

Street lighting luminaire

A2-A2led

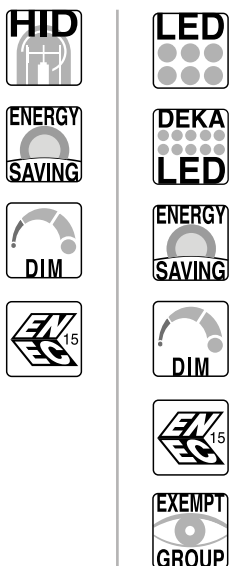
Registered models - Design Massimo Sacconi



A2 A2led



light
life



The A2 street lighting luminaire is available both in the HID and the LED technology versions. Thanks to its versatility and low running costs, the A2 luminaire can be used both for energy optimisation of existing systems and for new lighting systems. The discharge version is fitted with a latest generation multi-focal reflector capable of enhancing the performance of SHP and MHL lamps up to 150W and CPO lamps up to 140W. The LED version is equipped with the LED DEKA™ system featuring replaceable modules. High performance drivers are also available: fixed, with automatic dimming function or with Power Line Carrier remote control unit.



MECHANICAL CHARACTERISTICS

- 1 Support frame in die cast aluminium alloy UNI EN 1706, black colour (code 02).
- 2 Top cover in die cast aluminium alloy UNI EN 1706, grey colour (code 2B).
- 3 Polyurethane seal.
- 4 Closure screen in flat tempered glass (4mm thickness) featured by high transparency and optimum thermal and mechanical resistance (IK08).
- 5 Optical unit in pure anodized and polished aluminum (99.85%).
- 6 Technopolymer gear plate removable without tools.
- 7 Membrane grommet (Optional plastic cable gland M20x1.5mm - IP68).
- 8 Integrated cable clamp.
- 9 Fixing system: post top or bracket mounting in die cast aluminium alloy UNI EN 1706 for poles $\varnothing 60-76\text{mm}$ and brackets $\varnothing 60\text{mm}$.
Post top tilt: 0° .
Bracket tilt: 0° , -5° , -10° , -15° .
- 10 Lock in extruded aluminium EN AW - UNI EN 755 with stainless steel spring.
- 11 Regulation of the lamp focus in 7 different positions.

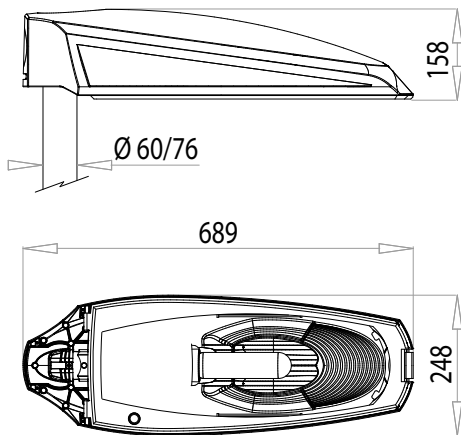
IP66 protection degree.

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 4mm^2 .
- Integrated on-load switch for luminaries in class II.
- Anti burst capacitor.
- Ceramic lamp holder.
- Available dimming options: please visit the relevant section for A2 in the website.



A2 HID



A2 HID			
WATTAGES	LAMP TYPE	LAMP HOLDER	OPTIC
50 W	SHP-T	E27	ST
70 W	SHP-T	E27	ST
100 W	SHP-T	E40	ST
150 W	SHP-T	E40	ST
45 W	CPO-TW*	PGZ12	ST
60 W	CPO-TW*	PGZ12	ST
90 W	CPO-TW*	PGZ12	ST
140 W	CPO-TW*	PGZ12	ST
50 W	CDO-TT	E27	ST
70 W	CDO-TT	E27	ST
100 W	CDO-TT	E40	ST
150 W	CDO-TT	E40	ST

*Only available with electronic power supply unit.

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

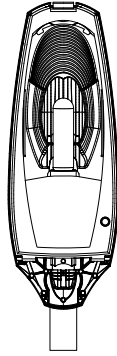
AVAILABLE OPTICS

ST: asymmetrical optic for street lighting.

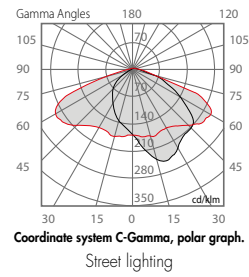
In the street version (ST) it is possible to adjust the lamp focus placing the reflector in different positions.

This allows to vary the photometric asymmetry in order to optimize the light beam according to the road width.

ST



150W SHP-T



Please, download A2 HID photometric data at www.aecilluminazione.com

MECHANICAL CHARACTERISTICS

- Support frame in die cast aluminium alloy UNI EN 1706, black colour (code 02).
- Top cover in die cast aluminium alloy UNI EN 1706, grey colour (code 2B).
- Polyurethane seal.
- Closure screen in flat tempered glass (4mm thickness) featured by high transparency and optimum thermal and mechanical resistance (IK08).
- Optical unit in high efficiency transparent polycarbonate, UV stabilized.
- Removable metal gear plate.
- Membrane grommet (Optional plastic cable gland M20x1.5mm - IP68).
- Integrated cable clamp.
- Fixing system: post top or bracket mounting in die cast aluminium alloy UNI EN 1706 for poles Ø60- 76mm and brackets Ø60mm.
Post top tilt: 0°
- Bracket tilt:
0°, -5°, -10°, -15°.
- Lock in extruded aluminium EN AW - UNI EN 755 with stainless steel spring.
- IP66 protection degree.

ELECTRICAL CHARACTERISTICS

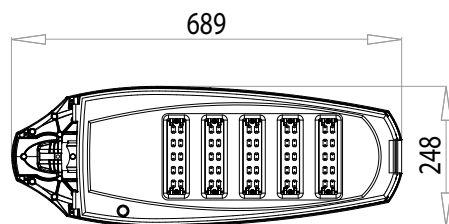
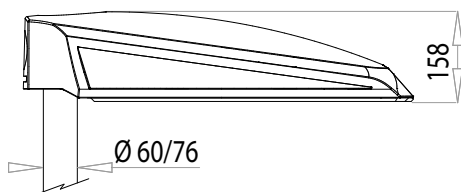
- Insulation class: I, II.
- Power supply: 220÷240V - 50/60Hz.
- LED current: 525/700mA.
- Power factor: > 0.9 (at full load).
- Connection for cables featured by a maximum cross section of 4mmq.
- Integrated on-load switch for luminaries in class II.
- Integrated overvoltage protection:
Impulse withstand voltage: ≥7kV common / differential mode for CLASS I.
Impulse withstand voltage: ≥4kV common / differential mode for CLASS II.
Integrated SPD, Type II, I_n = 5kA, I_{max} = 10kA, U_{oc} = 10kV.
- Fusibile optional: 10A 250V gL.
- Optical unit lifetime:
- 525mA: >100.000hr L80, TM:21
- 700mA: >100.000hr L80, TM:21

- Available dimming options:
DA: automatic adjustment of the light flow.
DAC: customizable DA profile.
PLM: power line communication light flow adjustment.





A2 LED



AVAILABLE SIZES

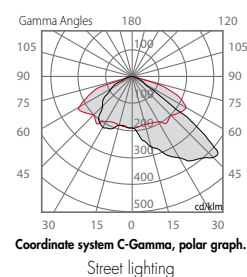
- 10 LED
- 20 LED
- 30 LED
- 40 LED
- 50 LED

Led light source colour
temperature: 4000K.
CRI: ≥ 70 .

AVAILABLE OPTICS

STL VP: asymmetrical optic for
street lighting.

STL VP



Please, download A2 LED photometric
data at www.cecilluminazione.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



The information contained in this catalogue aren't binding.
In order to guarantee a continuous updating of its products, AEC reserves itself the right to modify the contents without notice.

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