

louis poulsen



Environmental Product Specifications

— Panthella Table 400

Product description

- This table lamp emits a glare-free, soft, and comfortable light.
- 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

Cable type: Plastic cord with plug. Cable length: 2.5m. Light control: On/off switch on cord. Diffuser with bajonet lock.

Finish

White opal acrylic.

Light source

1x28W E27

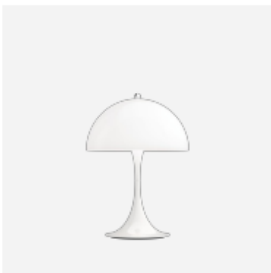
Sizes and weights

Width x Height x Length (mm) | 400 x 550 x 400
Max 2.6 kg

Class

Ingress protection IP20. Electric shock protection II.

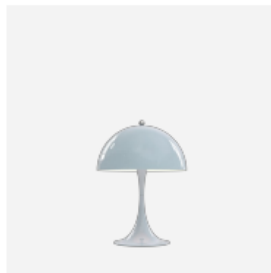
Product family



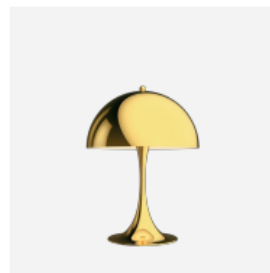
Panthella 250 Portable



Panthella Floor



Panthella 250 Table Lamp



Panthella 320 Table Lamp



Panthella 160 Portable

Product variants

Light source

1x28W E27

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 inlay and cardboard box. 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.

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.

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.

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.

Disclaimer

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.

The climate footprint is based on delivery to an average EU customer. This document is not third-party validated, and communication is intended for B2B customers.



Panthella Table 400

Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Shade and Diffuser	PMMA	DK - Denmark	31,5%
B	Lamp Base	ABS	IT - Italy	2,8%
C	Plastic Parts	PC	DK - Denmark	0,1%
D	Counterweight	Carbon steel	CN - China	22,3%
E	Surface finish	Painting	DK - Denmark	0,1%
F	Ball	Brass	TW - Taiwan	1,0%
G	Stem tube	Steel	CN - China	2,8%
H	Steel screws, bolts and nuts	Stainless steel	CN - China	0,2%
I	Socket	Phenolic resin	IT - Italy	1,4%
J	Cover plate	ABS	DK - Denmark	3,3%
K	Stain relief	PA66	SE - Sweden	0,1%
L	Cord	Electrical wiring	IT - Italy	4,1%
M	Lock washer	Aluminium	CN - China	0,3
N	Packaging	Corrugated cardboard	DK - Denmark	27,1%
O	Instructions and labels	Paper	DK - Denmark	0,1%
P	Packaging	Plastic bag LDPE	LT - Lithuania	2,9%
				100%

Life Cycle Screening results

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

PANTHELLA 400 TABLE LAMP, WHITE OPAL ACRYL, 1X28 E27

Production of the product

Average climate emission:

45 KG CO₂-eq

Lower boundary: 40 CO₂-eq

Upper boundary: 50 CO₂-eq

Production of the product and use stage

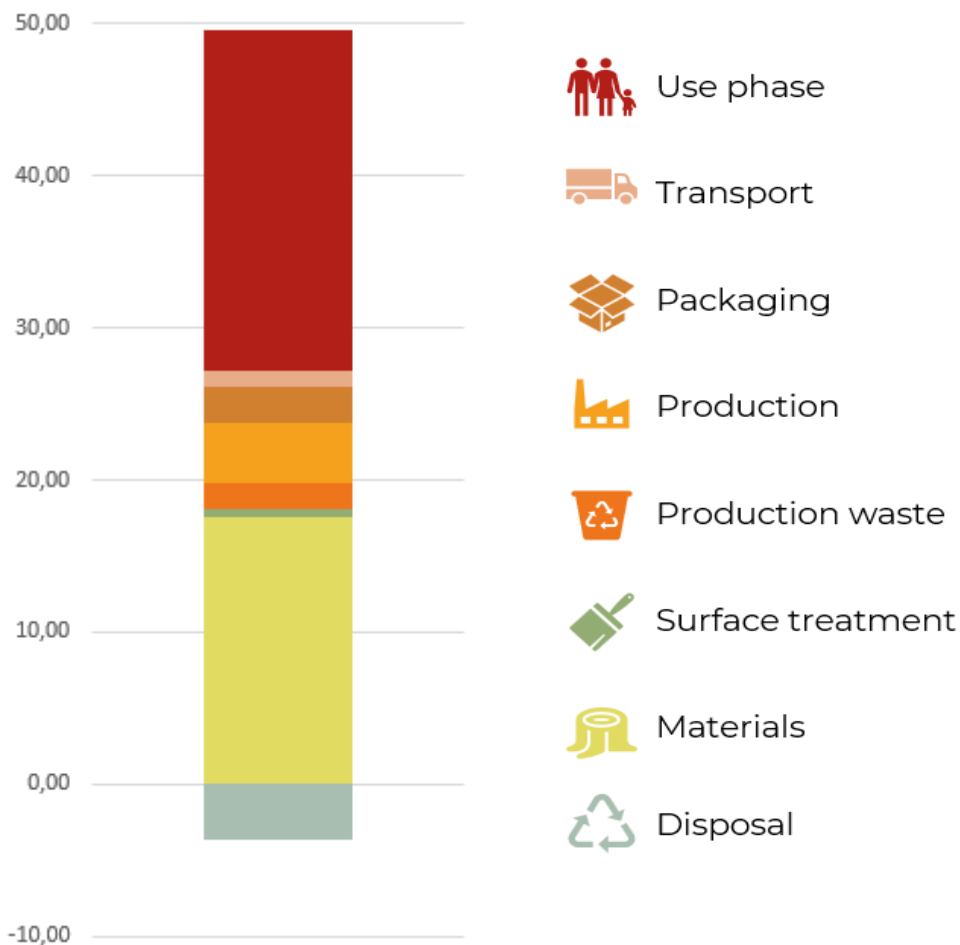
Average climate emission:

100 KG CO₂-eq

Lower boundary: 100 CO₂-eq

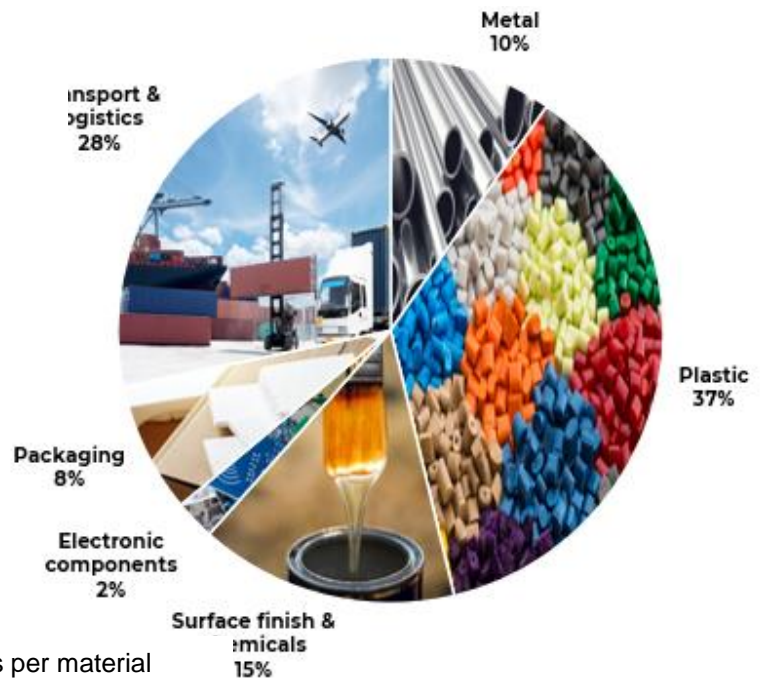
Upper boundary: 110 CO₂-eq

Carbon stages



Main emission sources (pr material group)*

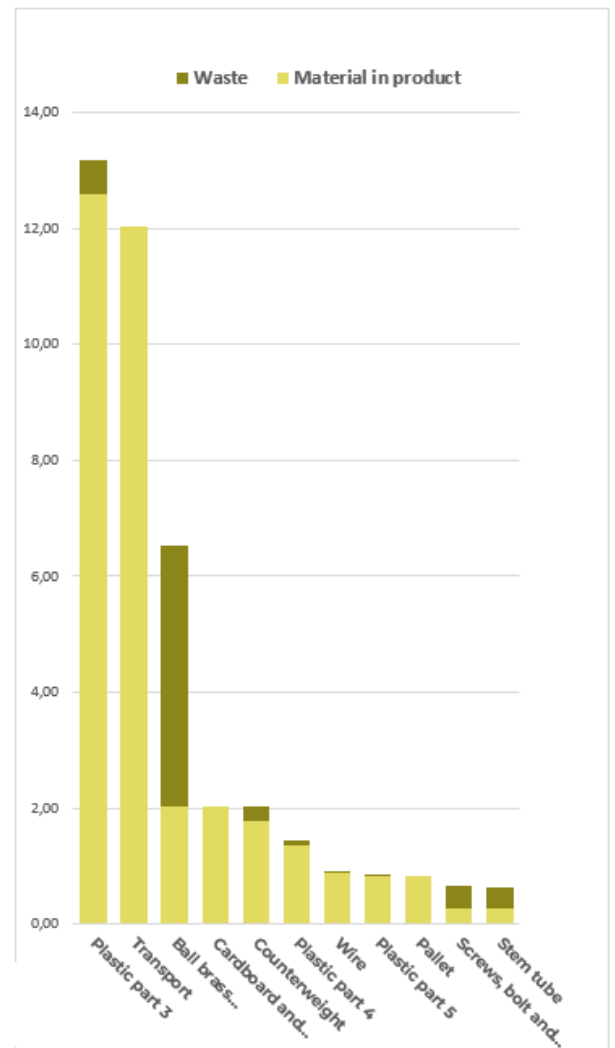
Group	Total impact
Solid Wood	0,00 kg CO2e 0,0%
Wood based board	0,00 kg CO2e 0,0%
Metal	4,12 kg CO2e 9,7%
Plastic	15,56 kg CO2e 36,6%
Glass / Stone / Ceramics	0,00 kg CO2e 0,0%
Surface finish & chemicals	6,52 kg CO2e 15,3%
Upholstery	0,00 kg CO2e 0,0%
Cover	0,00 kg CO2e 0,0%
Electronic components	1,01 kg CO2e 2,4%
Packaging	3,28 kg CO2e 7,7%
Transport & logistics	12,05 kg CO2e 28,3%



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
Plastic part 3	Acrylic (PMMA)	13,18 kg CO2-e
Transport	Total emission from transport - all steps	12,04 kg CO2-e
Ball brass chrome plated	Lacquer/paint solvent on metal/plastic, sprayed	6,52 kg CO2-e
Cardboard and insert	Corrugated cardboard box printed sustainable fiber	2,04 kg CO2-e
Counterweight	Cast iron	2,02 kg CO2-e
Plastic part 4	ABS/ASA	1,44 kg CO2-e
Wire	Electric cable (PVC)	0,89 kg CO2-e
Plastic part 5	ABS/ASA	0,87 kg CO2-e
Pallet	EUR pallet, wood	0,84 kg CO2-e
Screws, bolt and nuts	Stainless steel screws/bolts	0,67 kg CO2-e
Stem tube	Steel machined	0,64 kg CO2-e



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