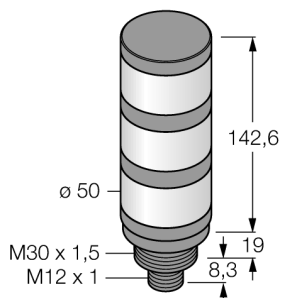


LED Signal Light

High-intensity Tower Light

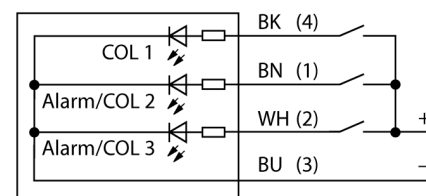
TL50HBWYQ



Type	TL50HBWYQ
ID	3094023
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	Blue White Yellow
Dimmable	No
Features of color 1	Blue, Permanently on, 23 lm
Features of color 2	White, Permanently on, 50 lm
Features of color 3	Yellow, Permanently on, 23 lm
Electrical data	
Operating voltage U_s	18...30 VDC
DC rated operating current I_s	≤ 100 mA
Operating voltage U_s	21...27VAC
AC rated operational current	≤ 100 mA
Max. current consumption per color	100 mA
Input type	Bipolar (PNP/NPN)
Response time typical	< 10 ms
Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50H
Dimensions	Ø 50 x 169.9 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-40...+50 °C
Relative humidity	0...95%
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- Male M12 x 1
- Colors: Blue (COL 1) / White (COL 2) / Yellow (COL 3)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

Wiring Diagram



Functional principle

The TL50H tower lights, in the high-brightness version, provide highly visible status indicators and a clear user guidance within the entire system. They can be assembled from vari-colored 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 5 colors available, blue (B), green (G), red (R), yellow (Y) and white (W), 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.

Accessories

Type code	Ident no.		Dimension drawing
SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread	
SMB30FA	3074005	Montagewinkel; Werkstoff VA 1.4401	
SMB30SC	3052521	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable	