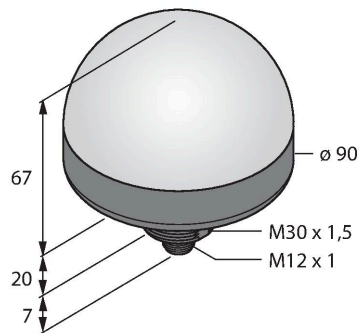


# K90LYPQ

## LED Signal Light – Beacon



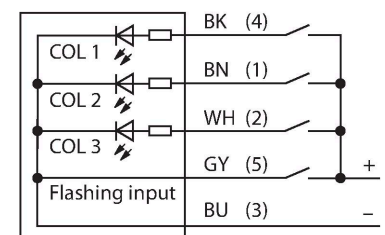
### Technical data

|                                    |                               |
|------------------------------------|-------------------------------|
| Type                               | K90LYPQ                       |
| ID                                 | 3092807                       |
| Signal and display data            |                               |
| Purpose                            | LED indicator light           |
| Function                           | Spotlight                     |
| Light type                         | Yellow                        |
| Wavelength                         | 590 nm                        |
| Luminous flux lumen                | 35 lm                         |
| LED service life (L70)             | 50000 h                       |
| Dimmable                           | No                            |
| Features of color 1                | Yellow, Permanently on, 35 lm |
| Electrical data                    |                               |
| Operating voltage $U_B$            | 12...30 VDC                   |
| Max. current consumption per color | 475 mA                        |
| Input power                        | 5.7 W                         |
| Input type                         | PNP                           |
| Response time typical              | < 75 ms                       |
| Mechanical data                    |                               |
| Cascadable                         | No                            |
| Design                             | Dome, K90L                    |
| Dimensions                         | Ø 90 x 87 mm                  |
| Housing material                   | Plastic, PC                   |
| Window material                    | Polycarbonate, diffuse        |
| Electrical connection              | Connector, M12 × 1, PVC       |
| Number of cores                    | 5                             |
| Ambient temperature                | -40...+50 °C                  |
| Protection class                   | IP67                          |

### Features

- All-round LED display
- Protection class IP67
- Mechanical screw-in thread M30 x 1.5
- M12 x 1 male, 5-pin
- Monochrome: Yellow (COL 1)
- Flashing function (1.6 Hz) selectable via function input
- Operating voltage: 12...30 VDC
- Individually controllable
- Inputs: PNP

### Wiring diagram



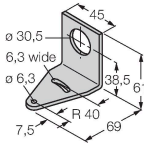
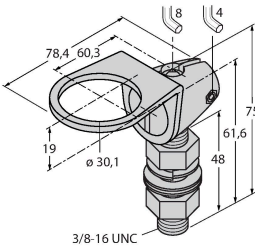
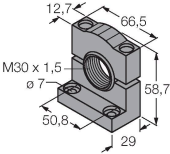
### Functional principle

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 a color at any time lights up. Higher color numbers override lower. COL 3 overrides for example COL 1 and 2. If the function input is connected to the supply voltage, the function switches from steady on to flashing.

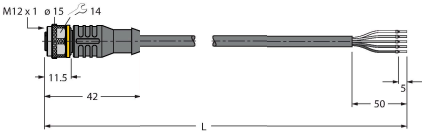
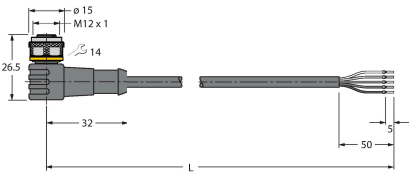
Technical data

| 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      |                                                                                                                         |
|-------------------------------------------------------------------------------------|---------------|---------|-------------------------------------------------------------------------------------------------------------------------|
|  | RKC4.5T-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   |