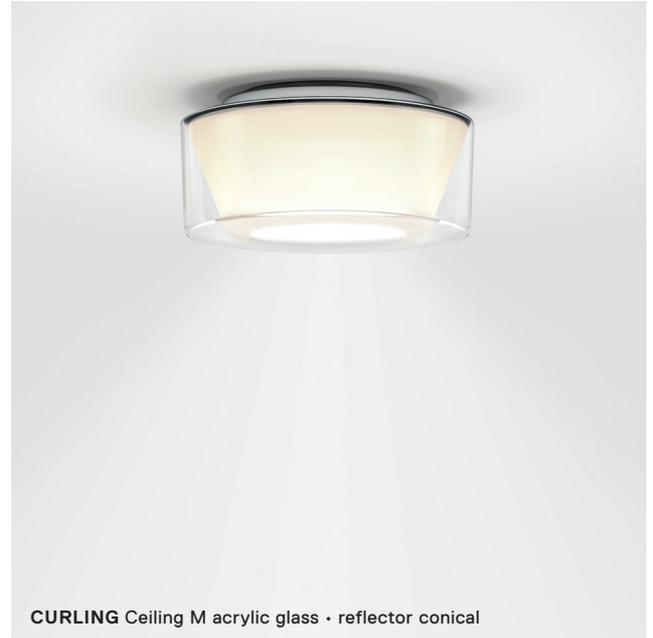


# CURLING

## Data Sheet

Ceiling



Clear shapes, numerous variants, different materials and intelligent design details make CURLING a universally applicable lighting solution for a wide range of application. The different versions and the interaction of a clear outer body with different opal internal reflectors make it possible to create the perfect lighting mood for every room situation.

Examples of applications:  
From the individual luminaire in private rooms to the row in corridors, entrance areas and suites, CURLING stands for sustainable, maintenance-free technology and brilliant light.

# CURLING

Ceiling

## Technical data sheet

The hand-blown glass shade is available in clear or opal with a conical or cylindrical internal reflector made of polycarbonate. Versions with acrylic glass shade in angular aesthetics extend the application possibilities of CURLING. Examples of applications: 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

## Awards

German Design Award 2018: Winner  
 ICONIC AWARDS 2016: Interior Innovation - Best of Best  
 Internationaler Designpreis Baden-Württemberg - Focus Silver 2016



## Material & surfaces



glass shade clear

glass shade clear reflector conical

glass shade clear reflector cylindrical

glass shade opal

acrylic glass shade clear

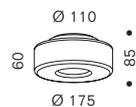
acrylic glass shade clear reflector conical

acrylic glass shade clear reflector cylindrical

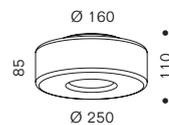
glass shade new silver

Lighting unit	aluminum highly polished
Shade	hand-blown glass or acrylic glass
Reflector	polycarbonate opal

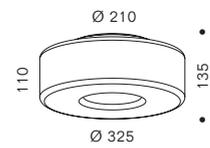
## Dimensions in mm



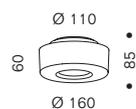
CURLING Ceiling S glass



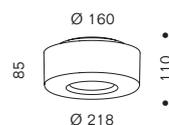
CURLING Ceiling M glass



CURLING Ceiling L glass



CURLING Ceiling S acrylic glass



CURLING Ceiling M acrylic glass

### Technical data

Sizes	S	M	L
Illuminant	2700K - CLU03J-1208C9-272H7U4 / EPREL-ID: 961804 3000K - CLU03J-1208C9-302H7U4 / EPREL-ID: 961805 Dim2Warm - Vesta 9mm, BXRV-DR-1830H-1000-B-13 / EPREL-ID: 876258	2700K - CLU03J-1208C9-272H7U4 / EPREL-ID: 961804 3000K - CLU03J-1208C9-302H7U4 / EPREL-ID: 961805 Dim2Warm - Vesta 13mm, BXRV-DR-1830H-2000-A-13 / EPREL-ID: 876319	2700K - L2C5-27901208E1500 / EPREL-ID: 900404 3000K - CLU03J-1208C9-302H7U4 / EPREL-ID: 961805
Energy efficiency class	This product contains a light source of energy efficiency class F		
Power (nominal value)	11 W	20 W	34 W
Color temperature	2700 K 1170 lm	2700 K 1910 lm	2700 K 3360 lm
Luminous flux LED	3000 K 1230 lm	3000 K 2010 lm	3000 K 3480 lm
(nominal value)	1800-3000 K D2W 900 lm	1800-3000 K D2W 1540 lm	
Control	TRIAC	TRIAC, 0-10V, DALI	TRIAC, 1-10 V, DALI
Operating voltage	primary 220- 240 V AC, secondary 36 V DC		
Average lifetime LED	50.000 h*		
Warranty	2 years		
Weight	glass	1,5 kg	2,7 kg
	acrylic glass	1,3 kg	2,4 kg
Features	LED exchangeable, glass shade tool-free mountable with bayonet lock		
Marks	IP20     		

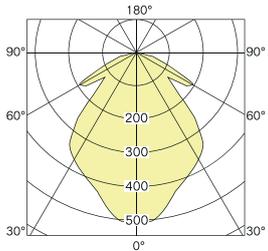
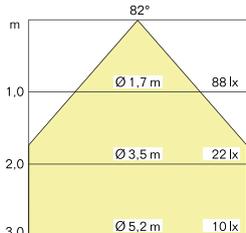
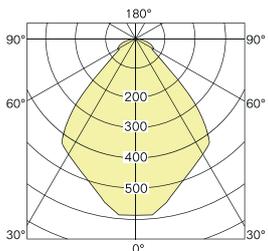
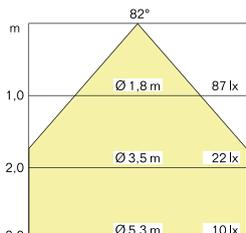
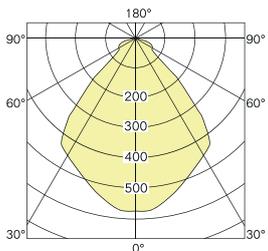
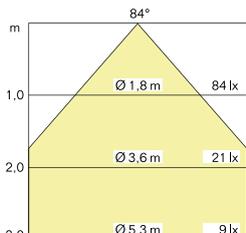
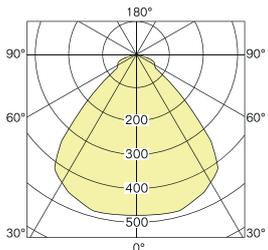
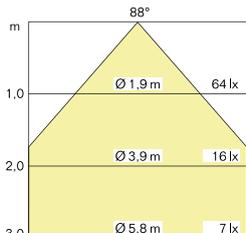
\* Information according to the manufacturers. serien Raundleuchten GmbH accepts no liability for the accuracy of the information.

# CURLING

## Ceiling S

### Photometric data sheet

Depending on the version CURLING Ceiling combines downwardsdirected light with light softly dispersed all round or with light distributed all round.

			Power	CRI	CCT	Luminous flux (measured value)
<b>CURLING Ceiling S glass shade clear</b>						
			11 W	>97	2700 K	950 lm
Light: directed downwards, distributed all around					3000 K	1000 lm
<b>CURLING Ceiling S glass shade clear, reflector conical</b>						
			11 W	>97	2700 K	830 lm
Light: directed downwards, diffuse all around					3000 K	880 lm
<b>CURLING Ceiling S glass shade clear, reflector cylindrical</b>						
			11 W	>97	2700 K	830 lm
Light: directed downwards, diffuse all around					3000 K	880 lm
<b>CURLING Ceiling S glass shade opal</b>						
			11 W	>97	2700 K	830 lm
Light: directed downwards, diffuse all around					3000 K	880 lm



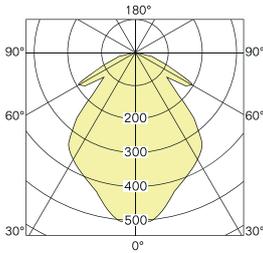
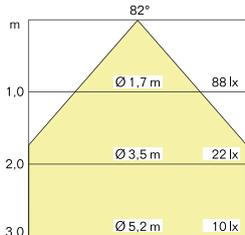
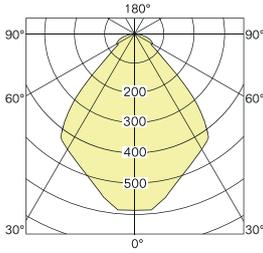
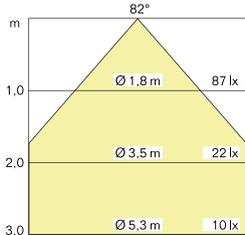
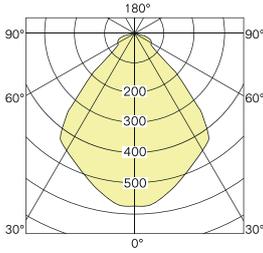
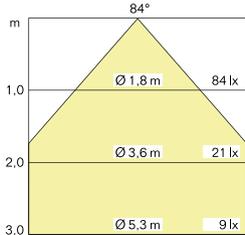
Note: The photometric data (EULUMDAT) can be downloaded from <https://serien.com/downloads/>

# CURLING

## Ceiling S

### Photometric data sheet

Depending on the version CURLING Ceiling combines downwardsdirected light with light softly dispersed all round or with light distributed all round.

			Power	CRI	CCT	Luminous flux (measured value)
<b>CURLING Ceiling S acrylic glass shade clear</b>						
			11 W	>97	2700 K	950 lm
Light: directed downwards, distributed all around					3000 K	1000 lm
<b>CURLING Ceiling S acrylic glass shade clear, reflector conical</b>						
			11 W	>97	2700 K	830 lm
Light: directed downwards, diffuse all around					3000 K	880 lm
<b>CURLING Ceiling S acrylic glass shade clear, reflector cylindrical</b>						
			11 W	>97	2700 K	830 lm
Light: directed downwards, diffuse all around					3000 K	880 lm
<b>CURLING Ceiling S glass shade new silver</b>						
			11 W	>97	2700 K	780 lm
Light: directed downwards, distributed all around					3000 K	810 lm



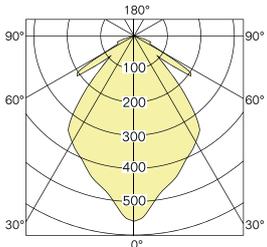
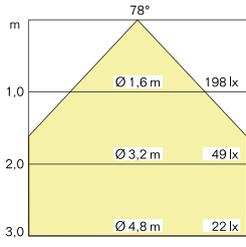
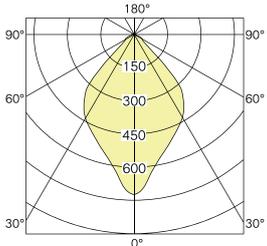
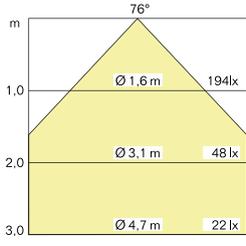
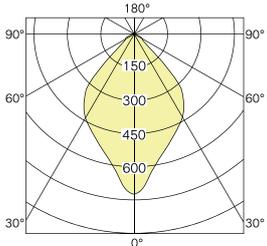
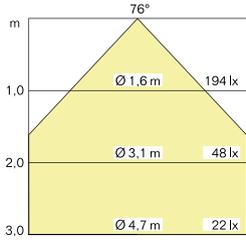
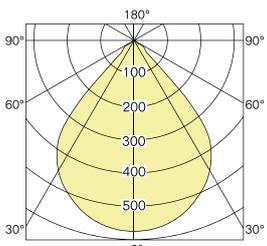
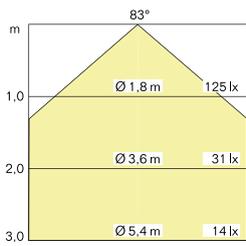
Note: The photometric data (EULUMDAT) can be downloaded from <https://serien.com/downloads/>

# CURLING

## Ceiling M

### Photometric data sheet

Depending on the version CURLING Ceiling combines downwardsdirected light with light softly dispersed all round or with light distributed all round.

			Power	CRI	CCT	Luminous flux (measured value)
<b>CURLING Ceiling M glass shade clear</b>						
			20 W	>97	2700 K	1510 lm
Light: directed downwards, distributed all around		UGR ≤ 20			3000 K	1580 lm
<b>CURLING Ceiling M glass shade clear, reflector conical</b>						
			20 W	>97	2700 K	1110 lm
Light: directed downwards, diffuse all around		UGR ≤ 16.1			3000 K	1160 lm
<b>CURLING Ceiling M glass shade clear, reflector cylindrical</b>						
			20 W	>97	2700 K	1110 lm
Light: directed downwards, diffuse all around		UGR ≤ 16.1			3000 K	1160 lm
<b>CURLING Ceiling M glass shade opal</b>						
			20 W	>97	2700 K	1110 lm
Light: directed downwards, diffuse all around					3000 K	1160 lm



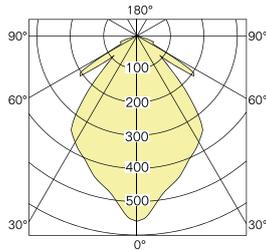
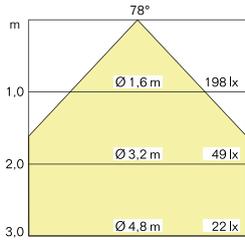
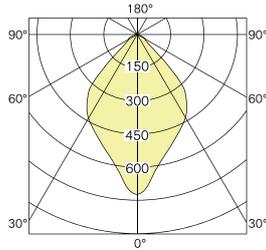
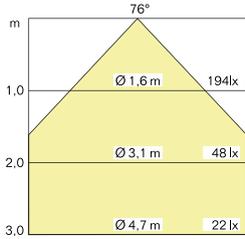
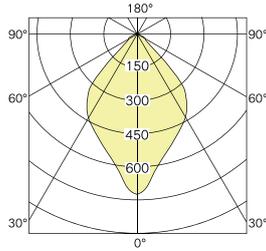
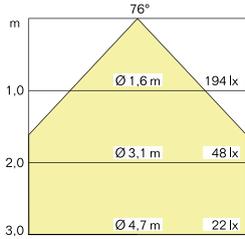
Note: The photometric data (EULUMDAT) can be downloaded from <https://serien.com/downloads/>

# CURLING

## Ceiling M

### Photometric data sheet

Depending on the version CURLING Ceiling combines downwardsdirected light with light softly dispersed all round or with light distributed all round.

			Power	CRI	CCT	Luminous flux (measured value)
<b>CURLING Ceiling M</b> acrylic glass shade clear						
			20 W	>97	2700 K	1510 lm
Light: directed downwards, distributed all around			UGR ≤ 20			
<b>CURLING Ceiling M</b> acrylic glass shade clear, reflector conical						
			20 W	>97	2700 K	1110 lm
Light: directed downwards, diffuse all around			UGR ≤ 16.1			
<b>CURLING Ceiling M</b> acrylic glass shade clear, reflector cylindrical						
			20 W	>97	2700 K	1110 lm
Light: directed downwards, diffuse all around			UGR ≤ 16.1			
<b>CURLING Ceiling M</b> glass shade new silver						
			20 W	>97	2700 K	1110 lm
Light: directed downwards, distributed all around			3000 K 1160 lm			



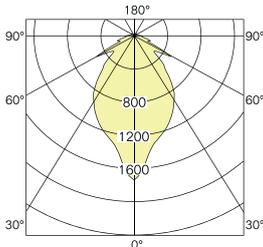
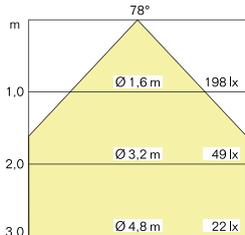
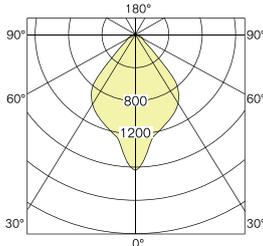
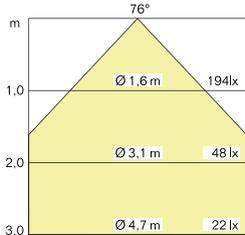
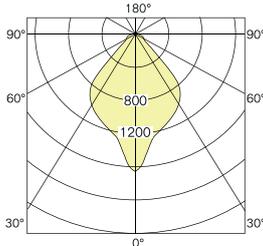
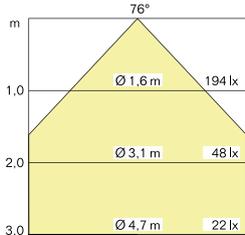
Note: The photometric data (EULUMDAT) can be downloaded from <https://serien.com/downloads/>

# CURLING

## Ceiling L

### Photometric data sheet

Depending on the version CURLING Ceiling combines downwardsdirected light with light softly dispersed all round or with light distributed all round.

			Power	CRI	CCT	Luminous flux (measured value)
<b>CURLING Ceiling L glass shade clear</b>						
			34 W	>90	2700 K	2810 lm
Light: directed downwards, distributed all around		UGR ≤ 32,6			-----	
					3000 K	2910 lm
<b>CURLING Ceiling L glass shade clear, reflector conical</b>						
			34 W	>90	2700 K	2310 lm
Light: directed downwards, diffuse all around		UGR ≤ 16,6			-----	
					3000 K	2400 lm
<b>CURLING Ceiling L glass shade clear, reflector cylindrical</b>						
			34 W	>90	2700 K	2310 lm
Light: directed downwards, diffuse all around		UGR ≤ 17			-----	
					3000 K	2400 lm



Note: The photometric data (EULUMDAT) can be downloaded from <https://serien.com/downloads/>

### Article numbers

### CURLING Ceiling S

figure	description	lamp	control	power	CCT	art.-no.
	lighting unit ceiling	LED	TRIAC	11 W	2700 K	LE015701
					3000 K	LE015702
					1800–3000 K D2W	LE015703
	glass clear					CU014406
	glass clear, reflector conical					CU014407
	glass clear, reflector cylindrical					CU014408
	glass opal					CU014405
	glass new silver					CU011201
	acrylic glass clear					CU011203
	acrylic glass clear, reflector conical					CU011204
	acrylic glass clear, reflector cylindrical					CU011205

### CURLING Ceiling M

figure	description	lamp	control	power	CCT	art.-no.
	lighting unit ceiling	LED	TRIAC	20 W	2700 K	LE015710
					3000 K	LE015711
					1800–3000 K D2W	LE015712
			DALI 0–10V	20 W	2700 K	LE015713
					3000 K	LE015714
				1800–3000 K D2W	LE015715	
	glass clear					CU014402
	glass clear, reflector conical					CU014403
	glass clear, reflector cylindrical					CU014404
	glass opal					CU014401
	glass new silver					CU011202
	acrylic glass clear					CU011206
	acrylic glass clear, reflector conical					CU011207
	acrylic glass clear, reflector cylindrical					CU011208

CURLING is a modular article. Please order the lighting unit and glass shade together.

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### Article numbers

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### CURLING Ceiling L

figure	description	lamp	control	power	CCT	art.-no.
	lighting unit ceiling	LED	DALI	34 W	2700 K	LE014478
			1-10V	34 W	2700 K	LE014479
			TRIAC	34 W	2700 K	LE014480
			DALI	34 W	3000K	LE014481
			1-10V	34 W	3000 K	LE014482
			TRIAC	34 W	3000 K	LE014483
	glass clear					CU014475
	glass clear, reflector conical					CU014476
	glass clear, reflector cylindrical					CU014477

CURLING is a modular article. Please order the lighting unit and glass shade together.

### Special versions

S	DALI versions for the use in emergency lighting systems available on request.
M/L	DALI and 1-10 V versions for the use in emergency lighting systems available on request.
	Other versions (CCT/CRI) available on request.

### Lighting data

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.  
The specified nominal and measured values refer to the illuminants used at the time the data sheet was prepared. Omissions excepted.

### Service note



LED light source replaceable by professionals



Control gear replaceable by professionals

This luminaire is designed in such a way that when light sources are replaced, only a qualified specialist can ensure that they are not contaminated and/or damaged. The service life of the light sources is directly affected by the mounting method with heat conducting pads. Therefore, the non-professional replacement of light sources and separate control gear is not considered advisable

### Credits

©Photography: Farideh Fotografie, Christoph Lison, Rendering: serien.lighting

### Information

CCT	CCT (Correlated Color Temperature) is the colour temperature of an LED and is specified in Kelvin (K). We supply LED lights with a colour temperature of 2700 K at short notice. LED lights with a color temperature of 3000 K and higher usually have longer delivery times.
CRI	Colour Rendering Index
D2W	Dim2Warm refers to a luminaire functionality that imitates the pleasant dimming behavior of classic incandescent lamps. When dimmed, the light not only becomes darker, but also changes its color temperature to warm white tones.
DALI 1-10 V	5-core mains cable required for control via DALI or 1–10 V. All LED luminaires operated with DALI power supply units are suitable for use in emergency lighting systems.
Lumen	The luminous flux (lumen) specifications are nominal values, i.e. pure module luminous flux values. The luminous flux indicates how much light radiates in all directions.
TW	Luminaires with this characteristic have variable colour temperature control from warm to cool white light.
UGR	Unified Glare Rating
IP	Protection class
LOR	The luminaire operating efficiency is given as a LOR value (Light Output Ratio) in percent.



The crossed-out wheellie bin indicates that this electrical appliance must not be disposed of via household waste. In order to protect human health and the environment against potentially hazardous substances, at the end of its lifecycle this product can be taken to a collection point close to you and disposed of free of charge there. This separate disposal enables electrical appliances to be reused or recycled.



At [www.serien.com/downloads](http://www.serien.com/downloads) you will find helpful information and the latest technical data: Data sheets, catalogues, price lists, lighting data (EULUMDAT), 3D CAD data, EU Energy labels, declarations of conformity, returns form, FAQs, assembly instructions, drilling templates and other service instructions.

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