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## vicolux® Bar Light - LLL7x50-IR850/UDC/-a- Luminous Field Size 7 mm x 50 mm

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**Short description:** bar light, IR850, lenticular, lf-size: 7 mm x 50 mm, flashable by flash controller

**Order number:** 1-34-169

**EAN:** 4251692675670



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### Characteristics

- LED bar light with direct illumination and focusing lenticular lens
  - homogeneous illumination
  - safe operation due to vicolux® smart light Controller (e.g. DLC3005)
  - metal casing, optical material: PMMA
  - multiple mounting options
  - connection: cable with M8 connector, cable outlet left
  - Alternative: cable outlet right (Order no. 1-34-369)
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## Technical data

|                                        |                                 |
|----------------------------------------|---------------------------------|
| Luminous field                         | 7 mm x 50 mm                    |
| Light colour                           | Infrared, 850 nm                |
| Light design                           | Lenticular                      |
| Special feature                        | Flashable with flash controller |
| Degree of protection                   | IP50                            |
| Safety class                           | III, Schutzkleinspannung (SELV) |
| Risk group (DIN EN 62471)              | Risk group 0 (exempt group)     |
| Ambient temperature                    | -10°C bis 45°C                  |
| Housing material                       | Aluminium black anodised        |
| Weight                                 | 28 g                            |
| Power consumption                      | max. 0.8 W                      |
| Irradiance <sup>1)</sup>               |                                 |
| • Continuous operation                 | 95 W/m <sup>2</sup>             |
| • Flash mode                           | 1800 W/m <sup>2</sup>           |
| <sup>1)</sup> working distance = 50 mm |                                 |

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## Can be combined with

| Order number                  | Title     | Description                                                                        |
|-------------------------------|-----------|------------------------------------------------------------------------------------|
| <b>LED Controller DLC3005</b> |           |                                                                                    |
| 1-30-202                      | DLC3005   | LED lighting controller, digital, cont./flash current: 4.8A/18A, wall mounting     |
| 1-30-209                      | DLC3005-R | LED lighting controller, digital, cont./flash current: 4.8A/18A, DIN rail mounting |

## Accessories for Area and Bar lights - LLL7x50-IR850/UDC/-a

| 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> |                            |                                                                                       |
| 1-16-902                              | Polarizer 7x50, linear     | for LxL7x50, 400 - 700 nm, plate thickness 0.2 mm, self-adhesive                      |
| <b>Connection cable M8-4pin</b>       |                            |                                                                                       |
| 1-11-611                              | Cable-M8-4p-5A-straight-1m | 4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end  |
| 1-11-612                              | Cable-M8-4p-5A-straight-2m | 4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end  |
| 1-11-613                              | Cable-M8-4p-5A-straight-3m | 4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end  |
| 1-11-614                              | Cable-M8-4p-5A-straight-5m | 4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to free cable end  |
| 1-11-609                              | Cable-M8-4p-4A-straight-5m | 4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin straight socket to free cable end |
| 1-11-605                              | Cable-M8-4p-4A-angled-2m   | 4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end   |
| 1-11-604                              | Cable-M8-4p-4A-angled-5m   | 4x0.25mm <sup>2</sup> , 4A, 60V, PUR, IP67, M8-4pin angled socket to free cable end   |
| <b>Extension cable M8-4pin</b>        |                            |                                                                                       |

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| Order number | Title                         | Description                                                                                 |
|--------------|-------------------------------|---------------------------------------------------------------------------------------------|
| 1-11-093     | Extension cable-M8-4p-5A-0.6m | 4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug |
| 1-11-094     | Extension cable-M8-4p-5A-1.5m | 4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug |
| 1-11-095     | Extension cable-M8-4p-5A-3.0m | 4x0.5mm <sup>2</sup> , 5A, 30V, PUR, IP67, M8-4pin straight socket to M8-4pin straight plug |

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## Drawings



Dimensional drawing in mm: length = 50 mm; width = 7 mm



Pin assignments, M8 connector