CURLING
Data Sheet

Ceiling

Focus Open 2016 Silver

INTERIOR INNOVATION best of best

GERMAN DESIGN AWARD WINNER 2018

CURLING Ceiling M · glass clear

CURLING Ceiling M · glass reflector conical

CURLING Ceiling M · glass reflector cylindrical

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.

Desing Jean-Marc da Costa and Manfred Wolf

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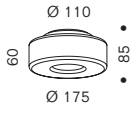
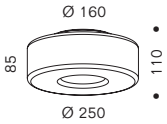
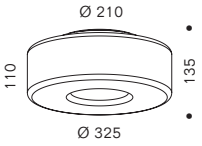
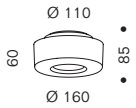
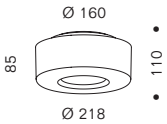
Ceiling

Material

Surfaces					
	Glass shade clear	Glass shade clear Reflector conical	Glass shade clear Reflector cylindrical	Glass shade opal	Glass shade new silver
					
	Acrylic glass shade clear	Acrylic glass shade clear Reflector conical	Acrylic glass shade clear Reflector cylindrical		
Housing	Aluminum mirror polished				
Shade	Mouth blown glass or acrylic glass				
Reflector	Polycarbonate opal				

Variations	S glass	M glass	L glass
Dimensions in mm			
Weight	1,5 kg	2,7 kg	4,5 kg

	S acrylic glass	M acrylic glass
Dimensions in mm		
Weight	1,3 kg	2,4 kg

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LED	Light color	Color rendering Index CRI	Color consistency	Luminous flux	Energy efficiency class
	2700 K	>97	2 Step	111 lm/W	E
	3000 K	>97	2 Step	116 lm/W	E
	S Dim2Warm	>95	3 Step	up to 97 lm/W	F
	M Dim2Warm	>95	3 Step	up to 101 lm/W	F

Other versions (CCT/CRI) available on request.
LED light source replaceable by professionals
Average life 50,000 h (specification according to manufacturer).

Control gear	Control	Connected load	Operating voltage	Constant current / voltage	Feature
	S TRIAC	11 W	230 V AC / 50 Hz	300 mA / 35 V	dimmable
	S DALI	11 W	230 V AC / 50 Hz	300 mA / 35 V	dimmable
	M TRIAC	20 W	230 V AC / 50 Hz	500 mA / 35 V	dimmable
	M DALI	20 W	230 V AC / 50 Hz	500 mA / 35 V	dimmable, Touch DIM
	L TRIAC	34 W	230 V AC / 50 Hz	900 mA / 35 V	dimmable
	L DALI	34 W	230 V AC / 50 Hz	900 mA / 35 V	dimmable, Touch DIM

Control gear replaceable by professionals
The luminaire may be operated at a maximum of the constant current specified above.

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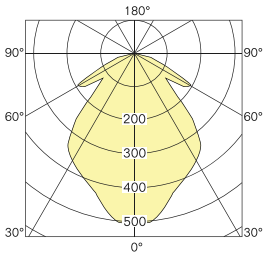
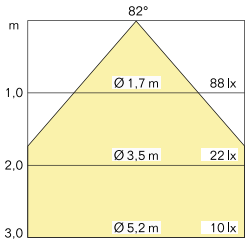
Ceiling S

Photometric data sheet	Power	CRI	CCT	Luminous flux (measured value)

CURLING Ceiling S glass shade clear

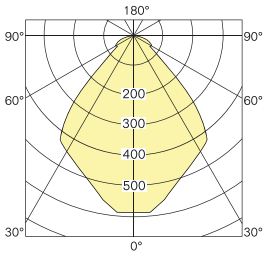


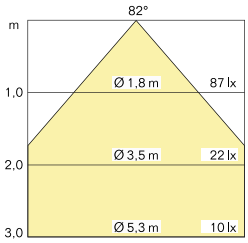


11 W	Ra>97 R9>80	2700 K	950 lm
		3000 K	1000 lm

Light: directed downwards, distributed all around

CURLING Ceiling S glass shade clear, reflector conical

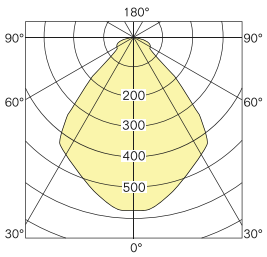


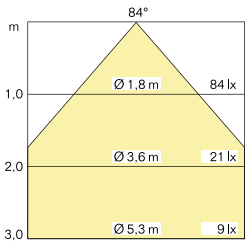


11 W	Ra>97 R9>80	2700 K	830 lm
		3000 K	880 lm

Light: directed downwards, diffuse all around

CURLING Ceiling S glass shade clear, reflector cylindrical

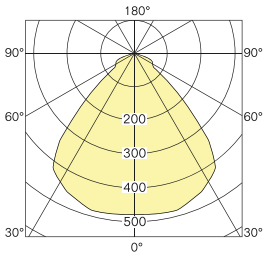


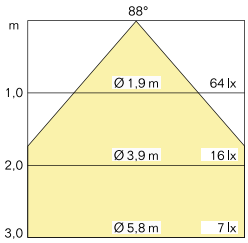


11 W	Ra>97 R9>80	2700 K	830 lm
		3000 K	880 lm

Light: directed downwards, diffuse all around

CURLING Ceiling S glass shade opal





11 W	Ra>97 R9>80	2700 K	830 lm
		3000 K	880 lm

Light: directed downwards, diffuse all around

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

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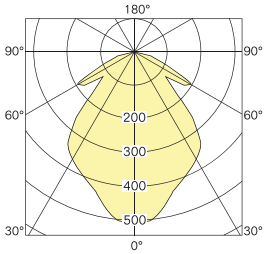
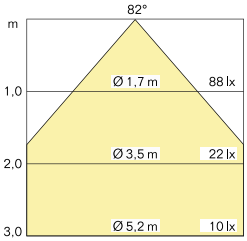
Ceiling S

Photometric data sheet	Power	CRI	CCT	Luminous flux (measured value)

CURLING Ceiling S acrylic glass shade clear

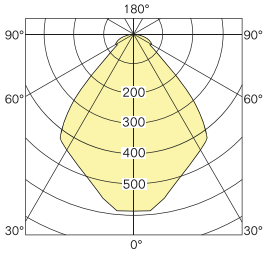


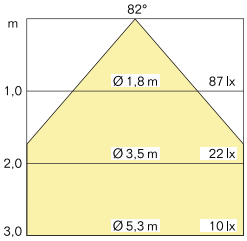


11 W	Ra>97 R9>80	2700 K	950 lm
		3000 K	1000 lm

Light: directed downwards, distributed all around

CURLING Ceiling S acrylic glass shade clear, reflector conical

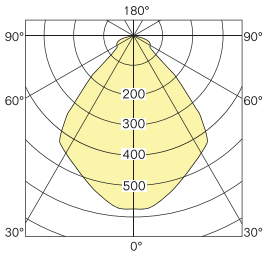


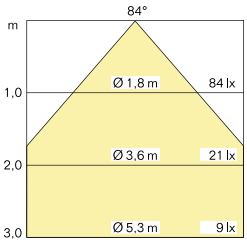


11 W	Ra>97 R9>80	2700 K	830 lm
		3000 K	880 lm

Light: directed downwards, diffuse all around

CURLING Ceiling S acrylic glass shade clear, reflector cylindrical





11 W	Ra>97 R9>80	2700 K	830 lm
		3000 K	880 lm

Light: directed downwards, diffuse all around

CURLING Ceiling S glass shade new silver

11 W	Ra>97 R9>80	2700 K	780 lm
		3000 K	810 lm

Light: directed downwards, distributed all around

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

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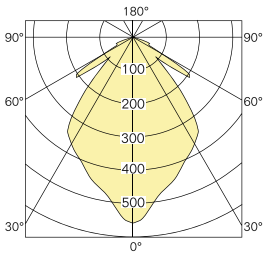
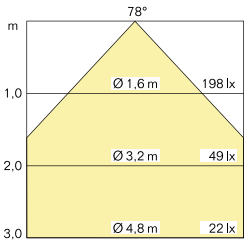
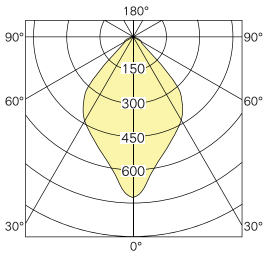
Ceiling M

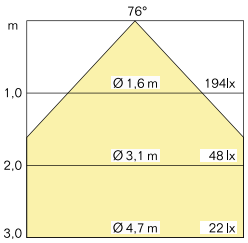
Photometric data sheet	Power	CRI	CCT	Luminous flux (measured value)
CURLING Ceiling M glass shade clear				
 Light: directed downwards, distributed all around	20 W	Ra>97 R9>80	2700 K	1510 lm
			3000 K	1580 lm
CURLING Ceiling M glass shade clear, reflector conical				
 Light: directed downwards, diffuse all around	20 W	Ra>97 R9>80	2700 K	1110 lm
			3000 K	1160 lm
CURLING Ceiling M glass shade clear, reflector cylindrical				
 Light: directed downwards, diffuse all around	20 W	Ra>97 R9>80	2700 K	1110 lm
			3000 K	1160 lm
CURLING Ceiling M glass shade opal				
 Light: directed downwards, diffuse all around	20 W	Ra>97 R9>80	2700 K	1110 lm
			3000 K	1160 lm



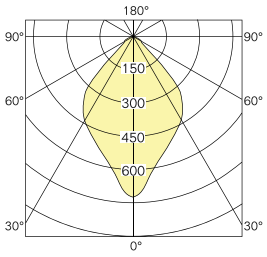


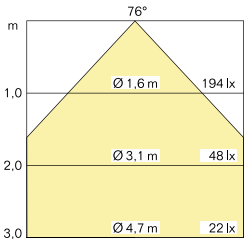
UGR ≤ 20



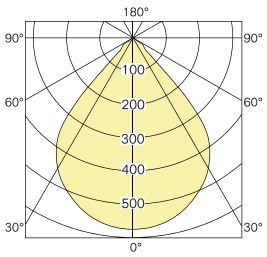


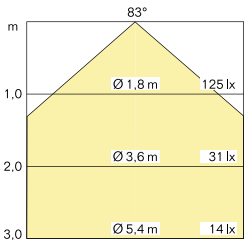
UGR ≤ 16,1





UGR ≤ 16,1





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

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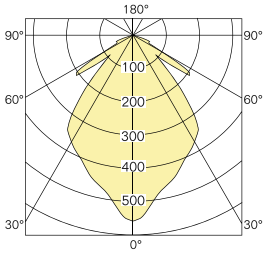
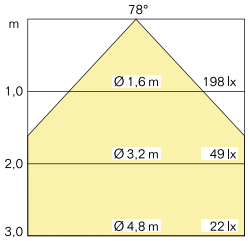
Ceiling M

Photometric data sheet	Power	CRI	CCT	Luminous flux (measured value)

CURLING Ceiling M acrylic glass shade clear



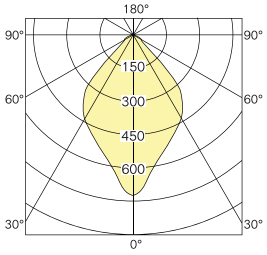


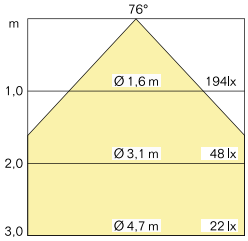
UGR ≤ 20

2700 K	20 W	Ra>97 R9>80	1510 lm
3000 K			1580 lm

Light: directed downwards, distributed all around

CURLING Ceiling M acrylic glass shade clear, reflector conical



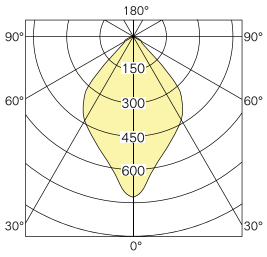


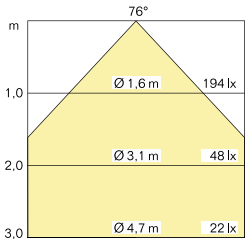
UGR ≤ 16,1

2700 K	20 W	Ra>97 R9>80	1110 lm
3000 K			1160 lm

Light: directed downwards, diffuse all around

CURLING Ceiling M acrylic glass shade clear, reflector cylindrical





UGR ≤ 16,1

2700 K	20 W	Ra>97 R9>80	1110 lm
3000 K			1160 lm

Light: directed downwards, diffuse all around

CURLING Ceiling M glass shade new silver

2700 K	20 W	Ra>97 R9>80	1110 lm
3000 K			1160 lm

Light: directed downwards, distributed all around

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

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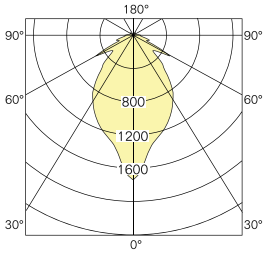
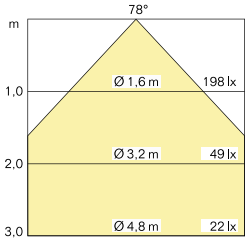
Ceiling L

Photometric data sheet	Power	CRI	CCT	Luminous flux (measured value)

CURLING Ceiling L glass shade clear



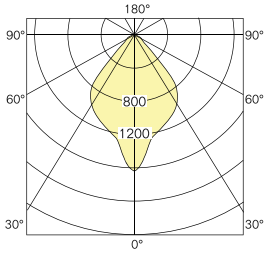


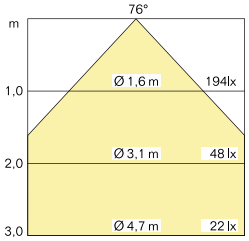
UGR ≤ 32,6

Light: directed downwards, distributed all around

34 W	Ra>97 R9>80	2700 K	2810 lm
		3000 K	2910 lm

CURLING Ceiling L glass shade clear, reflector conical



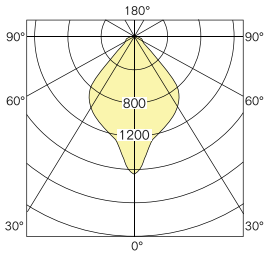


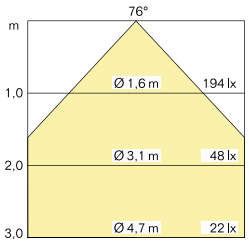
UGR ≤ 16,6

Light: directed downwards, diffuse all around

34 W	Ra>97 R9>80	2700 K	2310 lm
		3000 K	2400 lm

CURLING Ceiling L glass shade clear, reflector cylindrical





UGR ≤ 17

Light: directed downwards, diffuse all around

34 W	Ra>97 R9>80	2700 K	2310 lm
		3000 K	2400 lm

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

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CURLING Ceiling S

figure	description	lamp	control	power	CCT	art.-no.
	lighting unit S	LED	TRIAC	11 W	2700 K	LE015701
					3000 K	LE015702
					1800–3000 K D2W	LE015703
			DALI	11 W	2700 K	LE015730
					3000 K	LE015731
					1800–3000 K D2W	LE015732
	glass S clear					CU014406
	glass S clear, reflector conical					CU014407
	glass S clear, reflector cylindrical					CU014408
	glass S opal					CU014405
	glass S new silver					CU011201
	acrylic glass S clear					CU011203
	acrylic glass S clear, reflector conical					CU011204
	acrylic glass S clear, reflector cylindrical					CU011205

CURLING Ceiling M

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

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CURLING Ceiling L

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

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

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Ceiling

Information

+ C	+C indicates products with pre-programmed CASAMBI module integrated in the luminaire. The CASAMBI functionality is basically applicable to all our products. For the different possibilities of integration (depending on the temperature)–in the luminaire, in the suspended ceiling, in the switch or the distribution box) we will be pleased to inform you. CASAMBI is a lighting control system which is operated via Bluetooth and can be integrated completely into the luminaire or behind the light switch. It is controlled via mobile devices using the free CASAMBI app, making its operation simple and intuitive. CASAMBI expands the possibilities of control with new options such as dimming, the programming of specific scenarios or groups, automations and many more. For further information, please visit www.casambi.com.
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 colour to warm white tone.
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 wheelie 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** 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.
✓	This data sheet supersedes all previously published data sheet. The drawings shown in this document are for informational purposes only. Although great care has been taken when creating them, their proportions may not correctly reflect the proportions of the real product.
	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.

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