

REFLEX²

Data Sheet

Ceiling S 150, 200, 300, 450, 600



REFLEX² S 450 • white



REFLEX² S 200 • white



REFLEX² S 600 • black

REFLEX² transfers the principle of the classic REFLEX luminaire to today's technology and aesthetic sensibilities. The precursor already presented a convincing lighting solution at the central ceiling connection in a space by employing a special ceiling reflector. REFLEX² now opens up this formerly closed body and further develops it into a delicate, elegantly rounded frame structure that contains the LED boards. Their light hits a prismatic reflector surface of the same basic dimensions.

Examples of applications:
Even at full power, REFLEX² creates an absolutely glare-free light, whose color may further be adjusted optional via Bluetooth from a warm lightbulb glow to pure white using Tunable White technology. As such, the subtle structure gives rise to intensive lighting moods in the space.

Technical data sheet

REFLEX² Floor takes up the principle of indirect lighting, which beams light into the space by means of a ceiling reflector or the ceiling, meaning that the luminaire can be put to effective use regardless of the color and properties of the ceiling, e.g., on dark ceilings. With different height versions, REFLEX² offers design options for any ceiling height.

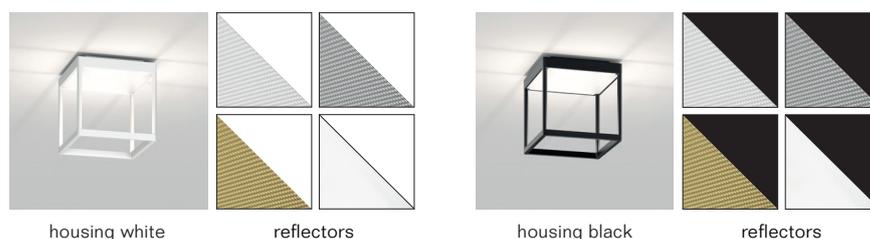
Design Jean-Marc da Costa

Awards

German Design Award Winner 2020

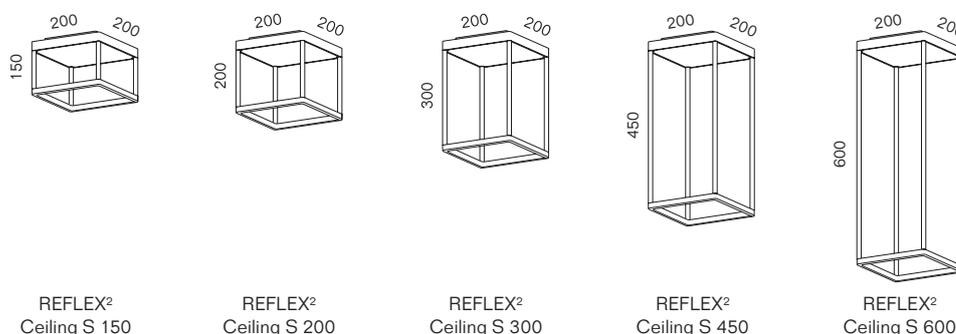


Material & surfaces



housing	aluminium black or white coated
reflector	Plexiglas® Pyramid structure rear-coated white, silver or gold or Plexiglas® matte white
lamp cover	glass semigloss

Dimensions in mm



Technical data

Illuminant	LED				
Power	33 W				
Color temperature	2200-3000 K D2W				
Luminous flux LED (nominal value)	Ø 4290 lm				
Operating voltage	220-240 V				
Control	TRIAC DALI, 1-10 V				
Average lifetime LED	50.000 h*				
Energy efficiency class	A				
Warranty	2 years				
Weight	1,3 kg	1,4 kg	1,4 kg	1,5 kg	1,5 kg
Features	LED exchangeable, easy assembly, reflector easily exchangeable				

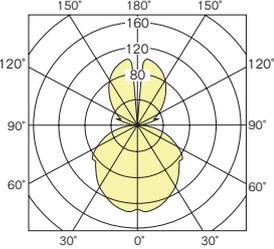
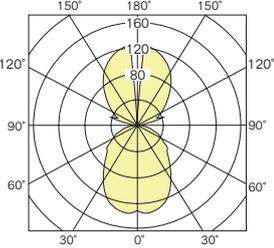
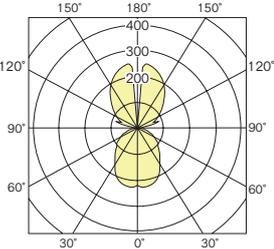
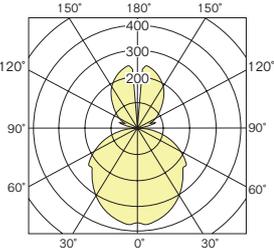
Marks



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

Photometric data sheet

REFLEX² creates an absolutely glare-free light, whose color may further be adjusted optionally via Bluetooth from a warm lightbulb glow to pure white using Tunable White technology.

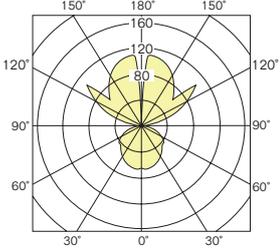
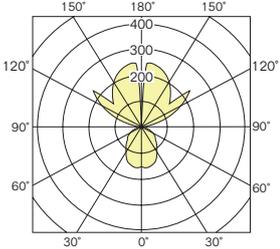
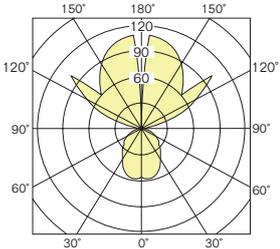
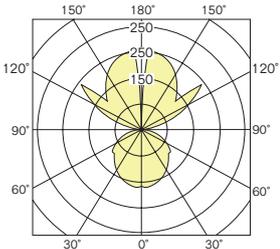
			Power	CRI	CCT	Luminous flux (measured value)
REFLEX² Ceiling S 150 Plexiglas® pyramid structure white			33 W	>90	2700 K	2250 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			2300 lm	
REFLEX² Ceiling S 150 Plexiglas® pyramid structure silver			33 W	>90	2700 K	2000 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			2050 lm	
REFLEX² Ceiling S 150 Plexiglas® pyramid structure gold			33 W	>90	2700 K	1930 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			1930 lm	
REFLEX² Ceiling S 150 Plexiglas® matte white			33 W	>90	2700 K	2360 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			2420 lm	



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

Photometric data sheet

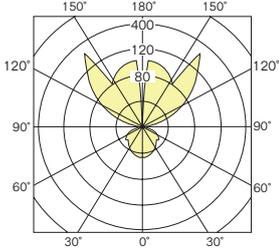
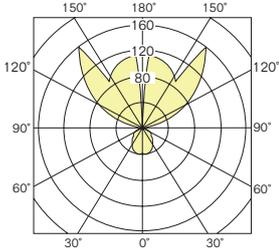
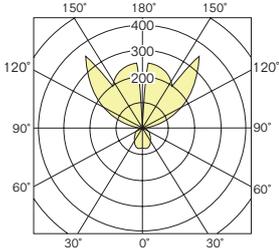
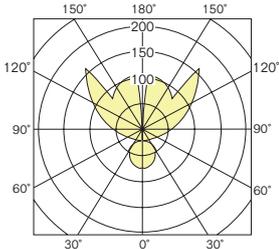
REFLEX² creates an absolutely glare-free light, whose color may further be adjusted optionally via Bluetooth from a warm lightbulb glow to pure white using Tunable White technology.

			Power	CRI	CCT	Luminous flux (measured value)
REFLEX² Ceiling S 200 Plexiglas® pyramid structure white			33 W	>90	2700 K	2310 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			2360 lm	
REFLEX² Ceiling S 200 Plexiglas® pyramid structure silver			33 W	>90	2700 K	2130 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			2180 lm	
REFLEX² Ceiling S 200 Plexiglas® pyramid structure gold			33 W	>90	2700 K	2080 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			2130 lm	
REFLEX² Ceiling S 200 Plexiglas® matte white			33 W	>90	2700 K	2390 lm
light: scattered upwars, diffuse all around due to reflector and ceiling		3000 K			2450 lm	


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Photometric data sheet

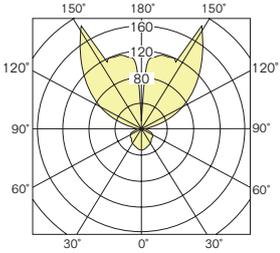
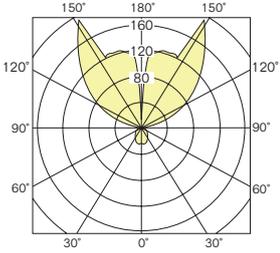
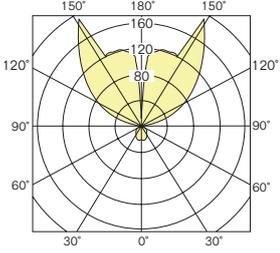
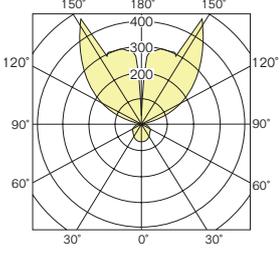
REFLEX² creates an absolutely glare-free light, whose color may further be adjusted optionally via Bluetooth from a warm lightbulb glow to pure white using Tunable White technology.

			Power	CRI	CCT	Luminous flux (measured value)
REFLEX² Ceiling S 300 Plexiglas® pyramid structure white			33 W	>90	2700 K	2380 lm
					3000 K	2430 lm
REFLEX² Ceiling S 300 Plexiglas® pyramid structure silver			33 W	>90	2700 K	2270 lm
					3000 K	2330 lm
REFLEX² Ceiling S 300 Plexiglas® pyramid structure gold			33 W	>90	2700 K	2240 lm
					3000 K	2290 lm
REFLEX² Ceiling S 300 Plexiglas® matte white			33 W	>90	2700 K	2430 lm
					3000 K	2490 lm

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Photometric data sheet

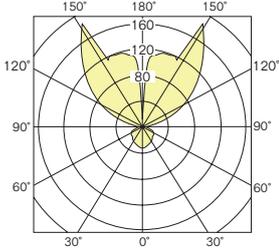
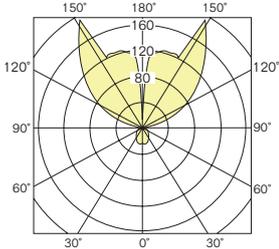
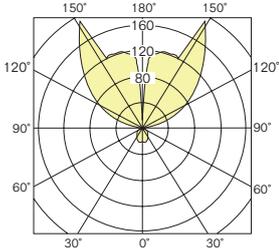
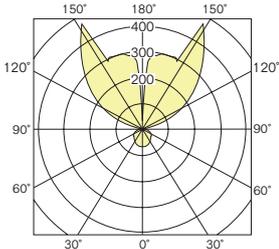
REFLEX² creates an absolutely glare-free light, whose color may further be adjusted optionally via Bluetooth from a warm lightbulb glow to pure white using Tunable White technology.

			Power	CRI	CCT	Luminous flux (measured value)
REFLEX² Ceiling S 450 Plexiglas® pyramid structure white			33 W	>90	2700 K	2400 lm
					3000 K	2460 lm
REFLEX² Ceiling S 450 Plexiglas® pyramid structure silver			33 W	>90	2700 K	2320 lm
					3000 K	2380 lm
REFLEX² Ceiling S 450 Plexiglas® pyramid structure gold			33 W	>90	2700 K	2290 lm
					3000 K	2350 lm
REFLEX² Ceiling S 450 Plexiglas® matte white			33 W	>90	2700 K	2440 lm
					3000 K	2500 lm

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Photometric data sheet

REFLEX² creates an absolutely glare-free light, whose color may further be adjusted optionally via Bluetooth from a warm lightbulb glow to pure white using Tunable White technology.

			Power	CRI	CCT	Luminous flux (measured value)
REFLEX² Ceiling S 600 Plexiglas® pyramid structure white			33 W	>90	2700 K	2420 lm
					3000 K	2480 lm
REFLEX² Ceiling S 600 Plexiglas® pyramid structure silver			33 W	>90	2700 K	2360 lm
					3000 K	2420 lm
REFLEX² Ceiling S 600 Plexiglas® pyramid structure gold			33 W	>90	2700 K	2340 lm
					3000 K	2400 lm
REFLEX² Ceiling S 600 Plexiglas® matte white			33 W	>90	2700 K	2450 lm
					3000 K	2510 lm

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

Article numbers

REFLEX² Ceiling S

figure	description	lamp	control	power	CCT	art.-no.
●	150 black	LED	TRIAC	30 W	2200–3000K D2W	RE2401
			DALI 1–10 V	35 W	2200–3000K D2W	RE2402
					2200–3000K D2W + C	RE2402C
○	150 white	LED	TRIAC	30 W	2200–3000K D2W	RE2403
			DALI 1–10 V	35 W	2200–3000K D2W	RE2404
					2200–3000K D2W + C	RE2404C
●	200 black	LED	TRIAC	30 W	2200–3000K D2W	RE2501
			DALI 1–10 V	35 W	2200–3000K D2W	RE2502
					2200–3000K D2W + C	RE2502C
○	200 white	LED	TRIAC	30 W	2200–3000K D2W	RE2503
			DALI 1–10 V	35 W	2200–3000K D2W	RE2504
					2200–3000K D2W + C	RE2504C
●	300 black	LED	TRIAC	30 W	2200–3000K D2W	RE2601
			DALI 1–10 V	35 W	2200–3000K D2W	RE2602
					2200–3000K D2W + C	RE2602C
○	300 white	LED	TRIAC	30 W	2200–3000K D2W	RE2603
			DALI 1–10 V	35 W	2200–3000K D2W	RE2604
					2200–3000K D2W + C	RE2604C
●	450 black	LED	TRIAC	30 W	2200–3000K D2W	RE2701
			DALI 1–10 V	35 W	2200–3000K D2W	RE2702
					2200–3000K D2W + C	RE2702C
○	450 white	LED	TRIAC	30 W	2200–3000K D2W	RE2703
			DALI 1–10 V	35 W	2200–3000K D2W	RE2704
					2200–3000K D2W + C	RE2704C
●	600 black	LED	TRIAC	30 W	2200–3000K D2W	RE2901
			DALI 1–10 V	35 W	2200–3000K D2W	RE2902
					2200–3000K D2W + C	RE2902C
○	600 white	LED	TRIAC	30 W	2200–3000K D2W	RE2903
			DALI 1–10 V	35 W	2200–3000K D2W	RE2904
					2200–3000K D2W + C	RE2904C

REFLEX² Ceiling S Reflector

figure	description	Art.-Nr.
○	pyramid structure white	RE3051
●	pyramid structure silver	RE3052
●	pyramid structure gold	RE3053
○	matte white	RE3054

REFLEX² is a modular article. Please order the lamp unit and reflector together.

Special versions

Other versions (CCT/CRI), different coatings and special lengths 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	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

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