

APP

Data Sheet



APP • Front: Honeycomb



APP • Front: Gray



APP • Front: Fluorescent Green

Intelligent light, creative diversity! A formally reduced LED cube shows the power within. The new wall luminaire App is much more than just an energy-efficient 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:

Singly, 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

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

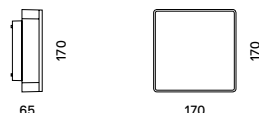
Iconic Awards 2016: Interior Innovation – Winner
Design Plus powered by Light+Building 2016



Material & surfaces

Material cooling element	aluminum		
Shade	polycarbonate		
Front	<div> <div>PLEXIGLAS® Textures clear</div> <div> <div>0A000R (Ribbed)</div> <div>0A000 Z (Pyramid)</div> <div>0A000 W (Honeycomb)</div> <div>0A000 E (Cracked Ice)</div> </div> <div>Customized</div> <div> <div>ABC e.g. letters</div> <div>123 e.g. numbers</div> <div> e.g. icons</div> <div> e.g. photos</div> </div> </div>		
	<div> <div>PLEXIGLAS® (Allround)</div> <div>WH10 GT (White)</div> <div>7C14 GT (Gray)</div> <div>Other</div> <div> Mirror</div> </div>		
	<div> <div>PLEXIGLAS® Fluorescent</div> <div>6C02 GT (Fluo. Green)</div> </div>		

Dimensions



Technical data

Illuminant	Midpower LED (The LED circuit board can be replaced by qualified staff)	
Power (nominal value) ¹	15 W	21 W
Luminous flux LED 2700 K (nominal value) ¹ / Color temperature 3000 K	1400 lm 1450 lm	1900 lm 2000 lm
Color rendering index	> 90 CRI (other color rendering indices available on request)	
Operating voltage	primary 220 – 240 V AC / 50 – 60 Hz, secondary 42 V DC (15 W and 21 W models also available as primary 110 V AC, secondary 42 V DC)	
Control ⁴	TRIAC	DALI 1 – 10V
Average lifetime LED	50.000 h ²	
Energy efficiency class	A++ to A	
Guarantee	2 years	
Mounting & cleaning	Easy mounting with Allen key. Only clean with (slightly damp) microfibre cleaning cloth.	
Weight	1160 g	

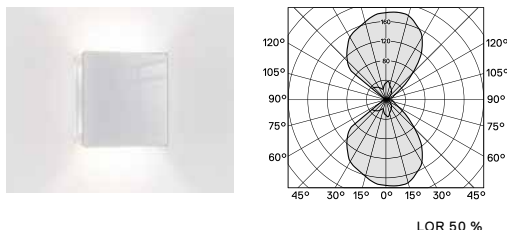


The crossed-out wheellie bin indicates that this electrical appliance must not be disposed of via household waste. In order to protect human health and the environment against potentially hazardous substances, at the end of its lifecycle this product can be taken to a collection point close to you and disposed of free of charge there. This separate disposal enables electrical appliances to be reused or recycled.

APP

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 (measured value) ¹	Color Temperature	CRI	Luminous flux (measured value) ¹
APP		17 W	2700 K	80	830 lm	
				90	660 lm	
			3000 K	80	850 lm	
				90	690 lm	
		23 W	2700 K	80	1190 lm	
				90	940 lm	
			3000 K	80	1220 lm	
				90	980 lm	
Light: scattered upwards and downwards, sideways diffused						




Please note:

You can download the photometric data (EULUMDAT) from <http://serien.com/downloads/>.



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.


Article numbers

Luminaire body		Output (nominal value) ¹	Control Technology ⁴	CRI ³	Color Temperature ³	Article Number
	APP	15 W	TRIAC	> 90	2700 K	AP1001
					3000 K	AP1002
	APP	21 W	1 – 10 V	> 90	2700 K	AP1003
					3000 K	AP1004
	APP	21 W	DALI	> 90	2700 K	AP1005
					3000 K	AP1006

Luminaire body USA

	APP	15 W	TRIAC	> 90	2700 K	AP1007
					3000 K	AP1008
	APP	21 W	1 – 10 V	> 90	2700 K	AP1009
					3000 K	AP1010

Front

	APP	PLEXIGLAS® Textures clear	0A000 R (Ribbed)		AP1101
	APP	PLEXIGLAS® Textures clear	0A000 Z (Pyramid)		AP1102
	APP	PLEXIGLAS® Textures clear	0A000 W (Honeycomb)		AP1103
	APP	PLEXIGLAS® Textures clear	0A000 E (Cracked Ice)		AP1104
	APP	PLEXIGLAS® (Allround)	WH10 GT (White)		AP1105
	APP	PLEXIGLAS® (Allround)	7C14 GT (Gray)		AP1107
	APP	PLEXIGLAS® Fluorescent	6C02 GT (Fluo. Green)		AP1108
	APP	Other	Mirror		AP1106
	APP	Customized	e.g. letters, numbers, icons, photos		AP1199

Recommended dimmers

The following list is the result of internal tests conducted in a controlled environment. However, in some cases there is a possibility that owing to technical specifications (e. g., drivers, cables, switches, etc.) a specific combination of dimmer and LEDs does not work. As such our recommendations do not represent a guarantee.

APP	15 W	TRIAC	BUSCH JÄGER 6523 U BUSCH JÄGER 6526 U
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¹ The nominal and measured values given refer to the illuminants employed at the time the data sheet was compiled. Subject to alterations.

² Specified by the manufacturer. serien Raumleuchten GmbH assumes no liability for the accuracy of the information.

³ Other versions available on request.

⁴ Control via DALI or 1-10V requires 5-wire mains cable.