

# LED SPOT

## DISCLINE



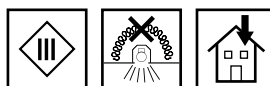
### DISCLINE RECESSED MOUNTED LED SPOT

As the perfect replacement for traditional halogen spotlights, these round LEDSpots are ideal for use in furniture and shelves.

A plastic-free round LEDSpot that recall the halogen spotlights. A perfect mix of latest technology and traditional design.

#### Typical applications for LEDSpots

- Furniture lighting
- Residential lighting
- Retail lighting



#### Discline

- **GLASS COVER**
- **NARROW COLOUR TOLERANCES: 3 SDCM**
- **FIXATION SPRINGS FOR MANY DIFFERENT APPLICATIONS**
- **5 YEARS GUARANTEE**
- **MADE IN ITALY**

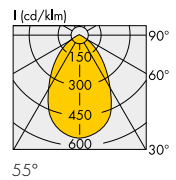
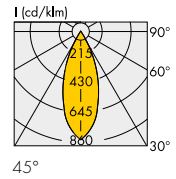
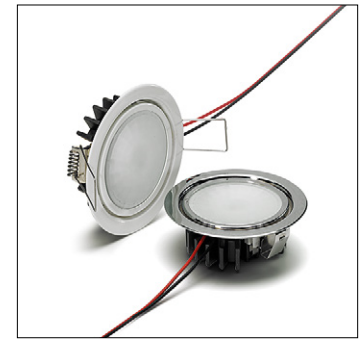


## DisLine

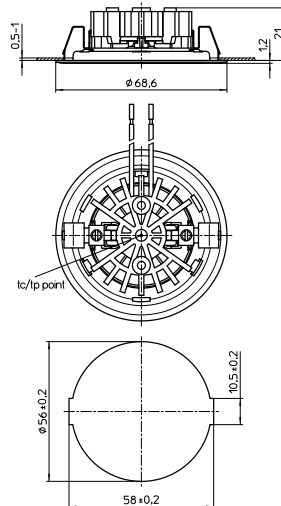
**Complete LEDspot equipped with optics, heat sink, leads and metal frame**

### Technical notes

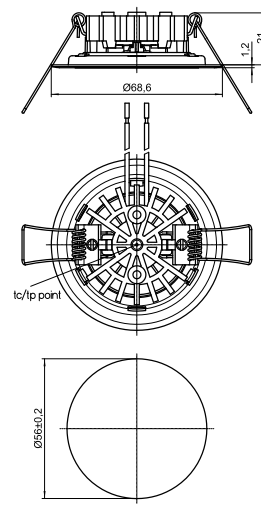
- Metal frame, round
- For cut-out:  $\varnothing$  56 mm
- LEDspot with one LED and with thermoplastic heat sink
- Reflector with opaque glass (clear glass on request)
- Beam angle: 45° or 55°
- Leads: Cu tinned, stranded conductors AWG22, PVC-insulation, length: 250 mm
- Use of external LED constant-current drivers
- Snap-in clips for easy installation
  - for luminaire sheets (type LCH-006)
  - for ceilings (type LCH-007)
- Degree of protection: IP40
- Allowed ambient temperature: 0 to 40 °C
- Allowed storage temperature: -30 to 60 °C
- Lumen maintenance L70/B50: 50,000 hrs. ( $t_c/t_p = 70$  °C)
- Max. operating temperature at  $t_c/t_p$  point: 90 °C
- Weight: 50 g
- Packaging unit: 45 pcs. (type LCH-006)
- 40 pcs. (type LCH-007)



**LCH-006**



**LCH-007**



Type	Description	LEDspot version		Colour	Correlated colour temperature K	Typ. luminous flux and typical voltage ( $U_{hyp.}$ ) and power consumption ( $P_{el}$ )*			light intensity at max. current Candela		Energy efficiency at max. current
		for luminaire sheets	ceilings			350 mA lm	500 mA lm	700 mA lm	45°	55°	
						$P_{el} = 0.98$ W $U_{hyp.} = 2.8$ V	$P_{el} = 1.45$ W $U_{hyp.} = 2.9$ V	$P_{el} = 2.1$ W $U_{hyp.} = 3$ V			
All types	Disc 219 3000K	<b>A</b>	<b>C</b>	warm white	3000	130	170	200	185	140	A++
All types	Disc 219 4500K	<b>B</b>	<b>D</b>	neutral white	4500	140	190	220	195	150	A++

Emission data at  $t_i = 85$  °C | \*Production tolerance of luminous flux, voltage and power consumption:  $\pm 7\%$  | Further colour temperatures on request

Frame colour	For luminaire sheets (LCH-006)				For ceilings (LCH-007)			
	Ref. No. A (warm white)		Ref. No. B (neutral white)		Ref. No. C (warm white)		Ref. No. D (neutral white)	
	45°	55°	45°	55°	45°	55°	45°	55°
silver	<b>561836</b>	<b>561844</b>	<b>561846</b>	<b>561849</b>	<b>561851</b>	<b>561854</b>	<b>561861</b>	<b>561863</b>
white	<b>561842</b>	<b>561845</b>	<b>561848</b>	<b>561850</b>	<b>561853</b>	<b>561855</b>	<b>561862</b>	<b>561864</b>

Silver brushed and further colours on request

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

## LED drivers

You will find more information about our LED drivers on our website: [www.vossloh-schwabe.com](http://www.vossloh-schwabe.com)

Capacity range W	Output current DC mA	Output voltage DC V	Ref. No.	Version	Current setting	Dimming	Max. service life time (hrs.)	Dimensions: mm (LxWxH)
<b>700 mA</b>								
5.6	700	2.8–8	<b>186348</b>	EasyLine	—	—	50,000	81.6x42.5x23
17.5	700	2–25	<b>186681</b>	ComfortLine	—	—	100,000	128x37x28
<b>350 mA</b>								
8.75	350	2–25	<b>186519</b>	ComfortLine	—	—	100,000	65x30.7x21.5
11	350	2–32	<b>186679</b>	ComfortLine	—	—	100,000	128x37x28

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

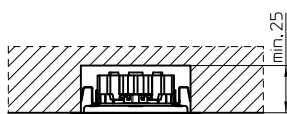
## DisLine – Installation Instruction

### General safety information

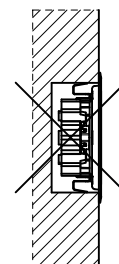
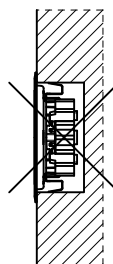
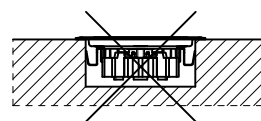
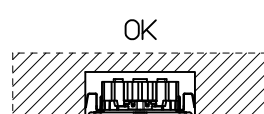
- VS product may only be installed and commissioned by authorised and fully qualified staff.
- These instructions must be carefully read before installing and commissioning the system, as this is the only way to ensure safe and correct handling.
- An external driver for max. 700 mA is required.
- Before 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 driver 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.

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

