

## Dark field flash light DFL50FL - Technical data



- LED Dark field flash light for flash operation
- light field diameter 50 mm
- 60 high performance SMD LEDs
- external illumination controller FLC2 necessary
- integrated diffusor
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- adjustable flash times up to 220 µs
- different trigger modes
- robust industrial model, Aluminium casing, IP40
- drag chain cable

Model	Colour / Wavelength (nm)	Operating voltage UB (V)	Operating current I (A) / 24 V
DFL50FL-R	red / 630	observe controller FLC2-xxx	0,35
DLF50FL-W	white / x=0,30 y=0,31	observe controller FLC2-xxx	0,35

**630**  
x=0,30  
y=0,31

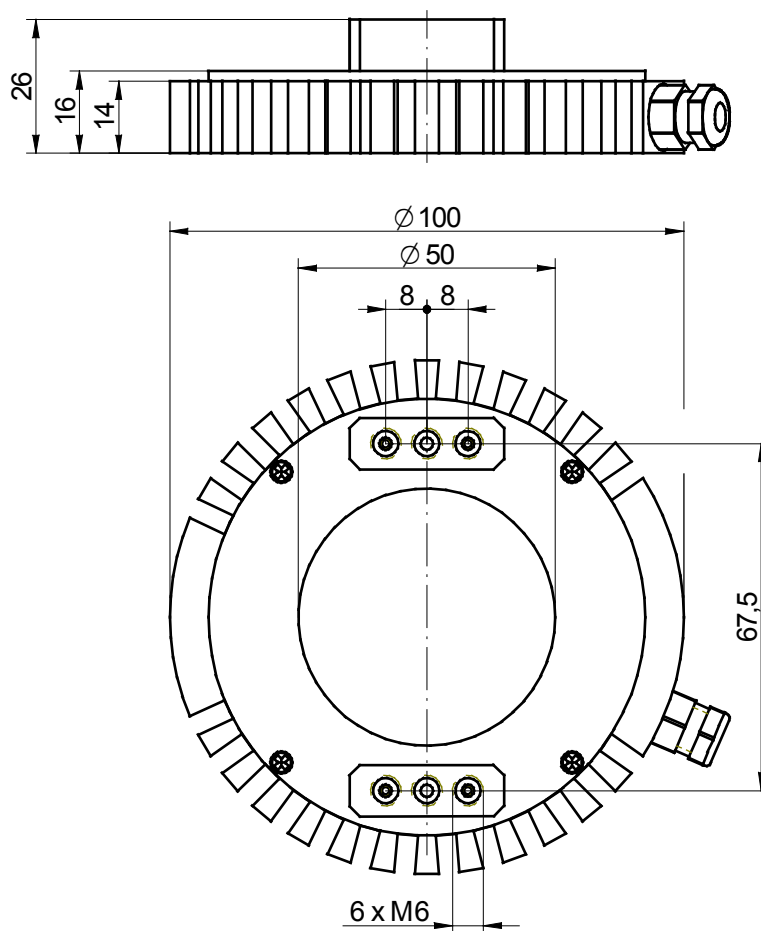
FLASH

**CONTROLLER INSIDE**

<b>Operation mode</b>	Flash	external controller FLC2-xxx necessary
<b>Trigger modes</b>	TTL / PLC	TTL: rising slope at trigger input , min. 2,8 V DC, max. 30 V DC PLC: rising slope at trigger input, min. 15 V DC, max. 30 V DC
<b>Flash times</b>	10 - 100 µs / 20 - 220 µs	adjustable with the potentiometer, max. flash frequency 100 Hz or 35 Hz
<b>Brightness regulation</b>	Potentiometer / VC	Potentiometer 0 - 100 % VC brightness regulation 0 - 10 % when connected to a voltage of 1 - 10 V DC on the VC analogue input
<b>Operation temperature</b>	0 - 45 °C / 32 - 113 °F	
<b>Weight</b>	0,25 kg	
<b>Protection class</b>	IP 40	
<b>Connection cable</b>	1,5 m	drag chain cable, bending radius at least 72 mm, Lumberg-9 pin-plug

Wiring	
observe data sheet controller FLC2-xxx	

## Dark field flash light DFL50FL - Technical drawing



# Dark field flash light DFL50FL - Order data

## Composition of the product name

Model	Diffusor	Illumination colour	Brightness regulation	Trigger	Flash time
SQ / CRC/...	ALK - incident light, clear screen ALD - incident light, diffused, satin screen ALF - incident light fresnel lens (f=100 mm) DL - transmitted light, highly diffused, white screen POL - polarisation filter	R - red IR - infrared W - white B - blue G - green UV - ultraviolet	VC - VC analogue input active free - Potentiometer active	PLC TTL	10...100 µs 20...220 µs

DFL50FL - integrated diffusor	
Product number	Product name
11.42.021	DFL50FL-R
11.42.022	DFL50FL-W
external illumination controller - model PLC2 necessary	