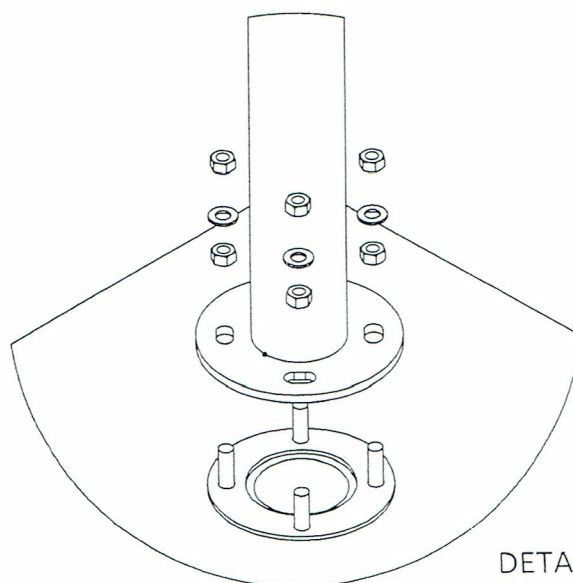
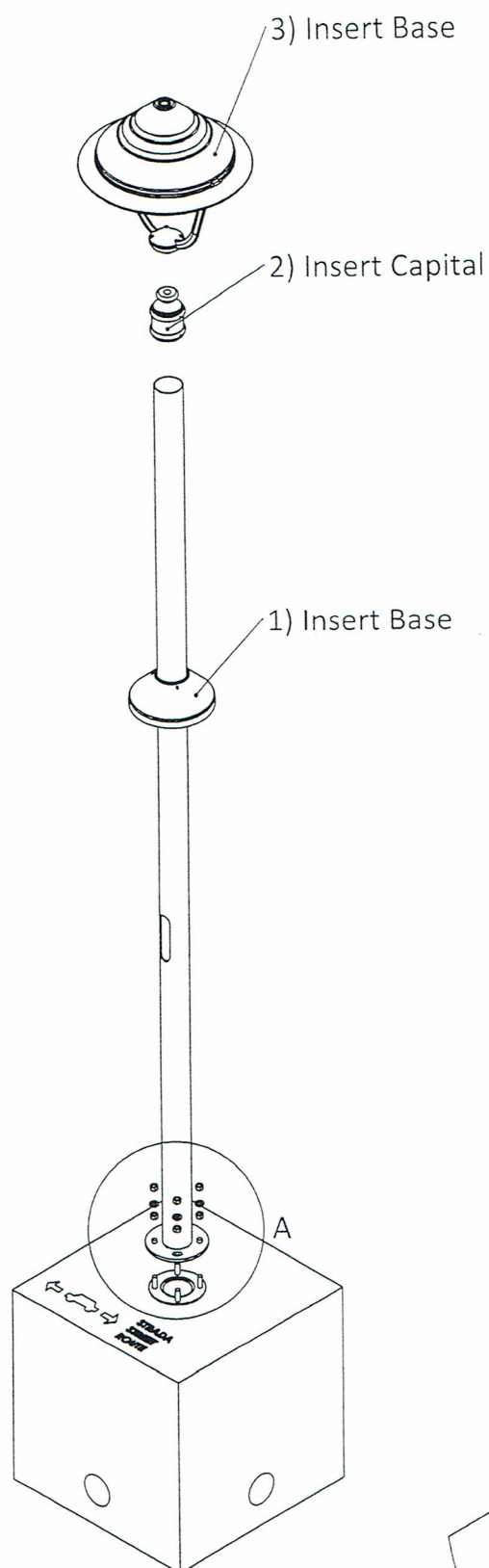


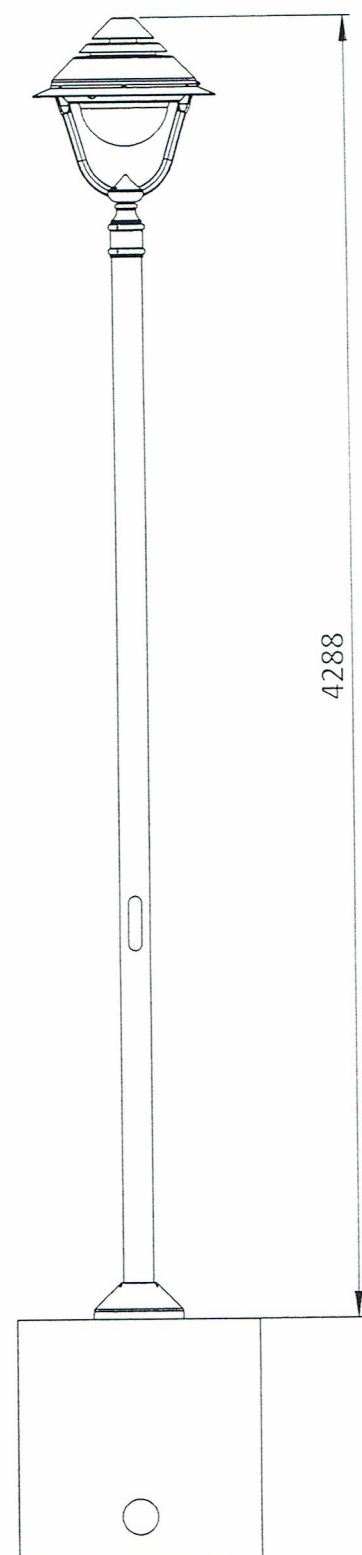
Ghisamestieri

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Scale: 1:2

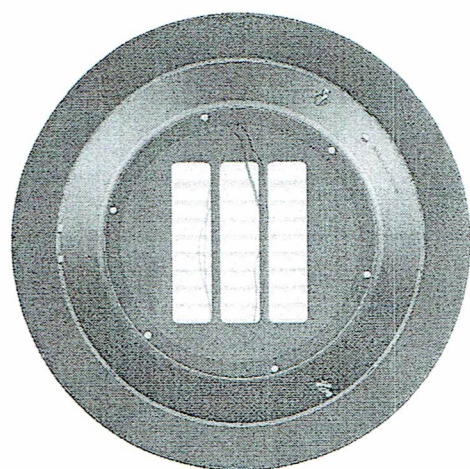
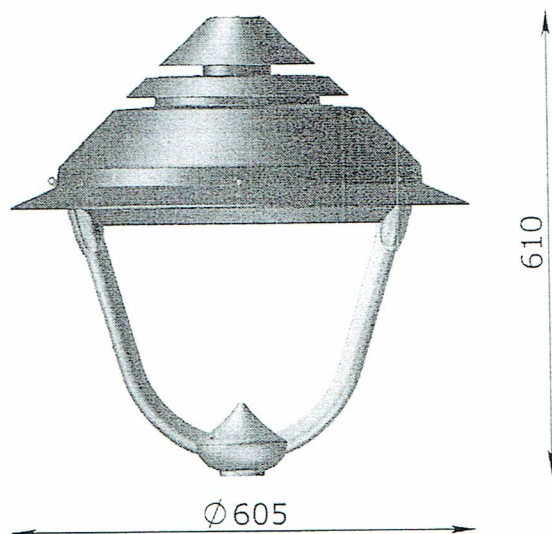


DETAIL A
SCALE 1 : 8





Ald FLA 48 LED C



Side view • Plan view • Scale 1:10

Size and weight

Height 610 mm; diameter 605 mm.
Weight 8,75 kg (wiring excluded).
Wind impact area (CxS): 0,13 m².

Photometric data



Light bar lens - Type 2

Light bar lens - Type 3

Light bar lens - Type 5

Conformity



Installation specifications

Input Voltage 220-240 V / 120-277 V
Input Frequency 50-60Hz
Power Factor $\geq 0,9$
Driver Efficiency $\geq 90\%$
Surge Protection 4 kV

530 mA $T_a=25^\circ\text{C}$ 4000 K

	Active power [W]	Nominal flux [lm]	Life expectancy L70 [h]
48 LED	75	8.700	>70.000
32 LED	50	5.800	>70.000
16 LED	25	2.900	>70.000

Lighting fixture description

The lighting fixture complies with EN 60598-1, EN 60598-2-3 standards and it is IP66 certified. It is made of die cast aluminum conforming to EN 1706. It is composed of:

- An upper unit made of die-cast aluminium;
- A lower frame made of die-cast aluminium connected to the upper unit through a hinge of stainless steel AISI 304;
- A supporting and decorative fork made of die-cast aluminium;
- A decorative brim made of die-cast aluminium secured to the lower ring;
- A fixing plate for light bar of metal sheet, with a function of supporting LED modules;
- Each LED module complies with IP66 and IK10 requirements and it is composed by:
 - a LED light bar with 16 LEDs;
 - a thermistor to control the nominal temperature and the lifetime;
 - a thermal interface with electrical insulation to protect the PCB up to 6 kV of surge;
 - a heat sink made of EN AW 6060 aluminium;
 - PMMA high efficiency lenses;
 - silicon gaskets;
 - a cover made of high performance plastic material Makrolon®;
- A circuit breaker that disconnects the power supply as soon as you open the lighting fixture to prevent any electric shock;
- Two midway closing one-way screws that provide an easy access to the optical space and its components without tooling;
- Silicon internal gaskets;
- Stainless steel bolts and screws in AISI 304.

This lantern is suitable only for standing installations.

Components on request

Additional protection against electric shock (up to 10 kV/5 kA) from the supply line (available only for insulation class I).

LED specifications

Light Bars

- Light bar lens - Type 2: with asymmetric distribution of the luminous intensity suitable for cycle / pedestrian path and for narrow road side installations;
- Light bar lens - Type 3: with asymmetric distribution of the luminous intensity suitable for medium and wide road side installations;
- Light bar lens - Type 5: with conical system of the distribution of the luminous intensity suitable for urban furniture installation and parking areas.

Colour temperature and chromatic index

The LEDs used in our products are available with a colour temperature of 5.000 K and 4.000 K with CRI 70, 3.000 K with CRI 80.

Photobiology security

The LED systems within the limit of RG1 and comply with EN 62471, IEC/TR 62778 for the photobiology security against blue light hazard.

Luminous flux reduction

The LED system are arranged to various lighting control systems: 1-10V, DALI system, virtual midnight and on demand they can be equipped with a dimming system supplied with a power supply regulator.

"Limitless" system

The lighting fixture is regenerative. Is possible to change tool free any component (led driver and led module) in case of: future technological developments, led bars substitution, etc.

Surface treatments

The lighting fittings are submitted to a dust-painting process providing protection for the metallic parts corrosion and makes finished products exactly meet their design requirements in terms of colour, surface roughness and reflectance.

The process consist of the following steps:

- micro-sandblasting;
- components are heat-pickled in a phosphorus degreasing zinc-based solution;
- parts are rinsed in cold demineralised water and then oven-dried;
- a phosphoric chromating treatment is used to clean surfaces;
- application of powder undercoat and then oven cooking at 180°;
- application of powder to finish, using a High Durability product and then oven cooking at 180°.

The manufactured products painted in our production departments meet the more stringent international regulations about the resistance to the corrosion, to the weather and to the ultraviolet radiations.

It is utilized a painting phosphated, who has positively passed the more stringent tests, including the international test called FLORIDA TEST.