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Rethinking
light and energy

selux

Aeto

Pure aesthetics meets maximum performance

The Aeto solar lighting system impresses with its minimalist design. The solar unit is integrated vertically and almost seamlessly into the column. The result is a slim luminaire body that blends perfectly into any environment, contributing to a calm and clean aesthetic in public spaces. Aeto is optimized for maximum energy yield and performance and can be flexibly adapted to different locations and applications thanks to its versatile options. Aeto provides efficient and sustainable lighting in urban spaces, harmonizing safety and beauty with nature.

Solar unit

360° energy capture, scalable between 1 to 4 meters, with a minimum efficiency of 23%

Luminaire head

Up to 2 luminaire heads, flexibly positionable at mounting heights between 4 and 7 meters.

Battery

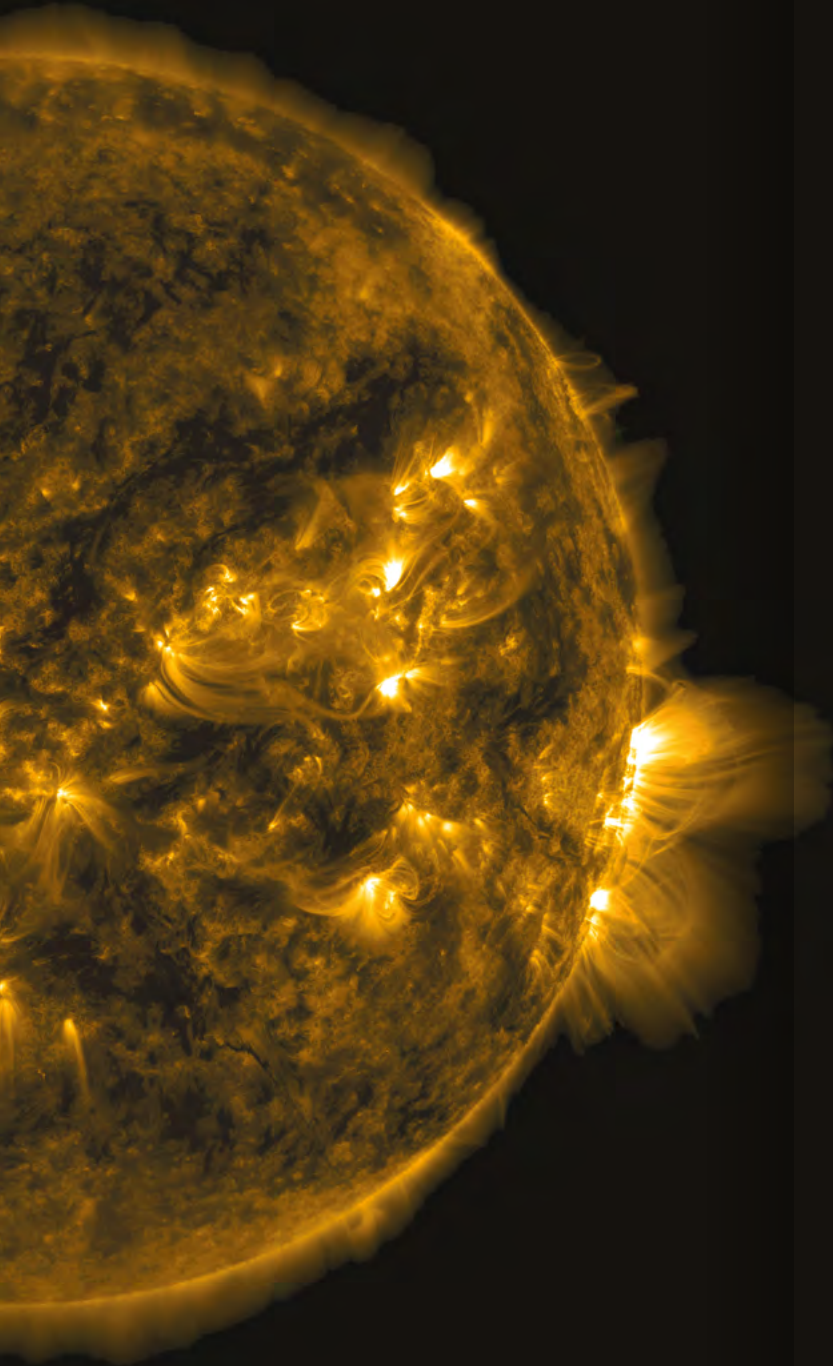
Exceptionally temperature-stable, flood-resistant, 312 or 624 Wh, with a lifespan of up to 5000 cycles (11-15 years).

Pole base element

With a width of 178 mm, it sets a new standard for sleek solar lighting.



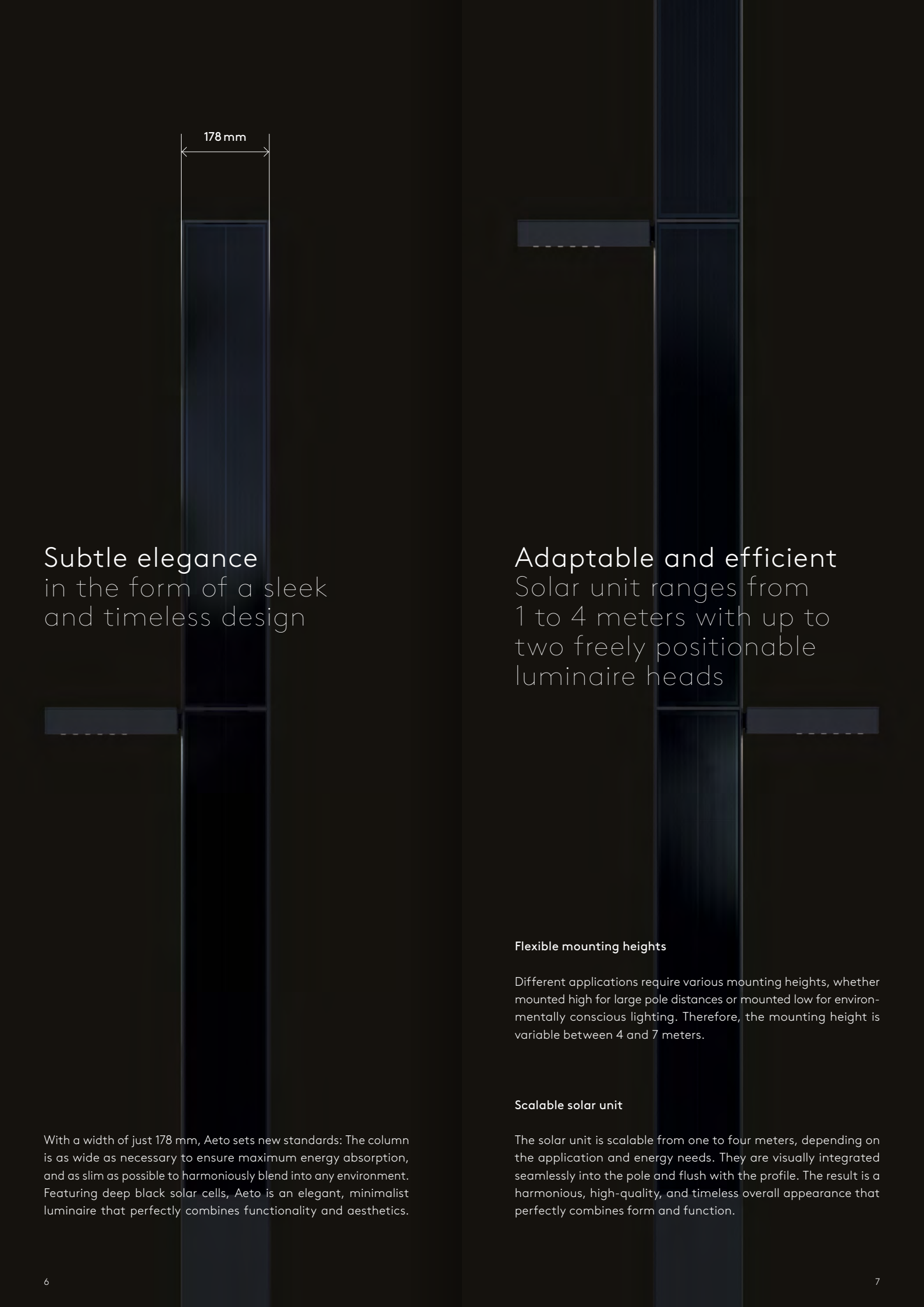
Engineered with a focus
on high energy yield
through innovative design



360° energy absorption
with exceptional efficiency

The monocrystalline solar cells are arranged using an intricate shingle technique. They are highly efficient, achieving an efficiency of at least 23%. This allows for a sleek, minimalist design without compromising efficiency. The innovative technology ensures maximum energy yield in a compact space.

The vertically integrated solar unit ensures optimal sunlight capture from all angles. Even in diffuse lighting conditions, reflective light is captured thanks to the 360° orientation. Additionally, their vertical alignment prevents the solar cells from being covered by snow or leaves, ensuring consistent functionality in all seasons.



178 mm

Subtle elegance
in the form of a sleek
and timeless design

With a width of just 178 mm, Aeto sets new standards: The column is as wide as necessary to ensure maximum energy absorption, and as slim as possible to harmoniously blend into any environment. Featuring deep black solar cells, Aeto is an elegant, minimalist luminaire that perfectly combines functionality and aesthetics.

Adaptable and efficient
Solar unit ranges from
1 to 4 meters with up to
two freely positionable
luminaire heads

Flexible mounting heights

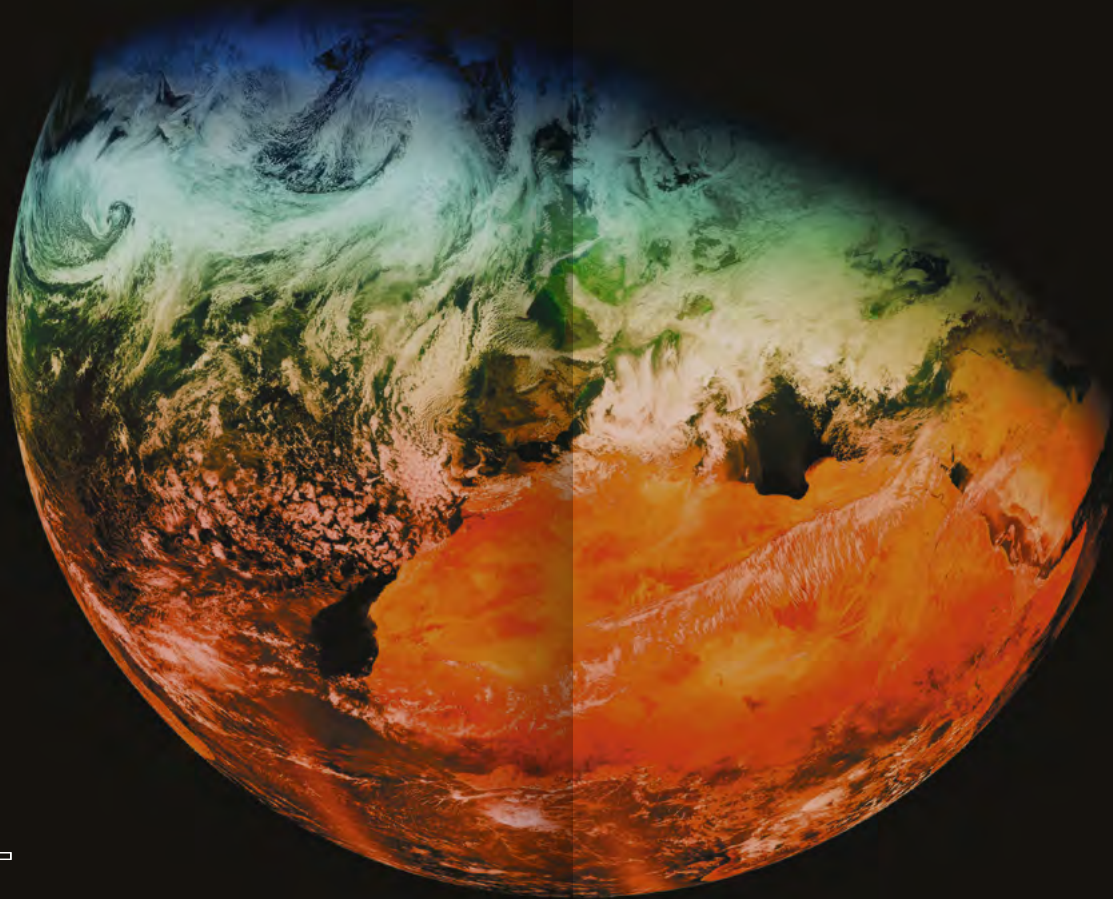
Different applications require various mounting heights, whether mounted high for large pole distances or mounted low for environmentally conscious lighting. Therefore, the mounting height is variable between 4 and 7 meters.

Scalable solar unit

The solar unit is scalable from one to four meters, depending on the application and energy needs. They are visually integrated seamlessly into the pole and flush with the profile. The result is a harmonious, high-quality, and timeless overall appearance that perfectly combines form and function.

Designed for flexibility

Unique solutions
that bring beauty to
spaces with solar-powered
illumination



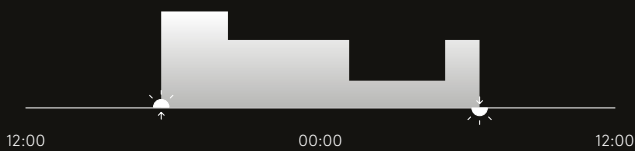
6 Lighting profiles

For various project-specific applications

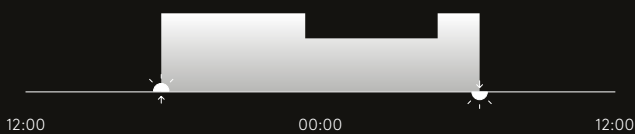
Continuous light

The lighting profiles ›Continuous Light‹ provide consistent but less intense illumination, ideal for locations where consistent light levels are needed throughout the entire night.

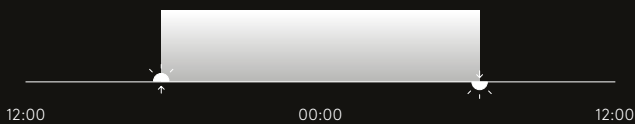
#1



#2



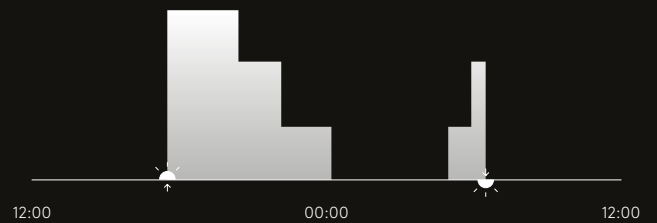
#3



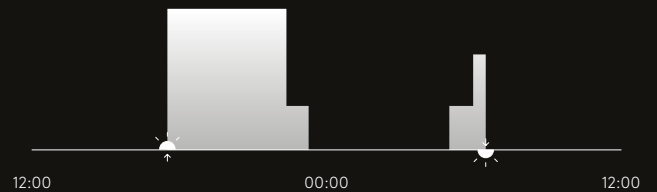
Temporary brightness

Suitable for locations with increased lighting needs during peak hours, the group ›Temporary Brightness‹ offers lighting with a night-time shut-down, saving energy and the environment.

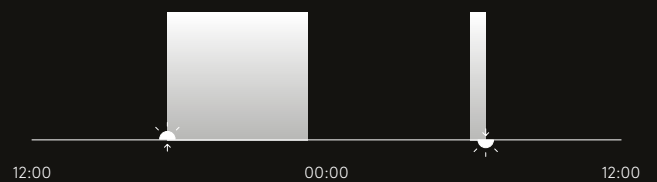
#1



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#3



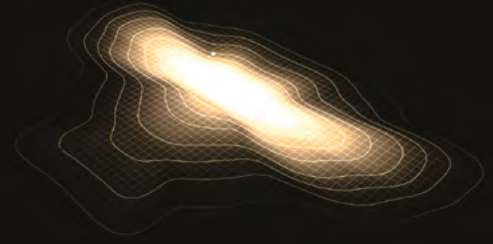
Motion sensor

Luminaires with the ›Temporary Brightness‹ profile turn off at night to protect the environment but can also utilize a motion sensor if needed. The configurator allows you to assume your activity level: ›Low Activity‹ with 6 triggers, ›Medium Activity‹ with 15 triggers, and ›High Activity‹ for up to 30 triggers per hour.

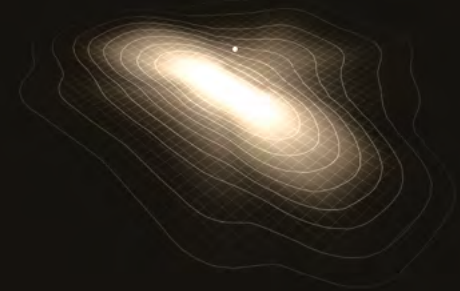
Dark Sky compliant with 5 light distributions for diverse applications



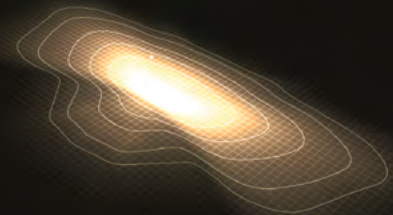
asym. narrow long



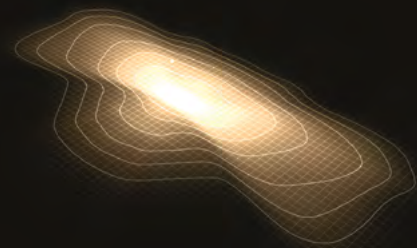
asym. narrow



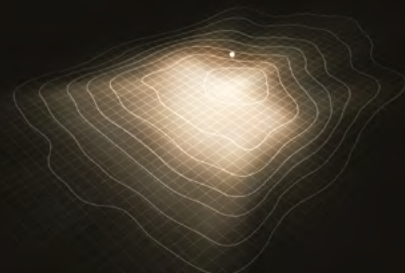
asym. medium



asym. wide



asym. flood



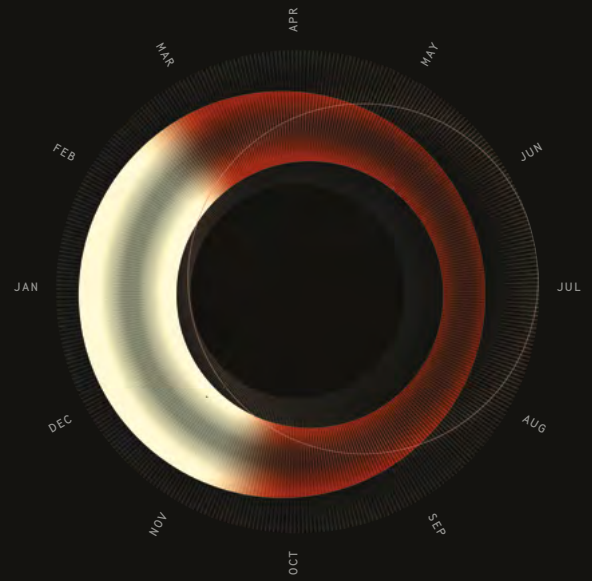
Scientifically-based modulation of light colour and intensity at different times of the day and year.



With ›Circular Light Profiles‹, Aeto harmoniously aligns the needs of people and nature while conserving resources. Light colour and intensity automatically adjust based on the time of day and year. The built-in intelligence is pre-installed in each luminaire, eliminating the need for complex planning and management. The luminaire is delivered ready for use. This creates a new simplicity that enables sustainable lighting for any location, from big cities to small communities.

Biological Red

2700K - red



Biological White

3000 - 2200K



Adjusting White

light colour of choice



Transparent data

Plan site-specific solar illumination independently



Endless possibilities

Aeto can be flexibly adapted to various locations and applications. With our online configurator, we provide you with a tool that allows you to independently determine the project-specific energy yield, the appropriate storage, and the energy consumption. Use the online configurator to find the ideal solution for your project.

How the site-specific luminous flux is calculated

Energy yield



Location

The geographic location of your project determines the intensity of solar radiation. The closer the location is to the equator, the more consistent the night lengths are between summer and winter.



Sunlight hours

The number of local sunshine hours has a significant impact on energy yield. Weather conditions can reduce energy output. To make these fluctuations manageable, we utilize empirical photovoltaic data provided by PVGIS.



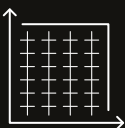
Orientation

The orientation of the luminaire also affects the energy yield.



Shading

Shade from trees or buildings reduces the energy yield of the solar modules. Our configurator assists you in calculating the potential output energy.



Photovoltaic performance

The performance of the photovoltaic panel has a significant impact on the potential energy yield. The modular design of Aeto is scaleable, allowing to compensate for various project needs.

Storage



Battery capacity

The storage capacity of the battery limits the amount of energy that can be collected. Our luminaires are configured to maintain a safe reserve of energy, ensuring that lighting is available even during longer periods of poor weather.

Energy consumption



Lighting profile

The duration and intensity of illumination determine the energy requirements. Choose from six different lighting profiles to optimally utilize the harvested energy for project-specific applications.



Motion sensors

Following the principle of 'as much light as necessary, as little as possible', an optionally integrated motion sensor provides the opportunity to save energy by turning on the light only when needed.



Light colour

The choice of light colour affects energy consumption. Cool, short-wavelength light is more efficient. However, warm light colours protect the natural rhythm of nocturnal animals but require more energy.

Application

Aeto for urban spaces

Configuration

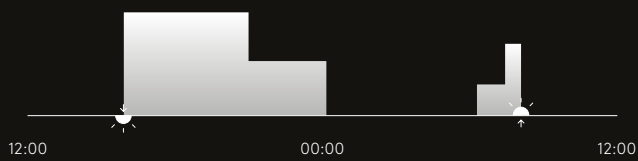
Location	Lyon, France
Orientation	North
Shading	Medium shading
Solar unit	2 m
Battery size	312 Wh
Light point height	4.5 m
Luminaire head	Single
Base pole	3.5 m
Lighting profile	Temporary Brightness #2
Motion sensor	-
Light colour	3000 K

Maximum luminous flux

Winter

1940lm

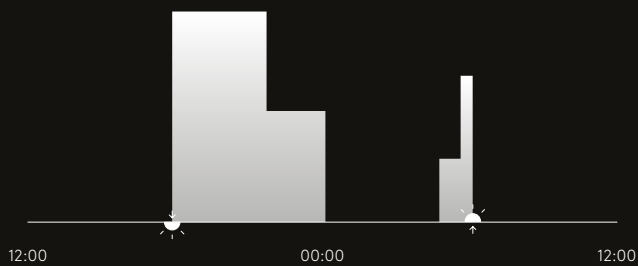
Illumination duration 15 h 19 min



Spring & Autumn

4420lm

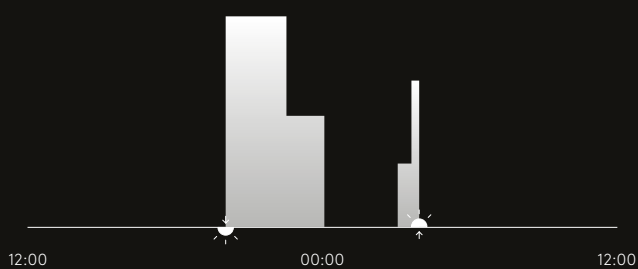
Illumination duration 11 h 49 min



Summer

4420lm

Illumination duration 7 h 40 min





Application

Aeto for parking lots

Configuration

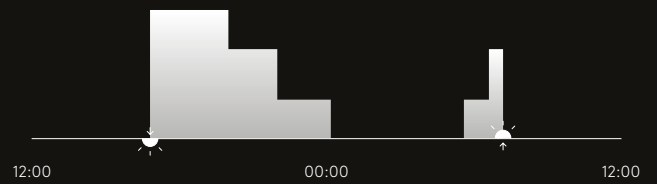
Location	Khobar, Saudi Arabia
Orientation	North-south
Shading	—
Solar unit	2 m
Battery size	312 Wh
Light point height	5 m
Luminaire head	Double
Base pole	3 m
Lighting profile	Temporary Brightness #1
Motion sensor	—
Light colour	3000 K

Maximum luminous flux

Winter

2× 2221 lm

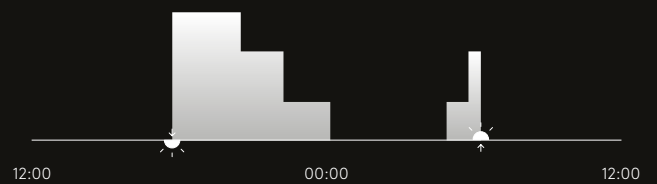
Illumination duration 13 h 30 min



Spring & Autumn

2× 2211 lm

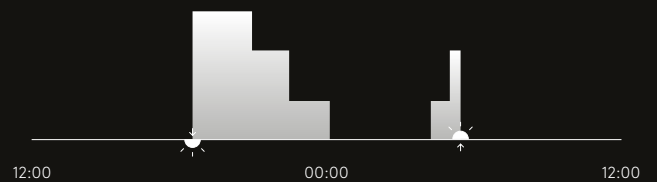
Illumination duration 11 h 52 min



Summer

2× 2211 lm

Illumination duration 10 h 13 min



Application

Aeto for cycle paths

Configuration

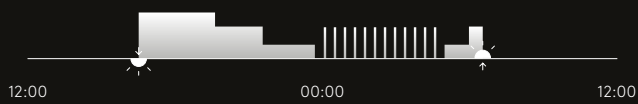
Location	Copenhagen, Denmark
Orientation	North
Shading	—
Solar unit	2 m
Battery size	624 Wh
Light point height	4.5 m
Luminaire head	Single
Base pole	3.5 m
Lighting profile	Temporary Brightness #1
Motion sensor	—
Light colour	3000 K

Maximum luminous flux

Winter

830 lm

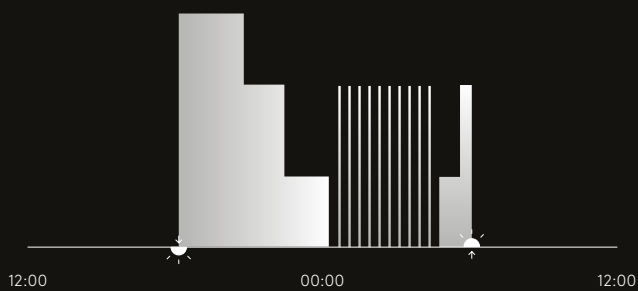
Illumination duration 16 h 59 min



Spring & Autumn

4442 lm

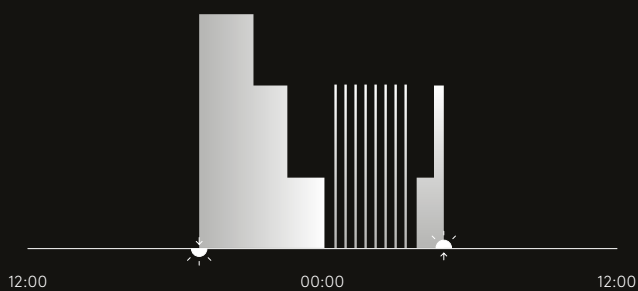
Illumination duration 11 h 48 min



Summer

4442 lm

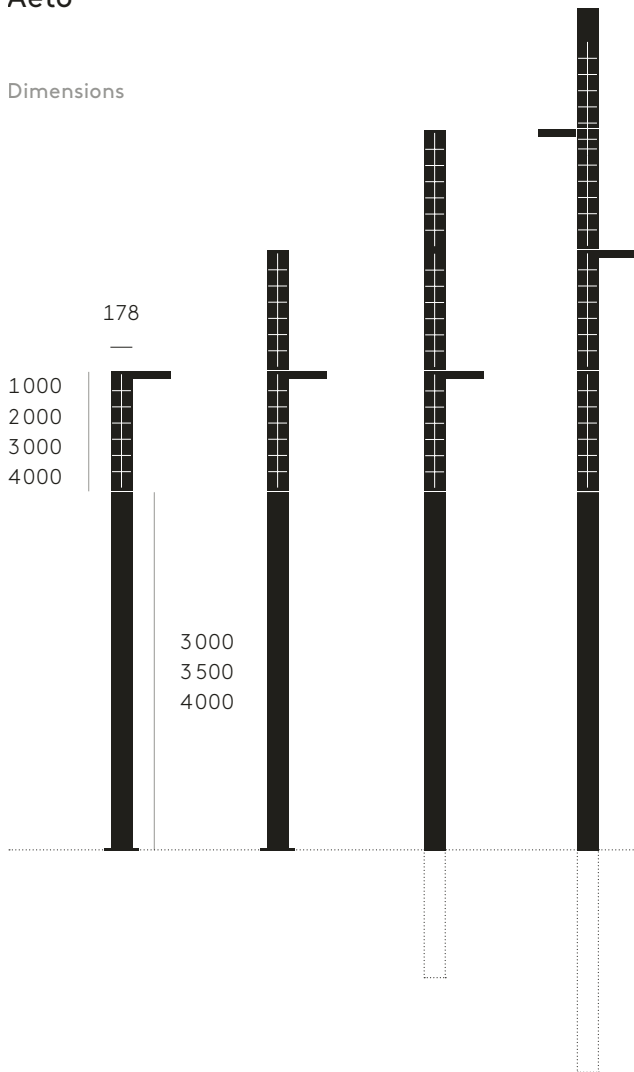
Illumination duration 6 h 28 min



Maximum flexibility for nearly every location and any application

Aeto

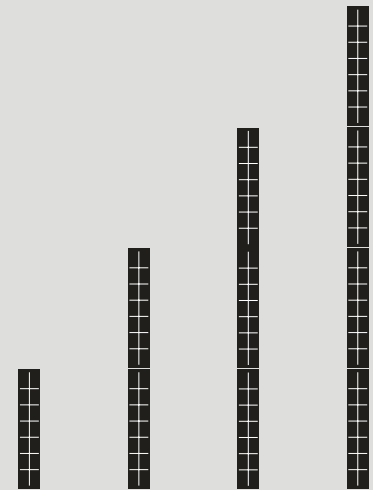
Dimensions



Mounting options

a) Buried base	square or round, 178 × 178 mm (L × W; H = 1000/1500 mm)
b) Flange plate	240 × 240 mm 300 × 300 mm

Solar unit



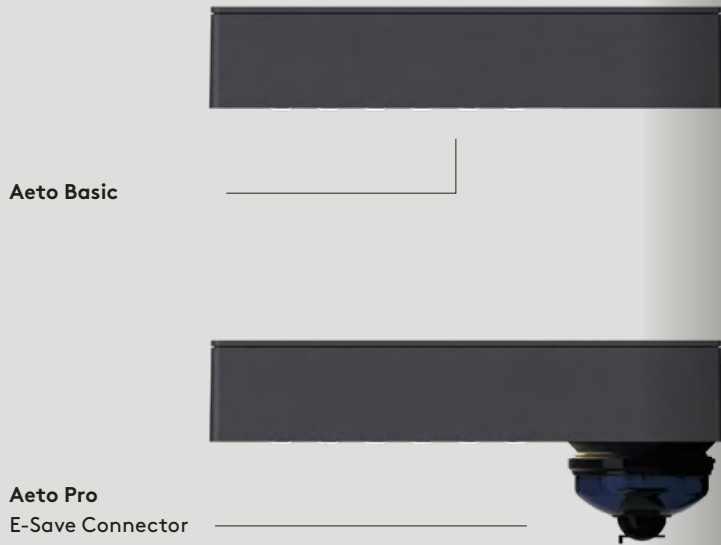
Peak performance

Luminare Heads	1 m	2 m	3 m	4 m
Single	84 Wp	196 Wp	308 Wp	420 Wp
Double	—	168 Wp	280 Wp	392 Wp

Technical specifications

Panel	Silicon, monocrystalline, shingled, black
Base	Aluminium extrusion profile, powder-coated to colour of choice
Installation	vertical, 360°
Efficiency	≥ 23%
Dimensions	178 × 178 mm (L × W)

Luminare head



Aeto is available in Pro and Basic versions. Aeto Pro offers a variety of features such as seasonal lighting profiles, luminaire monitoring, networking of multiple luminaires, and adaptive lighting. The Basic version, designed as an entry-level option, comes with a year-round lighting profile.

Technical specifications

Lamp	LED with configurable lens optics
Performance	max. 22 W / 4260 lm (up to 210 lm / W)
Light colour	2200K, 2700K, 3000K, 4000K, Biological Red, Biological White, Adjusting White
Light distribution	asym. narrow long; asym. narrow; asym. medium; asym. wide; asym. flood
Mounting height	4000-7000 mm (flexible positioning)
Sensor	Optional motion sensor (Aeto Pro)
Monitoring	Aeto Pro with E-Save Connector
Dimensions	278 × 178 × 56 mm (L × W × H)
Material	Die-casted aluminium
Protection class	IP65

Battery



Technical specifications

Type	Nickel-metal hydride (NiMH)
Capacity	312 / 624 Wh
Lifespan	10-15 Years (approx. 5000 charge cycles)
Installation	<ul style="list-style-type: none"> • Water-resistant, installed below light unit • Optional behind access panel at base
Application	Temperature-stable from -40°C to +60°C ambient temperature, charges even in poor weather conditions
Controller	Intelligent charging management and temperature monitoring
Certificate	CE, RoHS

Configure Aeto
online now

selux.com

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At Selux, we have been asking ourselves how to light places for more than 75 years. How do we create safety, well-being and beauty with light? How do our products engage in public spaces when they are objects during the day?

The amazing thing is that the answers to these questions are right in front of us. Nature provides us with the answers. In nature, everything is in harmony. Everything complements each other, nothing dominates in the long run. Nature knows no monoculture, nothing is fashionable and everything that does not make sense will disappear in the end. The results are perfect protagonists that exist in interaction with each other and constantly optimise themselves.

As a result, we have come to a central realisation: Timelessness is the best form of sustainability. We want to create products that we will still find beautiful for decades to come and that continue to function perfectly. Products that enter into a symbiosis with the room and work harmoniously with nature.



The sun is the regulator of time and an inexhaustible elemental force. It shapes the world and our perception.

Inspired by this elemental power, we want to rethink light and energy.