

## LED SPOT

### SOFTLINE



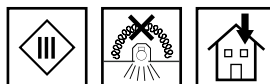
## SOFTLINE RECESSED MOUNTED LED SPOT

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**

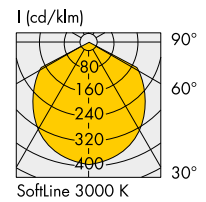
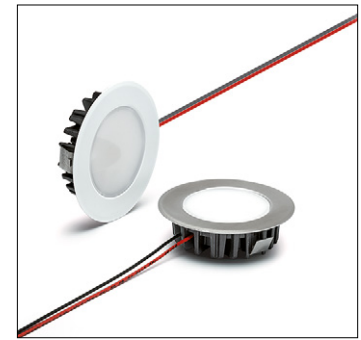
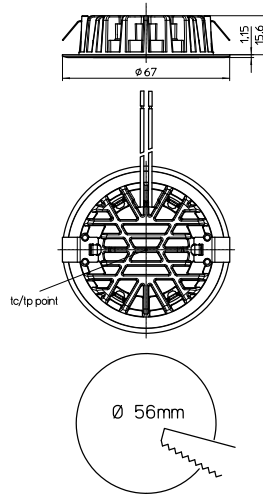


## SoftLine – 24 V DC and 12 V DC

**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<sub>a</sub>: 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<sub>c</sub>/t<sub>p</sub> = 75 °C)  
 Max. operating temperature at t<sub>c</sub>/t<sub>p</sub> point: 85 °C  
 Weight: 40 g  
 Packaging unit: 45 pcs.



### SoftLine 24 V DC

Type	Description	Ref. No.	Colour	Correlated colour temperature K	Max. power consumption W	Typ. luminous flux* lm	Typ. CRI R <sub>a</sub>	Light intensity Candela	Beam angle °	Energy efficiency
<b>Frame colour: silver</b>										
LCH032	Soft 757 min P15 24V	<b>563861</b>	warm white	2580...2870	2.8	205	80	80	90	A++
LCH032	Soft 757 min P15 24V	<b>563863</b>	warm white	2870...3220	2.8	225	80	90	90	A++
LCH032	Soft 757 min P15 24V	<b>563865</b>	neutral white	3710...4260	2.8	225	80	90	90	A++
<b>Frame colour: white</b>										
LCH032	Soft 757 min P15 24V	<b>563862</b>	warm white	2580...2870	2.8	205	80	80	90	A++
LCH032	Soft 757 min P15 24V	<b>563864</b>	warm white	2870...3220	2.8	225	80	90	90	A++
LCH032	Soft 757 min P15 24V	<b>563866</b>	neutral white	3710...4260	2.8	225	80	90	90	A++
<b>Frame colour: silver brushed</b>										
LCH032	Soft 757 min P15 24V	<b>563336</b>	warm white	2580...2870	2.8	205	80	80	90	A++
LCH032	Soft 757 min P15 24V	<b>562742</b>	warm white	2870...3220	2.8	225	80	90	90	A++
LCH032	Soft 757 min P15 24V	<b>562885</b>	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 <sub>a</sub>	Light intensity Candela	Beam angle °	Energy efficiency
<b>Frame colour: silver</b>										
LCH033	Soft 757 12V	<b>on request</b>	warm white	2870...3220	2.8	225	80	90	90	A++
LCH033	Soft 757 12V	<b>on request</b>	neutral white	3710...4260	2.8	225	80	90	90	A++
<b>Frame colour: white</b>										
LCH033	Soft 757 12V	<b>on request</b>	warm white	2870...3220	2.8	225	80	90	90	A++
LCH033	Soft 757 12V	<b>on request</b>	neutral white	3710...4260	2.8	225	80	90	90	A++
<b>Frame colour: silver brushed</b>										
LCH033	Soft 757 12V	<b>562753</b>	warm white	2870...3220	2.8	225	80	90	90	A++
LCH033	Soft 757 12V	<b>562754</b>	neutral white	3710...4260	2.8	225	80	90	90	A++

Emission data at t<sub>l</sub> = 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](http://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
<b>24 V</b>								
20	220–240	0–0.85	<b>186129</b>	ComfortLine	100,000	65	Screw terminals	182x42x18
30	220–240	0–1.25	<b>186624</b>	EasyLine	50,000	70	Screw terminals	153x41.4x32
60	220–240	0–2.5	<b>186625</b>	EasyLine	50,000	75	Screw terminals	180x52x30
75	220–240	0–3.125	<b>186626</b>	EasyLine	50,000	80	Screw terminals	180x52x30
120	220–240	0–5	<b>186627</b>	EasyLine	50,000	80	Screw terminals	300x40x30
<b>12 V</b>								
6	220–240	0–0.5	<b>186412</b>	EasyLine	50,000	55	Preassembled leads	81.6x42.5x23
12	220–240	0–1	<b>186204</b>	ComfortLine	100,000	65	Screw terminals	103.5x36x22
20	220–240	0–1.68	<b>186620</b>	EasyLine	50,000	65	Screw terminals	123x45x19
60	220–240	0–5	<b>186621</b>	EasyLine	50,000	70 / 80	Screw terminals	180x52x30
75	220–240	0–6.25	<b>186622</b>	EasyLine	50,000	75	Screw terminals	180x52x30
100	220–240	0–8.4	<b>186623</b>	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.

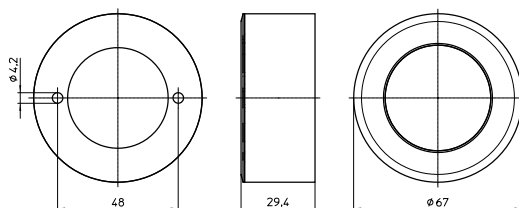
## Surface Kit with Mounted LEDSpot

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



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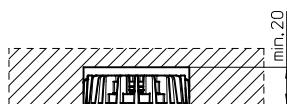
## SoftLine – Installation Instruction

### General safety information

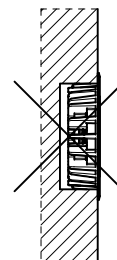
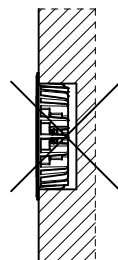
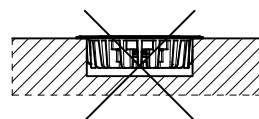
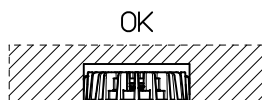
- VS product may only be installed and commissioned by authorised and fully qualified staff.
- These instructions must be carefully read before installing and commissioning the system, as this is the only way to ensure safe and correct handling.
- An external converter in 12 V DC or 24 V DC is required.
- 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 characteristics 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



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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



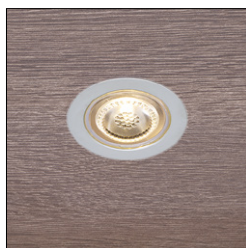
### StartLine

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



### DisLine

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

