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## vicolux® Area Light - FDL06-B470/C

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|---------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Short description:</b> | area light, blue, diffuse, lf-size: 120x90 mm, controlled                                                     |
| <b>Order number:</b>      | 1-15-654                                                                                                      |
| <b>EAN:</b>               | 4251692654606                                                                                                 |
| <b>Actual Notice:</b>     | <b>Not for new developments</b><br>Please use the products of the A-DIF or FDLRL series for new developments. |



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### Characteristics

- flat LED area light with diffuse illumination
  - homogeneous illumination
  - lighting controller integrated in casing
  - continuous or pulsed operation
  - pulse-length and brightness adjustable
  - connection: cable with open ends
  - metal casing, optical material: glass
  - multiple mounting options
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## Technical data

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Light-emitting surface    | 120 mm x 90 mm                                                                                                             |
| Light design              | Diffus                                                                                                                     |
| Light colour (typ.)       | Blau, 470 nm                                                                                                               |
| Operating mode            | Switchable continuous operation<br>Pulse operation (1 $\mu$ s - $\infty$ )                                                 |
| Special feature           | Brightness setting via analog control voltage 0 - 10 VDC<br>(switchable 1 ms - $\infty$ ) or manually on the potentiometer |
| Operation voltage         | 24 VDC (10 - 30 V)                                                                                                         |
| Power consumption         | max. 15 W (630 mA at 24 VDC)                                                                                               |
| Radiance                  | 21 W/(m <sup>2</sup> sr)                                                                                                   |
| Luminance                 | 1,100 cd/m <sup>2</sup>                                                                                                    |
| Housing material          | Aluminium, black anodised                                                                                                  |
| Optical material          | Glass                                                                                                                      |
| Weight                    | 840 g                                                                                                                      |
| Degree of protection      | IP50                                                                                                                       |
| Safety class              | Class III, safety extra low voltage (SELV)                                                                                 |
| Risk group (DIN EN 62471) | Freie Gruppe                                                                                                               |
| Ambient temperature       | - 10 °C ... + 45 °C                                                                                                        |

## Cable

|                     |                                                      |
|---------------------|------------------------------------------------------|
| Cable length        | 1,500 mm                                             |
| Cable diameter      | 6.5 mm                                               |
| Cable structure     | 4 x 0.25 mm <sup>2</sup> and 3 x 0.5 mm <sup>2</sup> |
| Drag chain suitable | yes                                                  |

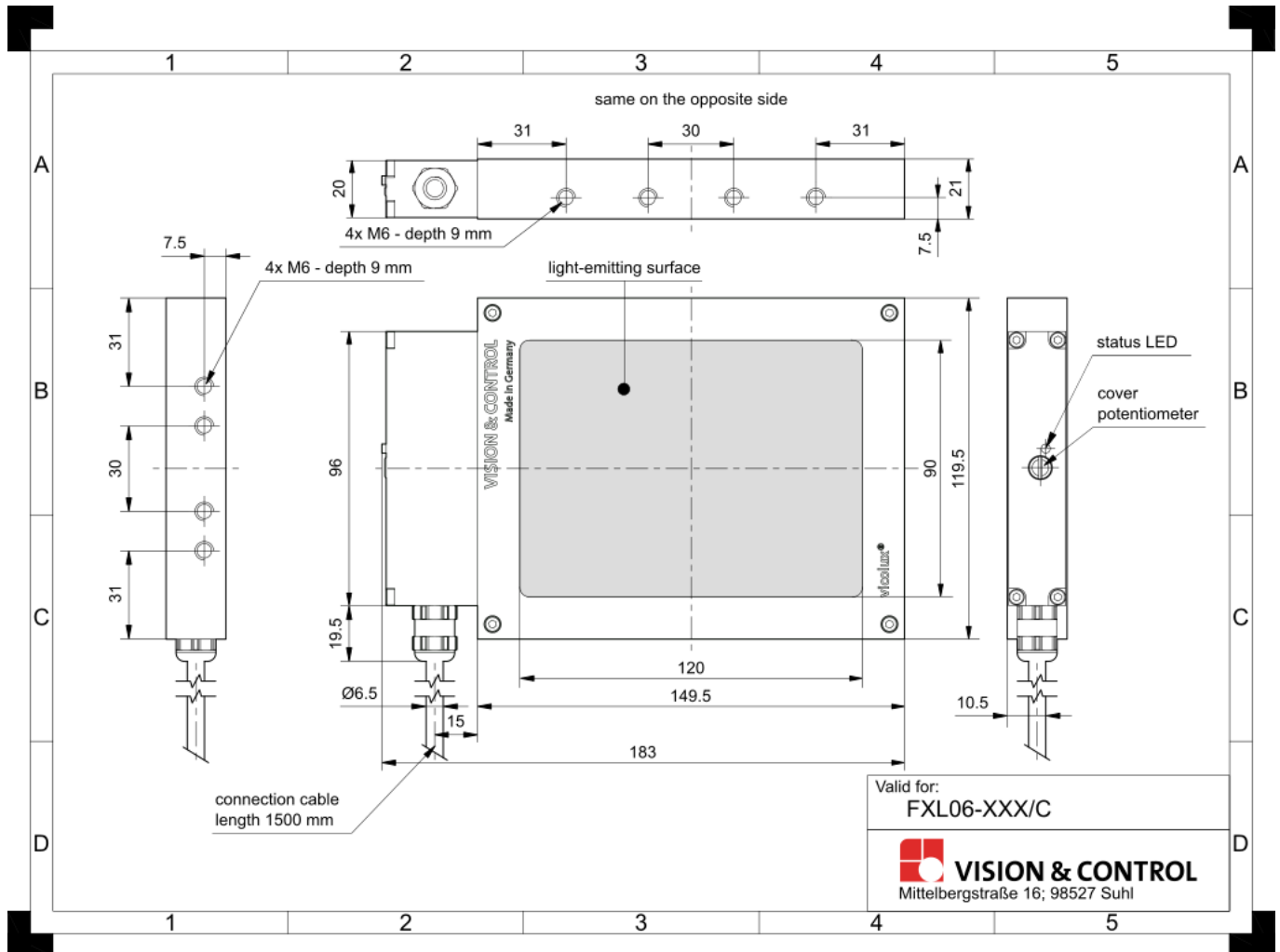
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## Notices

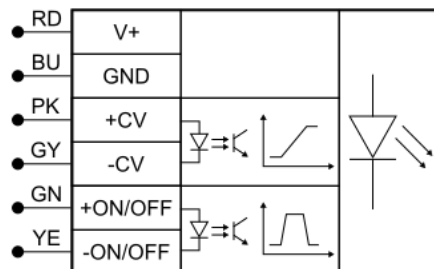
**For further information, please contact your personal contact in our sales department.**

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## Drawings



Dimensional drawing in mm



| Core colour | Signal  | Description       |
|-------------|---------|-------------------|
| RD (red)    | V+      | Operating voltage |
| BU (blue)   | GND     | Ground            |
| PK (pink)   | +CV     | Control voltage   |
| GY (grey)   | -CV     | Control voltage   |
| GN (green)  | +ON/OFF | Switch input      |
| YE (yellow) | -ON/OFF | Switch input      |

Pin assignment: cable open, 6-core