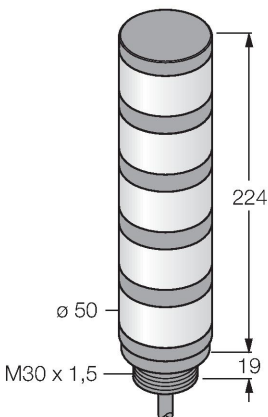


TL50WBGYR

LED Signal Light – Tower Light



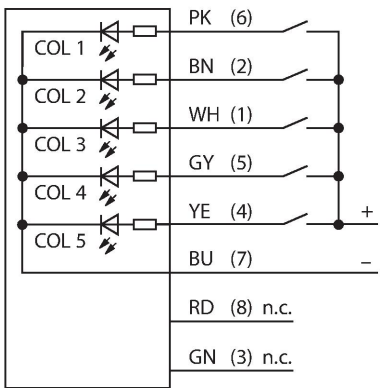
Technical data

Type	TL50WBGYR
ID	3083225
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	White Blue Green Yellow Red
Dimmable	No
Features of color 1	White, Permanently on, 21 lm
Features of color 2	Blue, Permanently on, 4.5 lm
Features of color 3	Green, Permanently on, 23 lm
Features of color 4	Yellow, Permanently on, 5 lm
Features of color 5	Red, Permanently on, 7.5 lm
Electrical data	
Operating voltage U_B	18...30 VDC
DC rated operating current I_o	≤ 45 mA
Operating voltage U_B	21...27 VAC
AC rated operational current	≤ 45 mA
Max. current consumption per color	45 mA
Input type	Bipolar (PNP/NPN)
Response time typical	< 10 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50
Dimensions	Ø 50 x 242.9 mm

Features

- Black plastic housing
- EMI and RFI immune
- Protection class IP67
- Cable 2 m
- Multicolor: White (COL 1) / Blue (COL 2) / Green (COL 3) / Yellow (COL 4) / Red (COL 5)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

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 bottom to top.

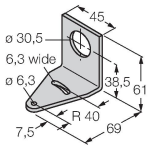
Technical data

Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Cable, 2 m, PVC
Number of cores	8
Ambient temperature	-40...+50 °C
Relative humidity	0...95 %
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed

Accessories

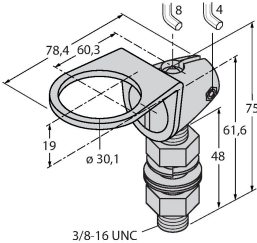
SMB30A3032723

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: top width 45, top hole diameter 30.5, top hole offset 6.3, bottom hole diameter 6.3, bottom hole offset 33.5, bottom width 69, bottom hole offset 7.5, and a radius R 40.

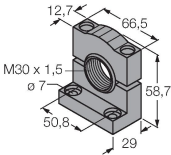
SMB30FA3074005

Montagewinkel; Werkstoff VA 1.4401

Technical drawing of the SMB30FA mounting bracket. It is a 90-degree mounting angle made of VA 1.4401 material. Dimensions include: top width 78.4, top hole diameter 60.3, top hole offset 19, bottom hole diameter 30.1, bottom hole offset 48, bottom width 61.6, and a 3/8-16 UNC thread.

SMB30SC3052521

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

Technical drawing of the SMB30SC mounting bracket. It is a rotatable mounting bracket made of black PBT for sensors with a 30 mm thread. Dimensions include: top width 12.7, top hole diameter 66.5, top hole offset 58.7, bottom hole diameter 50.8, bottom hole offset 29, and a 3/8-16 UNC thread.