Park and urban **lighting**

LENA LIGHTING

100%

Made in Poland

We are a lighting manufacturer with 35 years of presence on the market, which is why we know everything about luminaires and lighting systems: we design, comprehensively test and manufacture them. We combine practice with modernity.

We have technologically advanced manufacturing facilities at our command, which guarantees a high level of flexibility and operational efficiency. We produce millions of luminaires annually, and each product leaving the Lena Lighting production line strengthens our position of the leader in the market of luminaires in the country and in the world – every day.

When designing new luminaires, we take advantage of the latest achievements in technology. For years, we have cooperated with leading international manufacturers of electrotechnical components, who, in addition to providing us with their solutions, also implement individual projects of our Engineers at the Research and Development Department of Lena Lighting S.A., allowing for a significant reduction in energy consumption, while improving the quality of lighting. We are constantly enhancing our know-how using the latest global solutions in LED technology and lighting control.

35+

years of experience

Modern LED production line

Środa Wielkopolska

Emotions start with **light!**

Skver LED family

Innovative approach to lighting design

up to 152 lm/W IP66 IK10

PL

The innovative line of Skver LED park and urban lighting luminaires revolutionises the approach to outdoor lighting. Excellent parameters, elimination of light pollution, unique modular construction and creative design make it the perfect luminaire for the most demanding urban spaces.

Here, the designers have applied a range of modern solutions, which significantly enhance the capabilities of park and urban luminaires. These luminaires can be customised using a variety of light distribution hoods and designs. With its modular design, daily servicing and maintenance have never been easier!

Tool-free access to electrical accessories

Accessing electrical and optical components simply requires un-screwing two screws and opening the luminaire cover without any tools.

Omnidirectional and lenticular versions

The Skver LED luminaire can be equipped with both omnidirectional lighting modules and directional matrices fitted with lenses.

Knife switch

In certain versions, a knife switch is used to disconnect power to a specific luminaire upon opening its cover. This en-sures that the person making modifications is fully protected.

No effect of light pollution

Skver luminaires, with ULOR < 1, are inspired by the Nature Centric Lighting concept, focusing on the ecology and safety of both people and animals.

Quality confirmed **by certifications**

The Skver LED luminaires were developed in full compliance with Zhaga Book 13, 15, and 18, which set standards for the positioning and installation of the power supply, LEDs, and Zhaga connectors, making it easier to replace these components in the future. This significantly extends the product's lifespan, ensuring that the city benefits from this standardised modularity confidence that the future development of urban infrastructure is limitless!

The Skver range includes C5+ models, which are not only resistant to harsh weather conditions but also to corrosion. Therefore, they can be successfully installed in locations such as promenades, bridges, or piers – anywhere there is direct contact with bodies of water with various degrees of salinity.

Luminaire modularity

The modular Skver luminaire allows users to customise its configuration according to their needs and preferences. They can add or remove modules depending on actual lighting requirements. But there is much more! The added modules will define the ultimate appearance of the luminaire, which can be uniquely tailored to each individual location. Modularity has a significant impact on both the aesthetics of the luminaire itself and the surrounding environment.

Modularity also translates to better economy and savings. As lighting demands change with technological advancements or changes in land use, administrators can simply add or replace individual modules instead of replacing the entire luminaires.

The ecological aspect remains crucial as well. The ability to replace and upgrade modules makes modular luminaires more environmentally friendly by reducing the need to discard the entire products when only one module is damaged or needs replacement.

Lena C5+ · Book 13 · Book 18 · Book 15

AVAILABLE VERSIONS

SKVER LED

up to 152 lm/W | IP66 | IK10

Rated power [W]:	19 - 50	**Body colour:**	black
Luminous flux [lm]:	2850 - 7100	**Diffuser material:**	PC
Mounting method:	pole mounted	**Types of optics:**	lens with PMMA
Body material:	Powder-coated aluminium	**Dimensions A/B/C [mm]:**	427/360

Distinguishing features:

- The luminaires are designed to work in very low and high temperatures from -30˚C to +50˚C and in difficult weather conditions
- No light pollution effect

Skver LED lighting in urban spaces

Skver LED lighting in a city park

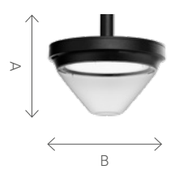
SKVER LED

up to 152 lm/W | IP66 | IK10

Rated power [W]:	19 - 50	**Body colour:**	black
Luminous flux [lm]:	2850 - 7100	**Diffuser material:**	PC
Mounting method:	suspended	**Types of optics:**	lens with PMMA
Body material:	Powder-coated aluminium	**Dimensions A/B/C [mm]:**	360/360

Distinguishing features:

- The luminaires are designed to work in very low and high temperatures from -30˚C to +50˚C and in difficult weather conditions
- No light pollution effect



Skver LED **family**

Versions Bespoke

The Skver park and urban luminaires combine high light efficiency and unprecedented functionality with innovative, modular design. This feature allows for easy and quick implementation of structural and visual changes in the luminaire. With all this available, together we will design and manufacture your own SKVER LED urban park luminaire!

It's easier than you think! Your customised SKVER LED luminaire will be created using one of our specially designed accessories or entirely from scratch – just for your city! Tailored to individual lighting needs, unique identification, and urban elegance bringing out the true beauty of urban spaces – SKVER LED will allow you to stand out from the crowd, based on the best and tailored lighting solutions!

Example 2

Example 3

Example 4

Example 2

Example 3

Example 4

Example 5

Example 6

Your unique design!

Example 5

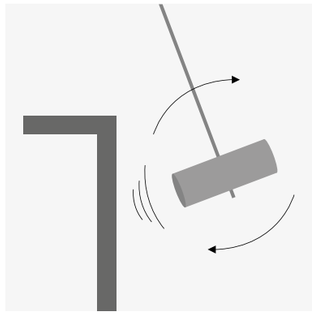
Example 6

Your unique design!

Altezzo LED family

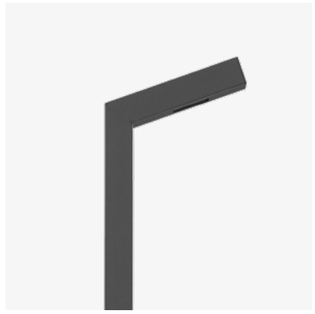
Altezzo is a family of outdoor luminaire with a modern design. With a vast range of power levels, luminous flux and light distribution, they are ideal for creating energy-efficient lighting for roads, walkways, parking lots, residential streets and paths. Lower-power models are perfect for parks and gardens to illuminate small architecture.

The modern Altezzo park and road luminaires provide safety and comfort at night. The high level of tightness ensures excellent protection against harsh weather conditions. The luminaire operates effectively in very low and high temperatures, from -30℃ to +50℃.



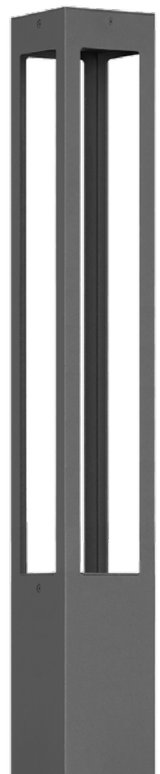
Resistance to mechanical damage

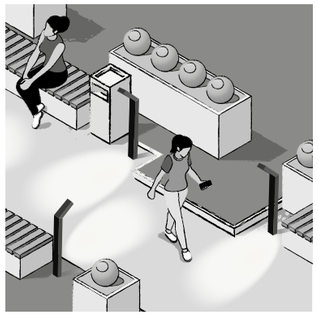
The Altezzo luminaire profile is impact-resistant (IK09 / IK08).



Various light beam angle

The luminaire's section containing the light module can be aimed parallel to the illuminated surface or at an angle.





Low Altezzo luminaires

They will fit perfectly into garden and park infrastructure. They will precisely illuminate the pathway and selected architectural features, without causing light pollution.

Lifespan

The lighting module consists of LED diodes with a lifespan of up to 196,000 hours.

Altezzo L 100

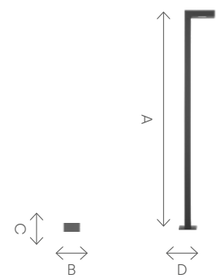
up to 117 lm/W | IP65 | IK09

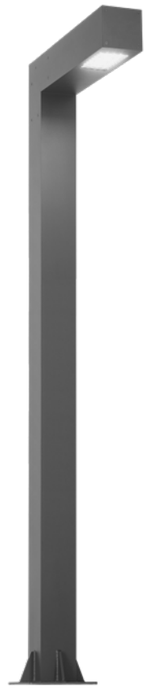
110° light beam angle versions available

Rated power [W]:	6 - 12	**Body colour:**	graphite
Luminous flux [lm]:	650 - 1400	**Diffuser material:**	PC
Mounting method:	on a foundation	**Types of optics:**	transparent lens
Body material:	aluminium	**Dimensions A/B/C [mm]:**	600, 900, 1200, 1500/100/40/200

Distinguishing features:

- A wide range of luminous flux and light distribution
- The luminaires are designed to work in very low and high temperatures from -30˚C to +50˚C and in difficult weather conditions
- Versions with two, three, and four lighting modules, mounted on different sections of the pole – at the same or varying heights – are available





Altezzo **LED family**

The Altezzo L model is available with dozens of different light distributions.

This makes it easy to meet stringent standards during design and ensure energy-efficient lighting and user safety.

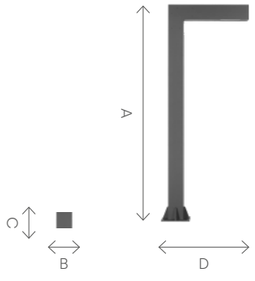
Altezzo L 150

up to 141 lm/W | IP65 | IK09

Rated power [W]:	32 - 82	**Body colour:**	graphite
Luminous flux [lm]:	3600 - 10700	**Diffuser material:**	PC
Mounting method:	on a foundation	**Types of optics:**	transparent lens
Body material:	aluminium	**Dimensions A/B/C [mm]:**	2500, 3000, 3500, 4000, 5000/150/150/800

Distinguishing features:

- Wide range of power and luminous flux
- The luminaires are designed to work in very low and high temperatures from -30°C to +50°C and in difficult weather conditions
- Dozens of light distributions available

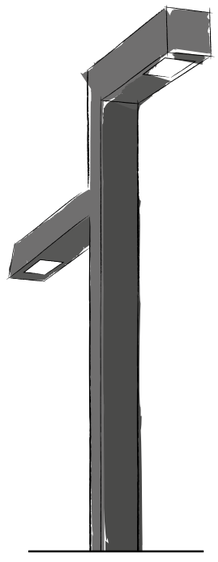


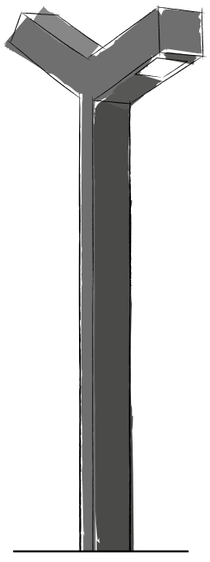
Altezzo L 150 **customisation**

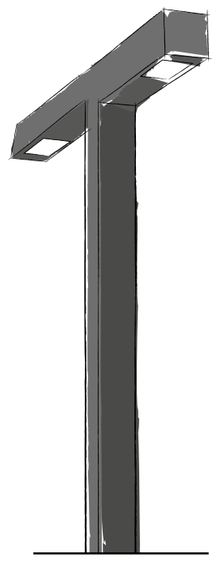
The Altezzo L design allows for luminaire customisation according to the guidelines of designers or architects. The luminaire's section containing the light module can be aimed parallel to the illuminated surface or at an angle.

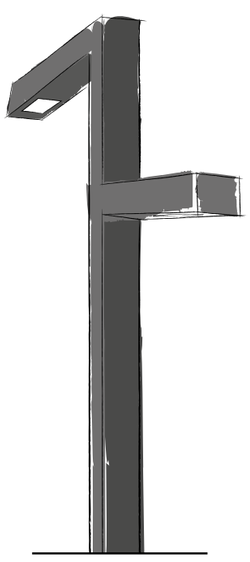
Additionally, the profile can expand. This allows for mounting up to four light module units on one pole – one on each side of the pole – at the same or different heights.

Sample configurations of Altezzo L featuring two light modules









Altezzo L 100 K lighting on the building's façade

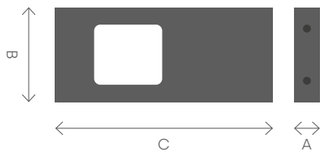
Altezzo L 100 K

up to 130 lm/W | IP65 | IK08

Rated power [W]:	5	**Body colour:**	graphite
Luminous flux [lm]:	600 - 650	**Diffuser material:**	PC
Mounting method:	on building's façade	**Types of optics:**	lens with PMMA
Body material:	aluminium	**Dimensions A/B/C [mm]:**	40/100/250

Distinguishing features:

- The luminaires are designed to work in very low and high temperatures from -30°C to +50°C and in difficult weather conditions
- No light pollution effect



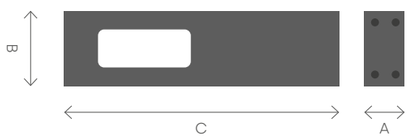
Altezzo L 150 K

up to 130 lm/W IP65 IK08

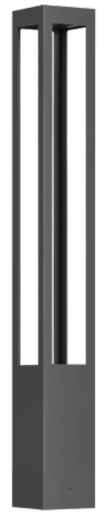
Rated power [W]:	40	**Body colour:**	graphite
Luminous flux [lm]:	4600 - 5200	**Diffuser material:**	PC
Mounting method:	on building's façade	**Types of optics:**	lens with PMMA
Body material:	aluminium	**Dimensions A/B/C [mm]:**	40/100/250

Distinguishing features:

- The luminaires are designed to work in very low and high temperatures from -30˚C to +50˚C and in difficult weather conditions
- No light pollution effect



Altezzo L 150 K lighting on the building's façade



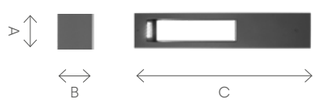
Altezzo A 120

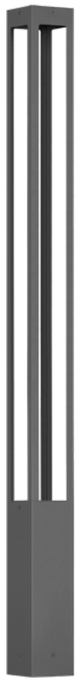
up to 96 lm/W | IP65 | IK08

Rated power [W]:	8 - 13	**Body colour:**	graphite
Luminous flux [lm]:	850 - 1200	**Diffuser material:**	PC
Mounting method:	on a foundation	**Types of optics:**	transparent lens
Body material:	aluminium	**Dimensions A/B/C [mm]:**	120/120/600, 120/120/900, 120/120/1200, 120/120/1500

Distinguishing features:

- They can operate in very low and high temperatures
- The lighting module consists of highly durable LEDs with a robust polycarbonate screen
- They are suitable for parks and gardens to illuminate small architecture





Altezzo A 150

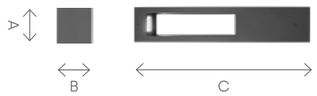
up to 109 lm/W | IP65 | IK09

Rated power [W]:	10 - 42
Luminous flux [lm]:	1100 - 4000
Mounting method:	on a foundation
Body material:	aluminium

Body colour:	graphite
Diffuser material:	PC
Types of optics:	transparent lens
Dimensions A/B/C [mm]:	150/150/600, 150/150/900, 150/150/1200, 150/150/1500, 150/150/2000, 150/150/2500, 150/150/3000

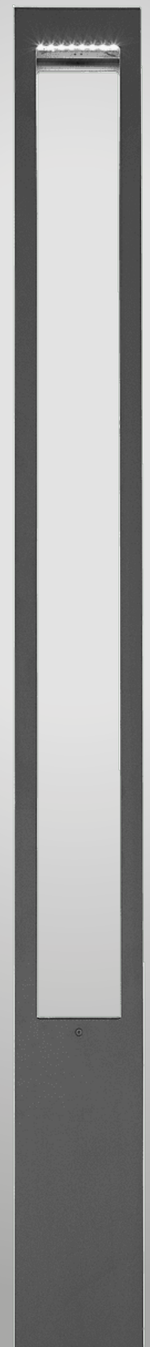
Distinguishing features:

- They can operate in very low and high temperatures
- The lighting module consists of highly durable LEDs with a robust polycarbonate screen
- They are suitable for parks and gardens to illuminate small architecture



Altezzo A LED **family**

The decorative, latticed housing gives the luminaire a lightweight appearance while delivering an attractive distribution of accentuating light.



Mitra LED family

Park luminaires
of luminous efficiency

Mitra LED

up to 132 lm/W | IP66 | IK07

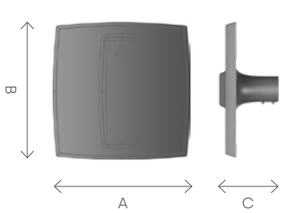
Rated power [W]:	13 - 62	**Body colour:**	grey
Luminous flux [lm]:	1550 - 7250	**Diffuser material:**	PC
Mounting method:	top, to the pole	**Types of optics:**	transparent lens
Body material:	PP + FG	**Dimensions A/B/C [mm]:**	398/398/175

AVAILABLE OPTIONS:

- General distribution G1 – with frosted-glass diffuser
- Road distribution RM1 – with a transparent diffuser and directional lens matrices made of polymethyl methacrylate (PMMA)
- DALI driver
- I, II class of protection available

Distinguishing features:

- Two types of diffuser – opalescent and transparent
- Very high degree of IP66 ingress protection
- IK07 mechanical impact protection
- Surge protection (SP10kV)
- H07RN-F cable, 0.6 m long
- Smooth, dirt-resistant surface
- Quick assembly due to a tight IP66 quick connector



Leo Park **LED** family

Park luminaires
of luminous efficiency

Leo Park LED

max. 123 lm/W | IP65 | IK07

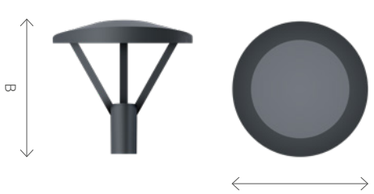
Rated power [W]:	30 - 48	**Body colour:**	anthracite grey
Luminous flux [lm]:	3200 - 5400	**Diffuser material:**	PMMA
Mounting method:	top, to the pole	**Types of optics:**	transparent lens
Body material:	aluminium	**Dimensions A/B [mm]:**	ø400/430

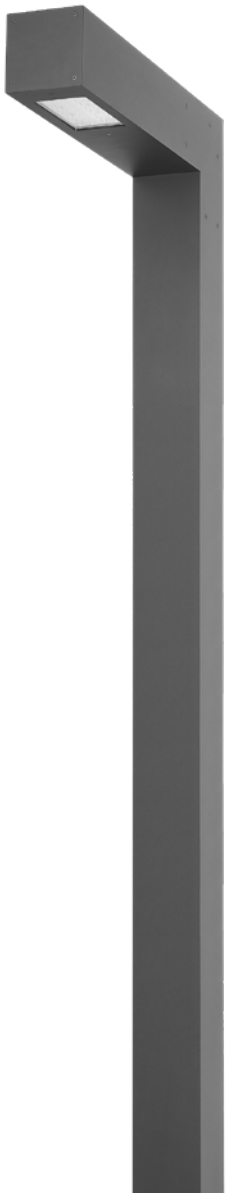
DISTRIBUTION OPTIONS AVAILABLE:

- ASM1 – asymmetrical medium – squares, parking lots, parks
- RM2 – road medium – housing estate roads, park pathways
- SM1 – symmetrical medium – squares, parking lots, parks

Distinguishing features:

- High degree of impact resistance
- Round, compact aluminium body
- Available types of light distribution: ASM1; RM2; SM1





LENA
LIGHTING

Lena Lighting

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