

# LX Beacons Conventional



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.

### Regulatory information

Region	Regulatory compliance/quality marks	
Europe	CE	DoC_solista-lx-ceiling
	CE	LX Beacon Wall
	CPD	0333-CPD-075443 LX Beacon Ceiling EN
Germany	VdS	G214069 Solista LX ceiling
	VdS	G214067 Solista LX wall
Macao Special Administrative Region Government	CB	0851/GEL/DPI/2020
Poland	CNBOP	4538/2022 Solista

## V d S

- ▶ Complies with EN54-23
- ▶ Up to 7.5 m coverage
- ▶ Variable flash rate
- ▶ Low current consumption
- ▶ LED technology

### 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.
- Use the Bosch Safety Systems Designer for reliable planning.
- 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 <sup>3</sup> )		2.5 m (15 m <sup>3</sup> ) / 3 m (21 m <sup>3</sup> )	
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 (VDC)	9 - 60 V DC
Current consumption (mA)	7 mA – 100 mA with respect to given voltage range (9 - 60 V DC) Connected to Bosch fire panel: 10 - 25 mA dependent on setting (flash rate and coverage)
Protection	Reverse polarity

### Environmental conditions

Protection class	IP33C shallow base / IP65 deep base *
Permissible operating temperature	-25°C - +70°C
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 <sup>3</sup> (21 m <sup>3</sup> )
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 <sup>3</sup> (15 m <sup>3</sup> )
Coverage volume code (W-x-y)	W-2.4-7.5

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

Luminous intensity red flash, ceiling:

	<b>SOL-LX-C-RF-W-D Red-flash beacon ceiling, deep</b>
Luminous intensity (cd)	8 cd

	<b>SOL-LX-C-RF-W-S Red-flash beacon ceiling, shallow</b>
Luminous intensity (cd)	8 cd

Luminous intensity red flash, wall:

	<b>SOL-LX-W-RF-W-S Red-flash beacon wall, shallow, white</b>
Luminous intensity (cd)	23 cd

	<b>SOL-LX-W-RF-W-D Red-flash beacon wall, deep, white</b>
Luminous intensity (cd)	23 cd

	<b>SOL-LX-W-RF-R-S Red-flash beacon wall, shallow, red</b>
Luminous intensity (cd)	23 cd

	<b>SOL-LX-W-RF-R-D Red-flash beacon wall, deep, red</b>
Luminous intensity (cd)	23 cd

Luminous intensity white flash, ceiling:

	<b>SOL-LX-C-WF-W-S White-flash beacon ceiling, shallow</b>
Luminous intensity (cd)	14 cd

	<b>SOL-LX-C-WF-W-D White-flash beacon ceiling, deep</b>
Luminous intensity (cd)	14 cd

Luminous intensity white flash, wall:

	<b>SOL-LX-W-WF-W-S White-flash beacon wall, shallow, white</b>
Luminous intensity (cd)	42 cd
	<b>SOL-LX-W-WF-W-D White-flash beacon wall, deep, white</b>
Luminous intensity (cd)	42 cd
	<b>SOL-LX-W-WF-R-S White-flash beacon wall, shallow, red</b>
Luminous intensity (cd)	42 cd
	<b>SOL-LX-W-WF-R-D White-flash beacon wall, deep, red</b>
Luminous intensity (cd)	42 cd

**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**

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

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

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

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- 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**

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- 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**

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- 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**

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- 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**

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- 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**

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- 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**

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- 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**

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