

Dome flash light CD50FL - Technical data

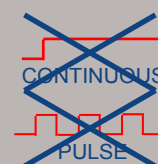


- LED Dome light for flash operation
- light field diameter 50 mm
- 78 high performance SMD LEDs
- applicable as a very homogeneous incident illumination
- external illumination controller FLC2 necessary
- brightness can be regulated internally (potentiometer) or externally with a VC analogue input
- 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
DOM CD50FL-R	red / 630	observe controller FLC2-xxx	0,3
DOM CD50FL-W	white / x=0,30 y=0,31	observe controller FLC2-xxx	0,3

630

x=0,30
y=0,31

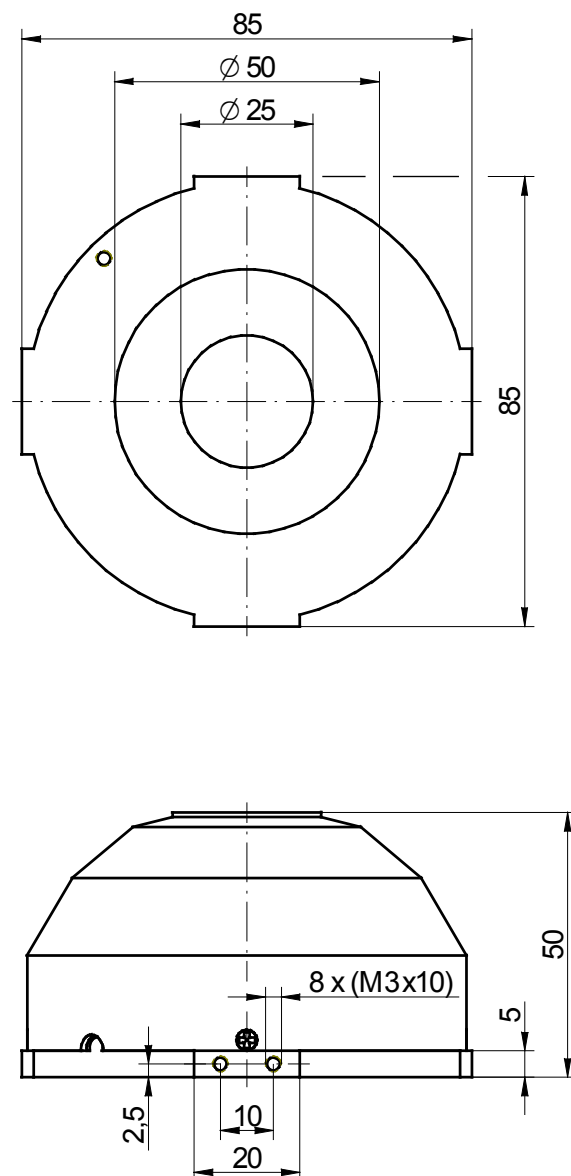


Operation mode	Flash	external controller FLC2-xxx necessary
Trigger modes	TTL / PLC	TTL: rising slope at trigger input, min. 2,8 V DC, max. 30 V DC PLC: rising slope at trigger input, min. 15 V DC, max. 30 V DC
Flash times	10 - 100 µs / 20 - 220 µs	adjustable with the potentiometer, max. flash frequency 100 Hz or 35 Hz
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	0,2 kg	
Protection class	IP 40	
Connection cable	1,5 m	drag chain cable, bending radius at least 72 mm, Lumberg-8 pin-plug

Wiring

observe the data sheet controller FLC2-xxx

Dome flash light CD50FL - Technical drawing



Dome flash light CD50FL - Order data

Composition of the product name

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

DOM CD50FL	
Product number	Product name
11.61.021	DOM CD50FL-R
11.61.022	DOM CD50FL-W
external illumination controller - model FLC2 necessary	