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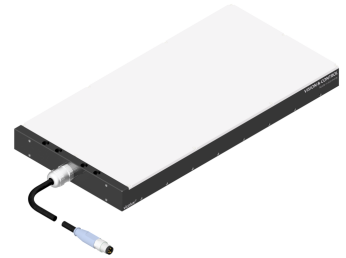
## vicolux® Area Light - A-DIF-120x240-W5K7-SL

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**Short description:** area light, white, diffuse, lf-size:  
120mmx240mm, smart light

**Order number:** 1-33-134

**EAN:** 4251692652244



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### Characteristics

- LED area light with diffuse illumination
  - vicolux® smart light - Technology
  - flashable LED area light with diffuse illumination
  - safe operation due to vicolux® smart light Controller (e.g. DLC3005)
  - Ideally suited for multispectral applications in the NIR and SWIR range, thanks to simple combination with other illuminators of the same design
  - further lengths available on request
  - connection: cable with M8 connector
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## Technical data

|                           |                                            |
|---------------------------|--------------------------------------------|
| Light-emitting surface    | 120 mm x 240 mm                            |
| Light colour              | White, 5700 K                              |
| Light design              | Diffuse                                    |
| Special feature           | Flashable with flash controller            |
| Power consumption         |                                            |
| • Continuous operation    | 24 W                                       |
| • Flash mode              | 125 W                                      |
| Radiance                  |                                            |
| • Continuous operation    | 55 W/(m <sup>2</sup> sr)                   |
| • Flash mode              | 155 W/(m <sup>2</sup> sr)                  |
| Housing material          | Aluminium, black anodised                  |
| Optical material          | PMMA                                       |
| Weight                    | 775 g                                      |
| Degree of protection      | IP 50                                      |
| Safety class              | Class III, safety extra low voltage (SELV) |
| Risk group (DIN EN 62471) | Exempt                                     |
| Ambient temperature       | 0 °C ... 45 °C                             |

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## Notices

The lighting can only be operated in conjunction with a lighting controller or a suitable current source.

vicolux® smart light lighting controllers limit the electrical parameters automatically and also monitor the temperature of the device.

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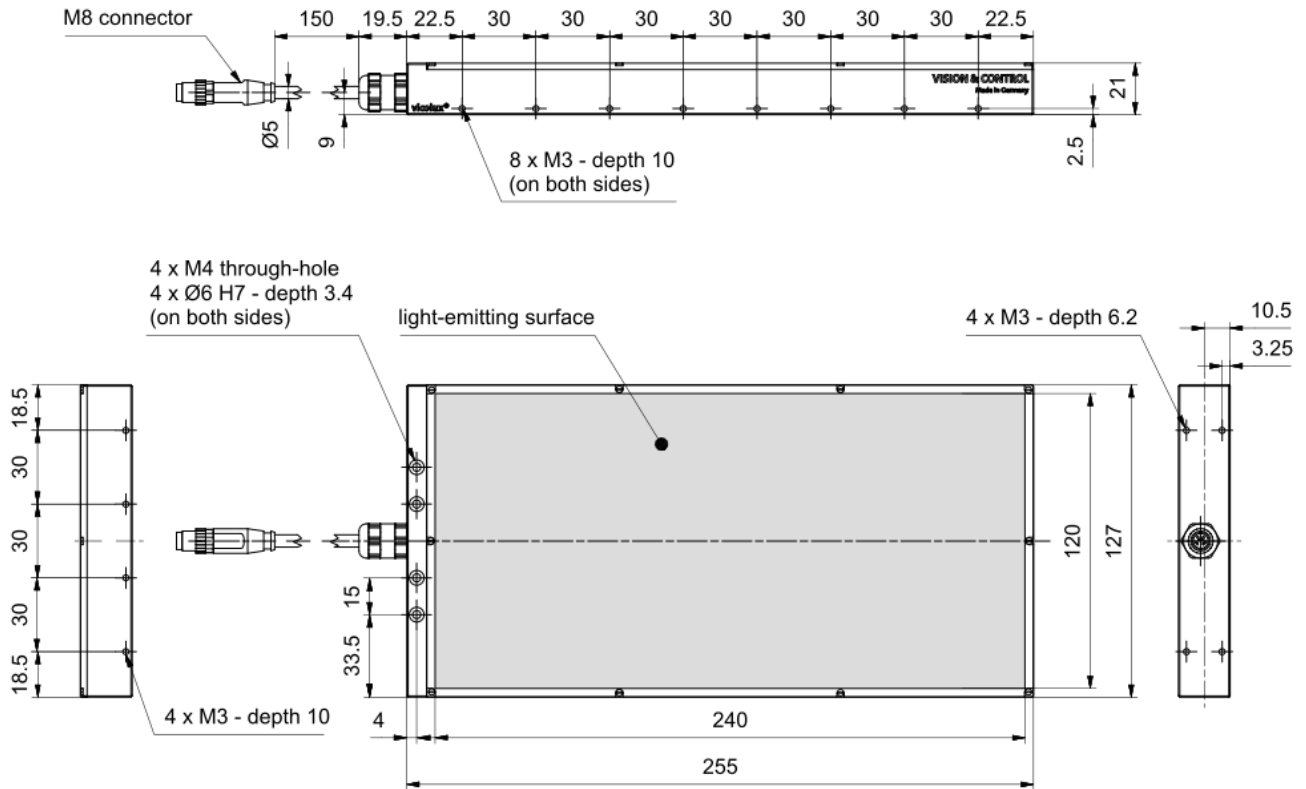
## Can be combined with

| 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 |

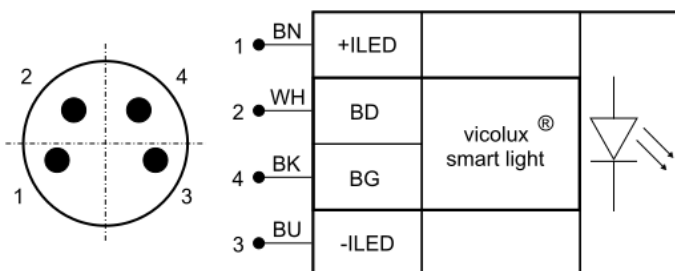
## Accessories for Area and Bar lights - A-DIF-120x240-W5K7-SL

| Order number                    | Title                         | Description                                                                                 |
|---------------------------------|-------------------------------|---------------------------------------------------------------------------------------------|
| <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>  |                               |                                                                                             |
| 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 |

## Drawings



Dimensional drawing in mm



| Pin | Aderfarbe    | Signal | Beschreibung                                                |
|-----|--------------|--------|-------------------------------------------------------------|
| 1   | BN (braun)   | +ILED  | LED-Anode, positiver Stromeingang                           |
| 2   | WH (weiß)    | BD     | Data Channel für vicolux® smart light Module <sup>(1)</sup> |
| 4   | BK (schwarz) | BG     | Data Channel für vicolux® smart light Module <sup>(1)</sup> |
| 3   | BU (blau)    | -ILED  | LED-Kathode, negativer Stromeingang                         |

<sup>(1)</sup> Nur in Verbindung mit vicolux® smart light Beleuchtungscontrollern verwenden.

Pin assignment: M8 connector