louis poulsen

Environmental Product Specifications

— Panthella Portable V2

Product description

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

Depends on the variant

Finish

Opal acrylic shade in White, Pale Rose or Pale Blue with matching stand. Grey Opal Acrylic shade with high lustre chrome stand. Pale Rose, Pale Blue or Coral, powder coated.

Light source

LED 2700K 2.5W. Lumen: 81.

Sizes and weights

Width x Height x Length (mm)
160 x 232 x 160 Max 0.4 kg
160 x 238 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

Product variants

Colour	Light source	Lumen
Black	LED 2700K 2.5W	150
Coral		81
Grey opal acryl		
Orange		
Pale blue		
Pale blue opal acryl		
Pale rose		
Pale rose opal acryl		
White		
White opal acryl		

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.

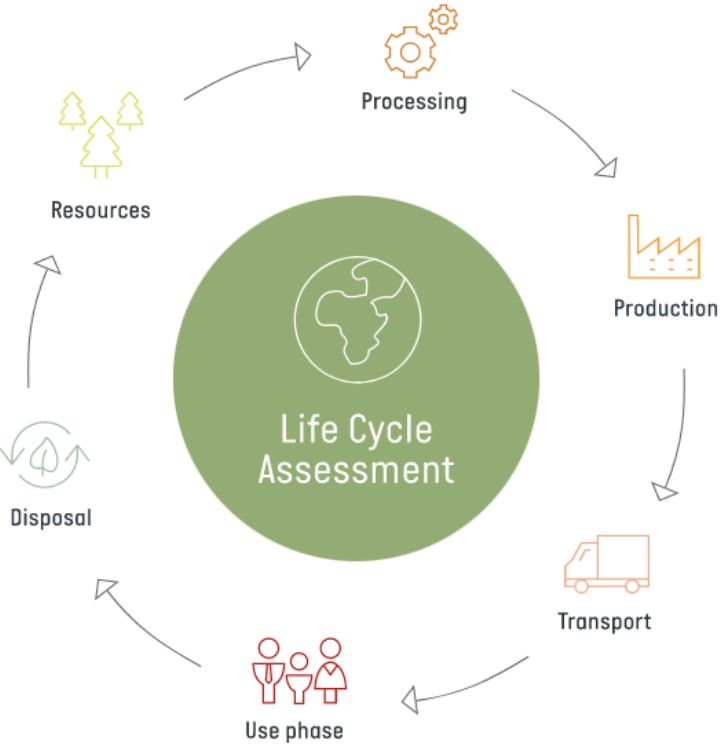
The electricity is based on the European energy mix, with data from: the European Environment Agency Greenhouse gas emission intensity of electricity generation.

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.



Specific variant data

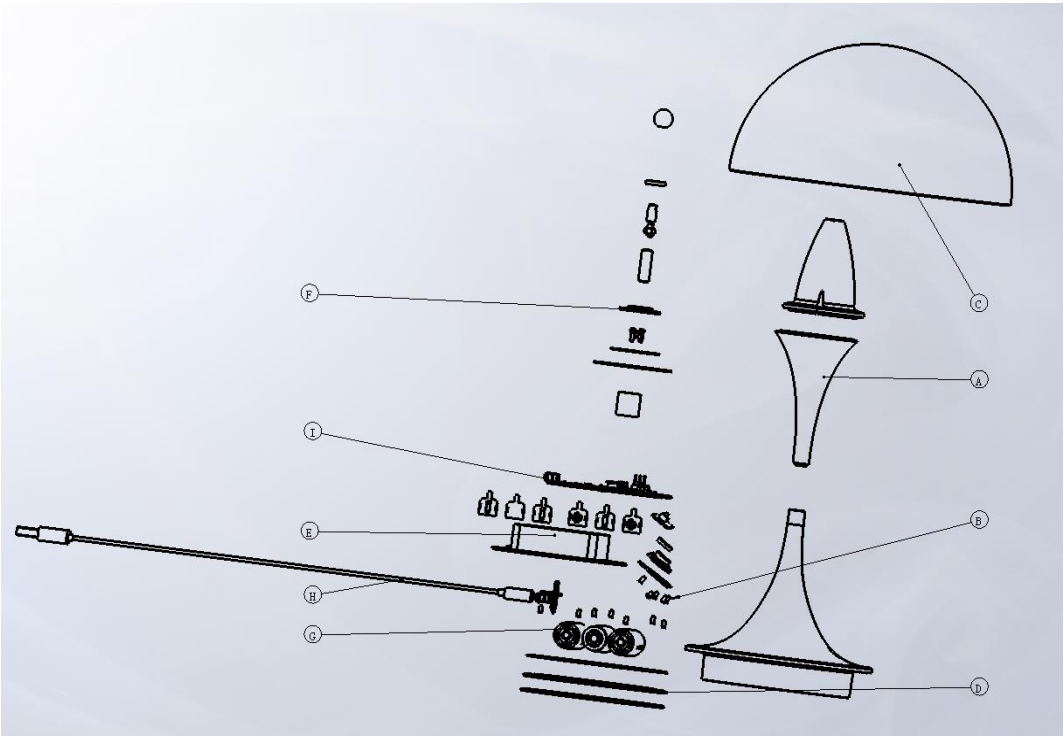
Panthella portable is available in three different variants. Specific material list and life cycle screening results are available for each variant. Scroll down to find the relevant variant.

- Panthella Grey Opal
- Panthella Pale blue, pale rose, white opal acryl
- Panthella black, Coral, Orange, Pale blue, Pale rose and white with metal shade

Panthella Grey Opal Acryl

Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Aluminium parts	Die casted aluminium	CN - China	**19,4%**
A1	Painting	Chrome plating on metal	CN - China	**1,2%**
B	Steel screws, bolts and nuts	Machined stainless steel	CN - China	**2,4%**
C	Diffuser and shade	PMMA	CN - China	**17,0%**
D	Plastic parts	Bakelite	CN - China	**1,2%**
E	Plastic parts	PC	JP - Japan	**1,2%**
F	LED	Variety of components	CN - China	**0,6%**
G	Battery	Variety of components	CN - China	**7,3%**
H	Electrical wiring	TPE and copper	CN - China	**2,4%**
I	Driver PCB	Variety of components	CN - China	**4,2%**
J	Labels and instructions	Paper	CN - China	**0,6%**
K	Packaging	Corrugated cardbiard	CN - China	**30,3%**
L	Foam inserts	EPS	CN - China	**12,1%**
				100%



Life Cycle Screening results

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

PANTHELLA 160 PORTABLE V2, GREY OPAL ACRYL, BLK PL, LED 2700K 2.5W.

Production of the product

Average climate emission:

23 KG CO2-eq

Lower boundary: 21 CO2-eq
Upper boundary: 26 CO2-eq

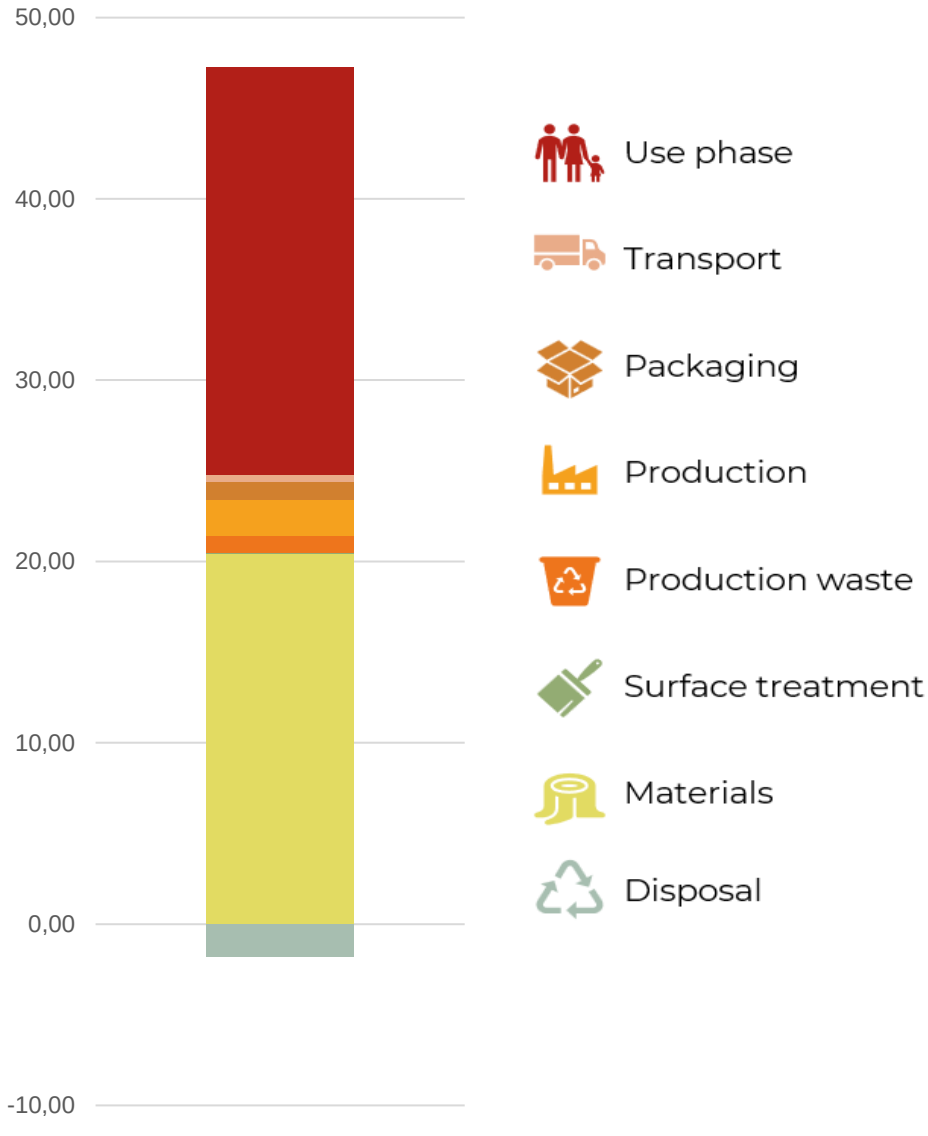
Production of the product and use stage

Average climate emission:

45 KG CO2-eq

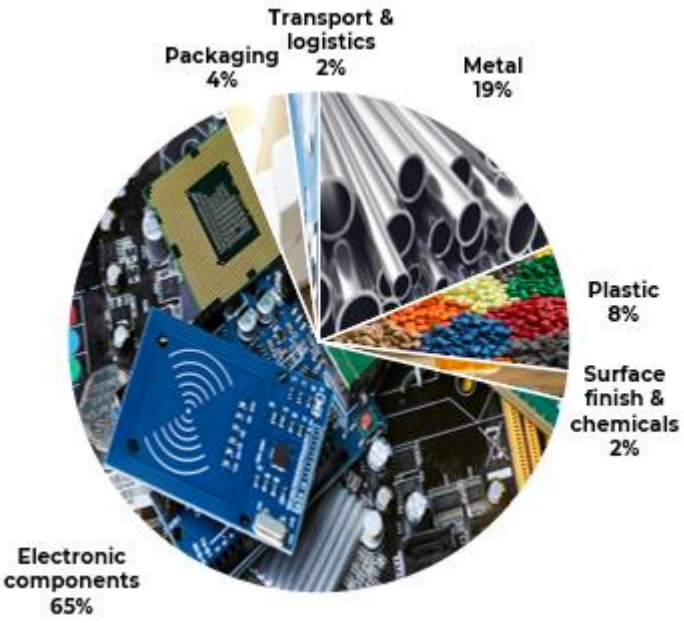
Lower boundary: 43 CO2-eq
Upper boundary: 47 CO2-eq

Carbon stages



Main emission sources *(pr material group)**

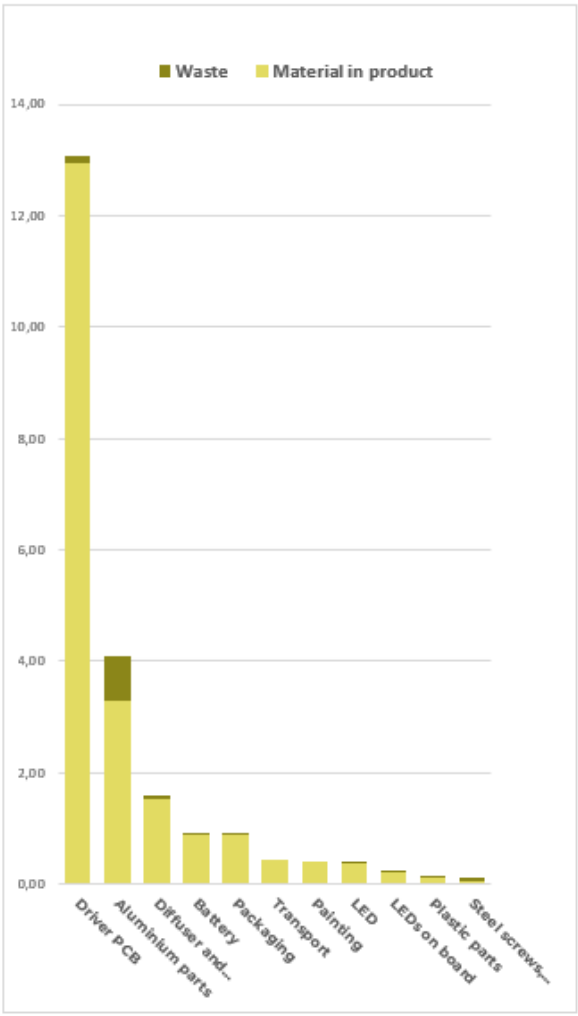
Group	Total impact	
Solid Wood	0,00 kg CO2-	0,0%
Wood based board	0,00 kg CO2-	0,0%
Metal	4,22 kg CO2-	18,7%
Plastic	1,83 kg CO2-	8,1%
Glass / Stone / Ceramics	0,00 kg CO2-	0,0%
Surface finish & chemicals	0,41 kg CO2-	1,8%
Upholstery	0,00 kg CO2-	0,0%
Cover	0,00 kg CO2-	0,0%
Electronic components	14,66 kg CO2-	65,1%
Packaging	0,93 kg CO2-	4,1%
Transport & logistics	0,47 kg CO2-	2,1%



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	
Driver PCB	Unspecified PCB surface mounted	13,08	kg CO2-e
Aluminium parts	Alu. cast	4,10	kg CO2-e
Diffuser and shade	Acrylic (PMMA)	1,60	kg CO2-e
Battery	Rechargable battery, Li-ion	0,90	kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	0,89	kg CO2-e
Transport	Total emission from transport - all steps	0,45	kg CO2-e
Painting	Chrome plating on metal for decoration (1um + nickel)	0,41	kg CO2-e
LED	Unspecified PCB with components through hole mounted	0,37	kg CO2-e
LEDs on board	LED 3,5x3,5x2,0mm (59mg)	0,22	kg CO2-e
Plastic parts	Epoxy resin,Glass fibers yarn	0,13	kg CO2-e
Steel screws, bolts and nuts	Stainless steel screws/bolts	0,12	kg CO2-e

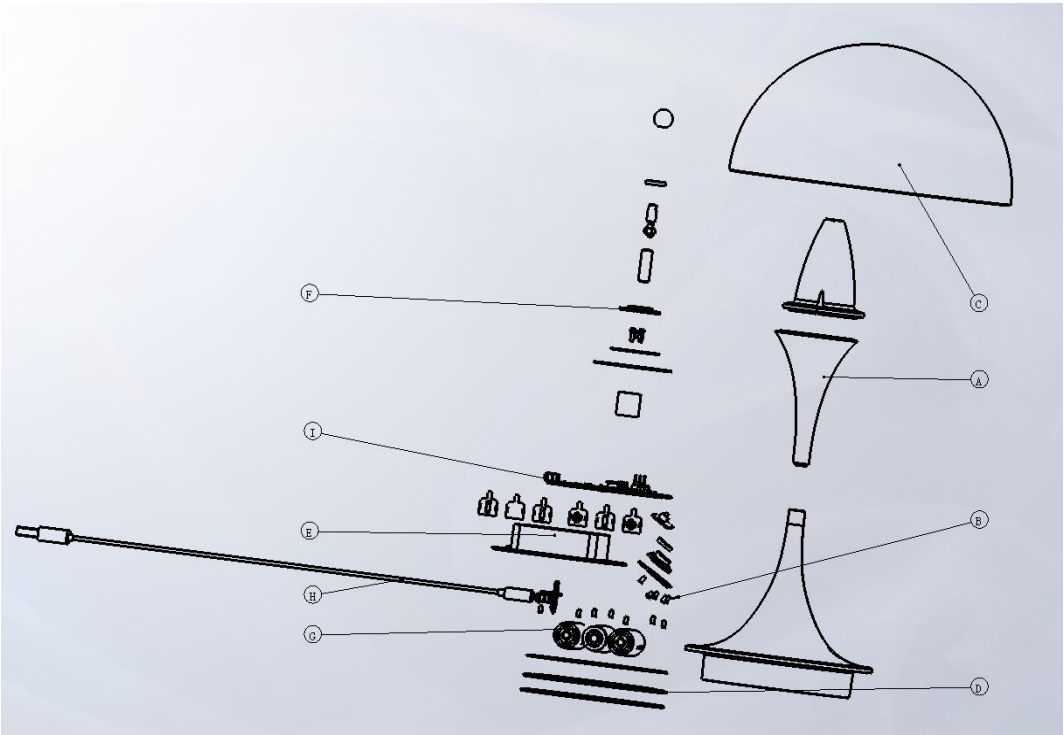


The values presented here represent total emissions per element (incl. material, production, transport, waste, CO2e uptake)

Panthella Pale blue, Pale Rose and White Opal Acryl

Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Aluminium parts	Die casted aluminium	CN - China	**19,4%**
A1	Painting	Powder coating	CN - China	**1,2%**
B	Steel screws, bolts and nuts	Machined stainless steel	CN - China	**2,4%**
C	Diffuser and shade	PMMA	CN - China	**17,0%**
D	Plastic parts	Bakelite	CN - China	**1,2%**
E	Plastic parts	PC	JP - Japan	**1,2%**
F	LED	Variety of components	CN - China	**0,6%**
G	Battery	Variety of components	CN - China	**7,3%**
H	Electrical wiring	TPE and copper	CN - China	**2,4%**
I	Driver PCB	Variety of components	CN - China	**4,2%**
J	Labels and instructions	Paper	CN - China	**0,6%**
K	Packaging	Corrugated cardbiard	CN - China	**30,3%**
L	Foam inserts	EPS	CN - China	**12,1%**
				100%



Life Cycle Screening results

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

PANTHELLA 160 PORTABLE V2, PALE ROSE OPAL ACRYL, BLK PL, LED 2700K 2.5W.

Production of the product

Average climate emission:

23 KG CO2-eq

Lower boundary: 21 CO2-eq
Upper boundary: 26 CO2-eq

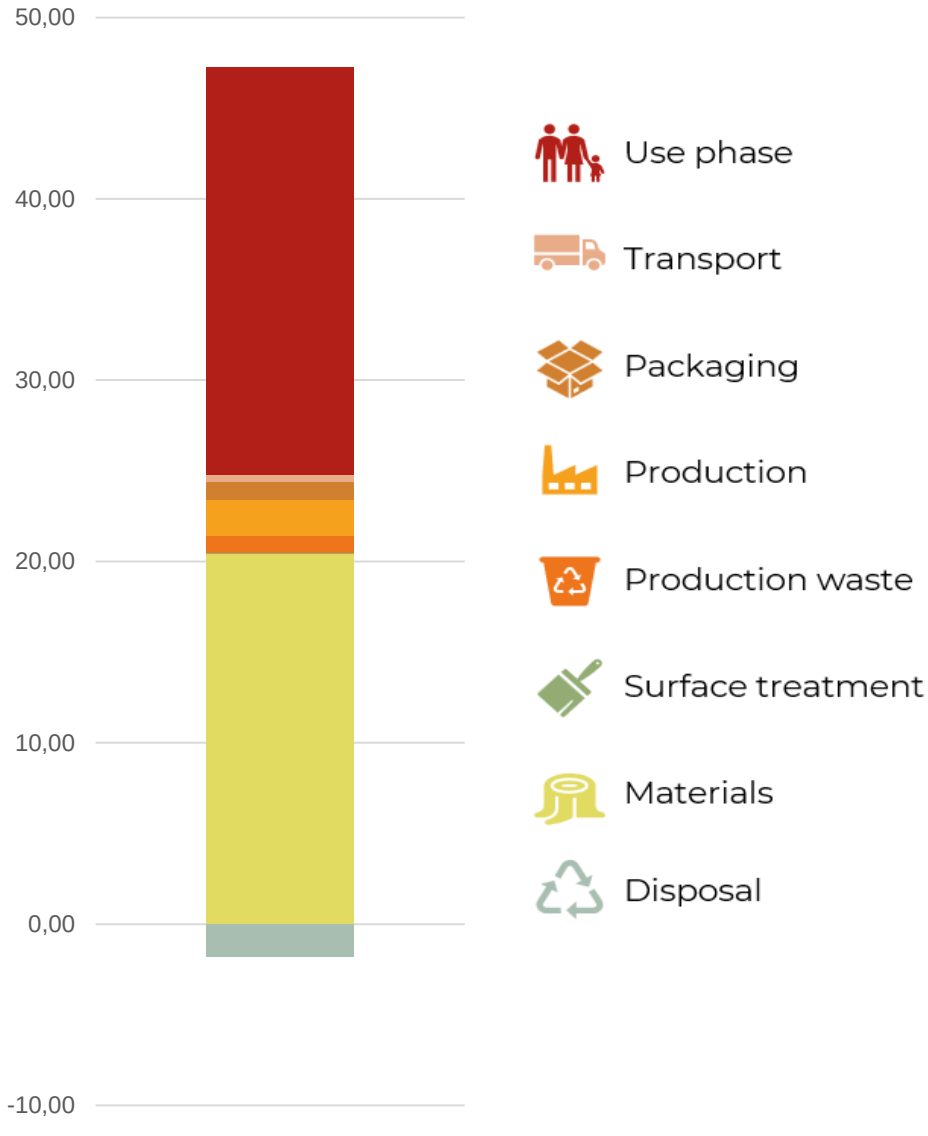
Production of the product and use stage

Average climate emission:

45 KG CO2-eq

Lower boundary: 43 CO2-eq
Upper boundary: 48 CO2-eq

Carbon stages



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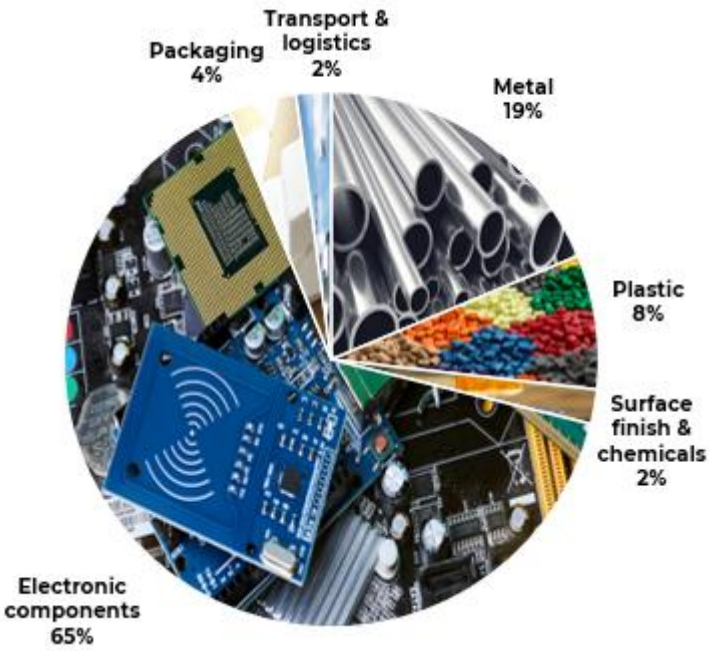
Main emission sources *(pr material group)**

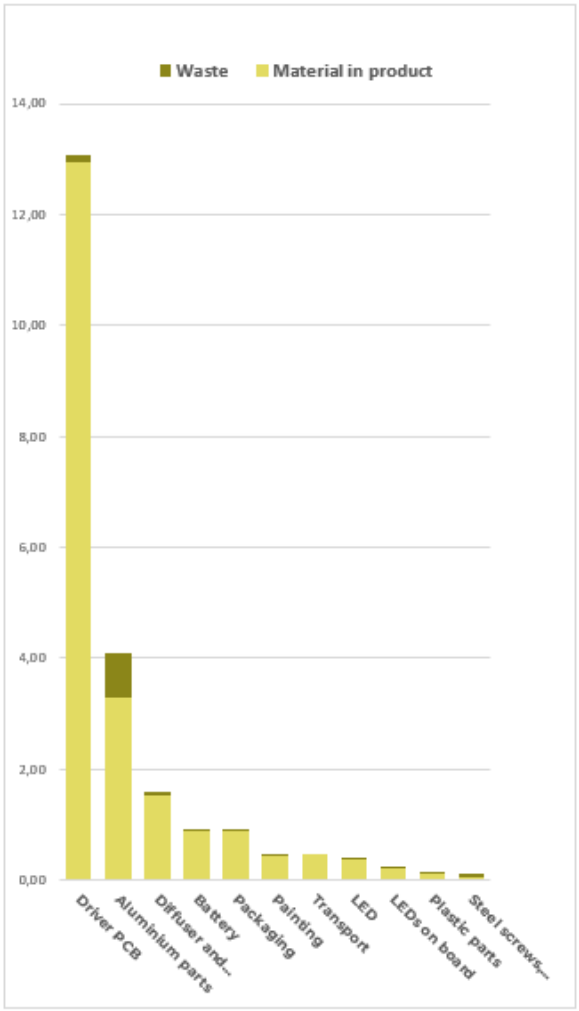
Group	Total impact		
Solid Wood	0,00	kg CO2-	0,0%
Wood based board	0,00	kg CO2-	0,0%
Metal	4,22	kg CO2-	18,7%
Plastic	1,83	kg CO2-	8,1%
Glass / Stone / Ceramics	0,00	kg CO2-	0,0%
Surface finish & chemicals	0,47	kg CO2-	2,1%
Upholstery	0,00	kg CO2-	0,0%
Cover	0,00	kg CO2-	0,0%
Electronic components	14,66	kg CO2-	64,9%
Packaging	0,93	kg CO2-	4,1%
Transport & logistics	0,47	kg CO2-	2,1%



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	
Driver PCB	Unspecified PCB surface mounted	13,08	kg CO2-e
Aluminium parts	Alu. cast	4,10	kg CO2-e
Diffuser and shade	Acrylic (PMMA)	1,60	kg CO2-e
Battery	Rechargable battery, Li-ion	0,90	kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	0,89	kg CO2-e
Painting	Lacquer/paint solvent on metal/plastic, sprayed	0,47	kg CO2-e
Transport	Total emission from transport - all steps	0,46	kg CO2-e
LED	Unspecified PCB with components through hole mounted	0,37	kg CO2-e
LEDs on board	LED 3,5x3,5x2,0mm (59mg)	0,22	kg CO2-e
Plastic parts	Epoxy resin,Glass fibers yarn	0,13	kg CO2-e
Steel screws, bolts and nuts	Stainless steel screws/bolts	0,12	kg CO2-e

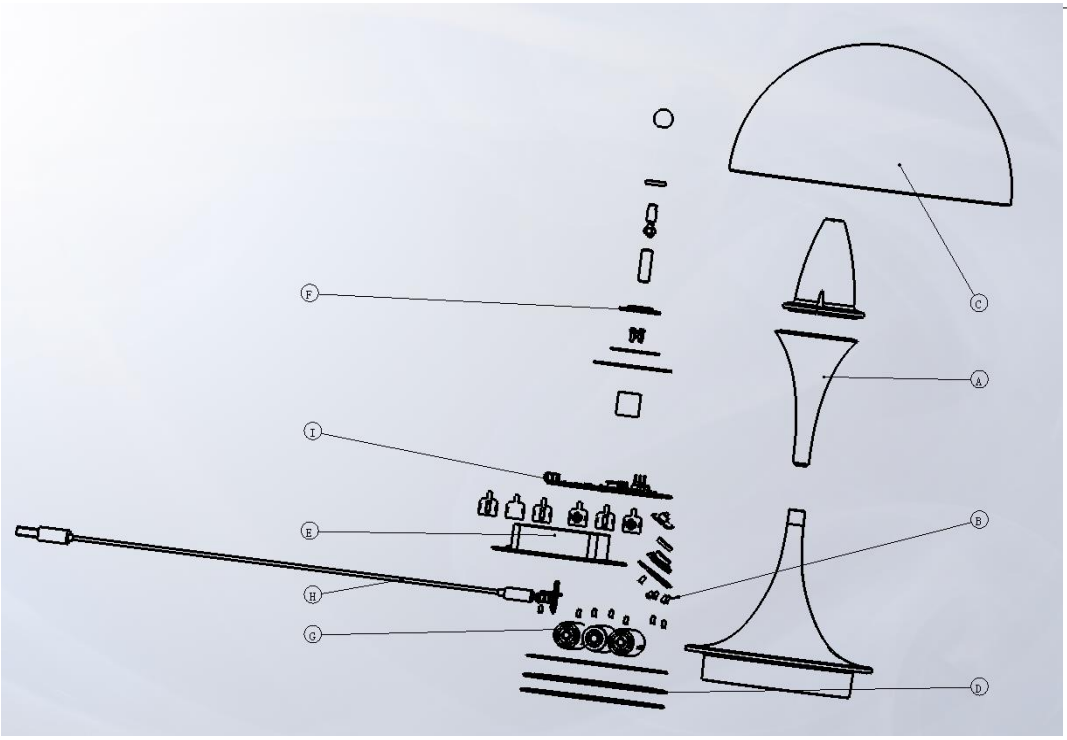


The values presented here represent total emissions per element (incl. material, production, transport, waste, CO2e uptake)

Panthella portable metal shade

Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Aluminium parts	Die casted aluminium	CN - China	**16,3%**
A1	Painting	Powder coating	CN - China	**1,0%**
B	Steel screws, bolts and nuts	Machined stainless steel	CN - China	**2, 0%**
C	Iron lampshade	Machined stainless steel	CN - China	**28,6%**
D	Diffuser and shade	PMMA	CN - China	**1,5%**
E	Plastic parts	Bakelite	CN - China	**1,0%**
F	Plastic parts	PC	JP - Japan	**1,0%**
G	LED	Variety of components	CN - China	**0,5%**
H	Battery	Variety of components	CN - China	**6,1%**
I	Electrical wiring	TPE and copper	CN - China	**2,0%**
J	Driver PCB	Variety of components	CN - China	**3,6%**
K	Labels and instructions	Paper	CN - China	**0,5%**
L	Packaging	Corrugated cardbiard	CN - China	**25,5%**
M	Foam inserts	EPS	CN - China	**10,2%**
				100%



Life Cycle Screening results

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

PANTHELLA 160 PORTABLE V2, BLACK, BLK PL, LED 2700K 2.5W.

Production of the product

Average climate emission:

28 KG CO2-eq

Lower boundary: 22 CO2-eq
Upper boundary: 41 CO2-eq

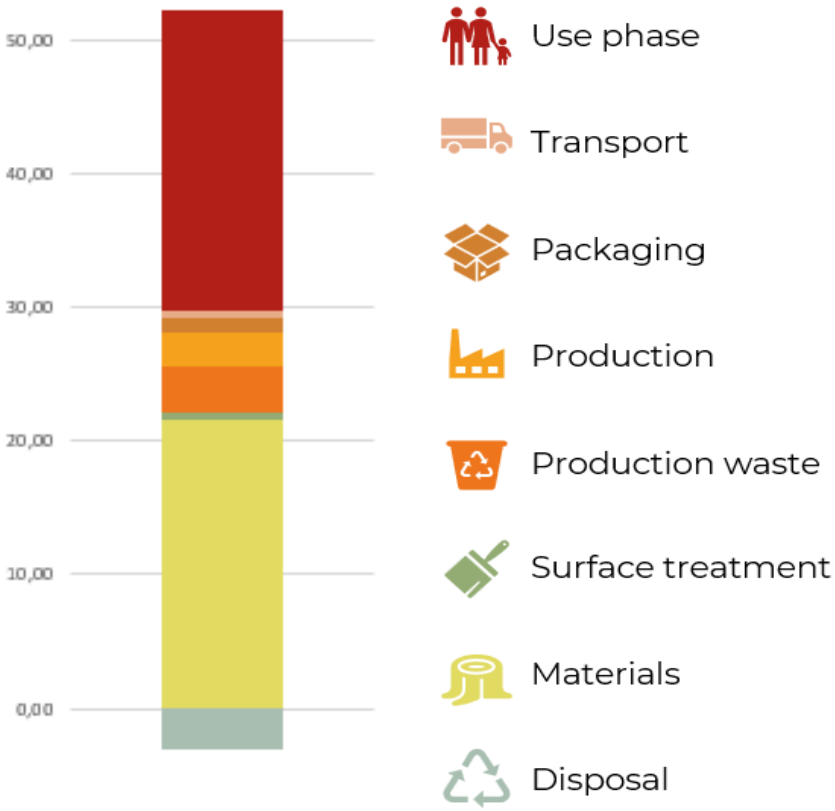
Production of the product and use stage

Average climate emission:

49 KG CO2-eq

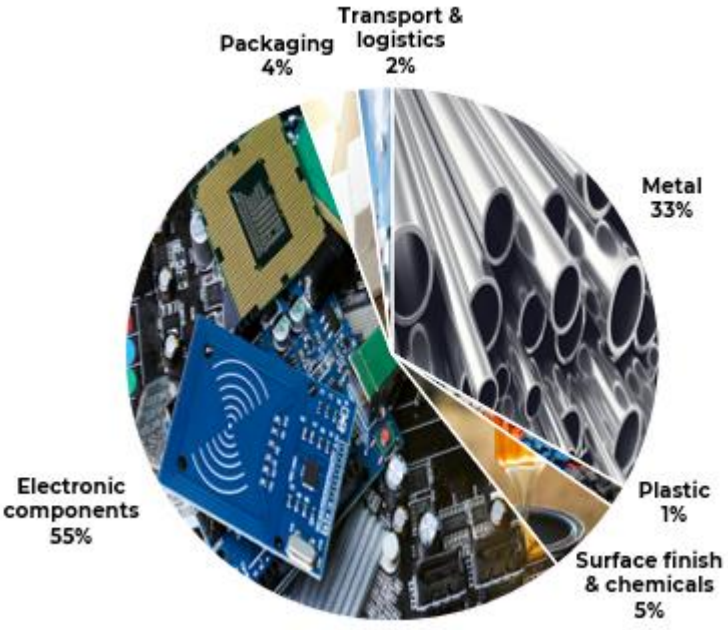
Lower boundary: 44 CO2-eq
Upper boundary: 65 CO2-eq

Carbon stages



Main emission sources *(pr material group)**

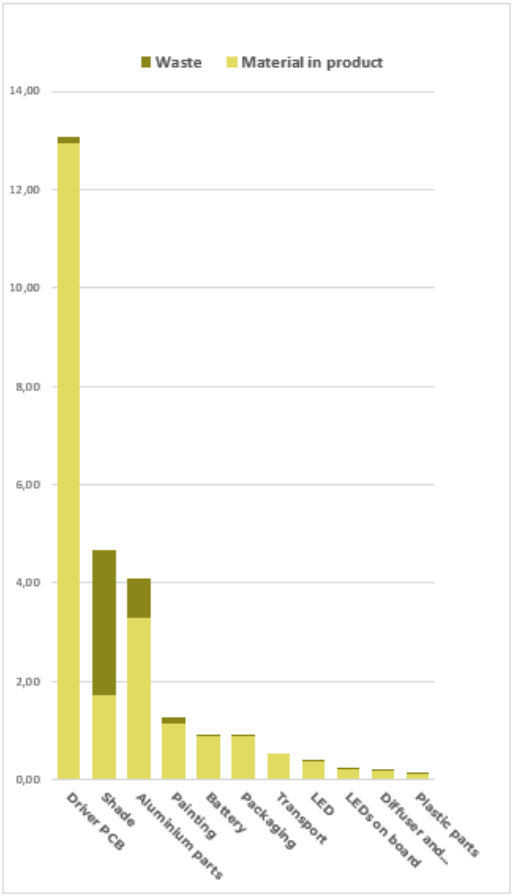
Group	Total impact		
Solid Wood	0,00	kg CO2-	0,0%
Wood based board	0,00	kg CO2-	0,0%
Metal	8,88	kg CO2-	33,3%
Plastic	0,36	kg CO2-	1,4%
Glass / Stone / Ceramics	0,00	kg CO2-	0,0%
Surface finish & chemicals	1,27	kg CO2-	4,8%
Upholstery	0,00	kg CO2-	0,0%
Cover	0,00	kg CO2-	0,0%
Electronic components	14,66	kg CO2-	55,0%
Packaging	0,93	kg CO2-	3,5%
Transport & logistics	0,56	kg CO2-	2,1%



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	
Driver PCB	Unspecified PCB surface mounted	13,08	kg CO2-e
Shade	Stainless steel machined	4,66	kg CO2-e
Aluminium parts	Alu. cast	4,10	kg CO2-e
Painting	Lacquer/paint solvent on metal/plastic, sprayed	1,27	kg CO2-e
Battery	Rechargable battery, Li-ion	0,90	kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	0,89	kg CO2-e
Transport	Total emission from transport - all steps	0,54	kg CO2-e
LED	Unspecified PCB with components through hole mounted	0,37	kg CO2-e
LEDs on board	LED 3,5x3,5x2,0mm (59mg)	0,22	kg CO2-e
Diffuser and shade	Acrylic (PMMA)	0,18	kg CO2-e
Plastic parts	Epoxy resin,Glass fibers yarn	0,13	kg CO2-e



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