

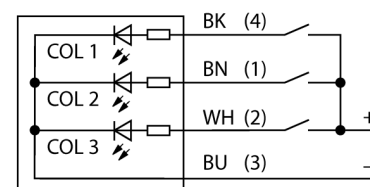
LED Signal Light Tower Light TL50BLGYRALS3QP

Type	TL50BLGYRALS3QP
ID	3030803
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	Green Yellow Red
Dimmable	No
Features of color 1	Green, Permanently on, 52 lm
Features of color 2	Yellow, Permanently on, 15 lm
Features of color 3	Red, Permanently on, 24 lm
Acoustic signal	Pulsed, 94dB
Electrical data	
Operating voltage U_o	12...30 VDC
DC rated operating current I_o	≤ 125 mA
Operating voltage U_a	21...27VAC
AC rated operational current	≤ 100 mA
Max. current consumption per color	125 mA
Max. current consumption of beeper	35 mA
Input type	Bipolar (PNP/NPN)
Response time typical	< 1 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50BL
Dimensions	Ø 50 x 170.8 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, clear
Electrical connection	Cable with connector, M12 × 1, 0.15 m, PVC
Number of cores	5
Ambient temperature	-20...+50 °C
Relative humidity	0...95%
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed



- Black plastic housing
- Protection class IP67
- EMI and RFI immune
- Multicolor: Green (COL 1) / Yellow (COL 2) / Red (COL 3)
- Operating voltage: 12...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN
- Beeper: Sealed, pulsed tone max. 94 dB

Wiring Diagram



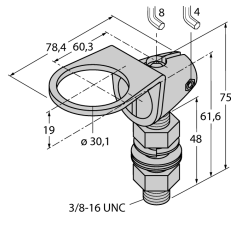
Functional principle

The rugged multifunction TL50 beacon is available in many variations and is easily mounted. Each signal tower can be assembled from a maximum of four varicolored LEDs, with or without a beeper. You can also choose from three different lighting functions (steady, rotating, flashing). The lighting function is indicated in the type code after the color (no number: steady; 1: rotating; 2: flashing). Clearly visible status displays for indoor and outdoor applications.

The wiring diagram shows a PNP pin assignment.

5 colors are available, blue (B), green (G), red (R), yellow (Y) and white (W), which specify the light sequence from bottom to top in the type designation of the tower light. Example: TL50GYRQ, designates the colors green, yellow and red from bottom to top.

Accessories

Type code	Ident no.		Dimension drawing
SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread	 Technical drawing of the SMB30A mounting bracket. It is a rectangular stainless steel bracket for sensors with a 30mm thread. Dimensions include: overall width 45mm, mounting hole diameter $\varnothing 30,5$, bracket width 6,3mm, hole diameter $\varnothing 6,3$, mounting hole offset 38,5mm, bracket thickness 6,1mm, base width 69mm, and a 7,5mm offset from the base to the mounting hole. A radius of R 40 is indicated at the bottom corner.
SMB30FA	3074005	Montagewinkel; Werkstoff VA 1.4401	 Technical drawing of the SMB30FA mounting angle. It is a 90-degree angle bracket made of VA 1.4401 material. Dimensions include: overall width 78,4mm, mounting hole diameter $\varnothing 30,1$, hole offset 19mm, and a 1mm gap. The vertical leg has a total height of 75mm, with a 61,6mm section and a 48mm section. The horizontal leg has a thickness of 8mm and a 4mm offset. The mounting thread is specified as 3/8-16 UNC.
SMB30SC	3052521	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable	 Technical drawing of the SMB30SC mounting bracket. It is a black PBT rotatable bracket for sensors with a 30mm thread. Dimensions include: overall width 66,5mm, mounting hole diameter $\varnothing 30$, hole offset 12,7mm, bracket thickness 1,5mm, base width 50,8mm, and a 29mm offset from the base to the mounting hole. The mounting thread is specified as M30 x 1,5.