

## 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 aluminum, alloy UNI EN 1676: 2010-EN AB-46100.

\* 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 trivalent passivation RAL7039, embossed finish, resistant to salt spray test above 1000hr ASTM B117 to corrosion, abrasion and chemical substances type C4 according to UNI EN ISO 12944 standard, hr> 1000 ISO9227.

\* Adjustable shaped and slotted steel bracket, electrolytic zinc plated surface treatment.

Maximum product inclination -90 ° / + 90 °

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

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

\* 95% satin aluminum reflector according to EN AW 5005AlMg1

\* Power type LED (> 188lm / W @ 700mA Tj = 85 ° C) color temperature from 2200K to 5000K, standard 4000K.

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

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

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

The product does not require opening for installation.

\* The thermal transfer is entrusted to a layer of graphite, with vertical transmission capacity and horizontal of 10W / m-K.

\* Standard wattage from 24W to 72W, nominal fluxes (4000K) from 4520lm to 13560lm.

\* 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: asymmetrical 55 °, road type ME3M, CYC for sidewalks and cycle paths, rotosymmetric 15, 45, 60 °.

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

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

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

\*  $\cos\phi$  0.98, harmonic distortion <5%, flicker </ = 4%,  $U_r$  > 95%

\* Wiring compartment gaskets in Silicone -100 / + 300C °.

\* Degree of protection IP66.

\* Insulation class I.

\* IK08, 5J impact resistance grade.

\* In accordance with the regulatory requirements present in EN 62471: 2008, the product is classified according to the Group of "Exempt" risk (ie RG0).

\* ENEC, CE, Rohs, Reach certification.

\* Life expectancy according to LM80 157000h L80 B10 @ta 25 ° C, 133000h, L80 B10 @ ta50 ° C, temperature of standard use -35 ° C / + 50 ° C.

\* Energy saving class B according to EU 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 Midnight" type flux reduction systems, SPD 10kV, protection grid.

\* Standard 5 year warranty. \*