

LEDSPOTS ACTIVELINE GEN. 2



LEDSPOTS ACTIVELINE – GENERATION 2

- Replacement for Halogen lamps 50 W and HID lamps 20- 35 W (MR16)
- Built-in spot with heat sink based on LUGA or other COB modules
- Reflector or optics for homogeneous light distribution

Typical applications for LEDSpots

- Replacement of more common lamps (MR16)
- Integration in luminaires (except PRO series)
- Residential lighting
- Retail lighting
- Entertainment



LEDSpots ActiveLine

- **BUILT-IN LEDSPOT WITH A REFLECTOR, HEAT SINK AND LEADS**
- **HEAT SINK MATERIAL: ALUMINIUM**
- **VERSION WITH PLUG ON REQUEST**

ActiveLine LUGA

Built-in LEDSpot equipped with a reflector, heat sink and leads

Technical notes

Reflector: Ø 50 mm

Heat sink material: aluminium

Allowed operating temperature at t_c point:

-40 to 65 °C (L90/B10)

Colour accuracy initially: 3 SDCM;

after 50,000 hrs. operating time: 4 SDCM

Use of external LED constant-current drivers required

The ceramic PCB ensures optimum thermal management

Plastic clear cover to protect reflector

(opaque cover on request)

Version with plug on request



ActiveLine 9.1 / 7.1 / 6.1

Built-in LEDSpot equipped with a reflector, heat sink and leads

Technical notes

Reflector: Ø 50 mm

Heat sink material: aluminium

Allowed operating temperature at t_c point:

-40 to 85 °C (L70/B30)

Colour accuracy: 3 SDCM

Use of external LED constant-current drivers required

Aluminium PCB for optimum thermal management

Plastic clear cover to protect reflector

(opaque cover on request)

Version with plug on request



ActiveLine PRO

Complete LEDSpots equipped with a reflector or optics, heat sink, leads and metal frame

Type and Ref. No. on request



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

ActiveLine LUGA C

Technical notes

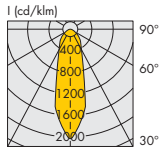
Reflector: Ø 50 mm

Leads: Cu tinned, stranded conductors 0.5 mm²,
FEP-insulation and neoprene sleeve,
length: 200 mm

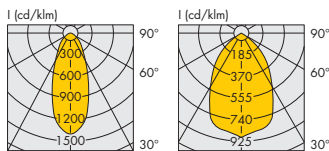
With integrated cord grip

Weight: 300 g

Unit: 35 pcs.

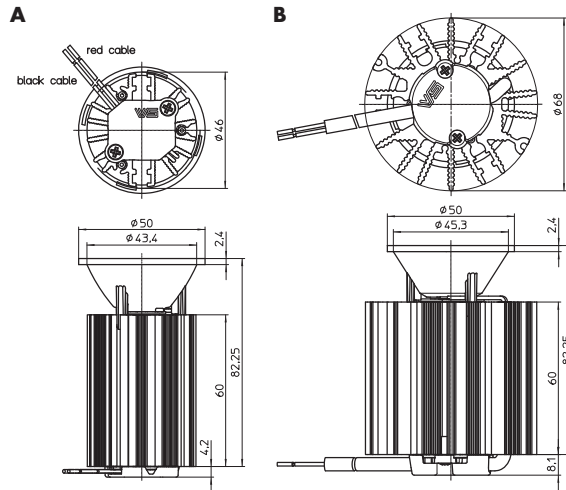


25°



34°

48°



ActiveLine (A) – max. 350 mA



ActiveLine (B) – max. 500 mA

Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and typical voltage (U _{typ.}) and power consumption (P _{el})*		CRI	Light intensity at max. current Candela	Beam angle °	Energy efficiency at max. current	Drawing
				350 mA	500 mA	R _a				
				lm	min.					
Narrow beam angle: 25°				P _{el} = 11 W, U _{typ.} = 31.4 V						
Luga C 115 27K	559388	warm white	2700	1190	–	82	2390	25	A+	A
Luga C 115 30K	559391	warm white	3000	1275	–	85	2560	25	A+	A
Luga C 115 40K	559394	neutral white	4000	1355	–	85	2720	25	A++	A
Luga C 115 30K	559412	warm white	3000	1065	–	95	3220	25	A+	A
Medium beam angle: 34°										
Luga C 115 27K	559389	warm white	2700	1170	–	82	1645	34	A+	A
Luga C 115 30K	559392	warm white	3000	1250	–	85	1755	34	A+	A
Luga C 115 40K	559395	neutral white	4000	1325	–	85	1860	34	A++	A
Luga C 115 30K	559413	warm white	3000	1045	–	95	1465	34	A+	A
Wide beam angle: 48°										
Luga C 115 27K	559390	warm white	2700	1210	–	82	1110	48	A+	A
Luga C 115 30K	559393	warm white	3000	1295	–	85	1185	48	A+	A
Luga C 115 40K	559396	neutral white	4000	1375	–	85	1260	48	A++	A
Luga C 115 30K	559414	warm white	3000	1080	–	95	990	48	A+	A
Narrow beam angle: 25°										
Luga C 115 27K	559397	warm white	2700	1190	1580	82	3165	25	A+	B
Luga C 115 30K	559400	warm white	3000	1275	1685	85	3370	25	A+	B
Luga C 115 40K	559403	neutral white	4000	1355	1795	85	3590	25	A+	B
Luga C 115 30K	559418	warm white	3000	1065	1405	95	2815	25	A+	B
Medium beam angle: 34°										
Luga C 115 27K	559398	warm white	2700	1170	1545	82	2160	34	A+	B
Luga C 115 30K	559401	warm white	3000	1250	1650	85	2310	34	A+	B
Luga C 115 40K	559404	neutral white	4000	1325	1760	85	2460	34	A+	B
Luga C 115 30K	559419	warm white	3000	1045	1380	95	1930	34	A+	B
Wide beam angle: 48°										
Luga C 115 27K	559399	warm white	2700	1210	1600	82	1460	48	A+	B
Luga C 115 30K	559402	warm white	3000	1295	1710	85	1560	48	A+	B
Luga C 115 40K	559405	neutral white	4000	1375	1820	85	1660	48	A+	B
Luga C 115 30K	559420	warm white	3000	1080	1430	95	1310	48	A+	B

* Production tolerance of luminous flux, voltage and power consumption: ± 15%

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ActiveLine LUGA C

Technical notes

Reflector: Ø 50 mm

Leads: Cu tinned, stranded conductors AWG22,

PVC-insulation, length: 200 mm

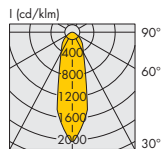
With integrated cord grip

Weight: 145 g

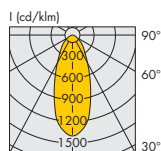
Unit: 45 pcs.



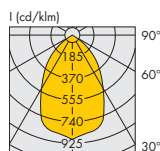
ActiveLine LUGA C 104



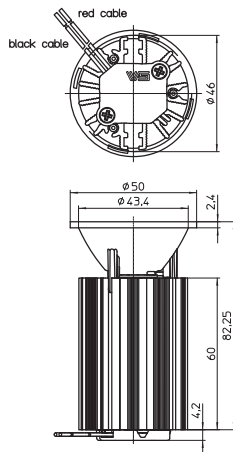
25°



34°



48°



Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and typical voltage (U _{typ.}) and power consumption (P _{el})* 350 mA lm	CRI R _a	Light intensity at max. current Candela	Beam angle °	Energy efficiency at max. current
Narrow beam angle: 25° – LUGA C 104				P _{el} = 10.2 W, U _{typ.} = 29.2 V				
Luga C 104 27K	559379	warm white	2700	1020	82	2050	25	A+
Luga C 104 30K	559382	warm white	3000	1080	85	2170	25	A+
Luga C 104 40K	559385	neutral white	4000	1160	85	2330	25	A++
Luga C 104 30K	559406	warm white	3000	914	95	1850	25	A+
Medium beam angle: 34° – LUGA C 104				P _{el} = 10.2 W, U _{typ.} = 29.2 V				
Luga C 104 27K	559380	warm white	2700	1005	82	1410	34	A+
Luga C 104 30K	559383	warm white	3000	1065	85	1495	34	A+
Luga C 104 40K	559386	neutral white	4000	1145	85	1610	34	A++
Luga C 104 30K	559407	warm white	3000	905	95	1270	34	A+
Wide beam angle: 48° – LUGA C 104				P _{el} = 10.2 W, U _{typ.} = 29.2 V				
Luga C 104 27K	559381	warm white	2700	1045	82	955	48	A+
Luga C 104 30K	559384	warm white	3000	1105	85	1010	48	A+
Luga C 104 40K	559387	neutral white	4000	1190	85	1090	48	A++
Luga C 104 30K	559408	warm white	3000	940	95	860	48	A+

* Production tolerance of luminous flux, voltage and power consumption: ± 15%

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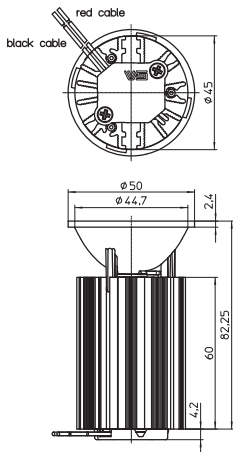
ActiveLine 9.1 & 7.1

Technical notes

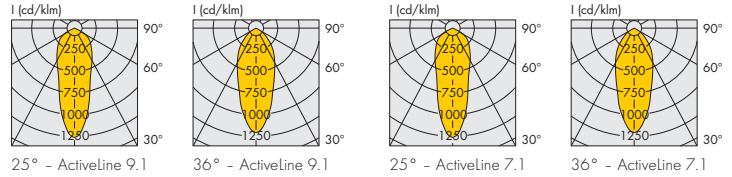
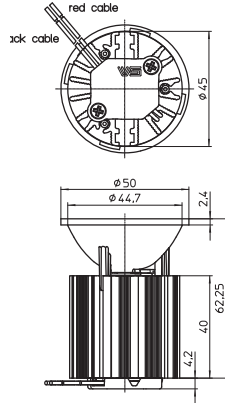
Reflector: Ø 50 mm
 Heat sink material: aluminium
 Leads: Cu tinned, stranded conductors AWG22,
 PVC-insulation, length: 200 mm
 With integrated cord grip
 Weight: 145 g
 Unit: 45 pcs.



ActiveLine 9.1



ActiveLine 7.1



Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and typical voltage (U _{typ.}) and power consumption (P _{el})		CRI	Light intensity at max. current Candela	Beam angle °	Energy efficiency at max. current
				350 mA lm	500 mA lm				
Narrow beam angle: 25° – ActiveLine 9.1				P _{el} = 6.2 W	P _{el} = 9.3 W				
				U _{typ.} = 17.8 V	U _{typ.} = 18.5 V				
ActiveLine 9.1 27K	559442	warm white	2700	580	780	80	1400	25	A+
ActiveLine 9.1 30K	559444	warm white	3000	615	825	80	1430	25	A+
ActiveLine 9.1 40K	559446	neutral white	4000	645	865	80	1540	25	A++
Medium beam angle: 36° – ActiveLine 9.1									
ActiveLine 9.1 27K	559443	warm white	2700	580	780	80	1150	36	A+
ActiveLine 9.1 30K	559445	warm white	3000	615	825	80	1220	36	A+
ActiveLine 9.1 40K	559447	neutral white	4000	645	865	80	1350	36	A++
Narrow beam angle: 25° – ActiveLine 7.1									
ActiveLine 7.1 27K	559436	warm white	2700	580	–	80	1000	25	A+
ActiveLine 7.1 30K	559438	warm white	3000	615	–	80	1075	25	A+
ActiveLine 7.1 40K	559440	neutral white	4000	645	–	80	1150	25	A++
Medium beam angle: 36° – ActiveLine 7.1									
ActiveLine 7.1 27K	559437	warm white	2700	580	–	80	865	36	A+
ActiveLine 7.1 30K	559439	warm white	3000	615	–	80	925	36	A+
ActiveLine 7.1 40K	559441	neutral white	4000	645	–	80	1010	36	A++

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ActiveLine 6.1

Technical notes

Reflector: Ø 50 mm

Heat sink material: aluminium

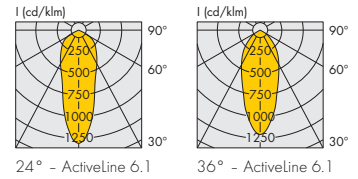
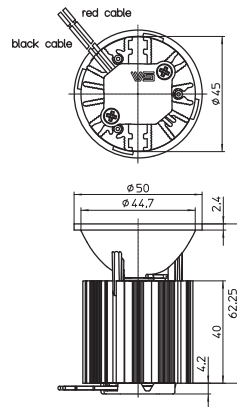
Leads: Cu tinned, stranded conductors AWG22,

PVC-insulation, length: 200 mm

With integrated cord grip

Weight: 145 g

Unit: 45 pcs.



Type	Ref. No.	Colour	Correlated colour temperature K	Typ. luminous flux and typical voltage ($U_{typ.}$) and power consumption (P_{el}) 350 mA lm	CRI R_a	Light intensity at max. current Candela	Beam angle °	Energy efficiency at max. current
Narrow beam angle: 24° – ActiveLine 6.1				$P_{el} = 6.8 \text{ W}, U_{typ.} = 19.4 \text{ V}$				
ActiveLine 6.1 27K	559430	warm white	2700	520	80	950	24	A+
ActiveLine 6.1 30K	559432	warm white	3000	550	80	1010	24	A+
ActiveLine 6.1 40K	559434	neutral white	4000	575	80	1050	24	A+
Medium beam angle: 36° – ActiveLine 6.1								
ActiveLine 6.1 27K	559431	warm white	2700	520	80	800	36	A+
ActiveLine 6.1 30K	559433	warm white	3000	550	80	870	36	A+
ActiveLine 6.1 40K	559435	neutral white	4000	575	80	950	36	A+