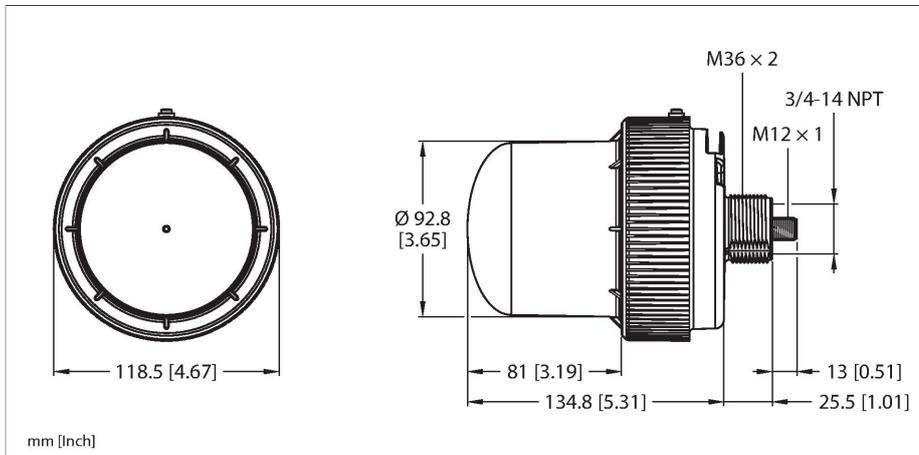


K100PBL YAQ

LED Signal Light



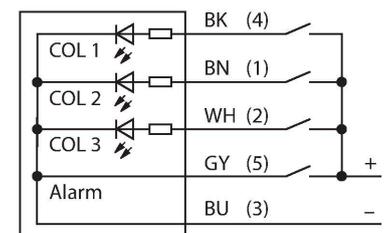
Technical data

Type	K100PBL YAQ
ID	3814000
Signal and display data	
Purpose	LED indicator light
Light type	Yellow
Luminous flux lumen	525 lm
Aperture angle degree	360 °
LED service life (L70)	42000 h
Dimmable	Programmable
Features of color 1	Yellow, 525 lm
Acoustic signal	programmable, 101 dB
Electrical data	
Operating voltage U_B	12...48 VDC
DC rated operating current I_e	≤ 425 mA
Input power	13.68 W
Response time typical	< 200 ms
Mechanical data	
Cascadable	No
Design	Dome
Dimensions	Ø 118.5 x 173.3 mm
Housing material	Plastic, PC
Electrical connection	Connector, M12 × 1
with motion switch	no
Ambient temperature	-40...+60 °C
Storage temperature	-40...+70 °C
Relative humidity	90 %
Protection class	IP66

Features

- All-round LED display
- Mechanical screw-in thread M36 × 2.0
- Protection class IP66
- Up to three light colors and predefined lighting animations can be displayed (COL 1, COL 2, COL 3)
- Can be configured using Pro Editor, various lighting animations, configurable I/O-block compatibility
- M12 × 1 male connector, 5-pin
- Continuous beep: 101 dB, configurable with Pro Editor

Wiring diagram



Functional principle

These indicator lights have color LEDs, depending on their type designation. Four input signals can be used to control up to three light colors and to activate the optional beeper. With the Pro Editor software, these lights can be assigned user-defined animations in the advanced settings and the functionality of the beeper can be adjusted. The major advantage of these LEDs is the color fidelity and luminance. The wiring diagram shows a PNP pin assignment.

Technical data

Tests/approvals

Approvals CE, UL listed

	R	Y	G	T	B	M	W
COL1	×	×				×	×
COL2		×	×	×			×
COL3				×	×	×	×

Accessories

LMB36RA	3813539
SA-M36SOP	3813538

SA-M36E12	3813537
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Accessories

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

Accessories

Dimension drawing	Type	ID	
	MQDC-506-USB	3803770	USB serial converter, for parameterizing PRO indicator lights or sensors via PC, female connector, M12 × 1, 5-pin to plug, USB type A, length 0.7 m, can be extended to a maximum of 30 m, supplies the connected device with 20 V, supports Windows 7 (driver required) and Windows 10