

ENVIRONMENTAL PRODUCT DECLARATION

PODGY PENDANT

DESIGNED BY KRØYER – SÆTTER – LASSEN



Please Wait to be Seated is committed to sustainability in the design and manufacture of products. This commitment has allowed us to differentiate our approach and processes in several development areas.

Please Wait to be Seated has chosen to provide Environmental Product Declarations for its products, to show the environmental impact through their Life Cycle.

For more details, please visit:
www.pleasewaittobeseated.com

Shown in the picture: PODGY Pendant Turmeric Yellow

Disclaimer: This EPD was not written to support comparative assertions. EPDs are based on PCRs and different calculation models that are checked with our designers and manufacturers. The EPDs show the life cycle assessment and impact of products from different materials. The user should be aware of the certainty in the final results due to the quality of the source of the data in the study and software tool used to conduct the calculations.

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Please Wait to be Seated A/S
Podgy Pendant EPD (Environmental Product Declaration)

This declaration is an environmental product declaration (EPD) which rely on Life Cycle Assessment (LCA) to provide information on a number of environmental impacts of products over their life cycle. EPDs are registered documents that communicate transparent and comparable information about the life-cycle environmental impact of products in a credible way. LCAs do not address the site-specific environmental impacts of raw materials involved in the product, nor are they meant to assess human health toxicity. EPDs can complement but not replace tools and certifications that are designed to address these impacts.

PRODUCT DEFINITION & PRODUCT DESCRIPTION

PODGY strives to create an accurate illumination that serves the needs of everyday life. By combining several classic elements from Scandinavian design heritage with a refined expression focusing on composition and materiality Krøyer-Sætter-Lassen has put PODGY into a contemporary present. Integral to PODGY is a honeycomb aluminium structure that casts a pleasingly diffuse light while also providing directed illumination.

The spherical dimmer on top of PODGY lets you adjust the density and intensity of light, besides changing the look and feel of the lamp, creating a playful interaction between the lamp and you.

Designer: Krøyer-Sætter-Lassen

COLOUR & MATERIAL

Four different colours are available for PODGY pendant.
Ash Grey, Turmeric Yellow, Navy Blue and White dimmer. All with 4 m cord, CE version.

MEASUREMENTS

H: 77 cm
Seat H: 44,5 cm - Seat W: 40 cm - Seat D: 48 cm

ATTRIBUTE	VALUE
Product Category	Light
Product Dimensions	H: 77 cm x SH: 44,5 cm x SW: 40 cm x D: 48 cm
Product Mass	6.00 kg (13.23 lbs.)
Post-consumer recycled content	64%

Table 1: Reference product attributes

FUNCTIONAL UNIT

The PODGY Pendant with its honeycomb aluminium structure, casts a pleasingly diffuse light while also providing directed illumination.

MATERIAL COMPOSITION

The material composition of the declared Please Wait to be Seated PODGY Pendant is given in Table 2.

MATERIAL	KG, PER LAMP	LBS, PER LAMP
Recycled paper fibers	2,50	5,11
Aluminium	1,95	4,29
Polyethylene (PE-HD molded)	0,550	1,21
Steel	0,300	0,66
Laquer-paint solved	1,10	2,42

Table 2: Reference product materials composition

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IMPACT ASSESMENT CATEGORIES

Main emission sources (pr material group) calculated in KG is given in Table 3.

MATERIAL	TOTAL IMPACT, KG CO2 EMISSION
Aluminium	57,68 KG Co2-e
Recycled Paper Fibers	14,12 KG Co2-e
Power Supply & Wire	13,25 KG Co2-e
Surface Finish & Chemicals	1,58 KG Co2-e
Steel	1,39 KG Co2-e

Table 3: Main emission sources (pr material group)

LIFE CYCLE STAGES

The life cycle stages are summarized in the flow diagram shown in the figure below.
A cradle-to-gate analysis was conducted for this EPD.



- Materials acquisition and pre-processing starts when the material is extracted from nature and ends when the material reaches the production facility or service delivery stage.
- The production stage is a cradle-to-gate stage which is an assessment of a partial product life cycle from resource extraction (cradle) to the factory gate, before it is transported to the consumer. This process starts with the product components entering the production facility and ends with the final product until the delivery stage included.
- Product distribution and storage are included in the next stage, along with product usage and maintenance. This use stage begins when the consumer receive the product and it includes repair in the next 2 years of usage, after the purchase.
- The end-of-life stage starts when the product is ready for disposal, which includes the return to nature, or transformed to be a recycled or reused one.

IMPACT ASSESMENT - CLIMATE BAR

The Målbar tool calculates the total climate footprint emitted from the product. This is calculated according to the EU Product Environmental Footprint (EU PEF) rules and presented according to EN 14067 (Carbon footprints of products). The Carbon Footprint is the total quantity of greenhouse gas (GHG) emissions associated with the full lifecycle of the product.

In this case, that includes the impacts associated with raw materials and emissions from manufacturing (materials and resources), transport, in use (cleaning) impacts and impacts at end of life (reuse, recycling, incineration, landfill etc.). The tool calculations are very accurate and will also reflect the geographical location but they are based on average material and process data.

Details about Målbar: <https://www.maalbar.dk/>

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IMPACT ASSESMENT - CLIMATE BAR DATA

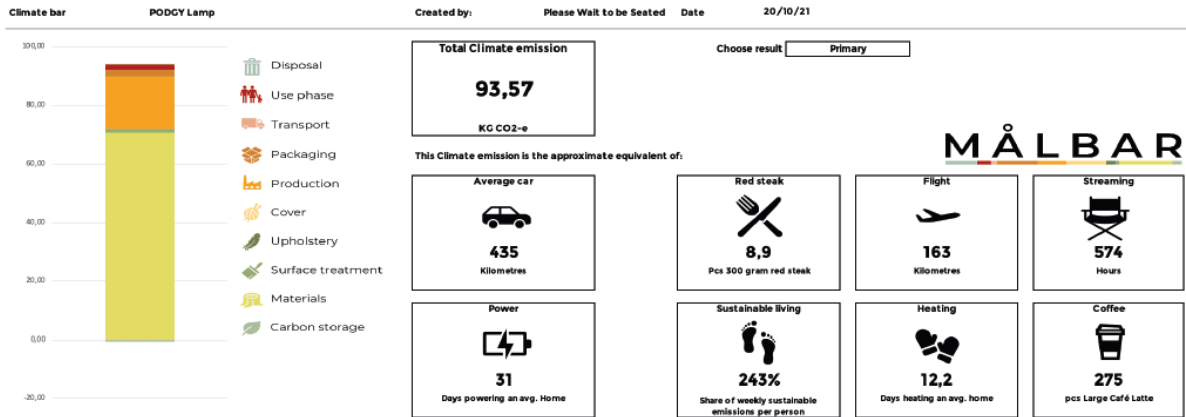


Table 4: Total Climate Emission

Main emission sources (pr material group)

Group	Total impact
Solid Wood	0,00 kg CO2-e
Plastic	14,12 kg CO2-e
Cover	0,00 kg CO2-e
Standard Components	0,00 kg CO2-e
Electronics	13,25 kg CO2-e
Metal	60,69 kg CO2-e
Packaging	2,84 kg CO2-e
Upholstery	0,00 kg CO2-e
Wood Based Board	0,00 kg CO2-e
Surface Finish & Chemicals	1,58 kg CO2-e
Glass / Stone / Ceramics	0,00 kg CO2-e

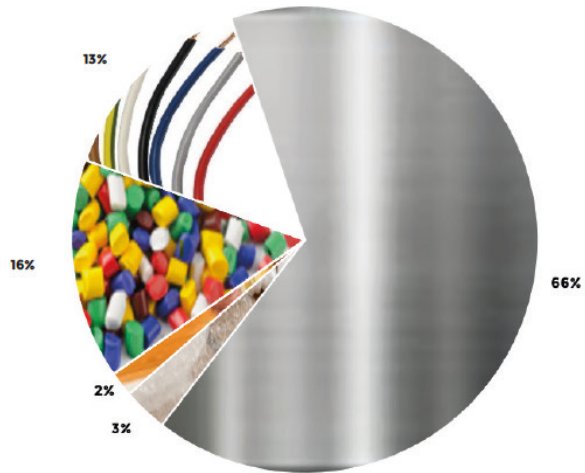


Table 5: Main emission sources (pr material group)

Main emission sources (pr element)

Element	Material	Total impact
Metal 3	Alu. tube/profile	57,68 kg CO2-e
Plastic part 1	Recyc. paper fibers	14,12 kg CO2-e
Electronic component1	Power supply with cables + connectors kg	13,25 kg CO2-e
Cleaning & maintenance	Cleaning & maintenance	1,84 kg CO2-e
Main packaging	Cardboard box, no print	1,81 kg CO2-e
Surface finish,Chemicals1	Lacquer/paint water on metal/plastic,	1,58 kg CO2-e
Metal 2	Steel bracket/bent steel sheet	1,39 kg CO2-e
Metal 4	Alu. tube/profile for anodizing	1,38 kg CO2-e
Packaging materials1	Cardboard box, printed	0,98 kg CO2-e
Metal 1	Steel, machined	0,23 kg CO2-e
Packaging materials2	Cardboard inlay	0,05 kg CO2-e

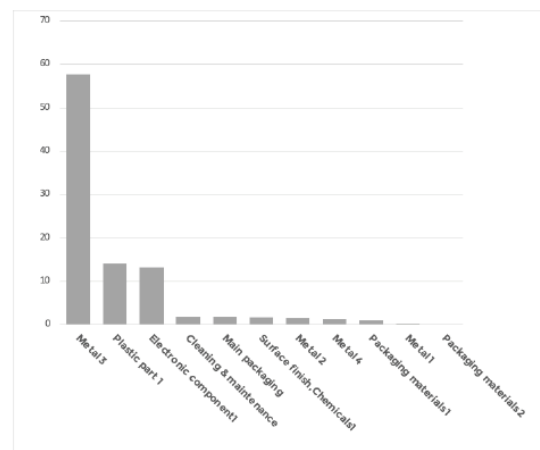


Table 6: Main emission sources

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REFERENCES

EU PEF (2012) European Commission: Institute for Environment and Sustainability H08 Sustainability Assessment Unit, Product Environmental Footprint (PEF) Guide.

ISO. (2006) ISO 14044: Environmental management - Life Cycle assessment - Requirements and guidelines.

CONTACT INFORMATION

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