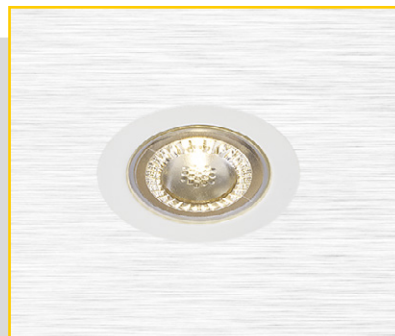


LED SPOT

EFFECTLINE



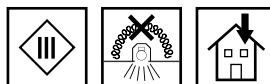
EFFECTLINE RECESSED MOUNTED LED SPOT

A small LED spotlight with highly customizable lenses that is designed especially for light up your shelves.

A fascinating experience with high optical performances characterizes this LEDSpot.

Typical applications for LEDSpots

- Furniture lighting
- Residential lighting
- Retail lighting



EffectLine

- **WIDE RANGE OF LENSES**
- **NARROW COLOUR TOLERANCES: 3 SDCM**
- **5 YEARS GUARANTEE**
- **MADE IN ITALY**



EffectLine

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

Technical notes

Metal frame, round or square

For cut-out: \varnothing 37 mm

LEDspot with one LED and with thermoplastic heat sink

Beam angle: 10°, 16°, 28° or 38°

Leads: Cu tinned, stranded conductors AWG22,

PVC-insulation, length: 250 mm

Use of external LED constant-current drivers

Snap-in clips for easy installation

Degree of protection: IP20

Allowed ambient temperature: 0 to 40 °C

Allowed storage temperature: -30 to 60 °C

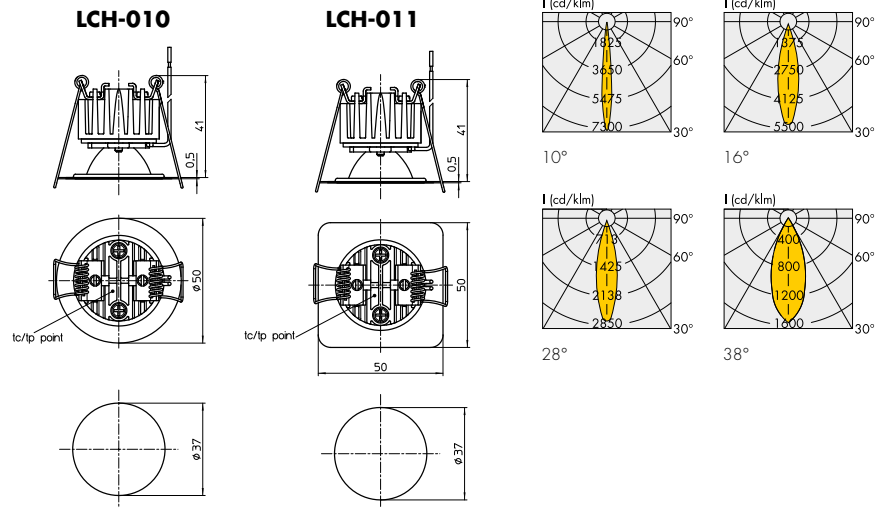
Lumen maintenance L70/B50:

50,000 hrs. ($t_c/t_p = 70\text{ °C}$)

Max. operating temperature at t_c point: 80 °C

Weight: 40 g

Packaging unit: 45 pcs.



Type	Description	LEDspot version	Colour	Correlated colour temperature	Luminous flux (lm) and typical voltage ($U_{typ.}$) and power consumption (P_{el})*			Light intensity at max. current				Energy efficiency at max. current
					350 mA typ.	500 mA typ.	700 mA typ.	Candela				
				K				10°	16°	28°	38°	
					$P_{el} = 0.98\text{ W}$ $U_{typ.} = 2.8\text{ V}$	$P_{el} = 1.45\text{ W}$ $U_{typ.} = 2.9\text{ V}$	$P_{el} = 2.1\text{ W}$ $U_{typ.} = 3\text{ V}$					
All types	Effect 219 3000K	A	warm white	3000	130	170	220	1500	1200	650	430	A++
All types	Effect 219 4500K	B	neutral white	4500	140	190	250	1620	1320	700	460	A++

Emission data at $t_j = 85\text{ °C}$ | * Production tolerance of luminous flux, voltage and power consumption: $\pm 7\%$

Frame colour	Ref. No. A (warm white)								Ref. No. B (neutral white)							
	round (LCH-010)				square (LCH-011)				round (LCH-010)				square (LCH-011)			
	10°	16°	28°	38°	10°	16°	28°	38°	10°	16°	28°	38°	10°	16°	28°	38°
silver	566143	561808	566146	566148	566150	566152	566154	566156	566158	566160	566162	566164	566166	566168	561831	561834
white	566144	566145	566147	566149	566151	566153	566155	566157	566159	566161	566163	566165	566167	566169	561833	561835

Silver brushed or 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.

EffectLine

LED driver 700 mA and 350 mA

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

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

EffectLine – Installation Instruction

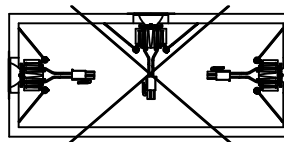
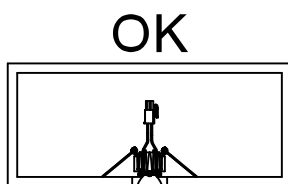
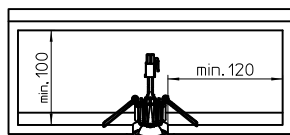
General safety information

- 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 constant-current driver of 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 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.

See drawing and cut out for each product on previous pages.

Built-in

Correct position



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

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



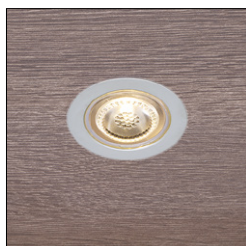
StartLine

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

