
vicolux® Bar Light - LAL14x50-IR850/24V/EX- Luminous Field Size 14 mm x 50 mm

Short description:	bar light, IR850, directed, lf-size: 14 mm x 50 mm, static/switchable, external
Order number:	1-16-423
EAN:	4251692672082
Actual Notice:	Not for new developments Please use the revised variant "-a" for new developments.



Characteristics

- LED bar light with direct illumination
 - homogeneous illumination
 - lighting controller external
 - continuous or pulsed operation
 - brightness pre-set, flash duration corresponds to pulse-length
 - connection: M5 plug at lighting controller
 - metal casing, optical material: PMMA
 - multiple mounting options
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Technical data

Luminous field	14 mm x 50 mm
Light colour	IR, 850 nm
Light design	gerichtet
Irradiance	46 W/m ²
Operation voltage	24 VDC (12 - 30 V)
Ambient temperature	-10°C bis +45°C
Degree of protection	IP50
Housing material	Aluminium black anodised
Weight	36 g
Risk group (DIN EN 62471)	Risk group 0 (exempt group)
Safety class	Class III, safety extra low voltage (SELV)

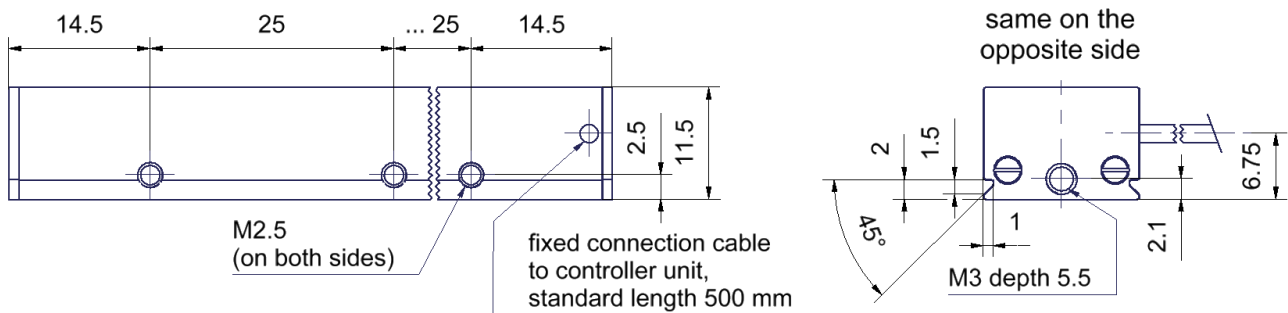
Notices

For further information, please contact your personal contact in our sales department.

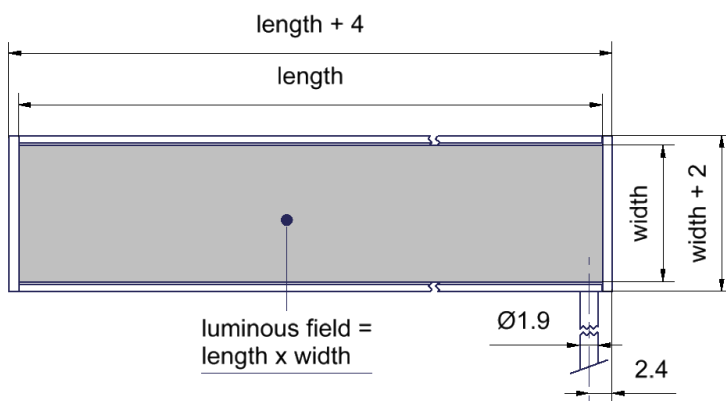
Accessories for Area and Bar lights - LAL14x50-IR850/24V/EX

Order number	Title	Description
Mounting Systems		
1-16-827	Tension clamp LxL14 series	for variable attachment and extension of the LxL14 series, l=25mm, w=24mm
Polarisers for 14 mm Bar Lights		
1-16-922	Polarizer 14x50, linear	for LxL14x50, 400 - 700 nm, plate thickness 0.2 mm, self-adhesive
Connection cable M5-4pin		
1-11-117	Cable-M5-4p-1A-straight-2m	4x0.14mm ² , 1A, 60V, PUR, IP67, M5-4pin straight socket to free cable end
1-11-116	Cable-M5-4p-1A-straight-5m	4x0.14mm ² , 1A, 60V, PUR, IP67, M5-4pin straight socket to free cable end
1-11-105	Cable-M5-4p-1A-angled-2m	4x0.14mm ² , 1A, 60V, PUR, IP67, M5-4pin angled socket to free cable end
1-11-104	Cable-M5-4p-1A-angled-5m	4x0.14mm ² , 1A, 60V, PUR, IP67, M5-4pin angled socket to free cable end

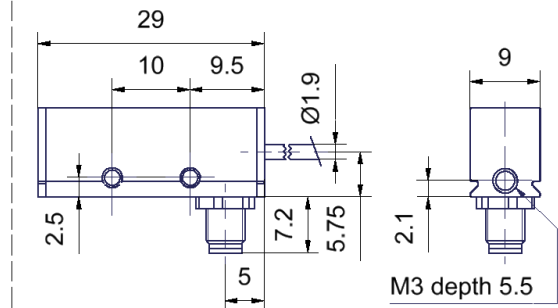
Drawings



light unit



controller unit



Dimensional drawing in mm: length = 50 mm; width = 14 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