

# CAVITY

## Data Sheet

Wall



2023.11 | www.serien.com | © photography: Olaf Becke, rendering: serien.lighting

CAVITY Wall S · black

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# CAVITY

Family

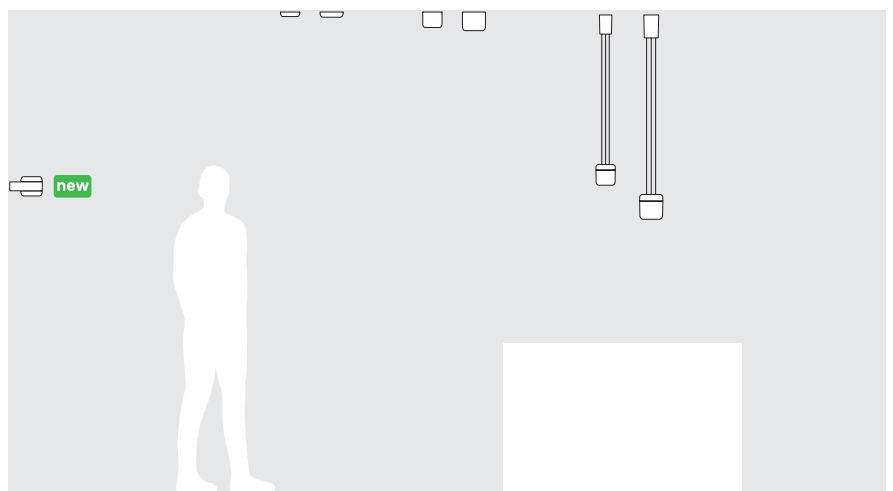
Smooth curve.  
Pleasant light.

CAVITY Wall sets gentle light accents on the wall and extends the product family with a wall luminaire distributing light equally upwards and downwards. Specially designed, curved aluminum bodies and the recessed illuminant within allow the light to unfold freely, seemingly flowing outwards via the funnel-shaped form.

Different lighting tasks can be met uniformly by combining the wall luminaires with surface-mounted and recessed spotlights and the pendant luminaires of this product family.

Design da Costa & Wolf

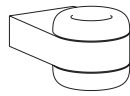
## overview



## typologies









	S	L
Ceiling	●	●
Recessed	●	●
Suspension	●	●
Wall	● <b>new</b>	

### product features



- LED wall light in size S
- control gear 19 W
- dimmable via phase dimming (TRIAC) or DALI
- bicolour combinations possible  
(two different housing surfaces and four different cover surfaces)
- convenient quick mounting
- convenient levelling of the luminaire on the wall

### surfaces




	black RAL 9005, powder coating matt
	white RAL 9010, powder coating matt
	housing black, RAL 9005, powder coating matt apertures white, RAL 9010, powder coating matt
	housing black, RAL 9005, powder coating matt apertures aluminium gloss finish, PVD coating, high-gloss metal vapour deposition
	housing black, RAL 9005, powder coating matt apertures bronze finish, PVD coating, high-gloss metal vapour deposition
	housing white, RAL 9010, powder coating matt apertures black, RAL 9005, powder coating matt
	housing white, RAL 9010, powder coating matt apertures bronze finish, PVD coating, high-gloss metal vapour deposition
	housing white, RAL 9010, powder coating matt apertures bronze finish, PVD coating, high-gloss metal vapour deposition

Colour deviations and tolerances due to production technology are possible even if the colour is specified exactly by RAL numbers.

### materials

housing	◦ aluminium housing with excellent thermal properties for optimal heat dissipation of the LED
optic	◦ glass lens with structured surface for directional light with 45° beam angle

### lighting technology

	◦ 2700K ◦ 3000K
CRI ≥ 97	◦ excellent colour reproduction quality
2 SDCM	◦ very high colour consistency - minimal colour temperature differences (MacAdam Step 2)
UGR ≤ 13	◦ absolut blendfreies Licht ◦ bildschirmtaugliche Arbeitsplatzleuchte nach DIN EN 12464-1
	◦ CAVITY lens 45° ◦ directional light through specially calculated LED glass lens ◦ absolutely uniform illumination with soft light spot due to structured lens surface ◦ effective light bundling with high luminous efficacy
	Zhaga-compliant CoB holder for simple and solder-free LED mounting

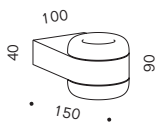


### technical data

#### variants

Wall S

sizes



weight

0,8 kg

#### light source

size/type	CCT	CRI	MacAdam SDCM	luminous flux (EEK)
LED	2700 K	Ra > 97	2 Step	110 lm/W (E)
	3000 K	Ra > 97	2 Step	115 lm/W (E)

Other versions (CCT/CRI) available on request.

#### control gear

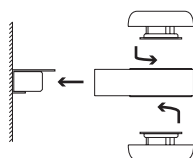
Wall S

TRIAC  
phase dimming 19 W

DALI  
PushDim 19 W

Please note: In addition to the DALI control gear, a DALI system requires a control gear and the appropriate bus wiring. In addition to the standard wiring L, N and PE, two further DALI control lines DA are required.

#### note



- convenient quick assembly
- easy cleaning



- convenient levelling of the luminaire on the wall



- control gear can be replaced by specialists.
- light source can be replaced by specialists.

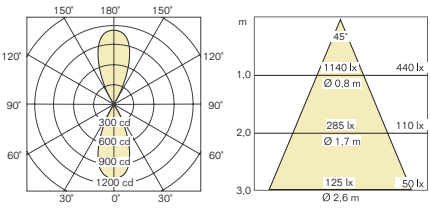
certificates






## lighting data

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

### CAVITY Wall S white

	CRI	luminous efficacy	power	luminous flux
3000K	Ra > 97, R9 > 80	69lm/W	19W	1316lm
distribution			light: directed downwards and upwards, laterally shielded	
UGR	≤ 13			

### 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 <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
Dim2Warm	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	5-core mains cable required for control via DALI
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.
PushDim	The PushDim function enables the use of a commercially available push-button, which can be used to regulate the brightness by pressing it for a longer period of time. A 5-wire mains cable is required.
Tunable White	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 <a href="http://www.serien.com/downloads">www.serien.com/downloads</a> 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 sheets. 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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