

SYSTEMATIC QUALITY

# SpotLED 24

SPOTLIGHT



Product information



**GIFAS**  
ELECTRIC

09|01

## GIFAS presents the SpotLED Spotlights with state-of-the-art LED technology!

The high-performing and energy-efficient SpotLED spotlights with state-of-the-art LED-technology offer a wide range of applications for interior and exterior lighting.

### Lights out – Spot on!

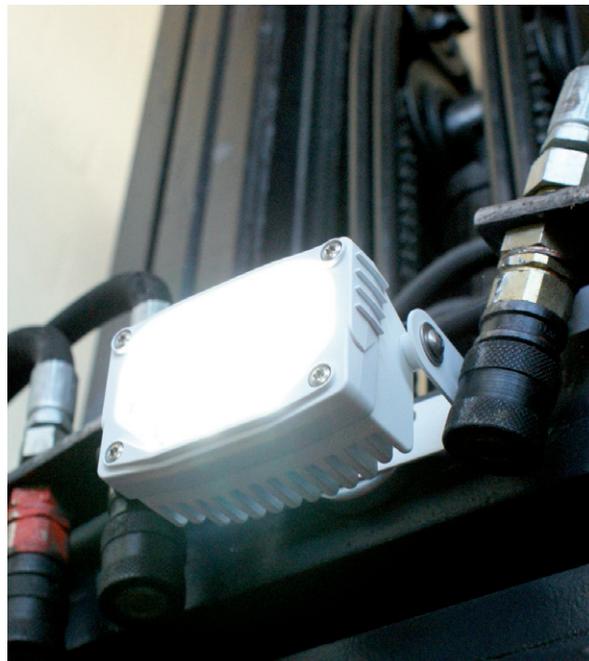
The housing material (cast aluminium) can be individually combined with the other components (LED, optics, colours) and can be used for a wide variety of lighting purposes.

Whether used outdoors on transportation or work vehicles (construction, agriculture, cleaning, waste disposal, snow cats) or in the garden and on storefronts – the SpotLED puts things in the right light.

There are also many applications for indoor lighting for rooms and work-spaces.

### Technical Data

Operating voltage:	12-30VDC, (24VAC upon request)
Power consumption:	500mA @ 24VDC, 950mA @ 12VDC
Lamps:	5 Power LED
System performance:	10W
Luminous flux:	750lm
Light colours:	warm white 2'800-3'200K cool white 6'350-7'000K
Protection category:	IP67
Protection class:	III
Surface temperature:	max. 55°C
Temperature range:	-30°C to +45°C
Weight:	348g

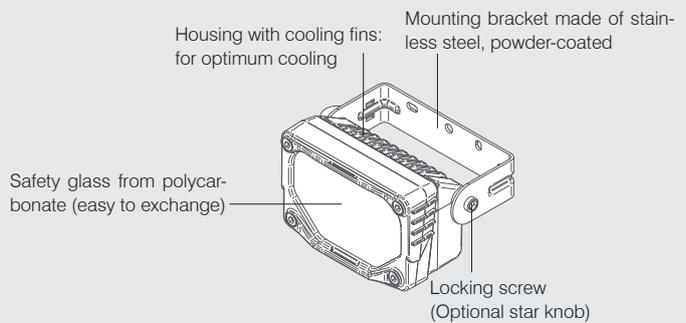
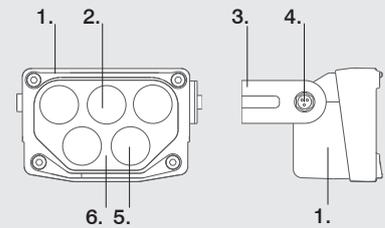


### Product Features

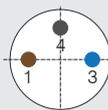
- Small spotlight in modern design
- Housing made of die cast aluminium
- Available in three housing colours: white, silver, black
- Brackets made of stainless steel V2A, powder-coated
- Light source: 5 Power-LED
- Various beam angles (different optics)
- Works perfect even at low temperatures, no flickering
- Dimming with potentiometer possible (500kOhm positive logarithmic)
- Thanks to vibration-proof LED technology, the maintenance costs are lower than with conventional lighting

### SpotLED Design

- 1 Housing
- 2 Optics
- 3 Mounting bracket
- 4 Connector
- 5 PowerLED
- 6 Safety glass



### Connection diagram



- 1 = brown (Wire number 1) + 24VDC
- 3 = blue (Wire number 3) optional connection for "dimmer"
- 4 = black (Wire number 2) - 24VDC

## Illumination properties

The SpotLEDs has a maximum rotation angle of 165°. Standard equipment for the SpotLED is a bracket that is supplied for easy wall mounting. The performance of a SpotLED with approx. 15W equals a halogen Spot with 150W.

## LED Colours

The standard light colour of the SpotLED is white. On request, the SpotLED is also available with red, green and blue LEDs. It is also possible to attach coloured filters in red, green and yellow that can be easily removed at any time (see page 7).



## Housing colour



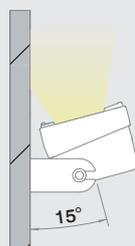
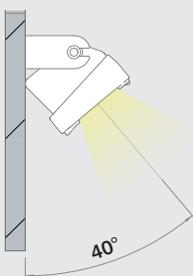
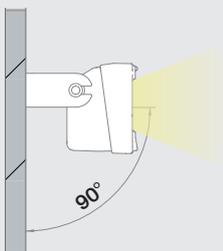
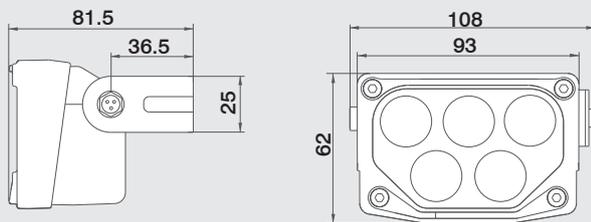
white housing



silver housing



black housing



## Light measurement

The measurements were conducted in a laboratory for lighting technology. During the entire measurement the room temperature was  $18 \pm 2 \text{ }^\circ\text{C}$ . The illumination was by ambient light in the laboratory at 0.5 Lux (lx).

## Beam Angles

Three different beam angles are available:  $5 \times 67^\circ$  (broad beam),  $5 \times 38^\circ$  (work light),  $5 \times 10^\circ$  (wide beam).

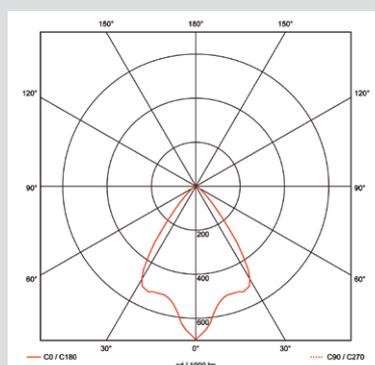
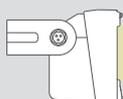
## Connection

- SpotLED is available in 2 executions:
  - SpotLED with built-in connector (IP67)
  - SpotLED with fixed connection cable (5m length, IP67)

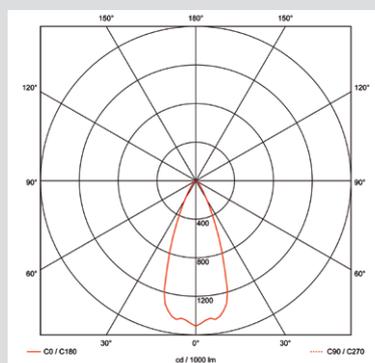
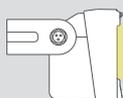
## Additional features

- 3 different housing colours: white, silver, black
- 5 different light colours: warm white, cool white, red, green and blue
- various beam angles
- 2 different light colours for SpotLED 24VAC: warm white and cool white

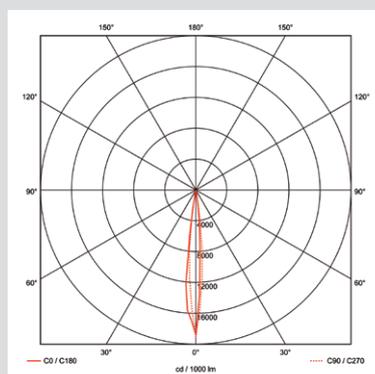
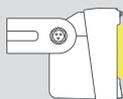
**Broad beam**  
( $5 \times 67^\circ$ )



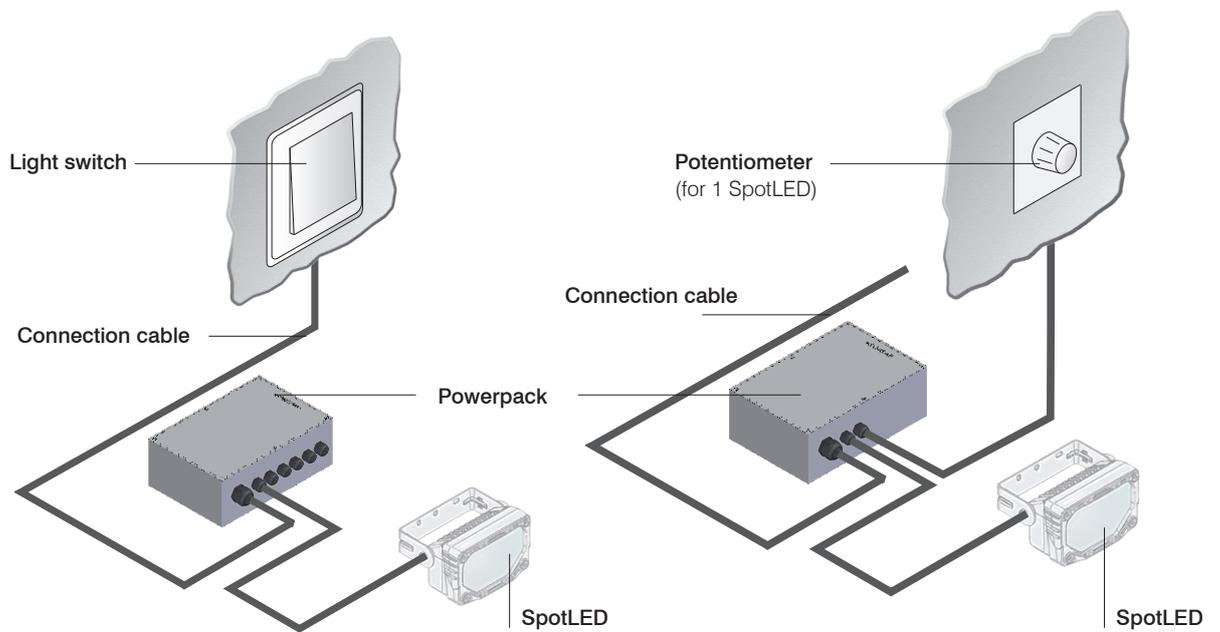
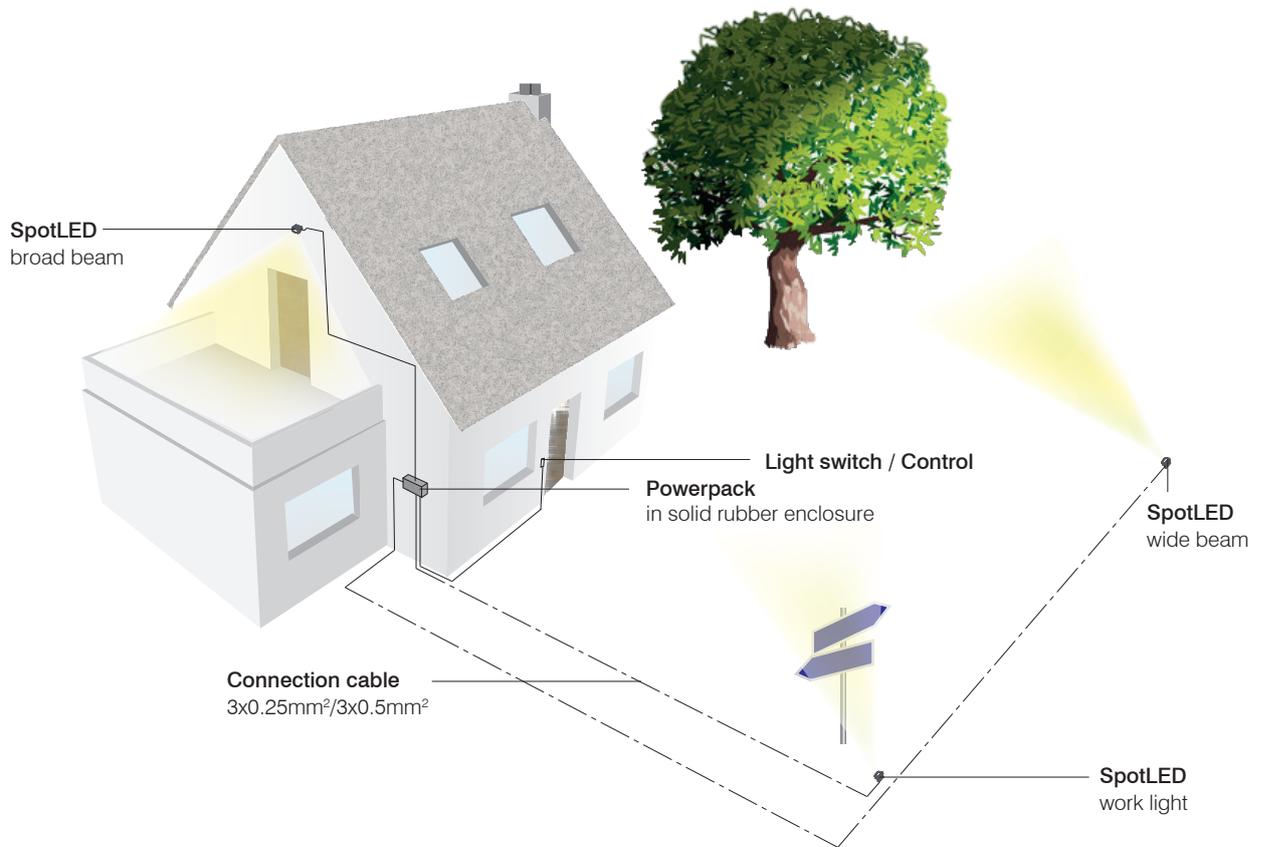
**Work light**  
( $5 \times 38^\circ$ )



**Narrow beam**  
( $5 \times 10^\circ$ )



# The main principle



## SpotLED with built-in connector \*



### Cool white 6'350K - 7'000K

Item No. with connector	Model SpotLED	Housing Colour	Optics
131039	Wide	white	5×67°
131040	Wide	silver	5×67°
131041	Wide	black	5×67°
038014	Medium	white	5×38°
038015	Medium	silver	5×38°
038016	Medium	black	5×38°
038020	Spot	white	5×10°
038021	Spot	silver	5×10°
038022	Spot	black	5×10°

### Warm white 2'800K - 3'200K

Item No. with connector	Model SpotLED	Housing Colour	Optics
131043	Wide	white	5×67°
131044	Wide	silver	5×67°
131045	Wide	black	5×67°
101866	Medium	white	5×38°
101867	Medium	silver	5×38°
101868	Medium	black	5×38°
101872	Spot	white	5×10°
101873	Spot	silver	5×10°
101874	Spot	black	5×10°

\* Various connection cable see page 8

## SpotLED with fixed connection

(Cable PUR 3×0.25 mm<sup>2</sup>, black, length 5 m)



### Cool white 6'350K - 7'000K

Item No. with connector	Model SpotLED	Housing Colour	Optics
131063	Wide	white	5×67°
131064	Wide	silver	5×67°
131065	Wide	black	5×67°
039635	Medium	white	5×38°
039636	Medium	silver	5×38°
039637	Medium	black	5×38°
039642	Spot	white	5×10°
039643	Spot	silver	5×10°
039644	Spot	black	5×10°

### Warm white 2'800K - 3'200K

Item No. with connector	Model SpotLED	Housing Colour	Optics
131067	Wide	white	5×67°
131068	Wide	silver	5×67°
131069	Wide	black	5×67°
104966	Medium	white	5×38°
104967	Medium	silver	5×38°
104970	Medium	black	5×38°
104974	Spot	white	5×10°
104976	Spot	silver	5×10°
104977	Spot	black	5×10°



Police boat



Van



Stacker



Machine



Machine



Reservoir

## Connection cable straight connector

3P, IP67, 3x0.25mm<sup>2</sup>



Item No.	Designation
100013	Connection cable <b>3 m</b> black, with straight connector
100014	Connection cable <b>5 m</b> black, with straight connector
101199	Connection cable <b>10 m</b> black, with straight connector
103662	Connection cable <b>20 m</b> black, with straight connector

## Plug-in power pack



Item No.	Designation
100346	Plug-in power pack with 2 m cable, <b>straight</b> connector, 230 VAC/24 VDC, 50 Hz, 700 mA
100347	Plug-in power pack with 2 m cable, <b>angled</b> connector, 230 VAC/24 VDC, 50 Hz, 700 mA

## Connection cable angled connector

3P, IP67, 3x0.25mm<sup>2</sup>



Item No.	Designation
100015	Connection cable <b>3 m</b> black, with angled connector
100016	Connection cable <b>5 m</b> black, with angled connector
101201	Connection cable <b>10 m</b> black, with angled connector
103661	Connection cable <b>20 m</b> black, with angled connector

## Installation material



Cable for fixed connection

Connector

Item No.	Designation
037604	Cable 3x0.5mm <sup>2</sup> , black without PE, numbered, Ø5.2mm
102635	Connector, 3P, IP67, with 0.2 m wire

## Extension cable

3P, IP67, 3x0.25mm<sup>2</sup>



Item No.	Designation
102631	Extension cable <b>2 m</b> , black, with plug, straight connector
102632	Extension cable <b>5 m</b> , black, with plug, straight connector
102633	Extension cable <b>10 m</b> , black, with plug, straight connector
102634	Extension cable <b>20 m</b> , black, with plug, straight connector

## Car connection cable



Item No.	Designation
100958	Car connection cable 12-24VDC with angled connector, 5 m, 2x0.5mm <sup>2</sup>

## Wing screw



Item No.	Designation
109212	Wing screw, for SpotLED, M5×10 mm

## Protective covers



Item No.	Designation
104431	Protective grid V2A
104508	Transparent cover for SpotLED
152996	Transparent cover (original)

## Coloured filter



Item No.	Designation
860031	Coloured filter set for SpotLED (green, red, yellow)

## Magnetic clamp



Item No.	Designation
101067	Magnetic clamp, galvanized, round, <b>without</b> rubber protection, Ø50×10 mm, force of 180 N, bore Ø8.5 mm

## Magnetic clamp



Item No.	Designation
101068	Magnetic clamp, rubberized, round, Ø66×8.5 mm, force of 180 N, M6 thread

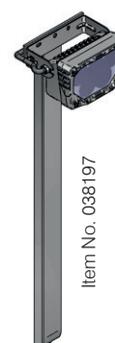


Item No.	Designation
101069	Magnetic clamp, rubberized, rectangular, 43×31×6 mm, force of 110 N, 2×M4 thread

## Rod



Item No. 106563



Item No. 038197



Item No. 126197

Item No.	Designation
106563	Rod round for SpotLED V2A Ø30×600 mm incl. buckle and installation material
038197	Rod T-profile V2A 505 mm, for SpotLED
126197	Rod 280 mm plastic PA6/GF

## Power pack in solid rubber enclosure colour light grey, IP65



Item No. 082283

Item No.	Designation
103570	Power pack, in solid rubber enclosure 125×125×76 mm, grey, 230VAC/24VDC, 0.6A, 15W, <b>for 1 SpotLED</b> input 1xM20, output 1xM16
082283	Power pack, in solid rubber enclosure 180×125×90 mm, grey, 230VAC/24VDC, 1.1A, 26W, <b>for up to 2 SpotLED</b> input 1xM20, output 2xM16, 1 dummy plug
101103	Power pack, in solid rubber enclosure 250×160×90 mm, grey, 230VAC/24VDC, 2.2A, 52W, <b>for up to 4 SpotLED</b> input 1xM20, output 3xM16, 1 dummy plug
103412	Power pack, in solid rubber enclosure 250×160×90 mm, grey, 230VAC/24VDC, 3.2A, 75W, <b>for up to 6 SpotLED</b> input 1xM20, output 6xM16, 3 dummy plug
103088	Power pack, in solid rubber enclosure 250×160×90 mm, grey, 230VAC/24VDC, 4.5A, 100W, <b>for up to 8 SpotLED</b> input 1xM20, output 8xM16, 3 dummy plug
102220	Power pack, in solid rubber enclosure 300×200×110 mm, grey, 230VAC/24VDC, 11.6A, 250W, <b>for up to 20 SpotLED</b> input 1xM20, output 20xM16, 5 dummy plug

## Power pack for DIN rail



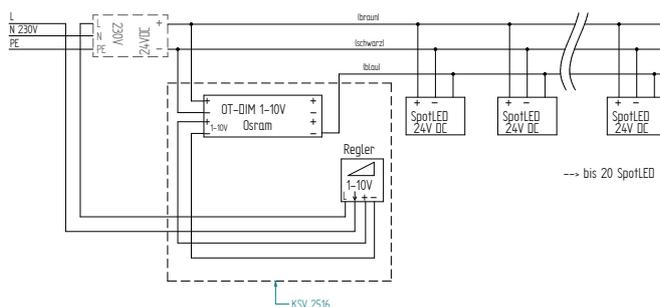
Item No.	Designation
034732	Power pack, for DIN rail, 230VAC/24VDC, 1A, 20W <b>for 1 SpotLED</b>
033648	Power pack, for DIN rail, 230VAC/24VDC, 2.5A, 60W <b>for up to 4 SpotLED</b>
039073	Power pack, for DIN rail, 230VAC/24VDC, 4A, 100W <b>for up to 8 SpotLED</b>
163193	Power pack, for DIN rail, 230VAC/24VDC, 10A, 240W <b>for up to 18 SpotLED</b>

## Potentiometer



Item No.	Designation
237291	Potentiometer 0,10W, 100kOhm log +/-20% without rotary knob and lid
237292	rotary knob black Ø21 mm without lid
237293	lid for rotary knob

## Dimmable control unit for several SpotLED's



Item No.	Designation
124366	Dimmable control unit for SpotLED consisting of: 1 Solid rubber enclosure type 2516 1 Control unit PWM 1-10V dimmable 1 Control dial 1-10VDC (Power pack is not included)
196048	DALI power supply <b>for up to 9 SpotLED</b>

We reserve the right to make technical modifications (01/2011)



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**GIFAS**  
ELECTRIC

GIFAS-ELECTRIC GmbH  
Dietrichstrasse 2  
CH-9424 Rheineck

+41 71 886 44 44  
+41 71 886 44 49  
info@gifas.ch  
[www.gifas.ch](http://www.gifas.ch)

