

**STAUDTE[®]
HIRSCH** 



Lighting technology.

Sturdy. Pioneering.
Extraordinary. Powerful.

STAUDTE HIRSCH GERMANY

Dear business partner,

Tradesmen, industry and service providers need robust and powerful lamps for long-term use even under the harshest conditions.

That is just where the story of Staudte Hirsch starts.

Every Staudte Hirsch product contains over 20 years of German engineering expertise from the Bavarian engineering company IVT. Our IVT developers have set themselves the goal of developing products that set new standards in their category. We think that sales of over 2.5 million IVT lamps speak for themselves.

Now the first Staudte Hirsch products are here! On the following pages, you will find the LED Work Lamp SH-5.100 and the LED Portable Lamp SH-5.200.

Even the first impression leaves no doubt – Staudte Hirsch lamps are just what you would expect from a German manufacturer:

**Sturdy manufacture. Pioneering technology.
Extraordinary function. Powerful performance**



We provide a 3-year manufacturer's warranty for all our products (rechargeable batteries excluded).

The economical and powerful Staudte Hirsch products are marketed exclusively via the wholesale trade and authorized specialist retailers.

You will already have noticed – we take uncompromising quality and first-class service personally. Have we sparked your interest? Then make the switch to affordable performance and the built-in professional service from Staudte Hirsch.

Yours



Reinhard Staudte,
Director, Product Development



Helmut Staudte,
Director, Distribution

Sturdy.

Long-life components, scratch-proof glass and a robust housing – Staudte Hirsch lamps stand up to extreme conditions.

Pioneering.

Emergency light and flashing light function, several power settings, swiveling lamp head – Staudte Hirsch lamps are pioneering in their technical features.

Extraordinary.

LED technology of the latest generation, innovative double beam principle, intensive or even illumination – Staudte Hirsch lamps provide unusually powerful illumination.

Powerful.

Long periods of work and varied working environments – powerful lithium-ion batteries provide reliable, constant and good brightness, right to the last second.

5

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:

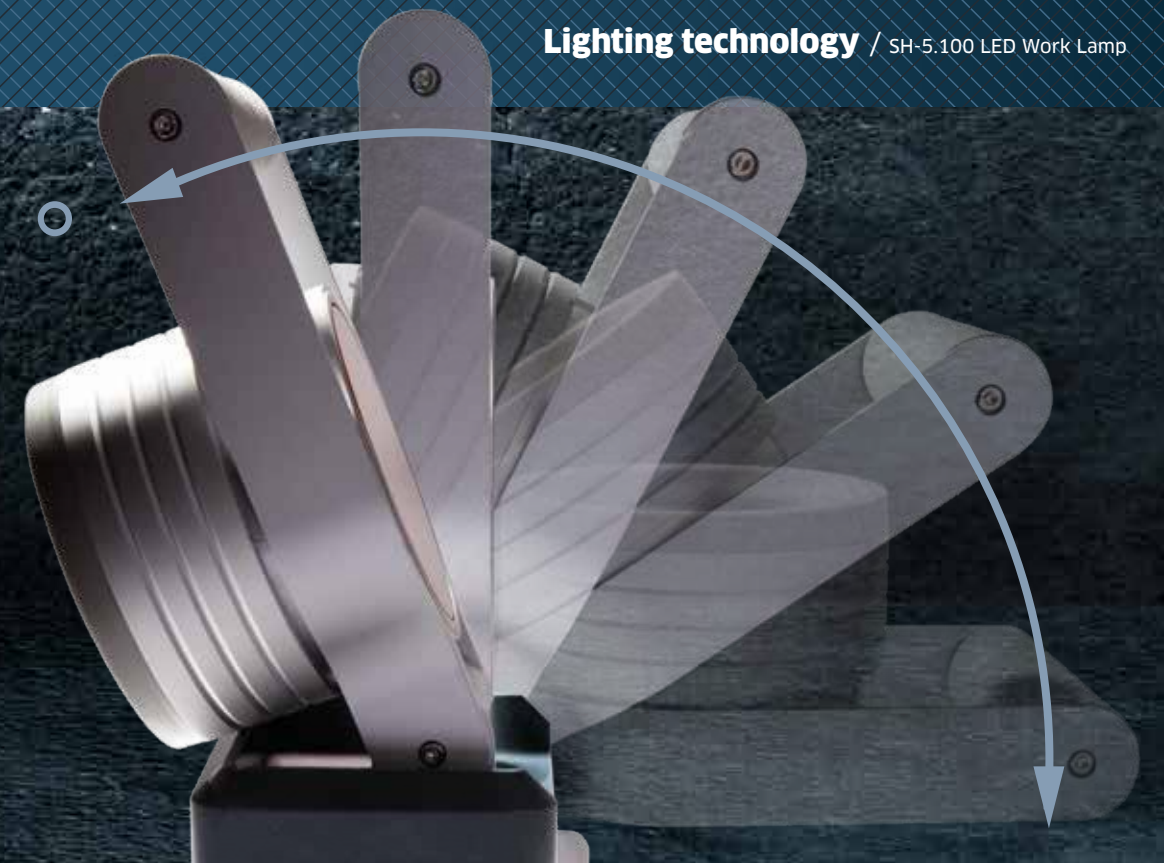
- Storage space for diffusing plate at the back of the lamp
- Easy-to-use rotary switch to select the lighting modes
- Visual charging status indicator

2 x 8W

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.

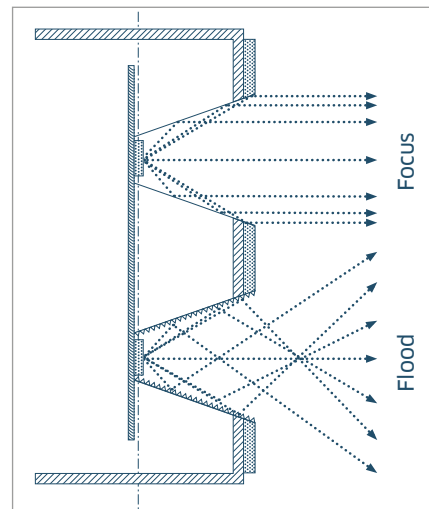
When the Cree Extreme High Power LED is operated at the maximum approved current, it emits a light quantity that is twice that of the brightest comparable LED on the market to date! **At full brightness, its luminosity is 1,040 lm.**

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.



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 3 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

5

LED Portable Lamp SH-5.200

Staudte Hirsch SH-5.200 Portable Lamp, for professional use on the go

The rechargeable SH-5.200 LED Portable Lamp is for mobile lighting both indoors and outdoors, and has been designed for professional use. Its double beam principle ensures intensive and even illumination of the desired 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 emergency light function, approval for use in road traffic 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-5.200 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



Available as an optional accessory: orange 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
- Magnetic storage tray below the carrying handle
- 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

Side:

- Easy-to-use rotary switch to select the lighting modes
- Visual charging status indicators



2 x 8 W

double beam technology
for focused lighting and
broad illumination



Double beam technology - You see better with two eyes

With its double-beam principle, the SH-5.200 Portable 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 portable lamp.

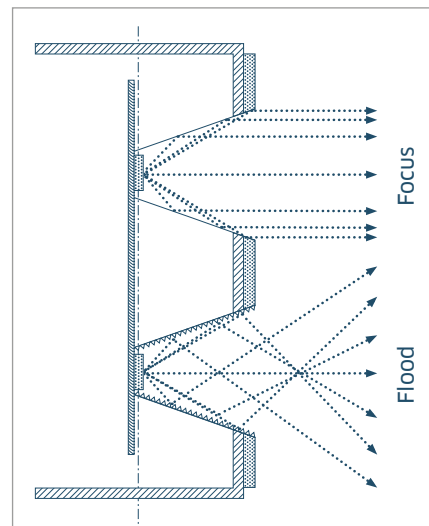
Cree-XHP50 - 8 W LEDs of the latest generation

Equipped with the latest LED technology, the SH-5.200 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-5.200 thus each achieve a service life of around 50,000 hours, even with high currents and high temperatures.



Focus light: smooth reflector for focused lighting

Flood light: ribbed reflector for broad illumination

Light exactly where and how you need it

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-5.200 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 portable 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 available as an optional accessory, the SH-5.200 is also ideally suitable for use as a warning light, for example to give warning of hazards or to secure construction sites.



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.



Lightweight lithium-ion battery with 8,000 mAh

Due to its high-quality 8,000 mAh lithium-ion battery, the SH-5.200 Portable 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-5.200 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 3 LEDs which are fitted to the side of the portable lamp.

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 plashed water, and is extraordinarily robust. The SH-5.200 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 portable 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 light 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		
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)	192 x 115 x 222 mm (lamp), 150 x 164 x 53 mm (charging cradle)		
Weight	1.25 kg (lamp), 0.30 kg (charging cradle)		
Article no.	552000		

Scope of delivery:

- SH-5.200 LED Portable Lamp
- SH-5.900 Charging Cradle
- Plug-in power unit
- Car charging adapter
- Instruction manual in DE, GB, FR, NL, ES, PL

Optional accessory:

Diffusing plate (orange), article no. 559020

MANU- FACTURER SERVICE

Added value for you
and your customers

For a fair partnership.

As manufacturers, it is important to us that you and your customers are always completely satisfied with our products. So in addition to the first-class products, we also offer you an extensive package of service and advice, and will be happy to support you in the marketing of our products if you wish.

Our extensive range of services includes the following:



Training courses for your staff:

Only staff who are experts in their own field can work out the best solutions for your customers. Our trainers will be pleased to provide your staff in Marketing, Customer Service and Service with the know-how and assurance to ensure optimum product advice, and can provide further tips on the expert installation of our equipment.



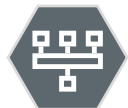
3-year manufacturer's warranty:

We are so convinced of the performance capability, technology and manufacture of our products that we offer you a 3-year manufacturer's warranty. Naturally this also applies to products that have been constructed, modified and designed to your wishes and specifications. Batteries are excluded from this warranty.



Individual sales promotion measures:

We shall be pleased to support you with promotional material, displays for your sales area, or other sales promotion measures, tailored to suit the advertising presence of your company.



Customer project work:

Do your customers have great things planned? We shall be happy to support you in producing tailor-made solutions for you and your customers. Talk to us, and benefit from our many years of experience.

You can contact us

on Mondays to Thursdays from 8.00 AM to 5.30 PM, and on Fridays from 8.00 AM to 3.30 PM
on the following telephone number:

+49 (0) 9622 71991-0



Repair service:

Fast and carefully executed repairs are taken as read by us. Repaired devices are returned to you within 7 working days. After the warranty has expired, we work out an estimate of costs for you beforehand.



Replacement parts service:

If you prefer to repair an item yourself, we can supply you with the necessary replacement part, even years after purchase. However, please note that repairs may be carried out only by authorized specialists.



Personal consultation:

Do you have any more questions? Our expert staff will be pleased to advise you in all questions relating to inverters, voltage transformers, solar technology, charging technology and mobile lighting. Just give us a call.

Telephone: **+49 (0) 9622 71991-0**

E-mail: **support@staudte-hirsch.com**

OEM

Individual product development



Different areas of application require individual adaptation.

In the development of our products, we place a particular emphasis on covering as many customer requirements and areas of use as possible, at a fair price/performance ratio. We thus produce robust products that are sturdy in terms of their manufacture, pioneering in terms of technology, extraordinary in terms of their function, and powerful in terms of their performance.

If you have any wishes or requirements of our products over and above this, we shall be happy to adapt them to your specifications, or work out individual solutions for you.

Individual trademark logo & design:

You want our products in an individual housing or design, printed with your own logo and your product name? We'll do it!

Individual product development:

If the product that you need does not yet exist in the design you want, we can develop it according to your individual specifications.

Individual technical features:

We can make practically any modification to existing products.

Some examples of frequent requests include:

- Country-specific adaptations to sockets and connections
- Voltage adjustment
- Extension or increase of protection category

and much more.

Individual accessories:

Should you also require special accessories, or would like to have what is already offered technically modified or branded according to your wishes, we are happy to do that for you.

Personal consultation:

We shall be pleased to make the time to advise you about possible individual solutions, either by telephone or on site. You can contact us

on Mondays to Thursdays from 8.00 AM to 5.30 PM, and on Fridays from 8.00 AM to 3.30 PM,
on the following telephone number:

+49 (0) 9622 71991-0

Extended warranty:

We do of course also provide a 3-year manufacturer's warranty on all products that have been constructed, modified and designed to your wishes and specifications.

IMPRINT

Staudte Hirsch

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Powered by IVT.

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