

LEDSPOTS CC

EVOLVE 50 – GEN. 2



NEW MODULAR LED SPOTS AND ENGINES FOR MULTIPLE OPTICS CONFIGURATIONS

One of the main characteristics of these LED spots and engines is their flexibility. The modularity of these LED engines allows you to combine different lenses and reflectors in order to get the result you expect.

Moreover, with its easy to fit technology you connect optics or reflectores in a blink of an eye – just click it in.

Typical applications for LEDSpots

Integration in luminaires

- Residential lighting
- Retail lighting
- Hospitality lighting
- Museum lighting

Evolve 50 – Gen. 2

■ **MODULAR SYSTEM: ENGINE + OPTICS**

■ **NARROW COLOUR TOLERANCES:
2 STEP MACADAM (S124)**

■ **COLOUR RENDERING INDEX:
CRI 80 AND CRI 95**

■ **LUMINOUS FLUX: UP TO 1750 LM**

■ **MADE IN ITALY**



LED Engines for Evolve 50 and Active PLUS

LEDSpot engine equipped with LED module, holder, thermal pad, heat sink and leads but without reflector or optics

Technical notes

For optics Evolve and reflectors PLUS

Optics fixation: click-in

Heat sink material: aluminium

Lumen maintenance:

L90/B10 (S124) or L90/B20 (7.2/9.2);

50,000 hrs. at max. allowed operation current and

75 °C at t_p point

Temperature depends on installation situation and has to be checked by the luminaire manufacturer.

Colour accuracy initially: 2 SDCM (S124);

3 SDCM (7.2/9.2)

Leads: Cu tinned, stranded conductors 0.5 mm²,

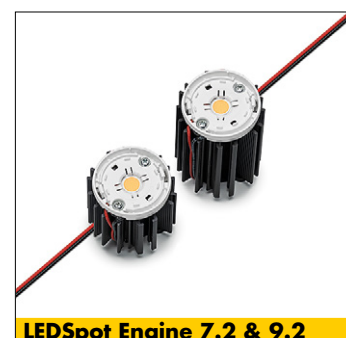
length: 200 mm, stripped lead ends (with plug on request)

With integrated cord grip

Packaging unit: see page 11



LEDSpot Engine S124



LEDSpot Engine 7.2 & 9.2

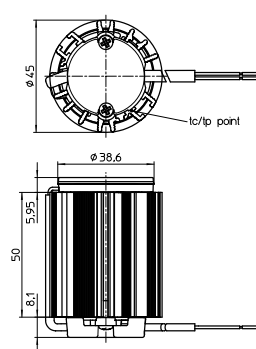
Maximum ratings

Exceeding the maximum ratings can lead to reduction of service life or destruction of the modules.

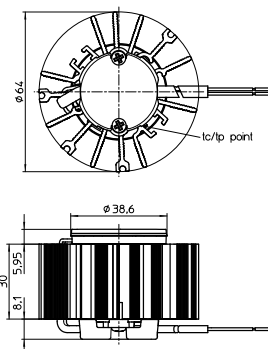
Type	Ambient temperature range (t_a)		Operation temp. at t_c point with max. current		Storage temperature range		Max. allowed repetitive peak current
	°C min.	°C max.	°C min.	°C max.	°C min.	°C max.	mA
S124	-20	+45	-25	+90	-40	+90	800
7.2/9.2	-20	+45	-25	+90	-40	+90	1000

Temperatures depend on installation situation and has to be checked by the luminaire manufacturer.

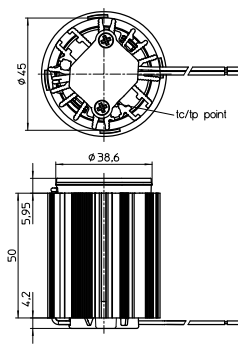
A – Engine S124



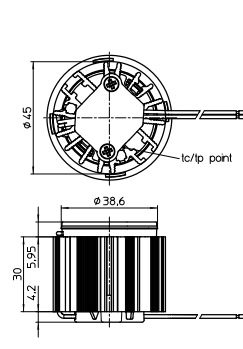
B – Engine S124



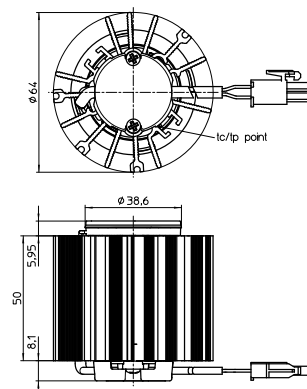
C – Engine 9.2



D – Engine 7.2



E – Engine Halo



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

LED Engines for Evolve 50 and Active PLUS

Electrical characteristics

Type	50 mA P _{el} (W)	V _f (V)	250 mA P _{el} (W)	V _f (V)	300 mA P _{el} (W)	V _f (V)	350 mA P _{el} (W)	V _f (V)	500 mA P _{el} (W)	V _f (V)
Engine S124	—	—	8.3	33.4	10.2	33.8	12.0	34.3	—	—
Engine 9.2	—	—	4.1	16.5	5.0	16.7	6.1	17.3	8.9	17.85
Engine 7.2	—	—	4.1	16.5	5.0	16.7	6.1	17.3	—	—
Engine Halo	1.6	31.4	—	—	—	—	12.9	37	—	—

Voltage and power tolerance: ± 10%

Optical characteristics

at T_p 70 °C

Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and efficiency at				CRI	Energy efficiency at max. current
				250 mA lm	lm/W	300 mA lm	lm/W	R _a	

LEDSpot Engine S124 up to 300 mA – Drawing A

Engine S124W@300mA	569135	warm white	2700	1195	144	1410	138	82	A++
Engine S124W@300mA	569136	warm white	3000	1035	125	1215	119	95	A++
Engine S124W@300mA	569137	neutral white	4000	1135	137	1330	130	95	A++

Production tolerance of luminous flux and efficiency: ± 10%

Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and efficiency at						CRI	Energy efficiency at max. current
				250 mA lm	lm/W	300 mA lm	lm/W	350 mA lm	lm/W	R _a	

LEDSpot Engine S124 up to 350 mA – Drawing B

Engine S124W@350mA	569138	warm white	2700	1195	144	1410	138	1615	135	82	A++
Engine S124W@350mA	569139	warm white	3000	1035	125	1215	119	1395	116	95	A++
Engine S124W@350mA	569140	neutral white	4000	1135	137	1330	130	1520	127	95	A++

Production tolerance of luminous flux and efficiency: ± 10%

Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and efficiency at				CRI	Energy efficiency at max. current
				350 mA lm	lm/W	500 mA lm	lm/W	R _a	

LEDSpot Engine 9.2 – Drawing C

Engine 9.2 500mA	567038	warm white	2700	775	127	1070	120	80	A++
Engine 9.2 500mA	567040	warm white	3000	805	132	1120	126	80	A++
Engine 9.2 500mA	567041	neutral white	4000	835	137	1160	130	80	A++

LEDSpot Engine 7.2 – Drawing D

Engine 7.2 350mA	567032	warm white	2700	775	127	—	—	80	A++
Engine 7.2 350mA	567033	warm white	3000	805	132	—	—	80	A++
Engine 7.2 350mA	567034	neutral white	4000	835	137	—	—	80	A++

Production tolerance of luminous flux and efficiency: ± 10%

Type	Ref. No.		Colour	Correlated colour temperature K	Typ. luminous flux and colour temperature at				CRI	Energy efficiency at max. current
	without connector	with connector			50 mA lm	K	350 mA lm	K	R _a	

LEDSpot Engine Halo – Drawing E

Engine Halo 350mA	569772	569773	warm white	3000 → 2000	130	2000	1200	3000	90	A+
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Production tolerance of luminous flux and efficiency: ± 10%

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Lenses Evolve 50 for LED Engines

Technical notes

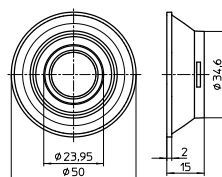
For click-in fixation on holders Easy

Diameter: 50 mm

Material: PC

Operating temperature: -25 to 90 °C

Storage temperature: -40 to 90 °C



Ref. No.	For LED modules	Beam angle [°]	Cover	Optical efficiency [%]	Weight g
603672	S124, 9.2, 7.2, Halo*	14	—	87	15
603673	S124, 9.2, 7.2, Halo*	25	—	86	15
603674	S124, 9.2, 7.2, Halo*	34	—	89	15
604879	S124, 9.2, 7.2, Halo*	55	—	86	15

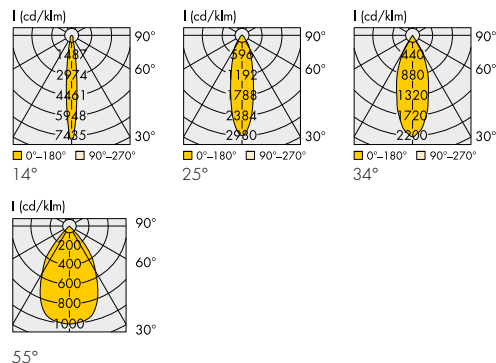
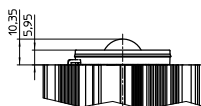
* In addition with mixing chamber

*Mixing Chamber for Halo

Material: PC

Fixation: click-in

Ref. No.: 604024

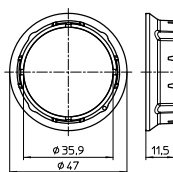


Flange Evolve

To reduce light leakage (optional)

Material: PBT, black

Ref. No.: 603681



Reflectors PLUS for LED Engines

Technical notes

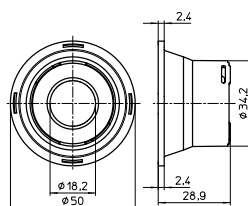
For click-in fixation on holders Easy

Diameter: 50 mm

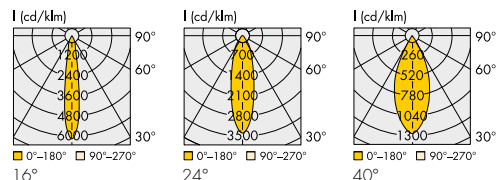
Material: PC

Operating temperature: -25 to 90 °C

Storage temperature: -40 to 90 °C



Ref. No.	For LED modules	Beam angle [°]	Cover	Optical efficiency [%]	Weight g
603685	S124, 9.2, 7.2	16	Clear	87	10
603687	S124, 9.2, 7.2	24	Clear	86	10
604919	S124, 9.2, 7.2	40	Clear	87	10
603686	S124, 9.2, 7.2, Halo	19	Frost	86	10
603688	S124, 9.2, 7.2, Halo	26	Frost	85	10
604920	S124, 9.2, 7.2, Halo	42	Frost	85	10

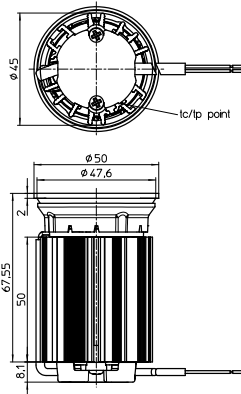


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Evolve 124 – up to 300 mA

Technical notes

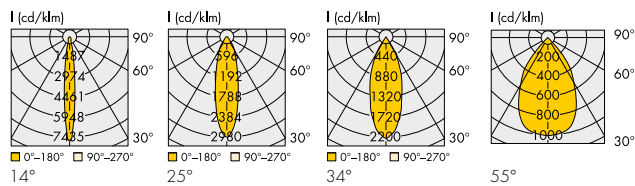
Lens: Ø 50 mm, heat sink material: aluminium
 Lumen maintenance: L90/B10; 50,000 hrs. 75 °C at t_p point
 Max. operating temperature at t_c point: 90 °C
 Temperature depends on installation situation and has to be checked by the luminaire manufacturer.
 Colour accuracy initially: 2 SDCM
 Plastic clear cover to protect reflector (opaque cover on request)
 Leads: Cu tinned, stranded conductors 0.5 mm²,
 length: 200 mm, stripped lead ends (with plug on request)
 With integrated cord grip
 Packaging unit: 45 pcs.



Electrical characteristics

Type	250 mA		300 mA	
	P_{el} (W)	V_f (V)	P_{el} (W)	V_f (V)
S124	8.3	33.4	10.2	33.8

Voltage and power tolerance: $\pm 10\%$



Type	Ref. No.	Colour	Correlated colour temp. (K)	Typ. luminous flux and efficiency at						Light intensity at max. current Candela	CRI R _a	Beam angle °	Energy efficiency at max. current
Warm white – 2700 K													
Evolve 50 S124W 27K	569116	warm white	2700	1055	127	1245	122	—	—	9200	82	14	A++
Evolve 50 S124W 27K	569117	warm white	2700	1045	126	1230	121	—	—	3620	82	25	A++
Evolve 50 S124W 27K	569118	warm white	2700	1080	130	1275	125	—	—	2790	82	34	A++
Evolve 50 S124W 27K	569363	warm white	2700	1080	130	1275	125	—	—	1100	82	55	A++
Warm white – 3000 K													
Evolve 50 S124W 30K	569119	warm white	3000	915	110	1075	105	—	—	7920	95	14	A+
Evolve 50 S124W 30K	569120	warm white	3000	905	109	1060	104	—	—	3100	95	25	A+
Evolve 50 S124W 30K	569121	warm white	3000	935	113	1100	108	—	—	2400	95	34	A+
Evolve 50 S124W 30K	569364	warm white	3000	935	113	1100	108	—	—	950	95	55	A+
Neutral white – 4000 K													
Evolve 50 S124W 40K	569122	neutral white	4000	1000	120	1175	115	—	—	8500	95	14	A++
Evolve 50 S124W 40K	569123	neutral white	4000	990	119	1160	114	—	—	3050	95	25	A++
Evolve 50 S124W 40K	569124	neutral white	4000	1025	123	1200	118	—	—	2580	95	34	A++
Evolve 50 S124W 40K	569365	neutral white	4000	1025	123	1200	118	—	—	1035	95	55	A++

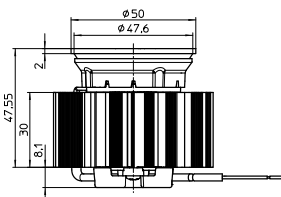
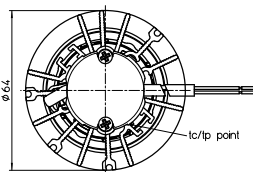
Production tolerance of luminous flux and efficiency: $\pm 10\%$

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Evolve 124 – up to 350 mA

Technical notes

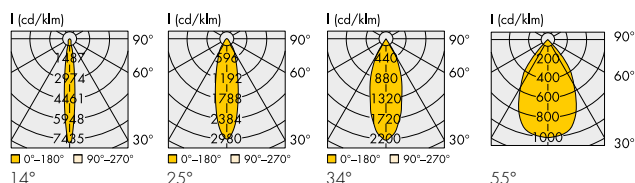
Lens: Ø 50 mm, heat sink material: aluminium
 Lumen maintenance: L90/B10; 50,000 hrs. 75 °C at t_p point
 Max. operating temperature at t_c point: 90 °C
 Temperature depends on installation situation and has to be checked by the luminaire manufacturer.
 Colour accuracy initially: 2 SDCM
 Plastic clear cover to protect reflector (opaque cover on request)
 Leads: Cu tinned, stranded conductors 0.5 mm²,
 length: 200 mm, stripped lead ends (with plug on request)
 With integrated cord grip
 Packaging unit: 24 pcs.



Electrical characteristics

Type	250 mA		300 mA		350 mA	
	P_{el} (W)	V_f (V)	P_{el} (W)	V_f (V)	P_{el} (W)	V_f (V)
S124	8.3	33.4	10.2	33.8	12.0	34.3

Voltage and power tolerance: $\pm 10\%$



Type	Ref. No.	Colour	Correlated colour temp. (K)	Typ. luminous flux and efficiency at						Light intensity at max. current	CRI	Beam angle °	Energy efficiency at max. current
				250 mA	300 mA	350 mA							
				lm	lm/W	lm	lm/W	lm	lm/W	Candela	R _a		
Warm white – 2700 K													
Evolve 50 S124W 27K	569125	warm white	2700	1055	127	1245	122	1425	119	10500	82	14	A++
Evolve 50 S124W 27K	569126	warm white	2700	1045	126	1230	121	1410	118	4150	82	25	A++
Evolve 50 S124W 27K	569127	warm white	2700	1080	130	1275	125	1460	122	3200	82	34	A++
Evolve 50 S124W 27K	569366	warm white	2700	1080	130	1275	125	1460	122	1260	82	55	A++
Warm white – 3000 K													
Evolve 50 S124W 30K	569128	warm white	3000	915	110	1075	105	1230	103	9050	95	14	A+
Evolve 50 S124W 30K	569129	warm white	3000	905	109	1060	104	1215	101	3550	95	25	A+
Evolve 50 S124W 30K	569130	warm white	3000	935	113	1100	108	1260	105	2750	95	34	A+
Evolve 50 S124W 30K	569367	warm white	3000	935	113	1100	108	1260	105	1080	95	55	A+
Neutral white – 4000 K													
Evolve 50 S124W 40K	569131	neutral white	4000	1000	120	1175	115	1345	112	9750	95	14	A+
Evolve 50 S124W 40K	569132	neutral white	4000	990	119	1060	104	1330	111	3850	95	25	A+
Evolve 50 S124W 40K	569133	neutral white	4000	1025	123	1200	118	1375	115	2950	95	34	A+
Evolve 50 S124W 40K	569368	neutral white	4000	1025	123	1200	118	1375	115	1180	95	55	A+

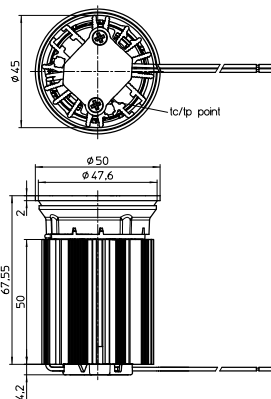
Production tolerance of luminous flux and efficiency: $\pm 10\%$

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Evolve 9.2

Technical notes

Lens: Ø 50 mm, heat sink material: aluminium
 Lumen maintenance: L90/B20; 50,000 hrs. 75 °C at t_p point
 Max. operating temperature at t_c point: 90 °C
 Temperature depends on installation situation and has to be checked by the luminaire manufacturer.
 Colour accuracy initially: 3 SDCM
 Plastic clear cover to protect reflector (opaque cover on request)
 Leads: Cu tinned, stranded conductors 0.5 mm²,
 length: 200 mm, stripped lead ends (with plug on request)
 With integrated cord grip
 Packaging unit: 45 pcs.

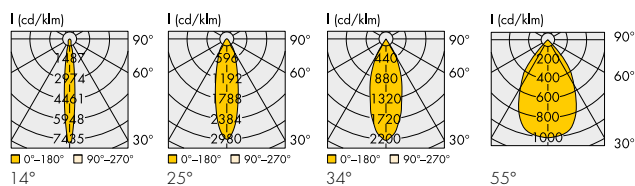


Evolve 9.2

Electrical characteristics

Type	350 mA		500 mA	
	P_{el} [W]	V_f [V]	P_{el} [W]	V_f [V]
9.2	6.1	17.3	8.9	17.85

Voltage and power tolerance: $\pm 10\%$



Type	Ref. No.	Colour	Correlated colour temp. K	Typ. luminous flux and efficiency at				Light intensity at max. current Candela	CRI R _a	Beam angle °	Energy efficiency at max. current
				350 mA lm	lm/W	500 mA lm	lm/W				
Warm white – 2700 K											
Evolve 9.2 27K	567138	warm white	2700	685	112	950	107	6810	80	14	A+
Evolve 9.2 27K	567139	warm white	2700	675	111	940	106	3070	80	25	A+
Evolve 9.2 27K	567140	warm white	2700	700	115	970	109	2020	80	35	A+
Evolve 9.2 27K	569807	warm white	2700	700	115	970	109	2020	80	55	A+
Warm white – 3000 K											
Evolve 9.2 30K	567141	warm white	3000	710	116	990	111	7100	80	14	A++
Evolve 9.2 30K	567142	warm white	3000	705	116	975	110	3200	80	25	A++
Evolve 9.2 30K	567143	warm white	3000	725	119	1010	114	2100	80	35	A++
Evolve 9.2 30K	569808	warm white	3000	725	119	1010	114	2100	80	55	A++
Neutral white – 4000 K											
Evolve 9.2 27K	567144	neutral white	4000	740	121	1025	115	7390	80	14	A++
Evolve 9.2 30K	567145	neutral white	4000	730	120	1015	114	3330	80	25	A++
Evolve 9.2 40K	567146	neutral white	4000	760	125	1050	118	2190	80	35	A++
Evolve 9.2 30K	569809	neutral white	4000	760	125	1050	118	2190	80	55	A++

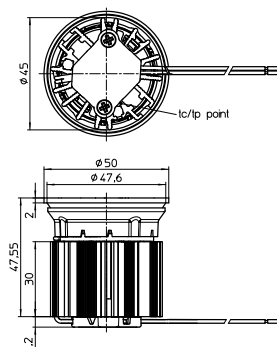
Production tolerance of luminous flux and efficiency: $\pm 10\%$

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Evolve 7.2

Technical notes

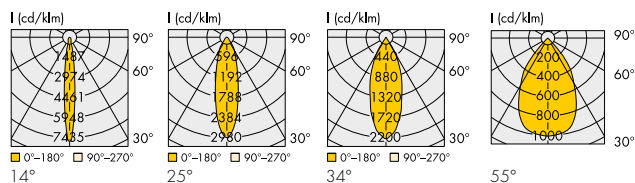
Lens: Ø 50 mm, heat sink material: aluminium
 Lumen maintenance: L90/B20; 50,000 hrs. 75 °C at t_p point
 Max. operating temperature at t_c point: 90 °C
 Temperature depends on installation situation and has to be checked by the luminaire manufacturer.
 Colour accuracy initially: 3 SDCM
 Plastic clear cover to protect reflector (opaque cover on request)
 Leads: Cu tinned, stranded conductors 0.5 mm²,
 length: 200 mm, stripped lead ends (with plug on request)
 With integrated cord grip
 Packaging unit: 45 pcs.



Electrical characteristics

Type	350 mA
P _{el} [W]	V _f [V]
7.2	6.1 17.3

Voltage and power tolerance: ± 10%



Type	Ref. No.	Colour	Correlated colour temp. K	Typ. luminous flux and efficiency at 350 mA		500 mA		Light intensity at max. current Candela	CRI R _a	Beam angle °	Energy efficiency at max. current
Warm white – 2700 K											
Evolve 7.2 27K	567129	warm white	2700	685	112	—	—	5000	80	14	A++
Evolve 7.2 27K	567130	warm white	2700	675	111	—	—	2200	80	25	A++
Evolve 7.2 27K	567131	warm white	2700	700	115	—	—	1500	80	35	A++
Evolve 7.2 27K	569804	warm white	2700	700	115	—	—	660	80	55	A++
Warm white – 3000 K											
Evolve 7.2 30K	567132	warm white	3000	710	116	—	—	5200	80	14	A++
Evolve 7.2 30K	567133	warm white	3000	705	116	—	—	2300	80	25	A++
Evolve 7.2 30K	567134	warm white	3000	725	119	—	—	1550	80	35	A++
Evolve 7.2 27K	569805	warm white	3000	725	119	—	—	680	80	55	A++
Neutral white – 4000 K											
Evolve 7.2 40K	567135	neutral white	4000	740	121	—	—	5400	80	14	A++
Evolve 7.2 40K	567136	neutral white	4000	730	120	—	—	2400	80	25	A++
Evolve 7.2 40K	567137	neutral white	4000	760	125	—	—	1610	80	35	A++
Evolve 7.2 27K	569806	neutral white	4000	760	125	—	—	710	80	55	A++

Production tolerance of luminous flux and efficiency: ± 10%

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Evolve Halo

Dim2Warm

Technical notes

Lens: Ø 50 mm

Heat sink material: aluminium

Lumen maintenance: L70/B10; 30,000 hrs. 65 °C (350 mA)
at t_p point

Max. operating temperature at t_c point: 75 °C at 350 mA

Temperature depends on installation situation and has to be checked by the luminaire manufacturer.

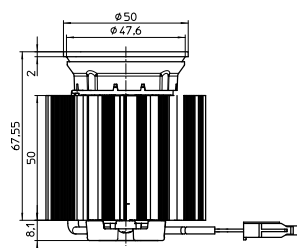
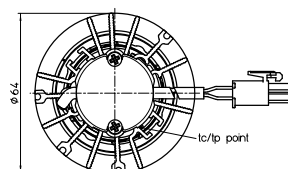
Colour accuracy initially: 3 SDCM

Leads: Cu tinned, stranded conductors 0.5 mm²,
length: 200 mm, with plug

With integrated cord grip

Weight: 160 g

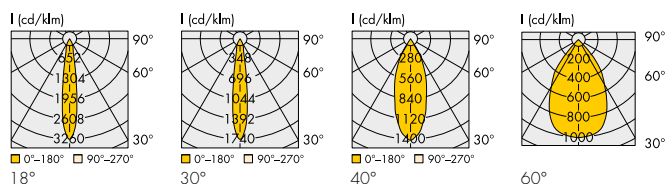
Packaging unit: 28 pcs.



Electrical characteristics

Type	50 mA		350 mA	
	P_{el} [W]	V_f [V]	P_{el} [W]	V_f [V]
Evolve HALO	1.6	31.4	12.9	37

Voltage and power tolerance: $\pm 10\%$



Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and colour temperature at				Light intensity at max. current Candela	CRI R_a	Beam angle °	Energy efficiency at max. current
				50 mA lm	2000 K	350 mA lm	3000 K				

Evolve HALO – Warm white

Evolve HALO	on request	warm white	3000 → 2000	115	2000	1060	3000	3400	90	18	A+
Evolve HALO	on request	warm white	3000 → 2000	110	2000	1040	3000	1800	90	30	A+
Evolve HALO	on request	warm white	3000 → 2000	120	2000	1090	3000	1520	90	40	A+
Evolve HALO	on request	warm white	3000 → 2000	120	2000	1090	3000	950	90	60	A+

Production tolerance of luminous flux: $\pm 10\%$

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LED Drivers

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	Current setting	Dimming	Max. service life		Dimensions (LxWxH) mm	For type		
							Std.	at t _c °C		7.2	9.2	S124W
250 mA												
5.0–10.0	250	20–40*	186710	EasyLine	—	Phase cutting	50,000	65*	115x45x25			x
5.0–10.0	250	20–40*	186708	EasyLine	—	—	50,000	65*	115x45x25			x
6.25–10.5	250	25–42	186843	ComfortLine	Dip switch	—	50,000	70	97x43x30			x
6.25–10.75	250	25–43	186650	ComfortLine	LEDSet	—	100,000	70	97x43x30			x
6.25–10.75	250	25–43	186664	ComfortLine	LEDSet	—	100,000	70	97x43x30			x
6.75–12.0	250	27–48	186449	EasyLine	—	Phase cutting	50,000	60	122.8x45x19			x
300 mA												
3.0–16.2	300	10–54	186762	PrimeLine	Dip switch	DALI	100,000	75	97.2x43.2x30.1	x	x	x
3.0–16.2	300	10–54	186763	PrimeLine	Dip switch	DALI	100,000	75	146.5x43.2x30.1	x	x	x
6.0–12.0	300	20–40*	186711	EasyLine	—	Phase cutting	50,000	65*	115x45x25			x
6.0–12.0	300	20–40*	186709	EasyLine	—	—	50,000	65*	115x45x25			x
7.5–12.9	300	25–43	186650	ComfortLine	LEDSet	—	100,000	70	97x43x30			x
7.5–12.9	300	25–43	186664	ComfortLine	LEDSet	—	100,000	70	97x43x30			x
350 mA												
0.7–11.2	350	2–32	186679	ComfortLine	—	—	50,000	70	128x37x28	x	x	
1.05–8.75	350	3–25	186519	ComfortLine	—	—	50,000	80	65x30.7x21.5	x	x	
2.95–12.6	350	8.4–36	186341	EasyLine	—	—	50,000	65	122.8x45x19	x	x	x
3.5–18.9	350	10–54	186762	PrimeLine	Dip switch	DALI	100,000	75	97.2x43.2x30.1	x	x	x
3.5–18.9	350	10–54	186763	PrimeLine	Dip switch	DALI	100,000	75	146.5x43.2x30.1	x	x	x
4.9–11.9	350	14–34	186563	PrimeLine	LEDSet	DALI	100,000	65	103.6x67.4x31	x	x	x
5.25–16.1	350	15–46	186719	EasyLine	—	—	50,000	70	97.1x42x6x30.3	x	x	x
5.25–16.1	350	15–46	186720	EasyLine	—	—	50,000	70	146.5x43.7x30	x	x	x
5.6–19.95	350	16–57	186431	EasyLine	—	—	50,000	65	122.8x45x19	x	x	x
7.0–19.95	350	20–57	186581	ComfortLine	Terminals	1–10 V	50,000	80	103.6x67.4x31			x
8.05–16.1	350	23–46	186917	EasyLine	—	—	30,000	75	122.8x45x19			x
8.75–14.7	350	25–42	186843	ComfortLine	Dip switch	—	50,000	70	97x43x30			x
8.75–15.05	350	25–43	186650	ComfortLine	LEDSet	—	100,000	70	97x43x30			x
8.75–15.05	350	25–43	186664	ComfortLine	LEDSet	—	100,000	70	97x43x30			x
10.5–15.05	350	30–43	186591	EasyLine	—	—	30,000	65	115x45x25			x
400 mA												
4.0–21.6	400	10–54	186762	PrimeLine	Dip switch	DALI	100,000	75	97.2x43.2x30.1		x	on request
4.0–21.6	400	10–54	186763	PrimeLine	Dip switch	DALI	100,000	75	146.5x43.2x30.1		x	on request
10.0–17.2	400	25–43	186650	ComfortLine	LEDSet	—	100,000	70	97x43x30			on request
10.0–17.2	400	25–43	186664	ComfortLine	LEDSet	—	100,000	70	97x43x30			on request
10.0–17.2	400	25–43	186846	ComfortLine	Terminals	—	100,000	70	97x43x30			on request
500 mA												
1.0–16.0	500	2–32	186680	ComfortLine	—	—	50,000	70	128x37x28		x	
2.0–12.0	500	4–24	186508	EasyLine	—	—	50,000	60	122.8x45x19		x	
4.0–15.0	500	8–30	186349	EasyLine	—	—	50,000	65	122.8x45x19		x	
5.0–27.0	500	10–54	186762	PrimeLine	Dip switch	DALI	100,000	75	97.2x43.2x30.1		x	
5.0–27.0	500	10–54	186763	PrimeLine	Dip switch	DALI	100,000	75	146.5x43.2x30.1		x	
6.5–10	500	13–20	186448	EasyLine	—	Phase cutting	50,000	60	122.8x45x19		x	
7.5–23.0	500	15–46	186721	EasyLine	—	—	50,000	70	97.1x42x6x30.3		x	
7.5–23.0	500	15–46	186722	EasyLine	—	—	50,000	70	146.5x43.7x30		x	

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

* preliminary

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LEDSpots Evolve 50

General information

Performance acc. to IEC 62717: $t_p = 90\text{ }^{\circ}\text{C}$ (S124) or $t_p = 85\text{ }^{\circ}\text{C}$ (7.2/9.2); 100,000 hrs.

Packaging unit

Type	Packaging unit pcs.	Box dimensions (LxWxH) mm	Weight single (g)	Gross weight packaging unit (g)
Engine S124 - 300mA	45	600x400x80	100	4900
Engine S124 - 350mA	28	600x400x90	110	3480
Engine 7.2	90	600x400x80	80	7600
Engine 9.2	45	600x400x110	100	4900
Engine HALO	28	600x400x90	140	4320
Reflector PLUS	30	370x290x35	10	700
Lenses Evolve 50	30	370x290x35	15	850
Evolve S124 - 300mA	45	600x400x105	110	5350
Evolve S124 - 350mA	24	600x400x90	120	3280
Evolve 7.2	45	600x400x80	90	4450
Evolve 9.2	45	600x400x105	110	5350
Evolve HALO	24	600x400x105	150	4000

Product guarantee

- 5 years
- The conditions for the Product Guarantee of the Vossloh-Schwabe Group shall apply as published on our homepage (www.vossloh-schwabe.com). We will be happy to send you these conditions upon request.

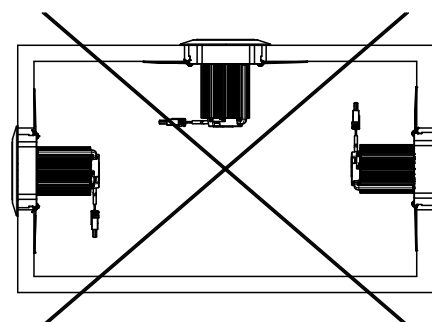
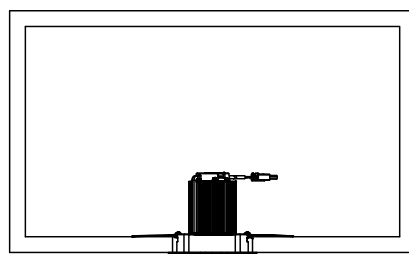
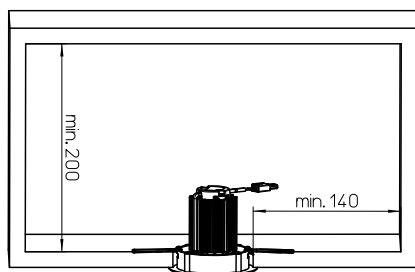
General safety and installation instructions

- 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 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.

Built-in

Correct position

OK



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