

## LED SPOT

### REVO



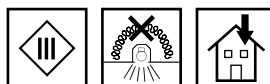
## REVO – RECESSED MOUNTED LED SPOT

A rectangular LED spotlight has never been so elegant and so powerful. It's time to give a linear shape to your light.

Revo is available with plastic or metal frame. The LEDSpot is available as constant-current oder constant-voltage module. The Tuneable White version has a dynamic colour temperature.

### Typical applications

- Furniture lighting
- Residential lighting
- Retail lighting



### Revo

- **CONSTANT-CURRENT OR VOLTAGE-DRIVEN**
- **MODULAR DESIGN**
- **TUNEABLE WHITE VERSION**
- **5 YEARS GUARANTEE**
- **MADE IN ITALY**

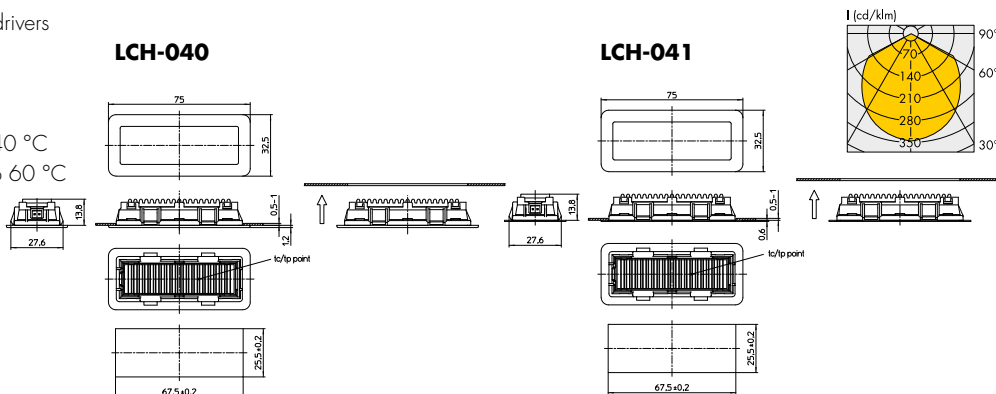


## Revo – 700 mA

Complete LEDSpot equipped with optics and frame

### Technical notes

Rectangular frame LCH-040: plastics  
 Rectangular frame LCH-041: metal, silver  
 For cut-out: 67.5 x 25 x 5 mm  
 LEDSpot with 3 LEDs  
 Beam angle: 60°  
 CRI R<sub>a</sub>: 80  
 Use of external LED constant-current drivers  
 Snap-in clips for easy installation  
 Degree of protection: IP20  
 (LCH-040: IP44 front part)  
 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> = 70 °C)  
 Max. operating temperature at  
 t<sub>c</sub>/t<sub>p</sub> point: 90 °C  
 Weight: 20 g  
 Packaging unit: 162 pcs.



Type	Description	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux (lm) and typ. voltage (U <sub>hyp.</sub> ) and power consumption (P <sub>el</sub> )*			Typ. CRI R <sub>a</sub>	Beam angle °	Light intensity at max. current Candela	Energy efficiency at max. current			
					350 mA lm	500 mA lm/W	700 mA lm					500 mA lm/W	700 mA lm	700 mA lm/W
<b>Revo 700 mA</b>					P <sub>el</sub> = 1.1 W U <sub>hyp.</sub> = 3.08 V	P <sub>el</sub> = 1.6 W U <sub>hyp.</sub> = 3.17 V	P <sub>el</sub> = 2.3 W U <sub>hyp.</sub> = 3.25 V							
LCH-040	Revo P - S5	<b>567233</b>	neutral white	3700...4200	125	114	180	113	255	111	80	60	95	A++
LCH-041	Revo - S5	<b>on request</b>	warm white	2870...3220	115	106	170	106	240	104	80	60	95	A++
LCH-041	Revo - S5	<b>563290</b>	neutral white	3700...4200	125	114	180	113	255	111	80	60	95	A++

Emission data at t<sub>i</sub> = 85 °C | \* Production tolerance of luminous flux, voltage and power consumption: ±7% | Further colour temperatures on request  
 LCH-041: silver brushed frame on request

### LED drivers

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

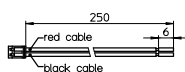
Capacity range W	Output current DC mA	Output voltage DC V	Ref. No.	Version	Current setting	Dimming	Max. service life time (hrs.)	Dimensions: mm (LxWxH)
<b>700 mA</b>								
5.6	700	2.8-8	<b>186348</b>	Easyline	—	—	50,000	81.6x42.5x23
17.5	700	2-25	<b>186681</b>	ComfortLine	—	—	100,000	128x37x28
<b>350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

### Cable set

Leads: Cu tinned, stranded conductors AWG22,  
 PVC-insulation, lengths: 250 mm

Ref. No.: **561868**



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

## Revo S 12 V DC

### Complete LEDSpot equipped with optics, heat sink, leads and frame

Homogeneous light field, no individual light points visible.

#### Technical notes

Rectangular frame: metal, silver

For cut-out: 67.5x25x5 mm

LEDSpot with 9 LEDs

Beam angle: 70°

CRI R<sub>a</sub>: 80

Leads: Cu tinned, stranded conductors AWG22,

PVC-insulation, length: 200 mm

Use of external LED constant-voltage converter

Snap-in clips for easy installation

Degree of protection: IP20

Allowed ambient temperature: 0 to 40 °C

Allowed storage temperature: -30 to 60 °C

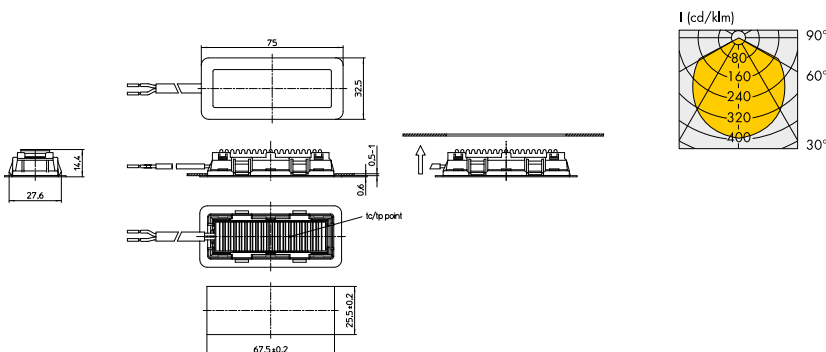
Lumen maintenance L70/B50:

50,000 hrs. (t<sub>c</sub>/t<sub>p</sub> = 70 °C)

Max. operating temperature at t<sub>c</sub>/t<sub>p</sub> point: 90 °C

Weight: 30 g

Packaging unit: 162 pcs.



Type	Description	Ref. No.	Colour	Correlated colour temperature K	Max. power consumption W	Typ. luminous flux* lm	Typ. CRI R <sub>a</sub>	Beam angle °	Light intensity Candela	Energy efficiency
LCH048	Revo S - 3528	<b>569279</b>	neutral white	3700...4200	2.5	220	80	70	80	A++

\* Production tolerance of luminous flux, voltage and power consumption: ±10% | Further colour temperatures on request

#### 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
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.

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## Revo TW – 12 V DC

### Complete LEDSpot equipped with optics, leads and frame

With dynamic colour temperature

#### Technical notes

CA system control

Rectangular frame LCH-046: metal, silver

For cut-out: 67.5x25x5 mm

LEDSpot with 6 LEDs

Beam angle: 60°

CRI R<sub>a</sub>: 80

Leads: Cu tinned, stranded conductors AWG22,

PVC-insulation, length: 200 mm

Use of external LED constant-voltage converter

Snap-in clips for easy installation

Degree of protection: IP20

Allowed ambient temperature: 0 to 40 °C

Allowed storage temperature: -30 to 60 °C

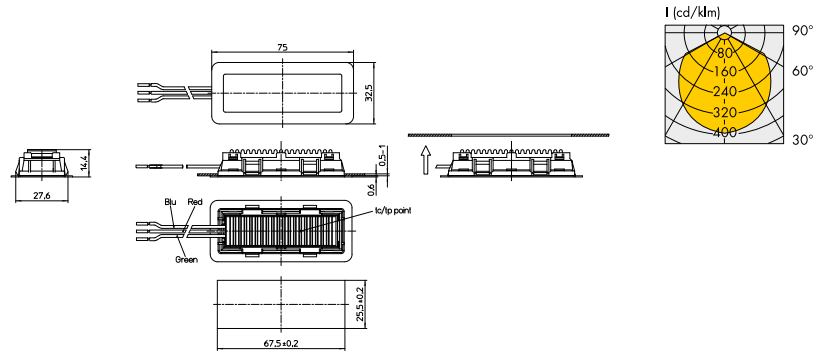
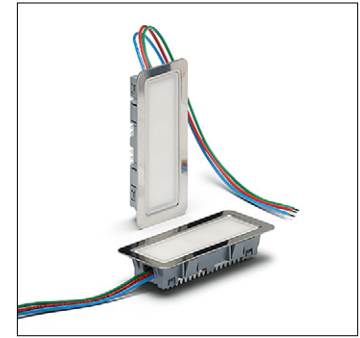
Lumen maintenance L70/B50:

50,000 hrs. (t<sub>c</sub>/t<sub>p</sub> = 70 °C)

Max. operating temperature at t<sub>c</sub>/t<sub>p</sub> point: 90 °C

Weight: 20 g

Packaging unit: 162 pcs.



Type	Description	Ref. No.	Colour	Correlated colour temperature K	Max. power consumption W	Typ. luminous flux* lm	Typ. CRI R <sub>a</sub>	Beam angle °	Light intensity Candela	Energy efficiency
LCH-46	Revo TW	<b>569284</b>	warm white	2700	2	120	80	60	55	A+
			neutral white	4000		135			65	

\* Production tolerance of luminous flux, voltage and power consumption: ±10% | Further colour temperatures on request

### LED converter

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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
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.

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## Revo – 24 V DC and 12 V DC

**Complete LEDSpot equipped with optics, leads and frame**

### Technical notes

Rectangular frame LCH-037/LCH-034: plastics  
 Rectangular frame LCH-038/LCH-035: metal, silver  
 For cut-out: 67.5x25x5 mm

LEDSpot with 3 LEDs

Beam angle: 60°

CRI R<sub>a</sub>: 80

Use of external LED constant-voltage converter

Snap-in clips for easy installation

Degree of protection: IP20

(LCH-037/LCH-034: IP44 front part)

Allowed ambient temperature: 0 to 40 °C

Allowed storage temperature: -30 to 60 °C

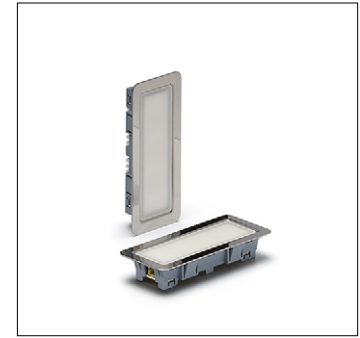
Lumen maintenance L70/B50:

50,000 hrs. (t<sub>c</sub>/t<sub>p</sub> = 70 °C)

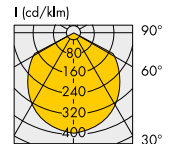
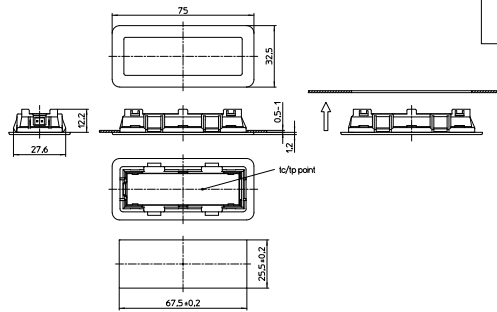
Max. operating temperature at t<sub>c</sub>/t<sub>p</sub> point: 90 °C

Weight: 20 g

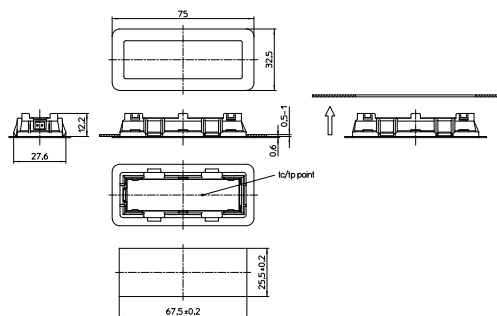
Packaging unit: 162 pcs.



### LCH-037/LCH-034



### LCH-038/LCH-035



Type	Description	Ref. No.	Colour	Correlated colour temperature	Max. power consumption	Typ. luminous flux*	Typ. CRI R <sub>a</sub>	Beam angle °	Light intensity Candela	Energy efficiency
<b>Revo 24 V</b>										
LCH037	Revo P -757	<b>566617</b>	warm white	2870...3220	1.3	130	80	60	50	A++
LCH038	Revo - 757	<b>566619</b>	warm white	2870...3220	1.3	130	80	60	50	A++
LCH038	Revo - 757	<b>on request</b>	neutral white	3710...4260	1.3	140	80	60	55	A++
<b>Revo 12 V</b>										
LCH034	Revo P -757	<b>on request</b>	warm white	2870...3220	1.3	115	80	60	45	A++
LCH034	Revo P -757	<b>567345</b>	neutral white	3710...4260	1.3	125	80	60	50	A++
LCH035	Revo - 757	<b>564831</b>	neutral white	3710...4260	1.3	125	80	60	50	A++

\* Production tolerance of luminous flux, voltage and power consumption: ±10% | Further colour temperatures on request

### Cable set

Leads: Cu tinned, stranded conductors AWG22,

PVC-insulation, lengths: 250 mm

**Ref. No.: 561868**



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## Revo – 24 V DC and 12 V DC

### LED converter

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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.

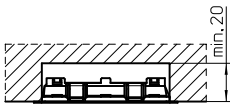
## Revo – Installation Instruction

### General safety information

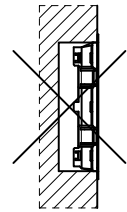
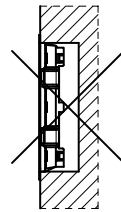
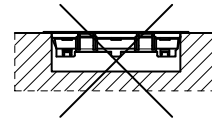
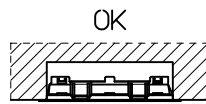
- VS product may only be installed and commissioned by authorised and fully qualified staff.
- These instructions must be carefully read before installing and commissioning the system, as this is the only way to ensure safe and correct handling.
- An external converter in 12 V DC or 24 V DC or an external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



### Korrekte Position

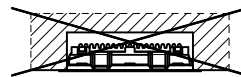


### Revo with heat sink

### 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



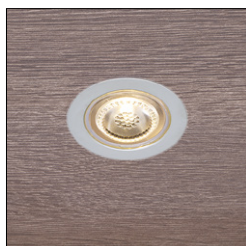
### StartLine

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



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