



Venus 2TLA



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ATP lighting
10 YEAR WARRANTY
IMMUNE TO CORROSION
STREET LIGHTING

Unique Characteristics



Laminar Heatsink®

Designed and internationally patented by ATP to maximize the lifespan of our new generation of high performance LED luminaires.



Comfort Diffuser®

Diffuser designed to improve pedestrian visual comfort on LED systems. Outstanding performance. The lighting results are not affected due to a rigorous photometric control.



ATP Polymeric Materials

Latest generation of ATP polymeric materials. Our exclusive formula of polymers gives way to T5 and S7 ATP materials. Materials especially designed to satisfy the maximum resistance requirements to vandalism and external agents.



Immune to Corrosion

Built with raw materials that are not susceptible to corrosion.



IP66+ Totally Hermetic

Several devices assure sealing of the luminaire in any situation, providing full protection to all elements in the interior.



IK10+ More than Vandal-Proof

Over 50 Joules impact tests approved. This is more than 200% IK EN 50102 Standard.



Electrical Shock Free

Insulating materials that do not conduct electricity avoiding any electrocution danger.



100% Recyclable

Built with 100% recyclable and cost effective reusable materials; reducing waste to 0%.



10 year warranty

The highest warranty in the field.



Designed and manufactured integrally by ATP in Europe

ATP LIGHTING INTERNATIONAL, S.A.
Zollikerstrasse 249 · 8008 Zurich (Switzerland)
info@atplighting.com · www.atplighting.com

Optimized Energetic Efficiency



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 **Standard colours**
Other colours available on demand.



Technical specifications

Coupling

Ø 60 mm.

Adaptor

Ø 50 mm.

LED voltage

220-240V 50-60Hz

Electronic discharge voltage

208-277V 50-60Hz

Electromagnetic discharge voltage

230V 50Hz / 220V, 240V 60Hz

Recommended maximum height

5 m.

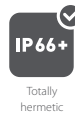
Weight without gear

7,5 Kg.

Photocell

On request.

Protection grades



Exclusive technology



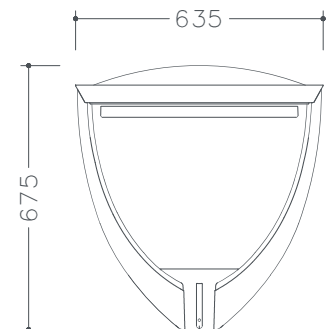
Electrical class



Warranty



Dimensions



Certificates



NOM



ANCE



AENOR



ENEC



ISSOP



CE



Certification CB

Available optics



LED



75W Max.



75W Max.



75W Max.



HPS / MH



150W Max.



150W Max.



150W Max.

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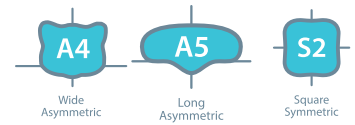
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Luminaire data

Nominal voltage and power factor*

220-240 Vac 50-60 Hz | $\geq 0,95(@230Vac)$

Operating temperature

-30 ... +35°C

Real efficiency

105 Lm/W

Power consumption (module + control gear)

36 W

Luminaire output flux

3.780 Lm

LED configuration

Number of high power ceramic LED

24 LED

Chromatic Rendering Index (CRI)

>70

Output current

500 mA

Output voltage range

68 - 72 Vdc

Colour temperature**

4000 K

Life time at 25°C

100.000 h

Luminous flux maintenance ***

L90B10 100.000 h

Luminaire output flux measured with A5 Optic and 4000K colour temperature. A $\pm 5\%$ tolerance in electrical parameters and output flux could be due to the continuous improvement in our LED modules and electronic control gears tolerance.

* 90-305 Vac 50-60 Hz available upon request.

** Any other colour temperature upon request.

*** Luminous flux maintenance value at 25°C operating temperature is calculated per TM-21 based on LM-80 LED manufacturer data.

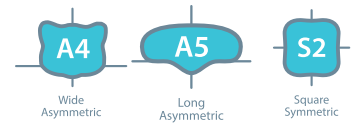
Real Data

In ATP we don't work with theoretical data. We offer real photometric data to our customers, measured in our Photometric Laboratory following the strict guidelines for LED luminaires of the Spanish Lighting Committee

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Luminaire data

Nominal voltage and power factor*

220-240 Vac 50-60 Hz | $\geq 0,95(@230Vac)$

Operating temperature

-30 ... +35°C

Real efficiency

97 Lm/W

Power consumption (module + control gear)

52 W

Luminaire output flux

5.030 Lm

LED configuration

Number of high power ceramic LED

24 LED

Chromatic Rendering Index (CRI)

>70

Output current

700 mA

Output voltage range

68 - 72 Vdc

Colour temperature**

4000 K

Life time at 25°C

100.000 h

Luminous flux maintenance ***

L80B10 100.000 h

Luminaire output flux measured with A5 Optic and 4000K colour temperature. A $\pm 5\%$ tolerance in electrical parameters and output flux could be due to the continuous improvement in our LED modules and electronic control gears tolerance.

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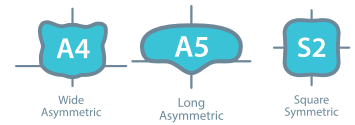
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Luminaire data

Nominal voltage and power factor*

220-240 Vac 50-60 Hz | $\geq 0,95(@230Vac)$

Operating temperature

-30 ... +35°C

Real efficiency

89 Lm/W

Power consumption (module + control gear)

74 W

Luminaire output flux

6.582 Lm

LED configuration

Number of high power ceramic LED

24 LED

Chromatic Rendering Index (CRI)

>70

Output current

980 mA

Output voltage range

68 - 72 Vdc

Colour temperature**

4000 K

Life time at 25°C

100.000 h

Luminous flux maintenance ***

L80B10 73.700 h

Luminaire output flux measured with A5 Optic and 4000K colour temperature. A $\pm 5\%$ tolerance in electrical parameters and output flux could be due to the continuous improvement in our LED modules and electronic control gears tolerance.

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** Any other colour temperature upon request.

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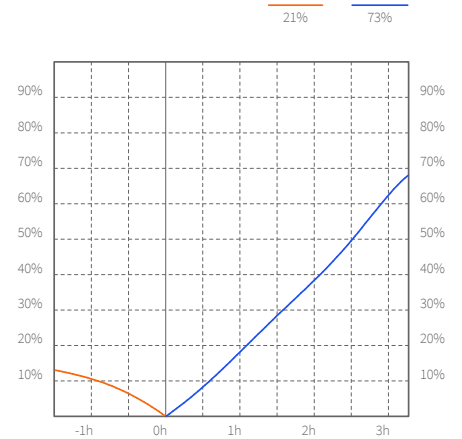
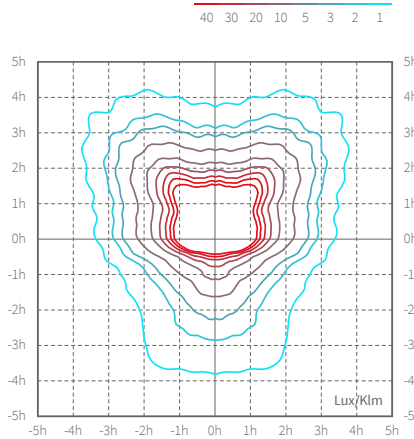
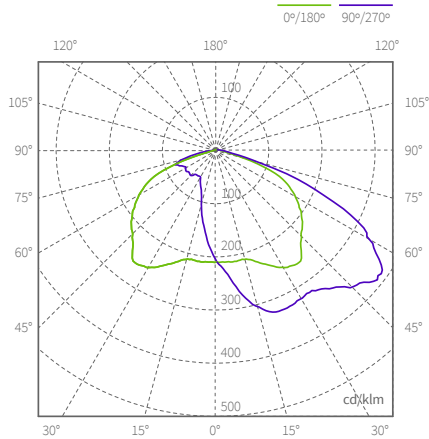
Optimized Energetic Efficiency

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A4 Long Asymmetric LED

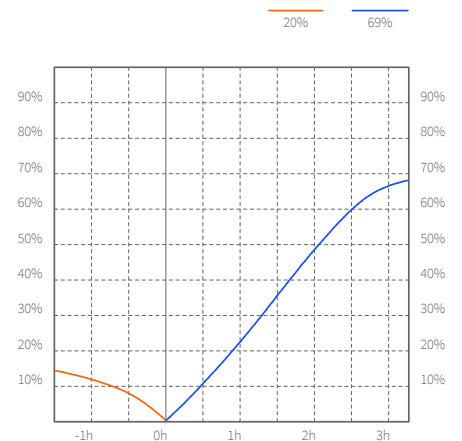
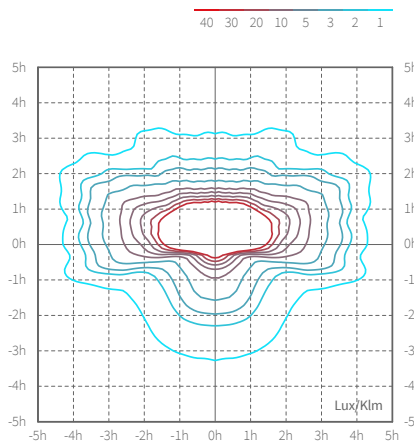
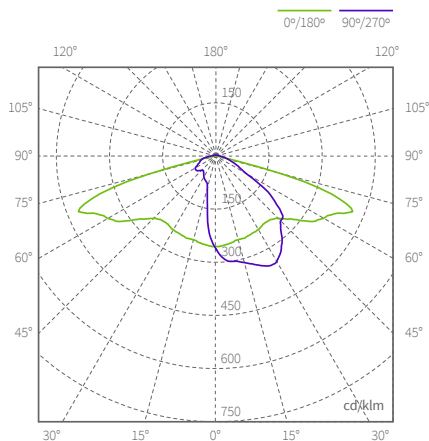
LED 35 LED 55 LED 75



Diagrams correspond to:
 LED55

A5 Wide Asymmetric LED

LED 35 LED 55 LED 75



Diagrams correspond to:
 LED55



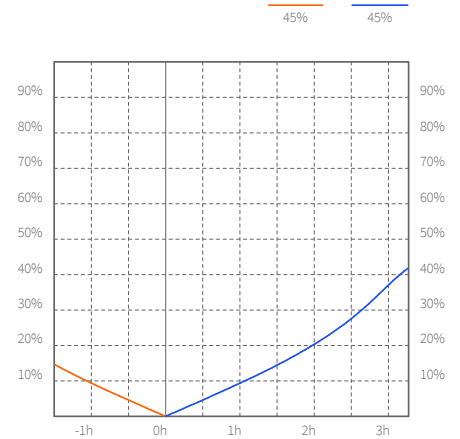
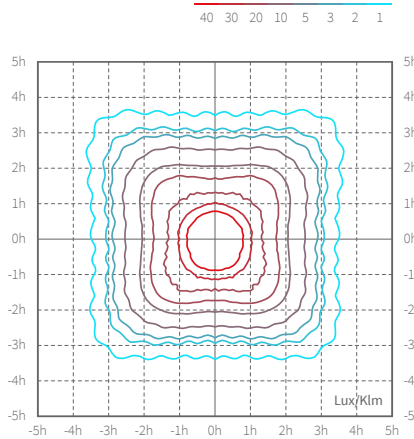
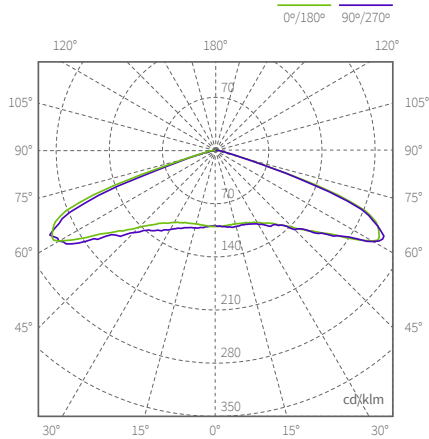
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S2 Square Symmetric

LED 35 LED 55 LED 75



Diagrams correspond to:
 LED55

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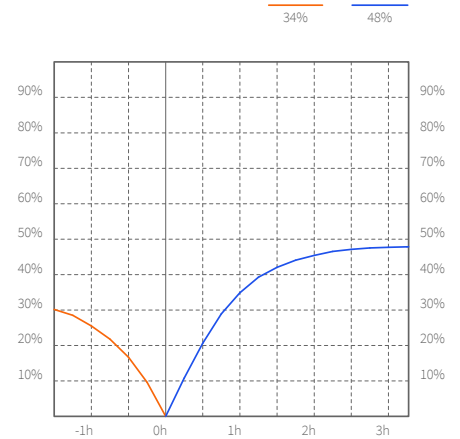
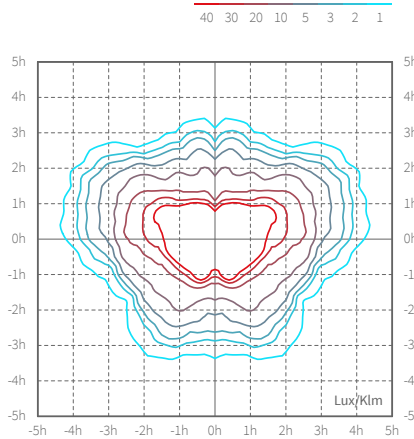
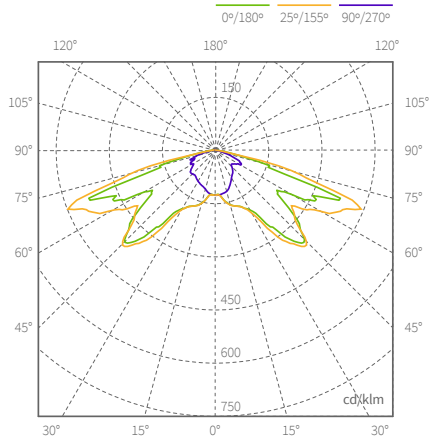
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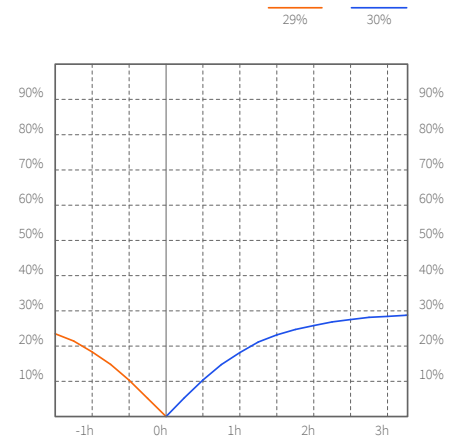
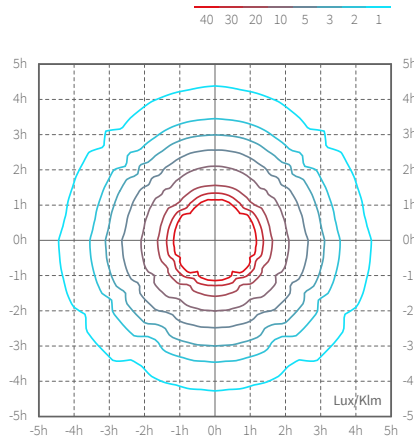
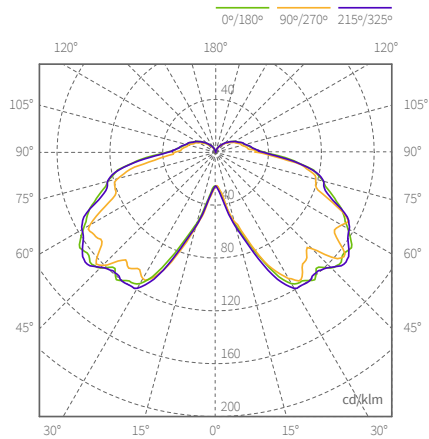
Wide
Asymmetric



Diagrams correspond to:
VSAP 100W



Round
Symmetric



Diagrams correspond to:
VSAP 70W

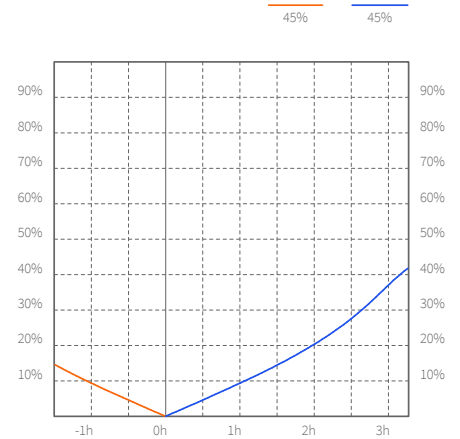
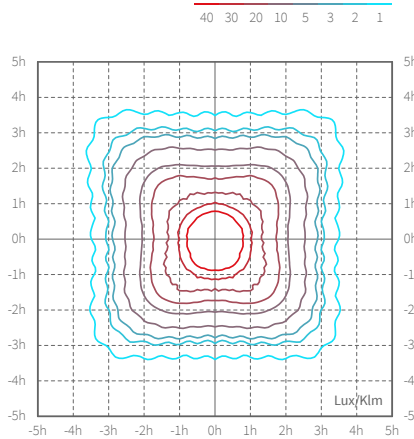
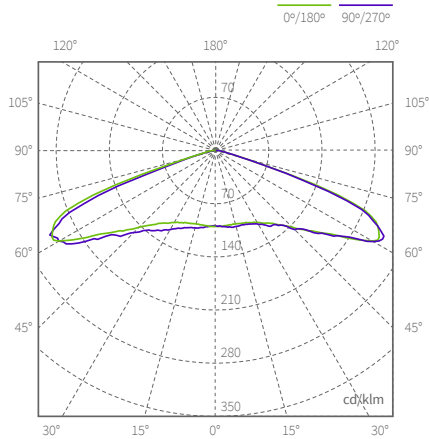


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R2 Round Symmetric



Diagrams correspond to:
HM 70W



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Technical Specifications

Control Gears

All ATP Luminaires are supplied with:

Possibility of standard or bi-power magnetic control gears.

Standard magnetic control gear system includes:

- Double level ballast with thermal protection.
- Capacitor with silicone wiring
- Independent ignitor which provides a longer operating gear lifetime.

Bi-power magnetic control gear system includes:

- Double level ballast with thermal protection.
- Capacitor with silicone wiring
- Independent ignitor which provides a longer operating gear lifetime.
- Relay to switch power level.

LED Luminaires are supplied with programmable constant current control gears and support remote wireless street lighting Control Management System. Voltage 220-240 Vac 50-60 Hz and 90-305 Vac 50-60 Hz upon request.

Standard electronic control gears feature:

- High over voltage protection: up to 10kv.
- Thermal protection.
- Programmable functions:
 - Dynamic dimming depending on the night duration and programmed time schedules. (Up to 6 different levels)
 - Dimming via an external control phase.
 - Dimming via mains voltage amplitude (on request).
 - Constant lumen output (CLO).
 - Temperature protection of the LED module (on request).
 - Presence sensor connectivity (on request).
 - LED module end-of-life signal (on request).

Electrical Wiring

Certified by CENELEC HAR trademark.

Insulated with fireproof V0 class silicones (self-extinguishing)

Double insulation hoses with V0 class silicone.

Tube connector IP68.

Resistance to corrosion

Materials are totally resistant to corrosion.

Screws made of stainless steel.

Materials

Made of reinforced technical polymers submitted to 3000 hours of UV radiation (S/UNE 53104/86). Colour alteration is not shown.

Diffuser made of transparent tropicalized thermo-polymer, T5, stabilized against UV radiation.

Maintenance

Maintenance is not required. Easy cleaning (external and the inside) using water and soap applied with sponge. Independent and extractable lamp trays, without tools, for an easy handling.

Vandal proof

The materials as well as the constructive feature, confer, ATP Light Fixtures, an extremely impact resistance. This resistance doubles IK10 standards, established by the UNE-EN 50102/A1 norm.

Electrical Class

Class II.

Protection grades

Integral sealing IP66.

Impact resistance IK10.

Certificates

CE: European Conformity mark. Certified for HPS, MH and LED.

N: Spanish association of standarization and certification. Certified for HPS and MH.

ENEC: European Norms Electrical Certification. Certified for HPS and MH.

NOM-ANCE: Association of standarization and certification of the electrical sector.

NOM is especific for electric products.

ISSOP stamp, which distinguishes enterprises whose manufactured products without planned obsolescence.

IECEE: IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components. Number of certification CB (IECEE): ES1717.

