

## 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.

### 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.

### VdS

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

- 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<br>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 | -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 | F.01U.288.456**

#### **SOL-LX-C-RF-W-S Red-flash beacon ceiling, shallow**

for local visual alarm notification

Order number **SOL-LX-C-RF-W-S | F.01U.288.457**

#### **SOL-LX-C-WF-W-D White-flash beacon ceiling, deep**

for local visual alarm notification

Order number **SOL-LX-C-WF-W-D | F.01U.288.458**

#### **SOL-LX-C-RF-W-D Red-flash beacon ceiling, deep**

for local visual alarm notification

Order number **SOL-LX-C-RF-W-D | F.01U.288.459**

#### **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 | F.01U.288.460**

#### **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 | F.01U.288.461**

#### **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 | F.01U.288.462**

#### **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 | F.01U.288.463**

#### **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 | F.01U.288.464**

#### **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 | F.01U.288.465**

#### **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 | F.01U.288.466**

#### **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 | F.01U.288.467**

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