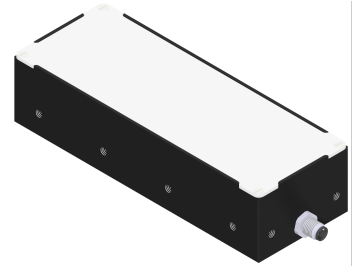


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## vicolux® Area Light - AL30x90-IR850/24V

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|                           |                                                                              |
|---------------------------|------------------------------------------------------------------------------|
| <b>Short description:</b> | area light, IR850, directed, lf-size: 30x90 mm, M5-4pin, static / switchable |
| <b>Order number:</b>      | 1-21-604                                                                     |
| <b>EAN:</b>               | 4251692658734                                                                |



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### Characteristics

- LED area light with direct illumination
  - 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
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## Technical data

|                           |                                            |
|---------------------------|--------------------------------------------|
| Light-emitting surface    | 30 mm x 90 mm                              |
| Light colour              | Infrared, 850 nm                           |
| Light design              | Directed                                   |
| Operating voltage         | 24 VDC (10 - 30 V)                         |
| Degree of protection      | IP50                                       |
| Safety class              | Class III, safety extra low voltage (SELV) |
| Risk group (DIN EN 62471) | Exempt                                     |
| Ambient temperature       | -10°C to +45°C                             |
| Housing material          | Aluminium black anodised                   |
| Weight                    | 115 g                                      |
| Irradiance <sup>1)</sup>  |                                            |
| • Continuous operation    | 269 W/m <sup>2</sup>                       |

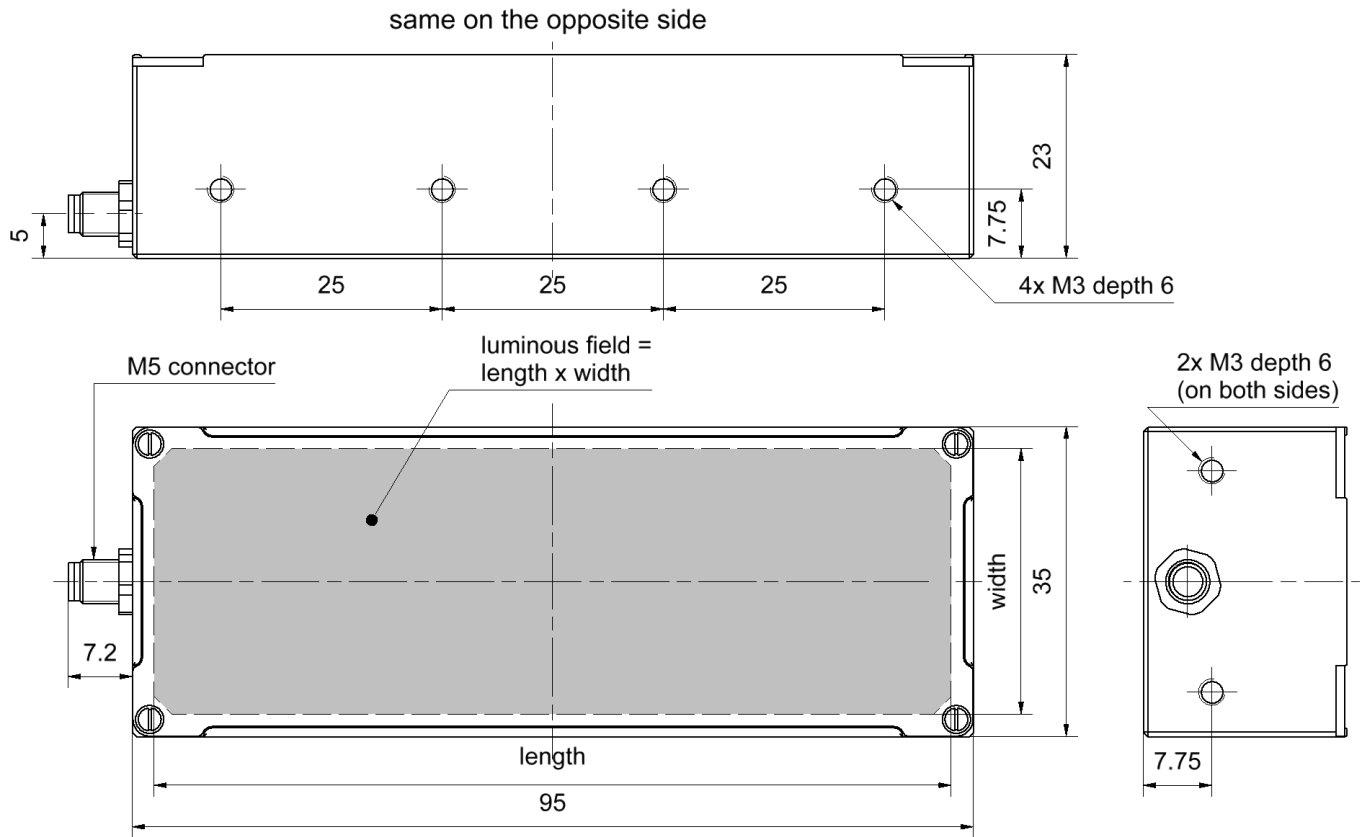
<sup>1)</sup> working distance = 50 mm

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## Accessories for Area and Bar lights - AL30x90-IR850/24V

| Order number                             | Title                       | Description                                                                           |
|------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------|
| <b><i>diffusers</i></b>                  |                             |                                                                                       |
| 1-21-560                                 | Diffusor 40% 30x90x1        | for AL30x90 diffuser plate made of PMMA, screwable                                    |
| <b><i>Polarisers for Area Lights</i></b> |                             |                                                                                       |
| 1-21-562                                 | Polarizer linear 30x90x0.18 | for AL30x90 and DL30x90, polarizing filter, neutral gray, self-adhesive               |
| 1-21-563                                 | Polarizer linear 30x90x2    | for AL30x90, polarizing filter, neutral gray, screwable                               |
| <b><i>protective covers</i></b>          |                             |                                                                                       |
| 1-21-561                                 | Clear cover 30x90x1         | for AL30x90, protective cover made of PMMA, screwable                                 |
| <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 = 90 mm; width = 30 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