

2026/03/27 601200-03



- Red-light laser, Laser class 2
- Sturdy aluminum housing
- Battery-operated
- Suitable for MLC, SOLID, COMPACT*plus*, SLS 78, RS4



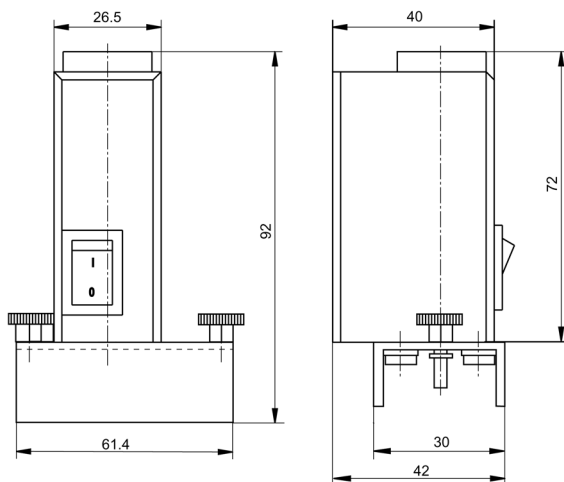
### Accessories:

- 2x1.5V AAA batteries (built-in)

### Dimensioned drawings

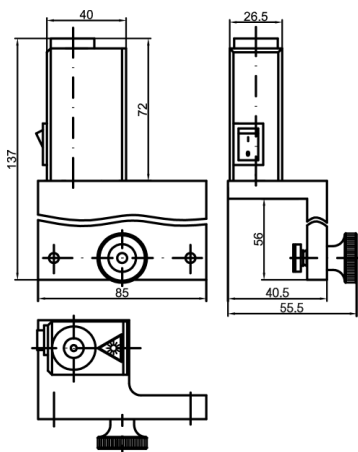
#### Laser Alignment Aid LA-78

Mounting: SLS 78, RS4



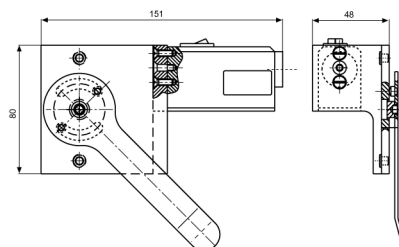
#### Laser Alignment Aid LA-78U

Mounting: MLC, SOLID, COMPACT*plus*



#### Laser Alignment Aid LA-78UDC

Mounting: UDC



We reserve the right to make changes

### Specifications

#### Optical data

|                             |  |
|-----------------------------|--|
| Light source                | red light laser  |
| Laser class                 | 2 in accordance with IEC 60825-1:2014 / EN 60825-1:2014+A11:2021 |
| Wavelength                  | 650 ... 670nm (visible red light)                                |
| Pulse duration              | continuous wave (cw)   |
| Maximum output power (peak) | 1mW  |
| Visual range                | approx. 50m depending on ambient light                           |

#### Electrical data

|                  |   |
|------------------|---|
| Voltage supply   | 2 commercially available AAA batteries 2x1.5V replaceable |
| Ready to operate | approx. 8 hours in permanent operation                    |
| Switching on/off | by pressing the flip switch                               |

#### Mechanical data

|         |           |
|---------|-----------|
| Housing | aluminium |
|---------|-----------|

#### Environmental data

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Ambient temp. (operation/storage) | -20°C ... +55°C/-30°C ... +70°C |
| Protection class                  | IP 45                           |

### Selection Table

| For Sensor  | Sensor type                       | Mounting variant 1) with |        |          |
|-------------|-----------------------------------|--------------------------|--------|----------|
|             |                                   | LA-78                    | LA-78U | LA-78UDC |
| SLS78       | Single Beam Safety Light Barriers | A                        | -      | -        |
| RS4         | Scanner                           | B                        | -      | -        |
| COMPACTplus | Safety Light Curtain              | -                        | C      | D        |
|             | Multiple Light Beam Safety Device | -                        | C      | D        |
|             | Transceiver, 2-beam               | -                        | C      | D        |
| SOLID       | Safety Light Curtain              | -                        | C      | D        |
| MLC         | Safety Light Curtain              | -                        | C      | D        |

- 1) A = Fixing directly on the sensor's threaded bushings  
 B = Attach on scanner housing  
 C = Fixing on the guide slot on the side  
 D = Fixing between mounting column and sensor housing

### Order guide

|  | Designation | Part No. |
|--|-------------|----------|
| for Sensors SLS78, RS4   | LA-78       | 549000   |
| for Sensors MLC; SOLID; COMPACTplus;<br>Fixing on the guide slot on the side of the sensor | LA-78U      | 560020   |
| für Sensoren MLC; SOLID; COMPACTplus;<br>Fixing between mounting column and sensor housing | LA-78UDC    | 520004   |

### Remarks

#### Intended use

Laser alignment aids LA-78... are battery-operated red-light lasers used for the quick and easy adjustment of Leuze electronic optical sensors.

#### Areas of application

Aligning Laser Scanners, Single Beam Safety Light Barriers, Multiple Light Beam Safety Device, Light Curtains, and deflecting mirrors, especially for multi-sided safeguarding by means of deflecting mirrors and for longer operating ranges.

#### Operate in accordance with intended use!

- ⚠ The product may only be put into operation by competent persons.
- ⚠ Only use the product in accordance with the intended use.

### Mounting

| Type     | Application  |
|----------|--|
| LA-78    | Place against the front of the optics module and attach using knurled-head screws  |
| LA-78U   | <b>Observe mounting arrangement, see page 4!</b><br>Place guide pins laterally into the T-slot in the housing; lock into position by giving the knurled-head screw a ¼ turn (by turning)               |
| LA-78UDC | Insert clamping limb of the LA-78UDC between sensor housing and UDC housing. Place guide pins laterally into the T-slot in the sensor housing; lock into position by swivelling the lever approx. 90°. |

### Battery change

To change the AAA cells, the two screws M2.5 on the bottom and the cover have to be removed. Change the AAA cells acc. to the figure, mount the cover and fasten the screws.

### Laser safety notices

#### ⚠ ATTENTION, LASER RADIATION – CLASS 2 LASER PRODUCT



#### Do not stare into beam

The device satisfies the requirements of IEC 60825-1:2014 / EN 60825-1:2014+A11:2021 safety regulations for a product of **laser class 2** and complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed. 3., as described in Laser Notice No. 56, dated May 8, 2019.

- ⚡ Never look directly into the laser beam or in the direction of reflected laser beams!  
If you look into the beam path over a longer time period, there is a risk of injury to the retina.
- ⚡ Do not point the laser beam of the device at persons!
- ⚡ Interrupt the laser beam using a non-transparent, non-reflective object if the laser beam is accidentally directed towards a person.
- ⚡ When mounting and aligning the device, avoid reflections of the laser beam off reflective surfaces!
- ⚡ **CAUTION!** Use of controls or adjustments or performance of procedures other than specified herein may result in hazardous light exposure.
- ⚡ Observe the applicable statutory and local laser protection regulations.
- ⚡ The device must not be tampered with and must not be changed in any way.  
There are no user-serviceable parts inside the device.
- ⚡ **CAUTION!** Opening the device may result in hazardous radiation exposure!  
Repairs must only be performed by Leuze electronic GmbH + Co. KG.

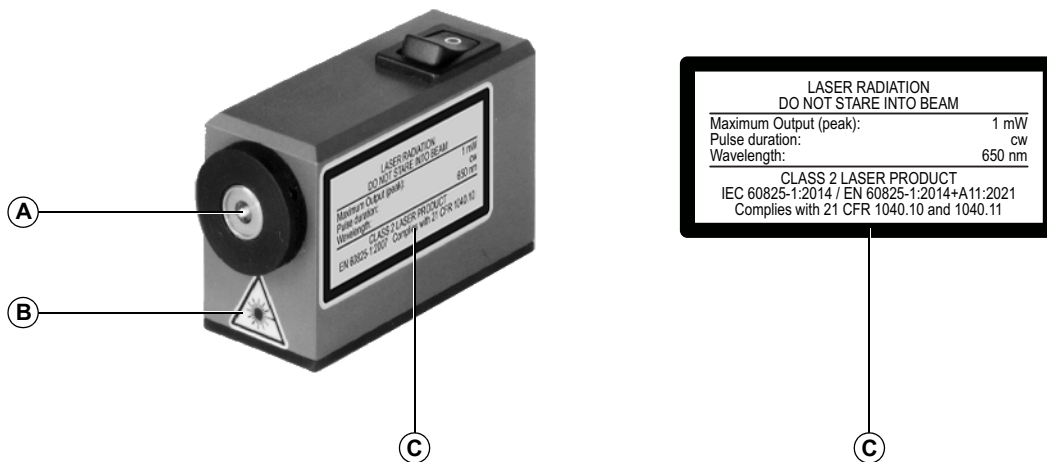
#### NOTE



#### Laser information and warning signs

Laser warning and laser information signs are affixed to the device (see Fig. ①).

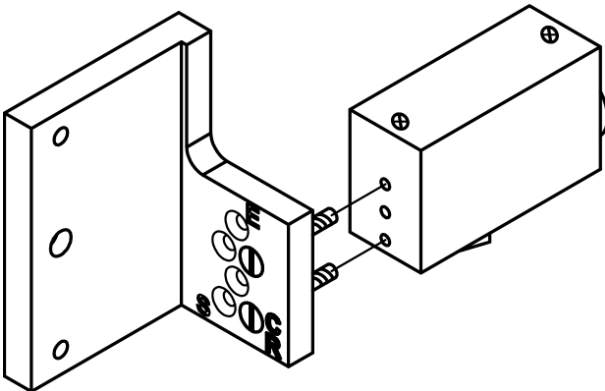
①



- A Laser exit opening
- B Laser warning sign
- C Laser information sign with laser parameters

### Mounting arrangement of LA-78U for COMPACTplus, SOLID and MLC

LA-78U: Mounting in hole row C/R for COMPACTplus



LA-78U: Mounting in hole row S for SOLID, MLC

