



**210525**  
**MB-RGBW-480-K-B5**  
**Machine lighting with signal lighting element**

- High light intensity thanks to state-of-the art Power LEDs
- Easy operation is also possible without IO-Link
- Very good color reproduction guarantees safety at the workplace (color rendering index 85)
- Large light field for optimal display of the machine status
- Freely configurable functions via IO-Link
- Long life thanks to intelligent thermal management
- High-performance LEDs with very high light intensity ensure reliable and even illumination
- Can be used immediately thanks to three color pre-sets: red - green - yellow
- High protection type IP 67
- Pluggable diffusion filter optionally available



1) Illuminated area  
 2) Lighting element (RGB)  
 3) Lighting element (white)

BK: black  
 BN: brown  
 BU: blue  
 GY: grey  
 WH: white

Pre-Sets/Factory settings			
TRIG 1	TRIG 2	TRIG 3	Farbe/Color
Lo	Lo		RGB: aus/off
Hi	Lo		RGB: rot/red
Lo	Hi		RGB: grün/green
Hi	Hi		RGB: gelb/yellow
		Lo	WH: aus/off
		Hi	WH: ein/on

Function									

Technical data (typ.)	+20°C, 24 V DC
Service voltage	24 V DC (± 5%, Supply Class 2)
Internal power consumption	650 mA (24 V DC)
Power	< 15.6 W (24 V DC)
Inverse polarity protection	Yes
Cascadable	Not cascadable
Illuminated area	440 x 30 mm
Housing material	Aluminum (Black, Anodized)
Material	PU, crystal clear (Window)
Weight	390 g
Protection class	III, operation on protective low voltage
Risk group (DIN EN 62471)	Free group
Approvals	UL
Model	Machine lighting with signal lighting element
Product series	MB-RGBW
Operation modes	RGB: constant, blinking, flashing
Light intensity can be adjusted	RGB, 10 to 100 %, via IO-Link
Trigger input high level	> 8.0 V
Trigger input low level	< 5.0 V
Trigger input	3 color presets: selectable via trigger 1 + 2 (White: selectable via trigger 3)
Interface	<ul style="list-style-type: none"> <li>■ IO-Link (V1.1, COM2 38.4 kBd, 2300 µs)</li> <li>■ for parameterization (process data)</li> </ul>
Light source	LED
Color	White (5 000 K), RGB (user-defined)

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<b>Technical data (typ.)</b>	<b>+20°C, 24 V DC</b>
Deflection angle FWHM	120°
Luminous flux	1100 lm
Light intensity	■ 1.80 kLx (500.0 mm / 100 %) ■ 0.530 kLx (1000.0 mm / 100 %)
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation	0 ... +40 °C
Protection type	IP 67
Connection	Pigtail, 0.3 m, M12, 5-pin
Connection cable	VK ... /5
<b>More information / accessories</b>	<b><a href="https://www.di-soric.com/210525">https://www.di-soric.com/210525</a></b>