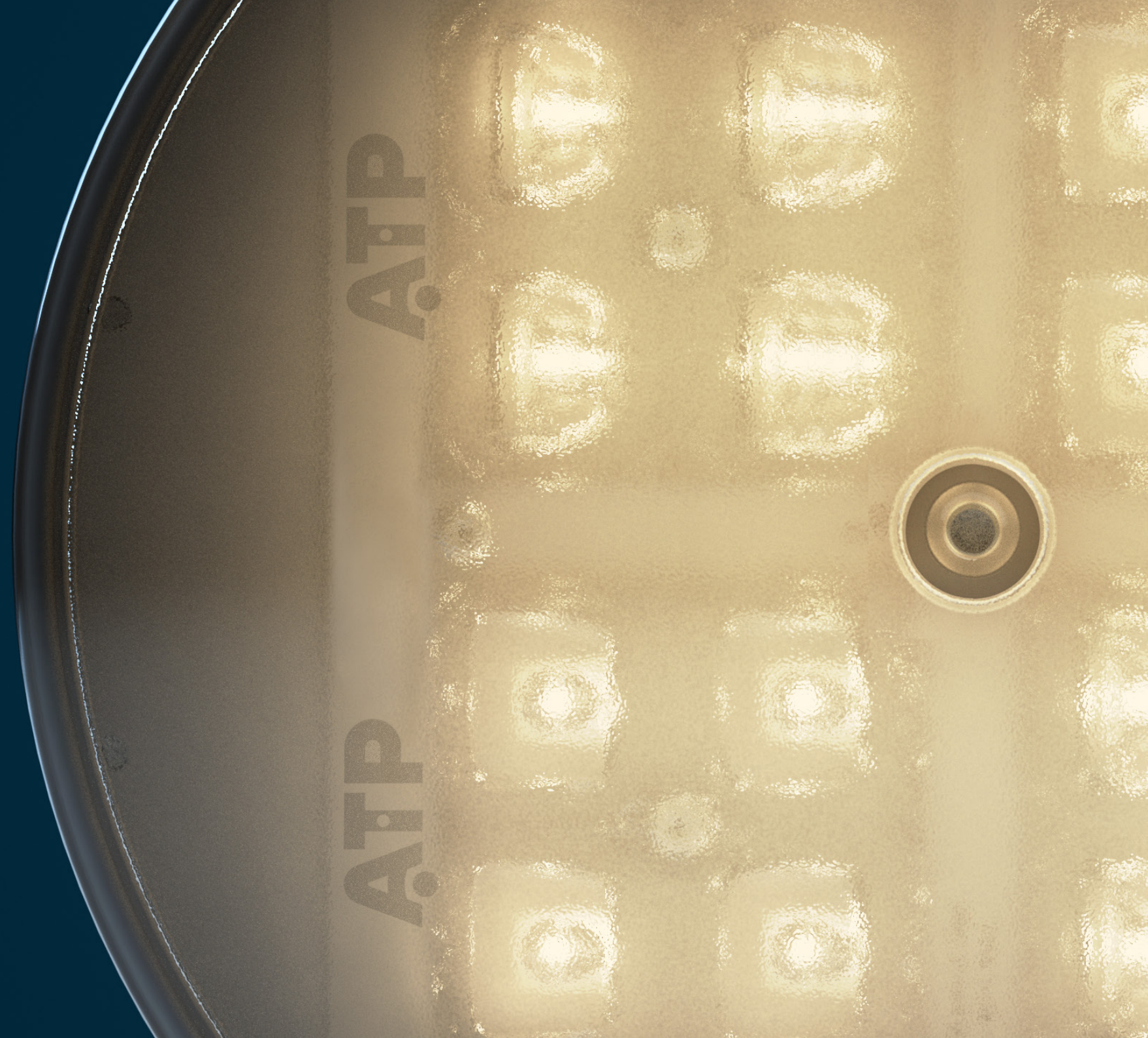**ATP**

lighting

KitLED®
LED upgrade system

KitLED®

The easiest, fastest and most economical way to upgrade any light fixture from any manufacturer to our state-of-the-art LED technology.

La Taconera Gardens (Pamplona • Navarra • Spain)

KitLED® M • 75 W dimmed to 65 W in areas where permitted • 2200 K • CRI >70 • Energy savings: 60%

Available in two sizes (models S and M)

The KitLED® is available in two convenient sizes to suit the needs of any light fixture or project. The S model has a diameter of 198 mm, a width of 95 mm and a height of 198 mm, while the M model has a diameter of 281 mm with a width of 105 mm and a height of 281 mm.

281 mm

198 mm

KitLED®
S

KitLED®
M

The only Class II
kit on the market

To obtain the Class II level, the KitLED® has an insulating polymeric tray that separates the LED light source from any metal part of the light fixture in which it is installed. This feature eliminates the danger of electrocution and makes it possible to dispense with earthing, which is the main entry path for atmospheric surges.
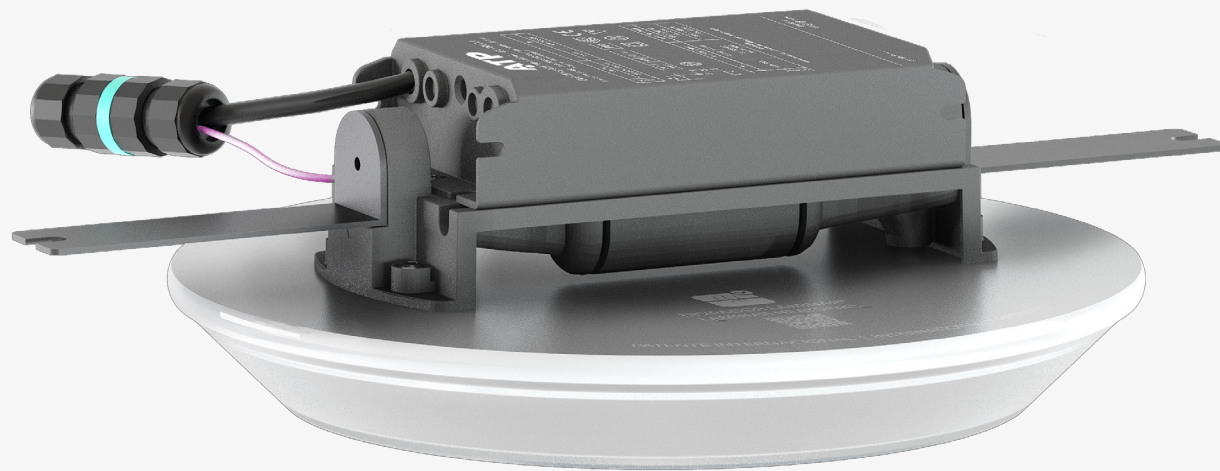
Comfort
Diffuser®

Specially designed to mitigate the glare produced by LED lights without reducing their exceptional performance or affecting photometry. This diffuser has been carefully developed to provide a more pleasant light and ensure visual comfort for road users.
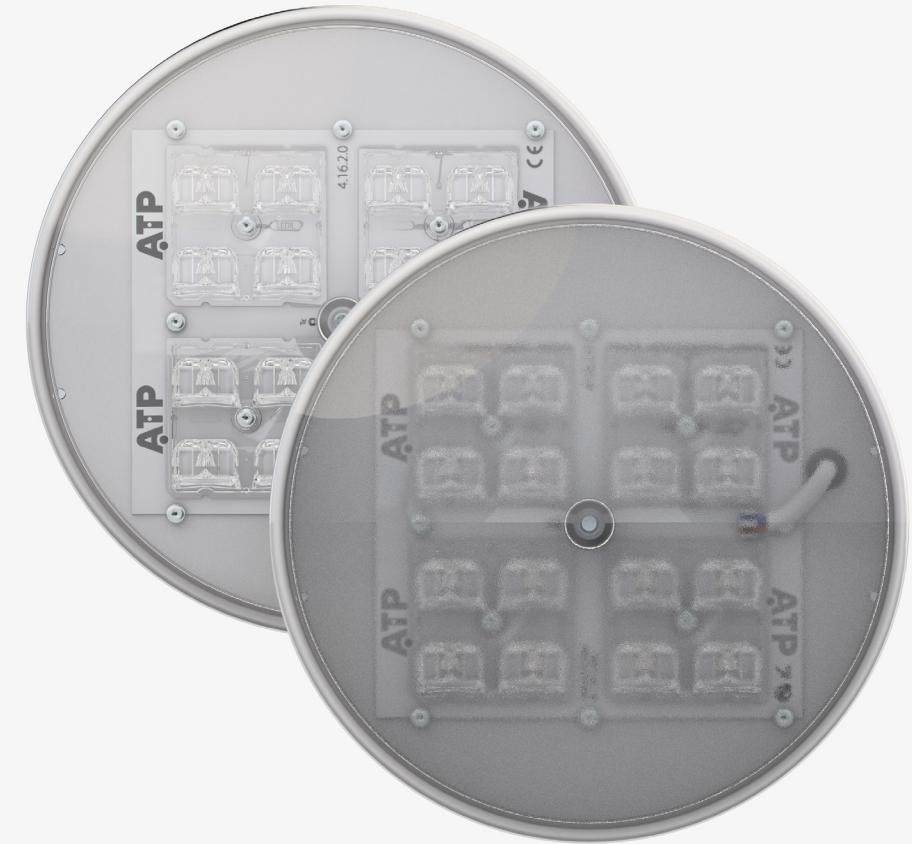
Laminar Heatsink®

This heatsink provides outstanding heat transfer and extends the life of LED light fixtures. It is made of a special alloy for naval applications which is anodised and has greater resistance than the injected aluminium usually used in the sector. It can withstand the most extreme climates.

LED temperature

-21 %

Service life

+27 %

IK10+: Much more than vandal-proof

The KitLED® passes impact tests in excess of 50 joules, which is more than double the maximum degree of mechanical resistance, IK10, certified by the international standard IEC 62262 (20 joules).
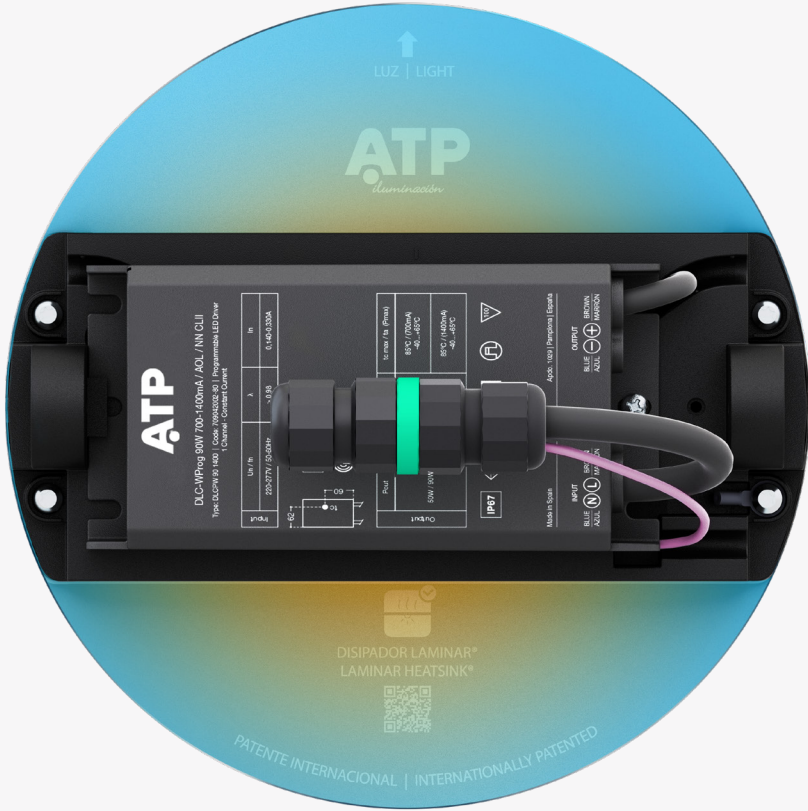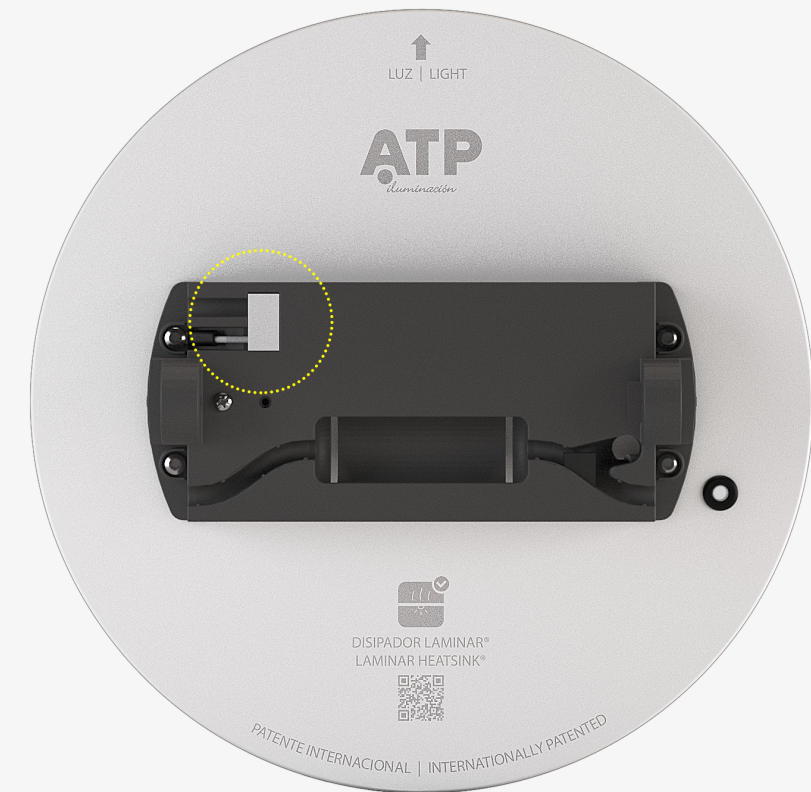
IP66+: Totally hermetic

Precise sealing and rigorous quality control ensure the hermetic closure of the device even in the most extreme climates. This feature guarantees that the entire enclosure is protected against the ingress of liquids and particles.

Electrostatic discharge protector

The KitLED® includes an electrostatic discharge protector as standard to ensure a stable internal voltage and thus prolong its service life.

LUZ | LIGHT

ATP
Iluminación

DISIPADOR LAMINAR®
LAMINAR HEATSINK®

PATENTE INTERNACIONAL | INTERNATIONALLY PATENTED

Adaptable fastening

The KitLED® has a fully adjustable coupling system that allows it to be easily and securely attached to any light fixture from any manufacturer.
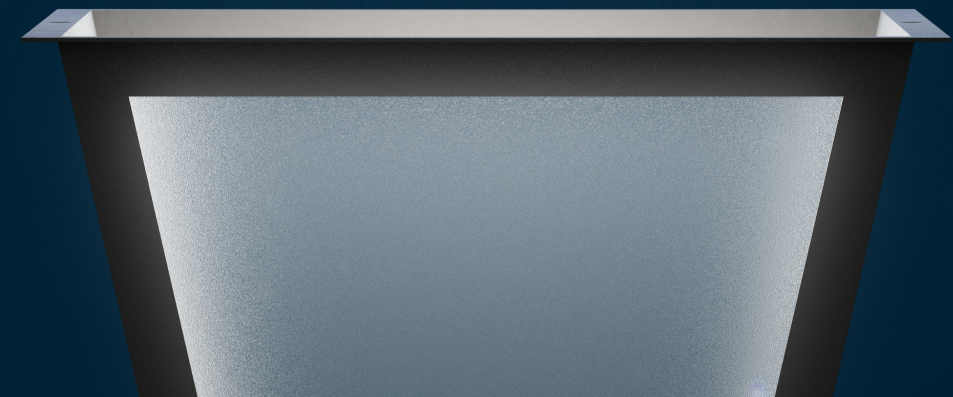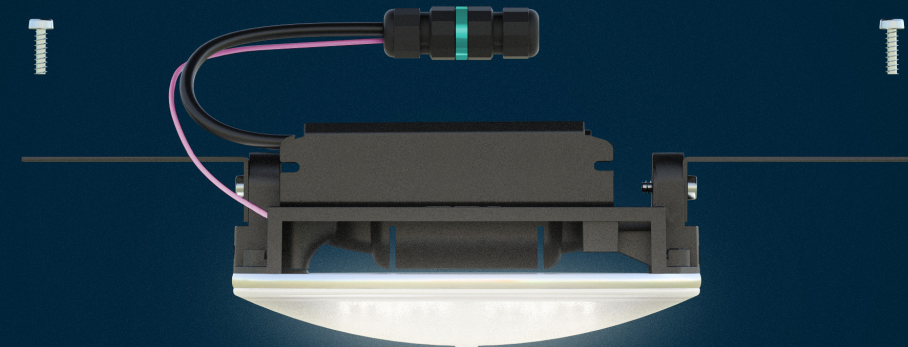
IP68 connector plug & play

The IP68 plug & play water and dust-tight tubular connector allows for quick and safe installation of the device. Simply plug it into the power supply and the KitLED® is ready to go. It eliminates any possibility of electrocution.

Colour temperature

The KitLED® can be supplied in PC Amber, 1800 K, 2200 K, 2700 K, 3000 K and 4000 K. ATP recommends the ultra warm 2200 K correlated colour temperature (CCT) for most street lighting applications. This CCT combines a high CRI (>70) with a spectral radiant flux below 440 nm of only 1.3%, which helps mitigate light pollution.
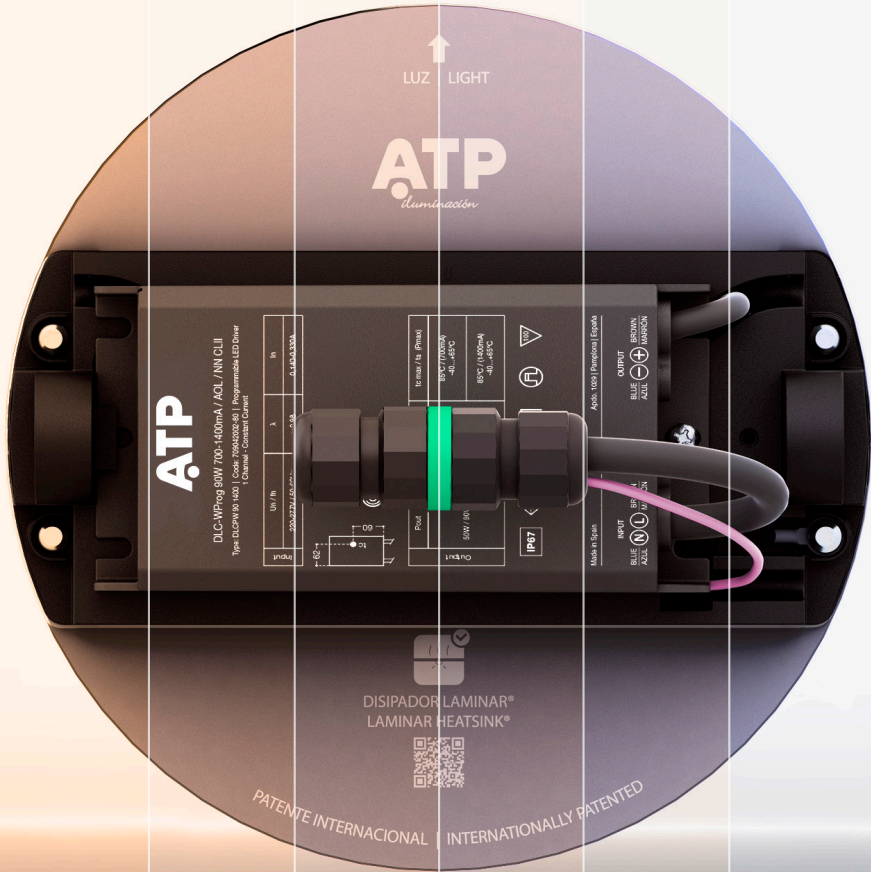
Customisable optics

The lenses are distributed in independent modules with different optical designs that can be combined with each other in multiple ways to achieve the light distribution that best suits the project.

		KIT LED S		KIT LED M					
		Comfort Diffuser®	Transparent diffuser	Comfort Diffuser®			Transparent diffuser		
		34 W	34 W	35 W	55 W	65 W	35 W	55 W	65 W
A4	Flow (lm)	5050	5050	5665	7575	9024	5665	7575	9024
	ULOR (%)	2.13	0.3	2.42			1.51		
	Performance (%)	88,.3	91.04	87.11			89.32		
	Efficiency (lm/W)	126.39	130.2	124,.0			127.66		
A5	Flow (lm)	5021	5021	5633	7531	8972	5633	7531	8972
	ULOR (%)	2.09	0.5	3,.7			1.36		
	Performance (%)	89.13	91.52	84.82			89.67		
	Efficiency (lm/W)	126.65	130.4	120,.2			127.42		
A7	Flow (lm)	4870	4870	5463	7305	8702	5463	7305	8702
	ULOR (%)	3.33	1.1	4.06			2.62		
	Performance (%)	86.58	90.47	82.17			88.69		
	Efficiency (lm/W)	119.33	124.69	113.26			122.24		
S2	Flow (lm)	5067	5067	5684	7599	9053	5684	7599	9053
	ULOR (%)	3.9	0.75	4.06			1.74		
	Performance (%)	86.93	90.55	80.52			88.95		
	Efficiency (lm/W)	124,64	129,.3	115.45			127.53		
A12	Flow (lm)	5008	5008	5618	7511	8948	5618	7511	8948
	ULOR (%)	-	-	3.48			2.13		
	Performance (%)	-	-	83.83			90.51		
	Efficiency (lm/W)	-	-	118.80			128.7		
Empty weight		1.3 kg	1.3 kg	2.5 kg			2.5 kg		
Surface in wind		305 cm²	305 cm²	620 cm²			620 cm²		

Technical specifications

- LED module installed on Laminar Heatsink® (patented heat dissipation system).

- Programmable electronic equipment and electrostatic discharge protector (ESD).

- Electrical insulation level of the kit: Class II according to Standard IEC 60598.

- Transparent polymer/Comfort® diffuser high impact tropicalised T5 stabilised against UV radiation.

- Degree of protection of the entire enclosure, including the optical assembly: IP66 according to Standard IEC 60598.

- Connection system by means of IP68 watertight connector according to EN 60998.

- Screws with ZN NI treatment, sealing of 8-15 microns.

- Photometric information in American (IES) or European (LDT) electronic format of the KitLED® integrated in existing light fixtures.

- Colour temperatures available as standard:1800 K | 2200 K | 2700 K | 3000 K | 4000 K | PC Amber.

- Colour Rendering Index (CRI): >70 (except PC Amber).

- High power LED light source. Lifetime of the installed KitLED®: 100 000 hours operating at an average ambient temperature of 25 °C.

- Operating temperature range from -30 °C to 35 °C.

- LED module longevity: L90B10 (estimated LED life with flux depreciation of less than 10% and 10% maximum of deteriorated LEDs) >100,000 hours at 25 °C ambient temperature and pilot currents of 700 mA or less.

- Real luminous efficacy considering the flux emitted by the LED module of the kit and the total consumption of the same: 125 lm/W (at 700 mA model LED55 A5).

- Nominal input voltage range: 220~240 VAC.

- Line frequency: 50/60 Hz. Power factor: ≥0.95 (to 230 VAC). THD (at 230 VAC) <10%.

- LED pilot current: constant current.

- Programmable electronic equipment.

- Dynamic regulation system throughout the night with the possibility of setting up to five (5) power levels.

- Maintenance of the power factor above 0.9 when regulated at 60% (at 220 VAC). ENEC certified electronic equipment.

- 6 kV/3 kA surge protection in accordance with IEEE C62.41.2.

- Manufacturer's certificate of compliance with ISO 9001, ISO 14001 and ISO 45001.

10-year warranty

The only company with a 10-year full warranty, from the first unit and at no additional cost.

Only ATP can offer a true 10-year warranty even in extreme conditions of humidity, temperature and salinity.

BEFORE

NOW

La Taconera Gardens (Pamplona · Navarra · Spain)
HPS · 100-150 W · 2000 K · CRI 20 · Average uniformity: 30%

La Taconera Gardens (Pamplona · Navarra · Spain)
KitLED® M · 75 W dimmed to 65 W in areas where permitted · 2200 K · CRI >70
Average uniformity: 55% · Energy savings: 60%

Siurana · E1 protected area (Cataluña · Spain)

KitLED® S · 17 W · PC AMBER · ULORinst <1 · Radiant flux below 500 nm wavelength 0,73%

KitLED® upgrade kit for ATP light fixtures

Upgrade any ATP light fixture with a discharge lamp to our state-of-the-art LED technology with a Laminar Heatsink® and customisable optics. The KitLED® for ATP light fixtures are custom-designed to fit each model with maximum precision. Upgrading to our LED technology allows us to achieve savings in consumption of up to 90%, incorporate power regulation with remote management options, and reduce light pollution.

Service life of 100,000 hours

The excellent thermal management of our Laminar Heatsink® increases the light fixture's service life to 100,000 hours (25 years, taking into account the average daily operating time of public lighting in Spain).

Optimised consumption

The programmable devices integrated in the KitLED® allow the power to be adjusted according to the operating timetable and include remote management options to obtain the required lighting with the lowest consumption.

Customisable optics

The lenses in our systems are distributed in independent modules with different optical designs that can be combined with each other in multiple ways to achieve the light distribution that adapts to the project requirements.

Alpha
Series

The kit contains:

1x Laminar Heatsink®
1x LED kit

Power levels available

34 W

Available optics

A4   A5

A7   A12

S2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K

Circular Classics
Series
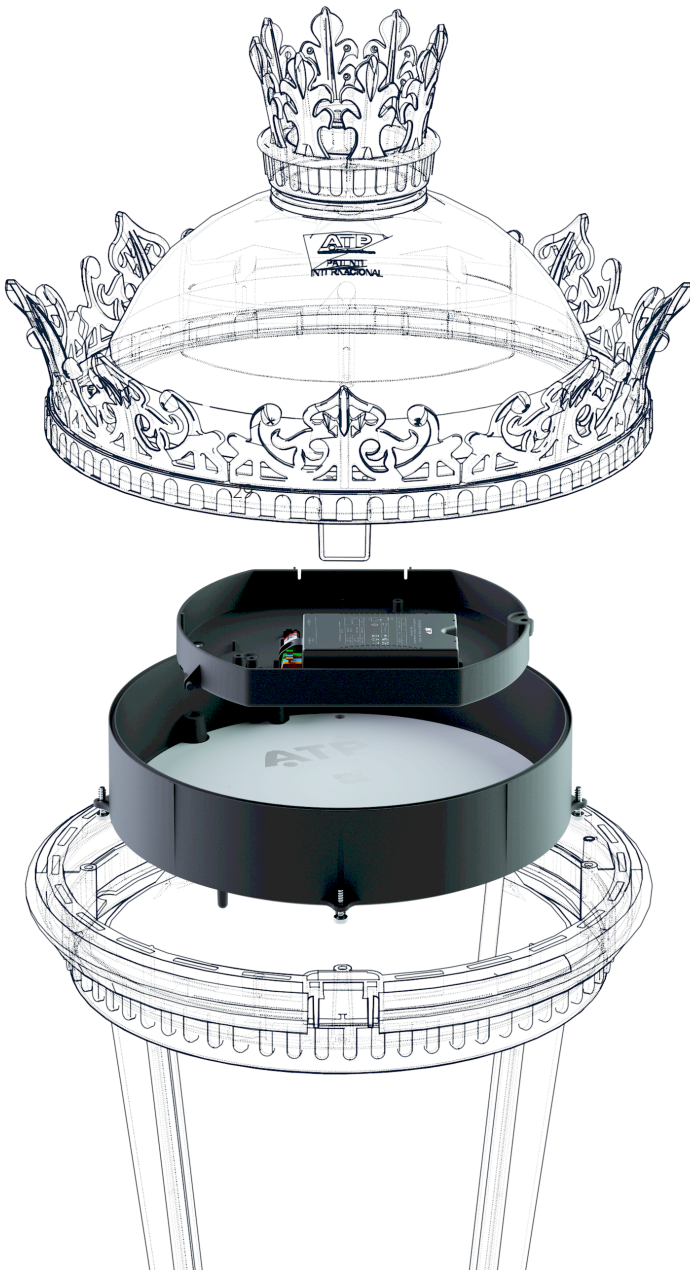
The kit contains:

1 x Laminar Heatsink®

1x LED kit

Power levels available

15 W   25 W

35 W   55 W
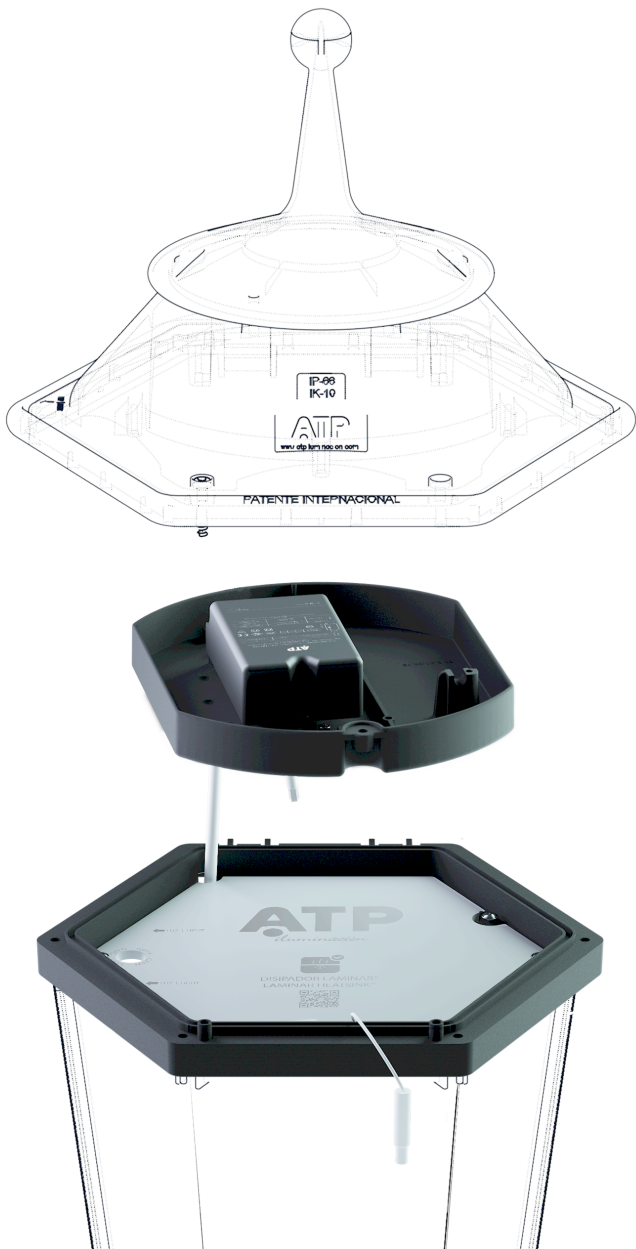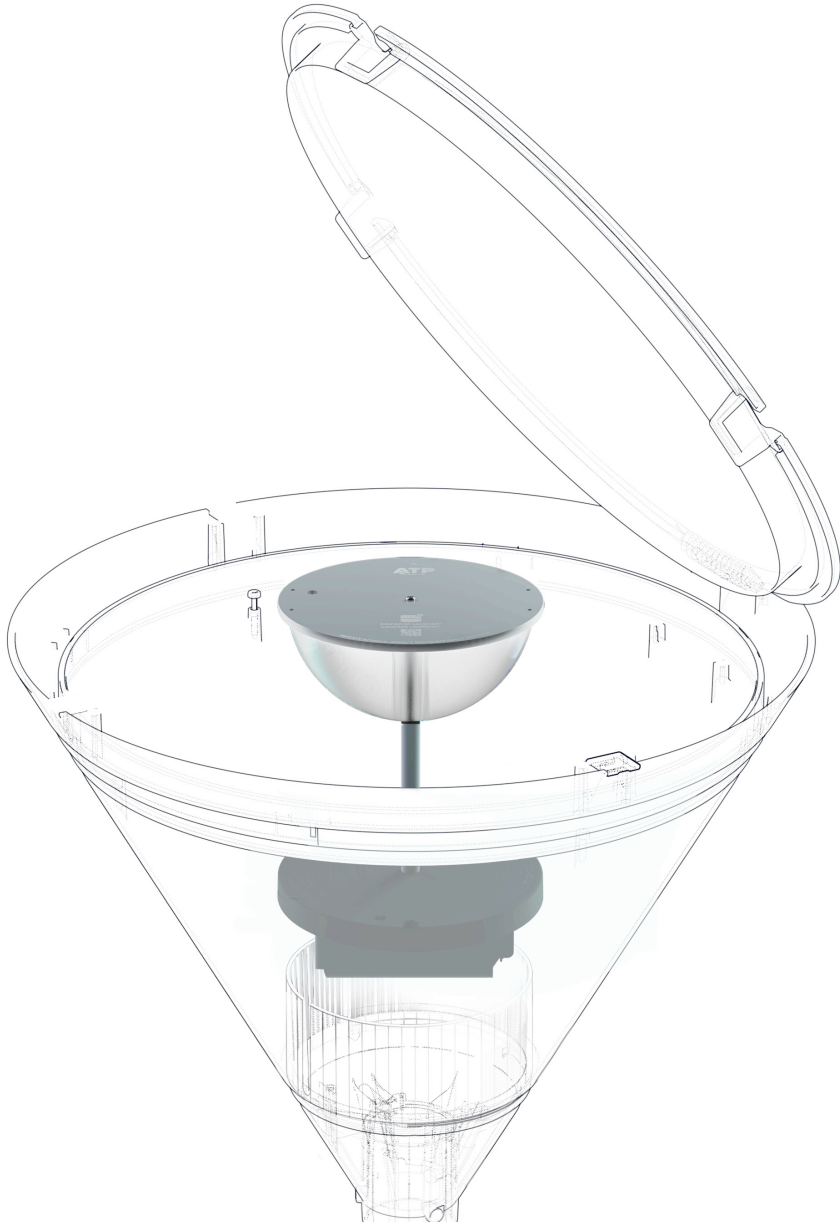
75 W   100 W

Available optics
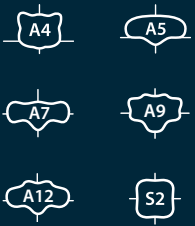
A4   A5

A7   A9

A12   S2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K

Square Classics Series
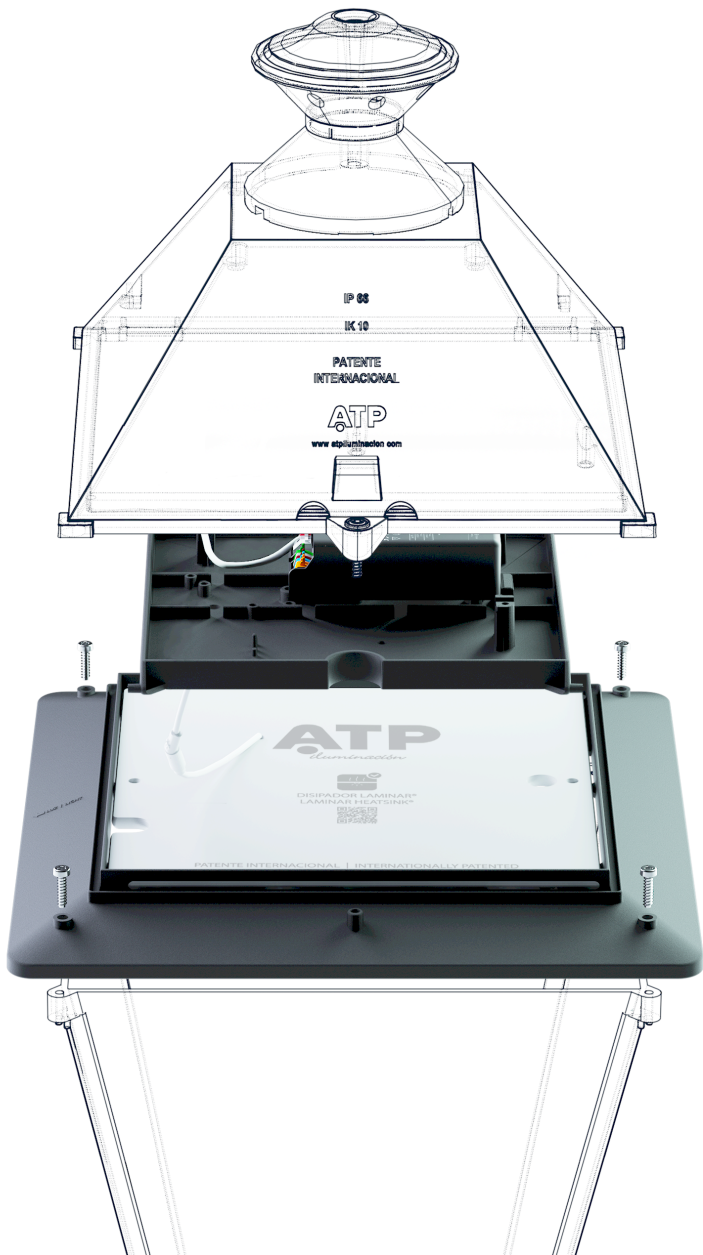
Hexagonal Classics Series

Cónica Series

Retrofit for louvre reflector
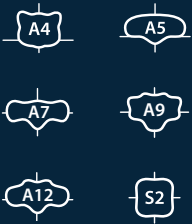
Cónica Series

Retrofit for optical block and integral block
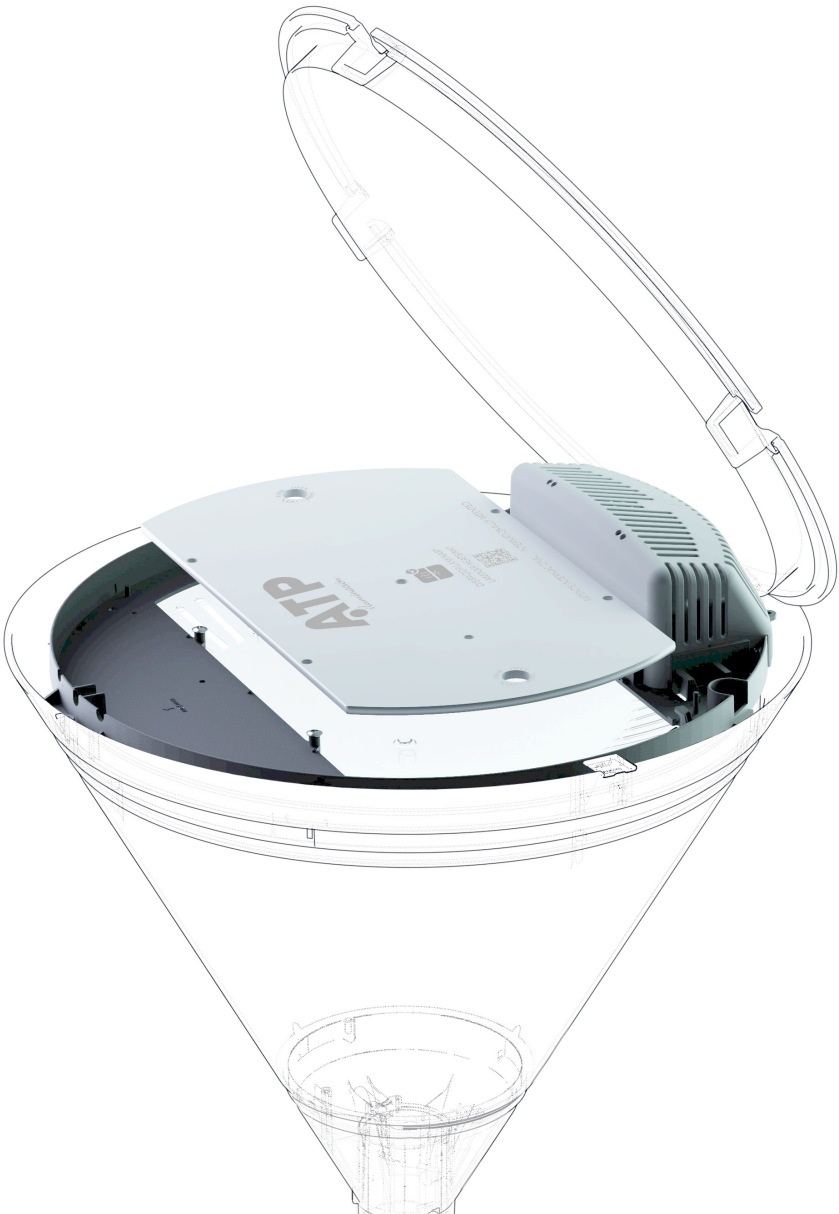
The kit contains:

1x Laminar Heatsink®

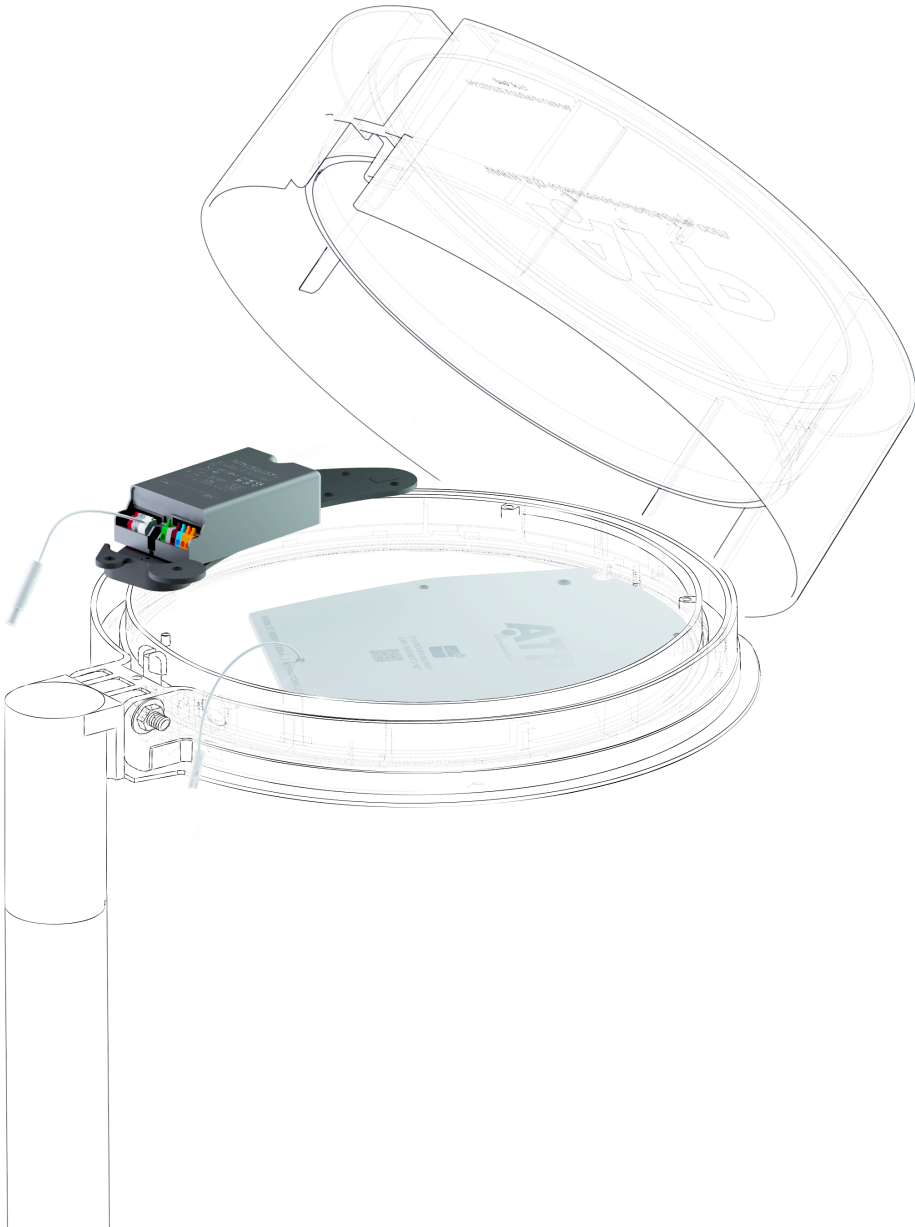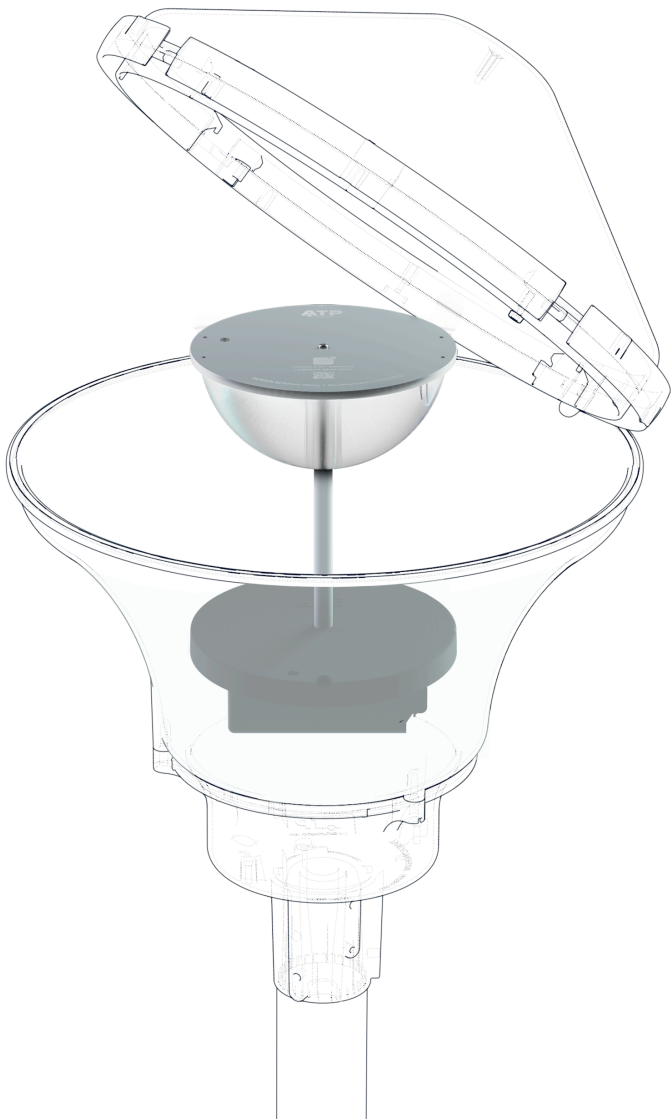1x LED kit

Power levels available

(15) W   (25) W

(35) W   (55) W

(75) W   (100) W

Available optics

A4	A5
A7	A9
A12	S2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K

Croma Series

Enur Series

The kit contains:

1x Laminar Heatsink®

1x LED kit

Power levels available

15 W	25 W
35 W	55 W
75 W	100 W

Available optics

A4	A5
A7	A9
A12	S2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K
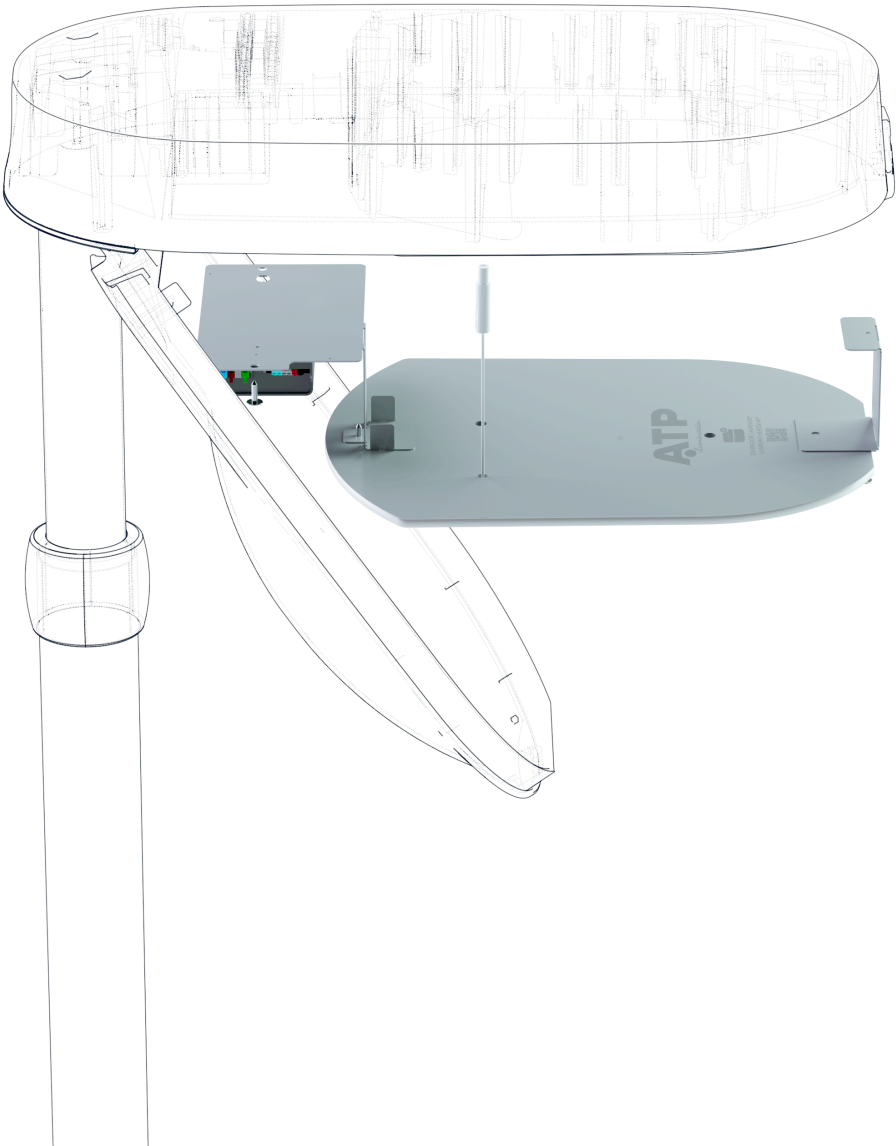
Evolución Series

The kit contains:

1x Laminar Heatsink®

1x LED kit

Power levels available

15 W   25 W

35 W   55 W

75 W   100 W

Available optics

A4   A5

A7   A9

A12   S2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K

Funcional Series

The kit contains:

1x Laminar Heatsink®
1x LED kit

Power levels available
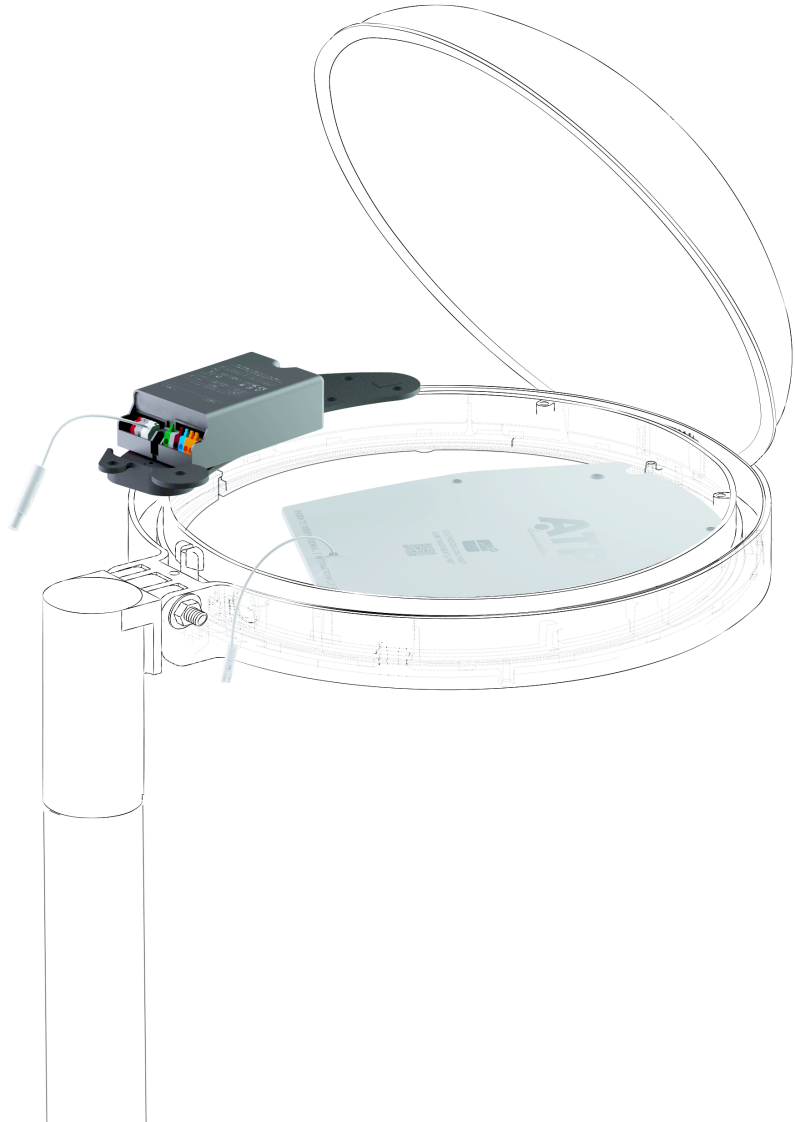
34 W

Available optics

A4   A5

A7   A9

A12   S2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K

Metrópoli Series

Orión Series

The kit contains:

1x Laminar Heatsink®

1x LED kit

Power levels available

35 W   55 W

75 W   100 W

120 W   145 W

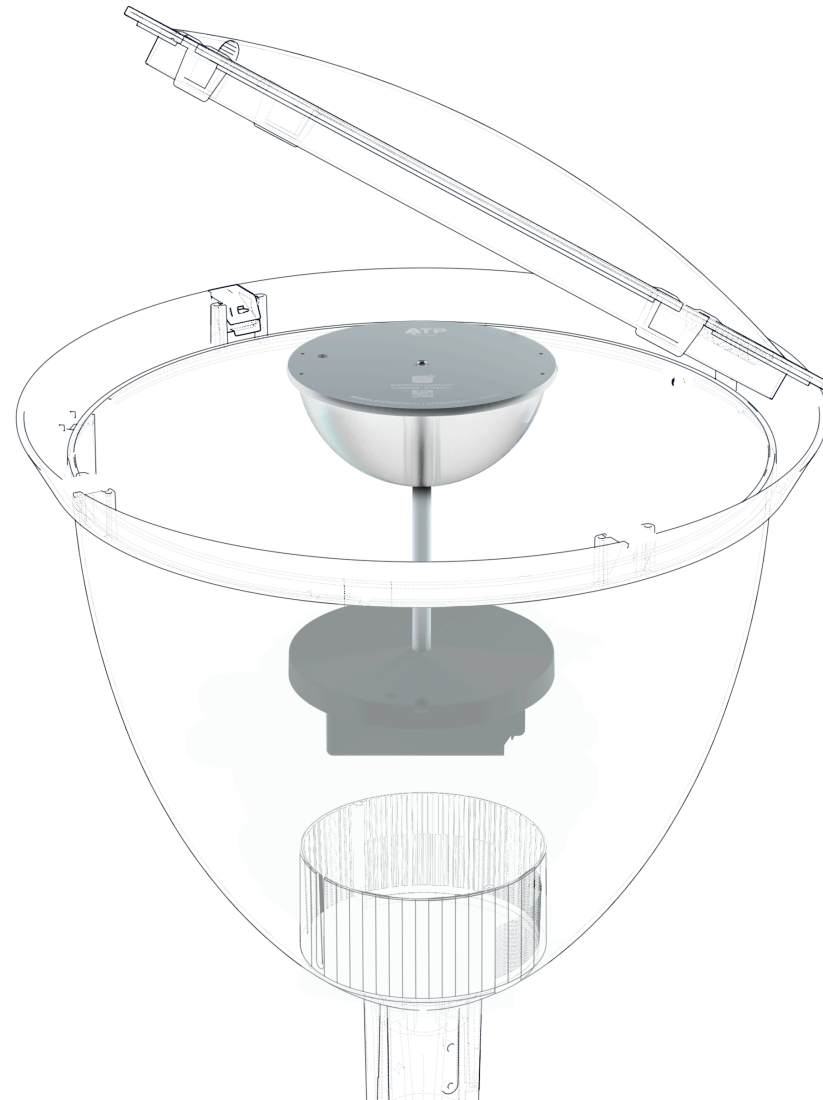**Available optics**

A4   A5

A7   A9

A12   S2

P1   P2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K

Venus
Series

Retrofit for louvre reflector

1x Laminar Heatsink®
1x LED kit

Power levels available

34 W

Available optics

A4   A5

A7   A9

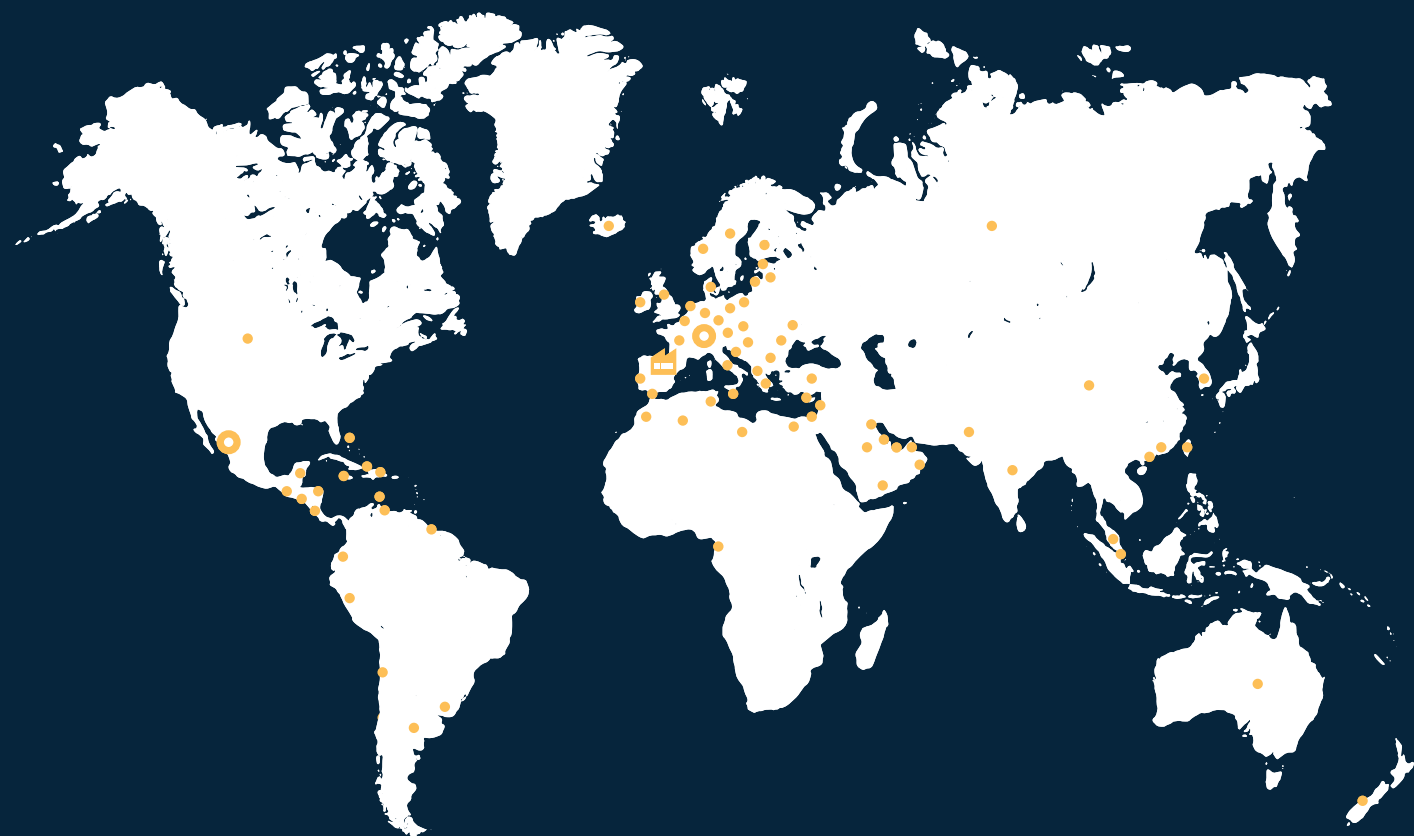A12   S2

Colour temperatures

PC AMBER	1800 K
2200 K	2700 K
3000 K	4000 K

Factory **Branches** **Exports**

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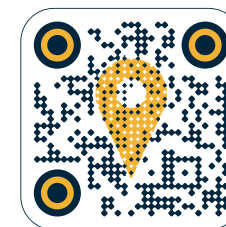Tel. (+34) 948 330 712
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