

TL50HBYRGALSQ  
LED Signal Light – Tower Light



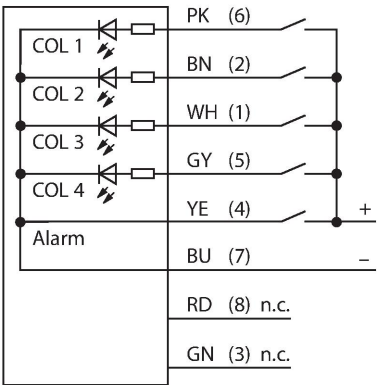
Technical data

|                                    |                                |
|------------------------------------|--------------------------------|
| Type                               | TL50HBYRGALSQ                  |
| ID                                 | 3017637                        |
| Signal and display data            |                                |
| Purpose                            | LED indicator light            |
| Function                           | Tower light                    |
| Light type                         | Blue<br>Yellow<br>Red<br>Green |
| Dimmable                           | No                             |
| Features of color 1                | Blue, Permanently on, 23 lm    |
| Features of color 2                | Yellow, Permanently on, 23 lm  |
| Features of color 3                | Red, Permanently on, 32 lm     |
| Features of color 4                | Green, Permanently on, 60 lm   |
| Acoustic signal                    | Continuous tone, 94 dB         |
| Electrical data                    |                                |
| Operating voltage $U_B$            | 18...30 VDC                    |
| DC rated operating current $I_a$   | ≤ 100 mA                       |
| Operating voltage $U_B$            | 21...27 VAC                    |
| Max. current consumption per color | 100 mA                         |
| Max. current consumption of beeper | 35 mA                          |
| Input type                         | Bipolar (PNP/NPN)              |
| Response time typical              | < 10 ms                        |
| Mechanical data                    |                                |
| Cascadable                         | No                             |
| Design                             | Smooth barrel, TL50            |
| Dimensions                         | Ø 50 x 264.6 mm                |

Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 x 1 male
- Multicolor: Blue (COL 1) / Yellow (COL 2) / Red (COL 3) / Green (COL 4)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN
- Beeper: Sealed, continuous tone max. 94 dB

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 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.

Technical data

|                       |                         |
|-----------------------|-------------------------|
| Housing material      | Plastic, ABS, Black     |
| 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 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

| 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   |