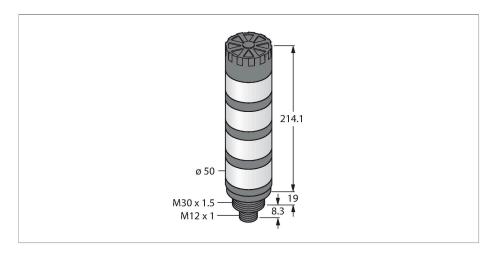


# TL50BWORAQ LED Indicator – Tower Light





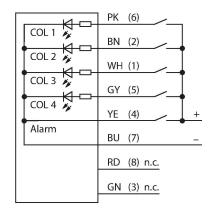
Signal and display data Purpose  LED indicator light  Function  Tower light  Light type  Blue White Orange Red  Dimmable  No  Acoustic signal  Continuous tone, 92 dB  Electrical data Operating voltage  DC rated operational current  Operating voltage  1830 VDC  DC rated operational current  S 45 mA  Operating voltage  2127 VAC  Input type  PNP  Response time typical  Mechanical data  Cascadable  No  Design  Cylinder, threaded, TL50  Dimensions  Ø 50 x 214.1 mm  Housing material  Plastic, ABS  Window material  Plastic, diffuse  Electrical connection  Connector, M12 x 1  Ambient temperature  -20+50 °C  Protection class  IP50  Tests/approvals  Approvals  CE. UL listed	Туре	TL50BWORAQ
Purpose LED indicator light  Function Tower light  Light type Blue White Orange Red  Dimmable No  Acoustic signal Continuous tone, 92 dB  Electrical data  Operating voltage 1830 VDC  DC rated operational current ≤ 45 mA  Operating voltage 2127 VAC  Input type PNP  Response time typical < 10 ms  Mechanical data  Cascadable No  Design Cylinder, threaded, TL50  Dimensions Ø 50 x 214.1 mm  Housing material Plastic, ABS  Window material Plastic, diffuse  Electrical connection Connector, M12 × 1  Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	ID	3802204
Function  Light type  Blue White Orange Red  Dimmable  No  Acoustic signal  Continuous tone, 92 dB  Electrical data Operating voltage  Dimy type  PNP  Response time typical  Cascadable  No  Design  Cylinder, threaded, TL50  Dimensions  Mound Tuber (ABS)  Window material  Electrical class  Electrical connection  Connector, M12 × 1  Ambient temperature  -20+50 °C  Protection class  Ip50  Tests/approvals	Signal and display data	
Light type  Blue White Orange Red  Dimmable  No  Acoustic signal  Continuous tone, 92 dB  Electrical data Operating voltage  1830 VDC  DC rated operational current  Operating voltage  2127 VAC  Input type  PNP  Response time typical  Cascadable  No  Design  Cylinder, threaded, TL50  Dimensions  Ø 50 x 214.1 mm  Housing material  Plastic, ABS  Window material  Plastic, diffuse  Electrical connection  Connector, M12 × 1  Ambient temperature  -20+50 °C  Protection class  IP50  Tests/approvals	Purpose	LED indicator light
White Orange Red  Dimmable No  Acoustic signal Continuous tone, 92 dB  Electrical data Operating voltage 1830 VDC  DC rated operational current ≤ 45 mA  Operating voltage 2127 VAC  Input type PNP  Response time typical < 10 ms  Mechanical data  Cascadable No  Design Cylinder, threaded, TL50  Dimensions Ø 50 x 214.1 mm  Housing material Plastic, ABS  Window material Plastic, diffuse  Electrical connection Connector, M12 × 1  Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	Function	Tower light
Acoustic signal  Electrical data  Operating voltage  DC rated operational current  ≤ 45 mA  Operating voltage  Input type  PNP  Response time typical  Cascadable  Design  Cylinder, threaded, TL50  Dimensions  Mosumaterial  Plastic, ABS  Window material  Plastic, diffuse  Electrical connection  Connector, M12 × 1  Ambient temperature  Pocation  Pocation  Pocation  Continuous tone, 92 dB  Electrical data  Cascad VDC  VDC  Protection class  Connector, 92 dB  Electrical connection  Conscience  Plastic, 45 mA  Continuous tone, 92 dB  Electrical cone  Substitute  PNP  PNP  Response time typical  Columbia  Cylinder, threaded, TL50  Dimensions  Ø 50 x 214.1 mm  Plastic, ABS  Window material  Plastic, diffuse  Electrical connection  Connector, M12 × 1  Ambient temperature  -20+50 °C  Protection class  IP50	Light type	White Orange
Electrical data  Operating voltage 1830 VDC  DC rated operational current ≤ 45 mA  Operating voltage 2127 VAC  Input type PNP  Response time typical <10 ms  Mechanical data  Cascadable No  Design Cylinder, threaded, TL50  Dimensions Ø 50 x 214.1 mm  Housing material Plastic, ABS  Window material Plastic, diffuse  Electrical connection Connector, M12 × 1  Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	Dimmable	No
Operating voltage       1830 VDC         DC rated operational current       ≤ 45 mA         Operating voltage       2127 VAC         Input type       PNP         Response time typical       < 10 ms	Acoustic signal	Continuous tone, 92 dB
DC rated operational current  Operating voltage  2127 VAC  Input type  PNP  Response time typical  Mechanical data  Cascadable  No  Design  Cylinder, threaded, TL50  Dimensions  Ø 50 x 214.1 mm  Housing material  Plastic, ABS  Window material  Plastic, diffuse  Electrical connection  Connector, M12 × 1  Ambient temperature  -20+50 °C  Protection class  IP50  Tests/approvals	Electrical data	
Operating voltage  Input type  PNP  Response time typical  Cascadable  No  Design  Cylinder, threaded, TL50  Dimensions  Ø 50 x 214.1 mm  Housing material  Plastic, ABS  Window material  Plastic, diffuse  Electrical connection  Connector, M12 × 1  Ambient temperature  -20+50 °C  Protection class  IP50  Tests/approvals	Operating voltage	1830 VDC
Input type PNP  Response time typical < 10 ms  Mechanical data  Cascadable No  Design Cylinder, threaded, TL50  Dimensions Ø 50 x 214.1 mm  Housing material Plastic, ABS  Window material Plastic, diffuse  Electrical connection Connector, M12 × 1  Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	DC rated operational current	≤ 45 mA
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Dimensions Ø 50 x 214.1 mm  Housing material Plastic, ABS  Window material Plastic, diffuse  Electrical connection Connector, M12 × 1  Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	Cascadable	No
Housing material Plastic, ABS  Window material Plastic, diffuse  Electrical connection Connector, M12 × 1  Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	Design	Cylinder, threaded, TL50
Window material Plastic, diffuse  Electrical connection Connector, M12 × 1  Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	Dimensions	Ø 50 x 214.1 mm
Electrical connection  Connector, M12 × 1  Ambient temperature  -20+50 °C  Protection class  IP50  Tests/approvals	Housing material	Plastic, ABS
Ambient temperature -20+50 °C  Protection class IP50  Tests/approvals	Window material	Plastic, diffuse
Protection class IP50 Tests/approvals	Electrical connection	Connector, M12 × 1
Tests/approvals	Ambient temperature	-20+50 °C
	Protection class	IP50
Approvals CE, UL listed	Tests/approvals	
F.F	Approvals	CE, UL listed



#### **Features**

- ■Plastic housing, black
- ■EMI and RFI immune
- ■Protection class IP50
- ■M12 x 1 male
- Colors: Blue (COL 1) / White (COL 2) / Orange (COL 3) / Red (COL 4)
- Operating voltage: 18...30 VDC or 24 VAC
- with 45 mA per LED color
- ■Inputs: PNP/NPN
- ■Beeper max. 92 dB

### Wiring diagram



#### Functional principle

The TL50 tower lights provide highly visible status indicators and a clear user guidance within the entire system. They can be assembled from varicolored LEDs and are available with or without beeper. You can mount them directly on machines, in the cabinet or in monitoring locations of production lines.

The wiring diagram shows a PNP pin assignment.

There are 10 colors available blue (B), green (G), red (R), yellow (Y), white (W), turquoise

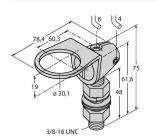
(T), orange (O), violet (V), sky blue (S) and magenta (M), which specify the light sequence from bottom to top in the type code of the tower light. Example: TL50GYRQ, colors green, yellow and red arranged from buttom to top.

## Accessories

SMB30A 3032723

Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread





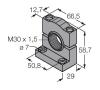
SMB30FA

Montagewinkel; Werkstoff VA 1.4401

3074005

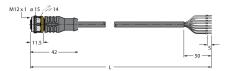
SMB30SC 3052521

Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



# Accessories

Dimension drawing	Туре	ID
	RKC8T-2/TEL	6625130



Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval