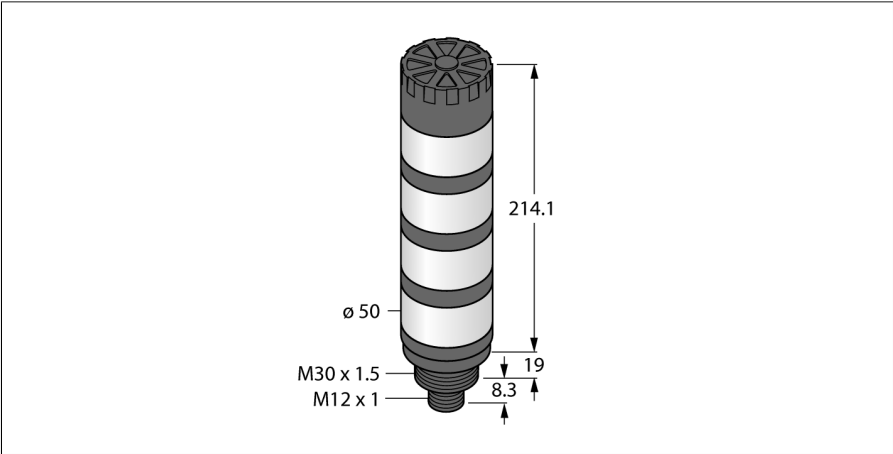


LED Signal Light
Tower Light
TL50WGYRAKQ



Type	TL50WGYRAKQ
ID	3803723
Signal and display data	
Purpose	LED indicator light
Function	Tower light
Light type	White Green Yellow Red
Dimmable	No
Features of color 1	White, Programmable, 36 lm
Features of color 2	Green, Can be set via IO-Link, 31 lm
Features of color 3	Yellow, Can be set via IO-Link, 32 lm
Features of color 4	Red, Can be set via IO-Link, 13 lm
Acoustic signal	Continuous tone, 92dB
Electrical data	
Operating voltage U _s	18...30 VDC
DC rated operating current I _a	≤ 45 mA
Operating voltage U _a	21...27VAC
Max. current consumption per color	70 mA
Max. current consumption of beeper	50 mA
Communication protocol	IO-Link
Input type	Communication protocol
Response time typical	< 10 ms
IO-Link	
IO-Link specification	V 1.1
Communication mode	COM 2 (38.4 kBaud)
Process data width	16 bit
Frame type	Type_2_2
Function pin 4	IO-Link
Maximum cable length	20 m
Included in the SIDI GSDML	Yes

- Plastic housing, black
- EMI and RFI immune
- Protection class IP50
- M12 x 1 male
- Colors: White (COL 1) / Green (COL 2) / Yellow (COL 3) / Red (COL 4)
- Parameterizable via IO-Link
- Beeper max. 92 dB

Wiring Diagram

	3 BU	-
	1 BN	+
	4 BK	IO-Link
	2 WH	n.c.

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.

Mechanical data	
Cascadable	No
Design	Smooth barrel, TL50
Dimensions	Ø 50 x 241.5 mm
Housing material	Plastic, ABS, Black
Window material	Polycarbonate, diffuse
Electrical connection	Connector, M12 × 1, PVC
Number of cores	4
Ambient temperature	-20...+50 °C
Relative humidity	0...95%
Protection class	IP50
Tests/approvals	
Approvals	CE, UL listed

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	