

SYSTEMATIC QUALITY



Street lighting  
Square lighting  
Path lighting



## LED Street - / parking lot lighting

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## Application examples

GIFAS StreetLED

WayLED



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LED lights for street lighting / parking lot lighting - GIFAS StreetLED - SMD LED technology and the latest, highly efficient driver technology. GSL is available in various models as street lighting, parking lot lighting, square lighting, and much more.

WayLED - the mobile lighting system for cross-country trails, toboggan runs, paths, for asphalt or ice stick shooting, this lamp has countless uses. The path lighting is simply anchored to the ground using a screw foundation and can then be easily dismantled at any time.





# Street - / Parking lot lighting



## GSL - General / Features



### Area light GSL – GIFAS StreetLED

A slim design, the latest LED and highly efficient driver technology have been combined into a new LED light, the GSL from GIFAS ELECTRIC. In addition to ease of maintenance, high energy efficiency and high reliability, the GSL impresses with its simple design. Due to the availability of different outputs and radiation characteristics, all lighting requirements can be met, from uniform and flat parking lot lighting to various facades and street lighting.



### Optics

To ensure that the light distribution is ensured uniform and homogeneous over a large area, each LED is equipped with a single lens. This allows a specific direction of the light and increases the quality of lighting.



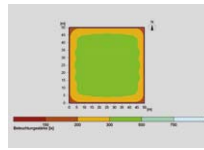
### Fastening Device

The prefabricated lock holes provide a simple adjustment and fixation of the luminaire inclination. Thus, the light can be mounted from 0° to 90° or from -15° to +15° (in 5° steps) tilted depending on.



### Electronics

The latest, highly efficient driver technology ensures low power losses and safe operation of the LED modules. With the easily accessible mounting position of the driver, it can be replaced quickly - easily and safely.



### Light distribution

The light distribution of the GSL has been designed to achieve uniformity and a homogeneous illumination situation even over large areas.



### Tool-free opening

By simply unfolding the locking hinges, the GSL can be opened without tools.



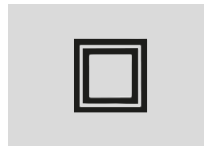
### Future-proof and economical

The GSL impresses with enormous system efficiency and high quality of light. Thanks to the 1-10V dimming interface, the light can be integrated into intelligent lighting systems. Use in sensor-controlled systems (light or presence detector) opens up further energy-saving potential.



### Robust

Due to the high impact resistance class IK10, the lamp is extremely resistant to any vibration. She can withstand impact energies of up to 20 joules (distance: 40cm), which roughly corresponds to a hit with a 5kg hammer.



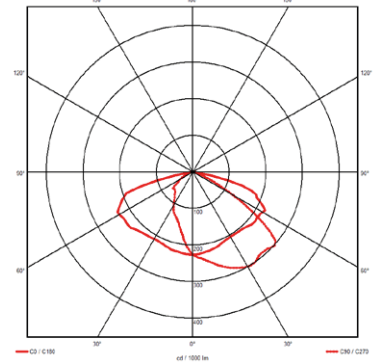
### Safety insulation

Reinforced insulation of the equipment ensures that our GIFAS StreetLED is marked with protection class II.

**GSL GIFAS StreetLED 140x50°**



**Light intensity distribution 140x50°**



**Product features**

GIFAS StreetLED - with asymmetrical light characteristics. The slim-line luminaire has a die-cast aluminum housing which is powder-coated with a durable epoxy paint. It has ozone and UV-resistant seals and stainless steel screws.

- Type of protection IP66 / degree of protection IK10 (impact-resistant)
- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to vibrations
- Easy opening of the housing without tools
- Disconnecting the connectors when opening ensures safe working during the installation and maintenance process.
- Universal bracket for pole or wall installation, tilt adjustment in 5° increments from -15° to +15°

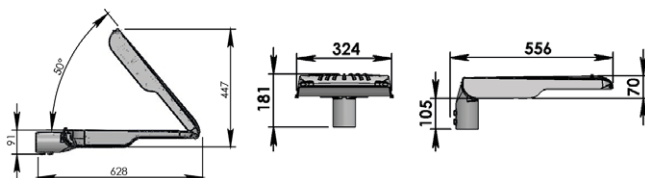
**Technical data**

LED Power	40W / 75W / 120W / 150W / 165W
System performance	42W / 82W / 121W / 159W / 174W
Operating Voltage	230VAC
Luminous flux	5.836lm / 11.583lm / 16.850lm / 23.204lm / 27.440lm
Light source	SMD-LEDs
System Efficiency	139lm/W / 141lm/W / 139lm/W 146lm/W / 158lm/W
CRI-Index	Ra > 70
Luminous angle	140x50°
L90/B10	> 100.000h
Color temperature	4.000K neutral white
Temperature range for operation	-40°C to +50°C
Dimmable	yes (1-10V)
Housing material	aluminium - epoxy coated
Housing color	grey
Cover	PMMA
Type of protection / protection class light	IP66 / II
Degree of protection against mechanical damage	IK10
Weight	7,2 kg
Dimensions L x W x H	556 x 324 x 70 mm
Swivel range of universal mount	-15° to +15°
Pole attachment for Ø	60 mm

**Use: Outdoor area**

Decorative and technical application, street lighting, path lighting, parking lot lighting, space and surrounding lighting ...

Suitable for all outdoor areas that require area lighting.

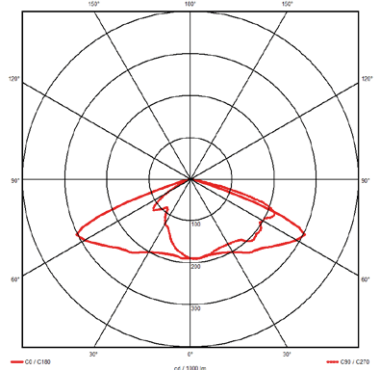


<b>GSL GIFAS StreetLED 140x50°</b> 1-10V dimm, IP66, IK10, with 60 mm pole mount		
EDP-No.	Product-ID-No.	Description
137519	GSL.12LED.40W.140X50°.4000K.5836LM.DIMM.60MM	GIFAS StreetLED, 40W, 1-10V dimm, IP66, IK10, with 60 mm pole mount
137520	GSL.24LED.75W.140X50°.4000K.11583LM.DIMM.60MM	GIFAS StreetLED, 75W, 1-10V dimm, IP66, IK10, with 60 mm pole mount
137521	GSL.36LED.120W.140X50°.4000K.16850LM.DIMM.60MM	GIFAS StreetLED, 120W, 1-10V dimm, IP66, IK10, with 60 mm pole mount
137522	GSL.48LED.150W.140X50°.4000K.23204LM.DIMM.60MM	GIFAS StreetLED, 150W, 1-10V dimm, IP66, IK10, with 60 mm pole mount
137523	GSL.72LED.165W.140X50°.4000K.27440LM.DIMM.60MM	GIFAS StreetLED, 165W, 1-10V dimm, IP66, IK10, with 60 mm pole mount

## GSL GIFAS StreetLED 130x75°



Light intensity distribution 130x75°



### Product features

GIFAS StreetLED - with asymmetrical light characteristics. The slim-line luminaire has a die-cast aluminum housing which is powder-coated with a durable epoxy paint. It has ozone and UV-resistant seals and stainless steel screws.

- Type of protection IP66 / degree of protection IK10 (impact-resistant)
- Full luminous flux is available immediately
- Lower power consumption with good luminous efficiency
- Minimal temperature development
- Operates within a broad temperature range: -40°C to +50°C
- No UV/IR-radiation
- Not sensitive to vibrations
- Easy opening of the housing without tools
- Disconnecting the connectors when opening ensures safe working during the installation and maintenance process.
- Universal bracket for pole or wall installation, tilt adjustment in 5° increments from -15° to +15°

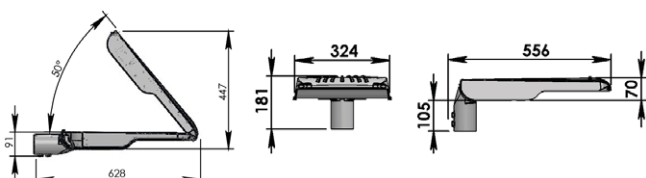
### Technical data

LED Power	40W / 75W / 120W / 150W / 165W
System performance	42W / 82W / 121W / 159W / 174W
Operating Voltage	230VAC
Luminous flux	5.836lm / 11.583lm / 16.850lm / 23.204lm / 27.440lm
Light source	SMD-LEDs
System Efficiency	139lm/W / 141lm/W / 139lm/W 146lm/W / 158lm/W
CRI-Index	Ra > 70
Luminous angle	130x75°
L90/B10	> 100.000h
Color temperature	4.000K neutral white
Temperature range for operation	-40°C to +50°C
Dimmable	yes (1-10V)
Housing material	aluminium - epoxy coated
Housing color	grey
Cover	PMMA
Type of protection / protection class light	IP66 / II
Degree of protection against mechanical damage	IK10
Weight	7,2 kg
Dimensions L x W x H	556 x 324 x 70 mm
Swivel range of universal mount	-15° bis +15°
Pole attachment for Ø	60 mm

### Use: Outdoor area

Decorative and technical application, street lighting, path lighting, parking lot lighting, space and surrounding lighting ...

Suitable for all outdoor areas that require area lighting.



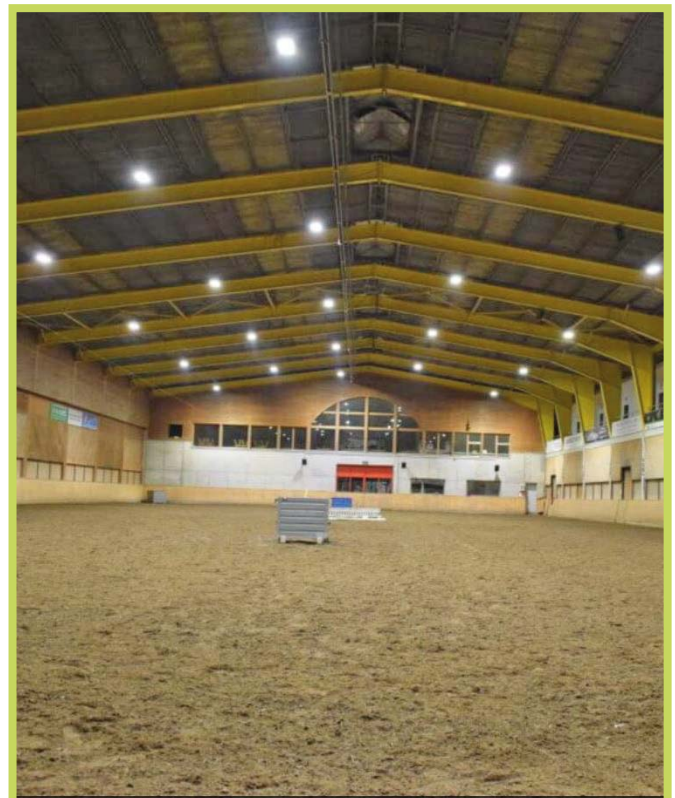
### GSL GIFAS StreetLED 130x75°

1-10V dimm, IP66, IK10, mit 60 mm pole mount

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137523	GSL.72LED.165W.140X50°.4000K.27440LM.DIMM.60MM	GIFAS StreetLED, 165W, 1-10V dimm, IP66, IK10, with 60 mm pole mount




GSL - GIFAS StreetLED







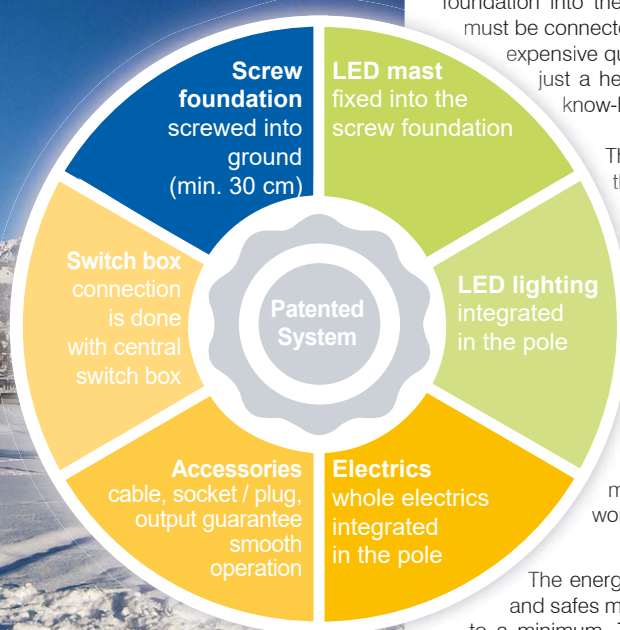
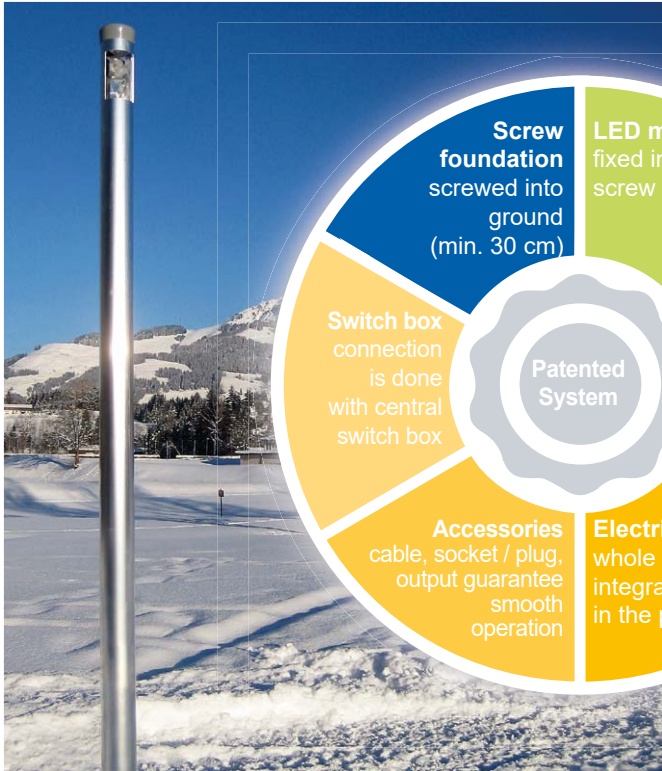


A night photograph of a mountain landscape. The sky is dark and filled with stars. The mountains are dark, but some areas are illuminated by warm, yellow lights, likely from buildings or streetlights. In the foreground, there is a large, flat area, possibly a field or a road, which is also illuminated by lights. The overall scene is a mix of natural beauty and human-made lighting.

**Path lighting /  
Cross-country trail lighting  
(mobile)**



## WayLED - General / Features



The principle of lighting as a modular system is really simple but perfectly constructed and thought thru. The illumination poles are fixed with screw foundation into the soil. Starting from a central switch box, all poles must be connected with cables and the whole system is available. No expensive qualified technical personnel is needed for installation, just a healthy portion of common sense and a little manual know-how. That's the way to save time and money.

The light poles can be set up as desired if the route of the trail changes during the season or the following year. Forests, meadows and pastures are not affected because the poles and power lines can easily be removed at the end of the season. Only the screw foundation remains in the ground and does not interfere with mowing the meadows.

Originally designed for use in cross-country trail lighting, the WayLED opens up numerous other possible uses, such as: mobile lighting for walkways or cycle paths, toboggan or curling lanes, lake promenades, access to various events or market festivals or other outdoor events, these can be worryless and safely illuminated with the LED system .

The energy-efficient LED technology protects the environment and safes money of the operator the electricity costs are reduced to a minimum. The LED lights integrated into the poles only need 16 Watt. Nevertheless the light beam effect with about 17 m in both ways is optimally illuminated, so the system fulfills all standards and requirements of the guidelines for sports facilities EN-12193.



### Development Approach

Cross-country skiing - the ideal balance in the fresh air after strenuous working hours. Up to now, cross-country skiers were able to illuminate the cross-country trails only with much effort, high energy costs and partly even adventurous constructions. This era is now closing - thanks to WayLED.



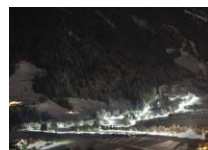
### Beam angle / light cone

The environment is illuminated by a light wedge effect of around 15 m (in both directions) and thus fulfills the requirements of the sports facility directive EN-12193. This means that in the lighting class III (school and leisure sports), the average illumination intensity = 3 lx with a uniformity  $E_{h_{min}} : E_{h_{max}} = 0.1$ .



### Quality

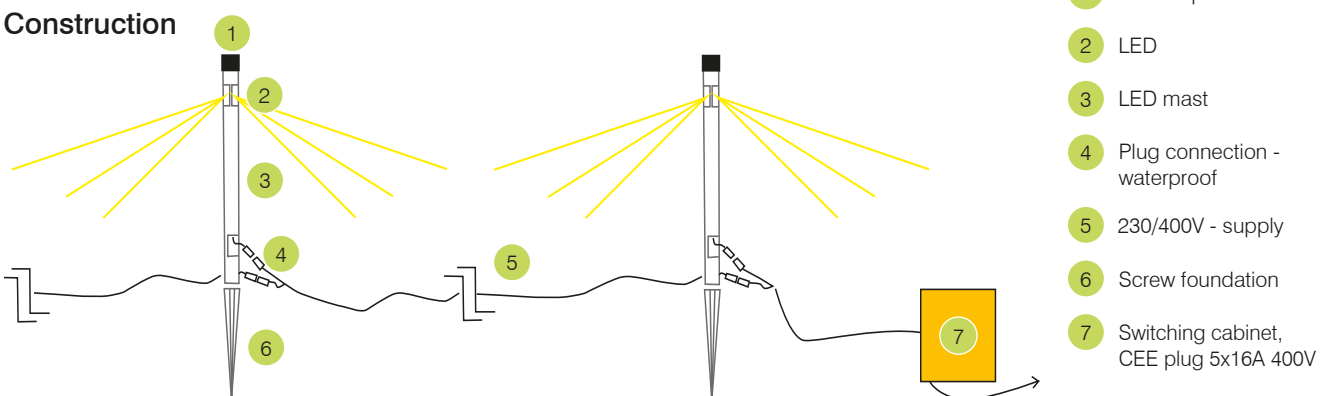
The components are selected according to the highest quality requirements: aluminum mast as well as high-quality cabling, LEDs and electronics from well-known manufacturers.



### Range of application

Cross country ski runs, toboggan runs, ice rinks, ski jumps, road and street lighting, lake promenades, access to various events & cultural meetings, and much more.

## Construction



06/2022/1.0

## WayLED



### Product features

No impact on agriculture.

The system can be dismantled and used in the summer with little effort. The flat grounded screw foundation is closed with a lid and remains in the ground. Thus, it is available in the next winter season at any time.

### Advantages

- full luminous flux available at all times
- Easy to assemble
- Placement anywhere
- Environmentally friendly
- Energy efficient LEDs

### Technical data Mast

Light	LED use up to 16W max
Operating Voltage	230VAC
Light color	4.000K
Illumination	approx. 17 m in both directions
Housing material / Housing color	aluminium / alu-nature
Mounting	on ground screw socket
Weight	approx. 3.1 kg
Dimensions Ø x H	6 x 350 cm
Type of protection	IP65
Temperature range for operation	-35° to +40°

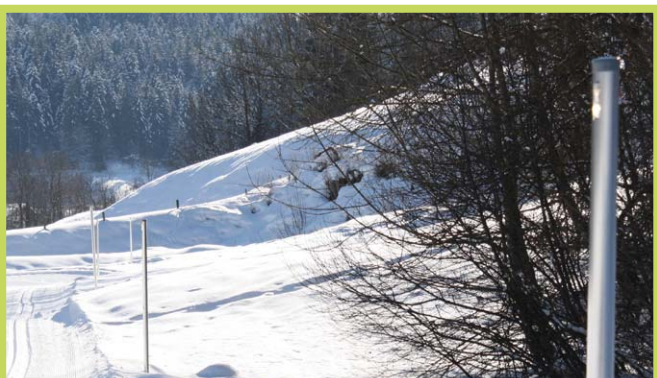
### Technical data screw foundation

Weight	approx. 1.6 kg
Dimensions Ø x H	6 x 60 cm

Lighting system consisting of		
EDP-No.	Product ID No.	Description
840681	WAYLED.BELEUCHTUNGSMAST.3500.MM.2XLED.16W.4000K	WayLED lighting mast 2x LED 8W, 4.000K, H=3.500 mm, Ø 60 mm, connecting cable with waterproof plug
841032	WAYLED.301656.354540.H07RN-F.1212.301657.WD.L1	Extension WayLED CEE plug/coupling plastic 5x16A 400V, 35 m H07RN-F 5G4 with retaining plate, L1
841034	WAYLED.301656.354540.H07RN-F.1212.301657.WD.L2	Extension WayLED CEE plug/coupling plastic 5x16A 400V, 35 m H07RN-F 5G4 with retaining plate, L2
841035	WAYLED.301656.354540.H07RN-F.1212.301657.WD.L3	Extension WayLED CEE plug/coupling plastic 5x16A 400V, 35 m H07RN-F 5G4 with retaining plate, L3
840637	WAYLED.BODENSCHRAUBFUNDAMENT.600.MM	WayLED ground screw galvanized, with plastic lid, L: 600 mm, Ø 60 mm

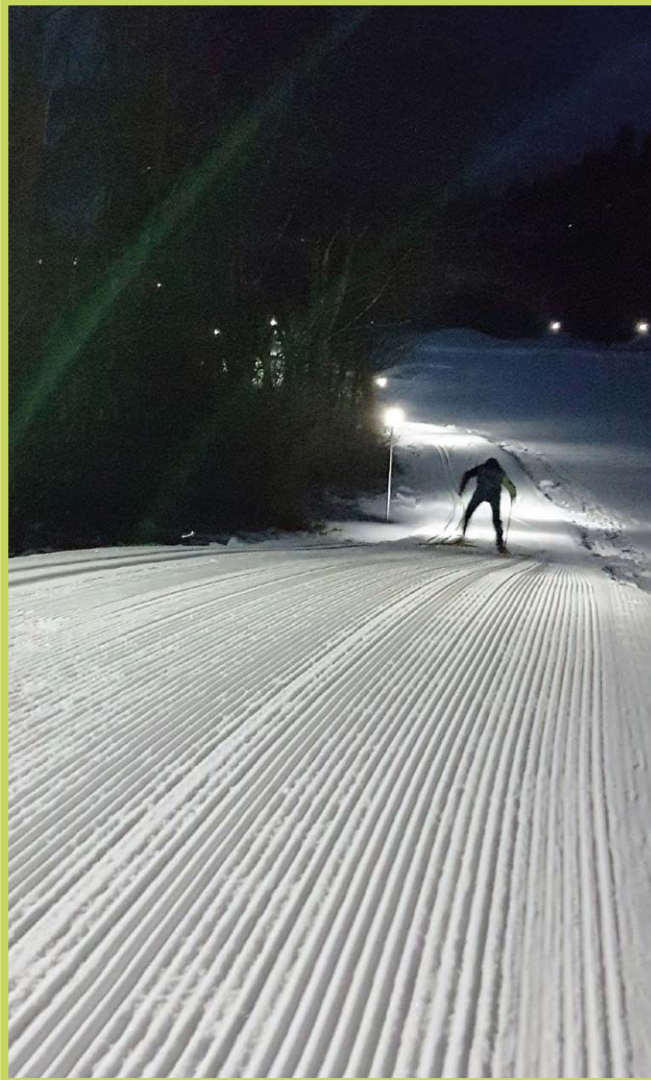


## WayLED Path- / cross-country trail lighting





WayLED Path- / cross-country trail lighting



# CONTACT US



**GIFAS**  
ELECTRIC

GIFAS ELECTRIC  
Gesellschaft m.b.H  
Strass 2  
5301 Eugendorf  
AUSTRIA

 [www.gifas.at](http://www.gifas.at)  
 [verkauf@gifas.at](mailto:verkauf@gifas.at)  
 +43 6225/7191-0  
 +43 6225/7191-561  
 +49 8654/404-2000