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## vicolux® Bar Light - LAL14x100-W5K7/24V/EX- Luminous Field Size 14 mm x 100 mm

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**Short description:** bar light, white, directed, lf-size: 14 mm x 100 mm, static/switchable, external

**Order number:** 1-16-438

**EAN:** 4251692672174

**Actual Notice:** **Not for new developments** Please use the revised variant "-a" for new developments.



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### Characteristics

- LED bar light with direct 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 100 mm                  |
| Light colour              | White, 5700 K                   |
| Light design              | Directed                        |
| Irradiance                | 18 W/m <sup>2</sup>             |
| Illumination              | 6000 lx                         |
| Operation voltage         | 24 VDC (12 - 30 V)              |
| Ambient temperature       | -10°C to +45°C                  |
| Degree of protection      | IP50                            |
| Housing material          | Aluminium black anodised        |
| Weight                    | 50 g                            |
| Risk group (DIN EN 62471) | Risk group 0 (exempt group)     |
| Safety class              | III, Schutzkleinspannung (SELV) |

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## Notices

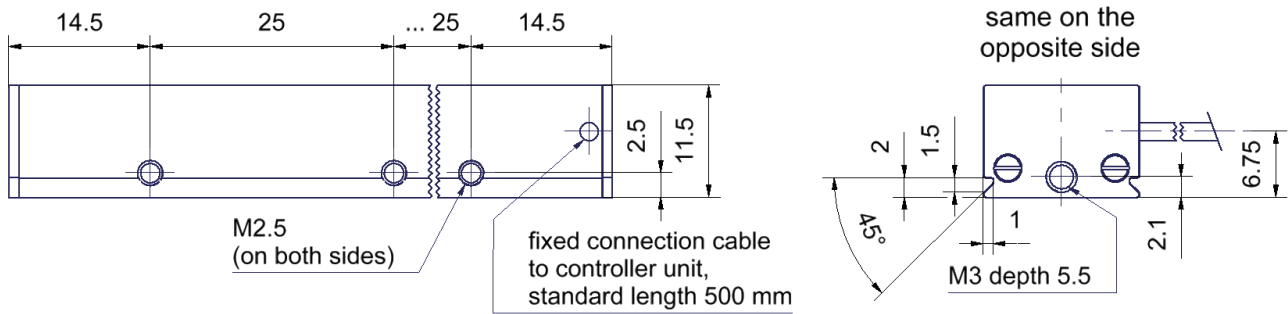
**For further information, please contact your personal contact in our sales department.**

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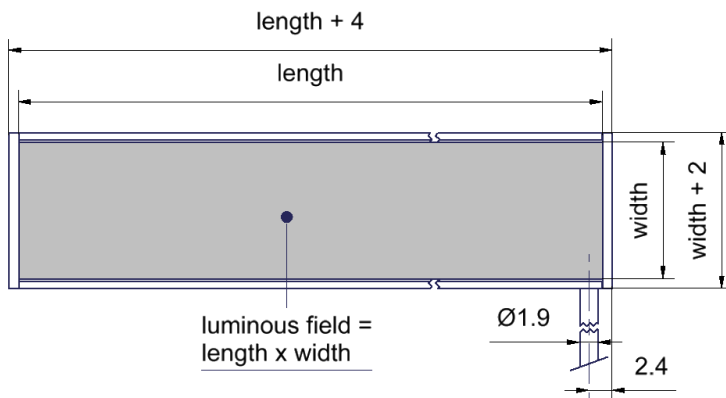
## Accessories for Area and Bar lights - LAL14x100-W5K7/24V/EX

| Order number                           | Title                      | Description                                                                           |
|----------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| <b>Mounting Systems</b>                |                            |                                                                                       |
| 1-16-827                               | Tension clamp LxL14 series | for variable attachment and extension of the LxL14 series, l=25mm, w=24mm             |
| <b>Polarisers for 14 mm Bar Lights</b> |                            |                                                                                       |
| 1-16-924                               | Polarizer 14x100, linear   | for LxL14x100, 400 - 700 nm, plate thickness 0.2 mm, self-adhesive                    |
| <b>Connection cable M5-4pin</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   |

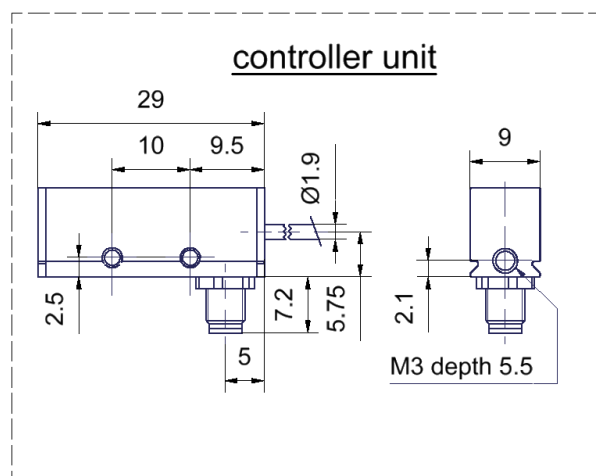
## Drawings



### light unit



### controller unit



Dimensional drawing in mm: length = 100 mm; width = 14 mm

| Function          | Symbol | Cable Colour* | Pin | Contact arrangement |
|-------------------|--------|---------------|-----|---------------------|
| Operating Voltage | V+     | brown         | 1   |                     |
| Ground            | GND    | blue          | 3   |                     |
| Switch Input      | ON/OFF | black         | 4   |                     |
| Not connected     | NC     | white         | 2   |                     |

\* for recommended accessories

Pin assignments, M5 connector