ANNEX
Data Sheet

Ceiling

Focus Open Silber 2011 DESIGN PLUS German Design Award NOMINEE 2013

A quite archetypal ceiling lamp with that added functionality we value: three different sizes correspond with the proportions of your rooms. The different reflectors on the inside of the mouth-blown spherical shade enable extremely varied light effects, which nonetheless formally are part of one family.

ANNEX Ceiling can take on various roles as a central ceiling lamp: evenly distributed light throughout the room with a shade made of milky finished glass with no interior reflector. More targeted with a conic milk glass reflector for direct downward light, for rooms and ceilings as well. With an aluminum reflector floors and ceilings are lit gently, increasing the dramatic effect, more brilliantly with a faceted crystal glass reflector.

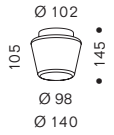
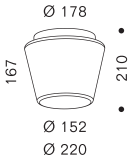
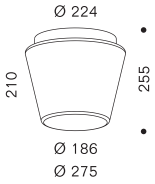
Design Uwe Fischer

ANNEX

Material

Surfaces			
	reflector opal	reflector polished	reflector crystal
Housing	aluminium highly polished and powder coated white RAL 9010		
Shade	hand-blown glass clear		
Reflector	acrylic glass opal, aluminium polished, crystal glass with aluminium reflector		

Variations

	S	M	L
Dimensions in mm			
Weight	0,8 kg	2,5 kg	3,3 kg

LED

Light color	Color rendering Index CRI	Color consistency	Luminous flux	Energy efficiency class
S 2700 K	>97	2 Step	110 lm/W	E
S 3000 K	>97	2 Step	115 lm/W	E
M 2700 K	>97	2 Step	111 lm/W	E
M 3000 K	>97	2 Step	116 lm/W	E
L 2700 K	>97	2 Step	115 lm/W	E
L 3000 K	>97	2 Step	120 lm/W	E

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	9 W	230 V AC / 50 Hz	250 mA / 35 V	dimmable
M TRIAC	20 W	230 V AC / 50 Hz	500 mA / 35 V	dimmable
M DALI	27 W	230 V AC / 50 Hz	700 mA / 35 V	dimmable
L TRIAC	34 W	230 V AC / 50 Hz	900 mA / 35 V	dimmable
L DALI	41 W	230 V AC / 50 Hz	1050 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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Photometric data sheet	Power	CRI	CCT	Luminous flux (measured value)
ANNEX Ceiling S reflector opal				
	9 W	Ra>97 R9>80	2700 K	550 lm
			3000 K	570 lm
Light: directed downwards, distributed all around				
ANNEX Ceiling S reflector polished				
	9 W	Ra>97 R9>80	2700 K	670 lm
			3000 K	690 lm
Light: directed downwards, diffuse all around				
ANNEX Ceiling S reflector crystal				
	9 W	Ra>97 R9>80	2700 K	600 lm
			3000 K	630 lm
Light: directed downwards, decorative all around				

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

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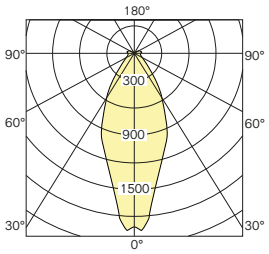
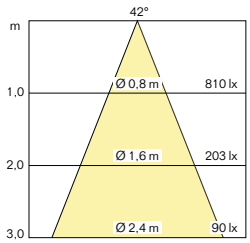
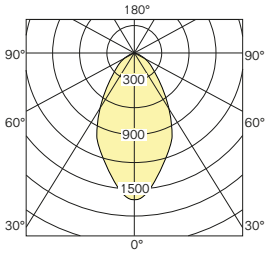
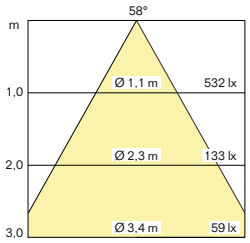
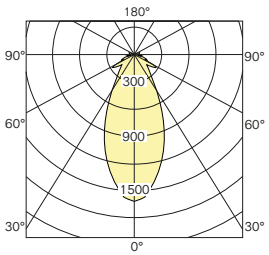
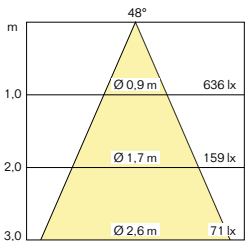
ANNEX

Ceiling M

Photometric data sheet		Power	CRI	CCT	Luminous flux (measured value)
ANNEX Ceiling M reflector opal					
 Light: directed downwards, distributed all around	 	20 W	Ra>97 R9>80	2700 K	1443 lm
				3000 K	1525 lm
		27 W	Ra>97 R9>80	2700 K	2162 lm
				3000 K	2284 lm
ANNEX Ceiling M reflector polished					
 Light: directed downwards, diffuse all around	 	20 W	Ra>97 R9>80	2700 K	1239 lm
				3000 K	1304 lm
		27 W	Ra>97 R9>80	2700 K	1856 lm
				3000 K	1953 lm
ANNEX Ceiling M reflector crystal					
 Light: directed downwards, decorative all around	 	20 W	Ra>97 R9>80	2700 K	1311 lm
				3000 K	1384 lm
		27 W	Ra>97 R9>80	2700 K	1965 lm
				3000 K	2073 lm

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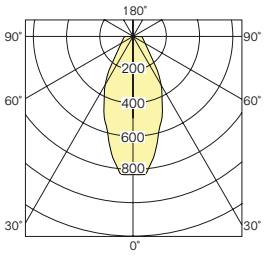
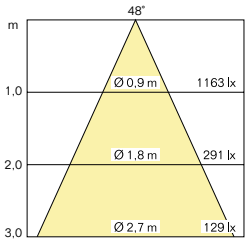
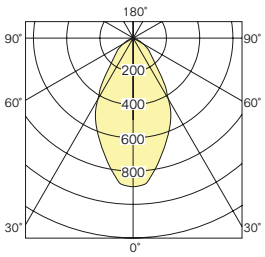
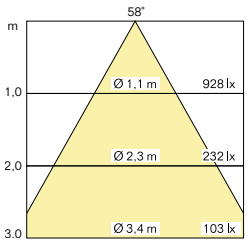
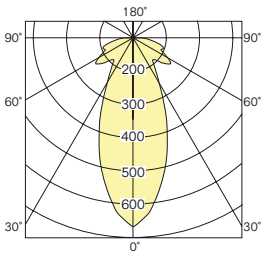
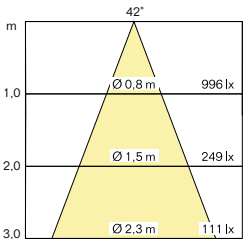
ANNEX

Ceiling L

Photometric data sheet			Power	CRI	CCT	Luminous flux (measured value)
ANNEX Ceiling L reflector opal						
			34 W	Ra>97 R9>80	2700 K	3080 lm
					3000 K	3250 lm
			41 W	Ra>97 R9>80	2700 K	3520 lm
					3000 K	3750 lm
Light: directed downwards, distributed all around						
CAVITY Ceiling L reflector polished						
			34 W	Ra>97 R9>80	2700 K	2770 lm
					3000 K	2900 lm
			41 W	Ra>97 R9>80	2700 K	3170 lm
					3000 K	3340 lm
Light: directed downwards, diffuse all around						
ANNEX Ceiling L reflector crystal						
			34 W	Ra>97 R9>80	2700 K	3000 lm
					3000 K	3150 lm
			41 W	Ra>97 R9>80	2700 K	3430 lm
					3000 K	3640 lm
Light: directed downwards, decorative all around						

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ANNEX Ceiling S

figure	description	lamp	control	power	CCT	art.-no.
	reflector opal	LED	TRIAC	9 W	2700 K	AN3201
					3000 K	AN3202
		HAL (G9)	TRIAC	max. 60 W	2700 K	AN1013
	reflector polished	LED	TRIAC	9 W	2700 K	AN3211
					3000 K	AN3212
		HAL (G9)	TRIAC	max. 60 W	2700 K	AN1121
	reflector crystal	LED	TRIAC	9 W	2700 K	AN3221
					3000 K	AN3222
		HAL (G9)	TRIAC	max. 60 W	2700 K	AN1043

ANNEX Ceiling M

figure	description	lamp	control	power	CCT	art.-no.
	reflector opal	LED	TRIAC	20 W	2700 K	AN3001
					3000 K	AN3002
			DALI	27 W	2700 K	AN3006
					3000 K	AN3007
		HAL (B15d)	TRIAC	max. 100 W	2800 K	AN1066
	reflector polished	LED	TRIAC	20 W	2700 K	AN3011
					3000 K	AN3012
			DALI	27 W	2700 K	AN3015
					3000 K	AN3016
		HAL (B15d)	TRIAC	max. 100 W	2800 K	AN1078
	reflector crystal	LED	TRIAC	20 W	2700 K	AN3021
					3000 K	AN3022
			DALI	27 W	2700 K	AN3025
					3000 K	AN3026
		HAL (B15d)	TRIAC	max. 100 W	2800 K	AN1073

ANNEX Ceiling L

figure	description	lamp	control	power	CCT	art.-no.
	reflector opal	LED	TRIAC	34 W	2700 K	AN3047
					3000 K	AN3048
			DALI	41 W	2700 K	AN3051
					3000 K	AN3052
		HAL (E27)	TRIAC	max. 150 W	2900 K	AN1067
	reflector polished	LED	TRIAC	34 W	2700 K	AN3053
					3000 K	AN3054
			DALI	41 W	2700 K	AN3057
					3000 K	AN3058
		HAL (E27)	TRIAC	max. 150 W	2900 K	AN1079
	reflector crystal	LED	TRIAC	34 W	2700 K	AN3041
					3000 K	AN3042
			DALI	41 W	2700 K	AN3045
					3000 K	AN3046
		HAL (E27)	TRIAC	max. 150 W	2900 K	AN1074

ANNEX

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.

Imprint

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