CURLING
Data Sheet

Ceiling

CURLING Ceiling M · clear

CURLING Ceiling M acrylic glass · reflector conical

CURLING Ceiling M · 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.

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-Würtemberg - 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

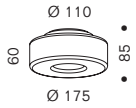
acrylic glass shade clear
reflector conical

acrylic glass shade clear
reflector cylindrical

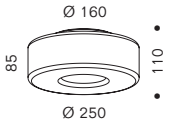
glass shade new silver

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

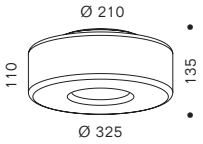
Dimensions in mm



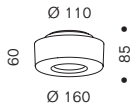
CURLING Ceiling S
glass



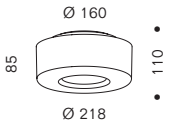
CURLING Ceiling M
glass



CURLING Ceiling L
glass



CURLING Ceiling S
acrylic glass



CURLING Ceiling M
acrylic glass

CURLING

Ceiling

Technical data

Sizes		S	M	L
Illuminant			LED CoB	
Power		11 W	20 W	34 W
Color temperature Luminous flux LED (nominal value)		2700 K 1170 lm 3000 K 1230 lm 1800-3000 K D2W 900 lm	2700 K 1910 lm 3000 K 2010 lm 1800-3000 K D2W 1540 lm	2700 K 3360 lm 3000 K 3480 lm
Control		TRIAC	TRIAC, 0-10V DALI, 0-10V	TRIAC, 1-10 V, DALI
Operating voltage			primary 220- 240 V AC, secondary 36 V DC	
Average lifetime LED			50.000 h*	
Energy efficiency class			A	
Warranty			2 years	
Weight	glass	1,5 kg	2,7 kg	4,5 kg
	acrylic glass	1,3 kg	2,4 kg	–
Features			LED exchangeable, glass shade tool-free mountable with bayonet lock	
Marks			IP20 CE	

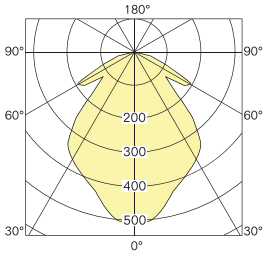
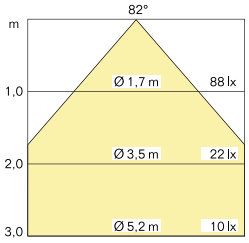
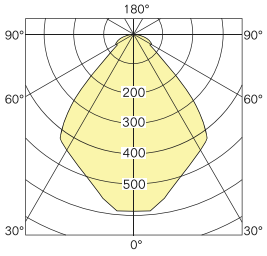
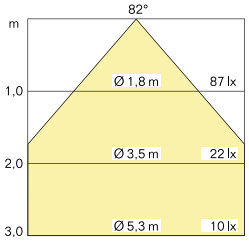
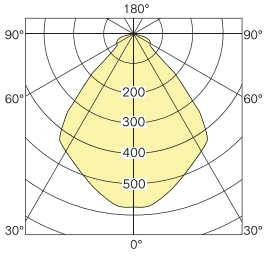
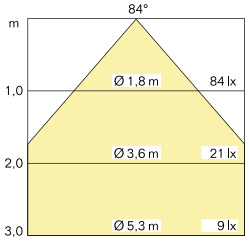
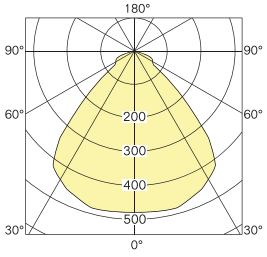
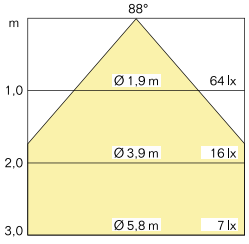
* Information according to the manufacturers. serien Raumleuchten GmbH accepts no liability for the accuracy of the information.

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)
CURLING Ceiling S glass shade clear						
			11 W	>97	2700 K	950 lm
					3000 K	1000 lm
Light: directed downwards, distributed all around		UGR ≤ 38				
CURLING Ceiling S glass shade clear, reflector conical						
			11 W	>97	2700 K	830 lm
					3000 K	880 lm
Light: directed downwards, diffuse all around		UGR ≤ 36				
CURLING Ceiling S glass shade clear, reflector cylindrical						
			11 W	>97	2700 K	830 lm
					3000 K	880 lm
Light: directed downwards, diffuse all around		UGR ≤ 36				
CURLING Ceiling S glass shade opal						
			11 W	>97	2700 K	830 lm
					3000 K	880 lm
Light: directed downwards, diffuse all around		UGR ≤ 37				

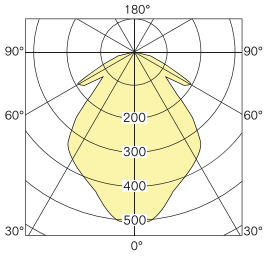
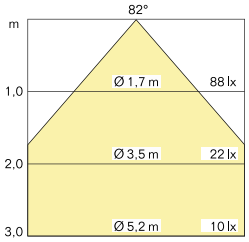
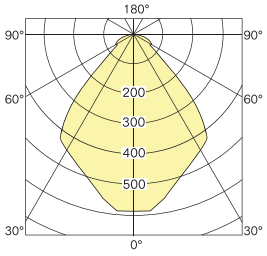
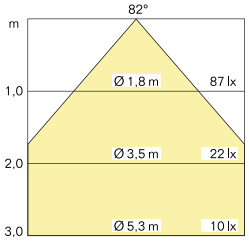
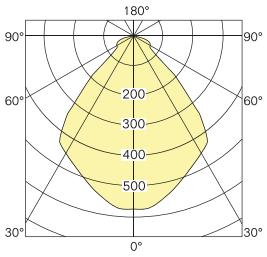
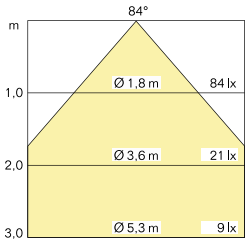
Note: The photometric data (EULUMDAT) can be downloaded from https://serien.com/downloads/

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)
CURLING Ceiling S acrylic glass shade clear				
			2700 K	950 lm
	11 W	>97		
			3000 K	1000 lm
Light: directed downwards, distributed all around		UGR ≤ 38		
CURLING Ceiling S acrylic glass shade clear, reflector conical				
			2700 K	830 lm
	11 W	>97		
			3000 K	880 lm
Light: directed downwards, diffuse all around		UGR ≤ 36		
CURLING Ceiling S acrylic glass shade clear, reflector cylindrical				
			2700 K	830 lm
	11 W	>97		
			3000 K	880 lm
Light: directed downwards, diffuse all around		UGR ≤ 36		
CURLING Ceiling S glass shade new silver				
			2700 K	780 lm
	11 W	>97		
			3000 K	810 lm
Light: directed downwards, distributed all around				

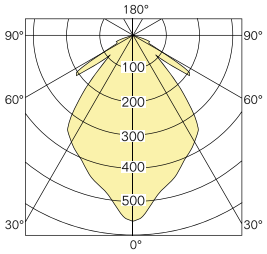
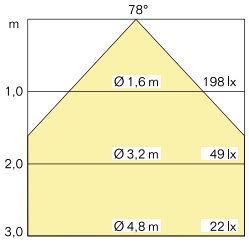
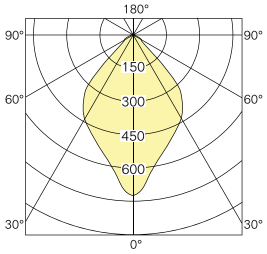
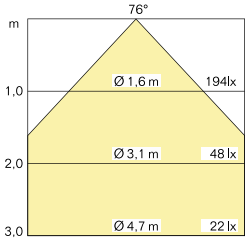
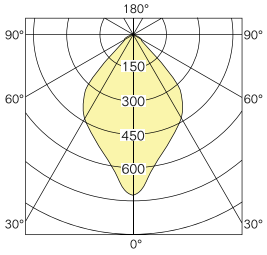
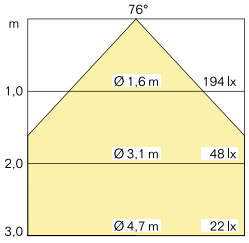
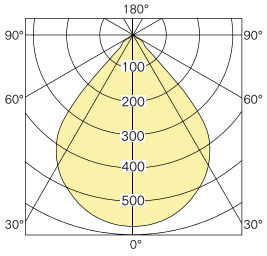
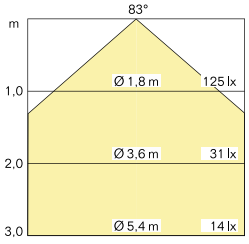
Note: The photometric data (EULUMDAT) can be downloaded from https://serien.com/downloads/

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)
CURLING Ceiling M glass shade clear						
			20 W	>97	2700 K	1510 lm
					3000 K	1580 lm
Light: directed downwards, distributed all around		UGR ≤ 43				
CURLING Ceiling M glass shade clear, reflector conical						
			20 W	>97	2700 K	1110 lm
					3000 K	1160 lm
Light: directed downwards, diffuse all around		UGR ≤ 39				
CURLING Ceiling M glass shade clear, reflector cylindrical						
			20 W	>97	2700 K	1110 lm
					3000 K	1160 lm
Light: directed downwards, diffuse all around		UGR ≤ 39				
CURLING Ceiling M glass shade opal						
			20 W	>97	2700 K	1110 lm
					3000 K	1160 lm
Light: directed downwards, diffuse all around		UGR ≤ 39				

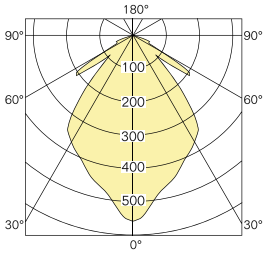
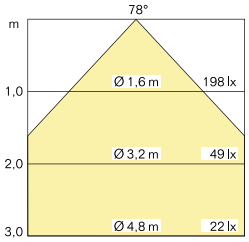
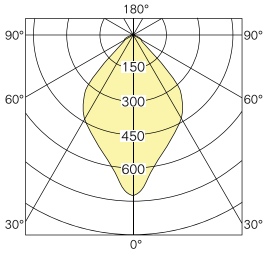
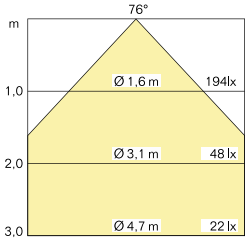
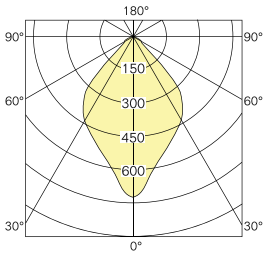
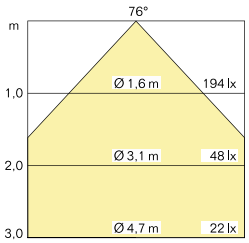
Note: The photometric data (EULUMDAT) can be downloaded from https://serien.com/downloads/

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)
CURLING Ceiling M acrylic glass shade clear				
			2700 K	1510 lm
	20 W	>97		
			3000 K	1580 lm
Light: directed downwards, distributed all around				
UGR ≤ 43				
CURLING Ceiling M acrylic glass shade clear, reflector conical				
			2700 K	1110 lm
	20 W	>97		
			3000 K	1160 lm
Light: directed downwards, diffuse all around				
UGR ≤ 39				
CURLING Ceiling M acrylic glass shade clear, reflector cylindrical				
			2700 K	1110 lm
	20 W	>97		
			3000 K	1160 lm
Light: directed downwards, diffuse all around				
UGR ≤ 39				
CURLING Ceiling M glass shade new silver				
			2700 K	1110 lm
	20 W	>97		
			3000 K	1160 lm
Light: directed downwards, distributed all around				

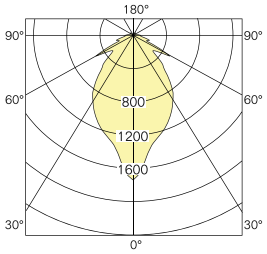
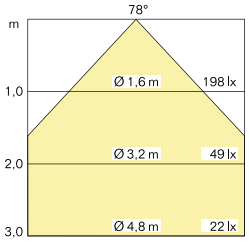
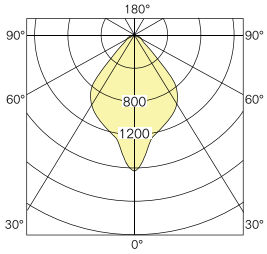
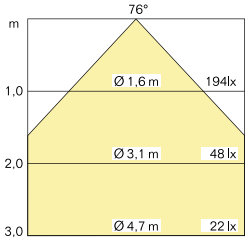
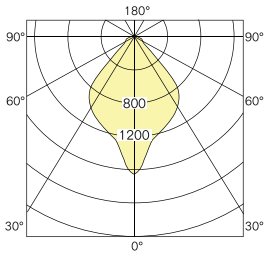
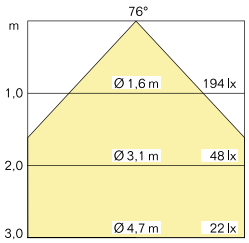
Note: The photometric data (EULUMDAT) can be downloaded from https://serien.com/downloads/

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)
CURLING Ceiling L glass shade clear						
			34 W	>90	2700 K	2810 lm
Light: directed downwards, distributed all around		UGR ≤ 33			3000 K	2910 lm
CURLING Ceiling L glass shade clear, reflector conical						
			34 W	>90	2700 K	2310 lm
Light: directed downwards, diffuse all around		UGR ≤ 15			3000 K	2400 lm
CURLING Ceiling L glass shade clear, reflector cylindrical						
			34 W	>90	2700 K	2310 lm
Light: directed downwards, diffuse all around		UGR ≤ 16			3000 K	2400 lm

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

CURLING

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 0–10V	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.

CURLING

Article numbers

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.

CURLING

Ceiling

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.

Caption

+ 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	Luminaires with this characteristic have the Dim2Warm function which, when dimmed, reproduces the colour gradient with the warmer light colour of a classic filament lamp.
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 photometric data (EULUMDAT) can be downloaded from https://serien.com/downloads/
	We are happy to make the Excel file with article numbers and current prices available to our trade partners. Please contact us at: serien@serien.com
	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, declarations of conformity, returns form, FAQs, assembly instructions, drilling templates and other service instructions.

Credits

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