louis poulsen

Environmental Product Specifications

— Panthella Portable V3

Product description

- This portable table lamp emits a glare-free, soft, and comfortable light.
- The Opaque shade variants reflects the light downwards and provides pleasant illumination created by the inner white painted shade and the reflection from the trumpet-shaped stem.
- The opal acrylic variants provides gentle illumination and subtle ambience due to the transparency and the reflection of the downward light on the inner side of the shade.

Product info

Mounting

Mounting USB-C to USB-C cable for standard USB adapter (min. 1.5A). Battery: 1 x Li-Ion 18650 (3100 mAh), rechargeable and replaceable. Battery lifetime: 8,5 hours at 100%. White light indicator on base when charging. Touch switch on top nut. Step dimming function. Power off: Medium press. Lock/Unlock: Long press.

Finish

Opal with painted base, Opal with plated base, Opaque with painted base, Opaque with plated base.

Light source

LED 2700K 2.5W. Lumen: 150.

Sizes and weights

Width x Height x Length (mm)
160 x 241 x 160 Max 0.4 kg

Class

Ingress protection IP44. Electric shock protection III.

Product family


Panthella Table 320


Panthella Portable Metal


Panthella Table


Panthella Floor


Panthella MINI

Material information

RoHS

This product is compliant with the requirements contained in the European Directives, RoHS Directive 2011/65 and 2015/863.

REACH candidate List

To the best of our knowledge and based on the information provided by our suppliers, the product does not contain more than 0.1 percent (in weight terms) of any deliberately added SVHCs.

Packaging

The product is packaged in a plastic bag with a cardboard. The packaging material can be easily sorted and treated in waste recycling channels. The packaged product is delivered on a returnable wooden pallet.

Recycled raw material

Cardboard is made from min. 65% recycled fiber mass. Additional cardboard material comes from an FSC approved sources.

Recycling

We encourage everyone to take care of the product - even at the end of the product's lifetime. We also offer spare parts, so that we can extend the product lifetime even further.

The luminaires contain valuable materials. They therefore have to be decommissioned and dismantled for reuse of materials in other products.

This product is designed so that 100% of the product can be disassembled and reused.

Louis Poulsen is part of ELRETUR which ensures that electronic waste (WEEE) across of Europa is reused.

This product must be treated as electronic waste:

Life Cycle Screening

Background

Our carbon footprint is the total quantity of greenhouse gas (GHG) emissions associated with the full lifecycle of the product. This 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.).

Basis of calculation

This is calculated according to the EU Product Environmental Footprint and presented according to ISO 14067 (Carbon footprint of products).

EU Product Environmental Footprint (PEF)

The PEF methodology is a new standard, introduced by the European Commission.
The mission: to strengthen the (European) market for green alternatives and ensure that environmental impact is transparently assessed.

European Commission

Use stage

The product use stage is calculated for a lifetime of 15 years with 1,000 hours of use each year in Europa, as required by the reference in PEF.

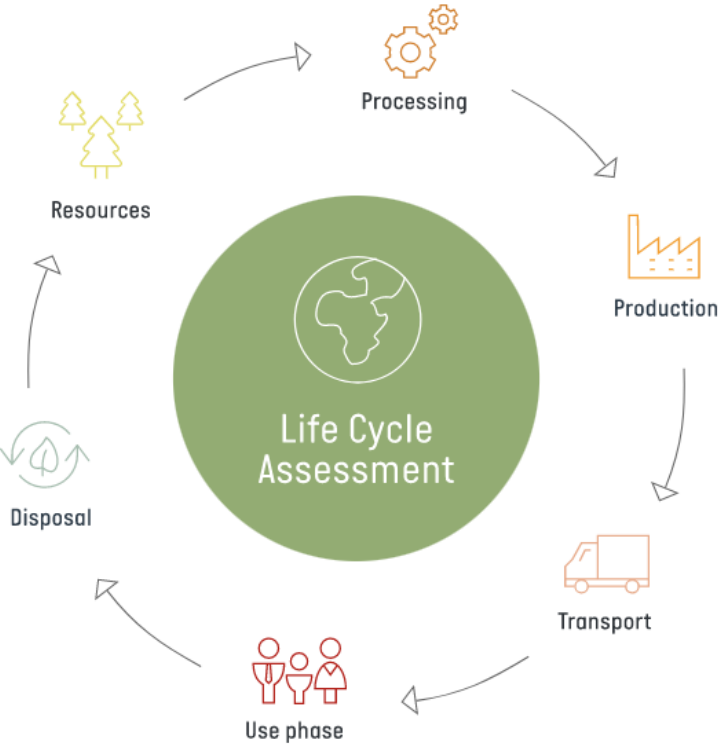
The electricity is based on the European energy mix, with data from: the European Environment Agency Greenhouse gas emission intensity of electricity generation.

Transport

1.200 km national or 3.500 km for export transport is calculated for the product from factory to end customer as required by the reference in PEF.

Uncertainties associated with these calculations

Calculation of emission levels is associated with uncertainty. This means that results may vary from actual levels. By using the PEF method, uncertainties are embedded in the Life Cycle Screening result using statistical methods.



Panthella White Opal Acryl

Material list

Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
Shade	PC	CN - China	**10,5%**
Base	PC	CN - China	**5,9%**
Battery compartment	PC	CN - China	**1,7%**
Diffuser	PC	CN - China	**0,9%**
Touching ball, counter weight	Steel	CN - China	**7,0%**
Heats dissipation part	Aluminium	CN - China	**1,2%**
Silicone Pad	Silicon	CN - China	**0,7%**
PCB	FR4	CN - China	**0,6%**
LED	FR4	CN - China	**0,3%**
Battery	Battery	CN - China	**3,7%**
Screws	Nickel	CN - China	**0,2%**
Electrical wiring	Wire	CN - China	**12,1%**
Box and tray	Cardboard	CN - China	**61,3%**
Non-woven bag	PET	CN - China	**1,5%**
Lables and instruction	Paper	CN - China	**1,7**
			100%

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Life Cycle Screening results

Product that has been calculated as a reference for the product family:

PANTHELLA 160 PORTABLE V3, Opal White,2.5W.

Production of the product

Average climate emission:

13 KG CO2-eq

Lower boundary: 12 CO2-eq
Upper boundary: 18 CO2-eq

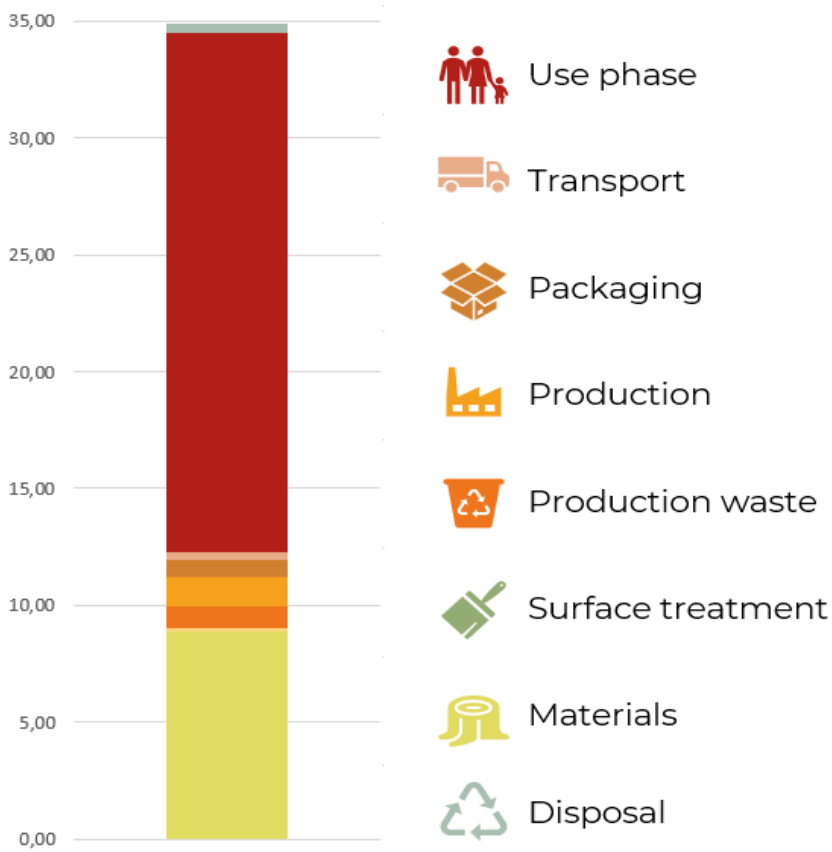
Production of the product and use stage

Average climate emission:

35 KG CO2-eq

Lower boundary: 34 CO2-eq
Upper boundary: 39 CO2-eq

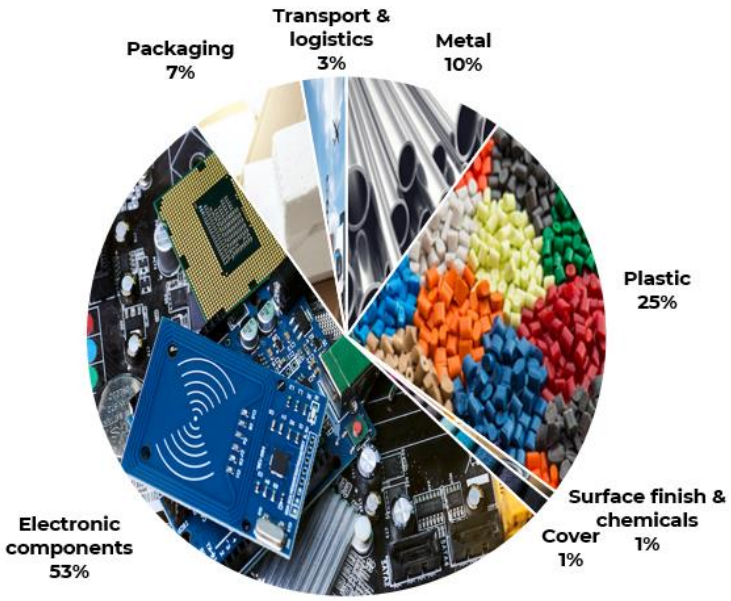
Carbon stages



The carbon footprint has been calculated using Målbar version 2.9612; in accordance with the Product Environmental Footprint.
The carbon footprint has not been third-party verified. Only to be used for B2B, as comparing alternative results.
Comparing data across methodologies is likely to result in inaccurate representations.

Main emission sources *(pr material group)**

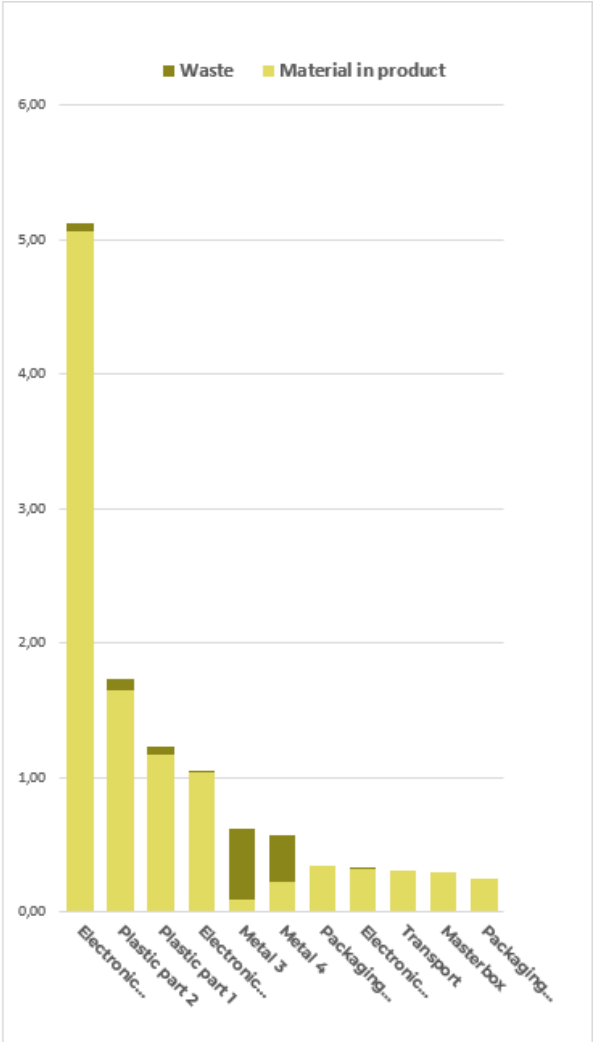
Group	Total impact		
Solid Wood	**0,00**	*kg CO2-e*	**0,0%**
Wood based board	**0,00**	*kg CO2-e*	**0,0%**
Metal	**1,25**	*kg CO2-e*	**9,9%**
Plastic	**3,20**	*kg CO2-e*	**25,3%**
Glass / Stone / Ceramics	**0,00**	*kg CO2-e*	**0,0%**
Surface finish & chemicals	**0,08**	*kg CO2-e*	**0,6%**
Upholstery	**0,00**	*kg CO2-e*	**0,0%**
Cover	**0,16**	*kg CO2-e*	**1,2%**
Electronic components	**6,73**	*kg CO2-e*	**53,2%**
Packaging	**0,89**	*kg CO2-e*	**7,0%**
Transport & logistics	**0,35**	*kg CO2-e*	**2,8%**



The values presented here represent total emissions per material group (incl. material, production, transport, waste, CO2e uptake)

Main emission sources *(pr element)**

Element	Material	Total impact	
Electronic component 3	Unspecified PCB surface mounted	**5,12**	*kg CO2-e*
Plastic part 2	Acrylic (PMMA)	**1,73**	*kg CO2-e*
Plastic part 1	Post consumer recycled,Polycarbonate PC	**1,23**	*kg CO2-e*
Electronic component 2	Rechargable battery, Li-ion	**1,04**	*kg CO2-e*
Metal 3	Alu. machined	**0,62**	*kg CO2-e*
Metal 4	Steel machined	**0,58**	*kg CO2-e*
Packaging materials 2	Corrugated cardboard box printed sustainable fiber	**0,34**	*kg CO2-e*
Electronic component 1	Electric cable (PE)	**0,32**	*kg CO2-e*
Transport	Total emission from transport - all steps	**0,31**	*kg CO2-e*
Masterbox	Corrugated cardboard box printed sustainable fiber	**0,30**	*kg CO2-e*
Packaging materials 1	Paper no print sustainable fiber	**0,24**	*kg CO2-e*



The values presented here represent total emissions per element (incl. material, production, transport, waste, CO2e uptake)