Snok 2000

X·pand

LEDX LIGHTS

Congratulations on your choice of LEDX Lights headlamp

You have chosen a quality product developed and manufactured in Sweden for tough conditions. By using components of highest quality and giving you access to our excellent service, we create long-lasting products thus reducing the environmental impact. Please contact LEDX Lights service department for maintenance and repair if you are experiencing any problems with Your product.

Safety regulations

Warning!

The light from the lamp is very powerful, avoid looking directly into the lamp or aiming into your own or somebody else's eyes. Close your eyes and move your head away from the light beam if someone accidentally directs the light into your eyes. Don´t use binoculars or any other powerful focusing optics to look at the light beam.

Don´t try to repair the lamp or the battery yourself, if for any reason it is not working. Trying to open the battery yourself is associated with the risk of fire or explosion. Contact LEDX Lights service for guidance in case you are experiencing any problems with your product.

Heat dissipation:

The lamp can get very hot, appr. +70°C. If the lamp is used without adequate airflow, outdoors or indoors, in a couple of minutes lamp effect will be gradually reduced to appr. 75%, or 1600 lumens. The lamp needs constant airflow through the cooling fins achieved by movement to deliver full effect. The speed depends on the surrounding temperature, but 6 km/h is considered to be a target value at +20°C.

The lamp has a built-in thermostat preventing the lamp from overheating. It automatically reduces the effect if the temperature exceeds +70°C, the effect gradually increases when the temperature goes down again.

Technology

Even the light beam gets very hot. The light from the lamp is very concentrated and can reach the temperatures over +100°C close to the lamp. Don't cover the lamp (for ex. put it in a pocket or a bag) when the light is on, avoid aiming at the flammable objects when near them. This could cause a fire or other damage.

NB:

Always disconnect the battery when the lamp isn't in use, for example for transportation or storage. This is to avoid the lamp turning on by accident and slowly draining the battery. The lamp uses some energy if connected to the battery even when it is off, though this energy usage is very low. There is a risk that the lamp can drain the battery and destroy or seriously damage it.

Water resistance:

The lamp and the battery are weathertight and can withstand all weather conditions and water splashes, but it shouldn't be used under the water or washed with a high-pressure cleaner. Meets IP65.

The lamp

Turn the lamp on

Connect the battery to the lamp, turn the lamp on by holding the switch-on button (appr. 1 sec). Switch between effect modes by clicking the button, turn the lamp off by holding the button. The lamp is in programme 5 with 3 effect modes and starts with the lowest effect when delivered. Later the lamp starts in the effect mode which was used when the lamp was switched off. If the battery is disconnected the lamp will start at the low effect the next time it is switched on.

The lamp can easily be tilted up or down, it could feel a bit stiff when the lamp is new. Usually, it is best to aim the lamp so the light goes straight forward, thus the lens and the reflector distribute the light and you get the right amount of it where you need it.

Burning time

The table below shows the approximate burning times with the standard battery. The lamp can be complemented with the LEDX Lights batteries with higher capacity if longer burning times are desired. (Available from Feb 2022).
Programmed modes and power usage as well as burn time for different modes apply to fully a charged battery and at appr. 20°C.

Programmed mode	Mode	Effect 5%	Effect 20%	Effect 40%	Effect 75%	Effect 100%	Blinks
1	1					x	1
2	2	x	x		x		2
3	3			x		x	3
4	4	x	x	x	x	x	4
5 (preselected)	5		x	x		x	5
Effect usage in watts		1	3,5	8	15	20	
Light output in lumens		100	400	950	1600	2000	
Burning time at 20°C		48	9 h	4 h	2 h	1 h 30 min	

Programming

The lamp can be programmed to adjust to your own preferences:

The lamp can be programmed to adjust to your own preferences: click the switch button 4 times quickly to activate the programming mode – the lamp shines. Click once at a time and the lamp will answer by blinking, showing which mode you are in – for example 3 clicks with the blinking sign in between them, the lamp will blink 3 times. When you've chosen the mode, hold the button in to turn the lamp off. You are now in your chosen mode, test to check it is the correct mode.

Reserve light

When there is just little energy left, the lamp gradually drops down to low effect and shines for extra 60 min with 400 lm and thereafter for 30 min with 100 lm. It is even possible to go directly to 100 lm and thus get extra burning time of 2h and 30 min.

1 h 30 min   400 lumens 60 min, 100 lumens 30 min

2 h 30 min   100 lumens

Battery

Li-Ion-battery with USB-C-charging, battery indicator and back light.

The battery needs to be charged before use, connect the included USB-C cable to your phone charger, your computer's USB-A port or equivalent, connect USB-C end to your battery. Depending on the charger's capacity the charging takes 4 – 8 hours if the battery is empty. Don't charge the battery at temperatures lower than +2°C.

Don't store the low charged battery, if there is 20 - 40 % capacity left (1LED visible) you should charge it within a week, if there is less than 20% left (1LED blinking) You should charge it within a couple of days to avoid damage. For long-time storage (a few months or longer) charge the battery to 40-60% and store it in a dry, preferably cool place, not warmer than normal room's temperature. Check the charging status every three months and charge it if needed.

The battery effect reduces with low temperatures, avoid using the battery if it's temperature is lower than -20°C. Li-Ion batteries have long life time and can be charged multiple times, however the battery's capacity and burning time with it will be reduced with time.

Reset the battery

Test resetting the battery by connecting the USB-C cable and charging the battery for a couple of seconds if LED-indicator can't be activated.

Battery indicator

Charging status is indicated by blinking LEDs turned on gradually; all 5 LEDs are constantly on when the battery is fully charged.

The same LEDs show the rest capacity left in the battery when not connected to the charger.

Click on the marked touch-button on the battery to activate the LED-panel.

LEDs on	Capacity % appr.
5	95-100%
4	80-95%
3	60-80%
2	40-60%
1	20-40%
1 blinking	1-20%

Red backlight

By holding the touch-button You can activate the strobing backlight from the

LED 1, 3 and 5. One short click in this mode will give You a constant light. Turn the backlight off by holding the button in.

Click mounting

The lamp and the battery can be easily moved between the headgear and different mountings in the LEDX Lights systems thanks to the new LEDX Lights LX-mount.

LEDX Lights systems

The lamp and the battery are the heart in LEDX Lights big systems of different lamps, batteries and accessories. Most of them are compatible with each other. LEDX Lights offers a wide range of accessories for the lamp to give you the opportunity to combine the best accessories with your unique needs. The lamp and the battery can be mounted on basically any type of helmets, there are mountings for firearms (compatible with Weaver and Picatinny), bike handlebars, etc. Extension cables, cables for connection to external 12V DC, etc. Check the attached accessory guide or visit https://ledx.se for the latest updates on the accessories.

Specification:

LED	2pcs LED Cree
Lighting system	*X-pand*
Mounting system	LX-mount
Connections	LX-connector

	Size	Weight
Lamp	66x52x29mm	71 g
Battery Li Ion 37Wh max/min, 1h30min - 48 h	88x50x36mm	200 g
Lamp with the headgear		125 g
Lamp with the headgear and battery		325 g
Power consumption max appr.		20 W
IP-class		IP65

Warranty

3 year warranty against manufacturing defects on Snok 2000 as well as all the other parts in the system except the battery where the following applies.

3 year warranty against manufacturing defects on the battery but with the deduction of 1/3 of a new price after one year and 2/3 after 2 years.

Warranty applies only if the lamp is used with LEDX batteries or connected to the external DC with max 12V using the LEDX Lights protective cables to protect against temporary over-voltage and short circuit.

This limited warranty applies only to the original customer. LEDX Lights guarantees that within the period of three (3) years from the purchase date your product is free from defects in function and materials when used normally. LEDX Lights is responsible to repair or replace your product under warranty. Please contact your dealer if the lamp shows defects under warranty time. Attach your proof of purchase when returning the lamp or sending it for reparation. Returns or repairs within warranty are not possible without the proof of purchase.

This warranty doesn't apply if the product has been modified or if it has been installed, used, repaired or maintained in any other way than instructed by LEDX Lights. Warranty doesn't apply if the product has been an object of an abnormal physical or electrical use or negligence, misuse or accident.

Warranty doesn't cover normal wear. LEDX Lights is not responsible for any direct or indirect consequences or injuries caused by use of this product. Under no circumstances is LEDX Lights responsibility greater than the amount you have paid for the product.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the limitations or exclusions above may eventually not apply without exceptions.

The product You buy from us should be free from defects when you get it. In the unlikely event your product has any defect, You should notify us within 14 days after receiving the product.
As a consumer You have a legal right for claims for up to three years from the purchase, but within reasonable time (two months) from the day the defect was detected.
Contact us on info@ledxlights.se for a quicker service, give us Your full name, attach a copy of Your order or receipt, a short description of the defect, a picture of the damage if it is possible as well as Your contact details (address, phone number and e-mail).

Never leave the battery empty or almost empty, make sure to charge it as soon as possible. An empty battery left for a long period of time is at risk of being damaged and unable to be charged again.