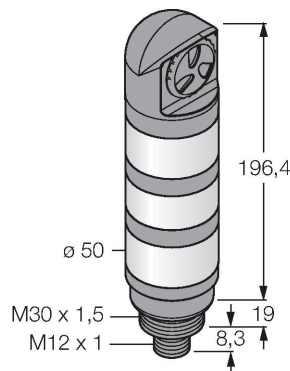


# TL50GYRALSKQ

## LED Indicator – Tower Light



### Technical data

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Type                               | TL50GYRALSKQ                          |
| ID                                 | 3801471                               |
| Signal and display data            |                                       |
| Purpose                            | LED indicator light                   |
| Function                           | Tower light                           |
| Light type                         | Green<br>Yellow<br>Red                |
| Dimmable                           | No                                    |
| Features of color 1                | Green, Programmable, 31 lm            |
| Features of color 2                | Yellow, Can be set via IO-Link, 32 lm |
| Features of color 3                | Red, Can be set via IO-Link, 13 lm    |
| Acoustic signal                    | Continuous tone, 94 dB                |
| Electrical data                    |                                       |
| Operating voltage                  | 18...30 VDC                           |
| DC rated operational current       | ≤ 45 mA                               |
| Operating voltage                  | 21...27 VAC                           |
| Max. current consumption per color | 70 mA                                 |
| Max. current consumption of beeper | 60 mA                                 |
| Communication protocol             | IO-Link                               |
| Input type                         | Communication protocol                |
| Response time typical              | < 10 ms                               |
| IO-Link                            |                                       |
| IO-Link specification              | V 1.1                                 |
| Communication mode                 | COM 2 (38.4 kBaud)                    |
| Process data width                 | 16 bit                                |
| Frame type                         | Type_2_2                              |

### Features

- Plastic housing, black
- EMI and RFI immune
- Protection class IP67
- M12 x 1 male
- Colors: Green (COL 1) / Yellow (COL 2) / Red (COL 3)
- Parameterizable via IO-Link
- Beeper: Sealed, continuous tone max. 94 dB

### Wiring diagram

|      |         |
|------|---------|
| 3 BU | -       |
| 1 BN | +       |
| 4 BK | IO-Link |
| 2 WH | n.c.    |

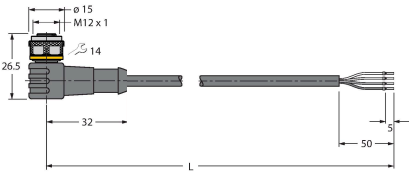
### Functional principle

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. 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.

Technical data

|                            |                         |
|----------------------------|-------------------------|
| Function pin 4             | IO-Link                 |
| Maximum cable length       | 20 m                    |
| Included in the SIDI GSDML | Yes                     |
| Mechanical data            |                         |
| Cascadable                 | No                      |
| Design                     | Smooth barrel, TL50     |
| Dimensions                 | Ø 50 x 223.9 mm         |
| Housing material           | Plastic, ABS, Black     |
| Window material            | Polycarbonate, diffuse  |
| Electrical connection      | Connector, M12 × 1, PVC |
| Number of cores            | 4                       |
| Ambient temperature        | -20...+50 °C            |
| Relative humidity          | 0...95 %                |
| Protection class           | IP67                    |
| Tests/approvals            |                         |
| Approvals                  | CE, UL listed           |

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   |