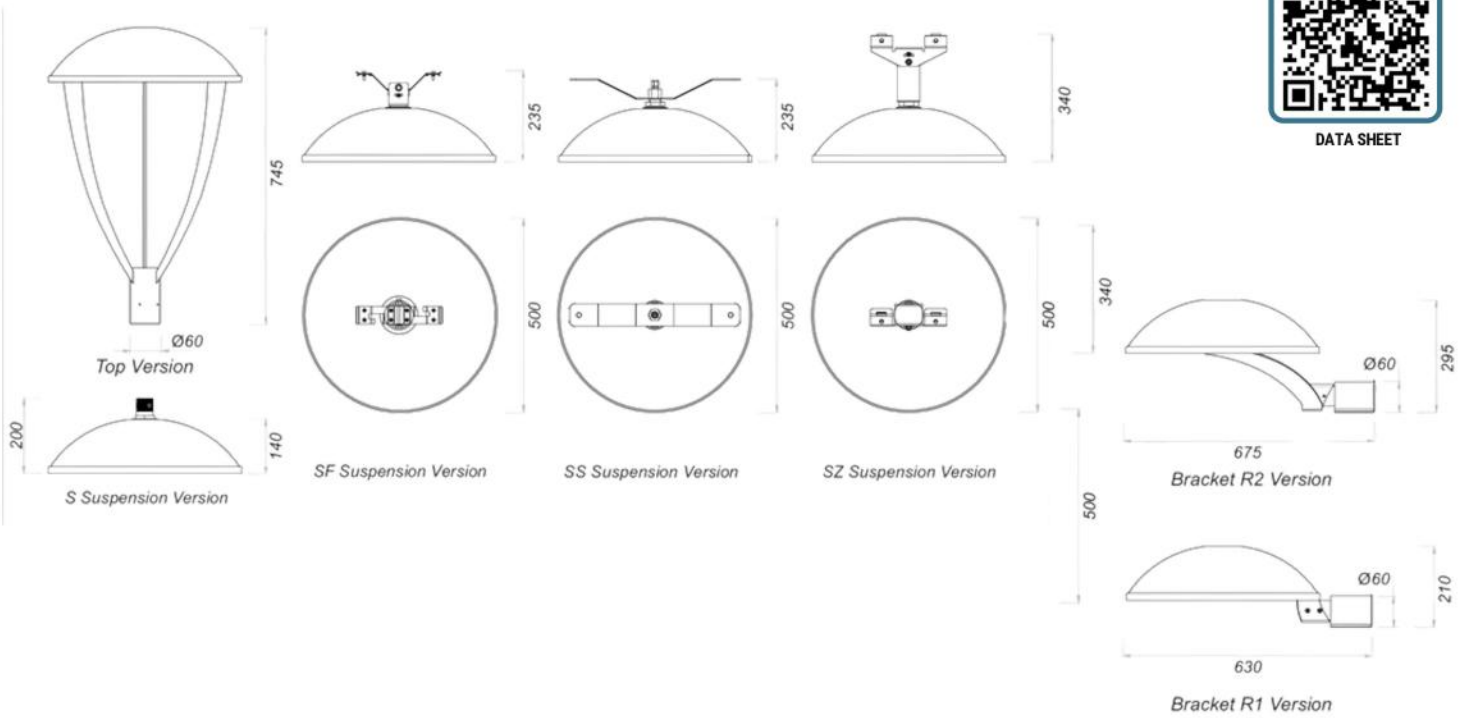


MAIN CHARACTERISTICS	
Applications	Urban environments, Historic centers, Parks and Plazas, Sidewalks and Bike paths
Material	Aluminum / AISI 430 Steel / AISI 304 Steel.
Color	Anthracite. Epoxy powder coating with anti-corrosion technology.
Product sizes	Ø500 x 745 mm (Top Version) Ø500 x 200 mm ('S' Suspension Version) Ø500 x 235mm ('SF' Suspension Version) Ø500 x 340mm ('SZ' Suspension Version) Ø500 x 235mm ('SS' Suspension Version) 630 x 500 x 210mm (Bracket R1 Version) 675 x 500 x 295mm (Bracket R2 Version)
Exposed surface	Windage max: 0,196m <sup>2</sup> - entire range
Weight	from 6.0 Kg to 10.0 Kg
Mounting	Suspension, Top, Bracket
Tilt Angle	Bracket (R1-R2) da -10°, -5°, 0°, +5°, +10° (on request)
Insulation Class	CL II   CL I <i>on request</i>
Protection degree	IP 66   IK06
No. LEDs	8, 12, 16, 24, 36 LEDs
LED Efficacy	236 lm/W - CRI ≥ 70 - @ 180 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# URBAN lighting



DATA SHEET



# phLUMINA Trilogy Tipo-B

The phLuminaTrilogy family is enriched with the addition of the Type-B variant, characterized by a slightly more rounded cap that gives the lamp a more imposing presence and greater power in terms of wattage. While maintaining all the distinctive features of its Type-A counterpart, this version stands out for its slightly larger dimensions and higher luminous capacity.

With its minimalist design, the phLuminaTrilogy Type-B seamlessly blends into a wide range of urban contexts and beyond, offering timeless elegance and unmistakable Italian craftsmanship. Whether it's residential neighborhoods, historic centers, parks, or pedestrian streets, this lamp integrates naturally, while also providing cutting-edge lighting performance and extraordinary durability.

Equipped with a wide range of management options, the phLuminaTrilogy Type-B is ready to meet the ever-evolving needs of our urban centers, representing a versatile and reliable solution for public lighting.

## KEY FEATURES

- Power range: 12W to 92W
- Luminous efficiency: Up to 174.4lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



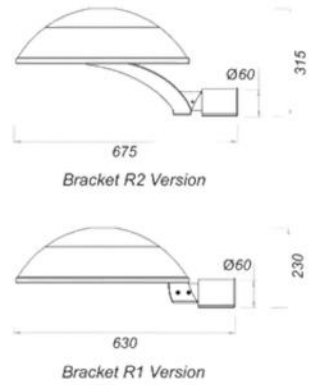
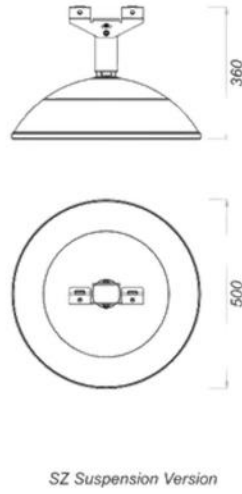
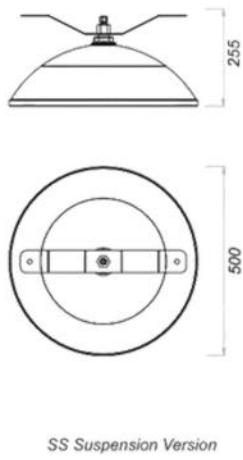
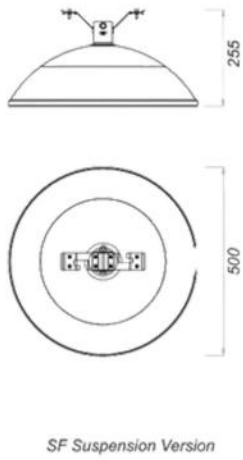
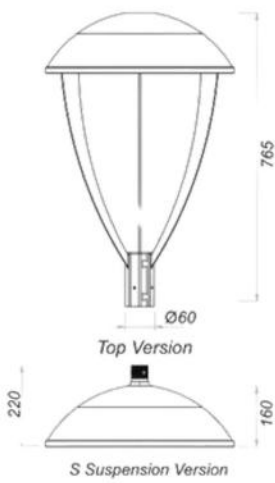
MAIN CHARACTERISTICS	
Applications	Urban environments, Historic centers, Parks and Plazas, Sidewalks and Bike paths
Material	Aluminum / AISI 430 Steel / AISI 304 Steel.
Color	Anthracite. Epoxy powder coating with anti-corrosion technology.
Product sizes	Ø500 x 745 mm (Top Version) Ø500 x 200 mm ('S' Suspension Version) Ø500 x 235mm ('SF' Suspension Version) Ø500 x 340mm ('SZ' Suspension Version) Ø500 x 235mm ('SS' Suspension Version) 630 x 500 x 210mm (Bracket R1 Version) 675 x 500 x 295mm (Bracket R2 Version)
Exposed surface	Windage max: 0,196m <sup>2</sup> - entire range
Weight	from 6.0 Kg to 10.0 Kg
Mounting	Suspension, Top, Bracket
Tilt Angle	Bracket (R1-R2) da -10°, -5°, 0°, +5°, +10° (on request)
Insulation Class	CL II   CL I on request
Protection degree	IP 66   IK06
No. LEDs	8, 12, 16, 24, 36 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)



# URBAN lighting



DATA SHEET



# phLUMINALQ

The phLuminaLQ, a lantern that embodies the essence of classic elegance and timeless design, conceived with particular attention to urban environments and a deep respect for tradition.

Characterized by its square lines and traditional aesthetic, the phLuminaLQ adds a touch of nostalgia to contemporary spaces, thanks to its meticulous attention to detail. This lantern seamlessly integrates into historic centers, residential neighborhoods, parks, gardens, squares, and pedestrian streets, imparting a refined elegance to every setting.

Every detail, from the initial design phase to the final construction, reflects an unequivocal commitment to unparalleled quality.

At the forefront of innovation and longevity, the phLuminaLQ harmoniously blends classic elegance with modern intelligence. Its range of management options ensures adaptability to the changing needs of urban life, providing a versatile and reliable lighting solution.

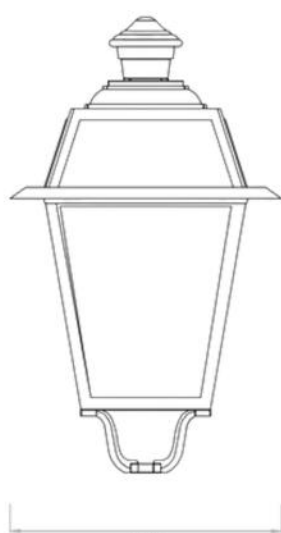
## KEY FEATURES

- Power range: 12W to 76W
- Luminous efficiency: Up to 174.4lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



MAIN CHARACTERISTICS	
Applications	Urban environments, Historic centers, Parks and Plazas, Sidewalks and Bike paths, etc
Material	High-pressure die cast aluminium UNI EN 46100
Color	RAL 9005 embossed. Epoxy powder coating with anti-corrosion technology.
Product sizes	450 x 760 mm (Top Version) 450 x 800 mm (Suspension)
Exposed surface	Windage max: 0,202m <sup>2</sup> - entire range
Weight	9.0 Kg
Mounting	Suspension, Top
Insulation Class	CL II   CL I on request
Protection degree	IP 66   IK06
No. LEDs	8, 12, 16, 24, 36 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Altre (K) disponibili su richiesta
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# URBAN lighting

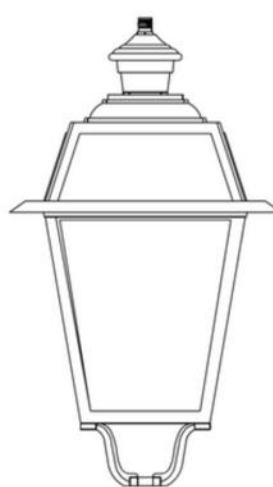


450

TOP Version



760



450

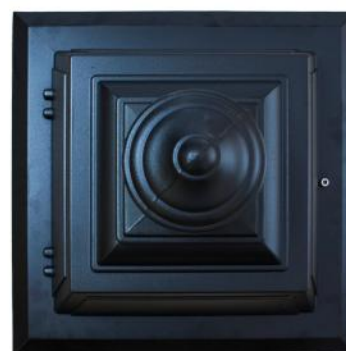
S Version (suspension)



800



DATA SHEET



# phLUMINAMARTE

The phLuminaMarte has been designed to meet the most sophisticated needs of urban environments. With a sophisticated aesthetic that exudes refinement and modernity, this lighting solution stands out for its impeccable design and attention to detail.

Its elegant lines give phLuminaMarte an unparalleled prestige, conveying exclusivity and sophistication. Thanks to its versatility, phLuminaMarte elegantly fits into a wide range of urban contexts, from residential areas to historic centers, from parks to gardens, from squares to pedestrian streets, and beyond.

In addition to providing quality lighting, phLuminaMarte is an expression of high-level craftsmanship, highlighting the excellence of Italian craftsmanship. Every detail, from the initial design phase to the final construction, reflects a commitment to ensuring uncompromising quality.

Thanks to its longevity and innovation, phLuminaMarte stands at the forefront of the industry. In addition to embodying elegance, it introduces technology with a range of management options that ensure maximum adaptability to the changing needs of urban life.

Immerse yourself in the world of quality lighting with phLuminaMarte, where style, craftsmanship, and innovation converge in perfect harmony to create a unique and unparalleled lighting experience.

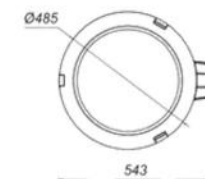
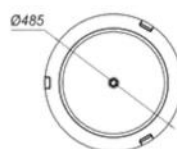
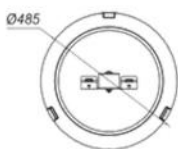
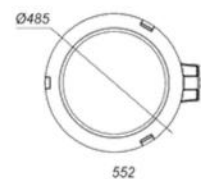
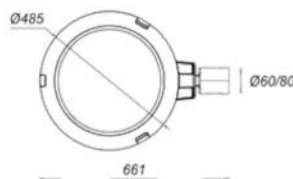
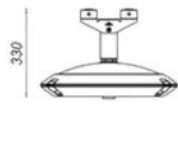
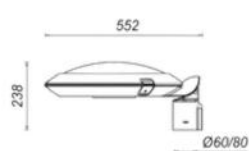
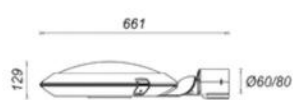
## KEY FEATURES

- Power range: 12W to 76W
- Luminous efficiency: Up to 174.4lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



MAIN CHARACTERISTICS	
Applications	Urban environments, Historic centers, Parks and Plazas, Sidewalks and Bike paths, etc
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite. Epoxy powder coating with anti-corrosion technology.
Product sizes	Ø485 x 650 mm (Top Version) Ø485 x 165 mm ('S' suspension Version) Ø485 x 330 mm ('SZ' Version) 552 x 485 x 238 mm (Top R1 Version) 661 x 485 x 129 mm (Bracket R1 Version)
Exposed surface	Windage: 0,18 m <sup>2</sup> - 0,062 m <sup>2</sup> - Version S - R1 - SZ Windage: 0,18 m <sup>2</sup> - 0,085 m <sup>2</sup> - Version post-top
Weight	7.0 Kg
Mounting	Bracket or Top R1 (pole Ø60/80) Top (palo Ø60)
Tilt angle	R1 version from 20°, -15°, -10°, -5°, 0°, 5°, 10°, 15°, 20° (on request)
Insulation Class	CL II   CL I on request
Protection degree	IP 66   IK06
No. LEDs	8, 12, 16, 24, 36 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Altre (K) disponibili su richiesta
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V- 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# URBAN lighting



Bracket R1 Version

Top R1 Version

SZ Suspension Version

S Suspension Version

Top Version



DATA SHEET



# phLUMINALQ-L NEW PRODUCT

phLuminalQ-L is a lamp designed to highlight historic city centers, blending a classic aesthetic with cutting-edge lighting technologies. Ideal for squares, alleyways, parks, and other prestigious urban spaces, this solution combines elegance and functionality while respecting the architectural harmony of historic contexts.

With a die-cast aluminum structure and high-quality finishes, phLuminalQ-L offers durability and resistance to weather conditions, ensuring reliable performance over time. The high-efficiency LED sources provide uniform, comfortable lighting, helping to reduce energy consumption and light pollution.

phLuminalQ-L is available with different optics and color temperatures, allowing for customized lighting that enhances the unique features of historic centers without compromising their traditional charm. The carefully crafted design and elegant proportions make it the perfect choice for those seeking urban lighting that respects cultural heritage, improving both accessibility and safety.

With phLuminalQ-L, technology and tradition come together to create captivating and welcoming atmospheres, helping to transform historic city centers into stylish and sustainable illuminated settings.

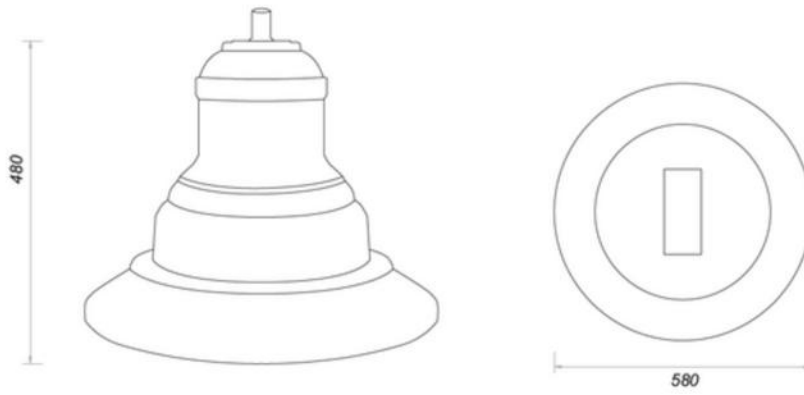
## SPECIFICHE RILEVANTI

- **Power Range:** 12W to 76W
- **Luminous Efficiency:** Up to 174.4 lm/W
- **LED Lifetime:** Over 100,000 Hours
- **Smart City Compatible**
- **Optional Dimming**
- **Customizable Color Temperature (K)**



CARATTERISTICHE PRINCIPALI	
Applications	Urban Environments, Historic Centers, Avenues, Parking Lots, Parks and Squares, Sidewalks, and Bike Lanes
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite. Epoxy powder coating after phosphating
Product sizes	480X580(d max)mm
Weight	7.0 Kg
Mounting	Suspended
Insulation Class	CL II   CL I (on request)
Protection degree	IP 66   IK06
No. LEDs	8, 12, 16, 24, 36 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	2200K - 722/669   2700K - 727/669 3000K - 730/669   4000K - 740/669   5700K - 757/669
LEDs lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# URBAN lighting









**RETROFIT**

kit

# phLUMINA EIP

The phLuminaEIP retrofit module represents an innovative lighting solution, specially designed for relamping older fixtures, with the aim of combining savings and efficiency while bringing new light. Thanks to its adaptability and versatility, this retrofit module is designed to be installed in various models of old luminaires, giving them a touch of refinement and modernity.

The tangible benefits of this module are manifold: the integration of cutting-edge LED technology allows for a significant reduction in energy consumption while ensuring uniform lighting. The ease and speed of installation make relamping with phLuminaEIP an easy, efficient, and hassle-free operation, eliminating the need to replace the entire fixture.

phLuminaEIP not only improves existing lighting but also underscores a commitment to environmental sustainability thanks to its extended energy efficiency. With an extended operating life, this retrofit module combines cutting-edge performance with quality materials, representing a durable and sustainable choice that breathes new life into old luminaires.

## KEY FEATURES

- **Power range: 12W to 116W**
- **Luminous efficiency: Up to 174.4lm/W**
- **LED lifetime >100,000 hours**
- **Smart City compatible**
- **Photocell options**
- **Optional dimming**
- **Customizable color temperature (k)**

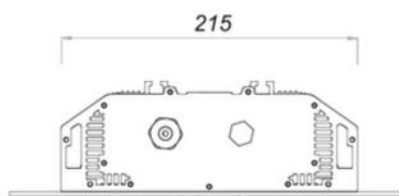


MAIN CHARACTERISTICS	
Applications	Lamposts, luminaries
Material	D-Bond/Extruded aluminium
Color	On request
Product sizes	Customizable
Weight	< 5 kg
Mounting	Within existing luminaires
Insulation Class	CL II   CL I on request
Protection degree	IP 66   IK06
No. LEDs	8, 12, 16, 24, 36 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Altre (K) disponibili su richiesta
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# RETROFIT kit



DATA SHEET



# Auriga

AURIGA is a cutting-edge retrofit lighting solution specially designed for relamping fixtures, with the aim of combining savings and efficiency while bringing new light. Designed to transform spaces with 360° enveloping light and a wider beam.

This innovative lighting module stands out for its ability to uniformly illuminate environments, diffusing distributed light that creates a welcoming and comfortable atmosphere. Its advanced technology allows for optimal light distribution, ensuring uniform and shadow-free illumination.

Thanks to its versatility and customization options, AURIGA easily adapts to a variety of environments, from residential areas to historic centers and outdoor spaces. Its simple and fast installation makes it ideal for retrofitting existing lighting systems, offering high-quality lighting and superior energy efficiency.

With AURIGA, transform your spaces into bright, cozy, and inviting places, creating an ideal environment to live and relax.

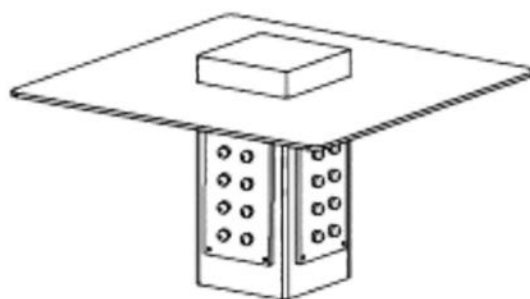
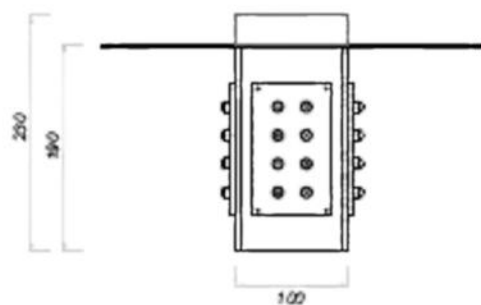
## KEY FEATURES

- Power range: 12W to 70W
- Luminous efficiency: Up to 128 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



MAIN CHARACTERISTICS	
Applications	Lamposts, luminaries
Material	D-Bond   Extruded aluminium
Color	On request
Product sizes	Customizable
Weight	< 5 kg
Mounting	Within existing luminaires
Insulation Class	CL II   CL I on request
Protection degree	IP 66   IK06
No. LEDs	8, 12, 16, 24, 36 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Altre (K) disponibili su richiesta
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# RETROFIT kit



DATA SHEET







# SOLAR POWER lighting

# phWOW

The phWOW is a lighting fixture that combines effectiveness, versatility, and sustainable technology. Powered by solar energy, this device not only illuminates spaces but also stands out as an icon of eco-friendly innovation.

The integrated photovoltaic panels in the structure capture solar energy, providing a clean and renewable power source. The phWOW luminaire offers significant benefits: it reduces dependence on conventional energy sources and minimizes environmental impact by harnessing green energy sources.

The intelligent energy management system ensures efficient distribution, optimizing the use of solar energy to ensure constant and reliable illumination throughout the night. Additionally, the phWOW is equipped with lithium batteries that provide up to 3 days of operation with 8 hours of daily lighting.

The brightness adjustment function and battery charging activation contribute to a balanced use of energy, offering a prolonged and efficient lighting solution.

## KEY FEATURES

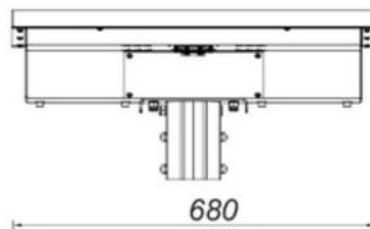
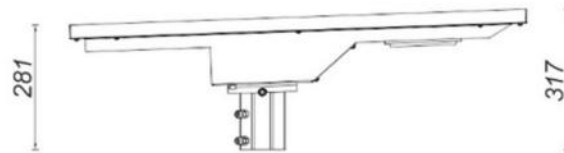
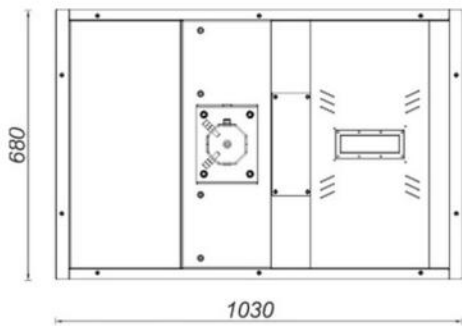
- Power: 36W
- Efficacy up to 160 lm/W
- Battery capacity: 30Ah to 40Ah
- Solar panel power: 90W to 120W
- Lifetime LED: >100,000hr
- Dimming Options
- Colour Temperature Options
- Lithium Battery



MAIN CHARACTERISTICS	
Applications	Streets, parks, sidewalks, bike paths, green areas, etc.
Material	Stainless Steel 430
Color	RAL 7035 - Epoxy powder coating with anti-corrosion technology
Product sizes	1030 x 680 x 327 mm 780 x 680 x 324 mm
Exposed surface	Windage: 0.70 m <sup>2</sup> - 0.13 m <sup>2</sup> - 0.10 m <sup>2</sup> Windage: 0.53 m <sup>2</sup> - 0.13 m <sup>2</sup> - 0.08 m <sup>2</sup>
Weight	max 27Kg
Mounting	Post Top (Ø 89 mm)
Insulation Class	CL III (SELV)
Protection degree	IP 66   IK06
No. LEDs	12 LED
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages	12 VDC
Solar Panel Power	from 90W to 120W
Battery Capacity	from 30 to 40Ah lithium
Autonomy	3 days fully charged Lithium Battery
Dimming	Dimming based on battery charge or preset times (programmable)
Charge Controller	MPPT with twilight function or preset times (programmable) Efficiency ≥ 94%
FON (function always on)	Integrated device with a function algorithm that takes into account the battery's charge status and adjusts the current output to ensure 8 hours of operation.
S/P Ratio (Scotopic/Photopic)	≥ 1,4
Operating temperature	-20° / +50 °C (Depending on the driving current)



# SOLAR POWER lighting



DATA SHEET



# phLUMINAELP2S\_FV

phLuminaELP2S\_FV is a solar-powered lighting solution derived from the phLuminaELP2S model, retaining all its key features. Designed with a die-cast aluminum body, phLuminaELP2S\_FV ensures exceptional durability, optimized for the integration of photovoltaic panels and operation at various current voltages suitable for solar power supply.

Like its reference model, phLuminaELP2S\_FV features impact-resistant tempered glass, along with stainless steel screws. This solar lamp utilizes cutting-edge lighting technology to provide efficient and uniform brightness, effectively reducing light pollution.

Designed for streets, parking lots, parks, and similar environments, phLuminaELP2S\_FV combines longevity and sophistication, reflecting the excellence of Italian craftsmanship. Offering a reliable, efficient, and durable lighting solution, it contributes to enhancing the safety and aesthetics of public spaces with the benefits of green energy, offering long-term savings.

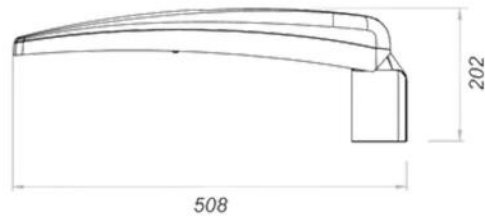
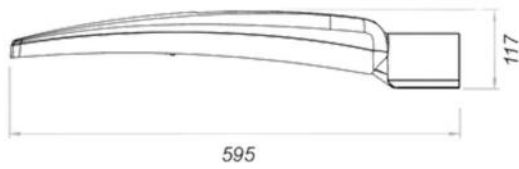
## KEY FEATURES

- Power range: 17W to 95W
- Operating voltages: 36-48-60-72 Vdc
- Luminous efficiency: Up to 159 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)

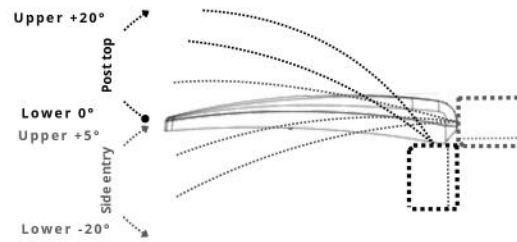
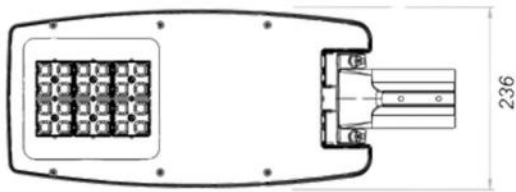


MAIN CHARACTERISTICS	
Applications	Roadways, Car parks, Parks and Squares, Pathways and Bike Paths, Railway Platforms, etc.
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite (optional RAL 7037). Epoxy powder coating after phosphating
Product sizes	595 (508) x 236 x 117 (202) mm
Exposed surface	Windage: 0.082 m <sup>2</sup> - 0.17 m <sup>2</sup>
Weight	6.0 Kg
Mounting	Side entry/ Post-top: Ø 60 mm
Tilt Angle	Bracket: 5°, 0°, -5°, -10°, -15°, -20° Post-top: 0°, +5°, +10°, +15°, +20°
Insulation Class	CL III (SELV)
Protection degree	IP 66   IK08   IK09 su richiesta
No. LEDs	4, 8, 12, 16, 20, 24 LED
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 su richiesta
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	PMMA street optics in high-performance optical grade
Operating voltages	36 VDC   48 VDC   60 VDC   72 VDC
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Test	Salt spray test environment (according to ASTM B 117-1997); Neutral salt spray(NSS) test(according to UNI ISO 9227); UV test (according to UV ISO 11507); Humidity test (according to UNI EN ISO 6270-1).
Operating temperature	-40 / +55 °C (Depending on the driving current)

# SOLAR POWER lighting



DATA SHEET







**LARGE AREA**  
lighting

# phEvoGEMINI

The phEvoGEMINI projector, entirely conceived and developed in Italy by our company, represents a versatile and reliable lighting solution designed to illuminate large areas effectively and precisely.

Characterized by a robust and resistant design, this projector offers powerful and uniform lighting, ensuring optimal visibility in any context. Thanks to advanced LED technology, it provides efficient and low-energy consumption lighting, while reducing environmental impact without compromising luminous efficiency.

With flexible mounting options and a range of available powers, the phEvoGEMINI projector easily adapts to various needs, from sports fields to industrial spaces, from commercial areas to outdoor events.

Thanks to its reliability and high performance, the phEvoGEMINI projector is the ideal choice for illuminating large spaces, offering an excellent combination of quality, durability, and efficiency.

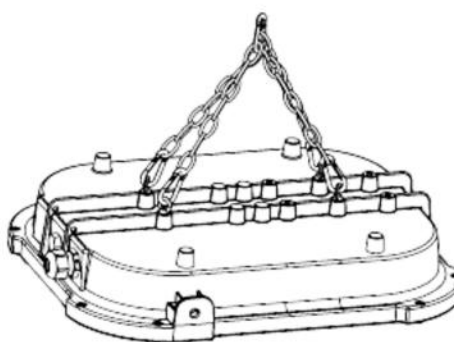
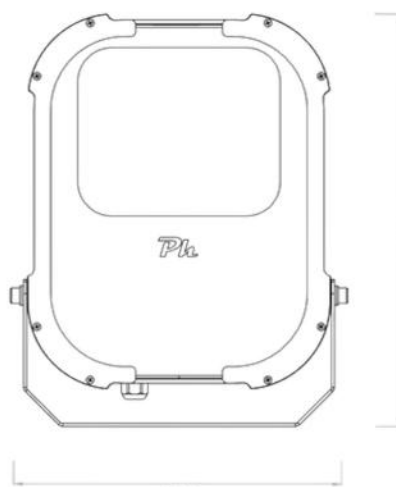
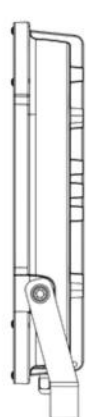
## KEY FEATURES

- Power range: 71W to 161W
- Luminous efficiency: Up to 153 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



MAIN CHARACTERISTICS	
Applications	Area Lighting, Security Lighting, Perimeter Lighting, Retail Parks, Outdoor Retail Sites, etc
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite (optional RAL 7037). Epoxy powder coating after phosphating
Product sizes	315 x 405 x 750 mm
Exposed surface	Windage: 0,13 m <sup>2</sup> - 0,03 m <sup>2</sup>
Weight	7.5 Kg
Mounting	Wall mounting   Post top pole   Suspended with chain
Tilt Angle	Wall mounting: -60° to 60° approx.
Insulation Class	CL I   CL II (on request)
Protection degree	IP 66   IK08   IK09 (on request)
No. LEDs	16, 24, 36 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 (on request)
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA Optics in high-performance optical grade POLYCARBONATE
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Test	Salt spray test environment (according to ASTM B 117-1997); Neutral salt spray test (according to UNI ISO 9227);
Operating temperature	-40 / +55 °C (Depending on the driving current)

# LARGE AREA lighting



Suspended with chain



DATA SHEET



DATA SHEET



# phEvoSTADIO

The phEvoStadio is a floodlight designed for large areas such as stadiums, ports, airports, and more. Entirely conceived and developed in Italy by our company, the phEvoStadio floodlight is a versatile and reliable lighting solution, designed to effectively and precisely illuminate extensive areas.

Characterized by a robust and sturdy design, this floodlight provides powerful and uniform illumination, ensuring optimal visibility in any setting. Equipped with advanced LED technology, the floodlight ensures efficient and low-energy lighting, reducing environmental impact without compromising luminous efficiency.

With flexible mounting options and tower floodlight grouping, along with a range of available power options, the phEvoStadio floodlight easily adapts to various needs.

Thanks to its reliability and high performance, the phEvoStadio floodlight is the ideal choice for illuminating large spaces, offering an excellent combination of quality, durability, and efficiency.

## KEY FEATURES

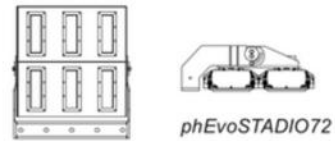
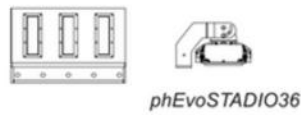
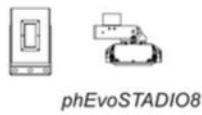
- Power range: 38W to 1366W
- Luminous efficiency: Up to 141 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)
- CRI≥80 | CRI≥90 options



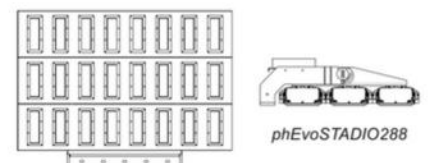
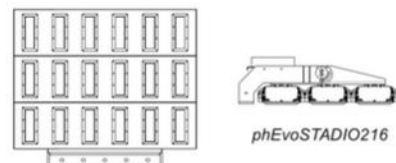
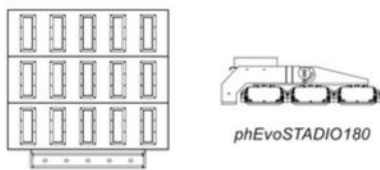
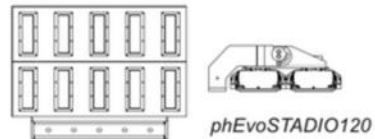
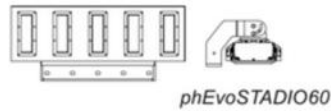
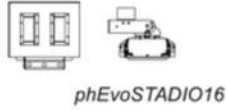
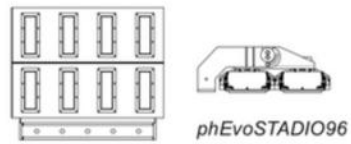
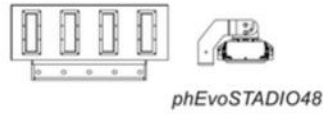
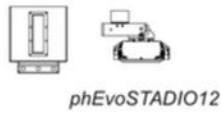
MAIN CHARACTERISTICS	
Applications	Sporting venues, High mast, Large areas, Security, Ports and airports, etc
Material	Powder-coated carbon steel body with heat sink in anodised aluminium
Color	Black RAL9005   Gray RAL9007. Powder coating after phosphating.
Product sizes	Refer to the technical datasheet
Exposed surface	Refer to the technical datasheet
Weight	Refer to the technical datasheet
Mounting	High mast / Wall mounting
Tilt Angle	Refer to the technical datasheet
Insulation Class	CL I   CL II (on request)
Protection degree	IP 66   IK07   IK08 (on request)
No. LEDs	from 8 to 288 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80   CRI≥90 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)



# LARGE AREA lighting



DATA SHEET



# phEvoMEGA

phEvoMEGA is a flood light designed for large areas and sports stadia, ideal for providing powerful and uniform illumination.

Fully conceived and developed in Italy by our company, the phEvoMEGA stands out for its modularity and versatility, making it a perfect solution for precisely and efficiently lighting spaces such as stadia, sports fields, ports, airports, and other large areas.

The phEvoMEGA offers mounting flexibility, thanks to its modular options that allow for customisation based on the specific needs of the site. Additionally, with a range of available power options, this projector can be adapted to achieve maximum luminous efficiency in any scenario.

The combination of reliability, high performance, and modular design makes the phEvoMEGA the ideal choice for large area lighting.

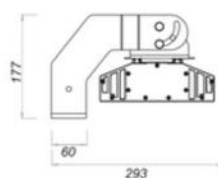
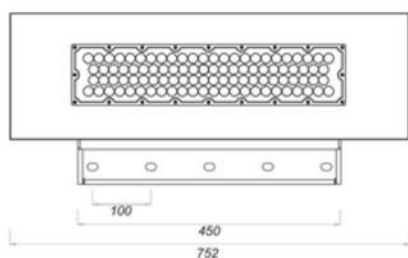
## KEY FEATURES

- Power range: 424W to 1270W
- Luminous efficiency: Up to 139 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)
- CRI≥80 | CRI≥90 options

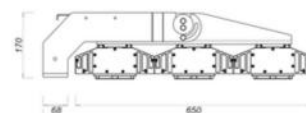
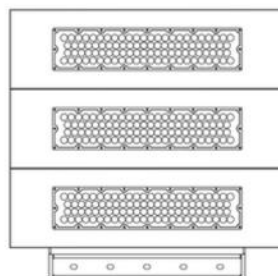
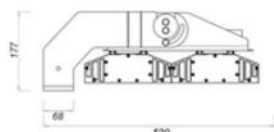
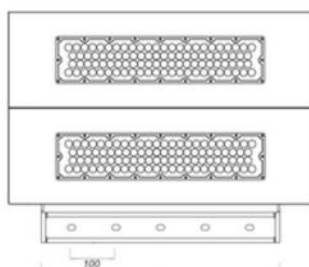


MAIN CHARACTERISTICS	
Campo di applicazione	Sports, High mast, Large Area Lighting, Ports and Airports.
Materiale	Carbon steel structure with anodised aluminium heatsink
Colore	Black RAL9005   Brackets RAL9007. Epoxy powder coating after phosphating
Dimensioni	Refer to the technical datasheet
Superficie esposta	Refer to the technical datasheet
Peso	Refer to the technical datasheet
Montaggio	High mast / Wall mounting
Angolo di inclinazione	Refer to the technical datasheet
Classe di isolamento	CL I   CL II (on request)
Grado di resistenza	IP 66   IK07   IK08 (on request)
N° di LED	96, 192, 288
Efficienza luminosa LED	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80   CRI≥90 on request
Temperatura di colore LED	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
Aspettativa di vita LED	≥ 100.000hr L90B10 LM 80, TM-21
Gruppo ottico	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Tensioni e frequenze operative	220-240 V~ 50/60 Hz
Fattore di potenza	Cosφ ≥ 0.98 (at full load)
Protezione dalle sovratensioni (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Sistema di controllo (opzionale)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programmabilità (opzionale)	On-site driver reprogramming through NFC and related app.
Dimming	Optional module for seasonal, weekly, and daily dimming.
Temperatura di funzionamento	-40 / +55 °C (Depending on the driving current)

# LARGE AREA lighting



DATA SHEET



# phEvoSTADIOITA

phEvoStadioITA is a customizable lighting solution that offers high-quality performance. Developed by Phaenomena, this projector is designed to fit artistic or decorative contexts, standing out for its versatility and customization capabilities.

phEvoStadioITA is a cutting-edge projector that exceeds expectations, allowing lighting customization through RGB or RGBW technology. This option enables the creation of unique lighting scenarios, adjusting the hue and intensity of light according to specific needs. Thanks to Phaenomena's advanced system, the phEvoStadioITA projector is perfectly suited for artistic lighting, highlighting monuments or creating evocative atmospheres.

Whether it's enhancing artworks, monuments, or artistic events, the phEvoStadioITA projector offers high-quality customized lighting, contributing to the creation of engaging and immersive atmospheres.

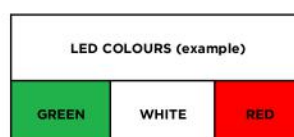
Experience the luminous versatility of the phEvoStadioITA projector, where performance and customization merge for a unique visual experience.

## KEY FEATURES

- Power range: 39W to 89W
- Luminous efficiency: Up to 117 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- RGB | RGBW



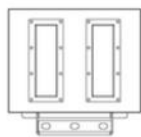
MAIN CHARACTERISTICS	
Applications	Artistic contexts, Decorative environment
Material	Struttura in acciaio di carbonio con dissipatore in alluminio anodizzato
Color	Black RAL9005   Gray RAL9007. Powder coating after phosphating
Product sizes	Refer to the technical datasheet
Exposed surface	Refer to the technical datasheet
Weight	Refer to the technical datasheet
Mounting	High mast   Wall mounting   Floor mounting
Tilt Angle	Refer to the technical datasheet
Insulation Class	CL I   CL II (on request)
Protection degree	IP 66   IK07   IK08 (on request)
No. LEDs	from 12 to 120 LEDs
LED Efficacy	130 lm/W - @ 350 mA, T = 25 °C
Color temperature	RGB   RGBW
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA (IP Type) Optics in high-performance optical grade POLYCARBONATE (IP Type) Optics in high-performance optical grade SILICONE (IP Type)
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)



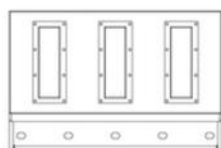
# LARGE AREA lighting



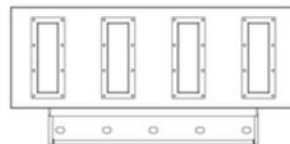
DATA SHEET



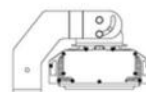
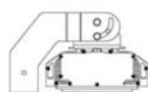
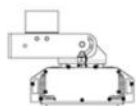
*phEvoSTADIO24*



*phEvoSTADIO36*



*phEvoSTADIO48*







# TUNNEL lighting

# phEvoTUNNEL

phEvoTUNNEL is a robust and versatile lighting solution designed for critical environments such as tunnels, subways, industrial applications, railways, and more. Assembled with high-quality materials, phEvoTUNNEL is engineered to deliver reliable performance in the most demanding conditions. This product is extraordinarily durable, built with anti-corrosion materials, ensuring exceptional longevity even in highly humid and aggressive environments like tunnels and underpasses.

The body and 5mm tempered glass with IK08 impact resistance provide reliable protection against possible impacts, ensuring long-term operational durability.

phEvoTUNNEL offers the option to install remote control systems and light intensity adjustment, allowing flexible control of lighting based on the specific needs of the application. This additional functionality enables optimization and management of energy resources, providing an advanced lighting solution for transportation environments and infrastructures.

With its robustness, durability, and advanced functionality, the phEvoTUNNEL projector is the ideal choice to ensure reliable and efficient lighting in critical environments.

## KEY FEATURES

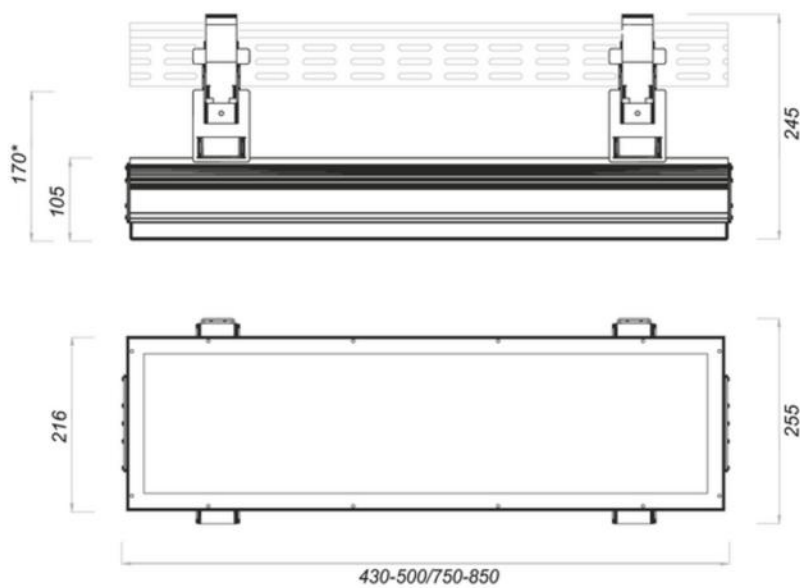
- Power range: 24W to 318W
- Luminous efficiency: Up to 155 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



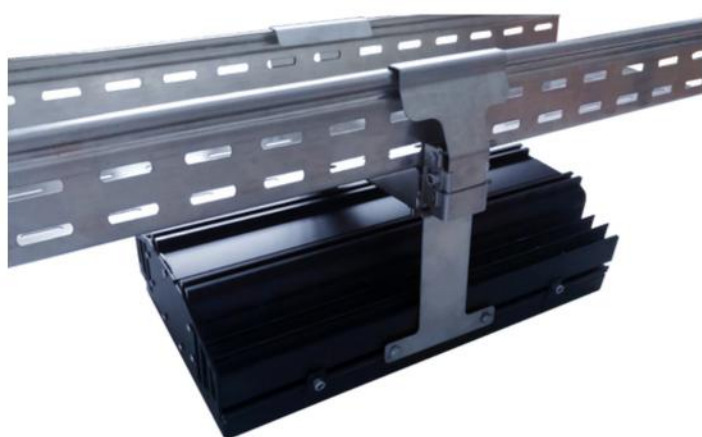
MAIN CHARACTERISTICS	
Applications	Tunnels, Underpasses, Industrial environment, etc
Material	Anodized extruded aluminum body, stainless steel AISI 403 brackets
Color	Anthracite. Powder coating with after phosphating treatment.
Product sizes	Refer to the technical datasheet
Exposed surface	Refer to the technical datasheet
Weight	Refer to the technical datasheet
Mounting	Suspended   Channel system
Security System	Stainless steel safety chain between projector and cable tray
Insulation Class	CL II   CL I (on request)
Protection degree	IP 66   IK 08
No. LEDs	from 12 to 192 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI ≥ 80 (on request)
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA Optics in high-performance optical grade POLYCARBONATE
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)



# TUNNEL lighting



DATA SHEET



# phEvoARGO

phEvoArgo is a tunnel lighting product. Designed to withstand smog, humidity, and sudden temperature changes over time, which are typical characteristics of tunnels.

The connection to the duct is made via a lever closure for quick coupling, facilitating assembly and disassembly operations, or with the possibility of customised coupling according to specific requirements.

To ensure uniform, glare-free lighting, phEvoArgo is equipped with high-efficiency modular PMMA optics with various light curves. Complete with a power line communication interface, it offers significant savings on management and maintenance costs.

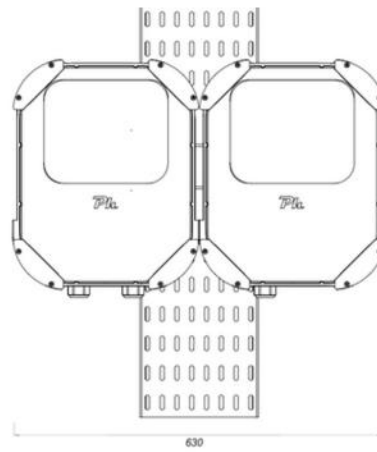
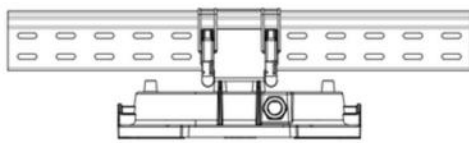
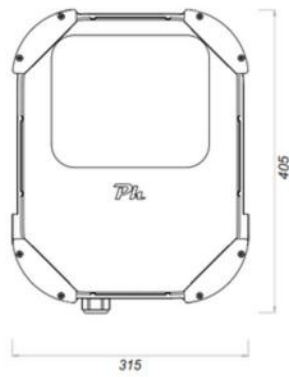
## KEY FEATURES

- Power range: 17W to 322W
- Luminous efficiency: Up to 153 lm/W
- LED lifetime >100,000 hours
- IK 09 on request
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)
- Customizable Channel Mounting



MAIN CHARACTERISTICS	
Applications	Tunnel, Underpasses, Subways
Material	High-pressure die cast aluminium UNI EN 46100
Color	Anthracite (optional RAL 7037). Epoxy powder coating after phosphating
Product sizes	315 x 405 x 75 mm (Single module) 630 x 405 x 75 mm (Double module)
Exposed surface	0,13 m <sup>2</sup> - 0,03 m <sup>2</sup> (Single module) 0,25 m <sup>2</sup> - 0,03 m <sup>2</sup> (Double module)
Weight	7.5 Kg
Mounting	Suspende   Channel system
Insulation Class	CL I   CL II (on request)
Protection degree	IP 66   IK08   IK09 (on request)
No. LEDs	from 8 to 36 LEDs (Single module) from 56 to 72 LEDs (Double module)
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 (on request)
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA Optics in high-performance optical grade POLYCARBONATE
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Test	Salt spray test environment (according to ASTM 117-1997); Neutral salt spray test (according to UNI ISO 9227);
Operating temperature	-40 / +50°C (depending on the driving current) -40 / +150°C (Test conducted for 15' at 150°C with less than 10% initial flux loss according to CEI 34-193:2022 standard for backup devices)

# TUNNEL lighting



# phEvoATLAS NEW PRODUCT

phEvoATLAS is a stainless steel flood light designed for tunnel lighting, engineered to ensure reliability, versatility, and compliance with the most stringent technical specifications.

Available in three versions A, B, and C it meets all permanent and reinforcement lighting needs, ensuring high performance in any application.

Version A provides uniform lighting for standard applications, while versions B and C, designed for more complex scenarios, include a stainless steel driver box that protects the electronic components and enhances durability, even in challenging environmental conditions.

Made entirely of stainless steel, phEvoATLAS ensures corrosion and weather resistance, making it ideal for demanding environments such as road and railway tunnels. Advanced optics ensure precise and customizable lighting, in line with the technical specifications required.

With its robust design and cutting-edge technologies, phEvoATLAS offers a complete solution for safely, efficiently, and compliantly lighting tunnels, providing the perfect blend of performance, quality, and reliability.

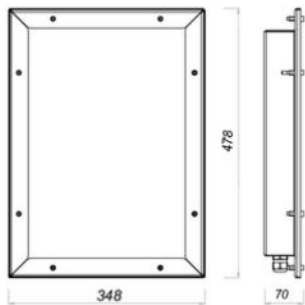
## KEY FEATURES

- Power Range: 17W to 337W
- Stainless Steel AISI 316L
- Luminous Efficiency: Up to 153 lm/W
- LED Lifetime: Over 100,000 Hours
- Compatible with Remote Control
- Photocell Options
- Optional Dimming
- Customizable Color Temperature (K)
- Customizable Channel Mounting

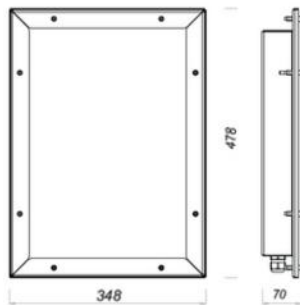


MAIN CHARACTERISTICS	
Applications	Tunnels, Underpasses, Subways, Industrial Sites, etc.
Material	Stainless Steel AISI 316L
Glass type	Tempered Glass, 5mm thickness
Safety system	Stainless steel safety chain between floodlight and cable tray.
Product sizes	348 x 478 x 70 mm (phEvoATLAS-A version) 348 x 478 x 70 mm (phEvoATLAS-B version) 348 x 508 x 110 mm (phEvoATLAS-C version) Auxiliary driver box: 328 x 378 x 70 mm (for phEvoATLAS-B-C versions)
Exposed surface	Windage: 0.16 m <sup>2</sup> - 0.03 m <sup>2</sup> (phEvoATLAS-A version) Windage: 0.16 m <sup>2</sup> - 0.03 m <sup>2</sup> (phEvoATLAS-B version) Windage: 0.18 m <sup>2</sup> - 0.06 m <sup>2</sup> (phEvoATLAS-C version) Auxiliary driver box windage: 0.16 m <sup>2</sup> - 0.03 m <sup>2</sup> (per versioni phEvoATLAS-B-C)
Weight	10.5 kg (phEvoATLAS-A version) 11.5 kg (phEvoATLAS-B version) 12 kg (phEvoATLAS-C version) Auxiliary driver box: 9 kg (for phEvoATLAS-B-C versions)
Mounting	Suspension or on cable tray
Insulation Class	CL II
Protection degree	IP 66   IK08
No. LEDs	from 8 to 36 LEDs phEvoATLAS-A   from 24 to 72 LEDs phEvoATLAS-B   from 56 to 72 LEDs phEvoATLAS-C
LED Efficacy	201 lm/W - CRI 80 - @ 360 mA, T = 25 °C
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA   Optics in POLYCARBONATE on request
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	Programmabilità dei driver in loco tramite APP con tecnologia NFC
Dimming (options)	1-10V (radio/conducted waves) or DALI wired inside the product
Operating temperature	-40 / +45°C (depending on the driving current)

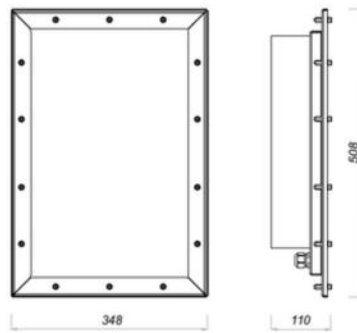
# TUNNEL lighting



phEvoATLAS-A



phEvoATLAS-B



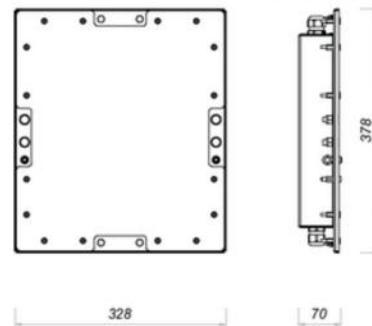
phEvoATLAS-C



DATA SHEET



DRIVER BOX:  
FOR VERSIONS: phEvoATLAS-B  
phEvoATLAS-C



phEvoATLAS-A



phEvoATLAS-B



phEvoATLAS-C

# CarLed

Introducing CarLed, an innovation in road safety. This product is specifically designed for safety lighting and signaling in tunnels, underpasses, roads, subways, railways, and similar applications.

Crafted with a corrosion-resistant anodized aluminum profile, the protective screen is made of extruded self-extinguishing polycarbonate with an extremely high degree of resistance and protection against high temperatures, ensuring durability and reliability in demanding environments.

Compliant with the most important reference standards for electrical installations in tunnels and for additional thermal protections.

One of CarLEDs strengths is its seamless installation over considerable distances, providing extended coverage for enhanced safety and visibility.

This innovative lighting solution combines versatility with high-quality construction, making it an ideal choice for various road and transportation scenarios.

Experience the future of road safety with CarLed, where hi-tech and robust materials come together to illuminate and protect various infrastructure environments.

## KEY FEATURES

- Power: MAX 1.8W/meter  
MAX 2.2W/meter
- Color Temperature options
- Various mounting options
- Continuous installation over large areas
- Fire rated material
- CEI 64-20: Electrical installations in road tunnels
- CEI 34-193: Additional thermal performance

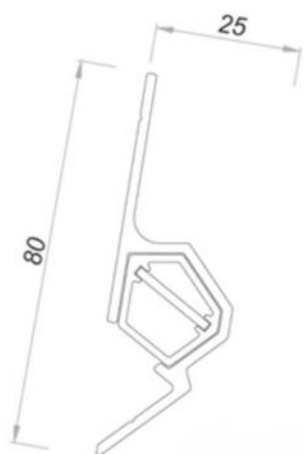


MAIN CHARACTERISTICS		
Applications	Security or emergency light for roads tunnels, subways, etc.	
Material	Anodized aluminum body	
Compliant with regulations	CEI 64-20: Electrical systems in road tunnels CEI 34-193: Tunnel lighting with additional thermal performance (For all standards, please refer to the technical data sheet)	
Protective screen	Extruded self-extinguishing polycarbonate	
Color	Black or RAL upon request	
Product sizes	3000mm (o custom) x 80mm x 25mm - Recessed mounting 3000mm (o custom) x 97mm x 27mm - Wall mounting 1 3000mm (o custom) x 170mm x 32mm - Wall mounting 2	
Weight	max 4 Kg	
Mounting	Recessed mounting   Wall mounting	
Insulation Class	CL III (SELV)	
Protection degree	IP 65   IK07	
No. LEDs	10 LEDs at 6V	14 LEDs at 3V
LED Efficacy	59 lm/W - @ 150 mA, T = 25 °C	74lm/W - @ 150 mA, T = 25 °C
Color temperature	Yellow/Amber	White (4000K)
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21	≥ 100.000hr L90B10 LM 80, TM-21
Operating voltages	48 VDC	48 VDC
Power range	MAX 1.8W/meter	MAX 2.2W/meter
Driver	Installed in the electrical panel	
Power factor driver	Cosφ ≥ 0.98 (at full load)	
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA	
Programming (options)	On-site driver reprogramming through NFC and related app.	
Operating temperature	-40 / +100 °C (Depending on the driving current)	

# TUNNEL lighting



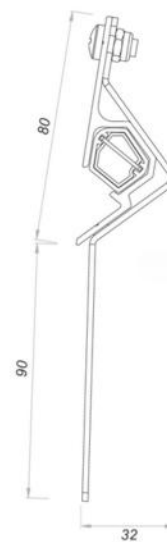
DATA SHEET



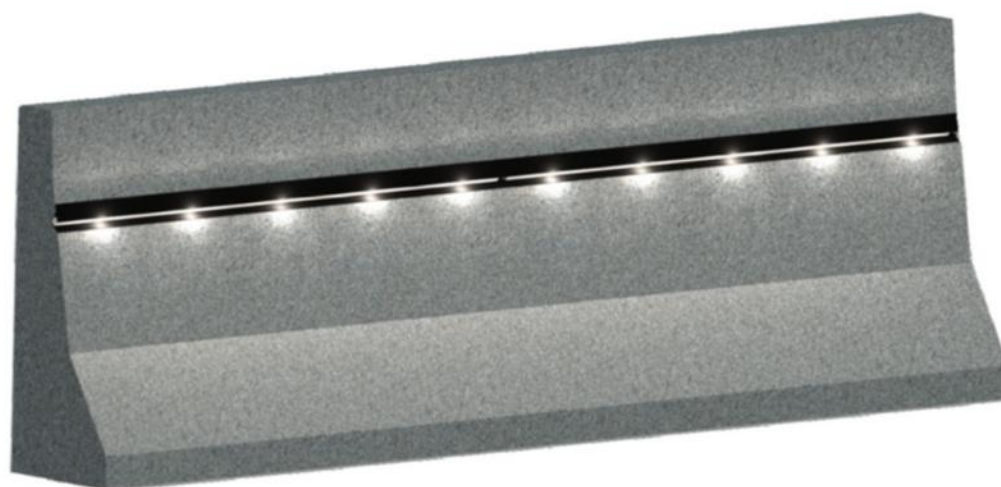
Montaggio a incasso



Montaggio a parete 1



Montaggio a parete 2



# BladeWaterLed

LED lighting device for safety and signaling illumination for water blades in environments such as tunnels, underpasses, roads, subways, railways, this device offers a comprehensive lighting solution in critical environments.

The LED lighting device is designed to ensure reliable and long-lasting illumination in a wide range of environments and scenarios. Thanks to its profile in extruded anodized aluminum, it is able to withstand corrosion even in adverse environmental conditions, ensuring optimal performance over time. The two-component resin that protects the LED module not only serves as an optical screen to ensure uniform light distribution but also provides robust protection against weathering and impacts, ensuring long-term operational durability.

With an IP66 protection rating, this device is able to withstand the ingress of dust and water, ensuring reliable operation even in the most challenging conditions.

## KEY FEATURES

- Power range: MAX 6W/meter
- Luminous efficiency up to 61 lm/W
- Critical environments and safety
- Fire rated materials



MAIN CHARACTERISTICS	
Applications	Emergency lighting or signaling for tunnel water blade in case of emergency
Material	Body in extruded anodized aluminum.
Protective screen	Bicomponent resin sealing.
Color	Grey. Epoxy powder coating with prior phosphating treatment and anticorrosion technology.
Product sizes	1800mm x 32mm x 17mm 3000mm x 32mm x 17mm
Weight	Max 1.5 Kg (1800mm) Max 3.0 Kg (3000mm)
Mounting	Suspension   Ceiling   Wall
Insulation Class	CL III (SELV)
Protection degree	IP 66
No. LEDs	144 LED dim. 1800mm 240 LED dim. 3000mm
LED Efficacy	61 lm/W - @ 150 mA, T = 25 °C
Color temperature	Emergency colors
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Power range	MAX 6W /meter
Operating voltages	MAX 48 VDC
Driver	Installed in the electrical panel
Power factor driver	Cosφ ≥ 0.9 (at full load)
Operating temperature	-40 / +100 °C (Depending on the driving current)

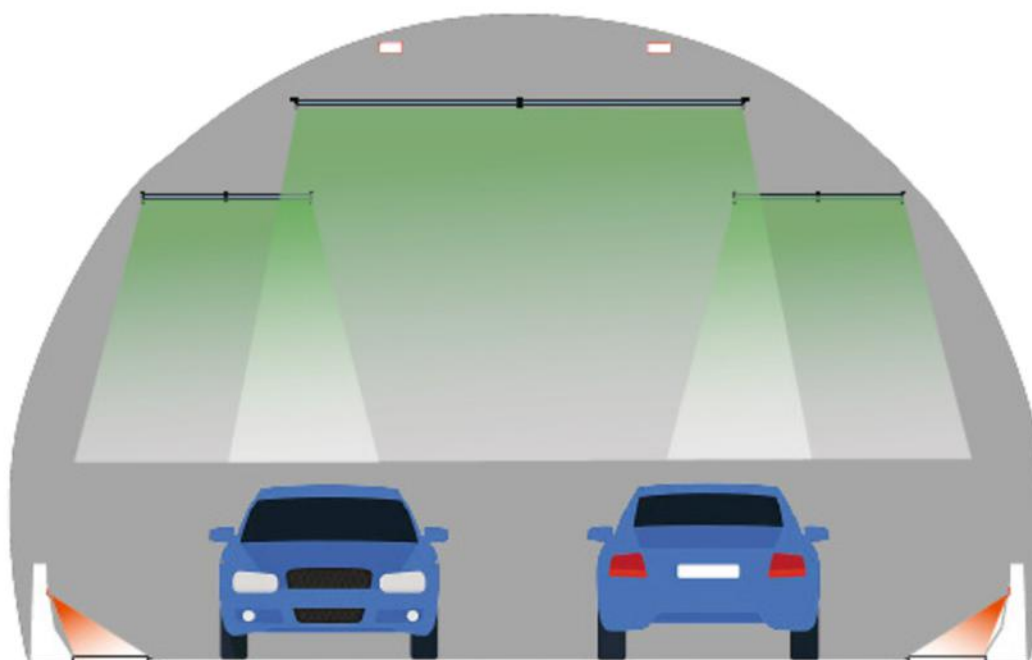
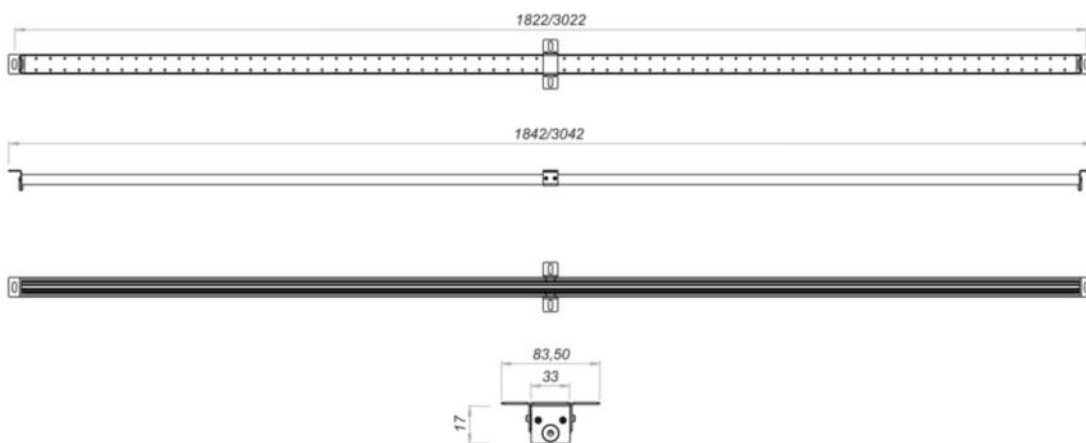




# TUNNEL lighting



DATA SHEET



# ByPassLed

The ByPassLed devices are specifically designed for safety and emergency exit signaling purposes in various environments such as tunnels, underpasses, industrial areas, roads, subways, and railways.

The complete system consists of two lateral light bars and one top bar installed on the fire door.

These devices feature a sturdy profile made of extruded polycarbonate and are housed inside a corrosion-resistant stainless steel case for wall mounting, closed on both sides with caps for added protection.

The LED modules are protected by a self-extinguishing polycarbonate screen capable of withstanding fires for long-lasting durability and serve as both an optical screen and protection.

With an IP65 protection rating and Class III insulation, these devices ensure durability and resistance to adverse environmental conditions.

The power supply operates at a continuous voltage of 24/48VDC and is mounted in the zone panel, ensuring easy access and maintenance.

## KEY FEATURES

- **Power: MAX 5W/meter**
- **Luminous efficiency: Up to 61 lm/W**
- **Critical and safety environments**
- **Customizable profile color**
- **Fire-rated material**

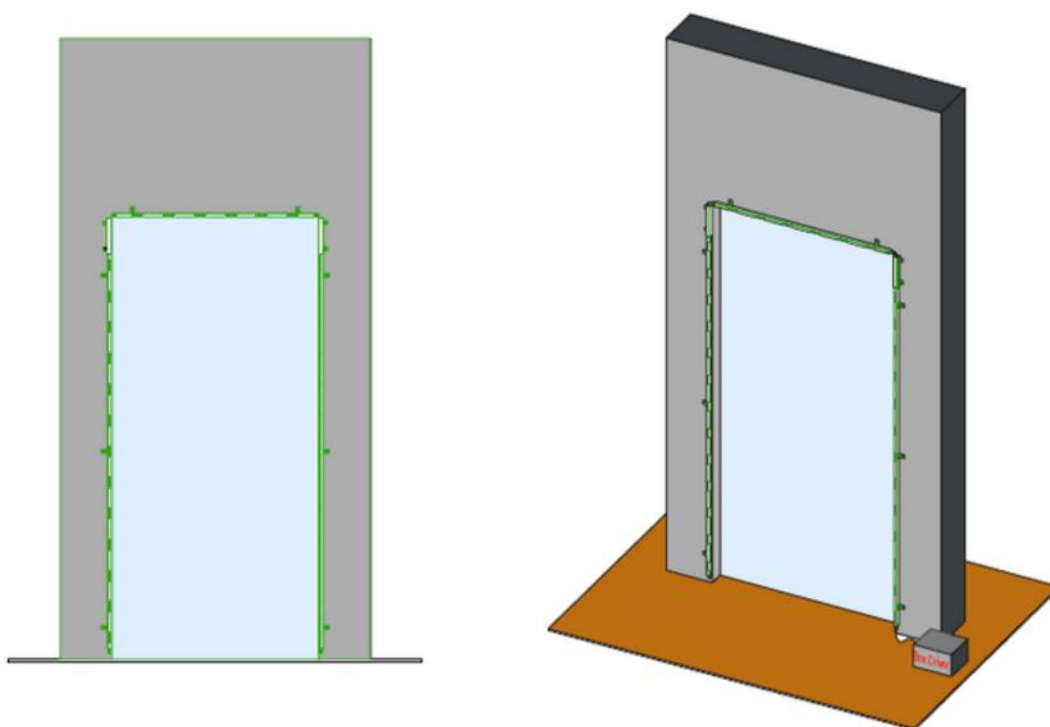
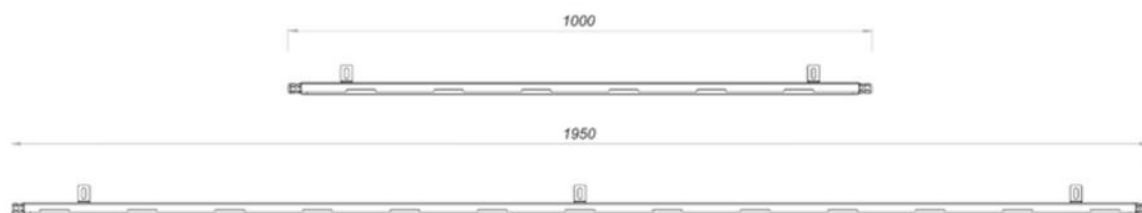


MAIN CHARACTERISTICS	
Applications	Emergency lighting or signaling for tunnel bypass doors
Material	Stainless steel body.
Protective screen	Extruded self-extinguishing polycarbonate
Color	Customizable. Epoxy powder coating with anti-corrosion technology
Product sizes	1000mm x 24mm x 20mm 1950mm x 24mm x 20mm
Weight	MAX 1.0 Kg (1000mm) MAX 2.0 Kg (1950mm)
Mounting	Ceiling   Wall
Insulation Class	CL III (SELV)
Protection degree	IP 65
No. LEDs	16 LEDs size 1000mm 32 LEDs size 3000mm
LED Efficacy	61 lm/W - @ 150 mA, T = 25 °C
Color temperature	Green
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Operating voltages	MAX 48 VDC
Power range	MAX 5W/meter
Driver	Installed in the electrical panel
Power factor driver	Cosφ ≥ 0.9 (at full load)
Operating temperature	-40 / +100 °C (Depending on the driving current)

# TUNNEL lighting



DATA SHEET







# LINEAR lighting

# phLUMINA**FIT** NEW PRODUCT

phLuminaFIT is the ideal solution for linear indoor lighting, designed to deliver efficiency and versatility across a wide range of applications. Perfect for supermarkets, corridors, transit areas, and commercial spaces, this fixture stands out for its modern and functional design.

Thanks to its slim, modular structure, phLuminaFIT offers uniform, glare-free lighting, enhancing visual comfort and adding value to any environment. Its advanced optics and high-efficiency LED sources ensure reduced energy consumption without compromising luminous performance.

Easy to install and maintain, phLuminaFIT is available in various lengths and configurations to perfectly match any project requirement.

The high-quality materials and refined finishes ensure long-lasting durability and an elegant aesthetic, making it ideal for modern indoor environments.

With phLuminaFIT, lighting becomes a key element to improve the functionality and atmosphere of spaces, combining efficiency, design, and reliability in one innovative solution

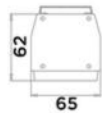
## KEY FEATURES

- Power from 17W to 63W
- Luminous efficiency up to 140 lm/W
- LED lifetime >65,000 hours
- CRI >80
- Optional dimming
- Customizable color temperature (K)

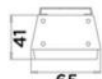


MAIN CHARACTERISTICS	
Applications	Linear indoor lighting, supermarkets, corridors, transit areas
Material	Pressed and bent sheet aluminum body / PMMA optics
Color	White   RAL on request. Powder epoxy coating after phosphating
Product sizes	578 - 864 - 1150 1436 mm X 65mm X 62mm 578 - 864 - 1150 1436 mm X 65mm X 41mm (flat version)
Weight	< 3 Kg
Mounting	Suspension
Insulation Class	CL II   CL I on request
Protection degree	IP 20
No. LEDs	66 for phLuminaFIT60   99 for phLuminaFIT90   132 for phLuminaFIT120   165 for phLuminaFIT150
LED Efficacy	208 lm/W - CRI 80 - @ 60 mA, Tj = 25 °C   CRI≥90 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 65.000hr L90B10 LM 80, TM-21
Optics	Rotosymmetric optics in PMMA with high optical efficiency and low luminance
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Control system (options)	Optional control system
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

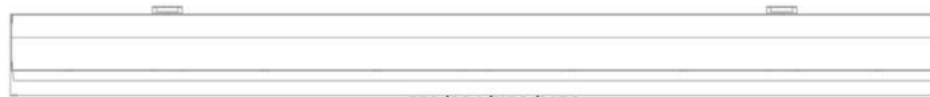
# LINEAR lighting



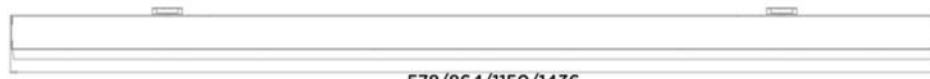
65



65



578/864/1150/1436



578/864/1150/1436



DATA SHEET



# Vega NEW PRODUCT

Vega is the innovative linear lighting solution specifically designed to meet the needs of railway stations, ensuring excellent performance and reliability in demanding environments. Its versatility also makes it ideal for underpasses, metro stations, and other public spaces requiring continuous and safe lighting.

Operating on direct current up to 48 V DC, Vega ensures stable and efficient performance, making it perfect for infrastructures where safety and energy savings are critical. The robust and durable structure is designed to withstand challenging environmental conditions, guaranteeing long-lasting operation without compromising light quality.

Vega's precision linear optics provide uniform, glare-free illumination, enhancing visibility and visual comfort in high-traffic areas. Its flexible installation capabilities make it suitable for various configurations, allowing seamless integration into complex architectural settings.

## KEY FEATURES

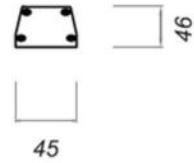
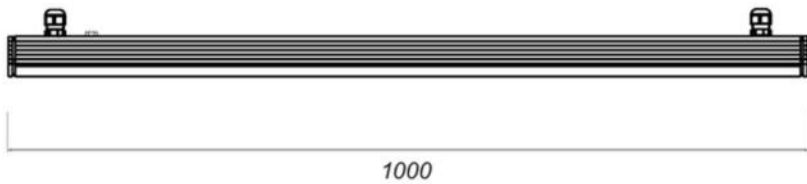
- **Power Range: 11W to 33W**
- **Luminous Efficiency: Up to 120 lm/W**
- **LED Lifetime: >100,000 hours**
- **Class III (SELV)**
- **Color Temperature (K): Customizable**



MAIN CHARACTERISTICS	
Applications	Linear Lighting for Underpasses, Subways, Railways
Material	Die-cast aluminum body / Impact-resistant tempered glass
Color	Black   RAL on request. Powder epoxy coating after phosphating
Product sizes	1000x45x46 mm
Exposed surface	Windage: 0.045 m <sup>2</sup> - 0.046 m <sup>2</sup>
Weight	3.0 kg (ceiling-mounted version) 3.5 kg (recessed version)
Mounting	Ceiling-mounted   Recessed
Insulation Class	CL III (SELV)
Protection degree	IP 66   IK07   IK08 on request
No. LEDs	84, 168, 252 LEDs
LED Efficacy	205 lm/W - CRI 70 - @ 65 mA, T = 25 °C   CRI≥80 su richiesta
Color temperature	2700K - 727/669   4000K - 740/669   5700K - 757/669   Other (K) on request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA
Operating voltages and frequencies	Max 48 VDC
Power factor	Installed in the designated compartment
Surge protection (DM/CM)	Cosφ ≥ 0.98 (at full load)
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver programmability via APP with NFC technology
Dimming (options)	Optional module for seasonal, weekly, and daily dimming
Operating temperature	-20°/+45°C (Depending on the driving current)



# LINEAR lighting



# Pegaso

Pegaso is a versatile lighting solution designed for various applications, including tunnels, metro stations, industrial environments, and railways.

Precision-crafted by Phaenomena, Pegaso offers adaptability and efficiency, making it suitable for diverse lighting needs. Its design and power capabilities make it an ideal choice for spaces where versatility and a compact profile are essential.

Pegaso offers the option to install remote control systems and light intensity adjustment, allowing flexible lighting control based on specific application needs. This additional functionality enables optimization and management of energy resources, providing an advanced lighting solution for transportation environments and infrastructure.

Whether illuminating tunnels, metro stations, or industrial facilities, Pegaso offers reliable and efficient lighting, ensuring high performance and long operational life.

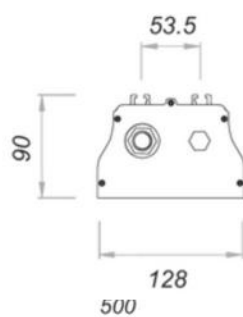
## KEY FEATURES

- Power range: 24W to 53W
- Luminous efficiency: Up to 155 lm/W
- LED lifetime >100,000 hours
- Smart City compatible
- Photocell options
- Optional dimming
- Customizable color temperature (k)



MAIN CHARACTERISTICS	
Applications	Tunnel, Subway, Metro station, industrial environment, etc
Material	Extruded anodized aluminum body / Tempered glass resistant to impacts
Color	Black or RAL on request. Powder coating after phosphating
Product sizes	500mm X 128mm X 90mm
Exposed surface	Windage: 0.064 m <sup>2</sup> - 0.045 m <sup>2</sup>
Weight	max 4,5 Kg
Mounting	Refer to the technical data sheet
Insulation Class	CL II   CL I on request
Protection degree	IP 66   IK07   IK08 on request
No. LEDs	from 6 to 24 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80 on request
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Altre (K) disponibili su richiesta
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA Optics in high-performance optical grade POLYCARBONATE Optics in high-performance optical grade SILICONE High-performance optical REFLECTION street optics
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Surge protection (DM/CM)	6/10 kV   SPD (optional) 8kV / 10kV   SPD (optional) with higher capacity
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# LINEAR lighting



DATA SHEET







# INDOOR/INDUSTRIAL lighting

# phLUMINAOFFICE

phLuminaOFFICE is the interior lighting solution designed for offices, schools, commercial premises, and similar indoor environments.

Characterized by a structure made of extruded and press-bent aluminum sheet, coated with epoxy powder paint, phLuminaOFFICE offers a sophisticated and functional lighting solution for indoor spaces.

Available in recessed and ceiling-mounted versions, it perfectly adapts to various usage needs. The rotosymmetric optics made of high-performance optical PMMA with low luminance are specifically designed for work environments, creating a comfortable visual atmosphere and reducing eye fatigue.

The adjustable luminous flux allows for personalized control of the lighting, with the possibility to adapt it to the specific requirements of the workspace. Thanks to the long-lasting LED technology, phLuminaOFFICE minimizes the need for maintenance and replacement, ensuring significant long-term cost savings.

phLuminaOFFICE creates a well-lit, efficient, and low-impact environment to enhance well-being and productivity.

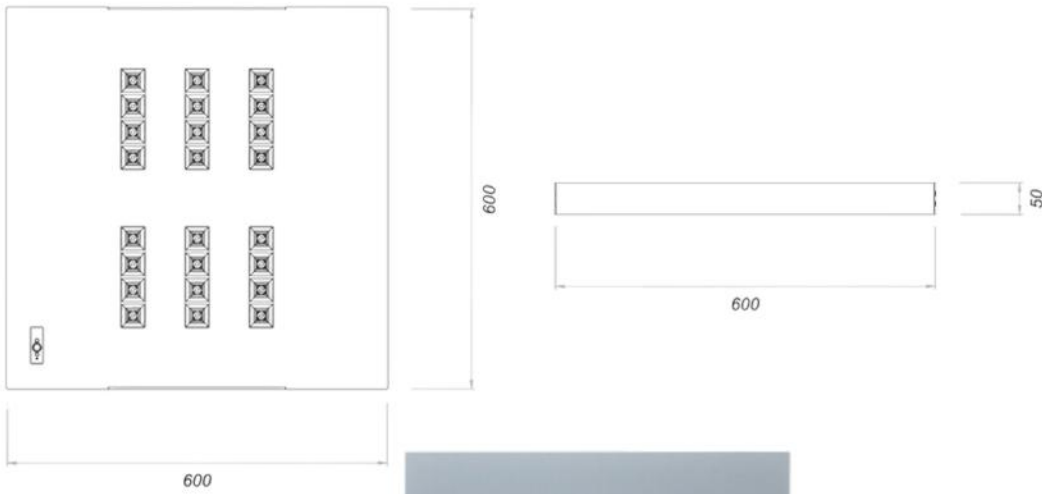
## KEY FEATURES

- Power range: 9.5W to 36W
- Luminous efficiency: Up to 155 lm/W
- LED lifetime >100,000 hours
- Low-glare optics
- Customizable color temperature (k)
- CRI≥80 | CRI≥90 option



MAIN CHARACTERISTICS	
Applications	Indoor lighting, Schools, Offices, Clinics, Workspaces, etc.
Material	Pressed and bent sheet aluminum body
Color	White   Gray. Powder epoxy coating after phosphating
Product sizes	595 x 595 x 37 mm - Recessed version 600 x 600 x 50mm - Surface-mounted version
Weight	3.5 Kg (Recessed version) 4.0 Kg (Surface-mounted version)
Mounting	Recessed   Surface-mounted
Insulation Class	CL II   CL I on request
Protection degree	IP 20
No. LEDs	96 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80   CRI≥90 (on request)
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 60.000hr L90B10 LM 80, TM-21
Optics	Rotosymmetric optics in PMMA with high optical efficiency and low luminance
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Control system (options)	Optional control system
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)

# INDOOR lighting



DATA SHEET



# phFRAME

phFRAME is an indoor lighting solution, ideal for offices, schools, and commercial spaces. This innovative lighting system is distinguished by its discretion and near-invisibility, thanks to its integrated design that makes it blend seamlessly with the ceiling panel.

phFRAME provides uniform and pleasant light, enhancing the work environment without causing distraction or disturbance. With a Colour Rendering Index (CRI) of over 80, it ensures natural and vivid colours, contributing to a visually comfortable and productive environment.

Its simple installation and minimalist design make it a perfect choice for those seeking effective and unobtrusive lighting. Ideal for spaces where aesthetics and functionality are key, phFRAME represents the ideal solution for creating bright and comfortable environments.

## KEY FEATURES

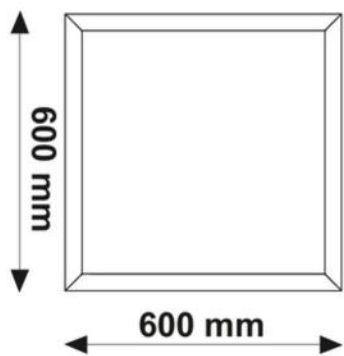
- Power: 40W
- Luminous efficiency: 125 lm/W
- CRI: > 80
- Beam angle: 120°
- Customisable colour (k) temperature



MAIN CHARACTERISTICS	
Applications	Indoor lighting, Schools, Offices, Clinics, Workspaces, etc.
Material	Pressed and bent sheet aluminum body   Polycarbonate
Color	White
Product sizes	600 x 600 x 15mm
Weight	1.6 Kg
Mounting	Surface-mounted
Insulation Class	CL I   CL II
Protection degree	IP 20   IK08
Colour Rendering Index	CRI ≥ 80
Colour temperature LED	3000K   4000K   6500K
Beam angle	120°
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.95 (at full load)
Control system (options)	ON-OFF, DALI 1, DALI 2
Operating temperature	-40 / +55 °C (Depending on the driving current)



# INDOOR lighting



DATA SHEET



# phURSAminor

This fixed recessed spotlight combines a minimalist design with exceptional performance, ensuring uniform and efficient illumination.

With a Colour Rendering Index (CRI) greater than 80, phURSAminor provides vivid and natural colour reproduction, ideal for creating welcoming atmospheres in any environment.

Constructed from high-quality materials, this spotlight not only offers bright and clear light but is also designed for durability, making it the perfect choice for those seeking both style and functionality in one product.

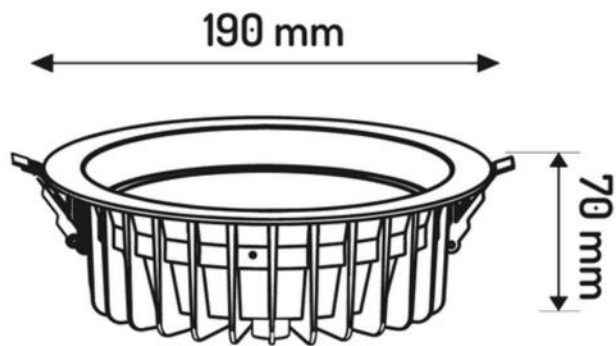
## KEY FEATURES

- Power: 9W to 30W
- Luminous efficiency up to 155 lm/W
- Flicker-free
- Customisable colour (k) temperature



MAIN CHARACTERISTICS	
Applications	Indoor lighting, commercial, residential
Material	Aluminium/Polycarbonate
Color	White
Product sizes	190 x 70mm
Weight	1,8 Kg
Mounting	Recessed
Insulation Class	CL II   CL I (on request)
Protection degree	IP 40   IK 07
Colour temperature LED	3000K   4000K   6000K
LED life time	60,000 hr LED module current 600 mA (Ta25°C)
Optics	Optics in high-performance polycarbonate
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.95 (at full load)
Control system (options)	0-10, DALI, DALI 2, NFC
Colour Rendering Index	≥ 80
Operating temperature	-20 / +50 °C
UGR	<19

# INDOOR lighting



# phLUMINAT

The phLuminaT ceiling lights are ideal for industrial lighting and other applications where high light output is crucial.

The single-piece co-extruded polycarbonate body offers high mechanical resistance and is protected from UV rays thanks to JEDEX co-extrusion. The interior of the fixture features an aluminium reflector that also serves as a heat sink.

The end caps are made from moulded polycarbonate, and the mounting system is suspended, ensuring easy installation. The LED light source provides direct emission, ensuring efficient lighting with no flicker effect, thereby safeguarding user eye comfort.

The phLuminaT is available with electronic CAE power supply and, upon request, can be supplied in a dimmable DALI version with a PUSH DIM function option.

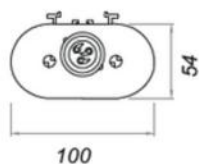
## KEY FEATURES

- Power range: from 16W to 58W
- Luminous efficiency up to 150 lm/W
- LED lifespan >65,000 hours
- Optional dimming
- Flicker-free



MAIN CHARACTERISTICS	
Applications	Indoor and outdoor lighting, industrial, warehouse, etc.
Material	Polycarbonate
Color	White
Product sizes	645/1190/1595 x 100mm x 54 mm
Weight	1.6 Kg (Small version) 2.5 Kg (Medium version) 3.5 Kg (Large version)
Mounting	Suspended
Insulation Class	CL I   CL II <i>on request</i>
Protection degree	IP 66   IK09
No LED's	72: phLuminaT600, 144: phLuminaT600+ e phLuminaT1200, 272: phLuminaT1500, 288: phLuminaT1200+, 544: phLuminaT1500+
LED efficiency	208 lm/W - CRI 70 - @ 60 mA, Tj = 25 °C
Colour temperature LED	2700K - 727/669   4000K - 740/669   5700K - 757/669   Other colour temperatures (K) available on request
LED life time	≥ 65.000hr
Optics	3X11 PMMA
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.95 (at full load)
Dimming	0-100%, 0-10V signal, PWM, DALI
Operating temperature	-40 / +55 °C (Depending on the driving current)

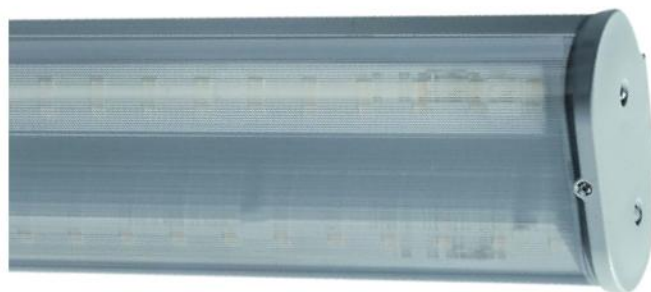
# INDOOR/INDUSTRIAL lighting



DATA SHEET



645/1190/1565



# Dorado

The Dorado High Bay lights are ideal for industrial lighting and other applications where a high level of light is essential.

The high luminous efficacy of the High Bay lights, at 190 lm/W, allows for the use of lower wattage variants where previously higher wattage lights were installed.

They are available in two power options: 150W and 200W, and offer two different light distribution angles, adjustable via lens: 90° and 120°.

The absence of flicker ensures user eye safety. Additionally, the Dorado series, unlike other lights in the High Bay product class, can be used in work environments where conductive dust accumulation is expected.

## KEY FEATURES

- Power: 150W - 200W
- Luminous efficacy: 190 lm/W
- LED lifespan: >100,000 hours
- Dimming: 1-10V
- Flicker-free
- 5000 ON/OFF cycles

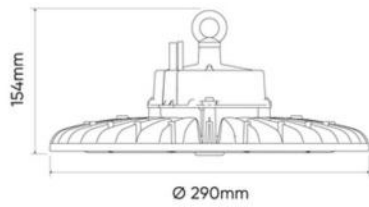


MAIN CHARACTERISTICS	
Applications	Indoor industrial lighting, warehouse, etc
Material	Die-cast aluminium body   Optical assembly in Polycarbonate
Color	Black. Epoxy powder coating after phosphating
Product sizes	ø290x154 Dorado M   ø330x156 Dorado L
Weight	2,6 Kg (Version M)   3,4 Kg (Version L)
Mounting	Suspended
Insulation Class	CL I
Protection degree	IP 65   IK 09
No LED's	480 LED (Version M)   640 LED (Version L)
Luminous efficiency	190 lm/W - CRI ≥ 70
Step McAdam	< 4
LED colour temperature	4000K - 740/669
LED life time	≥ 100.000hr L70B50
Optics	High-performance polycarbonate optical grade, lens, 90°   120° on request
Operating voltages and frequencies	100-277 V~ 50/60 Hz
Power factory	Cosφ ≥ 0.95 (at full load)
Dimming	0-10V signal
Operating temperature	-30 / +45 °C (Depending on the driving current)

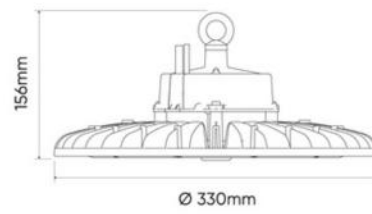
# INDOOR/INDUSTRIAL lighting



Version M



Version L



DATA SHEET



# phEvoINDUSTRIA

phEvoINDUSTRIA, a robust and versatile lighting solution designed for large indoor spaces such as factories, industries, warehouses, transit areas, and similar environments.

Assembled with high-quality materials, phEvoINDUSTRIA is designed to deliver reliable performance in industrial environments and critical conditions. This product is exceptionally durable, built with materials resistant to mechanical impacts and corrosion to ensure exceptional longevity, even in extreme environments such as factories and warehouses. The 5mm tempered glass with IK08 impact resistance provides reliable protection against potential impacts, ensuring prolonged operational life.

phEvoINDUSTRIA offers the option to install remote control systems and light intensity adjustment, allowing flexible control tailored to specific needs. This additional feature optimizes energy efficiency and resource management, offering an advanced lighting solution for large-scale indoor environments.

With its strength, durability, and advanced functionality, phEvoINDUSTRIA is the optimal choice to ensure reliable and efficient lighting in large and demanding industrial spaces.

## KEY FEATURES

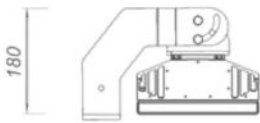
- **Power range: 27W to 318W**
- **Luminous efficiency: Up to 155 lm/W**
- **LED lifetime >100,000 hours**
- **Low-glare optics**
- **Customizable color temperature (k)**
- **CRI≥80 | CRI≥90 option**



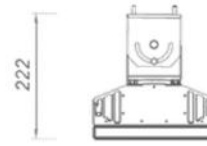
MAIN CHARACTERISTICS	
Applications	Industrial and Factories environments, Warehouses, Transit Areas
Material	Body in anodized extruded aluminum, brackets in stainless steel AISI 403
Color	Black (RAL 9005)   Grey (RAL 9007). Polyester powder coating with prior phosphating
Product sizes	Available in various models. See technical datasheet for details
Exposed surface	Available in various models. See technical datasheet for details
Weight	Available in various models. See technical datasheet for details
Mounting	Suspension   Wall   Pole
Insulation Class	CL II   CL I on request
Protection degree	IP 66   IK 08
No. LEDs	from 12 to 144 LEDs
LED Efficacy	201 lm/W - CRI ≥ 70 - @ 360 mA, T = 25 °C   CRI≥80   CRI≥90 (on request)
Color temperature	3000K - 730/669   4000K - 740/669   5700K - 757/669   Other (K) available upon request
LED lifetime	≥ 100.000hr L90B10 LM 80, TM-21
Optics	Optics in high-performance optical grade PMMA Optics in high-performance optical grade POLYCARBONATE Optics in high-performance optical grade REFLECTION
Operating voltages and frequencies	220-240 V~ 50/60 Hz
Power factor	Cosφ ≥ 0.98 (at full load)
Control system (options)	0-100%, 0-10V signal, PWM, DALI, AstroDIM, MainsDIM, Wireless, NEMA, ZHAGA
Programming (options)	On-site driver reprogramming through NFC and related app.
Dimming (options)	Optional module for seasonal, weekly, and daily dimming.
Operating temperature	-40 / +55 °C (Depending on the driving current)



# INDOOR/INDUSTRIAL lighting



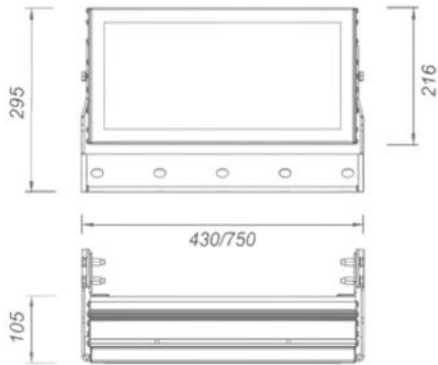
Pole/Wall mounting



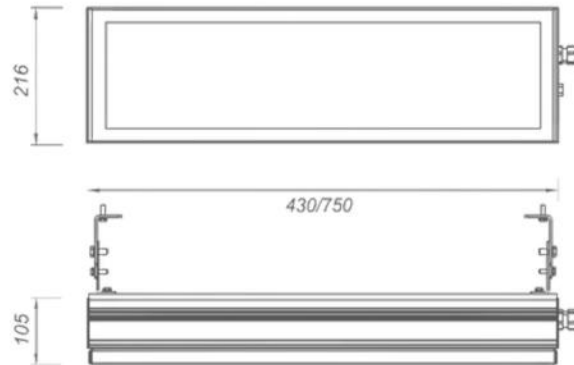
Suspension mounting



DATA SHEET



Glass version



IP OPTICS version





# EMERGENCY lighting

# phEME

This fixture features a painted polycarbonate (PC) structure with dimensions of 335 x 135 x 77 mm.

It includes one or more LED circuits and offers a high protection rating of IP65, with a high-resilience polyurethane gasket.

The low maintenance design is due to the LEDs having a lifespan exceeding 50,000 hours.

It has an insulation class of II and operates on 210-250 VAC at 50/60 Hz.

The total weight is 0.8 kg, and it is CE certified. The luminous efficiency of the fixture is up to 650 lumens.



DATA SHEET

# phEMEss

This sign features a painted polycarbonate (PC) structure with dimensions of 250 x 194 x 29 mm.

It includes one or more LED circuits and offers low maintenance due to the LEDs having a lifespan exceeding 50,000 hours.

The protection rating is IP20, and it has an insulation class of II.

The operating voltage is 210-250 VAC at 50/60 Hz, and the total weight is 0.8 kg. It is CE certified.



DATA SHEET

# phLYRA

This downlight features a painted polycarbonate (PC) structure with dimensions of 90 x 90 x 13 mm.

It includes one or more LED circuits with optical efficiency greater than 90%, complemented by a mask to reduce UGR (Unified Glare Rating).

The light colour ranges from 3000K to 6500K, and the colour rendering index (CRI) is over 80.

It offers low maintenance due to the LEDs having a lifespan exceeding 50,000 hours.

The protection rating is IP20, and it has an insulation class of II.

The operating voltage is 210-250 VAC at 50/60 Hz, and the total weight is 0.8 kg. It is CE certified, with an energy performance rating of  $\geq A++$ , and a luminous efficiency of up to 338 lumens.



DATA SHEET

To stay informed about our latest developments, upcoming products, and to explore our complete product range, we encourage you to visit our website and follow our social media.



[www.phaenomena.it](http://www.phaenomena.it)



Phaenomena S.p.A.



phaenomenaspa

SCAN  
ME FOR  
MORE  
INFO





## **DISCLOSURE**

In order to encourage constant updating of products, Phaenomena S.p.A. reserves the right to make changes or updates without any prior notice.

The product features listed are subject to changes and will be confirmed at the time of quotations or orders.

Graphics, content, and layout of all pages are the exclusive property of the company and their respective authors.

Reproduction, even in part and by any means, of the texts or material is prohibited without prior written permission.

All registered trademarks shown on these pages are the property of their respective owners. These trademarks are mentioned for informational purposes only, and the company has no rights over them.





Phaenomena S.p.A.  
Via XX Settembre, snc  
84033 Montesano S/M  
Salerno - Italy  
Tel: +39 0975 863406  
info@phaenomena.it

[www.phaenomena.it](http://www.phaenomena.it)

SCAN  
FOR  
MORE  
INFO

