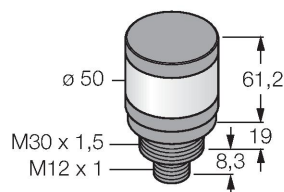


# TL50BQ

## LED Indicator – Tower Light



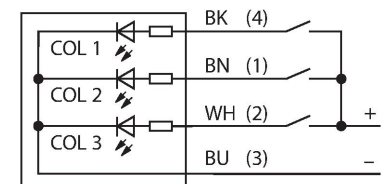
### Technical data

|                                    |                              |
|------------------------------------|------------------------------|
| Type                               | TL50BQ                       |
| ID                                 | 3010583                      |
| <b>Signal and display data</b>     |                              |
| Purpose                            | LED indicator light          |
| Function                           | Tower light                  |
| Light type                         | Blue                         |
| Dimmable                           | No                           |
| Features of color 1                | Blue, Permanently on, 4.5 lm |
| <b>Electrical data</b>             |                              |
| Operating voltage                  | 18...30 VDC                  |
| DC rated operational current       | ≤ 45 mA                      |
| Operating voltage                  | 21...27 VAC                  |
| AC rated operational current       | ≤ 45 mA                      |
| Max. current consumption per color | 45 mA                        |
| Input type                         | Bipolar (PNP/NPN)            |
| Response time typical              | < 10 ms                      |
| <b>Mechanical data</b>             |                              |
| Cascadable                         | No                           |
| Design                             | Smooth barrel, TL50          |
| Dimensions                         | Ø 50 x 88.5 mm               |
| Housing material                   | Plastic, ABS, Black          |
| Window material                    | Polycarbonate, diffuse       |
| Electrical connection              | Connector, M12 × 1, PVC      |
| Number of cores                    | 4                            |
| Ambient temperature                | -40...+50 °C                 |
| Relative humidity                  | 0...95 %                     |

### Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 × 1 male connector
- Monochrome: Blue (COL 1)
- Operating voltage: 18...30 VDC or 24 VAC with 45 mA per LED color
- Inputs: PNP/NPN

### Wiring diagram



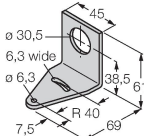
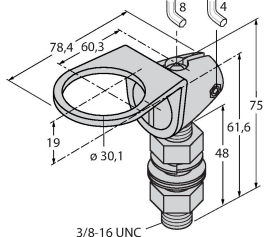
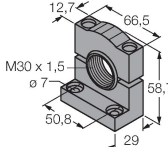
### Functional principle

Monochrome multifunction signaller  
 Rugged and well-priced LED tower, easy to install  
 Illuminated segments for clear operator guidance and display of system status  
 Display of up to 5 colors  
 Compact devices, no controller required  
 No mounting  
 The wiring diagram shows a PNP pin assignment

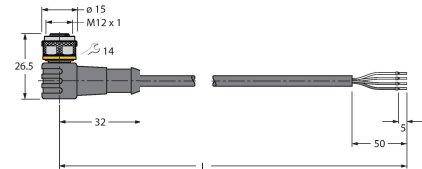
Technical data

|                  |               |
|------------------|---------------|
| Protection class | IP67          |
| Tests/approvals  |               |
| Approvals        | CE, UL listed |

Accessories

|                                                                                     |         |                                                                              |                                                                                    |         |                                    |
|-------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------|------------------------------------|
| 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        |                                                                                    |         |                                    |
|  |         |                                                                              |                                                                                    |         |                                    |

Accessories

| Dimension drawing                                                                   | Type          | ID      |                                                                                                                         |
|-------------------------------------------------------------------------------------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------|
|  | 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   |