

**louis  
poulsen**



# Environmental Product Specifications

— Panthella Floor

## Product description

- The fixture emits a glare-free, soft and comfortable illumination.
- The opal acrylic shade leaves a diffused comfortable light atmosphere due to the translucent shade, the downward reflection from the inner shade and the reflection from the trumpet stem.



## Product info

### Mounting

Cable type: Plastic cord with plug.

Cable length: 2.5m.

Light control: On/off switch on cord.

Diffuser with bayonet lock.

### Finish

White opal acrylic.

### Light source

1x53W E27

### Sizes and weights

Width x Height x Length (mm)

500 x 1311 x 500 Max 5.7 kg

### Class

Ingress protection IP20.

Electric shock protection II w/o ground.

## Product family



Panthella Portable



Panthella Table 320



Panthella Portable Metal



Panthella Portable V2



Panthella Table



Panthella MINI

## Product variants

Light source

1x53W 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 EPS foam and 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

The aluminium material for some of the parts is sourced from min. 90% recycled aluminium. Cardboard is made from min. 75% recycled fibre 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.

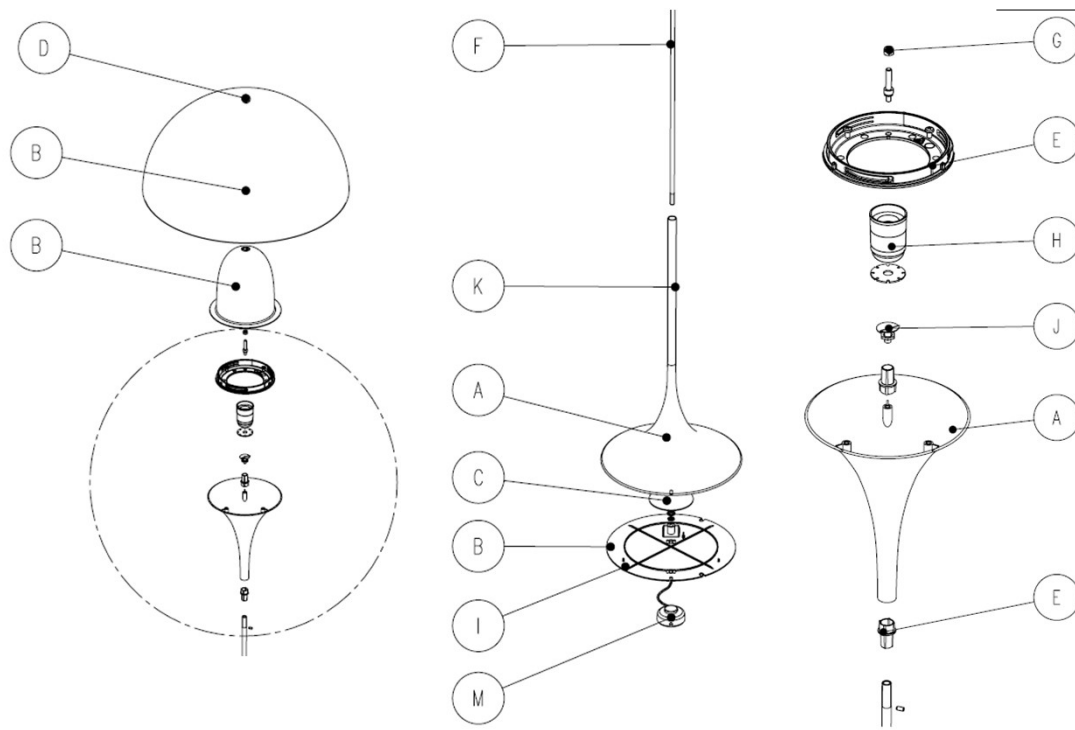
Louis Poulsen is part of ELRETUR which ensures that electronic waste (WEEE) across of Europa is reused.

This product must be treated as electronic waste:



## Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Plastic parts	Plastic – ABS	IT - Italy	7,5%
B	Plastic parts	Plastic – PMMA	DK - Denmark	19,9%
C	Counterweight	Steel	DK - Denmark	17,6%
C	Paint	Powder coating	AT - Austria	0,1%
D	Ball	Brass, chrome plated	TW - Taiwan	0,3%
E	Plastic parts	Plastic – PC	DK - Denmark	0,6%
F	Stem	Steel	CN - China	2,2%
G	Steel screws, bolts and nuts	Steel	CN - China	0,5%
H	Socket	Plastic and steel	IT - Italy	0,4%
I	Knob	Plastic – HDPE	DK - Denmark	0,0%
I	Grommet	Plastic – PA	DK - Denmark	0,0%
K	Tube	Steel	TW - Taiwan	3,9%
K	Paint	Powder coating	AT - Austria	0,1%
M	Foot switch	Plastic - PC	CN - China	0,3%
M	Cord	Silicone and copper	IT - Italy	1,8%
N	Packaging	Corrugated cardboard	DK - Denmark	38,4%
O	Plastic bag	Plastic - LDPE	LT - Lithuania	0,2%
P	Inserts	EPS (polystyrene foam)	DK - Denmark	6,1%
Q	Instruction and labels	Paper	DK - Denmark	0,1%
				100%



# 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.



## 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

1,000 km of 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.



## Life Cycle Screening results

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

Panthella Floor, 7 Watt.

### Production of the product

Total climate emission:

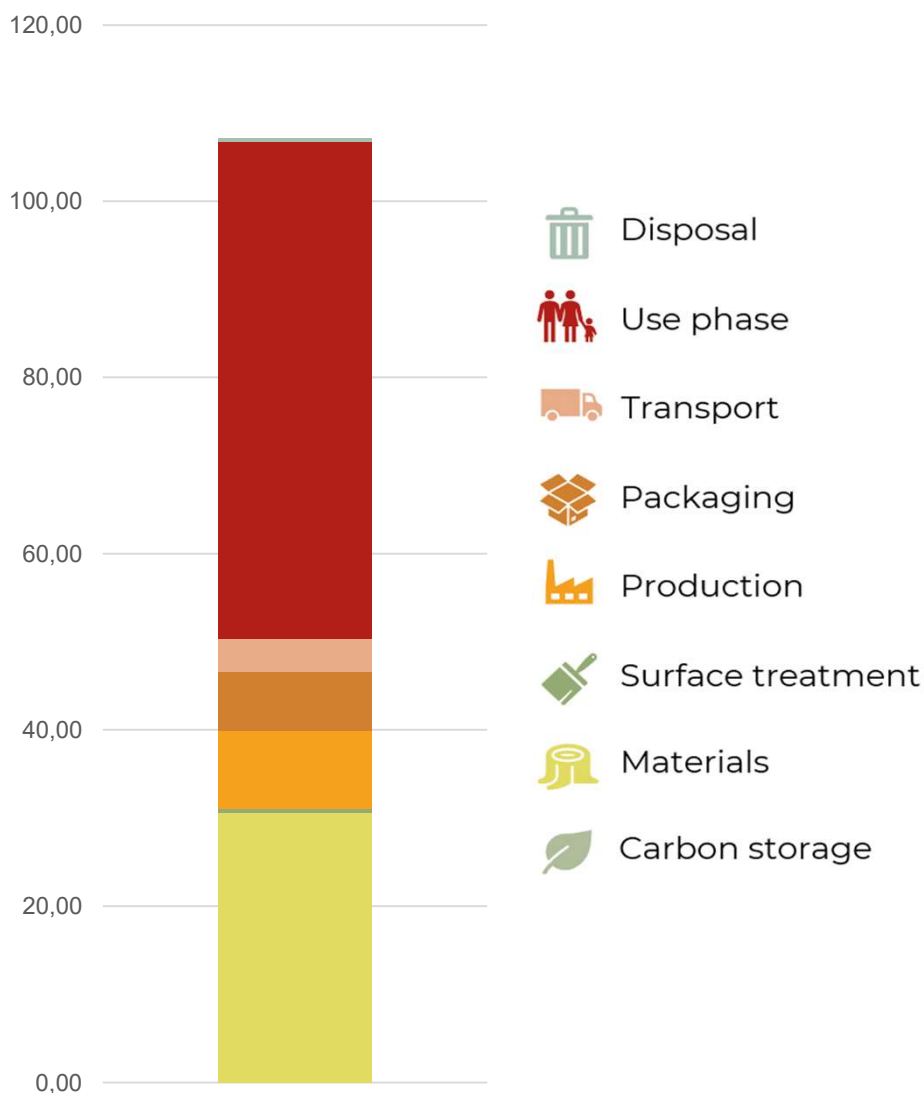
**50 KG CO2-e**

### Production of the product and use stage

Total climate emission:

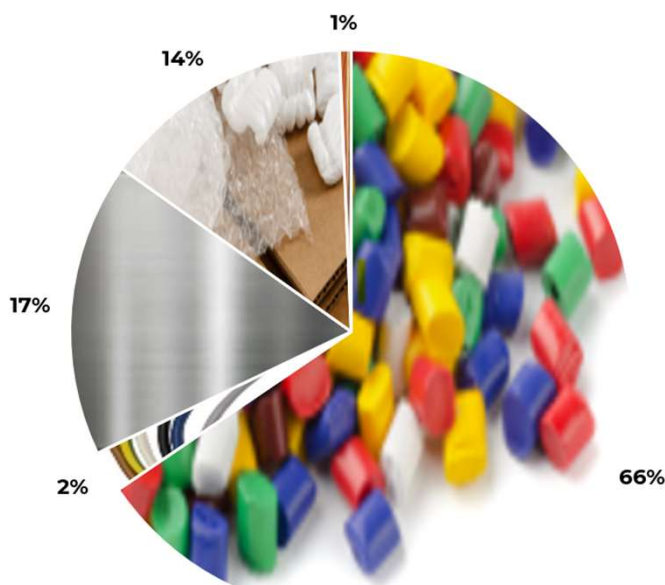
**110 KG CO2-e**

### Carbon stages



**Main emission sources (pr material group)\***

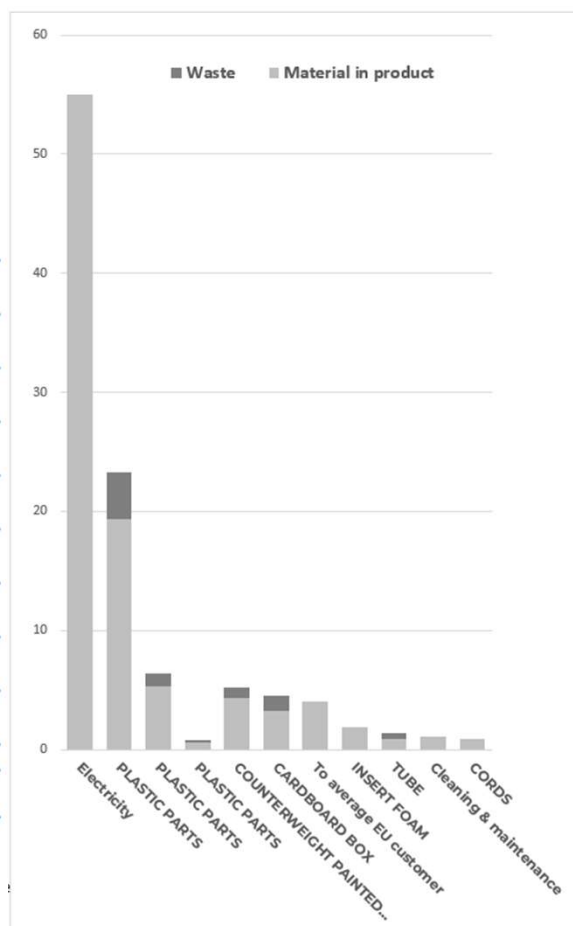
Group	Total impact
Solid Wood	0,00 kg CO2-e
Plastic	30,87 kg CO2-e
Cover	0,00 kg CO2-e
Standard Components	0,00 kg CO2-e
Electronics	1,12 kg CO2-e
Metal	7,98 kg CO2-e
Packaging	6,83 kg CO2-e
Upholstery	0,00 kg CO2-e
Wood Based Board	0,00 kg CO2-e
Surface Finish & Chemicals	0,31 kg CO2-e
Glass / Stone / Ceramics	0,00 kg CO2-e



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
Electricity	0	54,95 kg CO2-e
PLASTIC PARTS	Acrylic (PMMA), molded	23,23 kg CO2-e
PLASTIC PARTS	ABS/ASA, molded	6,36 kg CO2-e
PLASTIC PARTS	PC, molded	0,75 kg CO2-e
COUNTERWEIGHT PAINTED F/PANTHELLA FLOOR <sup>^</sup>	Cast iron	5,17 kg CO2-e
CARDBOARD BOX	Corrugated cardboard box, no print	4,53 kg CO2-e
To average EU customer	Freight/bulk – via transport hubs (Less than Full-load)	4,04 kg CO2-e
INSERT FOAM	EPS (polystyrene foam)	1,89 kg CO2-e
TUBE	Steel, machined	1,40 kg CO2-e
Cleaning & maintenance	Cleaning, maintenance & Product Loss	1,13 kg CO2-e
CORDS	Electric cable kg	0,85 kg CO2-e
<b>Total impact from Waste</b>		<b>8,46 kg CO2-e</b>



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