



MANUFACTURED
IN SWEDEN

LEDX
LIGHTS

LEDX LIGHTS WORKBOOK

LEDX
LIGHTS

LIGHTING
THE DARKNESS



THE LEDX LIGHTS BRAND

LEDX Lights sets a new standard for ultra performance headlamps. With its smooth and wide field of luminence, light weight, durability and long battery life, it really feels like you are bringing daylight wherever you go.

Our story begins with the search for the perfect headlamp. Our founder and innovator Anders Johansson is a life long orienteer and outdoorsman. He had a vision to use top materials and high-end technology to create a lamp that would surpass everything on the current market and would give a competitive advantage. After long and hard work the prototype was a success and LEDX Lights was born.

THE HI(TECH)STORY

2009 "If I manage to build a headlamp until the district championships, I will start running night orienteering again"
- Anders Johansson, founder of LEDX Lights.

2010 Anders starts manufacturing the LEDX Cobra 1 in his basement with (at that time) unbelievable 2100 lumens of light.

2012 The 3000 lumen LEDX Cobra IIx starts selling to enduro MX drivers in Finland.

2014 Launch of the first product series: Kaa 1500, Mamba 3500 and Cobra 5500.

2015 Launch of the unique protection cable for connecting LEDX lights to an external 12V DC power source.

2017 All the lamps become more powerful. Kaa 2000, Mamba 4000 and Cobra 6500.

2018 The customer driven ecosystem of accessories is growing.

2019 In the continuous chase of the perfect field of luminance the new reflector is born.

2022 The launch of Snok 2000 X-pand, USB-C charging and LX mounting system.

2023 The Mamba and Cobra get a total makeover.



The 2009 prototype

Cobra I



Cobra IIx



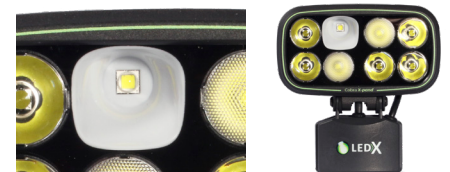
Kaa

Mamba

Cobra



Some of the accessories



New shape of reflector





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All LEDX Lights are designed and manufactured in Sweden and tested in tough Scandinavian outdoor conditions.

LIGHTING
THE DARKNESS

LEDX Lights was born in the Scandinavian winter to tame the darkness. The phrase refers to the feeling of being surrounded by light when using lamps from LEDX Lights.

X FACTORS

ULTIMATE PERFORMANCE

- Cutting edge technology
- Unique field of luminance
- X-pand technology



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- Reliable & built to last
- In market development & production
- Proof of quality



LEDX SYSTEM

- Wide range of accessories
- Customizable bundles
- Comptibility in focus



LEDX RENEWAL

- Circular mindset
- High quality & repairable
- Service & maintainance



UNIQUE FIELD OF LUMINANCE

"X-pand" is our way of describing the unique field of luminance that a LEDX Lights lamp generate. The wide and smooth but yet powerful beam pattern is created by a carefully chosen set of lenses and reflectors.

X.pand
Technology

User
view



View
from above



Spot
lens



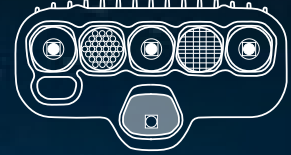
Diffuser
1



Diffuser
2



Reflector



Total field of
luminance

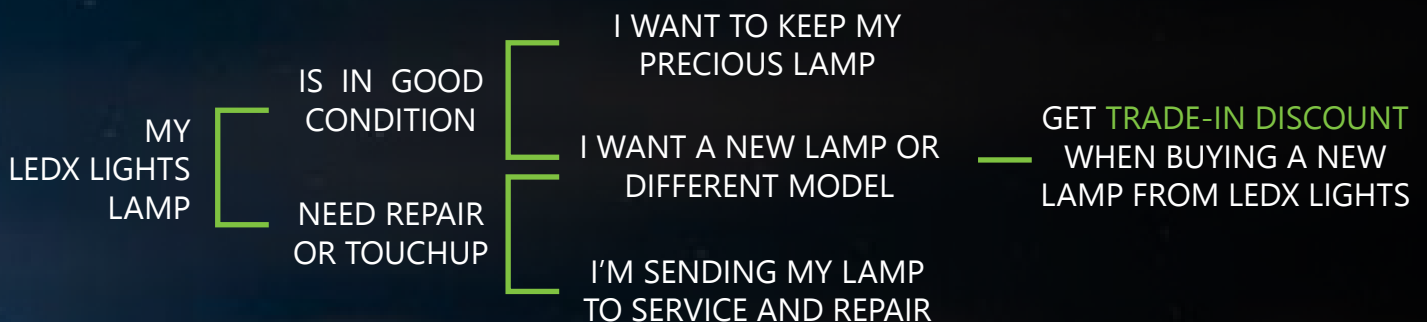
THE LEDX SYSTEM

The LEDX system contains a wide range of accessories such as cables, batteries and different of mounts. The base for all lamps and mounts is the LX mount, developed by LEDX Lights.



CIRCULAR MINDSET

All LEDX Lights lamps are high quality products. But they are also designed to be repairable if needed. Through LEDX Renewal you can get your lamp repaired or a trade-in discount when buying a new one.



ACTIVITIES

ENDURO

Ultra compact and robust lamp that could be feeded by 12V.

Tomas Persson - "One of my best friends in world's toughest enduro race is clearly Cobra 6500 X-pand."



ORIENTEERING

LEDX Lights offers the optimal tool for night orienteering.

"LEDX Lights has it's roots in orienteering sports. From the beginning of LEDX Lights we've always strived to create a lamp becoming a top choice for elite orienteer"



MTB

Night or day, do not let the darkness restrict you.

Elina Davidsson - "With LEDX I can maintain high quality training throughout the year, which has previously been difficult during the dark winter months!"



SNOWMOBILE

Optimal light cone for increased safety and speed.

Marcus Edlund - "LEDX opens up evening driving to a whole new level when darkness goes to daylight and the lamp produces contours that were not thought possible.."



HUNTING

Optimal light scattering that starts at yours feet and reach as far as you need in all directions.

“When you are looking for damaged game, good light is a prerequisite for safe and efficient hunting.”



CROSS COUNTRY SKIING

LEDX Lights headlamps are used by some of the world's best cross-country skiers.

“The powerful light makes them a perfect partner for skiing far beyond the electric light trails.”



OUTDOOR AND ADVENTURE

LEDX Lights offer a wide range of headlamps - for any adventure.

“Whether you're going on a short trip, or leaving civilisation behind for many days, LEDX Lights give you the light and reliability you need.”



RUNNING

LEDX Lights develops ultimate headlamps for exercise and trail running

“With a good headlamp, you can see where you're going and avoid obstacles like rocks and roots, while keeping your pace up and focusing on your running technique.”



BIKING

LEDX Lights illuminate your cycle path in the

"Our lights provide a clear and even beam of light that can illuminate large areas, making it easy for cyclists to see what's in front of them and alert other road users"



ICE-SKATING

Your trusted companion on any dark skate-trip.

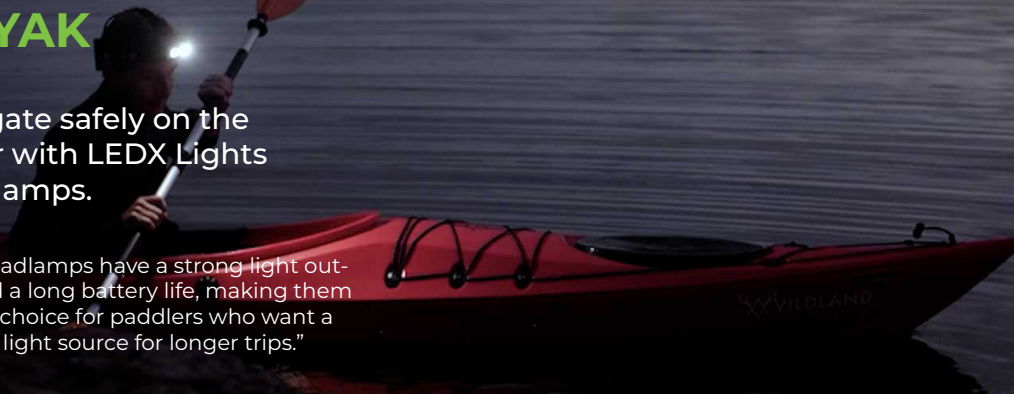
"With the right headlamp for long distance skating from us, you can enjoy a safe and comfortable ride even when the sun goes down."



KAYAK

Navigate safely on the water with LEDX Lights headlamps.

"Our headlamps have a strong light output and a long battery life, making them a great choice for paddlers who want a reliable light source for longer trips."



INDUSTRY

LEDX Lights develops ultimate headlamps for working in industry.

"For professionals, durable products are a must. A light on a helmet can take a lot of punishment and that is exactly what LEDX Lights lights are designed to withstand."



HORSE RIDING

LEDX Lights develops ultimate headlamps for riding and equestrian sports.

"Our Snok headlamps are a great solution for riders who need powerful and reliable lighting during their ride. With a brightness of up to 2000 lumens and several different light modes."



Snok 2000 X-pand



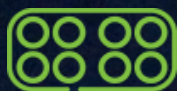
Snok is the small lamp with a big light. With highly efficient electronics and two Cree LEDs, smartly packaged in a durable lamp housing made of aluminium, Snok provides a fantastic light image with a brightness of 2000 lumens.

With both a lamp and battery on your head, Snok is a perfect headlamp for all sports, adventures, everyday activities or jobs that require a smaller and lighter lamp, but where the demand for good light is still great.

Two Cree LEDs provide up to 2000 lumens, programmable from 100 to 2000 lm in five steps. Together with our X-pand technology, Snok gives the user an almost complete light image that fills almost the entire field of view, both in height, sideways and in depth.



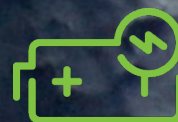
6000K
Colour temp.



2000
Lumen



48H
Lowest power



1.30H
Highest power

Cobra X-pand G4



The Generation 4 Cobra from LEDX Lights sets the golden standard for high-performance headlamps. It is the strongest shining, longest lasting, and lightest lamp on the market.

The hallmark of the lamps is the X-pand technology. The LEDX developed X-pand reflector combined with state-of-the-art optics, renders a unique field of luminance which is, without a doubt, unprecedented by any competitor. The Cobra's position, balance, and light weight have been carefully engineered to provide a comfortable fit. When combined with the LEDX Head Gear, the Cobra delivers unparalleled comfort, allowing you to focus on your activity without distraction.

The Generation 4 Cobra stands out as the brightest and longest lasting headlamp available. When used with LEDX batteries, it emits an astounding 7000 lumens for up to nearly 2 hours of continuous operation and has a range of 400 meters at 100% power according to ANSI FL1. Activate the Boost function with a quick double tap, and the Cobra will unleash an impressive 7500 lumens and provides a range of 430 meters according to ANSI FL1.

Weighing just 160 g, the Cobra is remarkably light-weight. The balance between power and weight, makes a headlamp that excels in all aspects of performance.



6500K
Colour temp.



7000
Lumen



85H
Lowest power



2H
Highest power

Mamba X-pand G4



The Generation 4 Mamba from LEDX Lights represents the pinnacle of high-performance headlamps. It boasts unparalleled brightness, extended battery life, and remarkable lightweight design.

The hallmark of the lamps is the X-pand technology. The LEDX developed X-pand reflector combined with state-of-the-art optics, renders a unique field of luminance which is, without a doubt, unprecedented by any competitor.

Designed with user experience in mind, the Mamba offers optimal ergonomics and comfort. Its position, balance, and light weight have been carefully optimized to provide the best possible fit and feel.

When paired with LEDX batteries, the Mamba emits a powerful 4500 lumens for up to 2 hours of continuous use and a range of 270 meters at 100% power according to ANSI FL1. For those times when you need an extra boost, simply double tap the button to activate the 5000 lumen Boost function that gives a range of 290 meters according to ANSI FL1.

Weighing in at only 125 g, the Mamba is incredibly lightweight. Its exceptional lumen-to-weight ratio puts it in a league of its own.



6500K
Colour temp.



4500
Lumen



85H
Lowest power



2.10H
Highest power



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THE WINNER MAKES IT ALL



ISPO
Award
2023



Winner

LEDX Lights is the winner of ISPO Award 2023

The ISPO Award recognizes the most innovative products in the sports industry, and this year the winner was the Mamba X-pand G4 headlamp from LEDX Lights. It is a great recognition in the highly competitive international market. Mamba X-pand G4 is the fourth generation of high-performance headlamps and provides a unique light pattern and powerful light.

BUNDLES



Snok 2000 X-pand Kit

The standard Snok kit with lamp, headgear, battery and USB charging cable.

Snok is the small lamp with a big light. With highly efficient electronics and two Cree LEDs, smartly packaged in a durable lamp housing made of aluminium, Snok provides a fantastic light image with a brightness of 2000 lumens.



Mamba X-pand G4 Kit

Designed with the user experience in mind, Mamba offers optimal ergonomics and comfort. Its position, balance and low weight have been carefully optimised to provide the best possible fit and feel.

When combined with LEDX batteries, the Mamba emits a powerful 4500 lumens for up to 2 hours of continuous use and a range of 270 metres at 100% power according to ANSI FL1.



Cobra X-pand G4 Kit

Cobra's position, balance and low weight have been carefully designed to provide a comfortable fit. The Generation 4 Cobra is the brightest and longest lasting headlamp available. When used with LEDX batteries, it emits an astonishing 7000 lumens for up to almost 2 hours of continuous operation and has a range of 400 metres at 100% power according to ANSI FL1.



Enduro Kit Pro

The Enduro Kit Pro is a package specially designed for Enduro MX riders to provide optimal light during night riding, allowing them to ride quickly and safely, both in technical sections of the forest and on faster sections of the track. Mount two lights on the helmet for battery operation and one light on the cover for operation by cable from the motor-bike battery.



Enduro Kit Light

The Enduro Kit Light is a package specifically designed for Enduro MX riders to provide optimal light during night riding, allowing them to ride quickly and safely, both in technical sections of the forest and on faster sections of the track. The light is mounted on the bendable aluminium rail, which in turn is mounted on the helmet and adapts to its shape.



Mamba X-pand G4 Light Kit

The Mamba G4 Light Kit is intended for those who want to power the Mamba with the snok battery (36 Wh). At 40% power, the lamp reaches 2300 lumens and has a burn time of 1 hour and 50 minutes. The big advantage of powering Mamba with the snok battery is its flexibility. The battery weighs less and unlike the larger batteries, it can be attached to the back of the head frame (bracket included in the package).



Snok Kit Pro

Snok Kit Pro includes light, head stand, battery, USB charging cable, extension cable 1m, light holder for smooth helmet and bag. Snok is the small lamp with a big light. With high-efficiency electronics and two cree LEDs, cleverly packaged in a durable aluminum housing, Snok delivers a fantastic light output with a brightness of 2000 lumens.



Snok Kit OL

The Snok Kit OL is a package specially designed for the orienteering runner. To succeed in night orienteering, it is important to stay on course by quickly reading objects in the terrain. Thanks to the X-pand technology you get a wide and balanced light image, this in combination with a well-balanced lamp housing, low weight and the most advanced head position on the market, Snok Kit OL is the perfect choice for the orienteer.

MOUNTS



Lamp and battery mount with adhesive tape

Kit with lamp and battery mount for plane helmets. Compatible with Snok lamp and battery with LX mount.



Mount for handlebar

Bicycle handlebar mount for Snok lamp. Compatible with the Snok lamp's LX mount.



Weapon mounting kit LX-mount

Kit for mounting Snok lamp and battery onto a weapon. Compatible with the Snok lamp's LX mount.



Lamp mount for helmets with air vents LX-mount

For attaching LEDX lamps on bicycle helmets or other helmets with air vents.



Lamp mount with adhesive tape

Helmet mount for mounting lamp on plane helmets. Compatible with LX mount.



Helmet mount for Enduro single

For mounting the LEDX lamp on Enduro and scooter helmets, LX mount. Bendable aluminium rail that easily adapts to the shape of the helmet. Mounted under the existing screen with three extra long nylon screws that are included.



Helmet mount for Enduro double

For mounting 2 LEDX lights on Enduro and scooter helmets, LX mount. Bendable aluminium rail that easily adapts to the shape of the helmet. Mounted under the existing screen with three extra long nylon screws included.



GoPro Adapter LX-mount

Adapter to put your LEDX light with LX mount on your GoPro mount.



Battery holder Pro

Battery mount for snook battery (116-4) on head-gear pro (162-4).

CABLES



Extension cable 100 cm

Extension cable 100 cm if you want to carry the battery in a bag, pocket or battery vest.



Extension cable 150 cm XT60 connector

Extension cord with a XT60 male connector and LEDX female connector. Compatible with 170-5 or 170-6 cables when 12V output is used.



Extension cable 150 cm LEDX connector

Extra long extension cable of 150 cm with LEDX connectors. Suitable for example helmet light with 12V source, it needs to be paired with protective cable 170-41 to power the lamp on the helmet.



Extension cable 50 cm

Extension cable for Snok if you want to carry the battery in a backpack, pocket or battery vest, for example.



Protection cable 1 lamp

Protective cable for connecting 1 LEDX Lights lamp to 12V DC such as Enduro MX, four wheeler, snow scooter, etc. Protects the lamp from high voltage and short circuit.



Protection cable 2 lamps

Protective cable for connection of up to two LEDX Lights lamps to external energy source, 12V DC. Protects the lamps from high voltage and short circuit.

BATTERIES



Battery 14.4 V 141 Wh

Battery for Cobra, Mamba and Snok. The battery is equipped with battery indicator with LED indication in five steps, it is charged with USB-C-PD.



Battery 10.8 V 106 Wh

Battery for Cobra, Mamba and Snok. The battery is equipped with battery indicator with LED indication in five steps, it is charged with USB-C-PD.



Battery Snok 7,2V

Battery for Snok 2000 X-pand. The battery has a battery indicator with five LEDs, these can also be used as a red taillight when worn on the neck when you use the lamp for example in traffic.