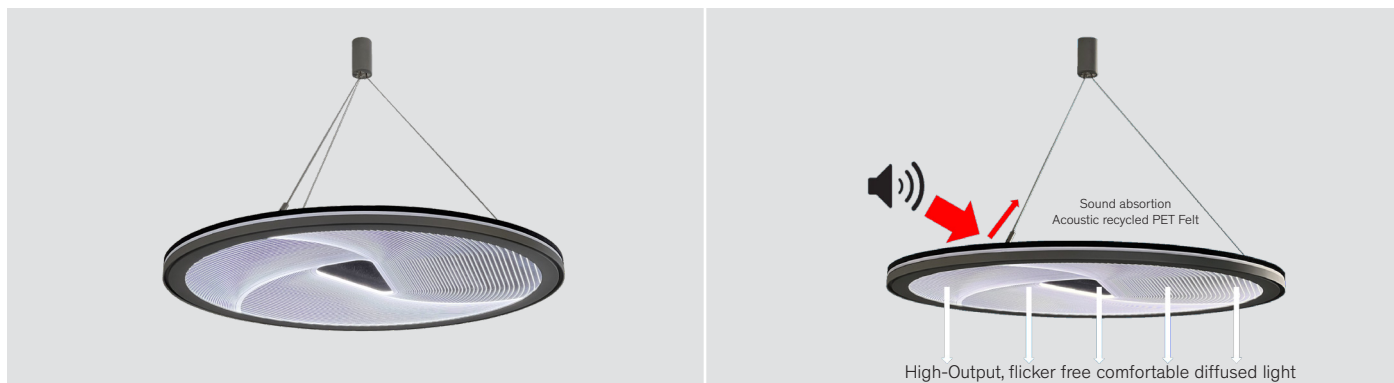
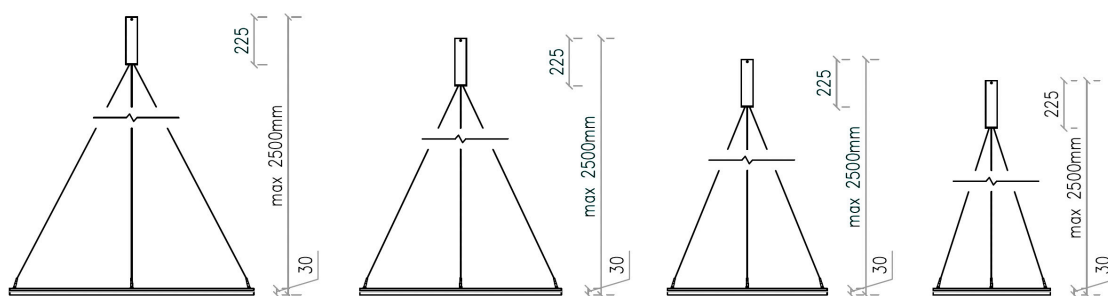


AkuDisc

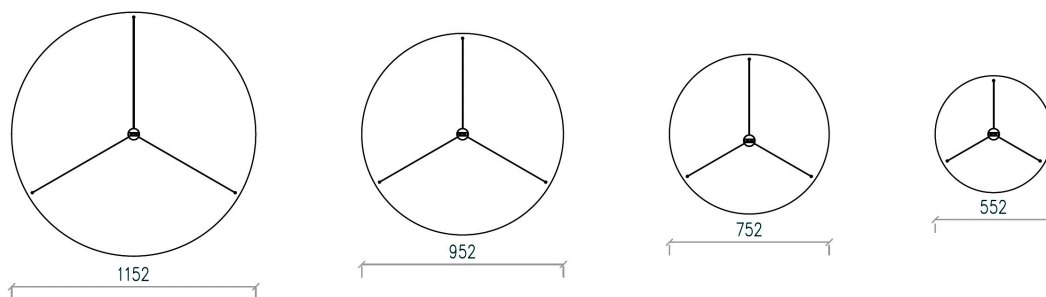
AkuDisc - a fully configurable, circular, disc shaped, LED based , acoustic pendant luminaire. Available diameters: 550mm, 750mm, 950mm and 1150mm. Acoustic disc is made of recycled PET felt with excellent acoustic & fire properties. Choice of felt colours. Ring profile supplied in multiple colours & finishes.



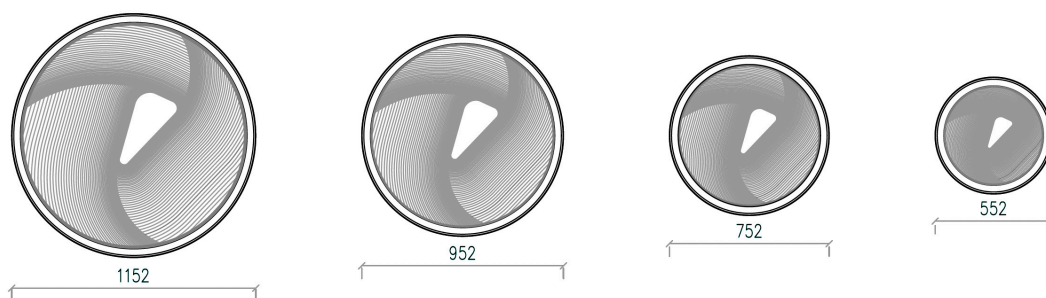
Dimensions AkuDisc



Side elevation



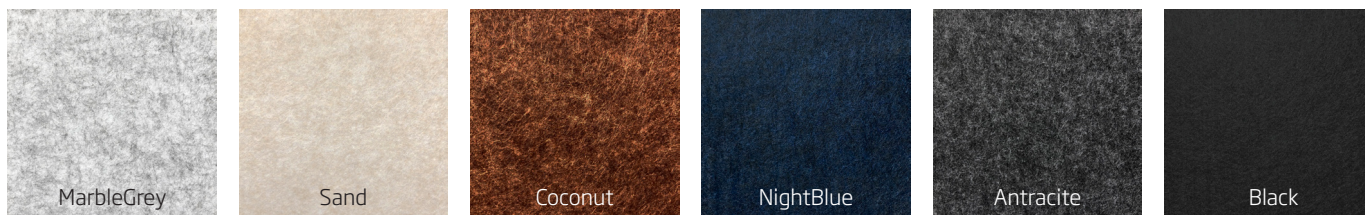
Top view



Bottom view

Design Options

Disc - felt colours



Ring colours

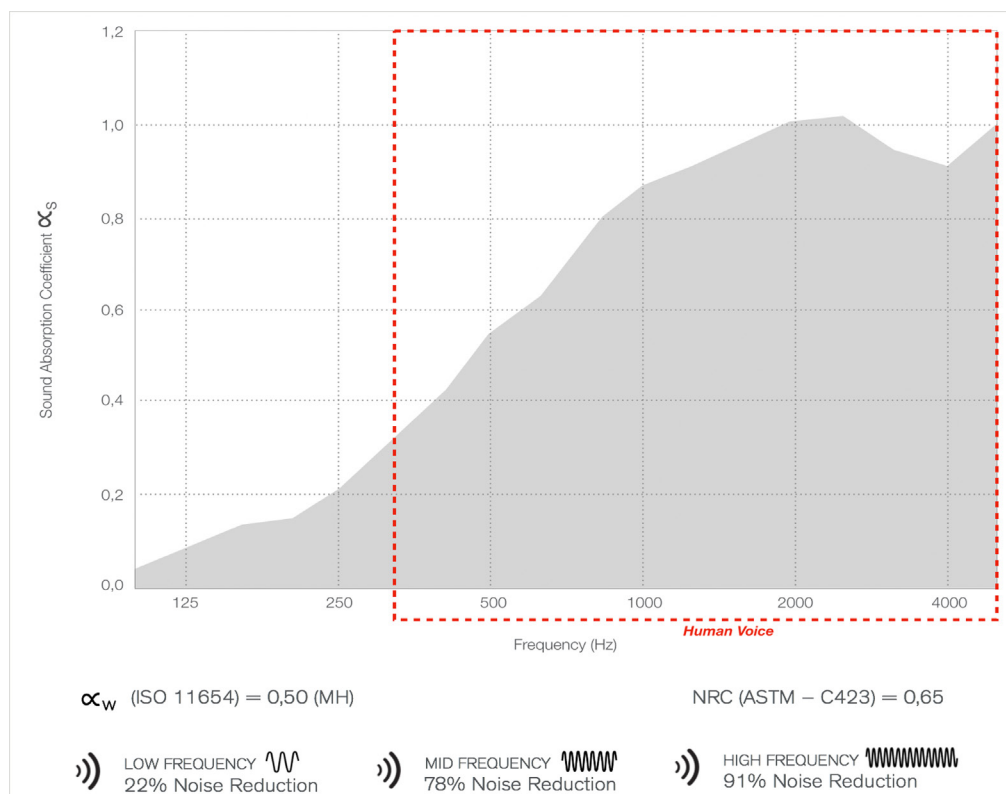


Acoustic Performance

AkuDisc is designed to excel from an acoustic, as well as a lighting perspective.

The top disc is made of recycled PET felt with outstanding acoustic/sound absorbing properties, whereas the high-grade acrylic Light Guide, delivers high output flicker-free light.

The void between the top disc and the Light Guide enhances AkuDisc's acoustic performance to unmatched levels.

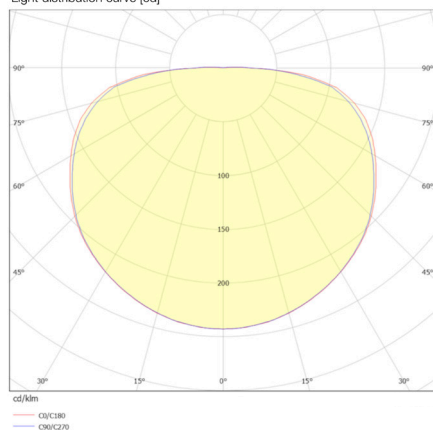


LED Options

Standard | 24V Tuneable White - 2200 to 5000K

Light Performance

Light distribution curve [cd]



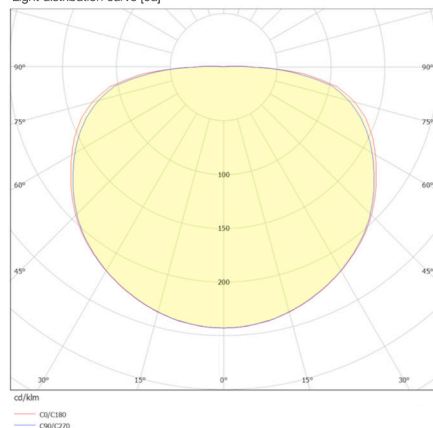
AkuDisc		Calculated Flux Luminaire			
CCT		550mm	750mm	950mm	1150mm
Tuneable White Max	2200-5000K	3.519lm	4.937lm	6.356lm	7.777lm
Tuneable White: Max output (Flux) at 3600K CRI: 90 Standby power: 0,5W Rated median useful life: 90.000h L80 at 55C Colour tolerance: MacAdam 3					

High Performance | 48V

CCT Standard White - 2700K, 3000K, 4000K, 5000K, 6500K / Tunable White - 2200K to 6500K

CRI 80 / CRI 90 optional for 3000K, 4000K

Light distribution curve [cd]



AkuDisc		Calculated Flux Luminaire			
CCT		550mm	750mm	950mm	1150mm
White	2700 K	3.778lm	5.301lm	6.824lm	8.349lm
	3000K	3.993lm	5.602lm	7.212lm	8.824lm
	4000K	4.293lm	6.024lm	7.754lm	9.488lm
	5000K	4.293lm	6.024lm	7.754lm	9.488lm
	6500K	4.293lm	6.024lm	7.754lm	12.314lm
Tuneable White Norm	2200-6500K	8.647lm	11.789lm	14.936lm	18.047lm
Tuneable White Max	2200-6500K	8.647lm	11.789lm	14.936lm	18.047lm
Tuneable White: normalised output, or max output (flux) at 3720K CRI: 80. CRI 90 optional for 2700K, 3000K, 4000K Standby power: 0,5W Rated median useful life: 100.000h L80 at 25C Colour tolerance: MacAdam 3					

Control

24V System

For dimming and colour control, 24V AkuDisc is controlled by a 2-channel Casambi PWM Controller. Panels can be controlled by a Casambi Wireless Wall Switch or Casambi Wireless Mobile App. Integration in a Dali Network, using a Casambi / Dali converter is a standard option.

48V System

For dimming and colour control, 48V AkuDisc is equipped with a proprietary Dali 2 LED driver (type DT6 or DT8). A full range of fixed and wireless control options is available. Panels can be controlled by a Wireless Wall Switch, Casambi Wireless Mobile App, or by a Dali-bus. Supports daylight, motion sensors etc. IOT and HCL ready.

Proporties

Acoustic pendant luminaire using 9mm fire rated recycled PET felt to form an acoustic disc. Acoustic performance enhanced by a carefully designed void between the felt disc and the Light Guide. Light Guide produced from 6mm high-grade satin acrylic CNC etched using a proprietary algorithm .

Precisely CNC milled high-grade aluminium ring profile for optimal heat-sink and finest finish.