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## vicolux® Area Light - A-DIF-90x120-IR850-SL

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**Short description:** area light, IR850, diffuse, lf-size:  
90mmx120mm, smart light

**Order number:** 1-33-186

**EAN:** 4251692652503



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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	90 mm x 120 mm
Light colour	Infrared, 850 nm
Light design	Diffuse
Special feature	Blitzbar mit Blitzcontroller
Power consumption	
• Continuous operation	12 W
• Flash mode	150 W
Radiance	
• Continuous operation	210 W/(m <sup>2</sup> sr)
• Flash mode	840 W/(m <sup>2</sup> sr)
Housing material	Aluminium, black anodised
Optical material	PMMA
Weight	340 g
Degree of protection	IP 50
Safety class	Class III, safety extra low voltage (SELV)
Risk group (DIN EN 62471)	Freie Gruppe
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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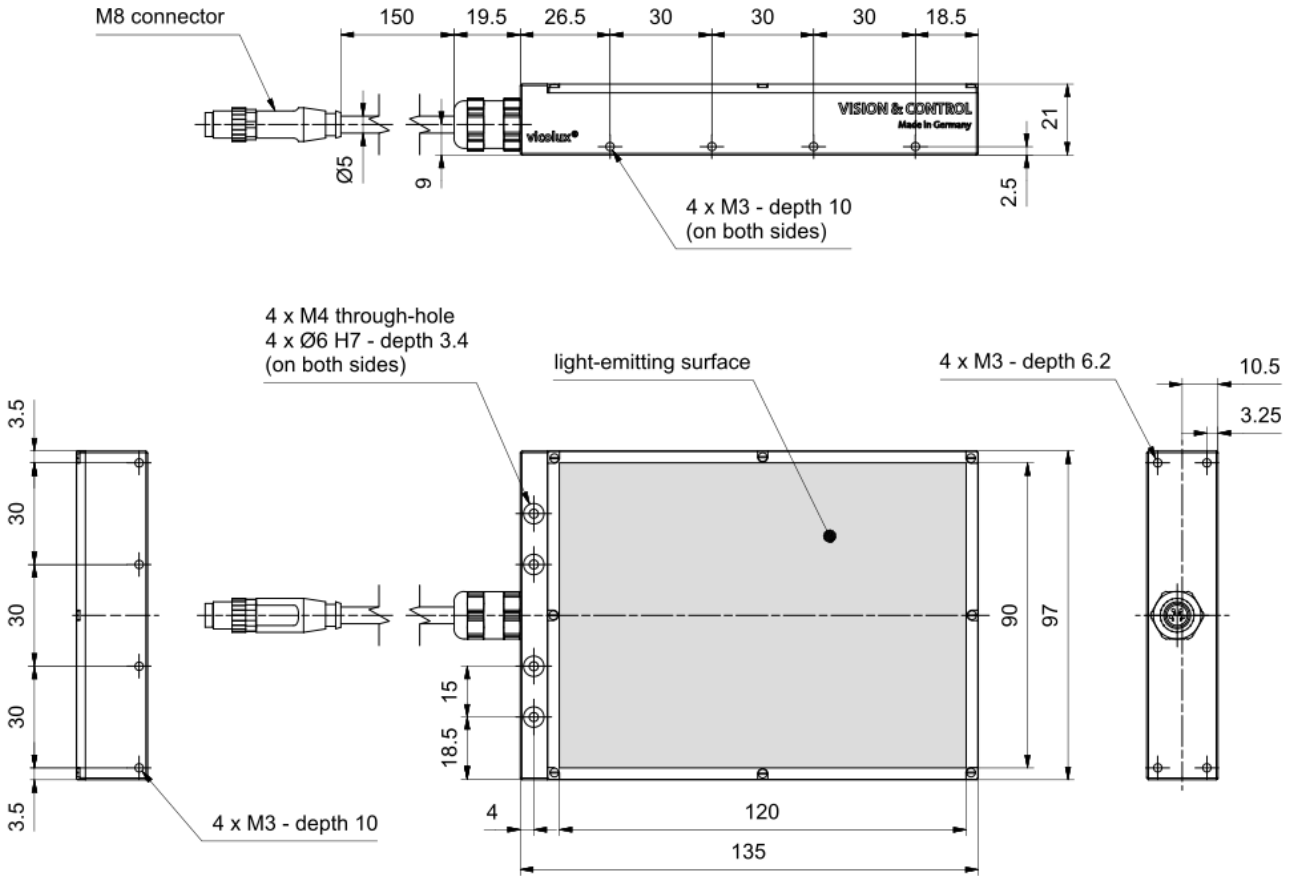
## Can be combined with

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

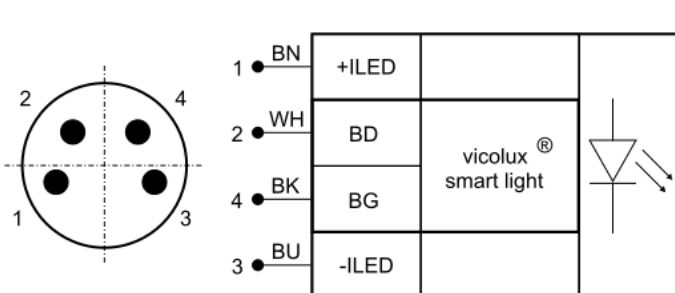
## Accessories for Area and Bar lights - A-DIF-90x120-IR850-SL

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