



LED2WORK Signal LED II RGB Machine Lighting LED Signal Luminaire Instructions

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Structure of safety and supplementary information

Important instructions are marked with signal words or symbols in this operating manual.

Some signal words denote the degree of the potential risk of injury. Colors and the different shades of grey and triangular symbols visually underline the degree of danger.

- Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.
- Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.
- Indicates a potentially hazardous situation that, if not avoided, could result in minor or slight injury.
- Indicates a potentially hazardous situation that, if not avoided, could result in property damage.
- Gives you additional information for the safe and efficient use of the product.
- Refers to compliance with these operating instructions.
- CE marking: confirms conformity with applicable standards and regulations.

Proper use

The luminaire is used for illumination. The luminaire is intended for mounting in a luminaire holder or mounting bracket. For connection values see “Technical data”. The supply cable is connected to the luminaire via M12 plug connection.

The safety information and all other information in this manual must be followed. Read the entire operating manual carefully before mounting and turning on.

Keep the operating manual with the device. It must be stored and handed over to third parties when the product is passed on.

For safe operation

The operating parameters of the LED luminaire specified on the type plate must correspond to the supply parameters of the machine or of the transformer.

CAUTION: Under no circumstances may the luminaire be covered with cloths, foils or similar. Object distance from the luminaire should be at least 10 cm.

ATTENTION: Machines can emit voltage spikes due to various factors. These voltage spikes in the power supply via machines should be avoided: Only use regulated 24V DC switched-mode power supplies, not transformers with rectifiers, as these can give rise to voltage spikes due to inductance.

Hot plugging should be avoided (connection of the luminaire to a power supply which is already connected to the mains), since this can lead to the destruction of the LED luminaire.

Safety information

WARNING: Installation of electrical equipment may only be carried out by qualified electricians.

Follow the five safety rules according to DIN VDE 1005.

Failure to do so may result in damage to the LED luminaire, as well as fire or other hazards.

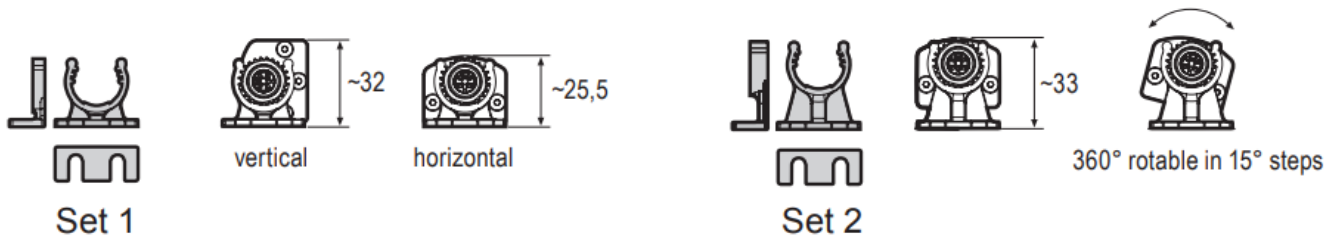
DANGER: Danger of electric shock! Disconnect before working on the device or load. Ensure to disconnect all circuit breakers that supply dangerous voltages to the device or load, when doing so. Even when the device is switched off, the load is not galvanically isolated from the mains.

ATTENTION: Only use the device if it is completely free of faults, and with safety and awareness in mind. If warnings or symbols are attached to the luminaire, they must not be removed.

Assembly / Mounting

Check the LED luminaire before installation to ensure it is complete and shows no signs of damage. Do not use the luminaire or accessories if they are damaged, as there is a risk of injury.

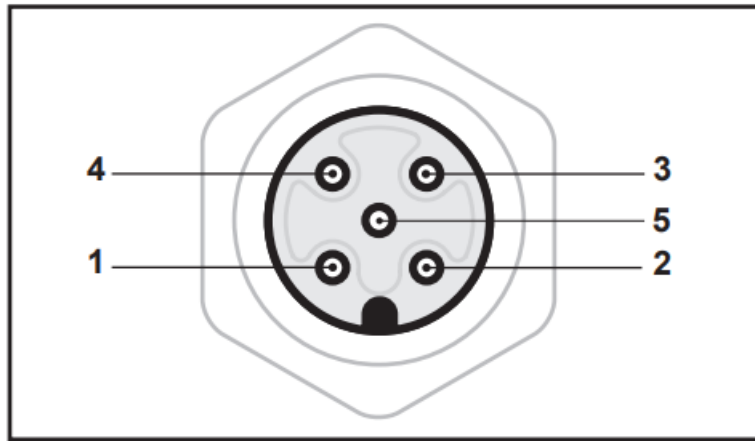
The LED luminaire comes fully assembled. The luminaire is attached via the two included luminaire holder sets.



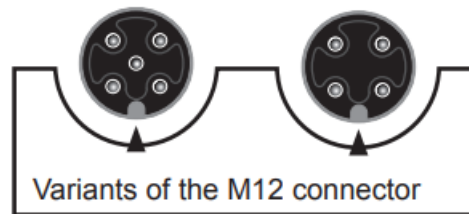
CAUTION: When mounting the luminaire, make sure that the luminaire is fastened securely and stably. If the luminaire falls down, its weight poses a risk of injury!

Connection

Suitable connection material, cables and accessories can be found in the accessory range of LED2WORK. PIN assignment of the M12 connector:



Schematic drawing of M12 plug



Variants of the M12 connector

RGB			LED colour
PIN 1	=	24V DC	green
PIN 2	=	24V DC	blue
PIN 3	=	GND	
PIN 4	=	24V DC	red
PIN 5	=	not used	

NOTE: Other colours can be displayed by gating two or three pins simultaneously. Get in touch with us for more information.

Maintenance and Care

The LED luminaire is maintenance-free. Do not make any alterations to the luminaire (except according to the mounting information contained in this manual).

The luminants used in the luminaire have a very long life and cannot be replaced.

Turn off the light before cleaning and let it cool down completely. Clean the outside of the luminaire with a soft, dry and clean cloth. To remove excess dirt, moisten the cloth with water. Never use aggressive cleaning agents, as these may cause discoloration of the housing.

ATTENTION: No liability is assumed for damages resulting from the use of unsuitable cleaning agents.

Warranty

We supply a full warranty for the product for 36 months from the date of purchase. This warranty applies for fault-free working under proper use and in accordance with the operating instructions.

During the warranty period defects and faults in the product will be rectified free of charge if they are proven to be caused by material, processing or design errors. If the purchaser complains of a material defect, he bears the

burden of proof to demonstrate that the product was already defective upon receipt.

NOTE: The warranty does not extend to defects caused by wear, negligence or improper use. Further claims, in particular claims for compensation for damage that did not occur on the LED luminaire itself, are excluded.

Disposal

The luminaire must be disposed of at a suitable disposal site designated for recycling of electrical and electronic equipment in accordance with local, national regulations. (WEEE-No 32828318)

Customer service

If you have any problems or questions concerning this product, please contact us! By phone: +49 7231 44920-00 Monday to Thursday 8:00 am to 12:00 midday and 1:00 pm to 4:30 pm Friday 8:00 am to 12:00 midday and 1:00 pm to 3:00 pm
By email: info@led2work.com

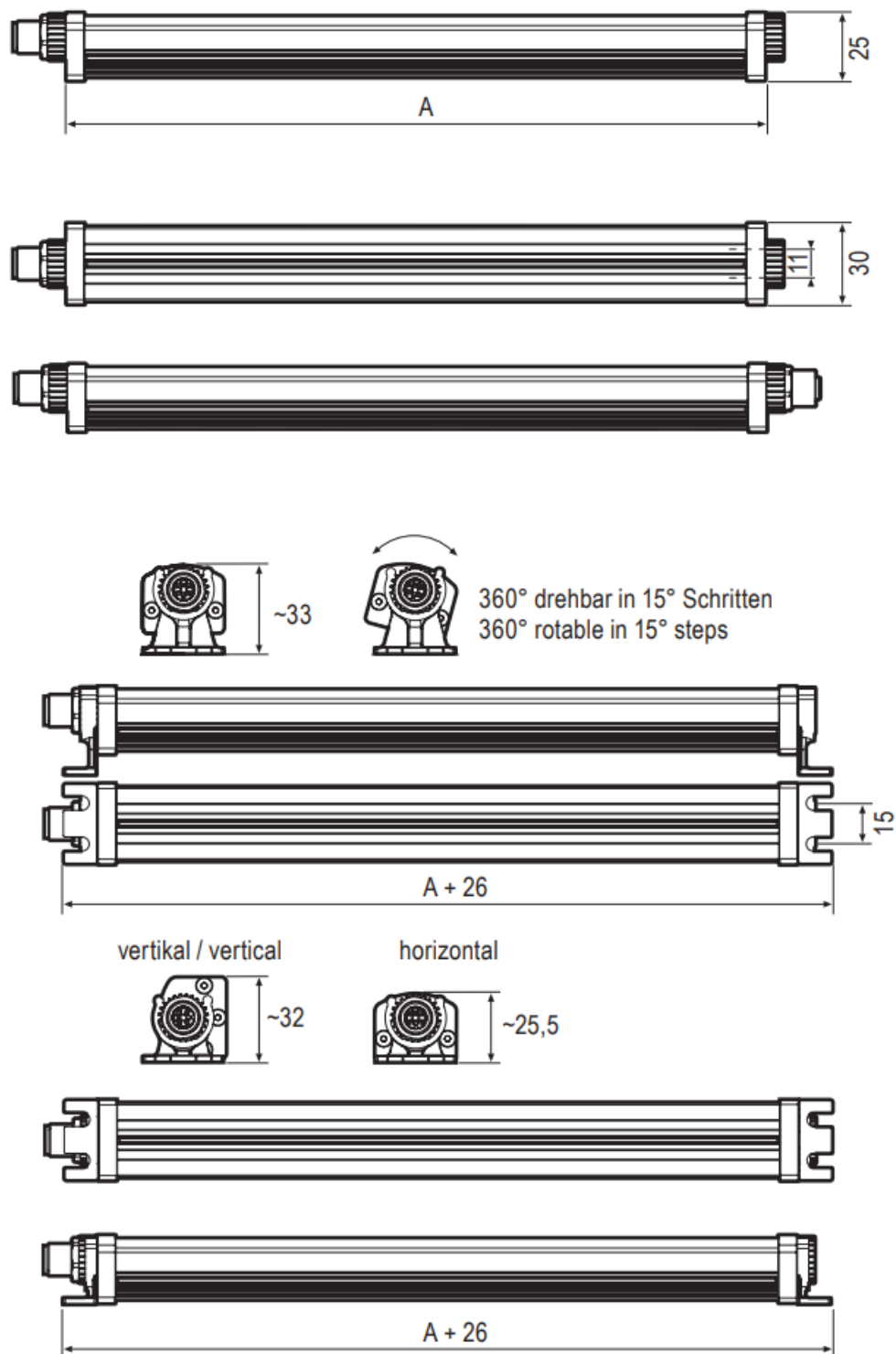
Technical data

Connection values	24 V DC -10 % +7 % (RGB)
Class of protection	III
Beam angle	120°
LED lifetime	> 60.000 Betriebsstunden (L80/B10)
Operating temperature	-10... +50 °C
System of protection	IP54
Technical safety inspection	DIN EN 62471


SIGNALED II RGB

Item no.	LED luminaire	Length [A]	Max. current	Max. power consumption
			RGB per colour	RGB per colour
111090-1 1	SIGNALED II R GB	180 mm	0,075 A	~1,8 W
111090-1 2	SIGNALED II R GB	260 mm	0,11 A	~2,6 W
111090-1 3	SIGNALED II R GB	350 mm	0,18 A	~4,4 W
111090-1 4	SIGNALED II R GB	520 mm	0,22 A	~5,3 W
111090-1 5	SIGNALED II R GB	760 mm	0,33 A	~7,9 W
111090-1 6	SIGNALED II R GB	1.020 mm	0,44 A	~10,6 W
111090-1 7	SIGNALED II R GB	1.520 mm	0,66 A	~15,8 W

Drawings



Documents / Resources

 <p>Betriebsanleitung User Instructions</p> <p>SIGNALED II RGB</p> <p>MASCHINENBELEUCHTUNG LED Signaleuchte</p> <p>MACHINE LIGHTING LED signal luminaire</p> <p>CE 2014/53/EU</p>	<p>LED2WORK Signal LED II RGB Machine Lighting LED Signal Luminaire [pdf] Instructions Signal LED II RGB Machine Lighting LED Signal Luminaire</p>
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References

-  RGBled2work.com

Manuals+.