

Main Characteristics

Applications	Tunnel lighting, underpasses, industrial, road, subway, railway
Color	Black or RAL on request
Material	Dissipating body in anodized extruded aluminium
Protective shield	Hardened glass resistant to impact
Dimension	500mm x 128mm x 90mm
Weight	max 4.5 Kg
Exposed surface	front. 0.064 m ² - lat. 0.045 m ²
Protection degree	IP 66 IK07
Insulation class	II
Mounting	Suspension, cable tray mounting etc.
IPEA	≥ A++ (C.A.M.)
N° LED	From 16 to 24 LED
LED Efficacy⁽¹⁾	208 lm/W - CRI 72 - @ 360 mA, T _j = 25 °C
Colour temperature	3000K - 730/669 4000K - 740/669 5700K - 757/669
Optics	Type 2x2 made of PMMA/PC silicone or reflection
Optical unit lifetime⁽²⁾	≥ 100.000hr
Rated voltage	220-240 V~ 50/60 Hz
Surge protection (dif/com)	8/10 kV
Operating temperature	-40 / +35°C



DESCRIPTION

LED lighting fixture used for tunnels, underpasses, industrial, road, metro, and railway applications. The housing is made of a perforated extruded anodized aluminum heat sink, closed on both sides with powder-coated caps or AISI 304 stainless steel caps. The LED module is protected by a tempered glass resistant to impact IK07 and with IP66 protection rating. The directional optics with symmetric, asymmetric, rotosymmetric, or 2x2 reflection photometric solid, made of PMMA/PC, silicone, or aluminum, are guaranteed against UV rays and yellowing. The projector is protected by a surge protection device up to 10kV. The lamp body is in Class II insulation. Internal wiring and connections are in Class II. PTFE anti-condensation valve or AISI 303 stainless steel, cable gland on PA or nickel-plated brass cap. Bolts and screws in AISI 304. Powder-coated steel or AISI 304 mounting bracket. Integrated power supply inside the lamp body. LED module composed of aluminum substrate with high-efficiency LEDs. It is possible to install optional remote control inside the lamp body. Power supply with nominal voltage 220-240 Vac wired inside or integrated, frequency 50/60 Hz. Efficiency ≥90% at full load, power factor Cosφ ≥ 0.95. The operating temperature of the lamps ranges from -40 to +55 °C. The control system is managed by the 1-10V control module (optional). LED lifespan >100,000 hours L90B10. Energy performance ≥A++. Color temperature from 3000k to 5700k, CRI >72. Luminaire efficiency up to 155lm/W. CE and ENEC certification.

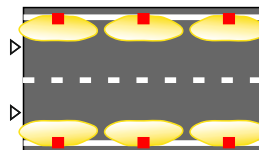
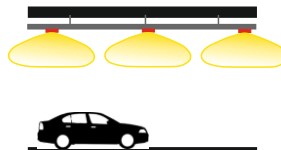
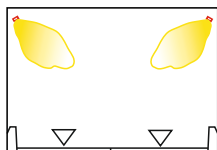
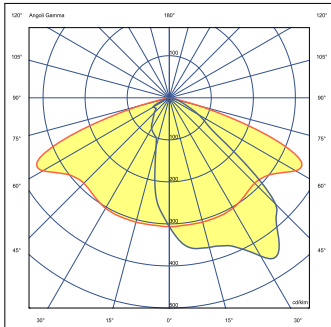
Main Reference Standards

EN 60598-1: Luminaires - Part 1: General requirements and tests
 EN 60598-2-3: Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting
 IEC/TR 62778: Application of IEC 62471 for the assessment of blue light hazard to light sources and luminaires
 EN 55015: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
 EN 61000-3-2: Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions
 EN 61000-3-3: Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
 EN 61547: Equipment for general lighting purposes - EMC immunity requirements
 EN 13032-1: Light and lighting - Measurement and presentation of photometric data of lamps and luminaires - Part 1: Measurement and file format
 UNI 11095:2019: Light and lighting - Street tunnel lighting
 Datasheet according IEC/PAS 62717 - IEC/PAS 62722



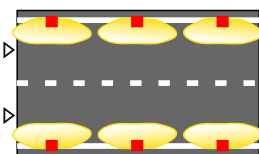
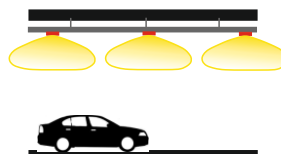
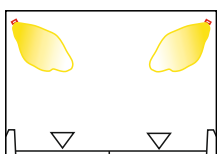
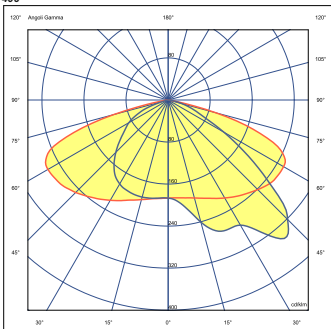
ASYMMETRIC

ME



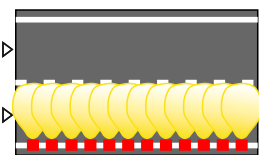
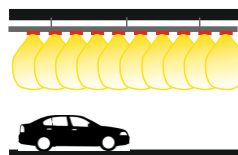
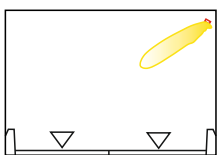
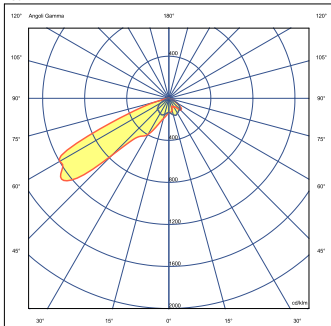
Optics suitable for symmetric installation for reinforcement and permanent devices

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Optics suitable for symmetric installation for reinforcement and permanent devices

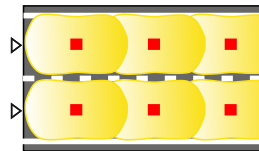
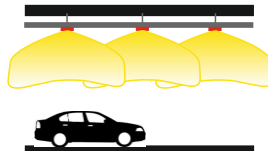
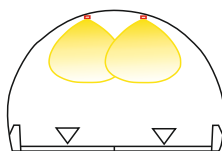
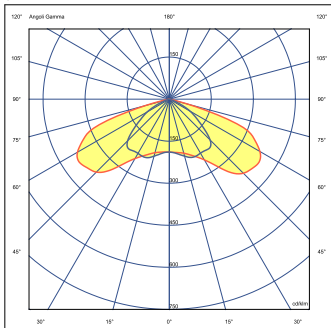
Fs3



Optics that can be used for each type of system. Symmetrical, single continuous row for reinforcement and permanent fixtures.

SYMMETRIC

CAT



Optics used for counterflow symmetric and proflow installation types for reinforcement and permanent devices

3000/4000/5700K

Model	Led Current	Rated Luminaire power(W)	Rated Led Flux(lm) ⁽⁴⁾	Rated Luminaire Flux(lm) ⁽³⁾	Luminaire Efficacy(lm/W)
Pegaso16	250	24,0	4414	3752	155,0
Pegaso16	350	37,0	6200	5270	145,0
Pegaso24		53,0	9150	7780	

Pegaso 24 / 40 / 350 / CAT

- Series
- LED Number
- Color temperature
- Led Current
- Optic

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

⁽¹⁾ LED source efficiency according to LED datasheet.

⁽²⁾ Lifetime according to OSCONIQ - GW Q9LR33.PM_4000K_600mA_6000h.

⁽³⁾ Values measured in the laboratory with CAT optics.

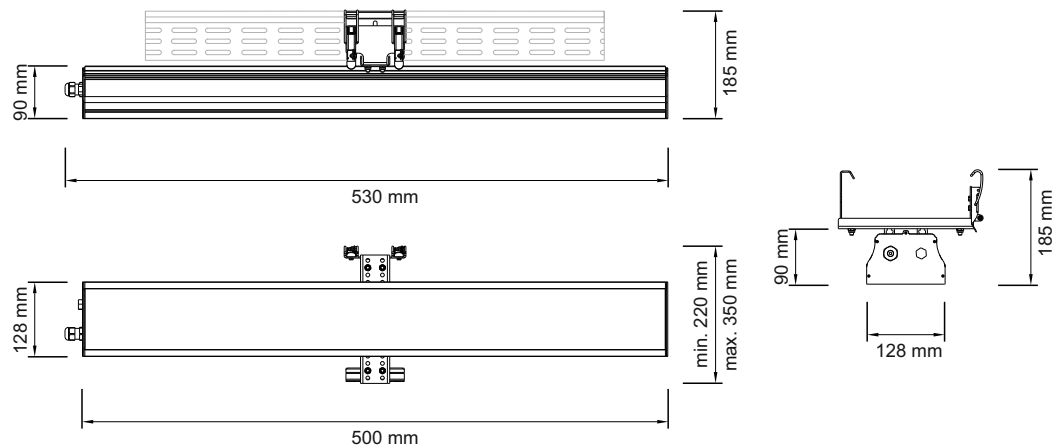
⁽⁴⁾ Values extrapolated from LED manufacturer datasheet.

The characteristics of the product listed above are subjected to change without notice.

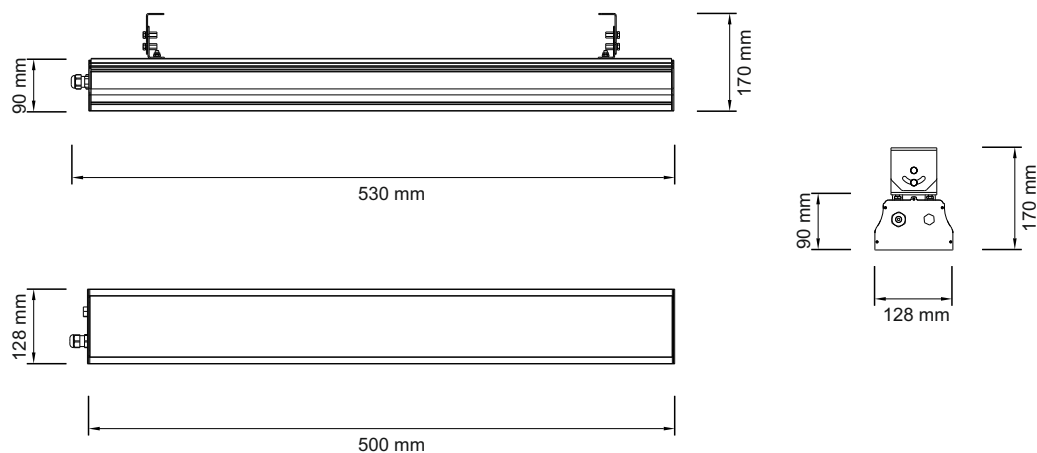
Errors and omissions excepted. Always ensure to use the most up-to-date version. The

listed product specifications are subject to change and will be confirmed at the time of ordering

QUICK-ATTACH TRAY SYSTEM



CEILING MOUNT



RAPID-MOUNT BRACKET



- Stainless steel AISI 304 bracket with lever closures
- On request, adjustable tilt model
- Weight: 0,8Kg

ADJUSTABLE CEILING OR WALL BRACKETS



- Adjustableness stainless steel AISI 304 bracket
- The kit consists of two brackets with adjustable loop
- Tilt adjustment -60°/+60°
- Weight: 0,4Kg

QUICK-CONNECTOR



- Flexible or rigid conductor section max 2.5mm²
- Maximum installable cable outer diameter 13.5mm
- IP68 AND IK07

INOX SAFETY CHAIN



- Safety chain in stainless steel AISI 304

PROTECTIVE SCREEN



- Protective screen made of polycarbonate
- 4mm thick transparent with high efficiency
- IK09

REMOTE CONTROL AND OTHER ACCESSORIES

- Devices on request can be equipped with remote control system using OC module with 1-10V technology
- Devices on request, equipped with a specific driver, can be programmed on-site using NFC and the corresponding app
- Devices on request, equipped with a specific driver, can be programmed with seasonal, weekly, and daily dimming
- The devices will be provided with a male-female quick-connect wall connector (cable not included)

PACKAGING



Dimension: 600x150x100 mm
Weight: 5 Kg(including packaging)

DESIGN

