

APP

Data Sheet

Wall

DESIGN PLUS



APP • Front: Honeycomb



APP • Front: Gray



APP • Front: Fluorescent Green

Intelligent light, creative diversity! A formally reduced LED cube shows the power within. The wall luminaire APP is much more than just an energyefficient light source. Its double-layered front surface opens up immense creative scope also for customized versions and turns APP into a potential information carrier and guidance system.

Examples of applications:
APP works wonderfully as a solitaire, in a row, in a graphic or a consciously free configuration. In private spaces, in hotels, hospitals, surgeries, office buildings, corridors, entrance halls, staircases. APP achieves particularly beautiful effects on coloured walls.

Technical data sheet

The particularity of the double-layered front surface not only gives rise to optical depth and sculptural quality but at the same time opens up unimagined creative scope. Even the range of standard fronts available extends from different textured surfaces to restrained satin colors to mirrored surfaces and those with visual effects. In addition, there are virtually unlimited possibilities of customized solutions with individual front surfaces and prints. As such App can transport information, logos, room numbers, names or corporate design via company colors.

Design: Formfjord

Awards

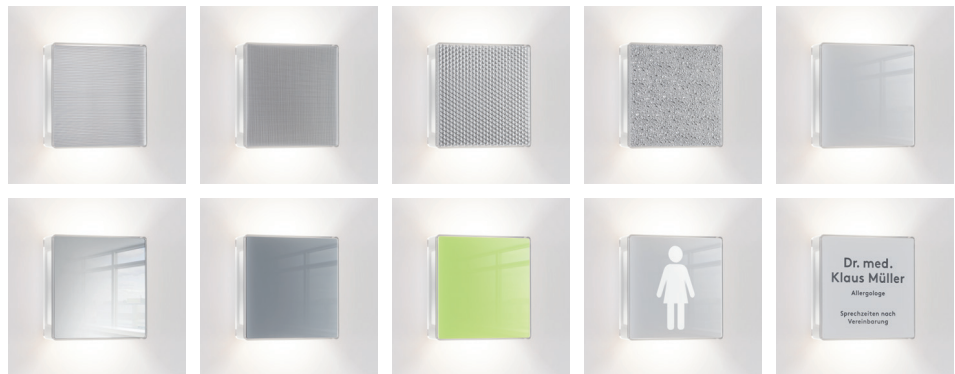
Iconic Award Interior Innovation – Winner, 2016
 Design Plus powered by Light+Building, 2016
 German Design Award – Special Mention, 2017

DESIGN PLUS

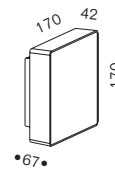


Material & surfaces

Cooling element	aluminum
Shade	polycarbonate
Front	Plexiglas®, genuine glass



Dimensions in mm




Technical data

Illuminant	LED 16-22 W, CRI Ra>90, EEK/EEI E	
Power	16 W	22 W
Luminous flux (nominal value) /	2100 lm	3000 lm
Color temperature 2700 K /	2160 lm	3090 lm
Color temperature 3000 K		
Operating voltage	primary 220- 240 V AC, secondary 36 V DC	
Control	TRIAC	0-10 V, DALI
Average lifetime LED	50.000 h*	
Warranty	2 years	
Weight	1,2 kg	
Features	LED exchangeable, DALI and 1-10 V-versions are suitable for the use in emergency lighting systems	
Marks	IP20/IP44 CE Ⓢ F Ⓢ	

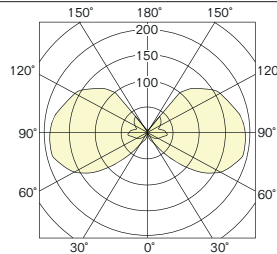
*Information according to the manufacturers. serien Raumluchten GmbH accepts no liability for the accuracy of the information.


Photometric data sheet

Two cutting-edge, replaceable LED circuit boards provide powerful and sustainable light. Intense light is dispersed symmetrically upwards and downwards, and reflected into the room from the wall, ceiling and floor. To the sides the light is softly diffused. As the backing plate is opaque, the choice of front surface has no influence on the ambient light itself. An efficient cooling body on the back of the cube ensures heat dissipation while providing an additional design element.

		Power	CRI	CCT	Luminous flux (measured value)
APP Wall		16 W	>90	2700 K	1030 lm
				3000 K	1060 lm
		22 W	>90	2700 K	1480 lm
				3000 K	1520 lm











Light: scattered upwards and downwards, sideways diffused



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

Article numbers

APP Wall

figure	description	lamp	control	power	CCT	art.-no.
	lighting unit	LED	TRIAC	16 W	2700 K	AP1001
					3000 K	AP1002
			0-10V	22 W	2700 K	AP1003
					3000 K	AP1004
					2700 K	AP1005
					3000 K	AP1006
	front ribbed					AP1101
	front pyramid					AP1102
	front honeycomb					AP1103
	front cracked ice					AP1104
	front white					AP1105
	front genuine glass mirror					AP1106
	front grey					AP1107
	front fluorescent green					AP1108
	front individual foil print					AP1199

APP is a modular article. Please order the light unit and front together.




Special versions

Fronts in all common Plexiglas® 3mm versions and with individual foil print available on request.
IP44 versions available on request; housing in polycarbonate not UV resistant.
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 wheelee 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

©Photography: Ingmar Kurth, Farideh Fotografie, Christoph Lison, Rendering: serien.lighting

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