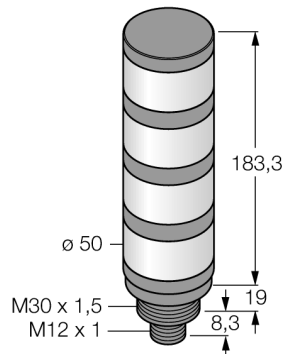


# LED Signal Light

## High-intensity Tower Light

### TL50HYBGRQ



|      |            |
|------|------------|
| Type | TL50HYBGRQ |
| ID   | 3091613    |

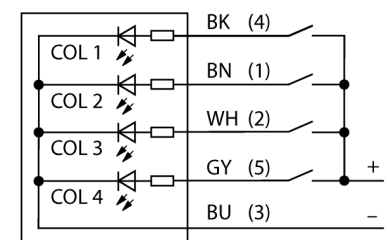
|                         |                                |
|-------------------------|--------------------------------|
| Signal and display data |                                |
| Purpose                 | LED indicator light            |
| Function                | Tower light                    |
| Light type              | Yellow<br>Blue<br>Green<br>Red |
| Dimmable                | No                             |
| Features of color 1     | Yellow, Permanently on, 23 lm  |
| Features of color 2     | Blue, Permanently on, 23 lm    |
| Features of color 3     | Green, Permanently on, 60 lm   |
| Features of color 4     | Red, Permanently on, 32 lm     |

|                                    |                   |
|------------------------------------|-------------------|
| Electrical data                    |                   |
| Operating voltage $U_s$            | 18...30 VDC       |
| DC rated operating current $I_s$   | $\leq 100$ mA     |
| Operating voltage $U_s$            | 21...27VAC        |
| AC rated operational current       | $\leq 100$ 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            | $\varnothing 50 \times 210.6$ mm |
| Housing material      | Plastic, ABS, Black              |
| Window material       | Polycarbonate, diffuse           |
| Electrical connection | Connector, M12 $\times$ 1, PVC   |
| Number of cores       | 5                                |
| Ambient temperature   | -40...+50 °C                     |
| Relative humidity     | 0...95%                          |
| Protection class      | IP67                             |

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- Male M12 x 1
- Multicolor: Yellow (COL 1) / Blue (COL 2) / Green (COL 3) / Red (COL 4)
- 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.

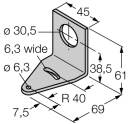
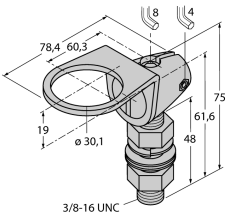
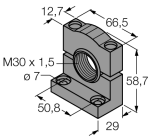
There are 5 colors available, blue (B), green (G), red (R), yellow (Y) and white (W), which specify the light sequence from bottom to top in the type code of the tower light. Example: TL50GYRQ, colors green, yellow and red arranged from bottom to top.

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        |  |