

---

## vicolux® Bar Light - LLL7x250-IR850/24V- Luminous Field Size 7 mm x 250 mm

---

**Short description:** bar light, IR850, lenticular, lf-size: 7 mm x 250 mm, static/switchable

**Order number:** 1-27-077

**EAN:** 4251692673584



---

### Characteristics

- LED bar light with direct illumination and focusing lenticular lens
  - homogeneous illumination
  - lighting controller integrated in casing
  - continuous or pulsed operation
  - brightness pre-set, flash duration corresponds to pulse-length
  - connection: M5 plug on the casing
  - metal casing, optical material: PMMA
  - multiple mounting options
-

---

## Technical data

|                           |                                 |
|---------------------------|---------------------------------|
| Luminous field            | 7 mm x 250 mm                   |
| Light colour              | Infrared, 850 nm                |
| Light design              | Lenticular                      |
| Irradiance                | 76 W/m <sup>2</sup>             |
| Operation voltage         | 24 VDC (12 - 30 V)              |
| Ambient temperature       | -10°C bis +45°C                 |
| Degree of protection      | IP50                            |
| Housing material          | Aluminium black anodised        |
| Weight                    | 60 g                            |
| Risk group (DIN EN 62471) | Freie Gruppe                    |
| Safety class              | III, Schutzkleinspannung (SELV) |

---

---

**Accessories for Area and Bar lights - LLL7x250-IR850/24V**

| Order number                                 | Title                      | Description                                                                           |
|----------------------------------------------|----------------------------|---------------------------------------------------------------------------------------|
| <b><i>Mounting Systems</i></b>               |                            |                                                                                       |
| 1-16-826                                     | Tension clamp LxL7 series  | for variable attachment and extension of the LxL7 series, l=25mm, w=17mm              |
| <b><i>Polarisers for 7 mm Bar Lights</i></b> |                            |                                                                                       |
| 1-16-910                                     | Polarizer 7x250, linear    | for LxL7x250, 400 - 700 nm, plate thickness 0.2 mm, self-adhesive                     |
| <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   |

---

## Drawings



Dimensional drawing in mm: length = 250 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