

## Dome light CD50 - Technical data



- LED Dome light for continuous / pulse operation
- light field diameter 50 mm
- 78 high performance SMD LEDs
- applicable as a very homogeneous incident illumination
- 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

| Model      | Colour / Wavelength (nm) | Operating voltage UB (V) | Operating current I (A) / 24 V |
|------------|--------------------------|--------------------------|--------------------------------|
| DOM CD50-R | red / 630                | observe controller PLC2  | 0,3                            |
| DOM CD50-W | white / x=0,30 y=0,31    | observe controller PLC2  | 0,3                            |
| DOM CD50-B | blue / 470               | observe controller PLC2  | 0,3                            |
| DOM CD50-G | green / 525              | observe controller PLC2  | 0,3                            |

630  
 x=0,30  
 y=0,31  
 470  
 525

CONTINUOUS

PULSE

FLASH

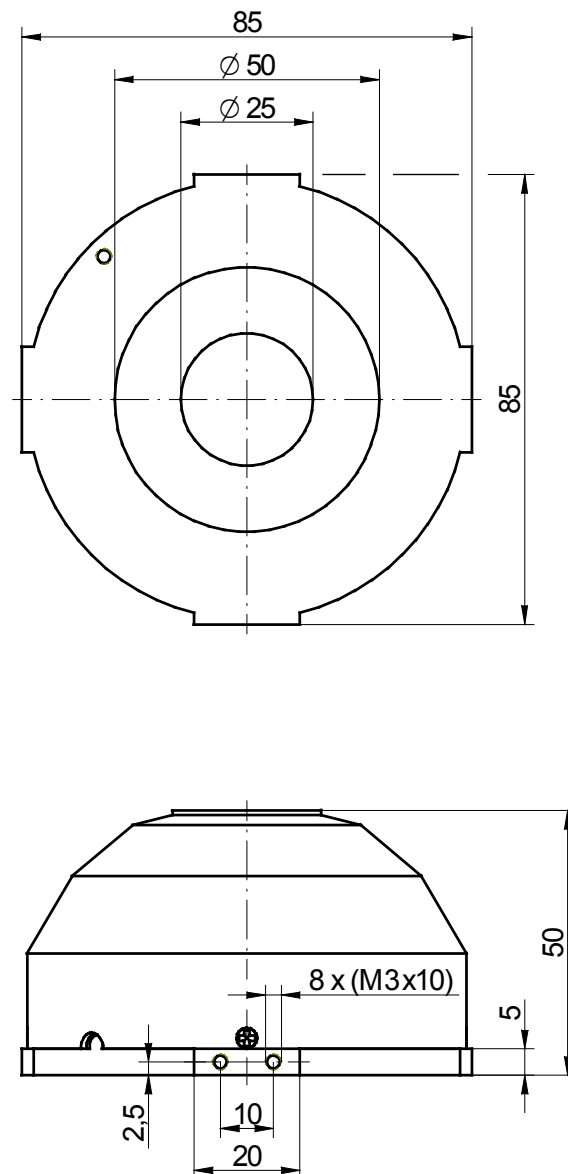
CONTROLLER  
 INSIDE

|                       |                         |                                                                                                                                  |
|-----------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Operation mode        | continuous / pulse      | external controller PLC2 necessary<br>Switching works over the operation voltage or VC analogue input with up to 30 V DC         |
| Brightness regulation | Potentiometer / VC      | Potentiometer 0 - 100 %<br>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-6 pin-plug                                                              |

### Wiring

observe the data sheet controller PLC2

## Dome light CD50 - Technical drawing



# Dome light CD50 - 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 CD50                                                |              |
|---------------------------------------------------------|--------------|
| Product number                                          | Product name |
| 11.61.001                                               | DOM CD50-R   |
| 11.61.002                                               | DOM CD50-W   |
| 11.61.003                                               | DOM CD50-B   |
| 11.61.004                                               | DOM CD50-G   |
| external illumination controller - model PLC2 necessary |              |