

Dark field light DFL50 - Technical data



- LED dark field light for continuous / pulse operation
- light field diameter 50 mm
- 60 high performance SMD LEDs
- integrated diffusor
- external illumination controller PLC2 necessary
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- robust industrial model, Aluminium casing, IP40
- drag chain cable

630
x=0,31 y=0,31
470
525



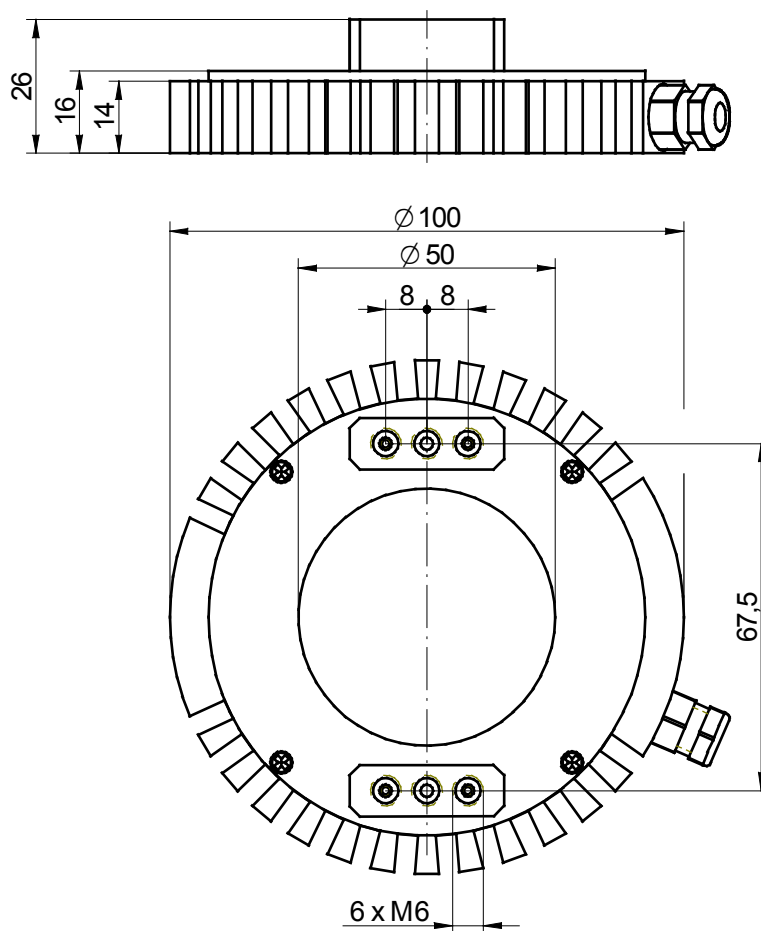
Model	Colour / Wavelength (nm)	Operating voltage UB (V)	Operating current I (A) / 24 V
DFL50-R	red / 630	observe controller PLC2	0,25
DFL50-W	white / x=0,31 y=0,31	observe controller PLC2	0,25
DFL50-B	blue / 470	observe controller PLC2	0,25
DFL50-G	green / 525	observe controller PLC2	0,25

Operation mode	continuous / pulse	external controller PLC2 necessary Switching works over the operation voltage or VC analogue input with up to 30 V DC
Brightness regulation	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
Operation temperature	0 - 45 °C / 32 - 113 °F	
Weight	0,25 kg	
Protection class	IP 40	
Connection cable	1,5 m	drag chain cable, bending radius at least 72 mm, Lumberg-6 pin-plug

Wiring

observe the data sheet controller PLC2

Dark field light DFL50 - Technical drawing



Dark field light DFL50 - 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

DFL50 - integrated diffusor	
Product number	Product name
11.42.001	DFL50-R
11.42.002	DFL50-W
11.42.003	DFL50-B
11.42.004	DFL50-G
external illumination controller - model PLC2 necessary	