

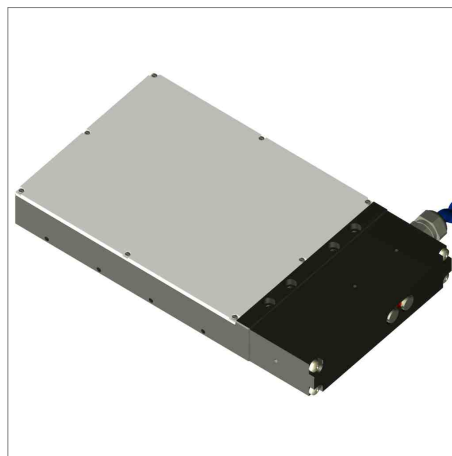
Diffuse area lights with rimless luminous field

vicolux®

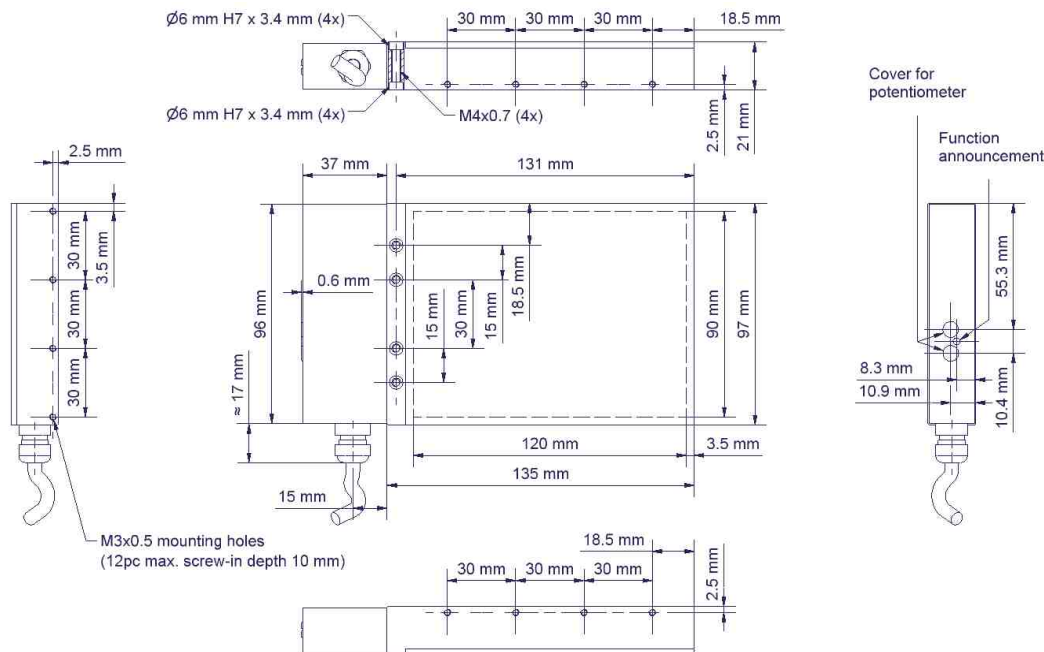
FDLRL06 power flash series luminous area 90 x 120 mm²

Product features

- LED flashlighting with flash duration from 1 to 100 μ s
- Integrated controller: compact and robust construction inclusive control and stabilization electronics
- Wide-range input for operating voltage
- Electrical isolation between operating and control voltage
- Opto-isolated trigger input for flash operation mode
- Long operational life of the LED by temperature management
- Light casing from anodised aluminium with high deformation resistance
- Defined mounting drillings
- 1.5 m connection cable, strain-relieved, dragline-compatible, bend-resistant and oil-resistant
- Controller mounted on lighting or set off
- Luminous field without mechanical edge



Engineering drawing



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**NEW
2007**

Electrical models

Power flash and external power flash models

Flash operation mode / trigger level with flash duration from 1 to 100 μ s /

brightness setting analog with control voltage 0 - 10 VDC (switchable 1 ms - ∞) or manual using potentiometer

Options

Light colours	Extra light colours	mounted	external
RED	IR950	light field	light field
GREEN	AMBER	/PF	/EPF
BLUE	IR850		
WHITE			
IR880			

Diffuse area lights with rimless luminous field

vicolux® FDLRL06 power flash series luminous area 90 x 120 mm²

General technical data

	Controlled	High stabilised	Static	Power flash	Adaptiv
Operating voltage	see FDLRL06-x/C series	-	-	18 - 30 VDC	-
Homogeneity*	-	-	-	6.1%	-
Life expectancy	-	-	-	> 50.000 h	-
Ambient air temperature	-	-	-	-10 till +55°C	-
Degree of protection	-	-	-	IP60	-
Weight	-	-	-	570 g	-

Technical data

Name	Order No.	Nominal wavelenght	Luminance	Maximum power consumption
FDLRL06-R/PF	1-11-280	630 nm	95000 cd/m ²	15 W
FDLRL06-G/PF	1-11-282	525 nm	Auf Anfrage/On request	15 W
FDLRL06-B/PF	1-11-284	470 nm	Auf Anfrage/On request	15 W
FDLRL06-W/PF	1-11-286	x=0,32/y=0,31	89000 cd/m ²	15 W
FDLRL06-IR880/PF	1-11-290	880 nm	828 mW/cm ² sr	15 W
FDLRL06-IR950/PF	1-11-292	950 nm	Auf Anfrage/On request	15 W
FDLRL06-A/PF	1-11-294	617 nm	Auf Anfrage/On request	15 W
FDLRL06-IR850/PF	1-11-288	850 nm	1016 mW/cm ² sr	15 W
FDLRL06-R/EPF	1-11-281	630 nm	95000 cd/m ²	15 W
FDLRL06-G/EPF	1-11-283	525 nm	Auf Anfrage/On request	15 W
FDLRL06-B/EPF	1-11-285	470 nm	Auf Anfrage/On request	15 W
FDLRL06-W/EPF	1-11-287	x=0,32/y=0,31	89000 cd/m ²	15 W
FDLRL06-IR880/EPF	1-11-291	880 nm	828 mW/cm ² sr	15 W
FDLRL06-IR950/EPF	1-11-293	950 nm	Auf Anfrage/On request	15 W
FDLRL06-A/EPF	1-11-295	617 nm	Auf Anfrage/On request	15 W
FDLRL06-IR850/EPF	1-11-289	850 nm	1016 mW/cm ² sr	15 W

* of luminous density

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Details

Note for brightness control

- Manual with the potentiometer
- Analog with the control voltage 0 - 10 VDC (1 ms - ∞)

Note for pulsed operation

- Trigger input with L-H-edge

The following input levels are processed :

- U_T : 0 - 2 VDC (Lighting „OFF“) / 3 - 36 VDC (Lighting „ON“)

- Min. pulse length 1 μ s / Max. flash delay < 500 ns

Note for product designation

- PF ... 'power flash' model
- EPF ... 'external power flash' model (Controller set off from the lighting housing)

Notes

Product illustration EPF model

Controller set off from the lighting housing

