LX Beacons Conventional

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BOSCH
Invented for life

VdS

▶ Complies with EN54-23

▶ Up to 7.5 m coverage

▶ Variable flash rate

▶ Low current consumption

▶ LED technology

The LX Beacons are signaling devices for optical alarm.

Functions

The device has a unique lens design to achieve the required illumination specified by EN54-23. The flash rate as well as a reduced coverage volume can be set via DIP switch.
The ceiling device distributes the light in a cylindrical shape, the wall device in a cubical shape.
The device is designed for a variety of applications.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Germany	VdS	G214067 Solista LX wall
	VdS	G214069 Solista LX ceiling
Europe	CPD	0333-CPD-075443 LX_Beacon_Ceiling_EN
	CPD	0333-CPD-075441 LX_Beacon_Wall_EN
Poland	CNBOP	2236/2014 Solista

Installation/configuration notes

- Can be connected to
  - LSN fire panels with NZM 0002 A or FLM-420-NAC
  - FPC-500 Conventional Fire Panel

- The device is either available as version for wall application or as version for ceiling application.
- The device is suitable for indoor and outdoor use. (Outdoor use only with appropriate cable fittings. Not included in delivery.)
- The coverage of the device depends on the ambient light level. Consider also the maximum mounting height of the device.
- For reliable planning use the Planning Software by Bosch for Fire Alarm Systems.
- Remind that current consumption differs:

	Operating Voltage	High power 1 Hz	High power 0.5 Hz	Low power 1 Hz	Low power 0.5 Hz
Coverage		7.5 m (135 m^3)		2.5 m (15 m^3) / 3 m (21 m^3)	
White flash	24 V DC	25 mA	16 mA	16 mA	10 mA
Red flash	24 V DC	25 mA	16 mA	16 mA	10 mA

Technical specifications

Mechanics

Housing and base color	Red similar to RAL 3031 White similar to RAL 9003
Weight	100 g

Electrical

Operating voltage	9 - 60 V DC
Current consumption	10 - 25 mA, dependent on flash rate setting and coverage setting
Monitoring	Reverse polarity

Environmental conditions

Protection class	IP33C shallow base / IP65 deep base *
Permissible operating temperature	-25ºC - +70ºC
Permissible rel. humidity	Complies with EN54-23 (93% ±3%)

*Manufacturers specification, not third party verified

Ceiling

Dimensions (Ø x H)	93 mm x 37 mm / 93 mm x 65 mm
Maximum mounting height (x)	3 m
Coverage (y)	7.5 m (switchable to 3 m)
Coverage volume	132 m^3 (21 m^3)
Coverage volume code (C-x-y)	C-3-7.5
Flash rate	1Hz (switchable to 0.5 Hz)
Flash color	White or red

Wall

Dimensions (Ø x H)	93 mm x 38 mm / 93 mm x 66 mm
Maximum mounting height (x)	2.4 m
Coverage (y)	7.5 m (switchable to 2.5 m)
Coverage volume	135 m^3 (15 m^3)
Coverage volume code (W-x-y)	W-2.4-7.5

Flash rate	1Hz (switchable to 0.5 Hz)
Flash color	White or red

Ordering information

SOL-LX-C-WF-W-S White-flash beacon ceiling, shallow
for local visual alarm notification
Order number **SOL-LX-C-WF-W-S**

SOL-LX-C-RF-W-S Red-flash beacon ceiling, shallow
for local visual alarm notification
Order number **SOL-LX-C-RF-W-S**

SOL-LX-C-WF-W-D White-flash beacon ceiling, deep
for local visual alarm notification
Order number **SOL-LX-C-WF-W-D**

SOL-LX-C-RF-W-D Red-flash beacon ceiling, deep
for local visual alarm notification
Order number **SOL-LX-C-RF-W-D**

SOL-LX-W-WF-W-S White-flash beacon wall, shallow, white
for local visual alarm notification
Order number **SOL-LX-W-WF-W-S**

SOL-LX-W-RF-W-S Red-flash beacon wall, shallow, white
for local visual alarm notification
Order number **SOL-LX-W-RF-W-S**

SOL-LX-W-WF-W-D White-flash beacon wall, deep, white
for local visual alarm notification
Order number **SOL-LX-W-WF-W-D**

SOL-LX-W-RF-W-D Red-flash beacon wall, deep, white
for local visual alarm notification
Order number **SOL-LX-W-RF-W-D**

SOL-LX-W-WF-R-S White-flash beacon wall, shallow, red
for local visual alarm notification
Order number **SOL-LX-W-WF-R-S**

SOL-LX-W-RF-R-S Red-flash beacon wall, shallow, red
for local visual alarm notification
Order number **SOL-LX-W-RF-R-S**

SOL-LX-W-WF-R-D White-flash beacon wall, deep, red
for local visual alarm notification
Order number **SOL-LX-W-WF-R-D**

SOL-LX-W-RF-R-D Red-flash beacon wall, deep, red
for local visual alarm notification
Order number **SOL-LX-W-RF-R-D**