

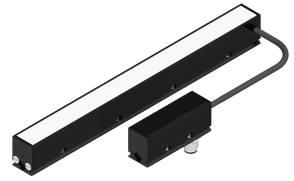
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## vicolux® Bar Light - LAL7x100-B470/24V/EX- Luminous Field Size 7 mm x 100 mm

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|---------------------------|-------------------------------------------------------------------------------------------|
| <b>Short description:</b> | bar light, blue, directed, lf-size: 7 mm x 100 mm, static/switchable, external            |
| <b>Order number:</b>      | 1-16-357                                                                                  |
| <b>EAN:</b>               | 4251692671764                                                                             |
| <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 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            | 7 mm x 100 mm                   |
| Light colour              | Blue, 470 nm                    |
| Light design              | gerichtet                       |
| Irradiance                | 143 W/m <sup>2</sup>            |
| Illumination              | 11000 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                    | 30 g                            |
| Risk group (DIN EN 62471) | Risk group 0 (exempt group)     |
| Safety class              | III, Schutzkleinspannung (SELV) |

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## Notices

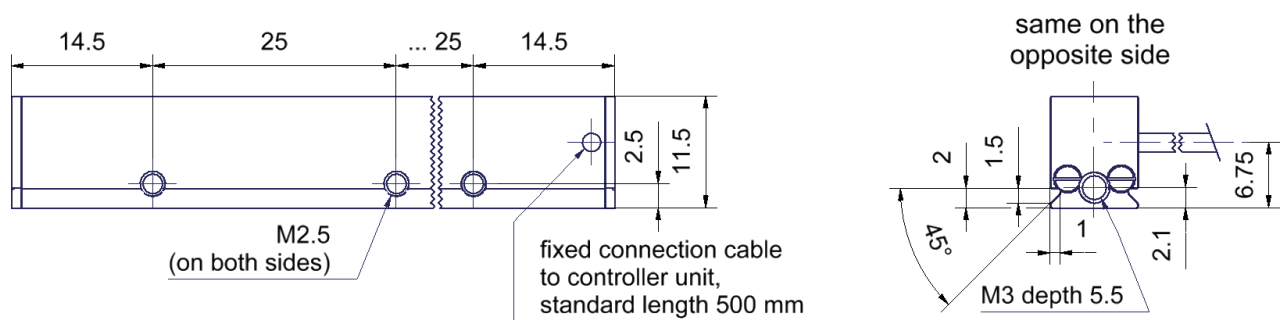
**For further information, please contact your personal contact in our sales department.**

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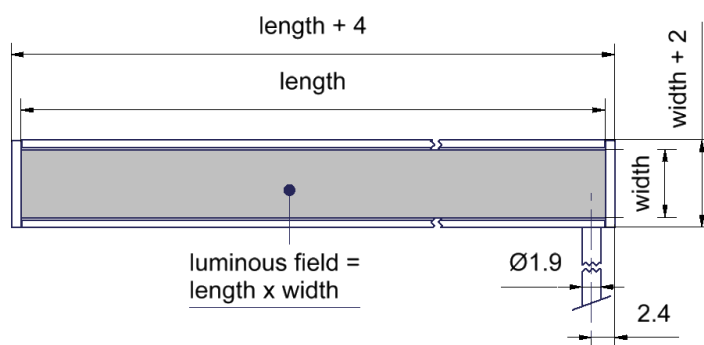
## Accessories for Area and Bar lights - LAL7x100-B470/24V/EX

| Order number                          | Title                      | Description                                                                           |
|---------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| <b>Mounting Systems</b>               |                            |                                                                                       |
| 1-16-826                              | Tension clamp LxL7 series  | for variable attachment and extension of the LxL7 series, l=25mm, w=17mm              |
| <b>Polarisers for 7 mm Bar Lights</b> |                            |                                                                                       |
| 1-16-904                              | Polarizer 7x100, linear    | for LxL7x100, 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   |

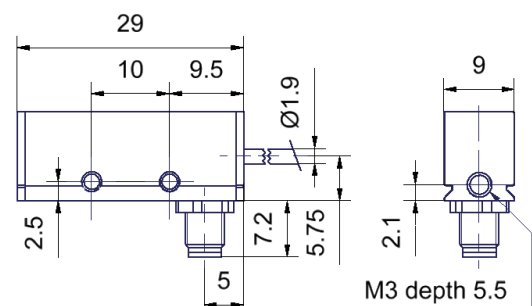
## Drawings



### light unit



### controller unit



Dimensional drawing in mm: length = 100 mm; width = 7 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