CURLING
Data Sheet

Suspension Tube S LED

CURLING Suspension Tube S LED · clear

CURLING Suspension Tube S LED · opal

CURLING Suspension Tube S LED · reflector: cylindrical opal

CURLING Suspension Tube S LED · reflector: conical 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.

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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.

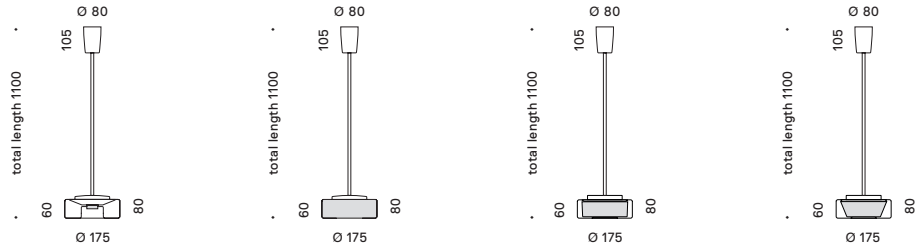
Design da Costa & Wolf

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 (LED unit can be replaced on site)				
Power	11 W				
Luminous flux LED (nominal value)[1]/ Color temperature	2700K	950 lm			
	3000K	1000 lm			
Color rendering index	> 90 CRI (other color rendering indices available on request)				
Operating voltage	primary 220 – 240 V AC, secondary 36 V DC				
Control	TRIAC				
Average lifetime LED	50.000 h[2]				
Energy efficiency class	A++ to A				
Guarantee	2 years				
Features	glass shade mounted tool-free; 110 V versions on request; special lengths on request				
Weight	ca. 1.7 kg				

IP20

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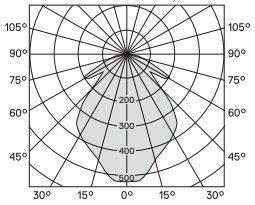
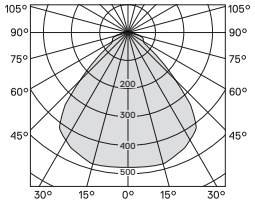
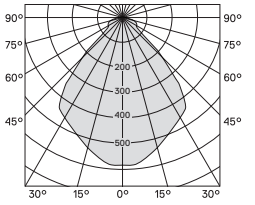
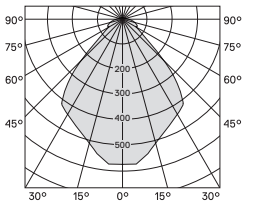
Photometric data sheet

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 S LED Clear glass shade Light: directed downwards, distributed all around		 LOR 85 %	11 W	2700 K	80	950 lm
					90	800 lm
				3000 K	80	1020 lm
					90	820 lm
Curling Suspension Tube S LED Opal glass shade Light: directed downwards, diffuse all around		 LOR 75 %	11 W	2700 K	80	850 lm
					90	700 lm
				3000 K	80	900 lm
					90	750 lm
Curling Suspension Tube S LED Clear glass shade Reflector cylindrical opal Light: directed downwards, diffuse all around		 LOR 75 %	11 W	2700 K	80	850 lm
					90	700 lm
				3000 K	80	900 lm
					90	750 lm
Curling Suspension Tube S LED Clear glass shade Reflector conical opal Light: directed downwards, diffuse all around		 LOR 75 %	11 W	2700 K	80	850 lm
					90	700 lm
				3000 K	80	900 lm
					90	750 lm

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.

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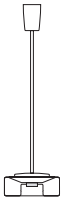
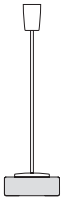
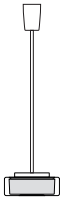
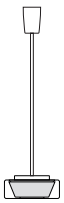
Article numbers

		Output (nominal value)[1]	Control Technology[4]	CRI[3]	Color Temperature[3]	Article Number
	**Curling Suspension Tube S LED** Clear glass shade	11 W	TRIAC	> 90	2700 K	CU1017
					3000 K	CU1021
	**Curling Suspension Tube S LED** Opal glass shade	11 W	TRIAC	> 90	2700 K	CU1020
					3000 K	CU1024
	**Curling Suspension Tube S LED** Clear glass shade Reflector cylindrical opal	11 W	TRIAC	> 90	2700 K	CU1019
					3000 K	CU1023
	**Curling Suspension Tube S LED** Clear glass shade Reflector conical opal	11 W	TRIAC	> 90	2700 K	CU1018
					3000 K	CU1022

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 S LED with driver ELT (A-1201)	**Distributed until March 2017**	11 W	TRIAC	Merten MEG5300-0001 Feller 40200.LED.EB Jung 225 NV DE Berker 286710	
Curling Suspension Tube S LED with driver Sinchun (P-4270)	**Distributed after 1st quarter of 2017**	11 W	TRIAC	Busch Jäger 6513 U-102 Busch Jäger 6523 U Berker 286710 Eltako EUD61NPN-UC Feller 40200.LED.EB	Jung 225 TDE Merten MEG5300-0001 Schalk ETD U2 Schalk F03 U2E

[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 Raumleuchten GmbH assumes no liability for the accuracy of the information.
[3] Other versions available on request.