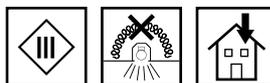# LED SPOT

## SOFTLINE



## SOFTLINE
## RECESSED MOUNTED LED SPOT

An ideal LEDSpot to use in furniture and shelves. SoftLine LEDSpots have an homogeneous light distribution, unique in its range of products.

The constant-voltage supply offers an easy and simple connection system.

**Typical applications**
- Furniture lighting
- Residential lighting
- Retail lighting



### SoftLine

- **HOMOGENEOUS LIGHT DISTRIBUTION FOR A "SOFT" EFFECT**

- **VOLTAGE-DRIVEN FOR AN EASY PARALLEL CONNECTION**
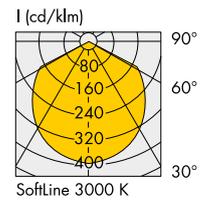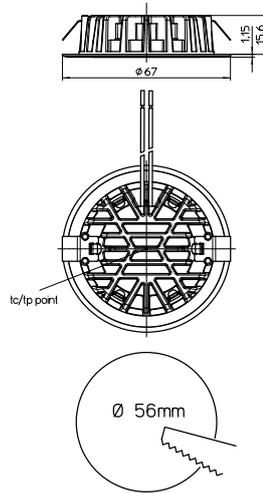
- **5 YEARS GUARANTEE**

- **MADE IN ITALY**

**MADE IN ITALY**

# LEDSpot SoftLine – Furniture and Residential Lighting

# SoftLine – 24 V DC and 12 V DC

**Complete LEDSpot equipped with
heat sink, leads and metal frame**

## Technical notes
Round frame: metal, silver, silver brushed or white
For cut-out: Ø 56 mm
LEDSpot with 6 LEDs and with thermoplastic heat sink
Beam angle: 90°
Front diffuse cover for homogeneous light distribution
CRI $R_a$: 80
Leads: Cu tinned, stranded conductors AWG22,
    PVC-insulation, length: 250 mm
Use of external LED constant-voltage converter
Snap-in clips for easy installation into wooden shelves
Degree of protection: IP20 (front part: IP40)
Allowed ambient temperature: 0 to 40 °C
Allowed storage temperature: −30 to 60 °C
Lumen maintenance L70/B50:
    50,000 hrs. ($t_c/t_p$ = 75 °C)
Max. operating temperature at $t_c/t_p$ point: 85 °C
Weight: 40 g
Packaging unit: 45 pcs.

I (cd/klm)

SoftLine 3000 K

## SoftLine 24 V DC

| Type | Description | Ref. No. | Colour | Correlated colour temperature K | Max. power consumption W | Typ. luminous flux* lm | Typ. CRI $R_a$ | Light intensity Candela | Beam angle ° | Energy efficiency |
|---|---|---|---|---|---|---|---|---|---|---|
| **Frame colour: silver** | | | | | | | | | | |
| LCH032 | Soft 757 min P15 24V | **563861** | warm white | 2580…2870 | 2.8 | 205 | 80 | 80 | 90 | A++ |
| LCH032 | Soft 757 min P15 24V | **563863** | warm white | 2870…3220 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| LCH032 | Soft 757 min P15 24V | **563865** | neutral white | 3710…4260 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| **Frame colour: white** | | | | | | | | | | |
| LCH032 | Soft 757 min P15 24V | **563862** | warm white | 2580…2870 | 2.8 | 205 | 80 | 80 | 90 | A++ |
| LCH032 | Soft 757 min P15 24V | **563864** | warm white | 2870…3220 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| LCH032 | Soft 757 min P15 24V | **563866** | neutral white | 3710…4260 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| **Frame colour: silver brushed** | | | | | | | | | | |
| LCH032 | Soft 757 min P15 24V | **563336** | warm white | 2580…2870 | 2.8 | 205 | 80 | 80 | 90 | A++ |
| LCH032 | Soft 757 min P15 24V | **562742** | warm white | 2870…3220 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| LCH032 | Soft 757 min P15 24V | **562885** | neutral white | 3710…4260 | 2.8 | 225 | 80 | 90 | 90 | A++ |

## SoftLine 12 V DC

| Type | Description | Ref. No. | Colour | Correlated colour temperature K | Max. power consumption W | Typ. luminous flux* lm | Typ. CRI $R_a$ | Light intensity Candela | Beam angle ° | Energy efficiency |
|---|---|---|---|---|---|---|---|---|---|---|
| **Frame colour: silver** | | | | | | | | | | |
| LCH033 | Soft 757 12V | **on request** | warm white | 2870…3220 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| LCH033 | Soft 757 12V | **on request** | neutral white | 3710…4260 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| **Frame colour: white** | | | | | | | | | | |
| LCH033 | Soft 757 12V | **on request** | warm white | 2870…3220 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| LCH033 | Soft 757 12V | **on request** | neutral white | 3710…4260 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| **Frame colour: silver brushed** | | | | | | | | | | |
| LCH033 | Soft 757 12V | **562753** | warm white | 2870…3220 | 2.8 | 225 | 80 | 90 | 90 | A++ |
| LCH033 | Soft 757 12V | **562754** | neutral white | 3710…4260 | 2.8 | 225 | 80 | 90 | 90 | A++ |

Emission data at $t_j$ = 80 °C | * Measurement tolerance of luminous flux: ±5% | Further colour temperatures on request

The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.

# SoftLine – 24 V DC and 12 V DC

## LED converter

You will find more information about our LED converter on our website: **www.vossloh-schwabe.com**

| Capacity range W | Mains voltage 50–60 Hz V ±10 % | Output current A | Ref. No. | Version | Max. service life time hrs. | Service life time at °C | Connection | Dimensions LxWxH mm |
|---|---|---|---|---|---|---|---|---|
| **24 V** | | | | | | | | |
| 20 | 220–240 | 0–0.85 | **186129** | ComfortLine | 100,000 | 65 | Screw terminals | 182x42x18 |
| 30 | 220–240 | 0–1.25 | **186624** | EasyLine | 50,000 | 70 | Screw terminals | 153x41.4x32 |
| 60 | 220–240 | 0–2.5 | **186625** | EasyLine | 50,000 | 75 | Screw terminals | 180x52x30 |
| 75 | 220–240 | 0–3.125 | **186626** | EasyLine | 50,000 | 80 | Screw terminals | 180x52x30 |
| 120 | 220–240 | 0–5 | **186627** | EasyLine | 50,000 | 80 | Screw terminals | 300x40x30 |
| **12 V** | | | | | | | | |
| 6 | 220–240 | 0–0.5 | **186412** | EasyLine | 50,000 | 55 | Preassembled leads | 81.6x42.5x23 |
| 12 | 220–240 | 0–1 | **186204** | ComfortLine | 100,000 | 65 | Screw terminals | 103.5x36x22 |
| 20 | 220–240 | 0–1.68 | **186620** | EasyLine | 50,000 | 65 | Screw terminals | 123x45x19 |
| 60 | 220–240 | 0–5 | **186621** | EasyLine | 50,000 | 70 / 80 | Screw terminals | 180x52x30 |
| 75 | 220–240 | 0–6.25 | **186622** | EasyLine | 50,000 | 75 | Screw terminals | 180x52x30 |
| 100 | 220–240 | 0–8.4 | **186623** | EasyLine | 50,000 | 70 / 80 | Screw terminals | 300x40x30 |

Please ensure you choose the correct LED driver for the module in question and that the respective output parameters (current, voltage, wattage) are correct.
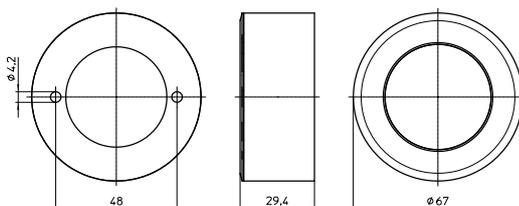
# Surface Kit with Mounted LEDSpot

Attention: To use the surface kit for the LEDSpot SoftLine a different fixation clips are needed.

Metal frame to use LEDSpot as surface mounting spots
Two single pole terminals for electrical connection inside the kit (frame + spot)
Fixation by self tapping screws
Unit: 90 pcs.
**Ref. No.: 554845** Frame colour: white
**Ref. No.: 554843** Frame colour: silver



**Frame**

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**VS LIGHTING SOLUTIONS**

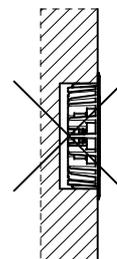# SoftLine – Installation Instruction
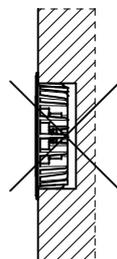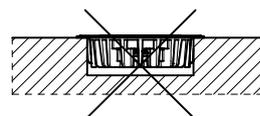
## General safety information

- VS product may only be installed and commissioned by authorised and fully qualified staff.
- These instructions must be carefully read before installing and commissioning the system, as this is the only way to ensure safe and correct handling.
- An external converter in 12 V DC or 24 V DC is required.
- Before any work is carried out on the equipment, it must be disconnected from the mains.
- All valid safety and accident-prevention regulations must be observed.
- The products should never be inexpertly opened. Repairs may only be undertaken by the manufacturer.
- Dimming: The dimming charactereistics of the installed converter have to be observed.
- The photo biological safety of the LED modules is classified into risk groups in accordance with EN 62471: 2008 and IEC TR 62778: risk group 1.
- Do not use LEDSpots SoftLine in locations containing a bath or shower; LEDSpots SoftLine are IP20 protected.

See drawing and cut out for each product on previous pages

**Built-in**

**Correct position**



OK

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# All VS LED Spots at a glance

**Tiny**
LEDSpot with optics, leads
and metal frame
For cut-out: Ø 26 mm
Beam angle: 36°
Lumen output: max. 140 lm
Versions: CC, CV, Kit

**StartLine**
LEDSpot with optics, heat sink,
leads and frame
For cut-out: Ø 56 mm
Beam angle: 30°, 36°, 38°
Lumen output: max. 250 lm
Versions: CC, CV

**EffectLine**
LEDSpot with optics, heat sink,
leads and metal frame
For cut-out: Ø 37 mm
Beam angle: 10°, 16°, 28°
or 38°
Lumen output: max. 250 lm
Versions: CC

**IPLine**
LEDSpot IP54 with optics,
heat sink, leads and
metal frame
For cut-out: Ø 56 mm
Beam angle: 40°
Lumen output: max. 330 lm
Versions: CC

**FlatLine**
LEDSpot with optics, leads
and metal frame
For cut-out: Ø 56 mm
Beam angle: 60°, 70°
Lumen output: max. 270 lm
Versions: CC, CV, TW, Kit

**DiscLine**
LEDSpot with optics, heat sink,
leads and metal frame
For cut-out: Ø 56 mm
Beam angle: 45°, 55°
Lumen output: max. 220 lm
Versionen CC

**SmartLine COB**
LEDSpot with optics, heat sink,
leads and metal frame
For cut-out: Ø 56 mm
Beam angle: 40°
Lumen output: max. 330 lm
Versions: CC

**SoftLine**
LEDSpot with heat sink,
leads and metal frame
For cut-out: Ø 56 mm
Beam angle: 90°
Lumen output: max. 225 lm
Versions: CV

**SmartLine SMD**
LEDSpot with optics, heat sink,
leads and metal frame
For cut-out: Ø 56 mm
Beam angle: 36°, 40°
Lumen output: max. 250 lm
Versions: CC, CV

**Revo**
LEDSpot with optics and frame
For cut-out: 67.5x25x5 mm
Beam angle: 60°, 70°
Lumen output: max. 255 lm
Versions: CC, CV, TW

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LEDSpot_OverviewPage_EN – 5/5 – 02/2019

**VS LIGHTING SOLUTIONS**
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