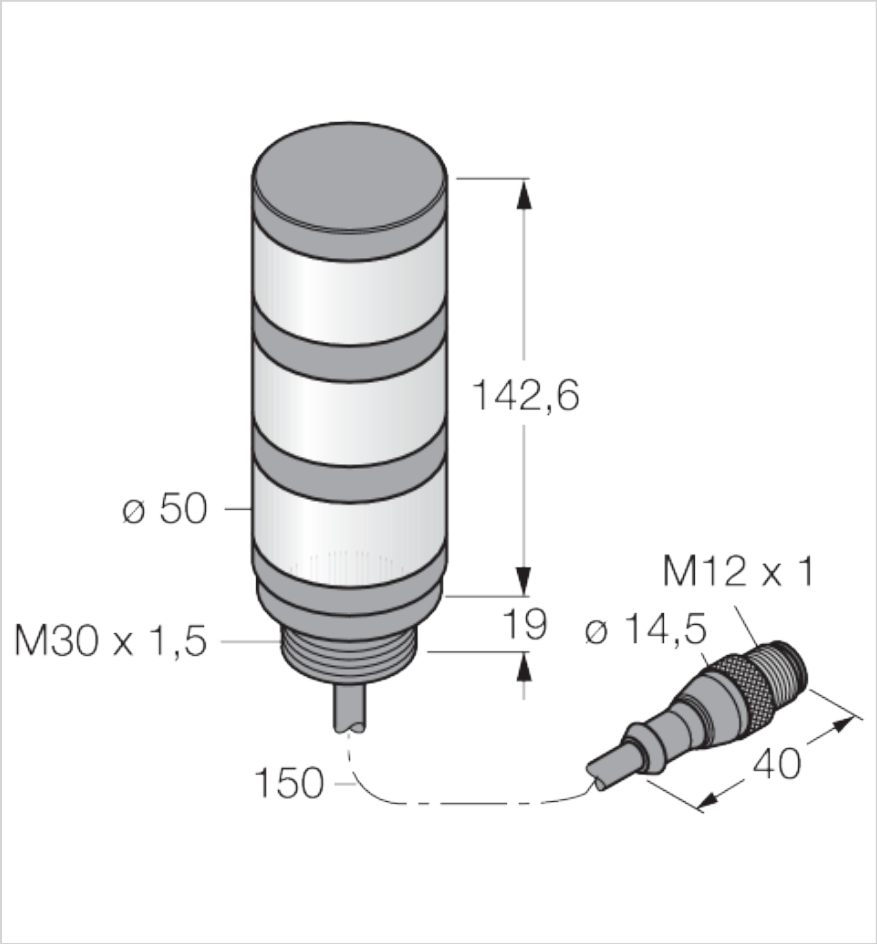


TL50YGRQP

LED signal light
Tower light



Type designation	TL50YGRQP
Ident-No.	3085361

Technical data

General data	
Purpose	LED indicator light
Signal and Display Data	
Features of color 1	Yellow, Permanently on, 5 lm
Features of color 2	Green, Permanently on, 23 lm
Features of color 3	Red, Permanently on, 7,5 lm
Number of colors/segments	3
Power supply	

Features

- Plastic housing, black
- Protection against electromagnetic and high-frequency interference
- Protection class IP67
- Cable with male end M12 x 1, 150 mm
- Colors: Yellow (COL 1) / Green (COL 2) / Red (COL 3)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

Technical data

Operating voltage U_B	21...27 VAC
Operating voltage U_B	18...30 VDC
Electrical data	
AC rated operational current	≤ 45 mA
Output function	4-wire
DC rated operational current	≤ 45 mA
Max. current consumption per color	45 mA
Response time typical	<10 ms
Inputs	
Input type	Bipolar (PNP/NPN)
Mechanical data	
Design	Smooth barrel
Construction type designation	TL50
	$\varnothing 50$ mm
Dimensions	161,5 mm
Housing material	Plastic, ABS, Black
Electrical connection	Cable with connector, M12 x 1
Cascadable	No
Window material	Polycarbonate, diffuse
Cable	
Cable length	0,15 m
Core cross-section	4
Cable Jacket Material	PVC
Ambient conditions	
Ambient temperature	-40...+50 °C
Relative humidity	0...95 %
Protection class	IP67
Tests/approvals	
Approvals	CE, UL listed
Displays/controls	
Dimmable	No

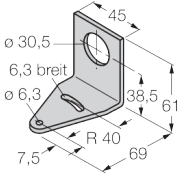
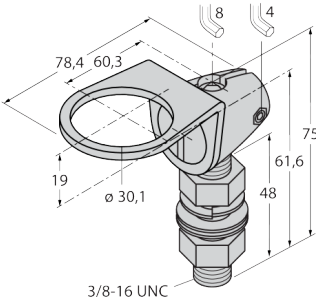
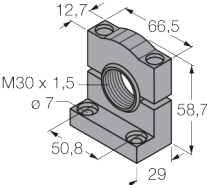
Functional principle

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 locations to be monitored within the 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), purple (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 designates the colors green, yellow and red from bottom to top.

Mounting accessories

SMB30A	3032723	Mounting bracket, rectangular, stainless steel, for sensors with 30-mm thread	SMB30FA	3074005	Mounting bracket; material VA 1.4401
					
SMB30SC	3052521	Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable			
					

Connection accessories

RKC4.4T-2/TEL	6625013	Connection cable, M12 female connector, straight, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
		
WKC4.4T-2/TEL	6625025	Connection cable, M12 female connector, angled, 4-pin, cable length: 2 m, jacket material: PVC, black; cULus approval
