

**STAUDTE<sup>®</sup>  
HIRSCH** 



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**Lighting technology.**

Sturdy. Pioneering.  
Extraordinary. Powerful.

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## LED Work Lamp SH-5.100

### Staudte Hirsch SH-5.100 Work Lamp, for professional work use

The rechargeable SH-5.100 LED Work Lamp is for mobile lighting both indoors and outdoors, and has been designed for professional work use. Its double beam principle ensures intensive and even illumination of the work area.

Two daylight-white high-performance LEDs from Cree guarantee an extremely bright light, whilst the high-quality lithium-ion battery ensures a long run time. Thanks to the swiveling lamp head, emergency light function and the 5 lighting modes, it is versatile in use. It is also approved for use in road traffic as a warning light.

By virtue of the materials used and the first-class manufacture, the SH-5.100 is of a quality that pays for itself under the harshest conditions.

**Features:**

- 2 x 8 W Cree LEDs (1,040 lm each)
- 8,000 mAh lithium-ion battery
- Run time of up to 16 h
- Light range up to 250 m
- 5 lighting modes, including focus light and flood light
- Extremely robust housing with IP 54
- Emergency light function
- Approved for use as a warning light in road traffic
- Stable, slip-proof, lightweight and handy
- Rechargeable with 100 - 240 V AC plug-in power unit or 12/24 V DC car charging adapter



Includes diffusing plate for use as a warning light



Easy-to-use rotary switch and charging status indicators



Slip-proof base, thanks to rubber footing



Charging cradle with visual charge control indicator



- Rubber-coated carrying handle
- Solid aluminum ring
- Rubber lens protector
- Scratch-proof glass
- Upper LED: precision focus light with full and half luminosity
- Lower LED: wide-area flood light with full and half luminosity, warning light with flashing function
- 110° swivelable lamp head
- Magnetic storage tray below the lamp head
- Robust housing made of shock-resistant plastic with IP 54
- High-performance lithium-ion battery, with run time of: 6 h at full and 11 h at half luminosity, 16 h in flashing mode
- Slip-proof base thanks to rubber footing
- Charging cradle with charge control indicator

**Rear:**

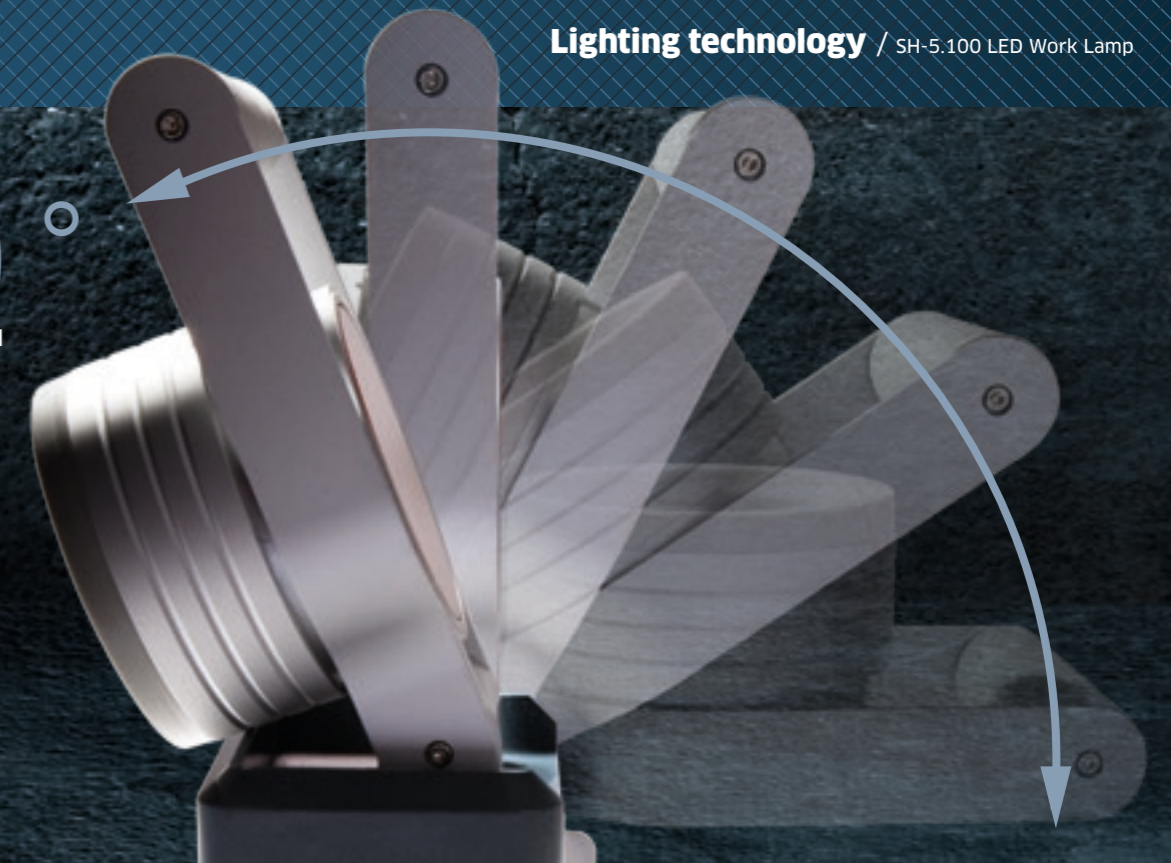
- Storage space for diffusing plate at the back of the lamp
- Easy-to-use rotary switch to select the lighting modes
- Visual charging status indicator

**2 x 8 W**

double beam technology  
for focused lighting and  
broad illumination



**110°**  
swivelable lamp head



## Double beam technology - You see better with two eyes

With its double-beam principle, the SH-5.100 Work Lamp always provides the perfect light. This is because the double beam technology (2 x 8 W XHP50 LEDs from Cree) combines several lighting options within one Work Lamp.

### Cree-XHP50 - 8 W LEDs of the latest generation

Equipped with the latest LED technology, the SH-5.100 guarantees extremely bright light. The 2 daylight-white (6,500 K) high-performance LEDs from Cree, with a peak light output of 130 lm/W, provide unique power.

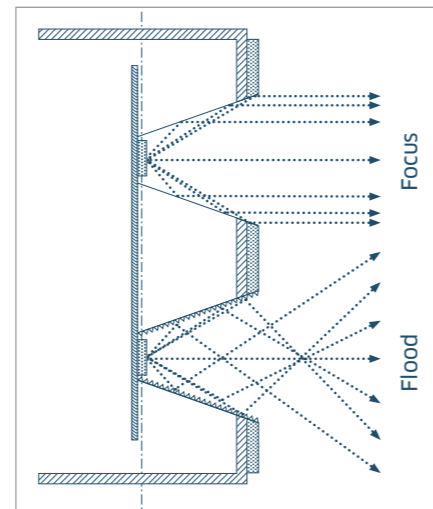
When the Cree Extreme High Power LED is operated at the maximum approved current, it emits a light quantity that is twice that of the brightest comparable LED on the market to date! **At full brightness, its luminosity is 1,040 lm.**

This extreme brightness is achieved through optimization of light conversion and thermal resistance. This increases both the lumen rating and the service life of an LED.

The two XHP50 LEDs in the SH-5.100 thus each achieve a service life of around 50,000 hours, even with high currents and high temperatures.



The light output (lm/W = lumen per watt) indicates the economy of a lamp. The more lumen (light) per watt (energy expended), the better the efficiency.



**Focus light:** smooth reflector for focused lighting  
**Flood light:** ribbed reflector for broad illumination

## Light exactly where and how you need it

### Swiveling lamp head

With the swiveling lamp head, you can direct the beam of the SH-5.100 individually - for example, directly focused on your field of work, or over a wide area to illuminate a space. The angle of inclination is 110°.

### Lighting Modes - Versatile application possibilities

5 different lighting modes guarantee you the best possible illumination:

Mode	Function	Beam angle	Luminosity	Runtime	Lighting range
1	Flood light	90°	100 %	6 h	ca. 75 m
2	Flood light	90°	50 %	11 h	ca. 50 m
3	Focus light	10°	100 %	6 h	ca. 250 m
4	Focus light	10°	50 %	11 h	ca. 120 m
5	Flashing mode	90°	50 %	16 h	ca. 50 m

### Emergency light function - Safety in power cuts

If the SH-5.100 is in the charging cradle when the power supply fails, thanks to the integrated emergency light function it automatically switches on. This is on condition that the charging cradle is connected to the mains and the lamp is switched on in the desired mode.

In the event of a power failure, the work lamp thus becomes a reliable source of light, for example in rooms and corridors without windows and emergency power supply.

### Reliable warning light in road traffic - to secure hazards and accident sites

With the flashing light function and the orange diffusing plate that is included in the scope of delivery, the SH-5.100 is also ideally suitable for use as a warning light, for example to give warning of hazards or to secure construction sites.



Accessories included:  
Charging cradle, diffusing plate, plug-in power unit  
and car charging adapter

### Lightweight lithium-ion battery with 8,000 mAh

Due to its high-quality 8,000 mAh lithium-ion battery, the SH-5.100 Work Lamp is your reliable companion. With a run time of 11 h at half power and 6 h at full power, you can cover almost a full working day with just one battery charge. The lithium-ion battery achieves this reliably stable power through its high energy density. It guarantees you a long length of use and also minimizes its weight.

The battery can be charged by means of a 100 - 240 V AC plug-in power unit or a 12/24 V DC car charging adapter.

Thanks to the battery's low self-discharge, the SH-5.100 remains always ready for use, even if used only sporadically.

Protection against overcharging and deep discharge ensures that the battery has a long service life. The current charge status of the battery can be read at any time, via three LEDs which are fitted to the rear.

#### Benefits of lithium-ion battery technology:

- High energy density
- Maintenance-free
- No loss of performance through memory effect
- Low self-discharge
- Lightweight
- High-performance
- Long-life

### Designed for extreme work applications

- The housing, which conforms to protection category IP 54, is protected from dust and splashed water, and is extraordinarily robust. The SH-5.100 can thus be used even under extreme conditions.
- The body is manufactured from high-quality, shock-resistant plastic. The lamp head has been reinforced with a solid aluminum ring. A wide, solid rubber ring and the scratch-proof glass protect the lens from possible damage.
- The lamp stands stable and secure, even on smooth or sloping surfaces - thanks to the balanced distribution of weight and the rubber-footed base.
- It is perfectly adapted to the everyday world of professional work. With the easy-to-use rotary switch, it is easy and safe to operate even when wearing gloves.
- The robust, rubber-coated carrying handle has been developed for convenient carrying. The magnetic storage tray below the lamp head will keep even the smallest screw safe.

### Technical data

Type of battery	Li-ion battery
Capacity of the rechargeable battery	8,000 mAh
Nominal voltage of the battery	7.4 V
Light sources	2 x Cree XHP50 LED
Power consumption (max.)	8 W
Light range	Flood light 100 %: approx. 75 m Flood light 50 %: approx. 50 m Focus light 100 %: approx. 250 m Focus light 50 %: approx. 120 m Flashing light 50 %: approx. 50 m
Runtime	6 h at full luminosity 11 h at half luminosity 16 h in flashing mode
Luminous flux	1,040 lm at full luminosity per LED
Lifespan of light source	50,000 h
Color temperature	Daylight white (6,500 K)
Beam angle	Focus light: 10° Flood light: 90°
Lighting modes	5
Emergency light function	Yes
Inclination of lamp head	110°
IP protection	IP 54
Plug-in power unit	Input: 100 - 240 V AC / 50/60 Hz, max. 0.32 A Output: 12 V DC, max. 1 A
Car charging adapter	12/24 V DC
Charging time	approx. 8 h
Temperature range	- 25 °C to + 50 °C
Deep discharge protection	6.2 V +/- 0.1 V
Overcharge protection	8.4 V +/- 0.1 V
Material	ABS, PC, TPE plastic; aluminum
Color	black, red
Dimensions (L x W x H)	121 x 119 x 319 mm (lamp), 150 x 164 x 53 mm (charging cradle)
Weight	1.37 kg (lamp), 0.30 kg (charging cradle)
Article no.	551000

### Scope of delivery:

- LED Work Lamp SH-5.100
- SH-5.900 Charging Cradle
- Diffusing plate (orange)
- Plug-in power unit
- Car charging adapter
- Instruction manual in DE, GB, FR, NL, ES, PL

# IMPRINT

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