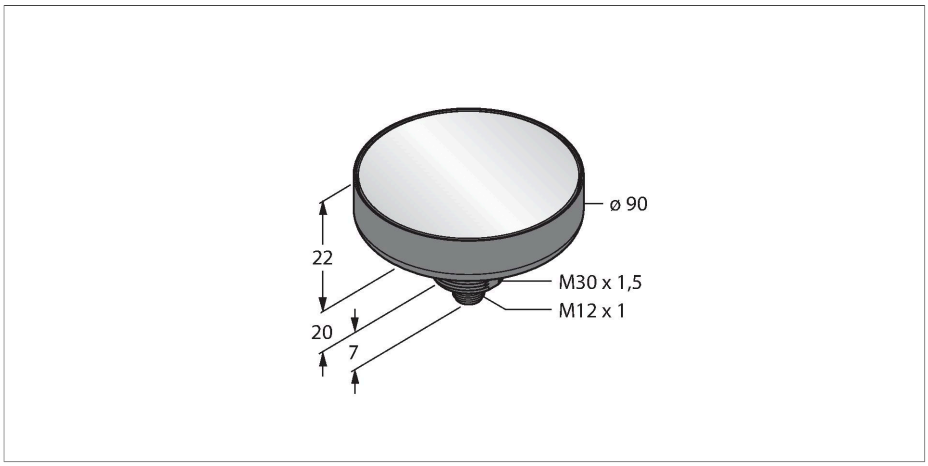
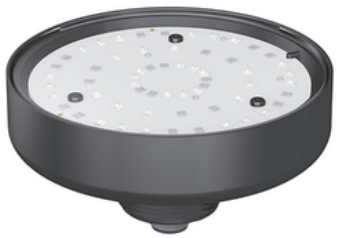
K90FDLYPQ
LED Indicator – Flat Beacon





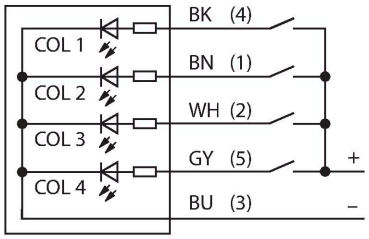
Technical data

Type	K90FDLYPQ
ID	3096138
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, 43 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	< 75 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: Yellow (COL 1)
- Flashing mode (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 one color is lit up at any time. 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.

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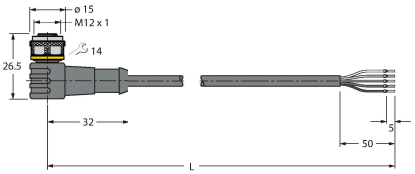
Technical data

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

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