



Enur P



Unique Characteristics



Lamina Heatsink®

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



Exclusive ATP Lamina Reflector®

Designed to achieve the best uniformity on street lighting installations by our LR® patented system.



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.



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



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



N Black



GC Light grey



GO Dark grey



V Green

Technical specifications

Coupling

Ø 60 mm.

Adaptor

Ø 60 horizontal, vertical, 75, 100, 120 mm

LED voltage

220-240 V 50-60 Hz

Electronic discharge voltage

208-277 V 50-60 Hz

Electromagnetic discharge voltage

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

Recommended maximum height

10 m.

Weight without gear

6,6 Kg.

Photocell

On request.

Protection grades



Exclusive technology



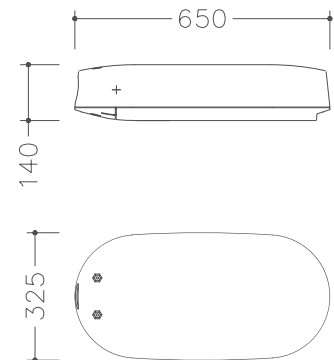
Electrical class



Warranty



Dimensions



Certificates



NOM



ANCE



AENOR



ENEC



ISSOP



CE



Certification CB

Available optics



LED



100W Max.



100W Max.



100W Max.



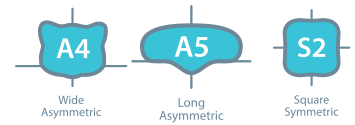
HPS / MH



150W Max.



150W Max.



Luminaire data

Nominal voltage and power factor*

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

Operating temperature

-30 ... +35°C

UFF

0,22 %

Real efficiency

120 Lm/W

Power consumption (module + control gear)

38 W

Luminaire output flux

4.548 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 V

Colour temperature**

4000 K

Life time at 35°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.

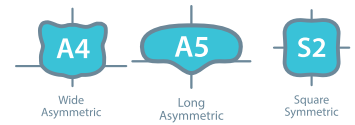
* 120-277 V 50-60 Hz available upon request.

** Any other colour temperature upon request.

*** Luminous flux maintenance value at 25°C operating temperature 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



Luminaire data

Nominal voltage and power factor*

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

Operating temperature

-30 ... +35°C

UFF

0,22 %

Real efficiency

116 Lm/W

Power consumption (module + control gear)

52 W

Luminaire output flux

6.052 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 V

Colour temperature**

4000 K

Life time at 35°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.

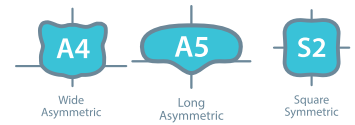
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Luminaire data

Nominal voltage and power factor*

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

Operating temperature

-30 ... +35°C

UFF

0,22 %

Real efficiency

107 Lm/W

Power consumption (module + control gear)

74 W

Luminaire output flux

7.919 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 V

Colour temperature**

4000 K

Life time at 35°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.

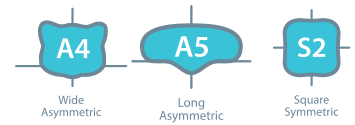
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Real Data

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Luminaire data

Nominal voltage and power factor*

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

Operating temperature

-30 ... +35°C

UFF

0,22 %

Real efficiency

119 Lm/W

Power consumption (module + control gear)

102 W

Luminaire output flux

12.126 Lm

LED configuration

Number of high power ceramic LED

48 LED

Chromatic Rendering Index (CRI)

>70

Output current

700 mA

Output voltage range

136 - 144 V

Colour temperature**

4000 K

Life time at 35°C

100.000 h

Luminous flux maintenance ***

L80B10 82.200 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.

* 120-277 V 50-60 Hz available upon request.

** Any other colour temperature upon request.

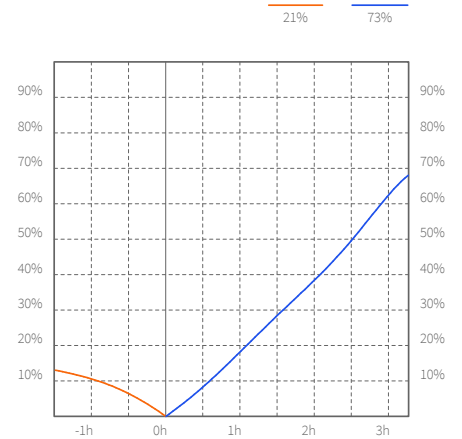
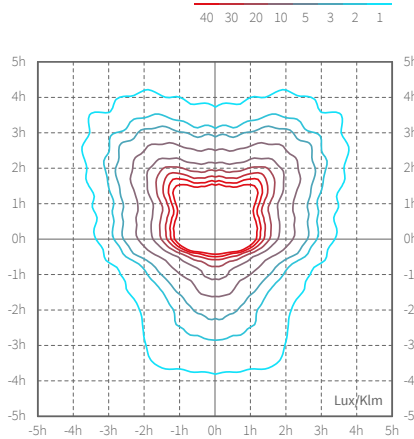
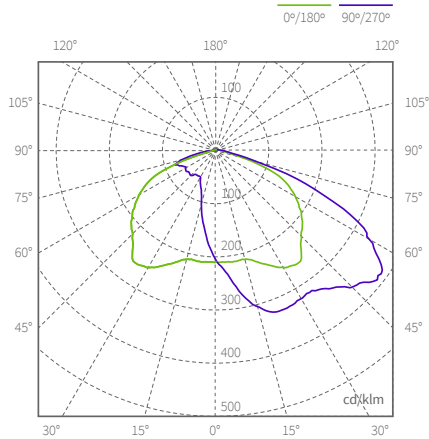
*** Luminous flux maintenance value at 25°C operating temperature based on LM-80 LED manufacturer data.

Real Data

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A4 Wide Asymmetric LED

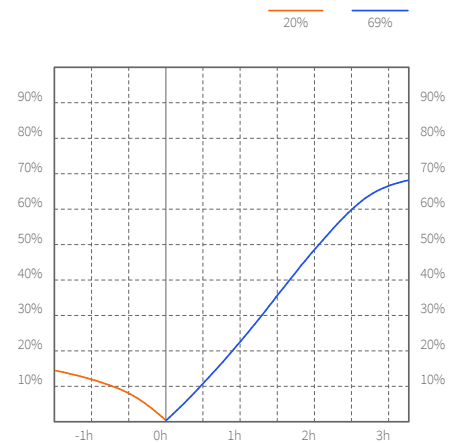
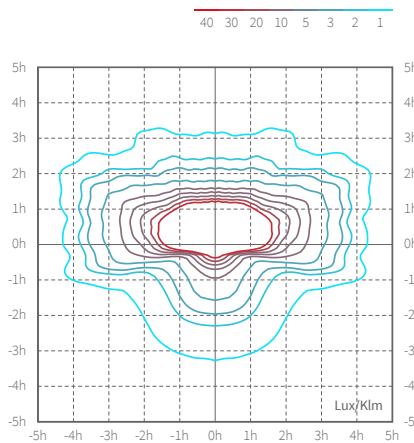
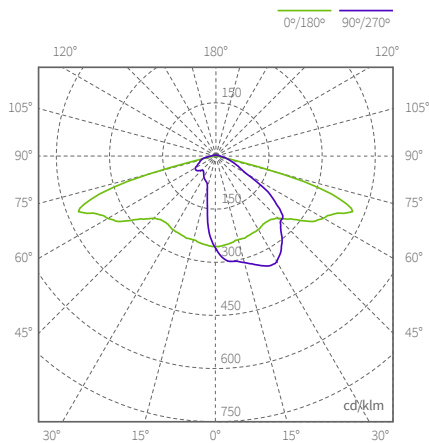
LED 35 LED 55 LED 75 LED 100



Diagrams correspond to:
 LED55

A5 Long Asymmetric LED

LED 35 LED 55 LED 75 LED 100



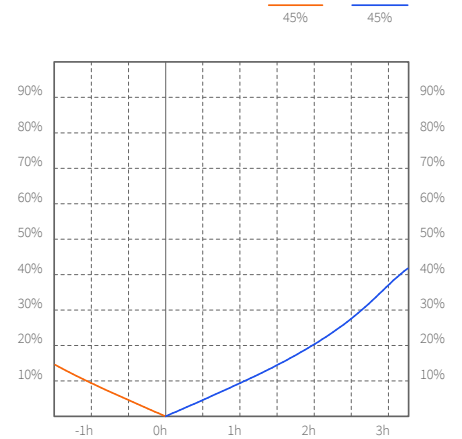
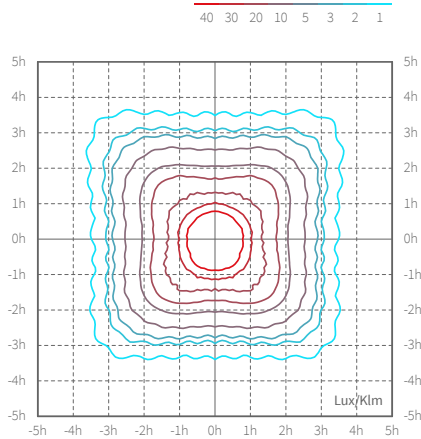
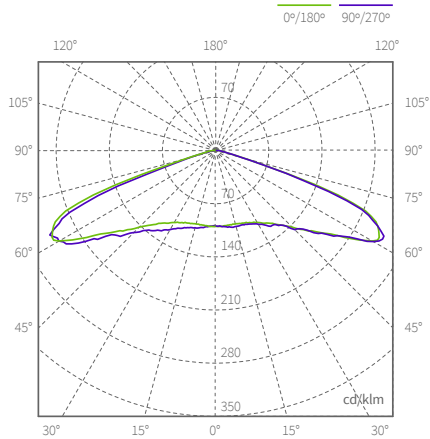
Diagrams correspond to:
 LED55



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S2 Square Symmetric LED

- LED 35
- LED 55
- LED 75
- LED 100



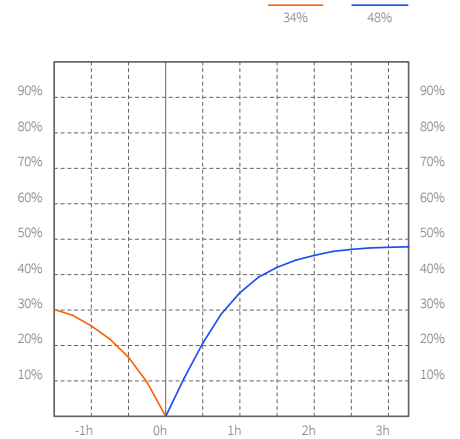
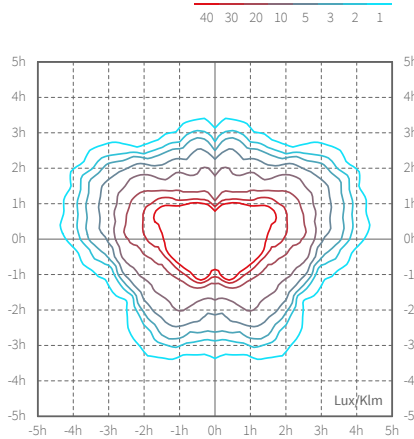
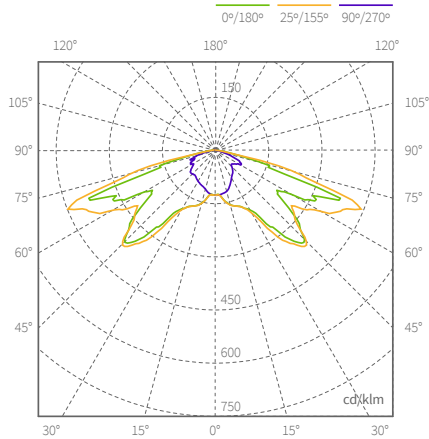
Diagrams correspond to:
 LED55



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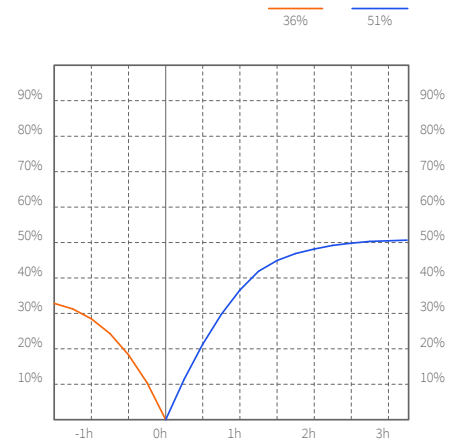
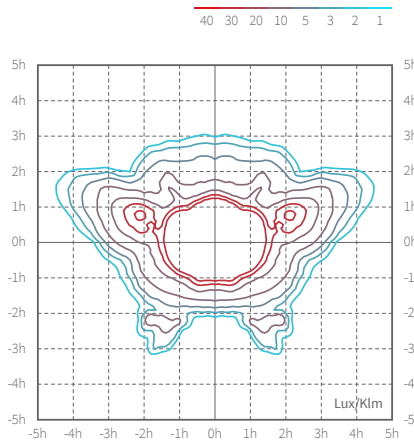
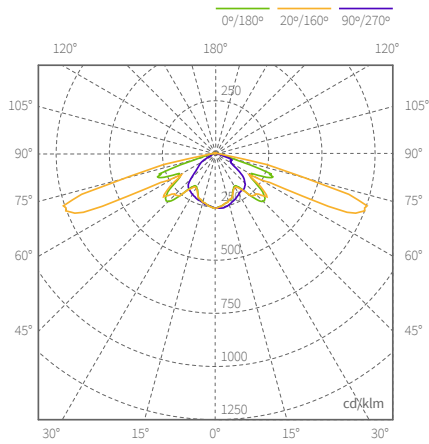
Wide Asymmetric



Diagrams correspond to:
HPS 100W



Wide Asymmetric



Diagrams correspond to:
HPS 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 V 50-60 Hz and 120-277 V 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).
 - DALI interface that allows sensor or Wireless Street Lighting CMS connectivity.
 - Dimming via an external command line.
 - 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 standardization and certification. Certified for HPS and MH.

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

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

NOM is specific 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.

CB (IECEE) Certification Number: ES1717.

