

ECO PET the Lamp



absorption



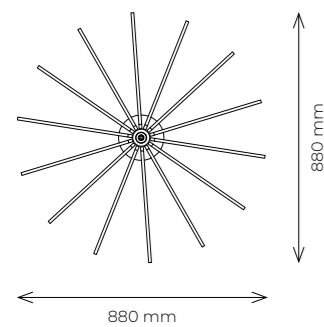
mid tones



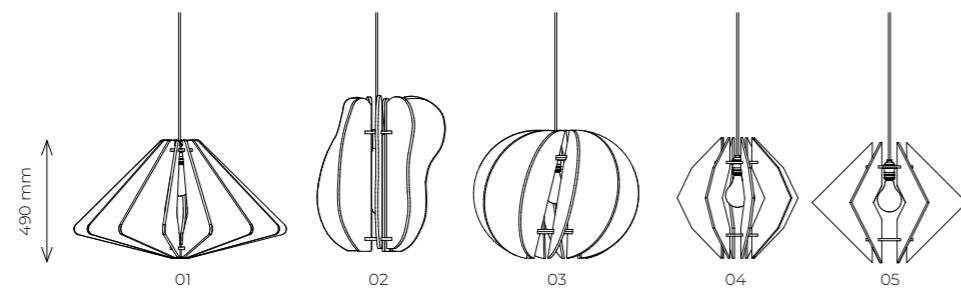
high tones

EcoPET the Lamp is an acoustic light fitting with high sound absorption efficiency. It is made of EcoPET and EcoFELT, non-dusting and 100% environmentally friendly materials. By replacing standard lamps, EcoPET the Lamp will not only provide proper lighting, but also reduce reverberation noise, ensuring perfect comfort and silence in any interior.

top view of an exemplary lamp - shape 01



exemplary shapes



Size

Various sizes and shapes available, depending on the design concept.

Thickness

9 - 15 mm

Area weight

2 000 - 2 900 g/sqm

Material

EcoPET and EcoFELT - pressed polyester PET fibers. Colour guide available on request.

Fire safety

Made out of materials with flammability class at least C-s2, d0.

Designer

IAMC Team

Country of production

Poland

Category

absorption

Description

EcoPET the Lamp is an acoustic sound-absorbing light fitting. It is made of compressed PET polyester fibers - a non-toxic, odorless and non-dusting material. The ability to cut elements in various shapes and colours makes EcoPET the Lamp also a decor element of the room and fits well with design of any interior. The Lamp is mounted using standard ceiling or wall lamp fixing systems.

Application

Standard office and open-plan spaces, lobbies, corridors and waiting rooms, conference rooms, restaurants, interiors in private homes and public buildings, e.g. schools, universities, libraries, agencies.

Custom-made

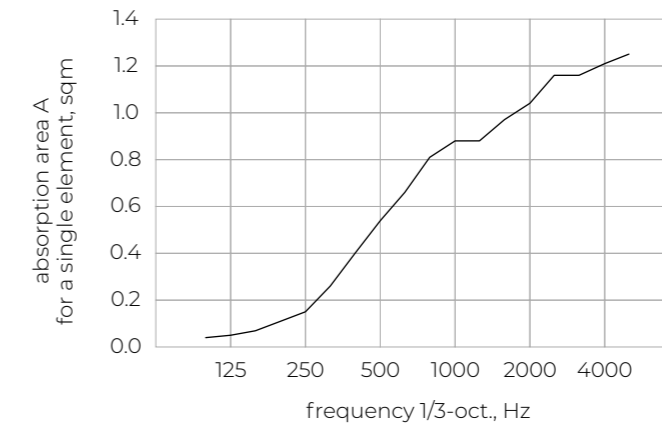
Depending on the design concept, different sizes, colours (single-colour with EcoPET material or two-colour or multi-colour with additional EcoFELT material) and shapes are available.

Additional information

The product was designed as part of the research and development project "Development of Integrated Acoustic Modifying Components Technology" (IAMC), co-financed by the European Union under the European Regional Development Fund. Agreement number: POIR.01.01.01-00-0965 / 18-00



Architected Sound EcoPET the Lamp – sound absorption



Absorption area A for a single element, sqm

frequency 1/1 oct.	—
125 Hz	0.10
250 Hz	0.20
500 Hz	0.50
1000 Hz	0.90
2000 Hz	1.10
4000 Hz	1.20

— lamp made of 9 mm thick PET, pattern 01 *

* measurements carried out in accordance with PN-EN ISO 354: 2005