



Cónica TLA



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



Cónica TLA

ATP lighting
10 YEAR WARRANTY
IMMUNE TO CORROSION
STREET LIGHTING

 **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 50, 75, 76 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

6,8 Kg.

Photocell

On request.

Protection grades



Totally hermetic



More than vandal-proof

Exclusive technology



Laminar Heatsink*



Comfort Diffuser*

Electrical insulation



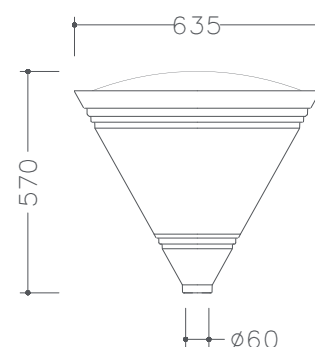
Class II

Warranty



Integral Warranty

Dimensions



Certificates



NOM



ANCE



AENOR



ENEC



ISSOP



CE



Certification CB

Available optics



LED



100W Máx.



100W Máx.



100W Máx.



HPS / MH



150W Máx.



150W Máx.



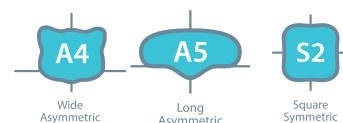
150W Máx.

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Optimized Energetic Efficiency





Luminaire data

Nominal voltage and power factor*

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

Operating temperature

-30 ... +35°C

UFF

3,5 %

Real efficiency

106 Lm/W

Power consumption (module + control gear)

38 W

Luminaire output flux

4.042 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

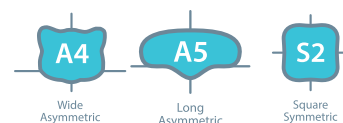
Luminaire output flux measured with A5 Optic and 4000K colour temperature. A $\pm 5\%$ tolerance in electrical parameters and output flux could be due to the continuous improvement in our LED modules and electronic control gears tolerance.

* 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.





Luminaire data

Nominal voltage and power factor*

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

Operating temperature

-30 ... +35°C

UFF

3,5 %

Real efficiency

103 Lm/W

Power consumption (module + control gear)

52 W

Luminaire output flux

5.378 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 ***

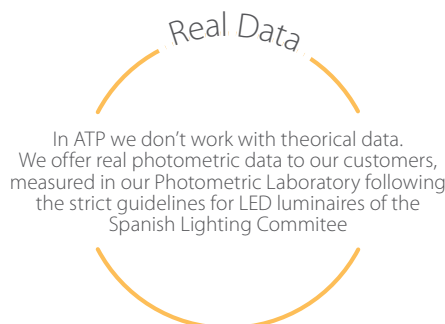
L80B10 100.000 h

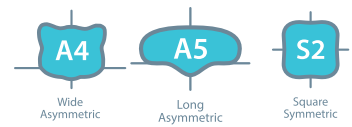
Luminaire output flux measured with A5 Optic and 4000K colour temperature. A $\pm 5\%$ tolerance in electrical parameters and output flux could be due to the continuous improvement in our LED modules and electronic control gears tolerance.

* 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.





Luminaire data

Nominal voltage and power factor*

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

Operating temperature

-30 ... +35°C

UFF

3,5 %

Real efficiency

95 Lm/W

Power consumption (module + control gear)

74 W

Luminaire output flux

7.037 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 ***

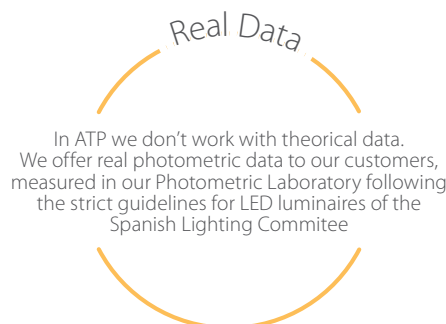
L80B10 73.700 h

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.

* 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.





Luminaire data

Nominal voltage and power factor*

220-240 Vac 50-60 Hz /
90 - 305 Vac 50-60 Hz

Operating temperature

-30 ... +35°C

UFF

3,5 %

Real efficiency

106 Lm/W

Power consumption (module + control gear)

102 W

Luminaire output flux

10.776 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

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.

Colour temperature**

4000 K

Life time at 35°C

100.000 h

Luminous flux maintenance ***

L80B10 69.800 h

Real Data

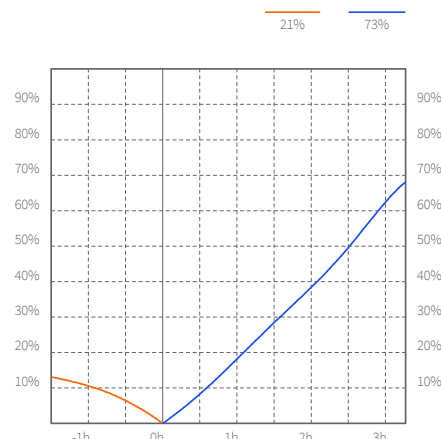
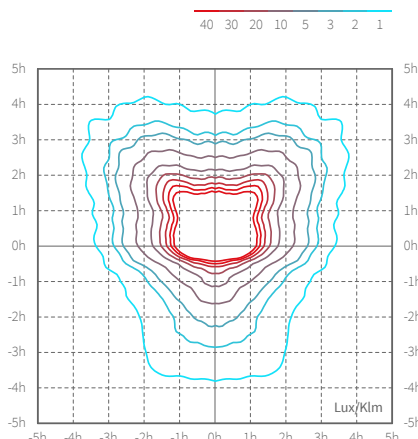
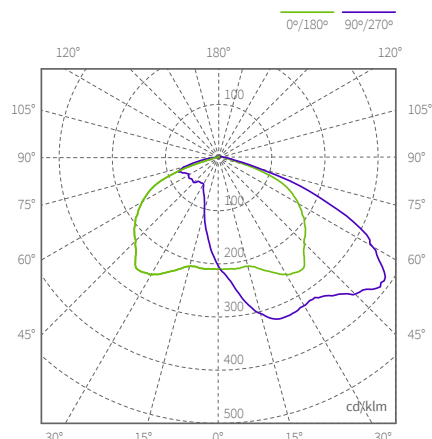
In ATP we don't work with theoretical data.
We offer real photometric data to our customers,
measured in our Photometric Laboratory following
the strict guidelines for LED luminaires of the
Spanish Lighting Committee

Cónica TLA

ATP lighting
10 YEAR WARRANTY
IMMUNE TO CORROSION
STREET LIGHTING

A4 Wide Asymmetric LED

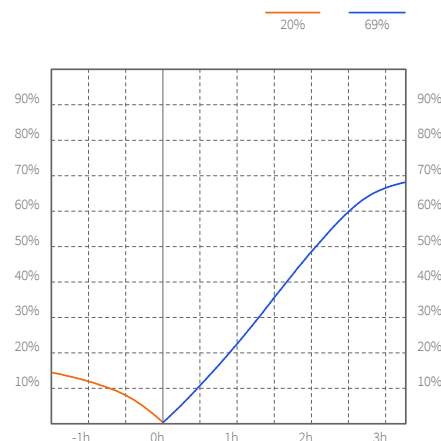
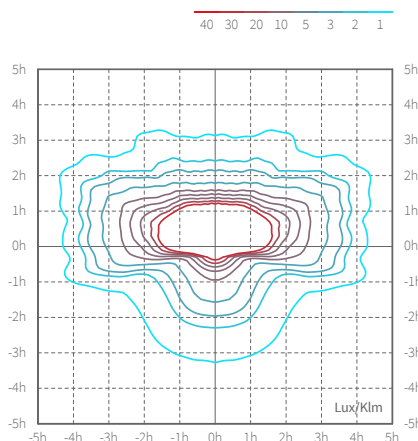
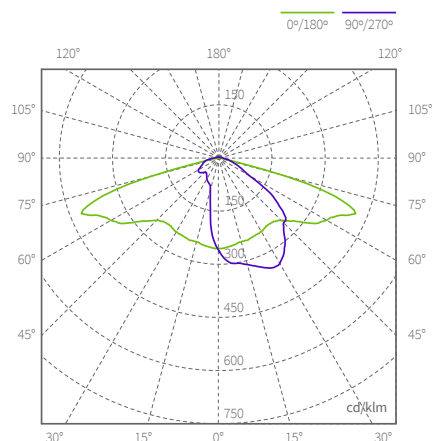
LED 35 LED 55 LED 75 LED 100



Diagrams correspond to:
LED55

A5 Long Asymmetric LED

LED 35 LED 55 LED 75 LED 100



Diagrams correspond to:
LED55



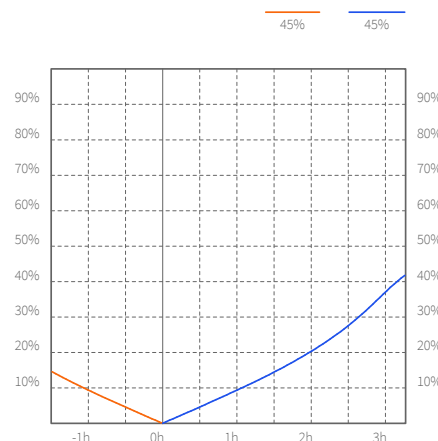
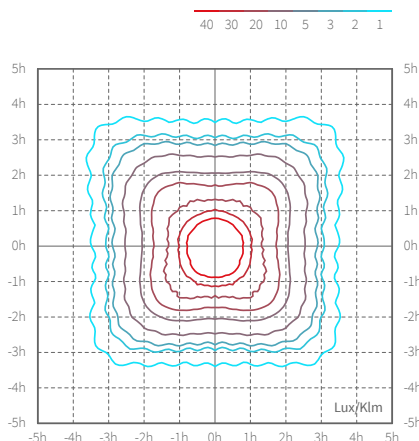
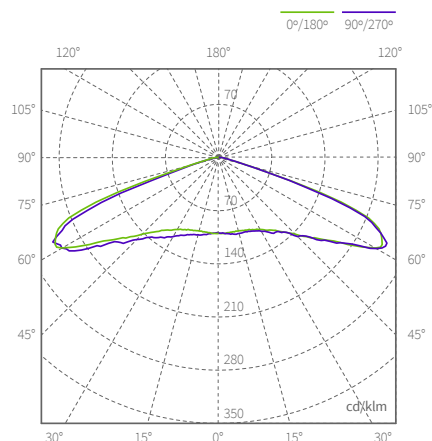
Download files on our
website.

Cónica TLA

ATP lighting
10 YEAR WARRANTY
IMMUNE TO CORROSION
STREET LIGHTING

S2 Square
Symmetric LED

LED 35 LED 55 LED 75 LED 100



Diagrams correspond to:
LED55

.LDT .IES

Download files on our
website.

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 do not have planned obsolescence.

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



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