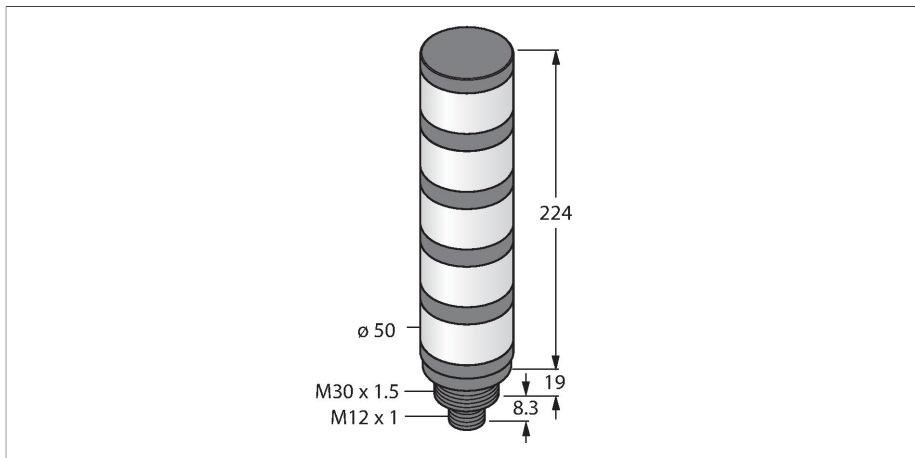


# TL50HWBGYRQ

## LED Signal Light – High-intensity Tower Light



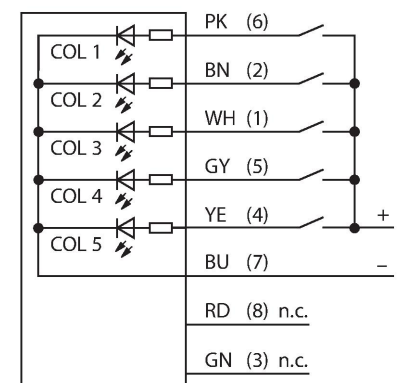
### Technical data

|                                    |                                         |
|------------------------------------|-----------------------------------------|
| Type                               | TL50HWBGYRQ                             |
| ID                                 | 3016608                                 |
| Signal and display data            |                                         |
| Purpose                            | LED indicator light                     |
| Function                           | Tower light                             |
| Light type                         | White<br>Blue<br>Green<br>Yellow<br>Red |
| Dimmable                           | No                                      |
| Features of color 1                | White, Permanently on, 50 lm            |
| Features of color 2                | Blue, Permanently on, 23 lm             |
| Features of color 3                | Green, Permanently on, 60 lm            |
| Features of color 4                | Yellow, Permanently on, 23 lm           |
| Features of color 5                | Red, Permanently on, 32 lm              |
| Electrical data                    |                                         |
| Operating voltage $U_B$            | 18...30 VDC                             |
| DC rated operating current $I_o$   | ≤ 100 mA                                |
| Operating voltage $U_B$            | 21...27 VAC                             |
| AC rated operational current       | ≤ 100 mA                                |
| Max. current consumption per color | 100 mA                                  |
| Input type                         | Bipolar (PNP/NPN)22                     |
| Response time typical              | < 10 ms                                 |
| Mechanical data                    |                                         |
| Cascadable                         | No                                      |
| Design                             | Smooth barrel, TL50H                    |
| Dimensions                         | Ø 50 x 251.3 mm                         |

### Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- Male M12 x 1
- Multicolor: White (COL 1) / Blue (COL 2) / Green (COL 3) / Yellow (COL 4) / Red (COL 5)
- 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 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 5 colors available, blue (B), green (G), red (R), yellow (Y) and white (W), which

Technical data

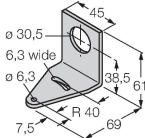
|                       |                         |
|-----------------------|-------------------------|
| Housing material      | Plastic, ABS, Black     |
| Window material       | Polycarbonate, diffuse  |
| Electrical connection | Connector, M12 × 1, PVC |
| Number of cores       | 8                       |
| Ambient temperature   | -40...+50 °C            |
| Relative humidity     | 0...95 %                |
| Protection class      | IP67                    |
| Tests/approvals       |                         |
| Approvals             | CE, UL listed           |

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

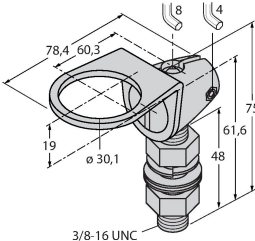
SMB30A3032723

Mounting bracket, rectangular, stainless steel, for sensors with 30mm thread



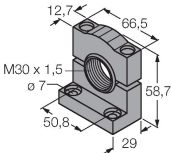
SMB30FA3074005

Montagewinkel; Werkstoff VA 1.4401



SMB30SC3052521

Mounting bracket, PBT black, for sensors with 30 mm thread, rotatable



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

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