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## vicolux® Bar Light - LDL14x50-IR850/24V/EX- Luminous Field Size 14 mm x 50 mm

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|---------------------------|-------------------------------------------------------------------------------------------|
| <b>Short description:</b> | bar light, IR850, diffuse, lf-size: 14 mm x 50 mm, static/switchable, external            |
| <b>Order number:</b>      | 1-16-583                                                                                  |
| <b>EAN:</b>               | 4251692672884                                                                             |
| <b>Actual Notice:</b>     | <b>Not for new developments</b> Please use the revised variant "-a" for new developments. |

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### Characteristics

- LED bar light with diffuse illumination
  - homogeneous illumination
  - lighting controller external
  - continuous or pulsed operation
  - brightness pre-set, flash duration corresponds to pulse-length
  - connection: M5 plug at lighting controller
  - metal casing, optical material: PMMA
  - multiple mounting options
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## Technical data

|                           |                                 |
|---------------------------|---------------------------------|
| Luminous field            | 14 mm x 50 mm                   |
| Light colour              | IR, 850 nm                      |
| Light design              | Diffuse                         |
| Radiance                  | 72 mW/(cm <sup>2</sup> sr)      |
| Operation voltage         | 24 VDC (12 - 30 V)              |
| Ambient temperature       | -10°C bis +45°C                 |
| Degree of protection      | IP50                            |
| Housing material          | Aluminium black anodised        |
| Weight                    | 36 g                            |
| Risk group (DIN EN 62471) | Risk group 0 (exempt group)     |
| Safety class              | III, Schutzkleinspannung (SELV) |

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## Notices

**For further information, please contact your personal contact in our sales department.**

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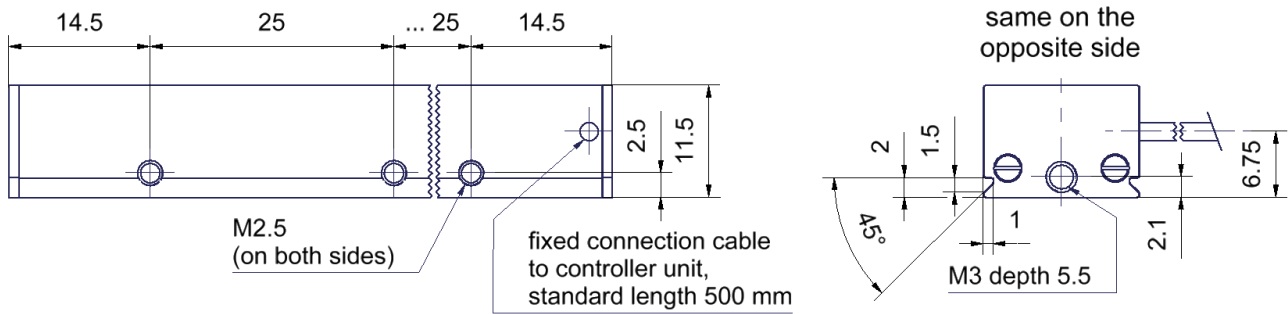
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**Accessories for Area and Bar lights - LDL14x50-IR850/24V/EX**

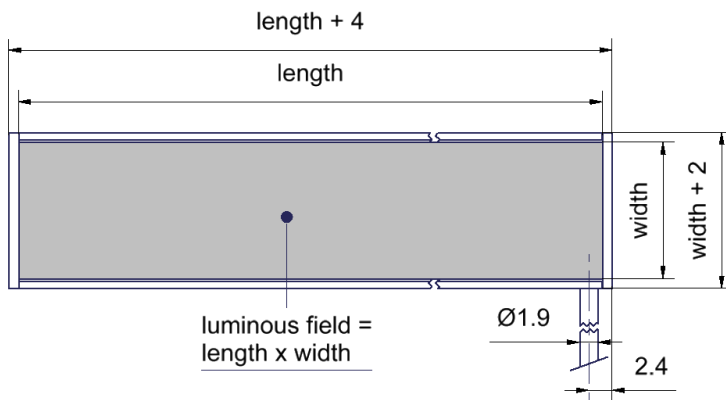
| Order number                           | Title                      | Description                                                                           |
|----------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| <b><i>Mounting Systems</i></b>         |                            |                                                                                       |
| 1-16-827                               | Tension clamp LxL14 series | for variable attachment and extension of the LxL14 series, l=25mm, w=24mm             |
| <b><i>Connection cable M5-4pin</i></b> |                            |                                                                                       |
| 1-11-117                               | Cable-M5-4p-1A-straight-2m | 4x0.14mm <sup>2</sup> , 1A, 60V, PUR, IP67, M5-4pin straight socket to free cable end |
| 1-11-116                               | Cable-M5-4p-1A-straight-5m | 4x0.14mm <sup>2</sup> , 1A, 60V, PUR, IP67, M5-4pin straight socket to free cable end |
| 1-11-105                               | Cable-M5-4p-1A-angled-2m   | 4x0.14mm <sup>2</sup> , 1A, 60V, PUR, IP67, M5-4pin angled socket to free cable end   |
| 1-11-104                               | Cable-M5-4p-1A-angled-5m   | 4x0.14mm <sup>2</sup> , 1A, 60V, PUR, IP67, M5-4pin angled socket to free cable end   |

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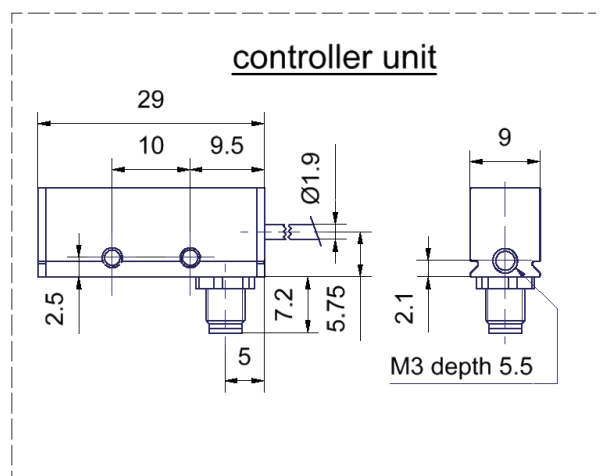
## Drawings



### light unit



### controller unit



Dimensional drawing in mm: length = 50 mm; width = 14 mm

| Funktion         | Belegung | Kabelfarbe* | Pin | Polbild |
|------------------|----------|-------------|-----|---------|
| Betriebsspannung | V+       | braun       | 1   |         |
| Masse            | GND      | blau        | 3   |         |
| Schalteingang    | ON/OFF   | schwarz     | 4   |         |
| Nicht belegt     | NC       | weiß        | 2   |         |

\* für empfohlenes Zubehör

Pin assignments, M5 connector