

GEMINI PRO

* LED lighting body for outdoor applications, conceived, designed and manufactured entirely in Italy, consisting of an open frame system, finned dissipating body and finned driver compartment cover in die-cast aluminium, alloy

UNI EN 1676:2010-EN AB-46100.

* The product is developed according to the reference standards EN/IEC 60598-1:2015 and in particular to EN/IEC 60598-2-5.

* Made in Italy brand printed directly on the front of the dissipating body.

* Protractor scale for product inclination adjustment, printed directly on the dissipating body.

* Full painting with polyester powder after RAL7039 trivalent passivation, embossed finish, resistant to salt spray test over 1000hr ASTM B117 to corrosion, abrasion and substances chemical type C4 according to UNI EN ISO 12944 standard, hr>1000 ISO9227.

* Adjustable shaped and slotted steel bracket, electrolytic galvanizing surface treatment.

Maximum product inclination $-90^{\circ}/+90^{\circ}$

* External screws in AISI 304 A2 steel, vandal-proof torx, fixed to the rear part of the product which guarantee total aesthetic cleanliness and absence of fastening elements on the front panel.

* Diffuser in extra-clear flat glass tempered according to UNI EN 12150-1:2019, 4mm thick.

* Reflector in 95% satin aluminum according to EN AW 5005AlMg1

* Power type LED ($>204\text{lm/W}$ @700mA $T_j=85^{\circ}\text{C}$) color temperature from 2200K to 5000K, standard 4000K.

* CRI greater than or equal to 70, minimum selection guaranteed 3step macAdams.

* Metal Core Printed Circuit Board (MCPCB) modules, 3kV electrical insulation resistance.

* Protected electrical connection guaranteed through 3/5-pole quick-fit connector, M20 PA6 16A 400V t100 IEC IP66/68 IEC61535,

The product does not require opening for installation.

* Thermal transfer is entrusted to a layer of graphite, with vertical and transmissive capacity horizontal of 10W/m-K.

* Standard wattage from 24W to 90W, nominal fluxes (4000K) from 4890lm to 17170lm.

* Multi-lens optical clusters, made by injection molding in methyl methacrylate polymer, PMMA anti UV HB UL94 900° gwfi IEC60695-2-12 SAE J576 according to Zhaga standard

* 4 possible lighting solutions: asymmetric 55°, street type ME3M, CYC for pavements and cycle paths, roto-symmetric 15, 45, 55°.

* Full cut-off emission for AS and ME3M versions, compliant with regional laws regarding pollution bright and UNI 10819.

* Electronic power supply 220-240V 50/60Hz.

* Resistance to impulse surges 10kV in common mode; 6kV in differential mode, protection to overvoltages with automatic shutdown >285V, overload protection (limitation of output voltage); short circuit protection (output current limitation); protection to overvoltages (neutral disconnection); overtemperature protection, with the first threshold being reduced by current (NTC), second with electrical disconnection of the product; according to EN 61000-4-5.

* Cosφ 0.98, harmonic distortion <5%, flicker <=4%, Ur >95%

* Silicone wiring compartment seals -100/+300°C.

* IP66 protection rating.

* Insulation class I.

* Impact resistance grade IK08, 5J.

* In accordance with the regulatory requirements in EN 62471:2008 the product is classified according to the Group

of “Exempt” risk (i.e. RG0).

* ENEC, CE, Rohs, Reach certification.

* Life expectancy according to LM80 129000h L90 B20 @ta 25°C, 110000h, L90 B20 @ta50°C, temperature standard use -35°C/+50°C.

* Energy saving class B according to EU regulation Reg.2019/2015

* Eco-friendly product, with over 80% of the components used recyclable.

* Available on request with DALI power supply, variable current and “Virtual” type flux reduction systems
Midnight”, SPD 10kV, protection grid.

* Standard 5 year warranty. *