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Experience
the fascination
of light

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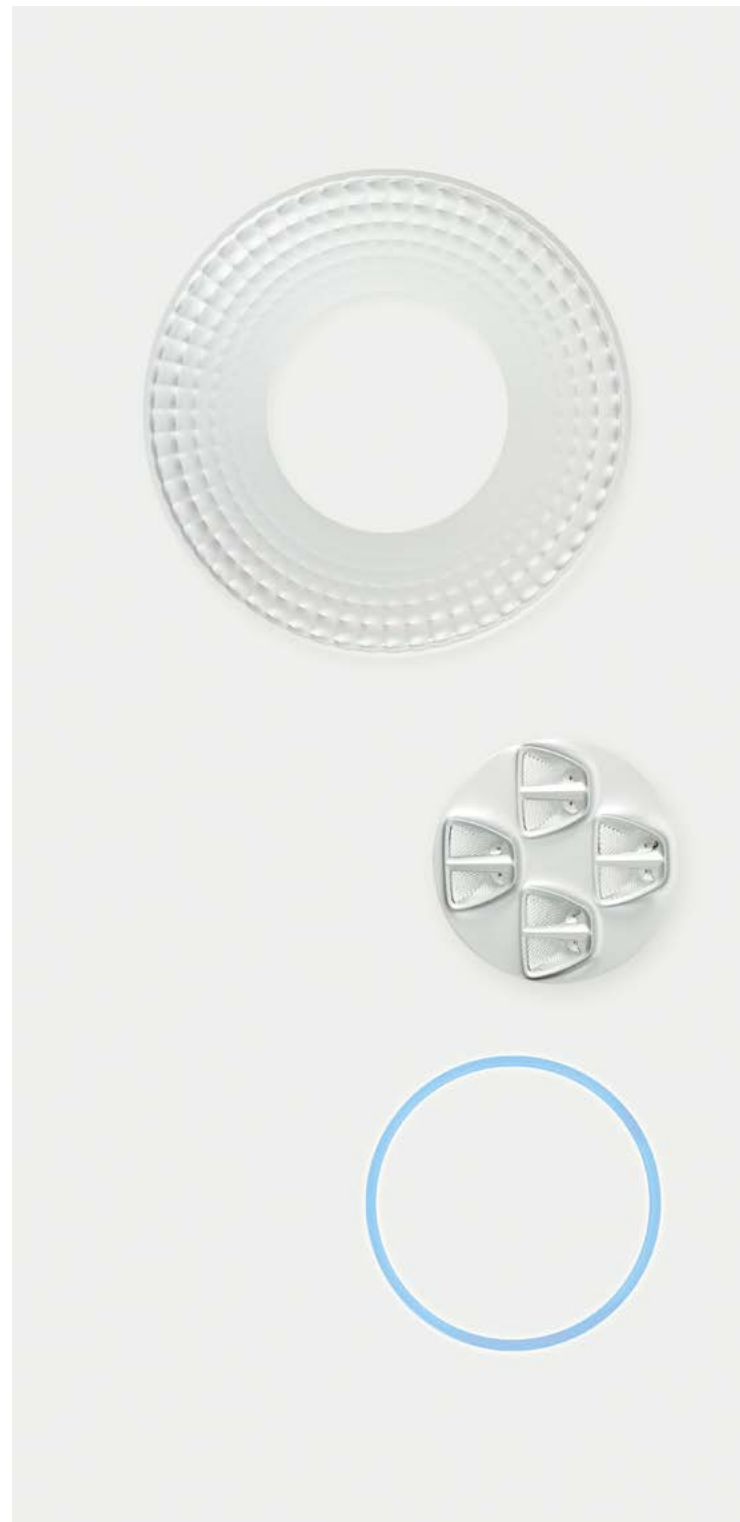
Experience the fascination of light — Versatility and functionality in its finest form. The Astro – light for urban spaces. Like a modern encased gemstone, the Astro's internal reflectors combine efficient technology and a high level of visual comfort with a unique lighting effect.



Design with personality — With its timeless appearance and numerous configuration options, the lighting technology and form of the Astro provides a ground-breaking solution for the many requirements of urban spaces. By day it accentuates urban design while at night it creates a magical atmosphere. Sustainability is a key feature of the Astro – its LED technology and numerous control options ensuring low energy consumption and high energy-efficiency. Its control capabilities also mean that Astro is well-prepared for adaptive lighting schemes.



Light as an urban impression. Modularity as a principle — Astro's modular construction means that it can be equipped with various pole connections and light engines coordinated to your specific lighting requirements. A choice of coronas and diffusers allows its brilliant light effect to be customized with an optional blue or white LED ring that enables additional ambient lighting as a further design option.







Integral system for brilliant light — State-of-the-art lighting technology:
The light engine is a specially developed integral system comprising LED, reflectors, assembly unit and surrounding frame. With up to 90lm/W the luminaires are highly-efficient with excellent anti-glare properties resulting in a high level of visual comfort.



asymmetric street



symmetric



asymmetric flood



Unique light effect thanks to two coronas — Astro's light engine is framed by an anodised aluminium form, the corona, which lends the luminaire an extraordinary effect. There are two coronas to choose from: the ring corona gives a concentric light effect while the pillow corona generates a trapezoid structure.

Pillow Corona



Ring Corona





Additional light effects available as an attractive option — The Astro can be equipped with an LED ring around its central light engine for ambient lighting. This gives an additional and highly-attractive accentuation and can provide extra targeted orientation for cityscapes: for example indicating the presence of a socket for electromobility. The LED ring can be selected in white (3000 K) or blue.

Astro overview





Astro 1

Astro 1 — single arm,
asymmetrical pole-top connection

Clear flat safety glass



Pearled convex PMMA



Clear convex PMMA



Astro 2 — double arm, symmetrical pole-top connection

Shape as required: arms and diffusers — Depending on the urban context, you can select from various pole connections and diffusers. The flat diffuser of the highly anti-reflective-safety glass is extremely durable and particularly resistant to dirt. The clear convex PMMA diffuser is soft and organically shaped. With its pearled surface structure, the convex version gives maximum visual comfort and attractive atmospheric lighting to complement any environment.

Clear flat safety glass



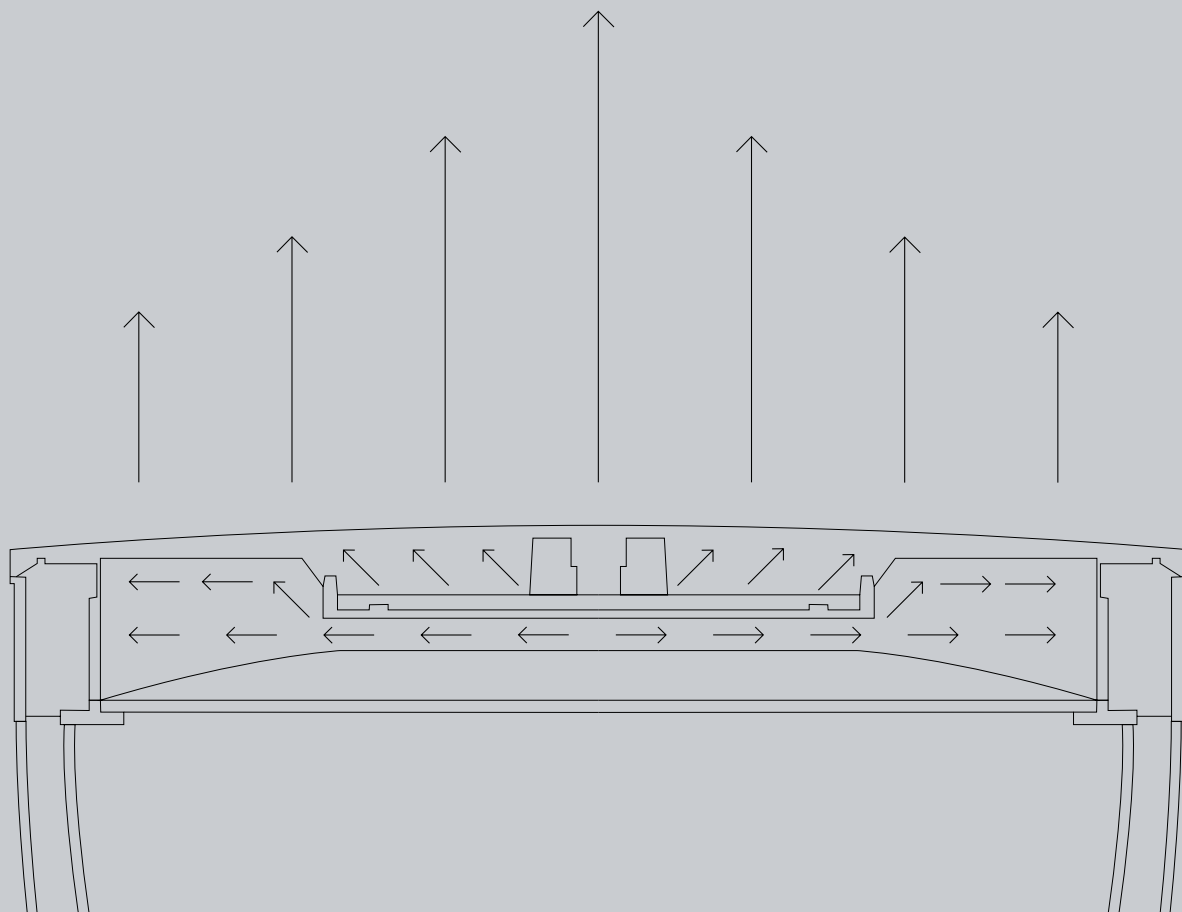
Pearled convex PMMA



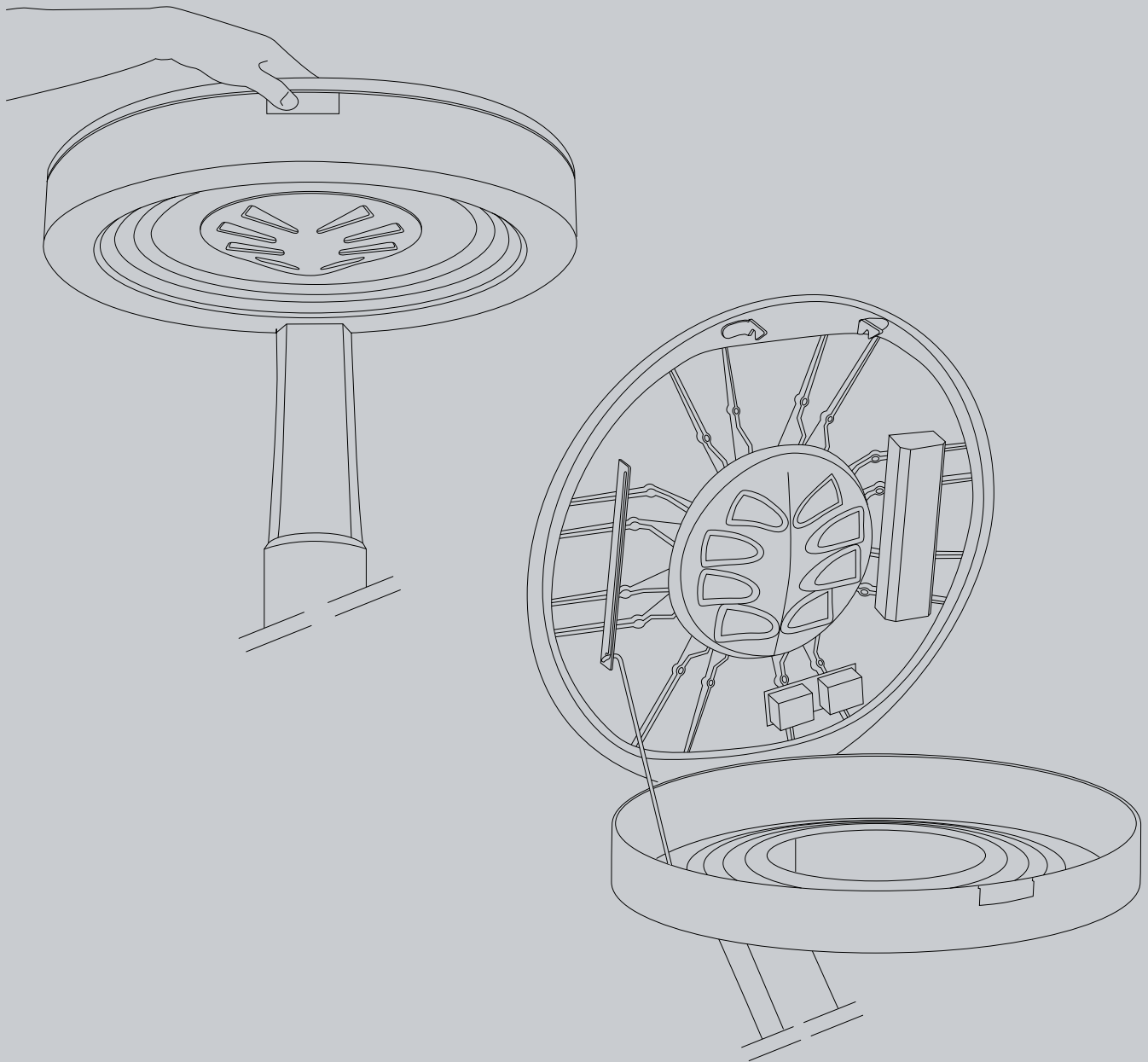
Clear convex PMMA



Thermal management



Integrated high-temperature protection — A sophisticated thermal management system ensures optimal exploitation of the LED light source. The light engine is in direct contact with the enclosure. Invisible louvres enable continuous external discharge of heat.



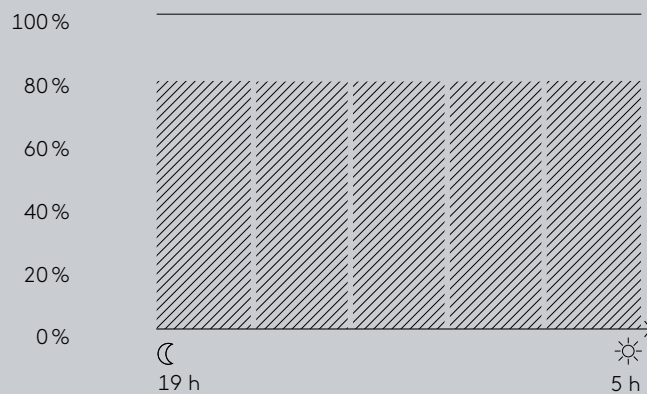
Maintenance-friendly and future-reliable — The Astro is consistently aligned to the future: the light engine and LED converter can be easily replaced, without tools, by a single operative. Units can be delivered prewired for easy installation (one push button to open the cover) and provision has also been made for future LED modules.

Service and warranty — Every luminaire that leaves our company is measured in terms of light colour, luminous flux and power. The data is documented to be able to replace light components that have the same technical parameters as the initial equipment at all times. 5 year warranty on project registrations under selux.com

LED — saving energy using controls

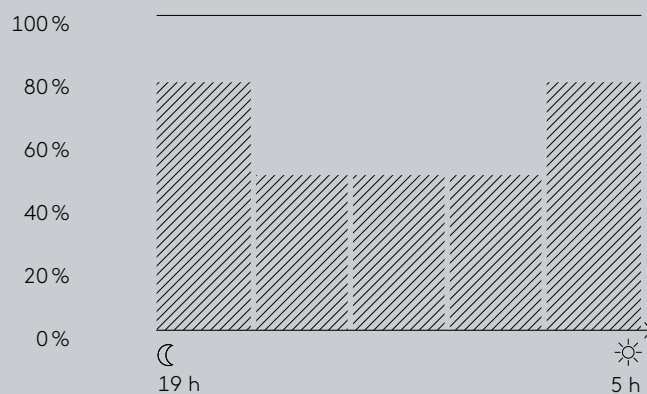
Astro luminaires can be switched and dimmed across several interfaces (1-10V, DALI). Use of intelligent control enables light to be dimmed individually according to customer requirements. This user oriented dimming option reduces energy consumption and makes a significant contribution to lowering CO₂ emissions.

Different control options are available on request.



Constant, low-power operation

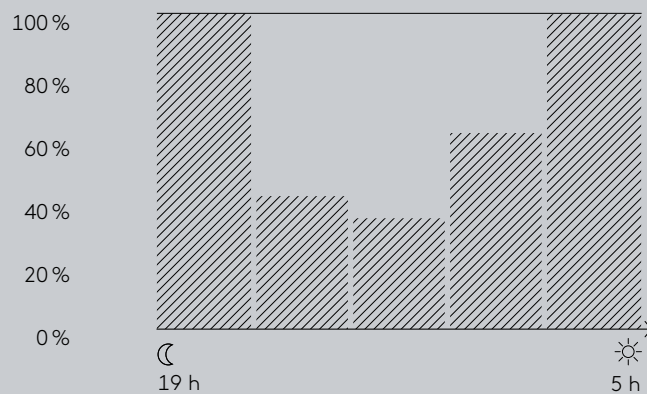
The luminaire is run at a constant level using only the luminous flux required for the application. Luminous flux can be preset in the factory in 300 lm increments.



Phase controlled night-time switching

→ Switchable low-energy operation

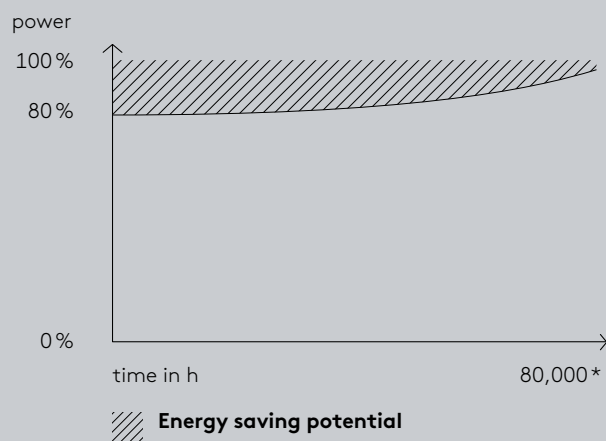
In the case of phase controlled night-time switching the luminaire can be switched between two power settings, that can be configured as required.



Dynamic → Low-energy operation with up to five dimming settings

The dynamic control enables low power operation at up to five different values. Power levels are programmed individually for each luminaire in the factory.

CLT – Constant Lumen Technology — Conventional street lights are often overdimensioned to ensure lighting consistently conforms to standards despite loss of luminous flux. At the beginning of life, this results in both an increased energy consumption and an increased luminance at the light output. The use of CLT ensures a constant lumen output of the luminaire over the course of its lifetime. The degradation of LED is maintained by readjustment of power. This makes for additional benefits on LED lifetime. In this way potential for savings is fully exploited by means of an ideally configured lighting system.



*depending on fitting/type of LED

Astro 1

High pressure die-cast aluminium · single-arm asymmetric pole connection · flat toughened glass with anti-reflex coating or clear or pearled PMMA diffuser convex · ring or pillow corona · various power classes · Selux Graphite or special finish

LED light engines for precise asymmetric street lighting, asymmetric flood and symmetric beacon with high anti-glare comfort

for $\varnothing 60$ mm and $\varnothing 76$ mm pole top

optional LED ring white (3000 K) or blue for ambient lighting
(only available with ring corona version)

Astro 1



asymmetric
street



asymmetric
flood



symmetric

LED

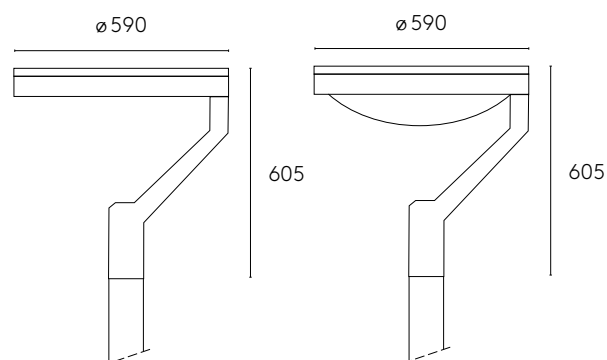
3000 K / 4500 K
system efficiency up to 90 lm/W

poles - see website

current LED system power - see website

IP66  

Astro 1



Pearled convex PMMA



Clear flat safety glass



Astro 2

High pressure die-cast aluminium · double-arm symmetric pole connection
flat toughened glass with anti-reflex coating or clear or pearled PMMA
diffusor convex · ring or pillow corona · various power classes · Selux Graphite
or special finish

LED light engines for precise asymmetric street lighting, asymmetric flood and
symmetric beacon with high anti-glare comfort

for $\varnothing 60$ mm and $\varnothing 76$ mm pole top

optional LED ring white (3000 K) or blue for ambient lighting (only available
with ring corona version)

Astro 2



asymmetric
street



asymmetric
flood



symmetric

LED

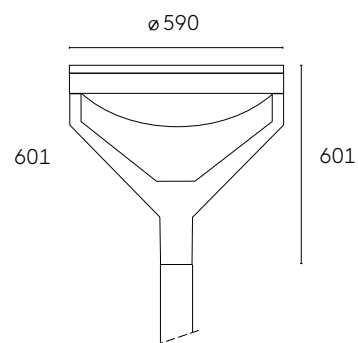
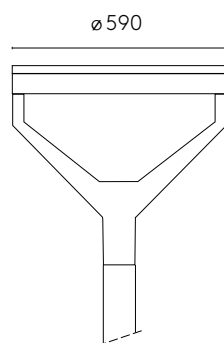
3000 K/4500 K;
system efficiency up to 90 lm/W

poles - see website

current LED system power - see website

IP66  

Astro 2



Pearled convex PMMA



Clear convex PMMA





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