starMed

starLight nano X 1 / X 2 / X FILS
Instruction manual

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1	Light head incl. adapter pin	6	Charging station
2	Battery	7	Power supply unit
3	Touch sensor	8	Plug adapter
4	Red status display	9	Patient protection foil
5	Green status display		

Safety and warning notices
Magnifying glasses or other optical components must not be held in front of the light head, to avoid further intensifying the light. This device complies with DIN EN 62471:2009-03. Avoid direct light contact with the eyes. The light head's aluminium housing can become hot during use. The lamp should only be used with the compatible adapter, as it dissipates the heat.

Charging the battery
Before first use, the battery (2) must be fully and continuously charged. Connect the charger (6) to the mains. Place the battery (2) on the charging contact – the status display (5) flashes green and the charging process begins. When the battery (2) is fully charged, the status display (5) is constant green. Charge using a permanent power source (without overnight shutdown).

Use of the lighting system
starLight is designed for use in medical settings and is intended for intensive illumination of the area of treatment.

Mounting the starLight nano X1 / X2 light head
Insert the light head (1) into the starLight adapter of your loupes from above. The light head's adapter pin must be fully inserted into the hole. *(nano X FILS is already mounted).*

First use
Remove the fully-charged battery (2) from the charging unit (6). Place the battery (2) on the control unit. The battery (2) is placed and fixed in the correct position using magnets. Incorrect polarity of the battery (2) is not possible.

Patient protection
The patient's eyes must be protected from direct light irradiation using the protection film (9) supplied.

Switching on
The light is switched on when the battery (2) is placed in the light head or when the sensor surface (3) is touched.

Light intensity
You can adjust the intensity of the light by tapping the sensor (3). There are 4 levels to choose from. [100% / 66% / 33% / 0%] ⇄

Composite mode
Brightness level 3 (33%) is more gentle on the composite, reducing premature curing. **The starLight's orange filter is recommended as an option.**

Switching off
By tapping the sensor surface (3), you can reduce the brightness to 0%. Alternatively, remove the battery (2).

Operating mode
The status displays (4+5) light up for 3 seconds after the battery (2) is inserted in the light head. They indicate the charging status. [Green: 100-90% / Green+Red: 80-40% / Red: 30-0%]

System failure
If the status display (4) flashes red, this means there is a system error. Please contact our customer service.
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Cleaning and maintenance
The LED light requires no special maintenance. General dirt can be removed using a damp cloth. Only a microfibre cloth (not paper towels) must be used to clean the light head's ancillary lens. The LED light and the patient protection film can be disinfected using alcohol-free surface disinfectant.

Warranty
starMed guarantees the lighting unit for 24 months and the battery for 12 months from the delivery date (delivery note).

Technical data

Battery	Li-Ion 750 mAh
Operating time	approx. 10 hours (at the lowest level))
	approx. 2,75 hours (at the highest level))
Charger	100 V bis 240 V AC; 50 / 60 Hz
	1.200 mA, protection class II
Battery charging time	approx. 2 hours

Scope of delivery
1 case incl. protective filling 1 Instruction manual
1 light system
2 batteries
1 charging unit incl. 240 V mains plug
1 patient protection film

Ersatzteile / Zubehör

Battery nano X 1 / X 2 / X FILS	850-040-040
Charger nano X	850-040-030
Patient protection foil	1460-868
Foldable orange filter nano X1	850-99-150
Foldable orange filter nano X2/X FILS	850-99-151

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