



Bedienungsanleitung Operating Instructions

QuickFlash LED Typ 630

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2 ENGLISH

2.1 General information

2.1.1 Information about these operating instructions

These operating instructions provide important information on handling the equipment. All technical data in these instructions have been developed or compiled with the greatest of care. Errors cannot however be excluded. We therefore feel obliged to point out that neither guarantee nor any legal responsibility nor any sort of liability can be accepted for consequences as a result of incorrect data.

We are always glad to be informed of any errors.

Adherence to the specified safety instructions and handling instructions is a precondition for safe work. In addition, it is mandatory to observe the local accident prevention regulations and general safety requirements applicable at the location where the equipment is used.

Carefully read through the operating instructions before beginning any work!

It is a constituent component of the product and must be kept carefully available in the immediate vicinity of the equipment at all times for the personnel. If you sell or subcontract this product, it is essential to hand over these instructions as well. The figures in this manual are not necessarily true to scale in order to show details better and can vary slightly from the actual configuration.

2.1.2 Explanation of symbols

2.1.2.1 Symbols used in these operating instructions

Warning instructions Warning instructions are identified by symbols. They are also prefaced with signal words that indicate the extent of the hazard.

- It is essential to follow all instructions!
- Always act cautiously during all work in order to avoid accidents, injury to personnel and material damage!

DANGER!



... indicates imminent danger that can lead to death or to serious injury if it is not avoided.

CAUTION!



... indicates a possible dangerous situation that can lead to minor or slight injury if it is not avoided.

ATTENTION!



... indicates a possible dangerous situation that can lead to material damage if it is not avoided.

Tips and recommendations

NOTE!



... highlights useful tips and recommendations as well as information for more efficient and troublefree operation.

2.1.3 Limitation of liability

All data and instructions in this manual were compiled in accordance with the applicable standards and regulations, the state-of-the-art and our many years of know-how and experience.

The manufacturer accepts no liability for damages due to:

- non-compliance with the manual
- non-designated use
- deployment of untrained personnel
- unauthorized alterations
- technical modifications
- use of non-approved spare parts

The actual scope of delivery can vary from the explanations and illustrations described here for special versions, the purchase of additional order options, or due to latest technical changes. In addition, the obligations agreed in the procurement contract, the General Terms & Conditions and the delivery conditions of the manufacturer and the legal regulations in force at the time of the contract conclusion apply.

Warranty

The manufacturer guarantees the functionality of the applied technology and the declared performance parameters. The warranty period begins from the point in time of the free-of-defects acceptance.

Wearing parts

Wearing parts are all components that come into immediate contact with the material to be worked on or processed. These components are excluded from the guarantee and claims for defects if this involves damage due to wear.

2.1.4 Warranty conditions

The warranty conditions are included in the sales documentation as a separate document.

Generally valid:

Alterations and technical modifications which have not been certified by Adolf Nissen Elektrobau void all warranty claims.

2.1.4.1 Spare parts

WARNING!

Risk of injury due to incorrect spare parts!



Incorrect or defective spare parts can lead to damage, malfunction or complete failure and can greatly compromise safety.

For this reason:

- Only use original spare parts and released batteries!
- Original spare parts can be purchased directly from the manufacturer (for the address, see last page).

2.1.5 Customer service

For technical information, please contact our Customer Service. Instructions on the regionally responsible contact partner can be obtained at any time per telephone, fax, e-mail or via the Internet (for the address, see last page). In addition, our employees are constantly interested in any new information and experience that result from the application and that may be valuable for improving our products.

2.1.6 Copyright protection

This manual is only intended for personnel who are engaged with the equipment. The manual must not be handed over to third parties without the written approval of the manufacturer.

NOTE!



The contents, data, texts, drawings, photographs and other illustrations are copyright-protected and are subject to industrial property protection. Any improper use will be liable to prosecution. Reproduction in of any shape or form - in whole or in part - and the utilisation and/or disclosure of its contents are not allowed with out a written declaration of consent from the manufacturer. Violation will lead to claims for damages. All other rights are reserved.

2.2 Safety

This section provides an overview of all important safety aspects for optimum protection of personnel and for safe and troublefree operation. Non-compliance with the handling instructions and safety instructions listed in this manual can lead to significant danger.

2.2.1 Responsibility of the operator

The equipment is designed for use in the industrial sector. Consequently, the operator of the equipment is liable for the legal obligations of safety at work. Apart from the safety at work instructions in these operating instructions, the safety, accident prevention and environmental protection regulations in force for the field of application of the equipment must be observed.

In particular, the operator must:

- inform himself of the applicable industrial safety regulations.
- carry out a risk assessment to determine any additional dangers that result from the special working conditions at the place of use of the equipment.
- convert the necessary conduct requirements for operation of the equipment at the place of use into operating instructions.
- regularly check that the operating instructions created by him are up to date with the current state of the regulations during the entire period of use of the equipment.
- update the operating instructions - as necessary - to new regulations, standards and operating conditions.
- clearly delegate the responsibilities for installation, operation, maintenance and cleaning of the equipment.
- ensure that all employees who are involved on or with the equipment have read and understood the operating instructions. In addition, he must train the personnel at regular intervals in how to deal with the equipment and inform them of the possible dangers.
- provide the prescribed and recommended protective gear to the personnel charged with carrying out the work.

The operator is also responsible for ensuring that the equipment

- is always in a technically perfect condition.
- is maintained according to the specified maintenance intervals.
- and that all safety installations are checked regularly for completeness and functionality.

2.2.2 Personal requirements

2.2.2.1 Qualifications

WARNING!

Risk of injury due to insufficient qualification!



Improper handling can lead to considerable injury to personnel and damage to material.

For this reason:

- Only allow activities to be carried out by suitably qualified personnel.

The following qualifications for different fields of activity are named in the operating instructions:

Instructed personnel

- have been instructed by the operator on the tasks assigned to them and on the potential dangers of improper conduct.

Specialist personnel

- are in a position to carry out the work assigned to them as a result of their technical training, know-how and experience as well as knowledge of the current regulations and are able to independently recognise and avoid possible dangers.

Electricians

- are in a position to carry out the work on electrical systems as a result of their technical training, know-how and experience as well as knowledge of the current standards and regulations and to independently recognise and avoid possible dangers. Electricians are trained for the specific place of use in which they are active, are trained and are familiar with the relevant standards and regulations.

Only persons who can be expected to reliably carry out their work are sanctioned as personnel. Personnel whose ability to react is affected, for example, by drugs, alcohol or medications will not be tolerated. When selecting personnel, observe the regulations regarding age and vocation-specific regulations applicable at the place of use.

2.2.2.2 Unauthorized persons

WARNING!

Danger to unauthorized persons!



Unauthorized persons who do not fulfill the requirements described here are not aware of the dangers in the working area.

For this reason:

- Keep unauthorized persons away from the working area.
- In case of doubt, speak to these persons and expel them from the working area.
- Interrupt the work as long as unauthorized persons are present in the working area.

2.2.3 Personal protective gear

When dealing with the equipment, especially in public road traffic, personal protective gear must be worn in order to minimise health hazards.



For this reason:

- Before all work, properly put on the respective protective gear as described and wear it during the work.
- It is also essential to follow all signs affixed in the working area regarding personal protective gear.

Recommended protective gear

Reflective warning vest



or wear reflective warning clothing in order to be more clearly visible for others. In particular, wear reflective warning clothing:

- while working in the vicinity of railway tracks,
- during maintenance and when securing vehicles on public roads,
- during roadwork: all personnel who are in the vicinity of public road traffic,
- when marshalling construction traffic. Dispose the reflective warning clothing after use or have it professionally cleaned to maintain visibility.

2.2.4 Designated use

The equipment is designed and constructed exclusively for the intended purpose described here and produces a blinking/running light and guides road users safely past construction sites and dangerous situations in public road traffic.

WARNING!

Danger through non-designated use!



Any use that goes beyond the designated use and/or different use of the equipment can lead to dangerous situations.

For this reason:

- Only use the equipment as intended
- Strictly observe all data in these operating instructions.
- In particular, refrain from the following uses. They are considered as non-designated use:
- Alteration, conversion or changes to the construction or individual accessory parts with the aim of changing the application or use of the equipment.

Claims of any type as a result of damage from non-designated use are excluded.

All damage from non-designated use is the sole liability of the operator.

2.2.5 Special risks

Residual risks that were determined based on a risk analysis are listed in the following section. It is essential to follow the instructions listed here and the safety instructions in the further chapters of these instructions for use in order to reduce possible health hazards and to avoid dangerous situations.

Rechargeable batteries

WARNING!

Risk of injury due to incorrect handling of batteries!



If improperly handled, installed batteries can release hazardous substances or explode.

For this reason:

- Do not throw batteries into the fire or expose them to high temperatures. There is a risk of explosion.
- Do not touch any escaping liquid. If this liquid comes into contact with the skin, immediately rinse copiously with water.
- If liquid gets into the eyes, immediately rinse the eyes with water for at least 10 min and immediately contact a doctor.
- Expose the rechargeable batteries of not too much moisture.

2.2.6 Environmental protection

CAUTION!

Danger to the environment through incorrect handling!



Improper handling or improper disposal of environmentally hazardous substances can result in significant damages to the environment.

For this reason:

- Attention must be paid to the following instructions:
- If hazardous substances permeate into the environment, immediately initiate suitable countermeasures.
- Immediately inform local environmental and/or local authorities.

The following environmentally hazardous substances are used:

Batteries or rechargeable batteries

Batteries and rechargeable batteries contain toxic heavy metals. They are subject to treatment as hazardous waste and must be handed over to communal collection points or disposed of by a specialist company.

2.2.7 Conduct in case of danger and accidents

When using the equipment always adhere to the general and specific regulations applicable to construction sites as well as local regulations for construction site protection, accident prevention and the performance of rescue measures.

In addition, the following apply as a basic principle:

Preventive measures

- Always be prepared for accidents or fire.
- Keep first aid equipment (first-aid kit, blankets, etc.) and fire extinguishers freely accessible at all times.
- Make personnel familiar with accident notification, first aid and rescue facilities.
- Keep access routes free for rescue vehicles.

If worst comes to worst: take appropriate action

- Cordon off the accident site.
- Commence first-aid measures.
- Rescue persons from the danger zone.
- Inform those responsible at the place of use.
- Alarm doctor and/or fire brigade.
- Keep access routes free for rescue vehicles.

2.3 Description

QuickFlash LED is used for rapid securing in traffic.

It is equipped with:

- foldable beacon
- stable base plate
- reception and transmitter diode for automatic synchronisation as guide light
- permanent light which is active in darkness

All lamps are constructed identically and can be used as single lamps.

Any amount of lamps can be synchronised als guide light.

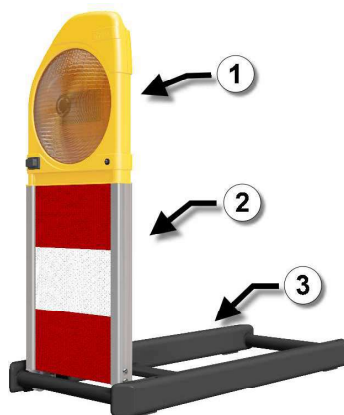


- height folded out: approx. 61 cm

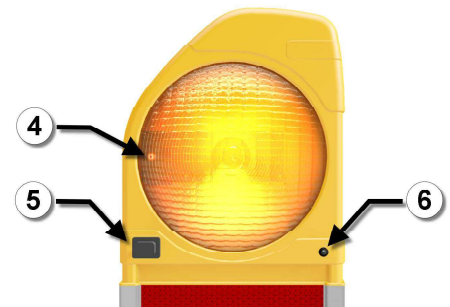


- stackable without support

2.4 Construction and function



1. Lamp head
2. Beacon
3. Base plate
4. Control LED (red)
5. ON-OFF switch
6. Reception and transmitter diode on both sides



ON-OFF switch

- Switching on: Press the key approx. 0,5 sec.
- Switching off: Press the key approx. 1 sec.

Control LED

- Red LED flashes as long as the required function (on/off) is activated.
- Flashing of the LED shows also a low battery function.

Reception and transmitter diode

- The reception and transmitter diodes enable an automatic synchronisation and a common switching on/off of the lamps.

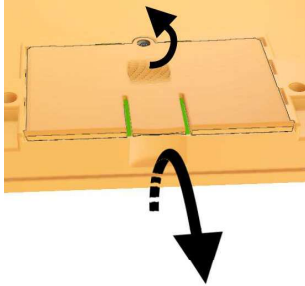
2.5 Insert battery

NOTE!



Rechargeable batteries are not allowed for battery lamps!

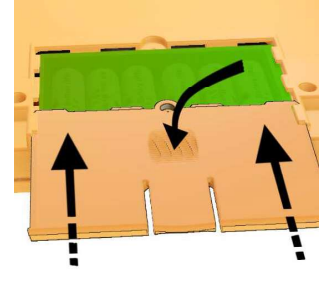
Before the first starting up six batteries of size AA (R6) 1.5 Volt must be inserted. Batteries are not included in delivery.



pic. 1



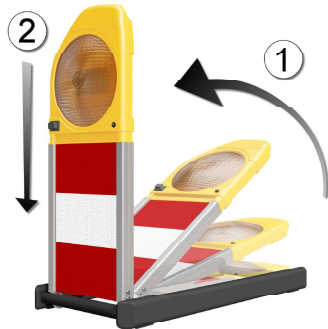
pic. 2



pic. 3

- Loosen the screw of the battery case on the back of the lamp.
- Lift the locking tab and pull out the cover of the battery case at the same time (**pic. 1**).
- Remove the protective foil, insert the batteries and reinsert the protective foil (**pic. 2**).
- Insert the cover back on the battery case and press it slightly in direction of the arrows until it locks in audibly (**pic. 3**).
- Tighten the screw it firmly.

2.6 Installation



Synchronisation

- Lamps stay stacked for synchronisation.
- Switching on the first lamp in the stack synchronise all underlying lamps automatically as guide light.

Installation

- Fold up lamp.
- Fix lamp downwards.

The synchronisation remains intact for approx. 1 minute, also after a short disconnection of one lamp.



Folding down

- Lift lamp slightly at the handle and fold it down.

2.7 Technical data

Voltage:	4,5 Volt
Aver. power consumption day:	0,05 A
Aver. power consumption night:	0,03 A
Flashing rate:	60 fl/min
Moving light stability:	about 12 hrs.
Operating times:	150 hrs. with Mignon battery (AA)
Weight:	about 6,0 kg

Operating temperature: -25°C to +65°C

All specifications under laboratory conditions.

2.8 Troubleshooting

Fault

Remedy

Lamp does not flash:

Check battery! - Change if necessary.

No synchronisation of the lamps:

Lamps stacked correctly? Line them up again if necessary!
Repeat synchronisation by switching on/off again.
Avoid stray light like strong solar irradiation!
Clean reception and transmitting diodes if necessary!

Interruption in the light chain:

Check battery - replace if necessary
Repeat synchronisation for broken lamp by bringing its receiving diode and transmitting diode of the previous lamp together!

Control LED:

Battery is empty. - Change battery!

2.9 Disassembly and disposal

2.9.1 Disassembly

Before beginning the disassembly:

- Switch off the system and secure against being switched on again.
- Physically disconnect the entire power supply from the equipment and discharge stored residual energy.

Then professionally clean modules and components and disassemble in accordance with accepted local safety at work and environment protection regulations.

2.9.2 Disposal

If no take back or disposal agreement was made, take disassembled component parts to the recycling depot:

- Dispose of metallic residual component parts as scrap metal.
- Take plastic parts to the recycling depot.
- Sort and dispose of other components according to the properties of the material.

CAUTION!

Damage to the environment from improper disposal!

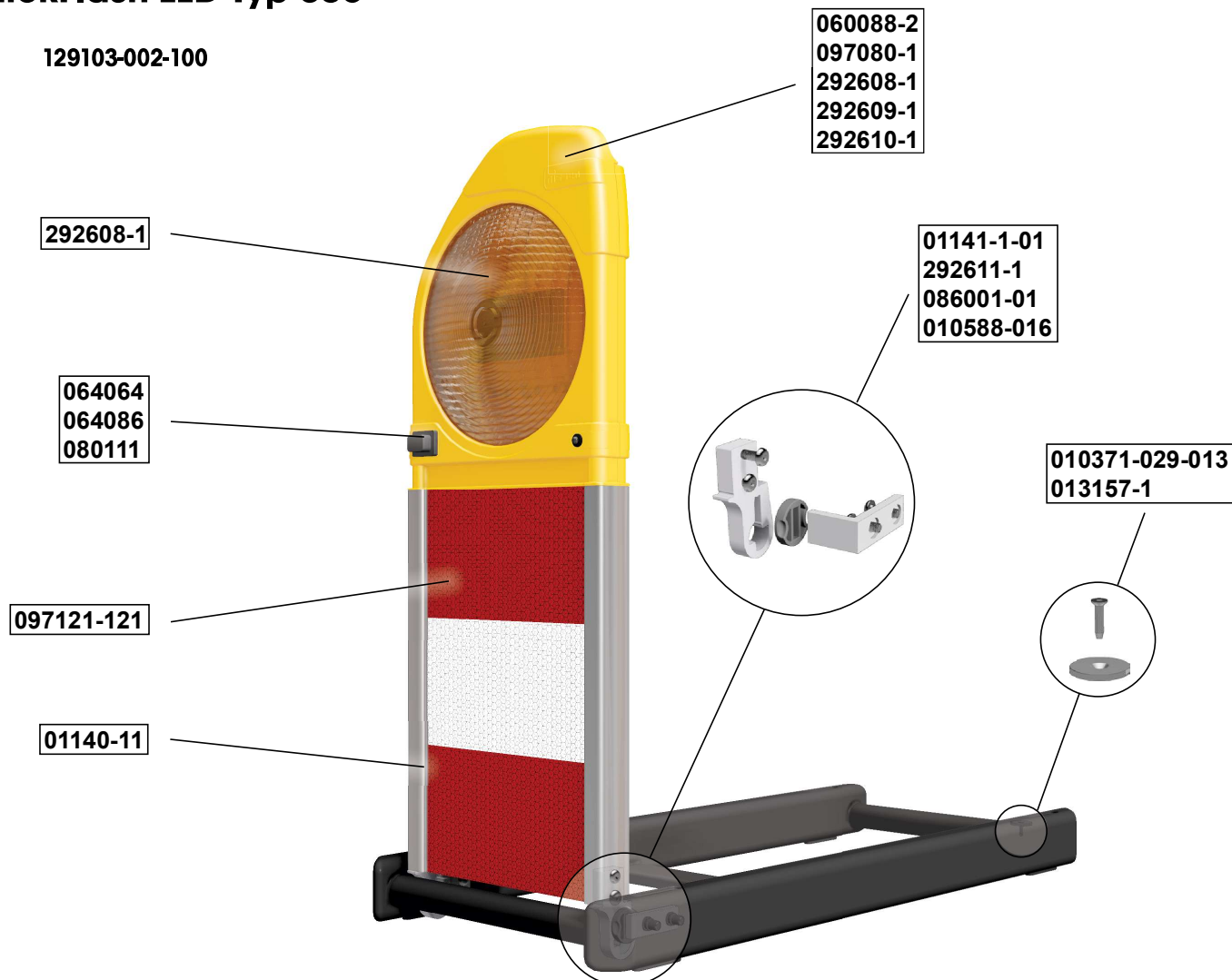


Electronic scrap, electronic components, lubricants and other auxiliary substances are liable to treatment as hazardous waste and must only be disposed by approved specialised companies!

Local authorities and specialist disposal companies can provide information on environmentally compatible disposal.

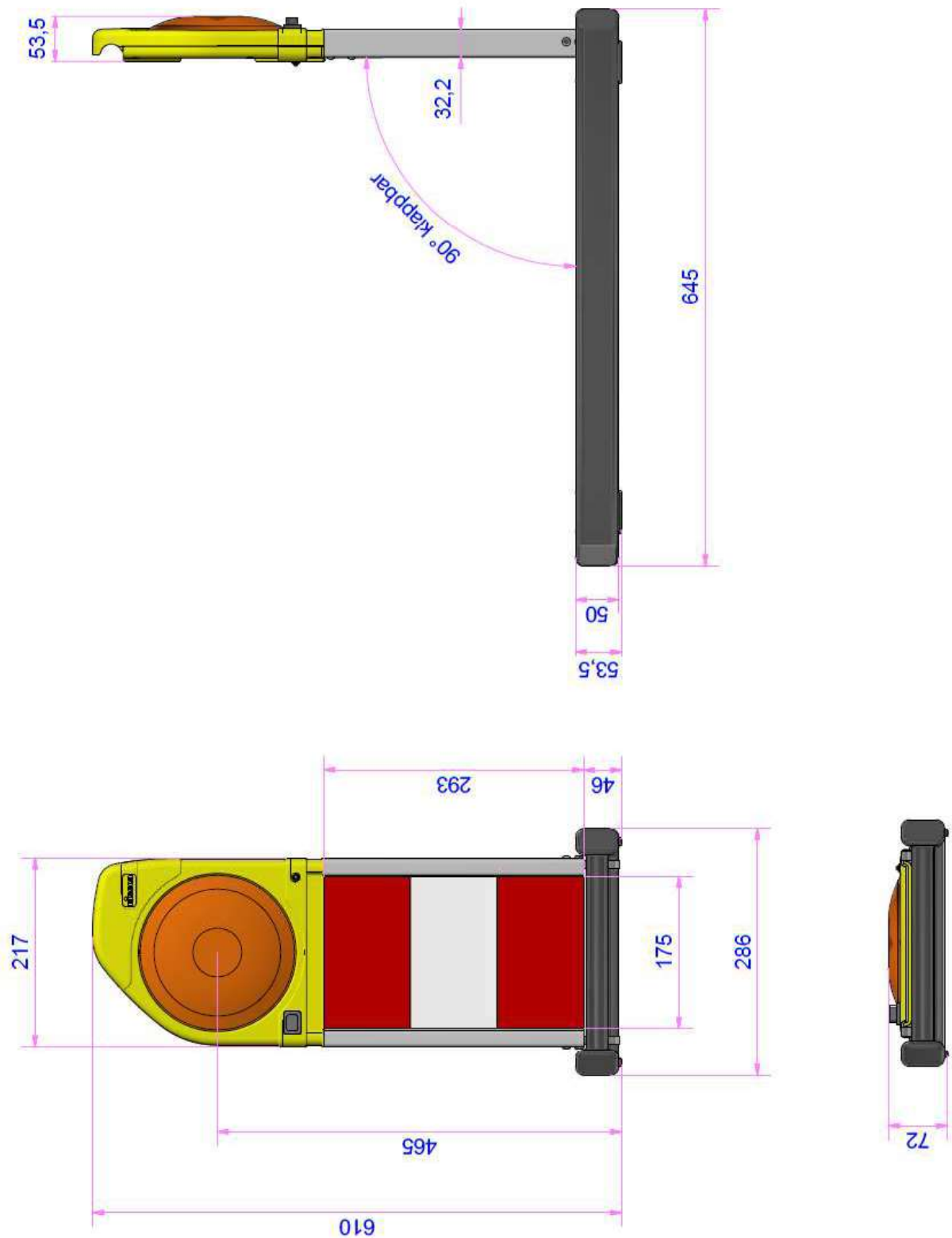
QuickFlash LED Typ 630

Ref. 129103-002-100



Referenz	Beschreibung - Description
010371-029-013	Bohrschraube 2,9 x 13 - drilling screw 2,9 x 13
010588-016	Linsenschraube M5 x 16 - lens screw M5 x 16
001140-11	Bakenblatt-Profil - beacon profile
001141-1-01	Gelenkblech für QuickFlash LED 630 - joint plate for QuickFlash LED 630
013157-1	Haftscheibe für Magnet Ø20 x 2 mm - adhesive disk for magnet Ø20 x 2 mm
060088-2	Magnet für QuickFlash LED 630 - magnet for QuickFlash LED 630
064064	Schutzkappe für Wipptaster - protecting cap for rocker switch
064086	Wipptaster 1-polig - rocker switch 1-poled
080111	Dichtung für Wipptaster - sealing for rocker switch
083501-11	Fuß für QuickFlash LED 630 - base plate for QuickFlash LED 630
086001-01	Gelenkwinkel für Bakenblatt - joint angle for beacon
097080-1	Schutzfolie für Batteriefach - protective foil for battery case
097121-121	Folie Typ RA2 C für Bakenblatt, rot/weiß, senkrecht schraffiert Foil type RA2 C for beacon red/white, vertically striped
290393-1	Linse 200 mm Ø, gelb - lens 200 mm Ø, yellow
292608-1	Gehäuse-Oberteil für QuickFlash LED 630, gelb - front housing for QuickFlash LED 630, yellow
292609-1	Gehäuse-Rückteil für QuickFlash LED 630, gelb - rear housing for QuickFlash LED 630, yellow
292610-1	Deckel für Batteriefach, gelb - lid for battery case, yellow
292611-1	Distanzscheibe für Bakenblatt - spacer for beacon
355622-11	Platine QuickFlash LED 630B - circuit for QuickFlash LED 630B

4 Abmaße / Dimensions





5 Notizen / Notes

Blank area for notes.



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Technische Änderungen vorbehalten!
Subject to technical modifications!

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