

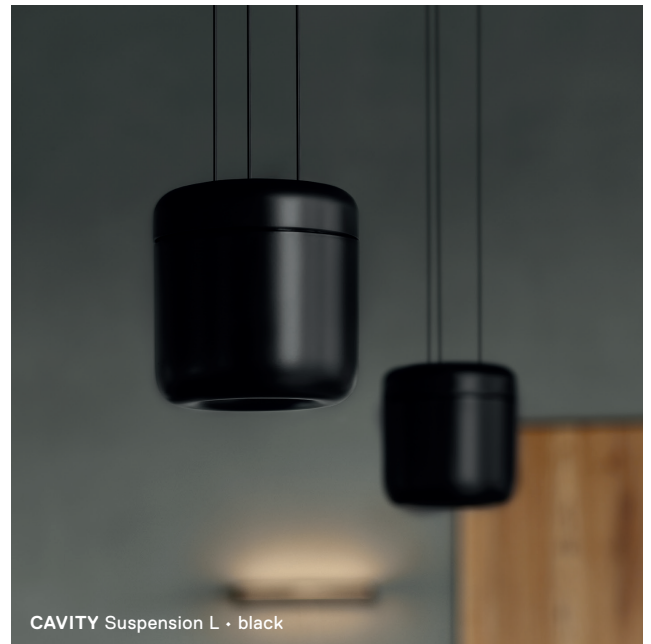
# CAVITY

## Data Sheet

Suspension



CAVITY Suspension L • white



CAVITY Suspension L • black



CAVITY Suspension S • black



CAVITY Suspension L • bronze finish

A specially designed, curved aluminum body replaces the reflector in spotlight CAVITY. The illuminant is recessed inside this body, whose shape allows the light to spread freely as it is seemingly sucked outwards over the body. The result is a downlight with a soft, glare-free luminescence that has a pleasant effect from all angles.

### Examples of applications:

CAVITY may be recessed, surface mounted, or used as a suspended luminaire and comes in a range of colors, surfaces and in two sizes. It can be installed in all spaces where surfacemounted luminaires are to ensure a perfect and pleasant light effect. Different lighting tasks can be met uniformly by combining the suspending with the recessed and surfacemounted varieties of this luminaire family.

### Technical data sheet

With its simple, harmonious and sealed-looking die-cast aluminum body, CAVITY has a charming compact shape that deliberately eschews any material mixes. The various versions of CAVITY can be integrated into a wide range of interiors and architectural contexts.

CAVITY can be recessed, surface-mounted, or used as a suspended luminaire, and comes in four finishes and two sizes, S (small) and L (large), for use wherever different lighting tasks should be met uniformly with a single family of luminaires.

Design da Costa & Wolf

### Awards

German Design Award Winner 2019



### Material & surfaces



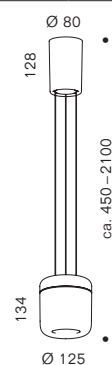
housing and canopy

Aluminum black or white coated, aluminum gloss finish or bronze finish

### Dimensions in mm



CAVITY Suspension S



CAVITY Suspension L

### Technical data

Illuminant	LED CoB	
Power (nominal value)	11 W	19 W
Color temperature	2700 K 1120 lm	2700 K 1910 lm
Luminous flux LED (nominal value)	3000 K 1180 lm	3000 K 2010 lm
Operating voltage	primary 220- 240 V AC, secondary 36 V DC	
Control	TRIAC	TRIAC, 0-10 V, DALI
Average lifetime LED	50.000 h*	
Energy efficiency class	A	
Warranty	2 years	
Weight	1,2 kg	1,5 kg
Features	LED exchangeable, housing tool-free mountable	


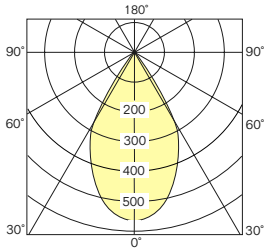
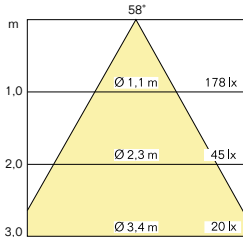

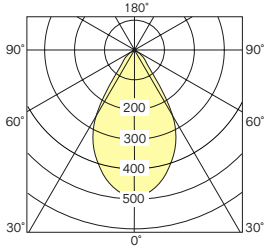
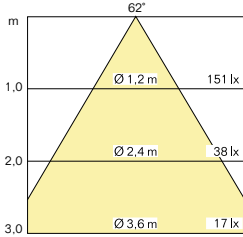

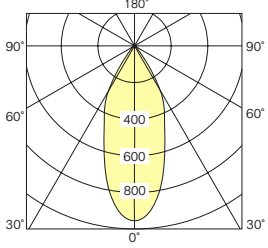
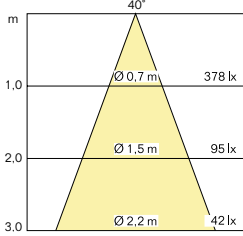

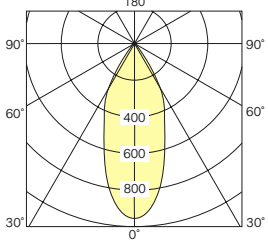
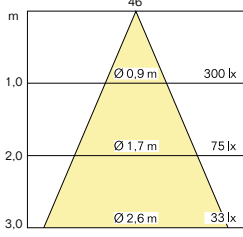
Marks




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

### Photometric data sheet


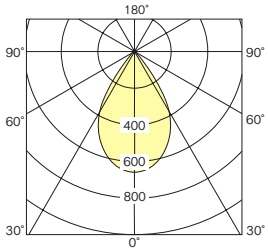
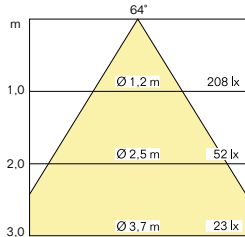

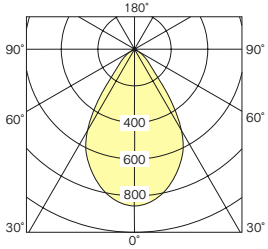
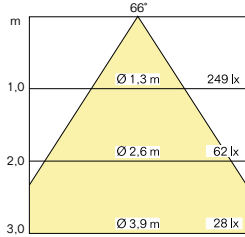

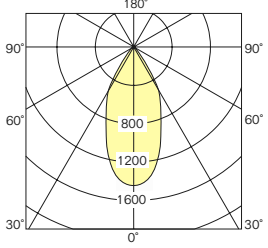
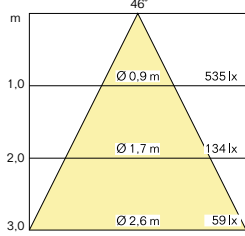

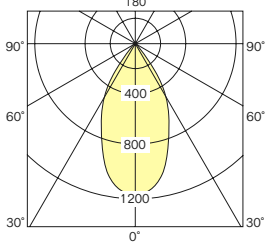
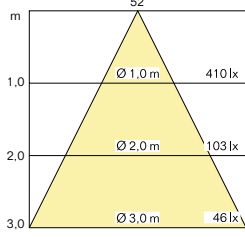
The CAVITY range of luminaires offers an innovative, convincing solution for downlight, in which a specially conceived, curved aluminum body replaces the reflector. The illuminant is recessed deeply in the body, whose shape allows the light to spread freely from a trumpet-shaped exit. The light appears to be sucked outwards, producing a glare-free, bright and powerful light that has a pleasant effect irrespective of where you are in a room.


			Power	CRI	CCT	Luminous flux (measured value)
<b>CAVITY Suspension S white</b>						
			11 W	>97	2700 K	480 lm
Light: directed downwards, shielded to the sides		UGR ≤ 16			3000 K	500 lm
<b>CAVITY Suspension S black</b>						
			11 W	>97	2700 K	410 lm
Light: directed downwards, shielded to the sides		UGR ≤ 21			3000 K	440 lm
<b>CAVITY Suspension S aluminum gloss finish</b>						
			11 W	>97	2700 K	510 lm
Light: directed downwards, shielded to the sides		UGR ≤ 16			3000 K	560 lm
<b>CAVITY Suspension S bronze finish</b>						
			11 W	>97	2700 K	480 lm
Light: directed downwards, shielded to the sides		UGR ≤ 16			3000 K	500 lm

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

### Photometric data sheet

The CAVITY range of luminaires offers an innovative, convincing solution for downlight, in which a specially conceived, curved aluminum body replaces the reflector. The illuminant is recessed deeply in the body, whose shape allows the light to spread freely from a trumpet-shaped exit. The light appears to be sucked outwards, producing a glare-free, bright and powerful light that has a pleasant effect irrespective of where you are in a room.

			Power	CRI	CCT	Luminous flux (measured value)
<b>CAVITY Suspension L white</b>						
			19 W	>97	2700 K	940 lm
Light: directed downwards, shielded to the sides	UGR ≤ 17	3000 K			990 lm	
<b>CAVITY Suspension L black</b>						
			19 W	>97	2700 K	610 lm
Light: directed downwards, shielded to the sides	UGR ≤ 22	3000 K			640 lm	
<b>CAVITY Suspension L aluminum gloss finish</b>						
			19 W	>97	2700 K	910 lm
Light: directed downwards, shielded to the sides	UGR ≤ 17	3000 K			940 lm	
<b>CAVITY Suspension L bronze finish</b>						
			19 W	>97	2700 K	810 lm
Light: directed downwards, shielded to the sides	UGR ≤ 17	3000 K			860 lm	

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

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### Article numbers

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### CAVITY Suspension S

figure	description	lamp	control	power	CCT	art.-no.
●	black	LED	TRIAC	11 W	2700 K	CA1101
					3000 K	CA1102
○	white	LED	TRIAC	11 W	2700 K	CA1103
					3000 K	CA1104
●	aluminum gloss finish	LED	TRIAC	11 W	2700 K	CA1105
					3000 K	CA1106
●	bronze finish	LED	TRIAC	11 W	2700 K	CA1107
					3000 K	CA1108

### CAVITY Suspension L

figure	description	lamp	control	power	CCT	art.-no.
●	black	LED	TRIAC	19 W	2700 K	CA2101
					3000 K	CA2102
			DALI	19 W	2700 K	CA2105
					3000 K	CA2106
○	white	LED	TRIAC	19 W	2700 K	CA2107
					3000 K	CA2108
			DALI	19 W	2700 K	CA2111
					3000 K	CA2112
●	aluminum gloss finish	LED	TRIAC	19 W	2700 K	CA2113
					3000 K	CA2114
			DALI	19 W	2700 K	CA2117
					3000 K	CA2118
●	bronze finish	LED	TRIAC	19 W	2700 K	CA2119
					3000 K	CA2120
			DALI	19 W	2700 K	CA2123
					3000 K	CA2124

### Special versions

Other Versions (CCT/CRI) and different coatings available on request.  
DALI and 1-10 V versions for the use in emergency lighting systems 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 <a href="http://www.casambi.com">www.casambi.com</a> .
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 <a href="https://serien.com/downloads/">https://serien.com/downloads/</a>
	We are happy to make the Excel file with article numbers and current prices available to our trade partners. Please contact us at: <a href="mailto:serien@serien.com">serien@serien.com</a>
	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, declarations of conformity, returns form, FAQs, assembly instructions, drilling templates and other service instructions.

### Credits

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