

espica ✨



ELECTRA

High power for
you projects.

espica 



Electra

**Solid design,
excellent performances**

Electra is the perfect range for lighting large outdoor areas, car parks, tunnels and underpasses. Thanks to its essential shapes and excellent **heat dissipation system**, Electra operates in a power range **from 35 to 200 Watt without losing performance** in terms of delivered lumen.

The Electra family features a compact and contemporary design, **color temperatures from 3000K up to 6500K and a high luminous efficiency**. Equipped with standard power supply with precise current control, high power factor and low harmonic distortion, Electra can be equipped with different types of optics, configuring itself as **the perfect tool for lighting large outdoor environments**.

ELECTRA 4

ELECTRA 1



Electra family.

The new lighting tools

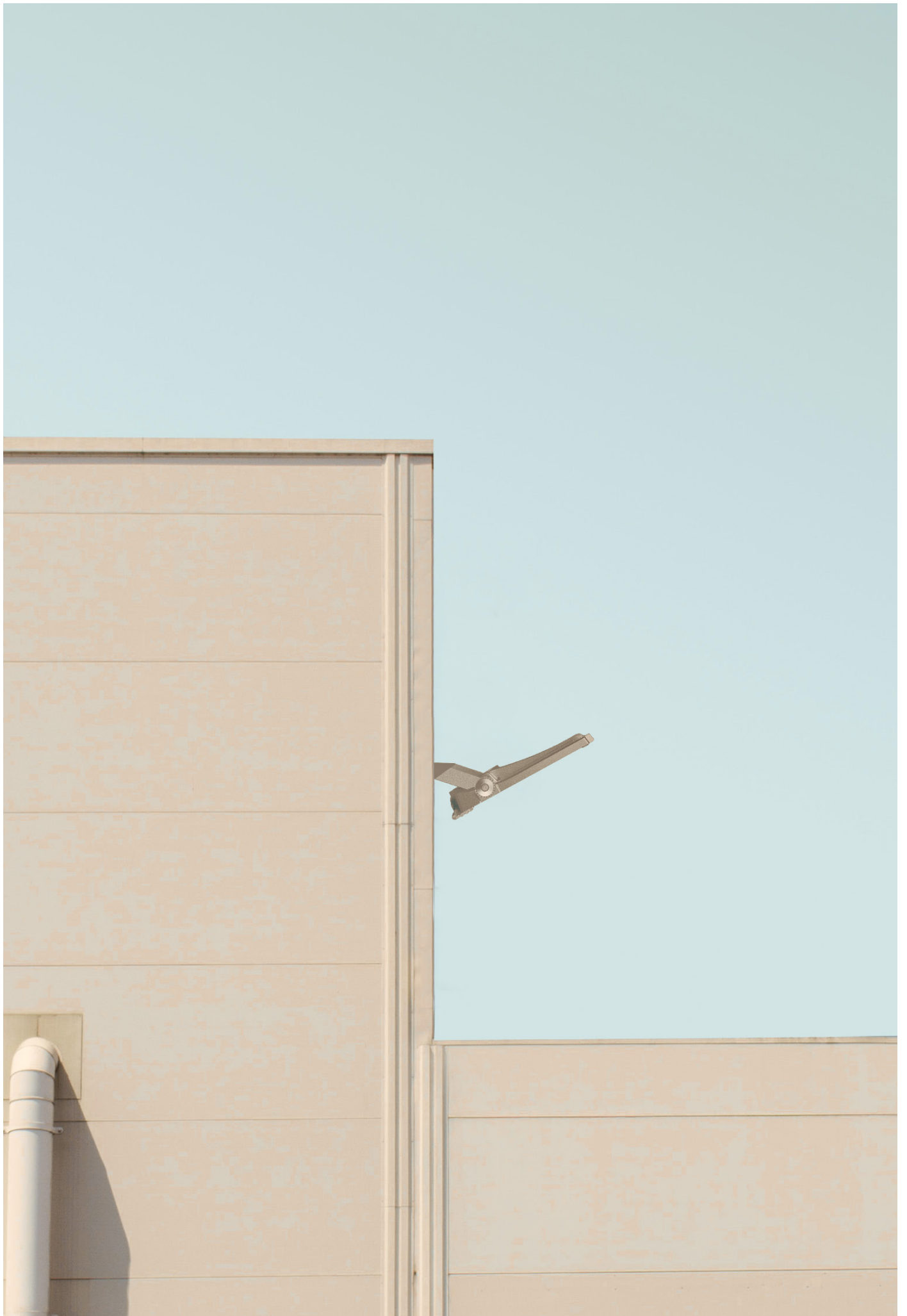
ELECTRA 2

ELECTRA 3



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THE FAMILY OVERVIEW

Designed to illuminate and enhance outdoor spaces with an unprecedented combination of **durability, resilience, and cutting-edge LED technology**, Electra projectors will transform your outdoor areas into **captivating and secure environments**, ready to withstand any weather conditions. The Electra projectors are the result of years of **research, development, and innovation** in the field of outdoor lighting. The result is a product with high-quality materials and a robust construction that enables them to withstand the harshest weather conditions and environmental factors. Thanks to state-of-the-art LED technology, Electra projectors deliver **exceptional brightness with reduced energy consumption**. You can efficiently and eco-friendly illuminate your outdoor spaces, **saving on long-term energy costs**.

The family overview.

High degrees of IP protection, dedicated powers and a robust design.

9000

PARKING AREAS

Parking areas of all sizes, where visibility and security is needed at all hours of the day and night.

6000



SPORT AREAS

Large spaces, sports fields and airports where it is necessary to bring light from great heights

3000

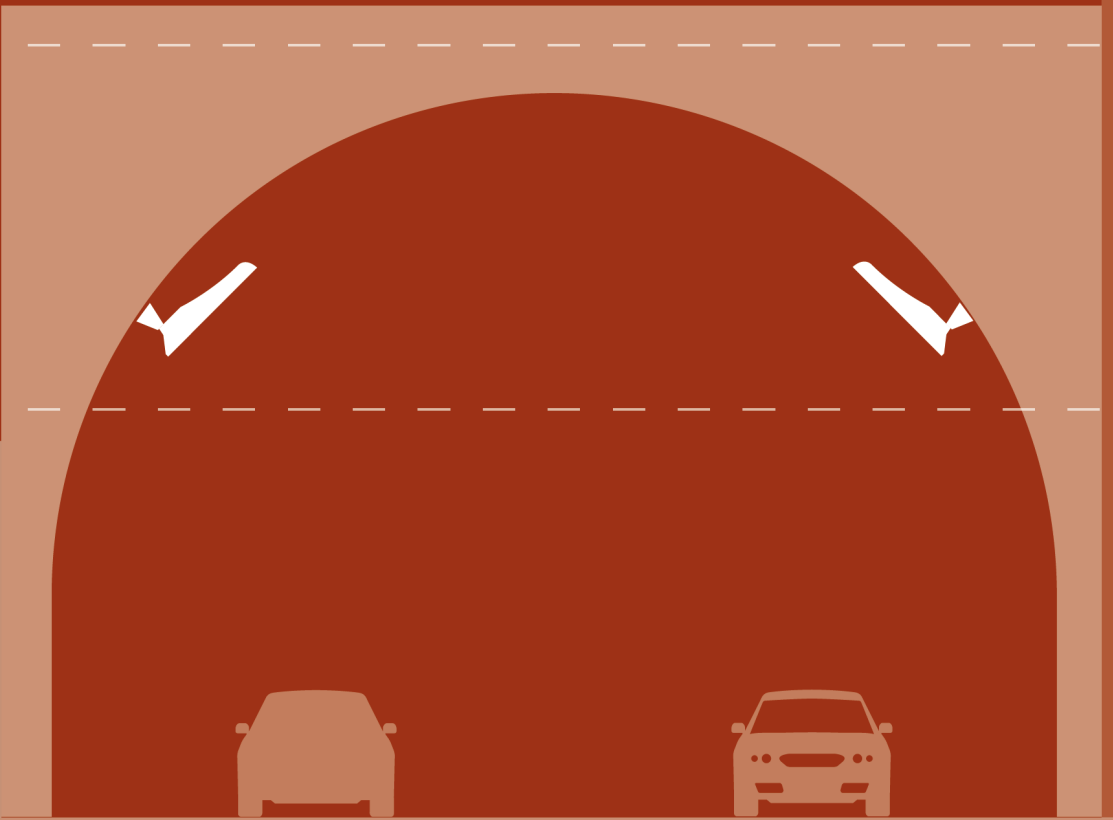
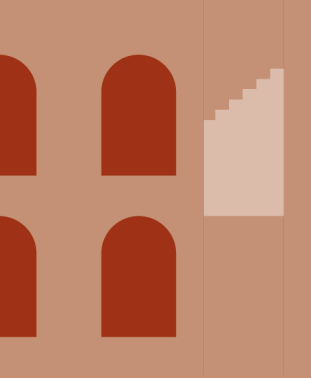


FLOODLIGHT

High towers, facades and vertical surfaces. In this case a large, powerful electric light is used for lighting outside areas, such as sports fields or buildings.

TUNNELS

Tunnels and road crossings where it is necessary to bring a precise and controlled light according to the regulations



this graph represents some possible installations that the Matrix range offers, the measurements are expressed in mm.



Easiness and versatility

Electra is designed to offer different installation solutions and ease of use

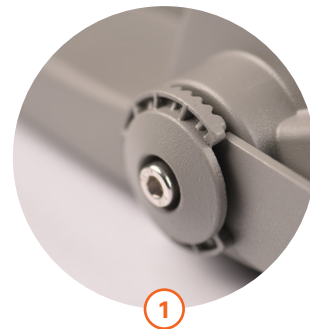
Electra is the professional outdoor projector.

Resistance to weather conditions and **high-quality materials** ensure superior durability in any climate.

Electra's premium finishes add elegance to the environment without compromising functionality. Easy and **quick installation** thanks to the intuitive and ergonomic design.

The adjustable and orientable mounting arm provides **flexibility** in light projection.

A cutting-edge solution that combines resilience, aesthetics, and user-friendliness. illumination.



WEATHER TIGHTNESS

Lighting large outdoor areas means extreme attention to weathering and possible sources of corrosion for lighting fixtures.

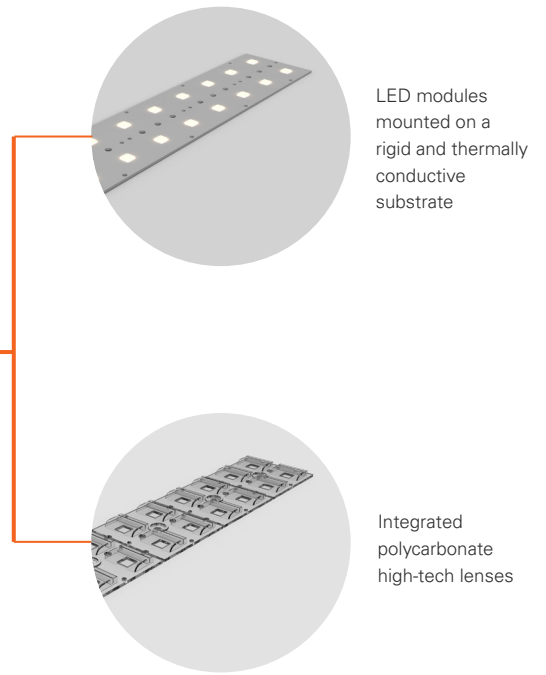
Electra, in this sense, is a perfect solution for all outdoor installations due to its **IP66 rating**, **IK07 impact protection** and tempered glass closing screen.

Optic comfort and performances

Electra uses the best technologies to provide the ideal light beam for each project

Lens system and led modules.

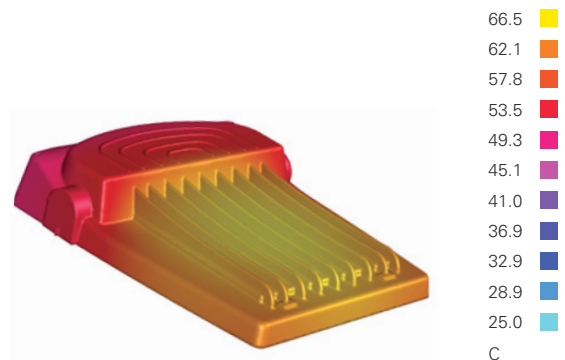
The key to the luminous efficacy of Electra family is undoubtedly the use of a combined system of LED modules and lenses that allow uniform distribution of the light beam, visual comfort and chromatic stability. High Module is the last generation of the Espica led modules based on High-power LEDs to provide the technical requirements of road and urban applications with high efficiency.

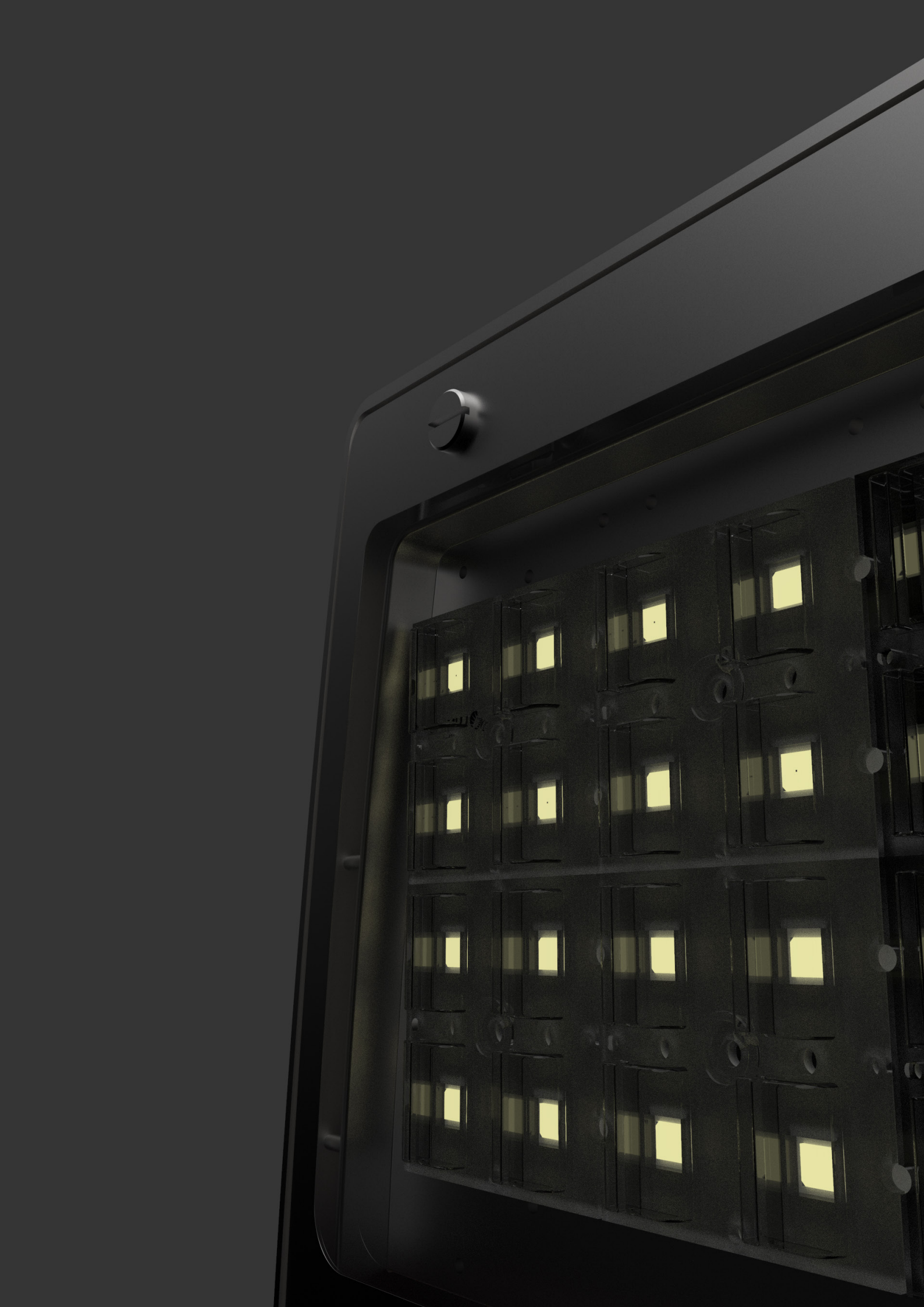


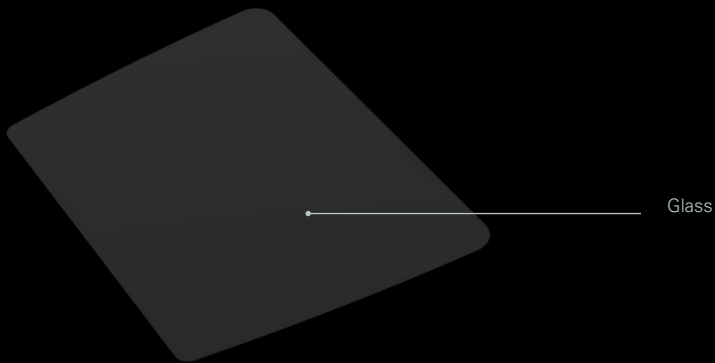
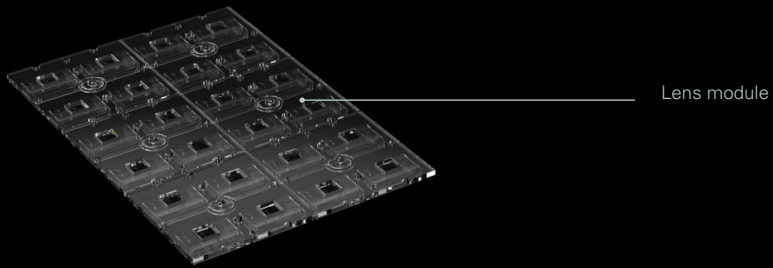
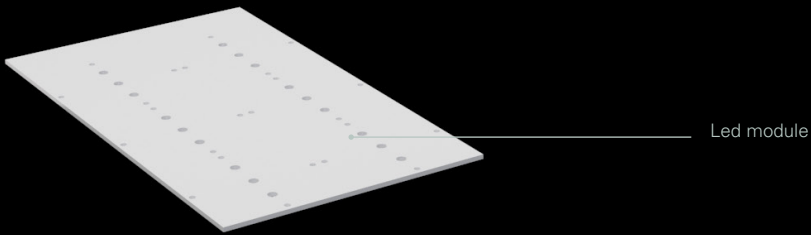
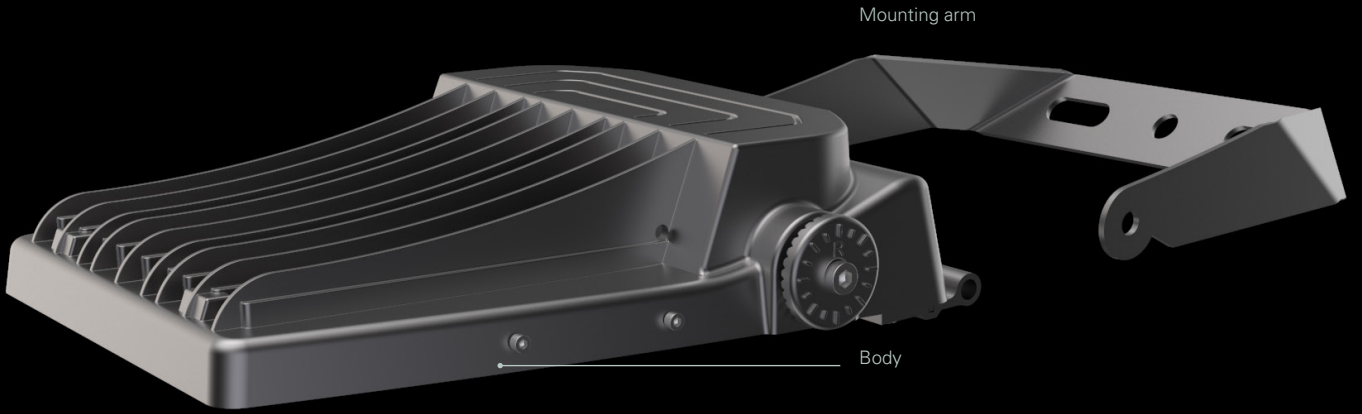
HEATING DISSIPATION

Crucial for the system efficiency, has been properly integrated with the product design.

Electra is equipped with a heat dissipation system able to maintain the **junction temperature low**, extending in this way the life of the light source. We tested the worst-case condition. Thanks to thermographic and fluid-dynamic simulations, we are able to define **the best geometry** for our products in order to maintain a constant LED operating temperature.



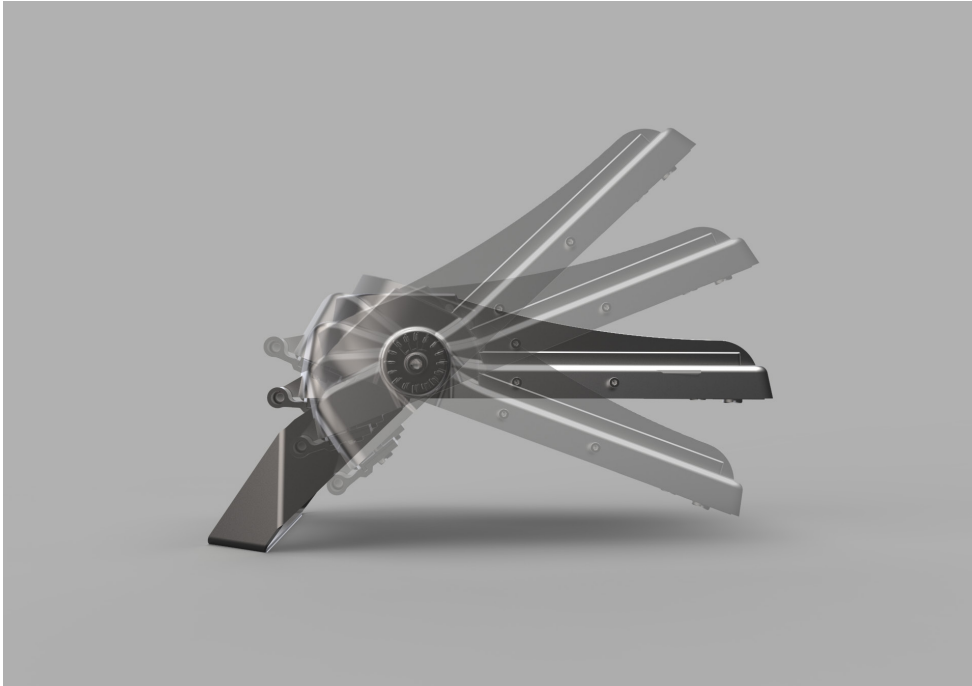




Flexibility in project applications

Different sizes, different rotations

TILTABILITY

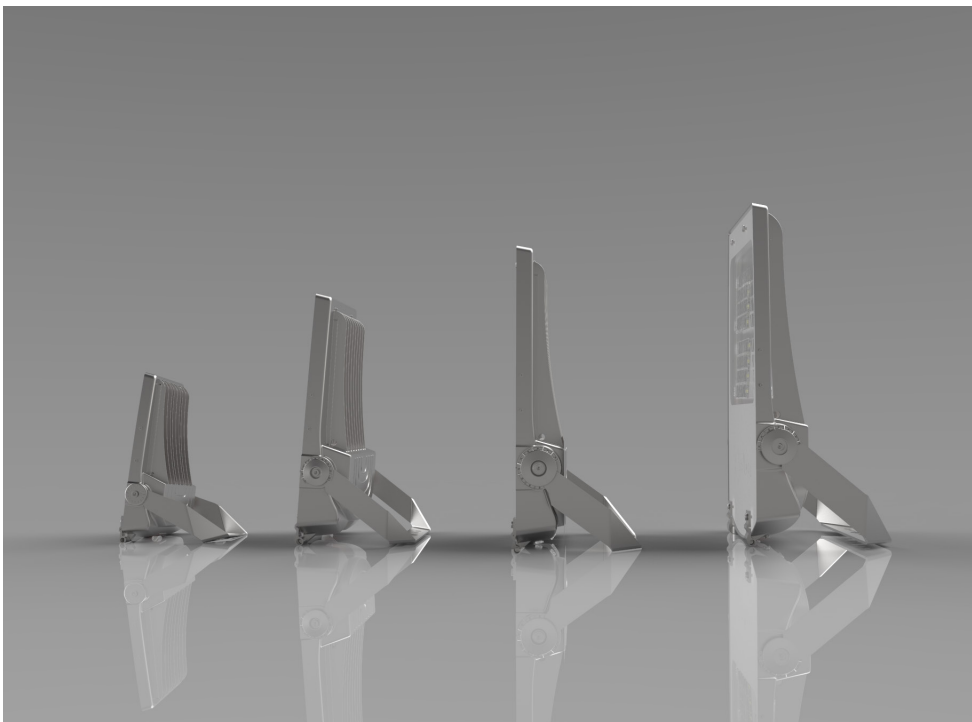


The adjustable mounting arm rotates 45° upward and 45° downward, offering **precise control** for various applications.

Illuminate with **accuracy** and effortlessly direct light where needed, whether

highlighting architectural details or covering expansive areas. Experience the freedom to create captivating lighting effects and shape the ambiance with Electra's exceptional orientability.

A WIDE RANGE



Comprising four products with **varying sizes** but equal powerful capabilities, the Electra range seamlessly adapts to any outdoor space, ensuring **exceptional brightness**.

Illuminate vast areas with the power of Electra 4, or opt for the versatility of Electra 3 for targeted lighting.

Electra 2 and Electra 1 are perfect for more compact spaces, offering both powerful and elegant illumination.

A quick recap.

Four wattages, multiple installation options, infinite possibilities.

- **IP66 / IK07**

High ingress protection and good resistance to corrosion and mechanical stress.

- **-20°C / +50°C**

Operative in a wide range of ambient temperatures and climates. Waterproofing on top.

- **Class I**

- Protection against electric shock **230V**.

- Body in die-cast aluminium with **electrostatic powder painting**.

- Impact resistant window film.

- **4 different finishes:**

- 01 - RAL7037

- 02 - RAL9005

- 03 - RAL9016

- 04 - RAL7024

- Designed according the **highest quality standards** and in compliance with European regulations.

- , High Module

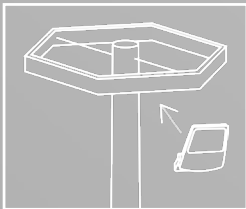
- **Available in all colour**

- **Temperatures** from 2700 up to 6500K

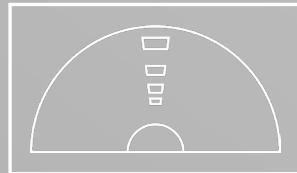
- **10 different type of optics:**

- 10°, 25°, 60°, 90°, Sport lighting, Extra Wide, Tunnel Symmetric, Tunnel Counter, Tunnel Batwing, Tunnel Uni/Bilateral

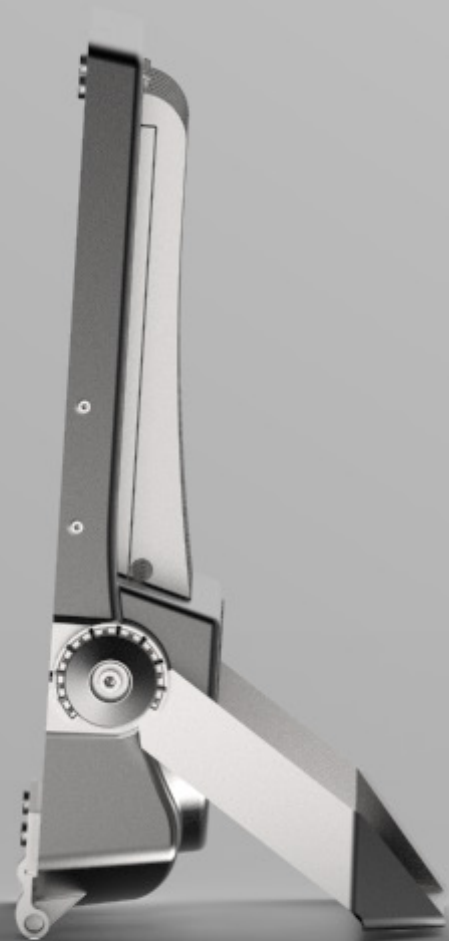
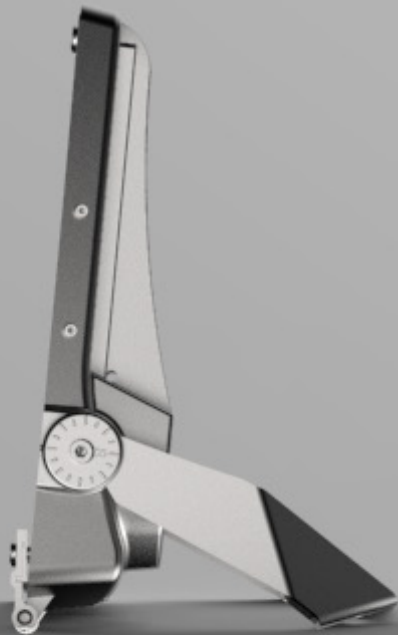
- **CRI 75**

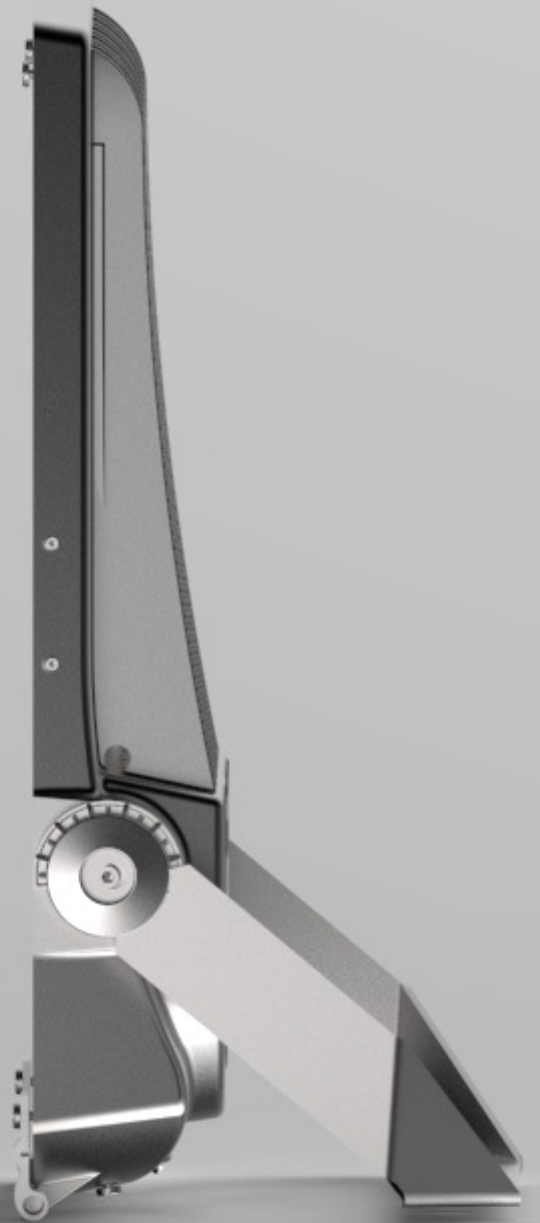
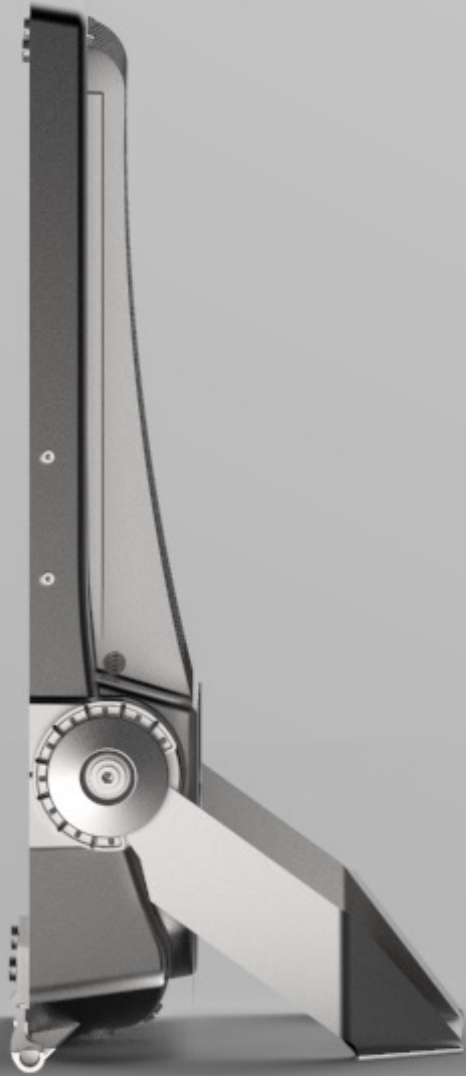


AVAILABLE FOR POLE MOUNTING



SPECIAL TUNNEL OPTICS









**A bunch of
application.**

Sport areas

A solution for sport fields and wide areas

Suitable lighting provides the basis for better and safer sport, whether on small sports fields or on large stages.

The lighting of large sports venues and large areas intended for social services must provide the best possible performance using the least possible amount of energy.

The Electra range combines innovative design with a wide range of optics and a multiple choice of wattages. Minimize the environmental impact of lighting without compromising performance.



POSSIBLE APPLICATIONS

Sport areas

Football pitches

Sport grounds

this graph represents some possible installations that the Electra range offers, the measurements are expressed in mm





LESS GLARING

No reduction in visual performance. The perfect combination between led modules and lenses allows to reduce the contrast in luminance between the surroundings and the glare light source.

Tunnel

The quintessential application for Electra

Each tunnel is different and it is for this reason that the Electra product adapts well to any type of lighting solution for tunnels and underpasses. The maximum flexibility of the system made up of LED modules and the different types of applications guarantee a prompt solution for any type of tunnel. Continuous energy consumption resulting from tunnel lighting has a significant impact, the use of high module leds significantly helps the energy saving process. The innovative control of the luminous flux through dedicated lenses and thanks to the possibility of tilting the modules generates further savings potential.

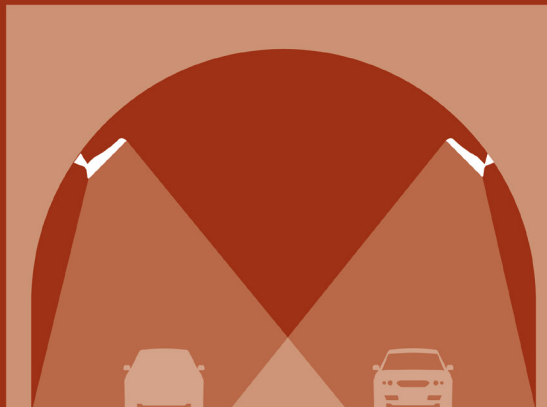
Thanks to these features, it is possible to install fewer light points in each gallery, significantly saving on any type.



POSSIBLE APPLICATIONS

Tunnel lighting

this graph represents some possible installations that the Electra range offers, the measurements are expressed in mm



DIFFERENT VERSIONS

four dimensions, high module leds. an average lamp life of up to 100,000 hours without maintenance, guaranteeing the same brightness intensity at all times and without decay.



Floodlight

Different power for all applications

Regardless of whether you want to illuminate facades, large spaces or illuminate high towers, Electra floodlights always offer the right light distribution for a contrast-rich staging. The outdoor spotlights create light of the same quality as indoor products, using High Module LED technology. It is possible to install Electra even in the most complex contexts thanks to the different mounting arms that adapt to all applications.



POSSIBLE APPLICATIONS

- Floodlighting
- Facades

this graph represents some possible installations that the Electra range offers, the measurements are expressed in mm



PRATICALITY AND DESIGN

the Electra arm, as well as being rotatable in an angular range of more than 180 degrees, comes in two different versions. The first for Electra 1, the second for all other sizes in the range, both duly equipped with holes for proper installation

Parking

Bring safety light, with an eye to attention to the environment

Bringing light into a car park of any size is something that seems obvious. In reality, it is necessary to manage the distances between the light fittings well, to ensure uniform illumination that allows both the parking spaces and the driveways between one car park and the next to be seen.

The lighting must be safe, suggest peace of mind and ease to those accessing the area and- where possible- integrate with control systems that save energy costs. Electra is the perfect product to bring plenty of light to parking areas and- thanks to its dimming system- is ideal for building smart lighting control systems.



POSSIBLE APPLICATIONS

Parking areas

Wide areas

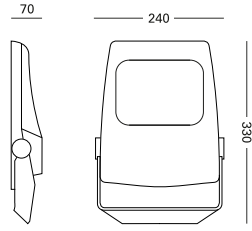
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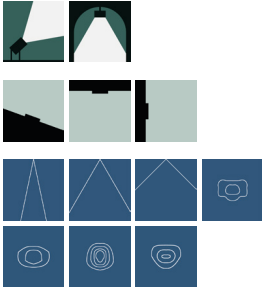


ELECTRA 1

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
2.4



ELECTRA 1 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- EL1	HP High Power	035 35W	30 3000K	25 25°	01 RAL 7037
		050 50W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
				09 Tunnel Counter	
				17 Tunnel Uni/Bilateral	

Code example:
ES-EL1 HP 050 40 60 04

outdoor/flood lights: tunnel lights

35W

16 LED- 0.16 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	4634
4000K	4813
5000K	4813
6500K	4704

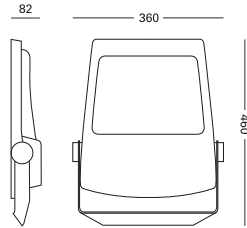
50W

24 LED- 0.23 A | values calculated with beam angle Batwing

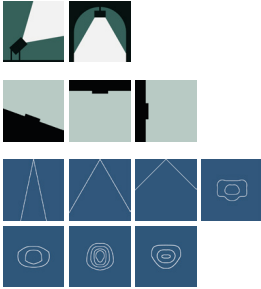
Colour T (K)	Delivered lumen (lm)
3000K	6500
4000K	6751
5000K	6751
6500K	6599

ELECTRA 2

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
5.5



ELECTRA 2 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-EL2	HP High Power	075 75W	30 3000K	25 25°	01 RAL 7037
		100 100W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
			09 Tunnel Counter		
			17 Tunnel Uni/Bilateral		

Code example:
ES-EL2 HP 075 30 25 03

75W

32 LED- 0.35 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	10039
4000K	10426
5000K	10426
6500K	10191

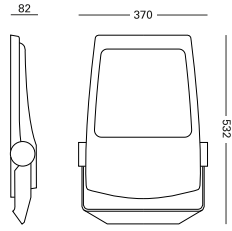
100W

40 LED- 0.46 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	13480
4000K	13999
5000K	13999
6500K	13685

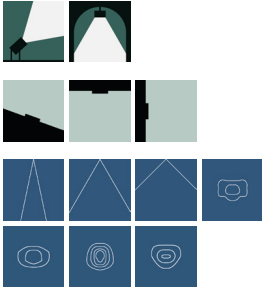
ELECTRA 3

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
7.2

ELECTRA 3 High Module



Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES- EL3	HP High Power	125 125W	30 3000K	25 25°	01 RAL 7037
		150 150W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
			09 Tunnel Counter		
			17 Tunnel Uni/Bilateral		

Code example:
ES-EL3 HP 125 30 09 04

outdoor/flood lights: tunnel lights

125W

48 LED- 0.57 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	16955
4000K	17609
5000K	17609
6500K	17213

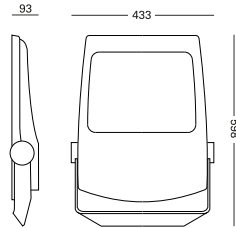
150W

56 LED- 0.69 A | values calculated with beam angle Batwing

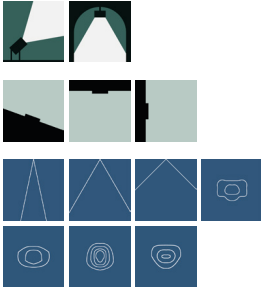
Colour T (K)	Delivered lumen (lm)
3000K	20407
4000K	21195
5000K	21195
6500K	20718

ELECTRA 4

01 RAL 7037 02 RAL 9005 03 RAL 9016 04 RAL 7024



Kg
10.2



ELECTRA 4 High Module

Code base	LED module	Power (W)	Colour T (K)	Beam angle	Finishes
ES-EL4	HP High Power	175 175W	30 3000K	25 25°	01 RAL 7037
		200 200W	40 4000K	60 60°	02 RAL 9005
			50 5000K	90 90°	03 RAL 9016
			65 6500K	07 ExtraWide	04 RAL 7024
				08 Tunnel Symmetric	
			09 Tunnel Counter		
			17 Tunnel Uni/Bilateral		

Code example:
ES-EL4 HP 175 50 07 03

175W

64 LED- 0.80 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	24360
4000K	25300
5000K	25300
6500K	24731

200W

72 LED- 0.92 A | values calculated with beam angle Batwing

Colour T (K)	Delivered lumen (lm)
3000K	27840
4000K	28914
5000K	28914
6500K	28264

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