

Urban lighting luminaire

TRILOGA

Registered models - Design Massimo Sacconi





TRILOGA is a product with a strong design, featuring essential geometric lines that set it apart from the rest, perfect for integration in modern urban areas. TRILOGA is offered in two different sizes from 4m to 7m applications.

TRILOGA, available with street and symmetrical optics in the LED and discharge versions, creates a pleasant atmosphere in squares and pedestrian areas. TRILOGA 1 for SHP and MHL lamps up to 150W and CPO lamps up to 140W*. TRILOGA 2 for SHP and MHL lamps up to 250W and CPO lamps up to 140W*. TRILOGA LED features the LED Comfort Light Optic™ system.



* All the maximum powers shown are for ST optics.

MECHANICAL CHARACTERISTICS

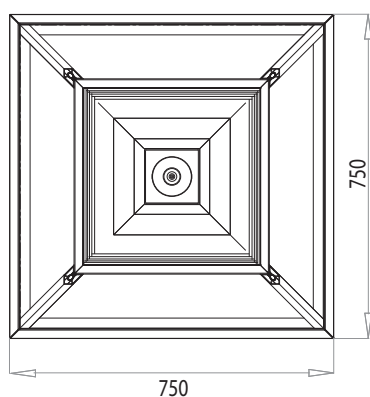
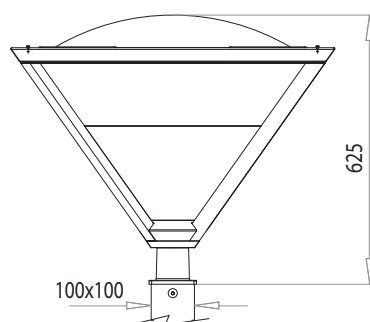
- Support base in die cast aluminum alloy UNI EN 1706 with profiles and upper part in extruded aluminium EN AW - UNI EN 755. Top cover in moulded aluminum UNI EN 485. Black colour (code 02).
 - EPDM seal.
 - High transparency closure screen in flat tempered glass (4mm thickness).
 - Optical unit in pure anodized and polished aluminum (99.85%).
 - Removable metal gear plate.
 - Integrated cable clamp.
 - Fixing system in die cast aluminium alloy UNI EN 1706.
 - Fast unfastening system in stainless steel.
- IP66 protection degree.

ELECTRICAL CHARACTERISTICS

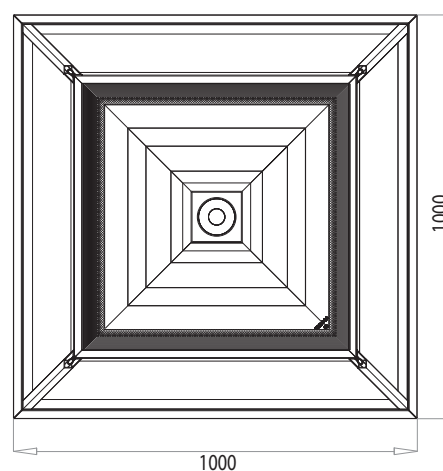
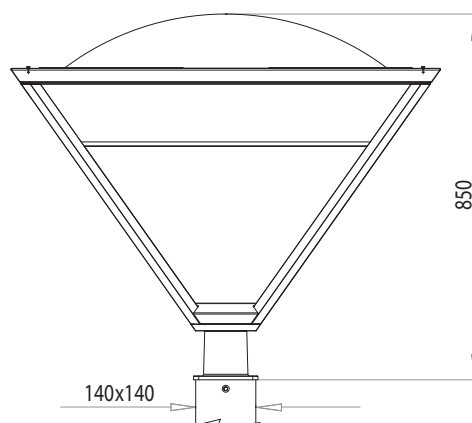
- Insulation class: I, II.
- Power supply: 230V - 50Hz.
- Electronic or ferromagnetic power supply unit, efficiency $\text{EEI} = \text{A3}$.
- Superimposed pulse ignitor with timer upon request.
- Power factor: > 0.9 (at full load).
- Connection for cables featured by a maximum cross section of 4mmq.
- Integrated on-load switch for luminaries in class II.
- Anti burst capacitor.
- Ceramic lamp holder.



TRILOGA 1 HID



TRILOGA 2 HID



TRILOGA 1			
WATTAGES	LAMP TYPE	LAMP HOLDER	OPTIC
50W	SHP-T	E27	ST-S
70W	SHP-T	E27	ST-S
100W	SHP-T	E40	ST-S
150W	SHP-T	E40	ST-S
50W	MHL-E	E27	ST-S
70W	MHL-E	E27	ST-S
100W	MHL-E	E27	ST-S
150W	MHL-E	E27	ST-S
45W	CPO-TW*	PGZ12	ST-S
60W	CPO-TW*	PGZ12	ST-S
90W	CPO-TW*	PGZ12	ST-S
140W	CPO-TW*	PGZ12	ST-S
50W	CDO-TT	E27	ST-S
70W	CDO-TT	E27	ST-S
100W	CDO-TT	E40	ST-S
150W	CDO-TT	E40	ST-S
35W	CDM-T	G12	ST-S
50W	CDM-T	G12	ST-S
70W	CDM-T	G12	ST-S
100W	CDM-T	G12	ST-S
150W	CDM-T	G12	ST-S

For CDO-TT lamps, please, order SHP wiring.

*Only available with electronic power supply unit.

TRILOGA 2			
WATTAGES	LAMP TYPE	LAMP HOLDER	OPTIC
70W	SHP-T	E27	ST-S
100W	SHP-T	E40	ST-S
150W	SHP-T	E40	ST-S
250W	SHP-T	E40	ST-S
70W	MHL-E	E27	ST-S
100W	MHL-E	E27	ST-S
150W	MHL-E	E27	ST-S
250W	MHL-E	E40	ST-S
60W	CPO-TW*	PGZ12	ST-S
90W	CPO-TW*	PGZ12	ST-S
140W	CPO-TW*	PGZ12	ST-S
70W	CDO-TT	E27	ST-S
100W	CDO-TT	E40	ST-S
150W	CDO-TT	E40	ST-S
250W	CDO-TT	E40	ST-S
70W	CDM-T	G12	ST-S
100W	CDM-T	G12	ST-S
150W	CDM-T	G12	ST-S

For CDO-TT lamps, please, order SHP wiring.

*Only available with electronic power supply unit.

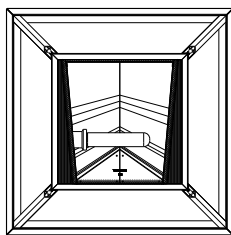
AVAILABLE OPTICS

ST: asymmetrical optic for street lighting.

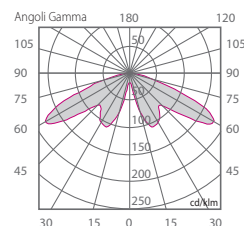
S: symmetrical optic for urban lighting.

Please, download
TRILOGA HID photometric data at
www.aecilluminazione.com

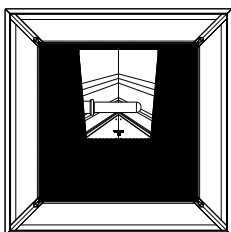
ST



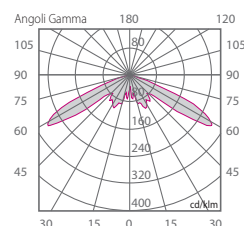
100W SHP-T



Coordinate system C-Gamma, polar graph.
Street lighting

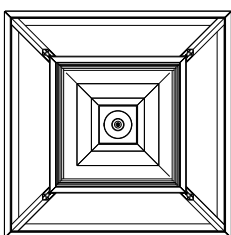


150W SHP-T

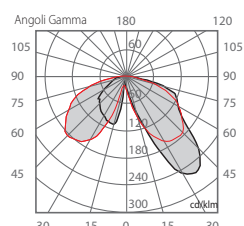


Coordinate system C-Gamma, polar graph.
Street lighting

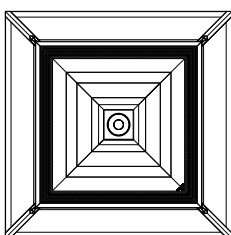
S



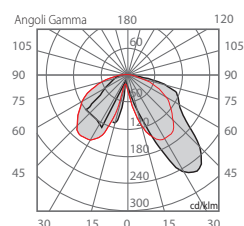
70W SHP-T



Coordinate system C-Gamma, polar graph.
Urban lighting



250W SHP-T



Coordinate system C-Gamma, polar graph.
Urban lighting

MECHANICAL CHARACTERISTICS

- Support base in die cast aluminum alloy UNI EN 1706 with profiles and upper part in extruded aluminium EN AW - UNI EN 755. Top cover in moulded aluminum UNI EN 485. Black colour (code 02).
 - EPDM seal.
 - High transparency closure screen in flat tempered glass (4mm thickness) on each LED module.
 - Optical unit in high efficiency metallised polycarbonate.
 - Removable metal gear plate.
 - Integrated cable clamp.
 - Fixing system in die cast aluminium alloy UNI EN 1706.
 - Fast unfastening system in stainless steel .
- IP66 protection degree.

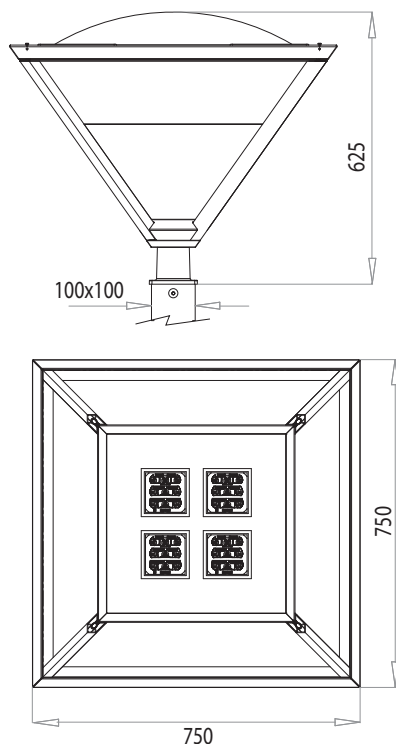
ELECTRICAL CHARACTERISTICS

- Insulation class: I, II.
- Power supply: 220-240V - 50/60Hz.
- LED current: 525/700mA.
- Power factor: > 0.9 (at full load).
- Connection: connector for cables featured by a maximum cross section of 2.5mmq.
- Integrated overvoltage protection:
Impulse withstand voltage: $\geq 7\text{kV}$ common/differential mode for CLASS I.
Impulse withstand voltage: $\geq 4\text{kV}$ common/differential mode for CLASS II.
Integrated SPD, Type II, $I_n = 5\text{kA}$, $I_{max} = 10\text{kA}$, $U_{oc} = 10\text{kV}$
- Optional fuse: 10A 250V gL.
- Optical unit lifetime
525mA:
 $\geq 70.000\text{hr}$ B20L80 (including critical failures)
 $\geq 100.000\text{hr}$ L80, TM-21;
700mA:
 $\geq 60.000\text{hr}$ B20L80 (including critical failures)
 $\geq 100.000\text{hr}$ L80, TM-21.
- Available dimming options:
DA: automatic adjustment of the light flow.
DAC: customizable DA profile.
PLM: power line communication light flow adjustment.

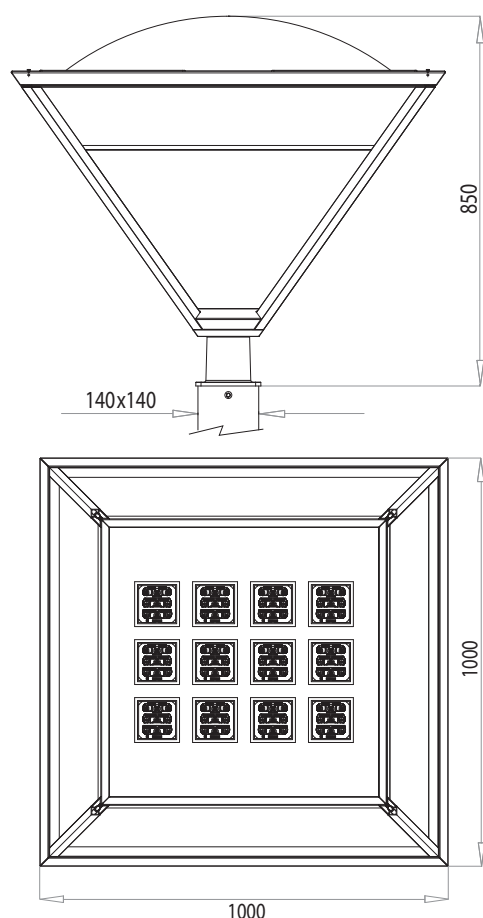


TRILOGA LED

TRILOGA 1



TRILOGA 2



AVAILABLE SIZES:

TRILOGA 1

18 LED

36 LED

TRILOGA 2

54 LED

72 LED

AVAILABLE OPTICS:

ST: asymmetrical optic for street lighting.

OC: asymmetrical optic for pedestrian and cycle paths lighting.

S: symmetrical optic for urban lighting.

OPTICAL UNIT

CHARACTERISTICS:

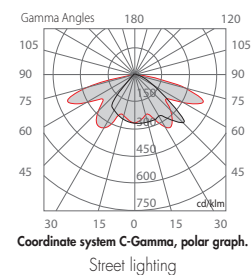
Modular optical system.

Led light source colour

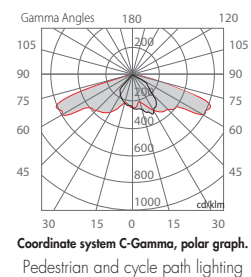
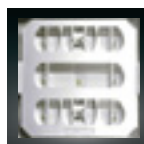
temperature: 4000K.

CRI: minimum 70.

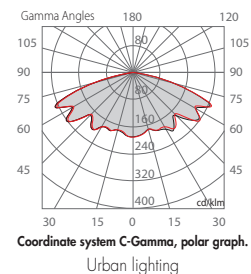
ST



OC



S



Please, download
TRILOGA LED photometric data at
www.aecilluminazione.com

In order to improve both the performance and reliability of its products, AEC pays particular attention to the protection against overvoltage.

Thanks to the research performed within its own test laboratories, AEC is now able to offer dedicated and customized solutions according to the system selected by the customer.

AEC offers two different types of wiring and related protective devices:

CLASS I: protection $\geq 7\text{kV}$.*

CLASS II: protection $\geq 4\text{kV}$.

CLASS II + SPD: protection $\geq 4\text{kV}$ and surge arrester integrated into the unit.

AEC experience concerning LED technology permits to define the limits of reliability and to propose our customers better safety solutions according to the characteristics of the system.

The minimum requirements imposed by the product standards in the field of "surge protection" may, in some cases, be insufficient: for this reason AEC provides a variety of additional protections.

For further information please visit www.aecilluminazione.com.

Click LED section on the menu and discover more about reliability & safety.

* For standard luminaires

10 ———

9 ———

8 ———

7 ——— ●

6 ——— ●

5 ——— ●

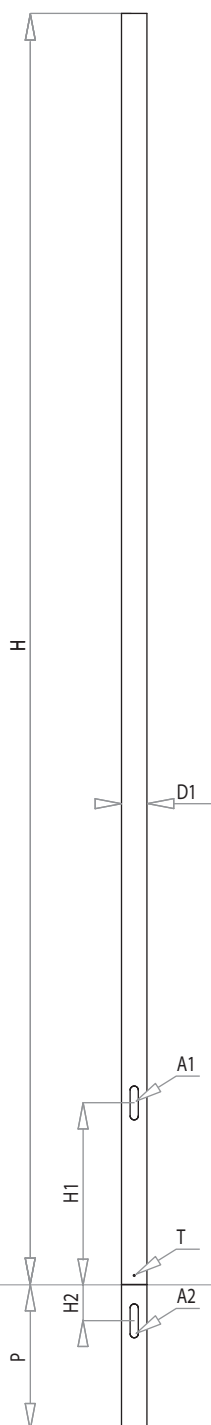
4 ——— ●

3 ———

Measures in metres



H available luminaire heights



PT POLES

DESCRIPTION

Square cross section steel pole consisting of one single section. Cable inlet slot and terminal box slot.

FINISH

Hot galvanized in accordance with UNI EN ISO 1461, and subsequent brushing to ensure perfect surface finish. Polyester powder coating.

COLOURS

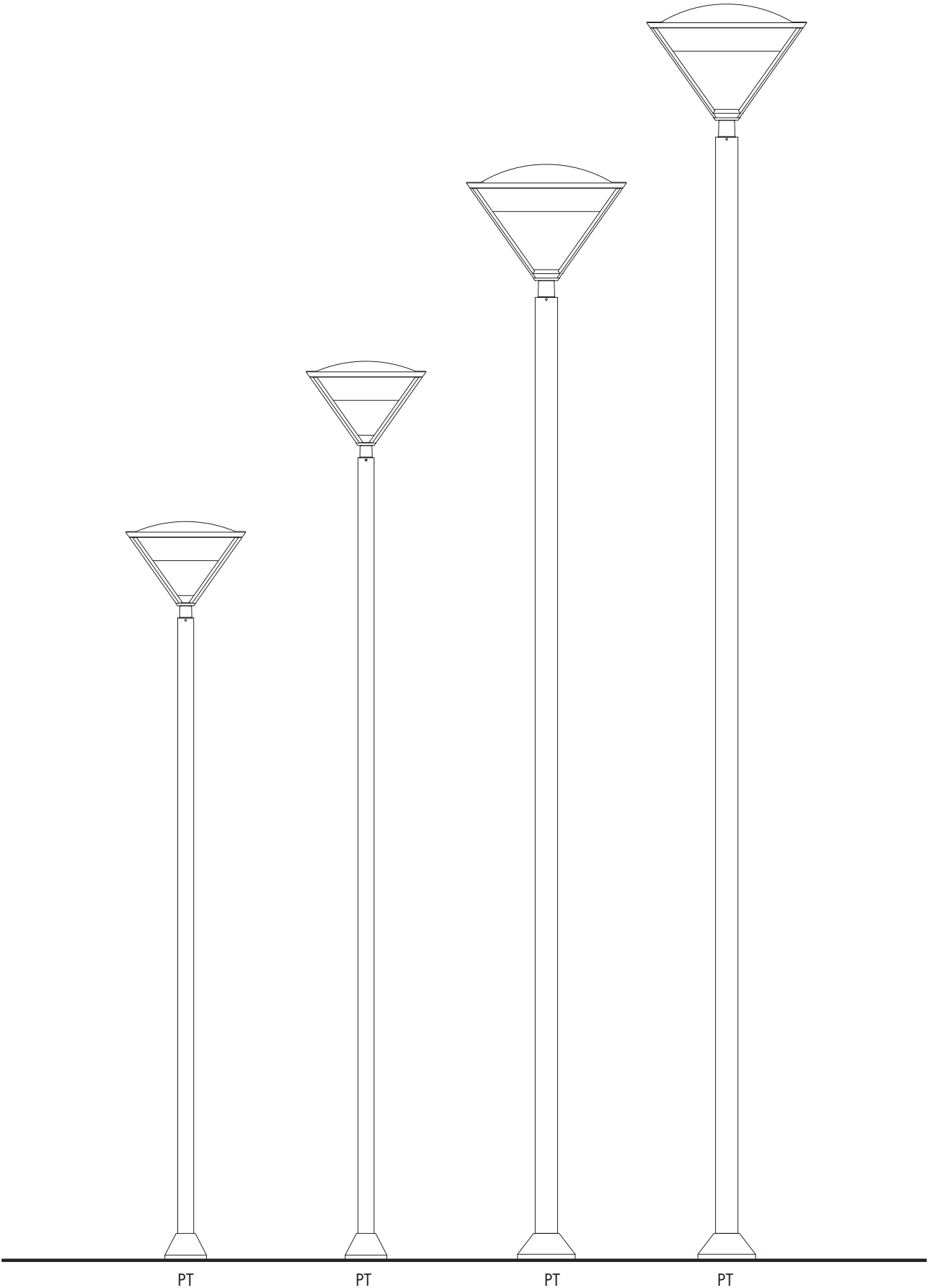
Code 01, 02, 03, 04, RAL on request.



Section

Installation examples

For more information about AEC Pole Division poles, please, consult the catalogue **"The Best in Pole Design"**.





The information contained in this
catalogue aren't binding.
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