

TL50GBYRAOSQ  
LED Signal Light – Tower Light



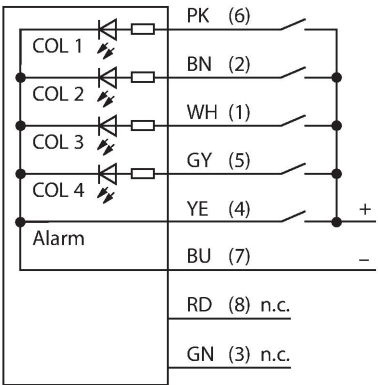
Technical data

|                                    |                                |
|------------------------------------|--------------------------------|
| Type                               | TL50GBYRAOSQ                   |
| ID                                 | 3088673                        |
| Signal and display data            |                                |
| Purpose                            | LED indicator light            |
| Function                           | Tower light                    |
| Light type                         | Green<br>Blue<br>Yellow<br>Red |
| Dimmable                           | No                             |
| Features of color 1                | Green, Permanently on, 23 lm   |
| Features of color 2                | Blue, Permanently on, 4.5 lm   |
| Features of color 3                | Yellow, Permanently on, 5 lm   |
| Features of color 4                | Red, Permanently on, 7.5 lm    |
| Acoustic signal                    | Continuous tone, 99 dB         |
| Electrical data                    |                                |
| Operating voltage $U_B$            | 18...30 VDC                    |
| DC rated operating current $I_o$   | ≤ 45 mA                        |
| Operating voltage $U_B$            | 21...27 VAC                    |
| Max. current consumption per color | 45 mA                          |
| Max. current consumption of beeper | 45 mA                          |
| Input type                         | Bipolar (PNP/NPN)              |
| Response time typical              | < 10 ms                        |
| Mechanical data                    |                                |
| Cascadable                         | No                             |
| Design                             | Smooth barrel, TL50            |
| Dimensions                         | Ø 50 x 278.7 mm                |
| Housing material                   | Plastic, ABS, Black            |

Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 x 1 male
- Colors: Green (COL 1) / Blue (COL 2) / Yellow (COL 3) / Red (COL 4)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN
- Beeper: Omnidirectional, sealed, continuous tone max. 99 dB

Wiring diagram



Functional principle

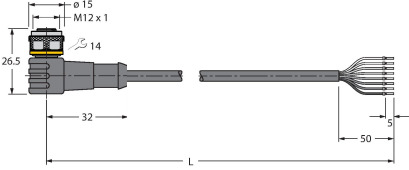
The TL50 tower lights provide highly visible status indicators and a clear user guidance within the entire system. They can be assembled from varicolored LEDs and are available with or without beeper. You can mount them directly on machines, in the cabinet or in locations to be monitored within the production lines. The wiring diagram shows a PNP pin assignment.

Technical data

|                       |                         |
|-----------------------|-------------------------|
| Window material       | Polycarbonate, diffuse  |
| Electrical connection | Connector, M12 × 1, PVC |
| Number of cores       | 8                       |
| Ambient temperature   | -20...+50 °C            |
| Relative humidity     | 0...95 %                |
| Protection class      | IP67                    |
| Tests/approvals       |                         |
| Approvals             | CE, UL listed           |

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.

Accessories

| Dimension drawing                                                                   | Type        | ID      |                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------|---------|-------------------------------------------------------------------------------------------------------------------------|
|   | RKC8T-2/TEL | 6625130 | Connection cable, M12 female connector, straight, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |
|  | WKC8T-2/TEL | 6625133 | Connection cable, M12 female connector, angled, 8-pin, cable length: 2 m, jacket material: PVC, black; cULus approval   |