



The acoustic luminaire



Luminosonic

Stylish, bright and easy to install: three plus points that clearly speak in favour of Luminosonic. But the luminaire can do more – it absorbs sound! The intensity with which it does this is determined by the use of the room, the desired surface and the design concept. The use of Luminosonic for the systems S 3 and S 19 Teccor is very simple: insert the luminaire into the ceiling grid, then insert the ceiling tile with the selected surface and the desired absorption value – and you're done. No matter whether a new ceiling is to be installed or an existing one is to be equipped with new, energy-efficient LED luminaires. Not only does Luminosonic adapt, it also maintains the full absorption power of the ceiling!



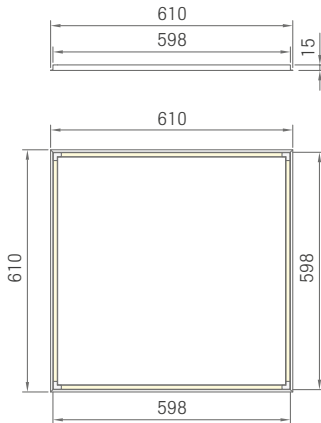
Luminaire body	LED recessed luminaire as an acoustic luminaire with inserted OWAacoustic® mineral panel
Application areas	Office spaces°, schools, public buildings with a focus on energy efficiency
Combinable systems	S 3, S 3 cliq, S 3a, S 3a cliq, S 19 Teccor, S 33

° The luminaire slightly exceeds the UGR value.

Technical data

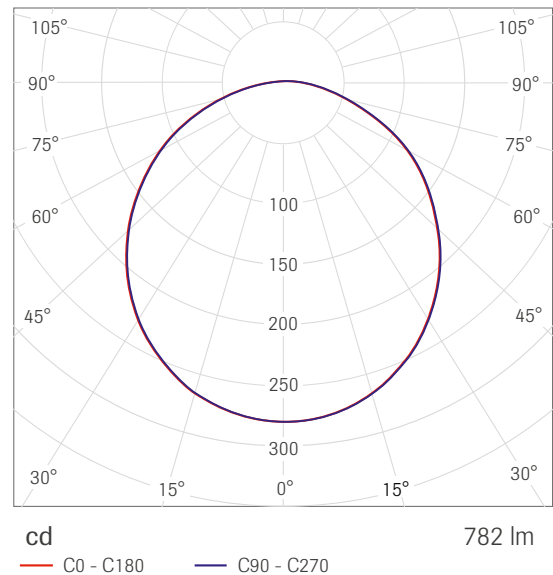
Description	Luminosonic
OWA-No.	Lumino Sonic
Part No.	00076669
Input voltage	220 - 240 V, 50 - 60 Hz, DC
Power consumption	40 W
Dimensions approx. (L x W x H)	610 x 610 x 14 mm
Grid dimensions (L x W)	625 x 625 mm
Luminous flux	Approx. 3130 lm
Light colour	4,000 K
Weight	Approx. 0.4 kg/Stück
Ambient temperature	-20 °C to +60 °C
Colour rendering (Ra)	> 80
Protection class	IP 20
Safety class	SK I
Integrated power supply unit	Total height incl. converter: 15 mm, weight 0.25 kg
Service life	50,000 hours / L70
Dimming	DALI dimmable
Absorption α_w /NRC	Depending on the OWAacoustic® mineral tile selected. Example Sinfonia: 0.85/0.85

Drawing

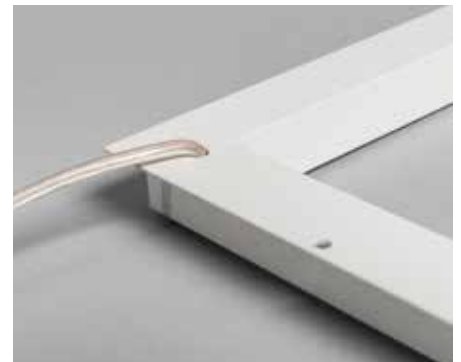


Lighting calculation and light curve

Glare rating according to UGR											
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
X	Y										
2H	2H	25.9	27.2	26.2	27.4	27.7	25.9	27.2	26.2	27.4	27.7
	3H	27.7	28.9	28.0	29.1	29.4	27.7	28.9	28.0	29.1	29.4
	4H	28.3	29.4	28.7	29.7	30.0	28.3	29.4	28.6	29.7	30.0
	6H	28.7	29.8	29.1	30.1	30.4	28.7	29.8	29.1	30.1	30.4
	8H	28.9	29.9	29.2	30.2	30.5	28.8	29.8	29.2	30.2	30.5
4H	12H	28.9	29.9	29.3	30.2	30.6	28.9	29.9	29.3	30.2	30.5
	2H	26.5	27.6	26.8	27.9	28.2	26.5	27.6	26.8	27.9	28.2
	3H	28.5	29.4	28.8	29.7	30.1	28.4	29.4	28.8	29.7	30.1
	4H	29.2	30.1	29.6	30.4	30.8	29.2	30.1	29.6	30.4	30.8
	6H	29.8	30.5	30.2	30.9	31.3	29.8	30.5	30.2	30.9	31.3
8H	8H	30.0	30.6	30.4	31.0	31.4	29.9	30.6	30.4	31.0	31.4
	12H	30.1	30.7	30.5	31.1	31.5	30.0	30.6	30.5	31.1	31.5
	4H	29.5	30.2	30.0	30.6	31.0	29.5	30.2	29.9	30.6	31.0
	6H	30.2	30.7	30.6	31.2	31.6	30.2	30.7	30.6	31.1	31.6
	8H	30.4	30.9	30.9	31.3	31.8	30.4	30.9	30.9	31.3	31.8
12H	12H	30.6	31.0	31.1	31.4	31.9	30.5	30.9	31.0	31.4	31.9
	4H	29.5	30.1	30.0	30.6	31.0	29.5	30.1	30.0	30.5	31.0
	6H	30.2	30.7	30.7	31.2	31.6	30.2	30.7	30.7	31.1	31.6
8H	30.5	30.9	31.0	31.3	31.8	30.4	30.9	30.9	31.3	31.8	
Variation of the observer position for luminaire distances S											
S = 1.0H		+0.1 / -0.1					+0.1 / -0.1				
S = 1.5H		+0.2 / -0.4					+0.2 / -0.4				
S = 2.0H		+0.4 / -0.7					+0.4 / -0.7				
Standard table		BK06					BK06				
Correction summand		14.2					14.2				
Corrected glare indices based on 782 lm total luminous flux											



Detail images





Product warranties

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