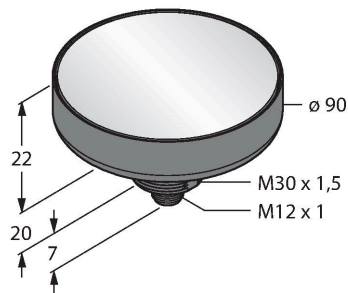


# K90TFDLGRPQ

## LED Indicator – Flat Beacon



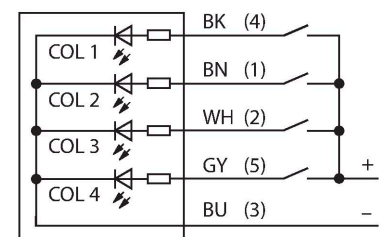
### Technical data

|                                    |                               |
|------------------------------------|-------------------------------|
| Type                               | K90TFDLGRPQ                   |
| ID                                 | 3096190                       |
| Signal and display data            |                               |
| Purpose                            | LED indicator light           |
| Function                           | Spotlight                     |
| Light type                         | Green<br>Red                  |
| LED service life (L70)             | 50000 h                       |
| Dimmable                           | No                            |
| Features of color 1                | Green, Permanently on, 175 lm |
| Features of color 2                | Red, 83 lm                    |
| Electrical data                    |                               |
| Operating voltage                  | 12...30 VDC                   |
| Max. current consumption per color | 475 mA                        |
| Input power                        | 5.7 W                         |
| Input type                         | PNP                           |
| Response time typical              | < 150 ms                      |
| Mechanical data                    |                               |
| Cascadable                         | No                            |
| Design                             | Puck, K90FDL                  |
| Dimensions                         | Ø 90 x 42 mm                  |
| Housing material                   | Plastic, PC                   |
| Window material                    | Polycarbonate, clear          |
| Electrical connection              | Connector, M12 × 1, PVC       |
| Number of cores                    | 5                             |
| Ambient temperature                | -40...+50 °C                  |
| Protection class                   | IP67                          |

### Features

- Daylight bright LED indication
- Protection class IP67
- Mechanical screw-in thread M30 x 1.5
- M12 x 1 male, 5-pin
- Colors: Green (COL 1), Red (COL 2)
- Alternates between colors when multiple inputs are active
- Operating voltage: 12...30 VDC
- Individually controllable
- Inputs: PNP

### Wiring diagram



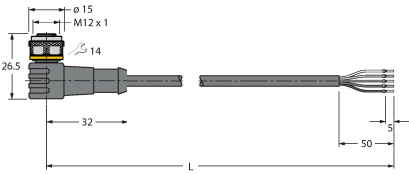
### Functional principle

The LED display is suitable for industrial use thanks to its rugged design in protection class IP67. The LED display is on during the input signal period. Only one color is lit up at any time. The simultaneous control of several colors provides for a cyclical change of colors.

Technical data

| Tests/approvals |    |
|-----------------|----|
| Approvals       | CE |

Accessories

| Dimension drawing                                                                 | Type          | ID      |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------|
|  | RKC4.5T-2/TEL | 6625016 | Connection cable, M12 female connector, straight, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval |
|  | WKC4.5T-2/TEL | 6625028 | Connection cable, M12 female connector, angled, 5-pin, cable length: 2 m, jacket material: PVC, black; cULus approval   |