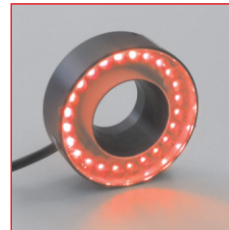


## RONDO-S

## Ring light

- >> extremely versatile
- >> compact housing
- >> well-priced design
- >> easy mounting directly on the lens
- >> for continuous, switched and pulsed operation  
(depending on type)



RONDO-S red



RONDO-S

### Technical specifications



|   |   |
|---|---|
| Housing                                   | Aluminium, black or natural anodised  |
| Filterthread-connection                   | M27 x 0,5   |
| Front cover (within the scope of supply)* | Acrylic clear, antireflective coating 2mm resp. clear, 3mm (for UV versions)  |
| Total weight                              | approx. 50g   |
| Operating / ambient temperature           | max. 50°C recommended   |
| IP protection class                       | depending on the version  |
| Connector                                 | M8 plug (4-pin) on pigtail 10cm **  |
| Supply voltage***                         | <b>24VDC type or 12VDC type:</b> 24VDC resp. 12VDC<br><b>SC type:</b> For use in conjunction with a controller  |
| Number of LEDs                            | 24  |
| LED lifetime                              | The LED lifetime of our lights is very high, but depends on many different factors such as ambient temperature, current load, and so on. Further information is available in the <b>Technical information LED lifetime.</b> |

\* more information and further front covers see section Accessories

\*\* Cable not included in the scope of supply

\*\*\* more information see section Operating modes

### Characteristics

| Colour * | LED characteristics  |               | typical characteristics per light                                   |                                       |                                    |      |
|----------|----------------------|---------------|---|---------------------------------------|------------------------------------|------|
|          | Wavelength (approx.) | Viewing angle | Current demand (24V type) ** / constant current max. (SC type) [mA] | Pulse current max. (SC type) *** [mA] | Intensity **** [W/m <sup>2</sup> ] |      |
|          |                      |               |   |                                       | Standard                           | Tele |
| red      | 623nm                | 50°           | 40  |                                       | 4                                  |      |
| white    | 6500K                | 45°           | 75  |                                       | 17                                 |      |
| IR       | 880nm                | 40°           | 65  |                                       | 5                                  |      |
| UV       | 365nm                | 110°          | 70  | 450                                   | 0,4                                |      |
| UV       | 365nm                | 10°           | 70  | 450                                   |                                    |      |

\* other colours and types from UV to infrared on request

\*\* stated current values of the 24V types should be considered approximate values

\*\*\* depending on the strobe conditions, recommended maximum values for a flash time of 1ms

\*\*\*\* approximately data measured in DC mode; Measuring distance 150mm



#### Safety note!

LED light systems can produce very intense radiation, which may possibly damage the eyes on improper use. Do not look directly into the light beam with unprotected eyes! Use eye protection!

### Operating modes

#### 24VDC type / 12VDC type

The lights are designed depending on the version for continuous operation at 24VDC or 12VDC.

The following operating modes are possible:

- DC operation at an appropriate power supply with 24VDC or 12VDC
- Switched operation with a matching power supply e.g. via PLC, opto-relay or controller (GS or SC series)
- Brightness-controlled operation via controller (GS or SC series) in conjunction with suitable power supply
- Pulsed mode via controller (GS or SC series) in conjunction with suitable power supply. The LED current can be increased in pulse mode up to a factor of 2 to 3.

#### SC type

For pulsed, switched or brightness-controlled operation, the lights are also available as optimized SC versions. They can be used in combination with our controllers of the GS and SC series and provide optimized and maximum current flow, especially in pulsed operation. We will assist you in selecting the right components.

technical changes reserved

#### Büchner Lichtsysteme GmbH

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86465 Welden  
Germany

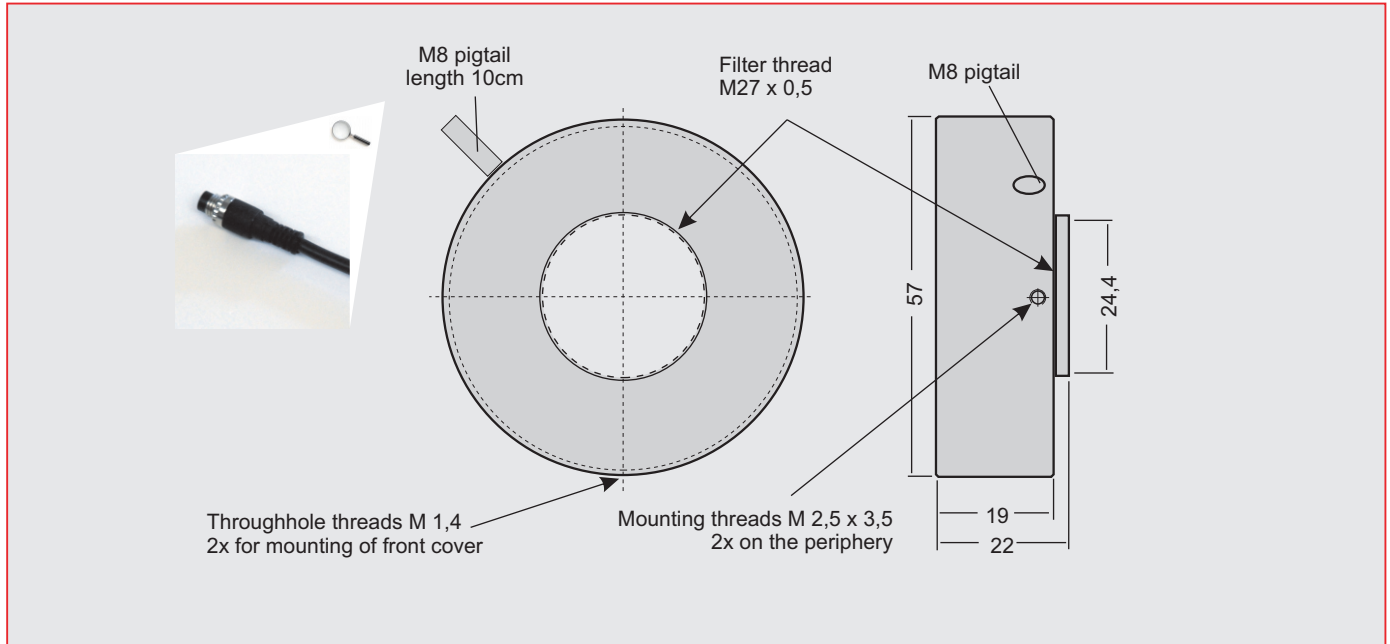
Tel.: +49 (0)8293 | 909 112  
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Web: www.buechner-lichtsysteme.de

www.imaging-light-technology.com

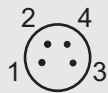
●●● IMAGING ● LIGHT ● TECHNOLOGY  
**BÜCHNER**

### Dimensions



### PIN assignment connector

M8 plug 4-pin  
(Front view on pigtail)



24VDC type

| PIN | Colour | Function |
|-----|--------|----------|
| 1   | brown  | + 24V    |
| 3   | blue   | -        |

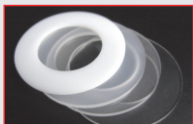
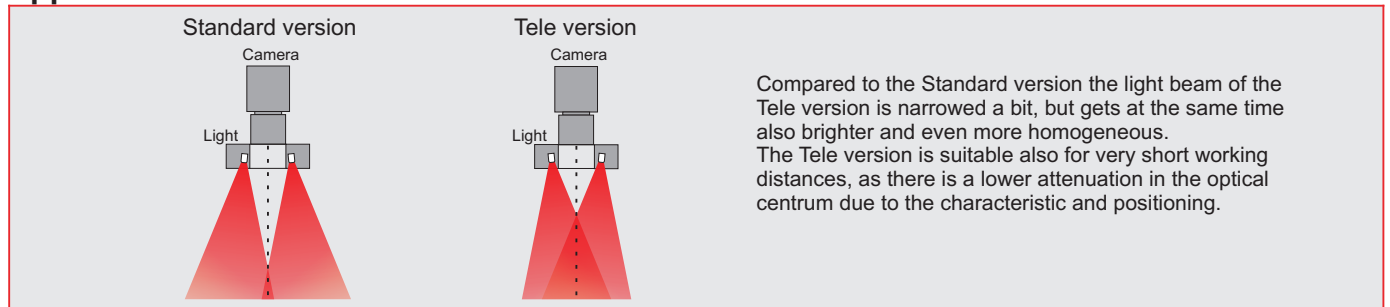
12VDC type

| PIN | Colour | Function |
|-----|--------|----------|
| 2   | white  | + 12V    |
| 3   | blue   | -        |

SC type

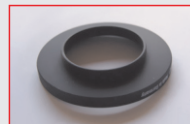
| PIN | Colour | Function |
|-----|--------|----------|
| 4   | black  | +        |
| 3   | blue   | -        |

### Application notes



#### Front covers / diffusers

Through the use of different diffuse front covers, the optical characteristics of the illumination can be changed. More information can be found in the **Technical information Front materials**.



#### Adapter rings

for the coupling of the connection thread M27x0,5 of the RONDO-S to other threads.

Order numbers on request.