

CURLING

Data Sheet

Suspension Tube M LED



CURLING Suspension Tube M LED • clear



CURLING Suspension Tube M LED • reflector: cylindrical opal



CURLING Suspension Tube M LED • reflector: conical opal



CURLING Suspension Tube M LED • opal



CURLING Suspension Tube M LED • opal

Curling perfectly combines sustainable LED technology with elegant and timeless design. Thanks to intelligent design details, Curling functions both as a downlight and a ceiling light and is perfectly suitable for a wide range of applications.

Examples of applications:
Private or commercial spaces. Singly and in series.
For example over worktops, display surfaces, counters, bars, long rows of tables. Also ideal as basic lighting in grid form in convention halls, auditoria, open-plan offices.

Technical data sheet

The delicate glass body is available in clear or opalescent glass or as a clear outer shell with cylindrical or conical inserts. The perfect interplay of the individual design elements means light emission and moods can be perfectly tailored to every interior setting. A special optical insert, attached below the light source with two small magnets, allows for ideal light distribution and soft, glare-free light.

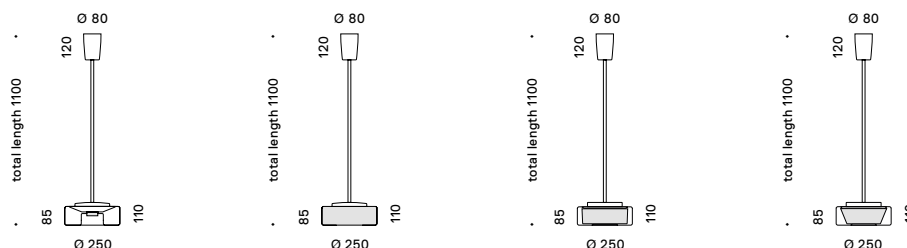
Design da Costa & Wolf

Material & surfaces



Material canopy	aluminum			
Surface canopy	polished			
Suspension	chrome-plated steel tube			
Glass shade	mouth-blown clear	mouth-blown opal	mouth-blown clear	mouth-blown clear
Reflector	optical insert	optical insert	cylindrical opal acrylic glass and optical insert	conical opal acrylic glass and optical insert

Dimensions

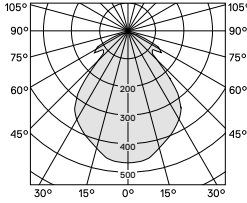
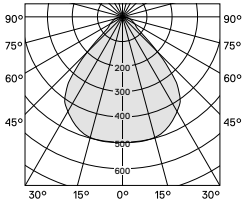
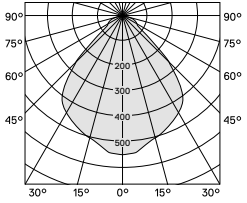
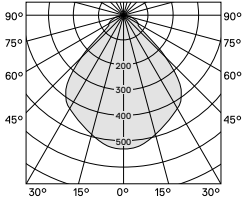


Technical data

Illuminant		LED CoB (The LED circuit board can be replaced by qualified staff)							
Power (nominal value) ¹		13 W	24 W	13 W	24 W	13 W	24 W	13 W	24 W
Luminous flux LED (nominal value) ^{1/}	2700K	1300 lm	2600 lm	1300 lm	2600 lm	1300 lm	2600 lm	1300 lm	2600 lm
Color temperature	3000K	1360 lm	2700 lm	1360 lm	2700 lm	1360 lm	2700 lm	1360 lm	2700 lm
Color rendering index	> 90 CRI (other color rendering indices available on request)								
Operating voltage	primary 220 – 240 V AC, secondary 36 V DC (13 W and 24 W models also available as primary 110 V AC, secondary 36 V DC)								
Control ⁴		TRIAC	DALI 1 – 10 V	TRIAC	DALI 1 – 10 V	TRIAC	DALI 1 – 10 V	TRIAC	DALI 1 – 10 V
Average lifetime LED	50.000 h ²								
Energy efficiency class	A++ to A								
Guarantee	2 years								
Mounting	easy tool-free mounting of glass shade via bayonet catch								
Weight	ca. 2.7 kg								

Photometric data sheet

Depending on the version Curling Suspension combines downwards-directed light with light softly dispersed all round or with light distributed all round. Thanks to a standardized replacement system, the LED circuit board can be replaced by qualified staff at the end of its service life.

			Power (measured value) ¹	Color Temperature	CRI	Luminous flux (measured value) ¹
Curling Suspension Tube M LED Clear glass shade Light: directed downwards, distributed all round			14 W	2700 K	80	1320 lm
				3000 K	90	1150 lm
			28 W	2700 K	80	2640 lm
				3000 K	90	2300 lm
			LOR 89 %			
Curling Suspension Tube M LED Opal glass shade Light: directed downwards, all round softly dispersed			14 W	2700 K	80	1170 lm
				3000 K	90	1020 lm
			28 W	2700 K	80	2330 lm
				3000 K	90	2030 lm
			LOR 78 %			
Curling Suspension Tube M LED Clear glass shade Reflector cylindrical opal Light: directed downwards, all round softly dispersed			14 W	2700 K	80	1170 lm
				3000 K	90	1020 lm
			28 W	2700 K	80	2330 lm
				3000 K	90	2030 lm
			LOR 78 %			
Curling Suspension Tube M LED Clear glass shade Reflector conical opal Light: directed downwards, all round softly dispersed			14 W	2700 K	80	1170 lm
				3000 K	90	1020 lm
			28 W	2700 K	80	2340 lm
				3000 K	90	2040 lm
			LOR 79 %			

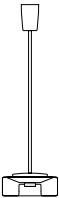
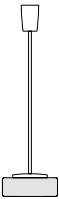
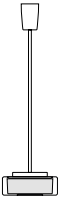
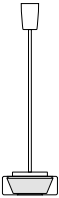
Please note:

You can download the photometric data (EULUMDAT) from <http://serien.com/downloads/>.

All values are rated values. Power and luminous flux are subject to an initial tolerance of +/- 10%.

Tolerance of color temperature: +/-150 K. When not otherwise indicated the values apply for an ambient temperature of 25 °C.

Article numbers

		Output (nominal value) ¹	Control Technology ⁴	CRI ³	Color Temperature ³	Article Number
	Curling Suspension Tube M LED Clear glass shade	13 W	TRIAC	> 90	2700 K	CU1133
					3000 K	CU1137
		24 W	DALI	> 90	2700 K	CU1177
					3000 K	CU1181
			1 – 10 V	> 90	2700 K	CU1141
					3000 K	CU1145
	Curling Suspension Tube M LED Opal glass shade	13 W	TRIAC	> 90	2700 K	CU1136
					3000 K	CU1140
		24 W	DALI	> 90	2700 K	CU1180
					3000 K	CU1184
			1 – 10 V	> 90	2700 K	CU1144
					3000 K	CU1148
	Curling Suspension Tube M LED Clear glass shade Reflector cylindrical opal	13 W	TRIAC	> 90	2700 K	CU1135
					3000 K	CU1139
		24 W	DALI	> 90	2700 K	CU1179
					3000 K	CU1183
			1 – 10 V	> 90	2700 K	CU1143
					3000 K	CU1147
	Curling Suspension Tube M LED Clear glass shade Reflector conical opal	13 W	TRIAC	> 90	2700 K	CU1134
					3000 K	CU1138
		24 W	DALI	> 90	2700 K	CU1178
					3000 K	CU1182
			1 – 10 V	> 90	2700 K	CU1142
					3000 K	CU1146

Assessories

Cover plate Ø 11cm		white	CU1998
		polished aluminum	CU1999
Canopy profile	for two luminaires	polished aluminum	CH1002
	for three luminaires	polished aluminum	CH1005

Recommended dimmers

The following list is the result of internal tests conducted in a controlled environment. However, in some cases there is a possibility that owing to technical specifications (e. g., drivers, cables, switches, etc.) a specific combination of dimmer and LEDs does not work. As such our recommendations do not represent a guarantee.

Curling Suspension Tube M LED	13 W	TRIAC	MERTEN MEG5300-0001 FELLER 40200.LED.EB
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¹ The nominal and measured values given refer to the illuminants employed at the time the data sheet was compiled. Subject to alterations.

² Specified by the manufacturer. serien Raumluchten GmbH assumes no liability for the accuracy of the information.

³ Other versions available on request.

⁴ Control via DALI or 1-10V requires 5-wire mains cable.