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Environmental Product Specifications

— Panthella Table 320

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Product description

– The fixture emits a soft, comfortable, glare-free, light.

– The metal-shade versions direct the light directly downward, creating a pleasant illumination due to the inner whitepainted shade and the reflection from the trumpetshaped stem.

– The opal acrylic produces a diffused, comfortable light due to the translucent shade, the downward reflection from the inner shade, and the reflection from the trumpet-shaped stem.

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Product info

Mounting

Depends on the variant

Finish

White opal acrylic shade with white stand. Grey opal acrylic shade with high-luster chrome stand. High-luster chrome shade and stand. Brass metallised shade and stand.

Light source

1x7.5W E14.
Max. diameter: 48 mm. Max. height: 83 mm.

Sizes and weights

Width x Height x Length (mm)
320 x 438 x 320 Max 1.5 kg

Class

Ingress protection IP20. Electric shock protection II.

Product family

| Panthella Portable Metal | Panthella Portable V2 | Panthella Table | Panthella Floor | Panthella MINI |

Product variants

Colour	Cable type	Light source
Brass metallised	Blk pl	1x7.5W E14
Grey opal acryl	Wht pl	
High lustre chrome plated		
White opal acryl		

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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.

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:

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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.

Specific variant data

Panthella 250 table is available in five different variants. Specific material list and life cycle screening results are available for each variant. Scroll down to find the relevant variant.
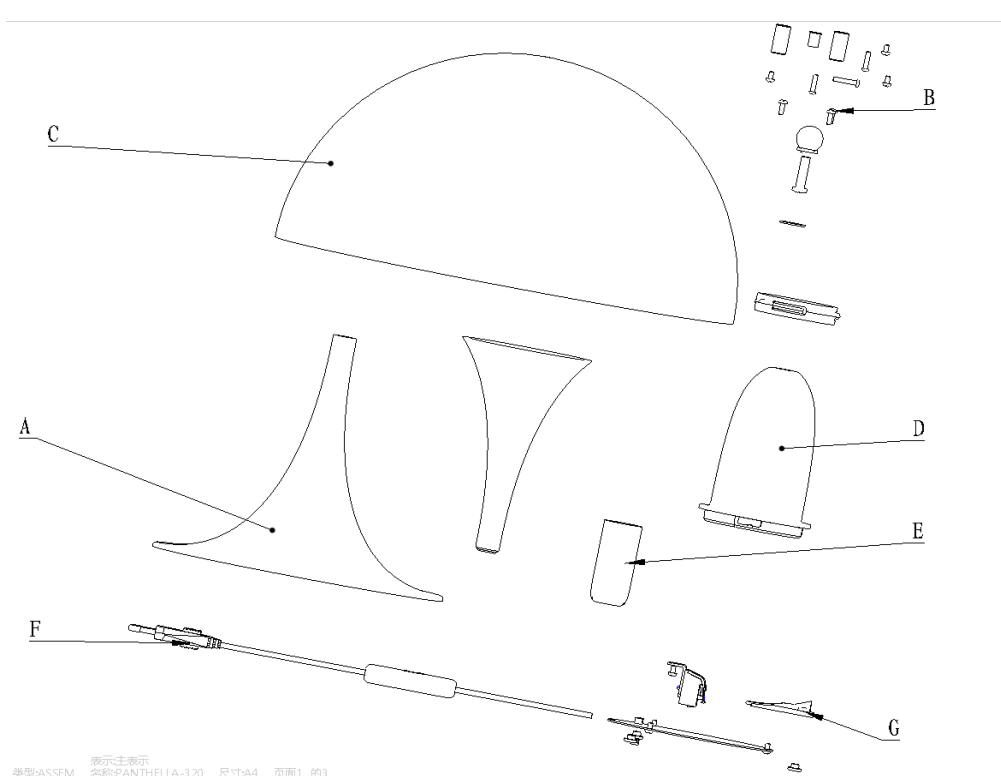
■ Panthella 320 White Opal

■ Panthella 320 Opal grey

■ Panthella 320 High Lustre Chrome

■ Panthella 320 Brass metallized

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Panthella 320 White Opal

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	17,1%
A1`	Painting	Powder coating	CN - China	0,6%
B	Steel screws, bolts and nuts	Machined stainless steel	CN - China	1,0%
C	Lampshade	PMMA	CN - China	16,3%
D	Diffuser	PMMA	CN - China	2,4%
E	Plastic lamp holder	Variety of components	CN - China	0,3%
F	Electrical wiring	TPE and copper	CN - China	4,7%
G	Plastic parts	PC	CN - China	0,4%
H	Labels and instructions	Paper	CN - China	0,1%
I	Packaging	Corrugated cardboard	CN - China	55,6%
J	Packaing	Cotton bag	CN - China	1,1%
K	Packaging	LDE Plastic bag	CN - China	0,3%
				100%

类型:ASSEM 表示:主表示 名称:PANTHELLA-3.20 尺寸:A4 页面1 的3

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Life Cycle Screening results

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

PANTHELLA TABLE 320, WHITE OPAL ACRYL, WHT PL, 1X7.5W E14.

Production of the product

Average climate emission:

34 KG CO2-e

Lower boundary:	27 CO2-e
Upper boundary:	43 CO2-e

Production of the product and use stage
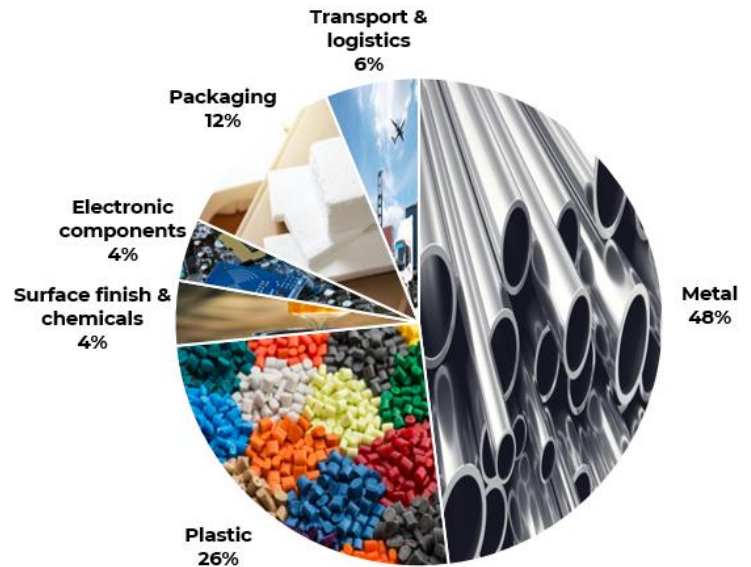
Average climate emission:

80 KG CO2-e

Lower boundary:	70 CO2-e
Upper boundary:	90 CO2-e

Carbon stages
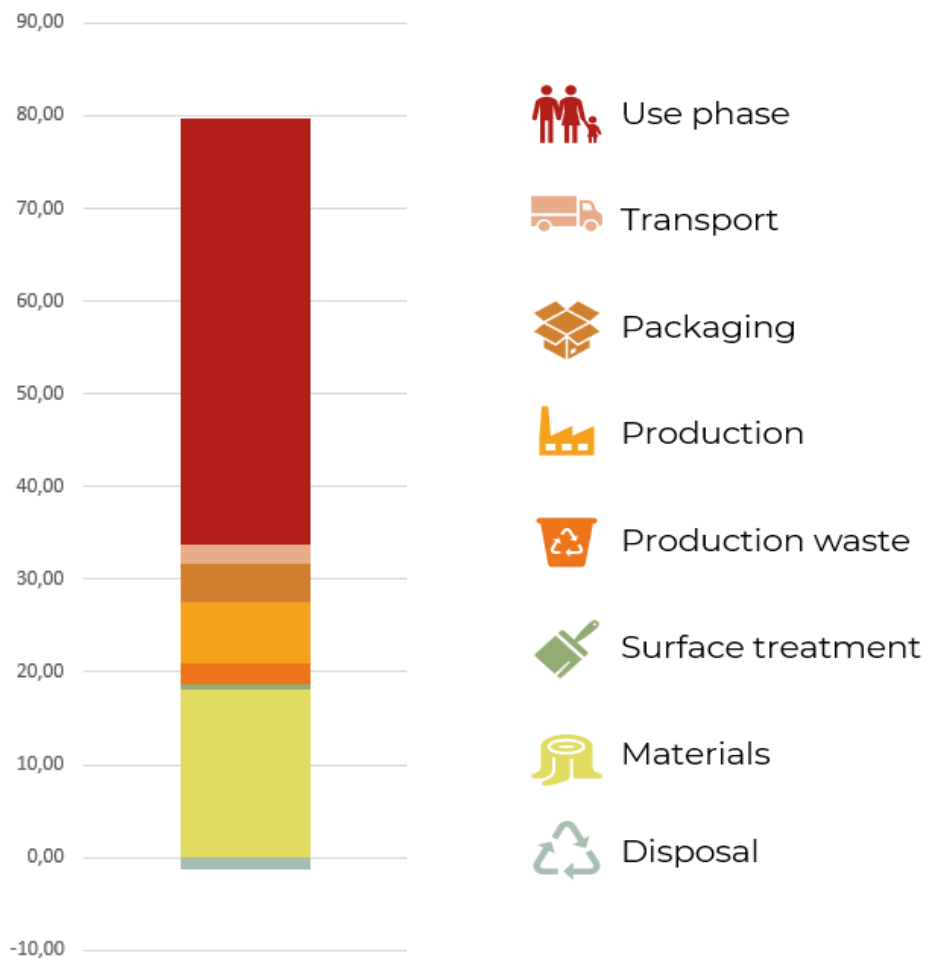
- Use phase
- Transport
- Packaging
- Production
- Production waste
- Surface treatment
- Materials
- Disposal

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	**15,62**	*kg CO2-e*	**48,1%**
Plastic	**8,26**	*kg CO2-e*	**25,4%**
Glass / Stone / Ceramics	**0,00**	*kg CO2-e*	**0,0%**
Surface finish & chemicals	**1,39**	*kg CO2-e*	**4,3%**
Upholstery	**0,00**	*kg CO2-e*	**0,0%**
Cover	**0,00**	*kg CO2-e*	**0,0%**
Electronic components	**1,35**	*kg CO2-e*	**4,2%**
Packaging	**3,86**	*kg CO2-e*	**11,9%**
Transport & logistics	**2,02**	*kg CO2-e*	**6,2%**

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

Main emission sources *(pr element)**

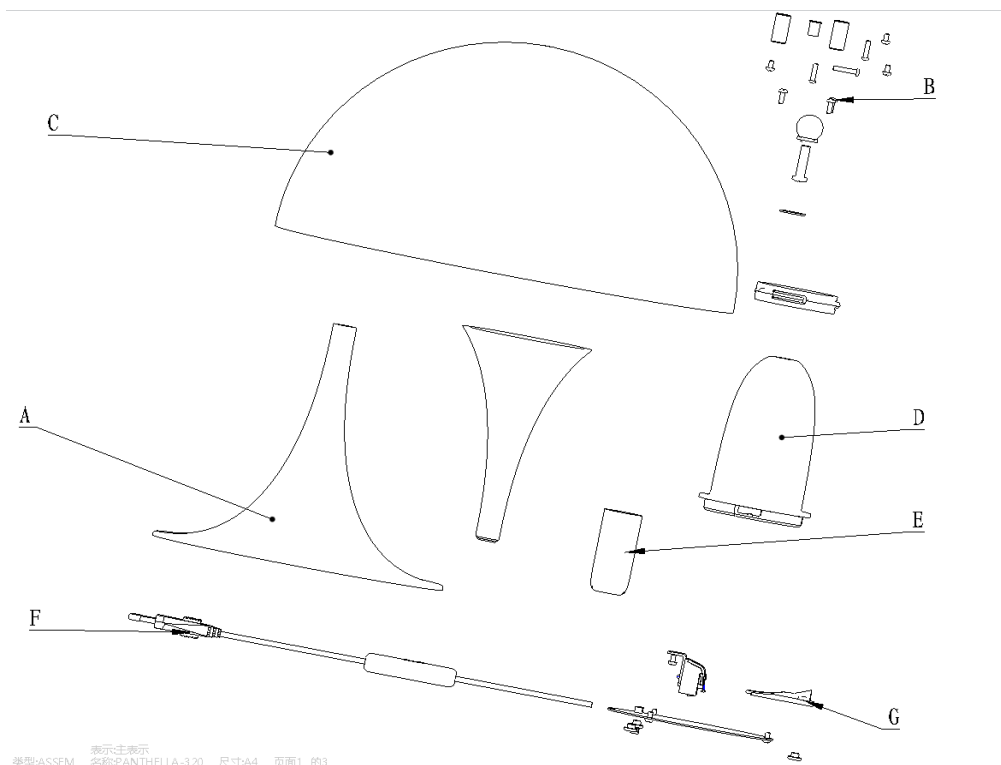| Element	Material	Total impact	
Aluminium parts	Alu. cast	**15,19**	*kg CO2-e*
Lampshade	Acrylic (PMMA)	**7,02**	*kg CO2-e*
Packaging	Cardboard box bleached 4 colour print sustainable fiber	**3,76**	*kg CO2-e*
Transport	Total emission from transport - all steps	**1,89**	*kg CO2-e*
Painting	Lacquer/paint solvent on metal/plastic, sprayed	**1,39**	*kg CO2-e*
Electrical wiring	Electric cable (PVC)	**1,30**	*kg CO2-e*
Diffuser	Acrylic (PMMA)	**1,05**	*kg CO2-e*
Steel screws, bolts and nuts	Stainless steel screws/bolts	**0,43**	*kg CO2-e*
Plastic parts	Polycarbonate PC	**0,20**	*kg CO2-e*
Logistics	Total emission from warehouse + own retail	**0,13**	*kg CO2-e*
Plastic lamp holder	Light bulb socket plastic	**0,05**	*kg CO2-e*

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

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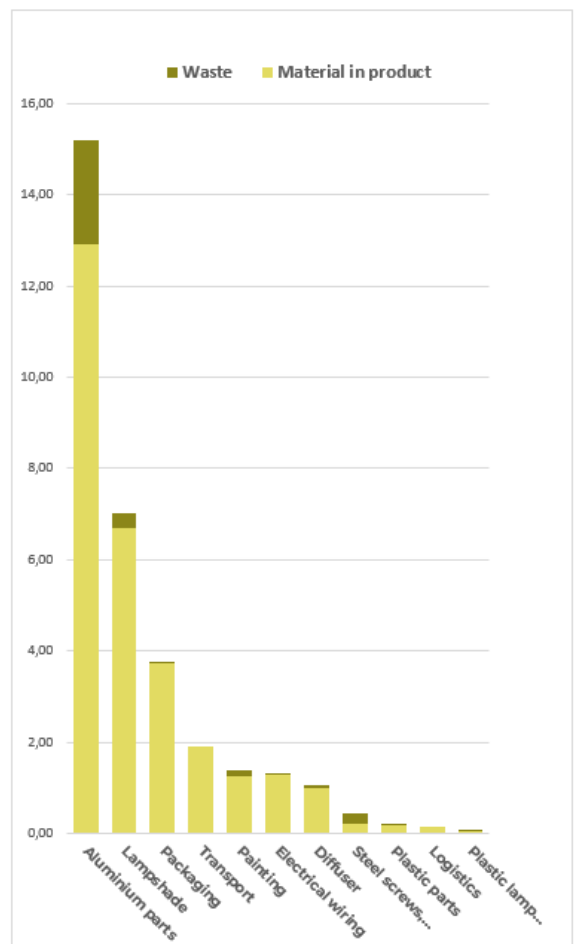
Panthella 320 Grey Opal

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	17,1%
A1`	Painting	Powder coating	CN - China	0,6%
B	Steel screws, bolts and nuts	Machined stainless steel	CN - China	1,0%
C	Lampshade	PMMA	CN - China	16,3%
D	Diffuser	PMMA	CN - China	2,4%
E	Plastic lamp holder	Variety of components	CN - China	0,3%
F	Electrical wiring	TPE and copper	CN - China	4,7%
G	Plastic parts	PC	CN - China	0,4%
H	Labels and instructions	Paper	CN - China	0,1%
I	Packaging	Corrugated cardboard	CN - China	55,6%
J	Packaing	Cotton bag	CN - China	1,1%
K	Packaging	LDE Plastic bag	CN - China	0,3%
				100%

类型:ASSEM   名称:PANTHELLA-320   尺寸:A4   页面1 的3

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Life Cycle Screening results

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

PANTHELLA TABLE 320, GREY OPAL ACRYL, WHT PL, 1X7.5W E14.

Production of the product

Average climate emission:

34 KG CO2-e

Lower boundary:	27 CO2-e
Upper boundary:	43 CO2-e

Production of the product and use stage

Average climate emission:

80 KG CO2-e

Lower boundary:	70 CO2-e
Upper boundary:	85 CO2-e

Carbon stages
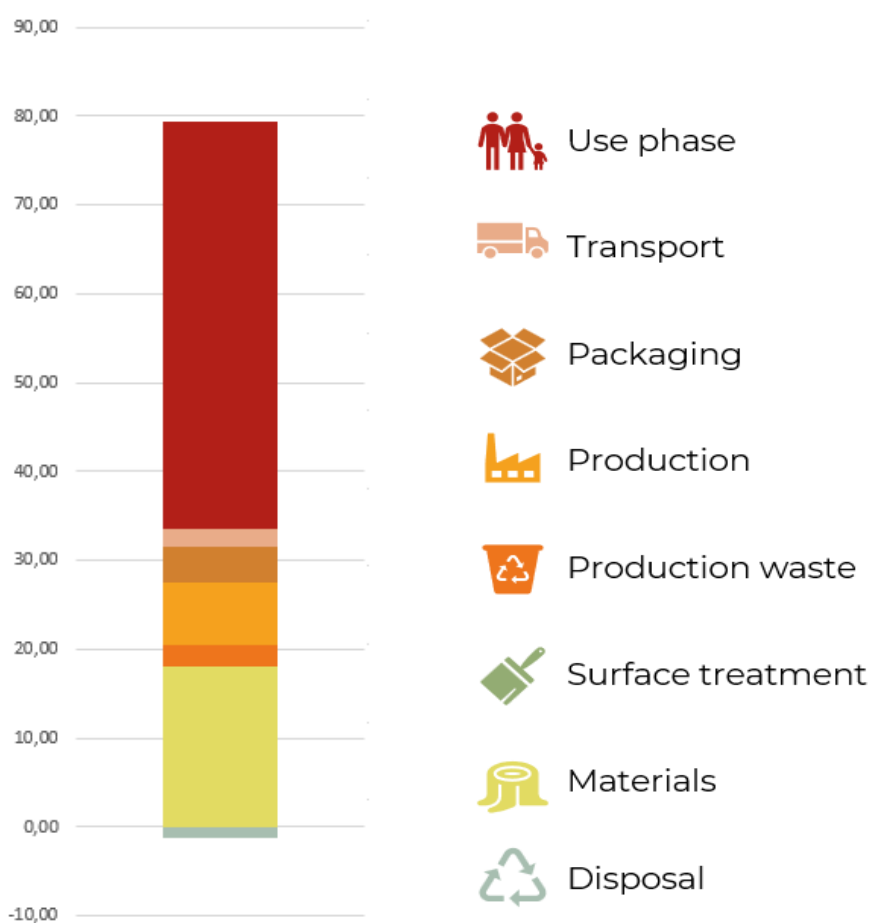
- Use phase
- Transport
- Packaging
- Production
- Production waste
- Surface treatment
- Materials
- Disposal

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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	15,62	kg CO2-e	48,4%
Plastic	8,26	kg CO2-e	25,6%
Glass / Stone / Ceramics	0,00	kg CO2-e	0,0%
Surface finish & chemicals	1,22	kg CO2-e	3,8%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,00	kg CO2-e	0,0%
Electronic components	1,35	kg CO2-e	4,2%
Packaging	3,86	kg CO2-e	11,9%
Transport & logistics	1,99	kg CO2-e	6,2%

Transport & logistics 6%
Packaging 12%
Electronic components 4%
Surface finish & chemicals 4%
Metal 48%
Plastic 26%

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

Main emission sources *(pr element)**

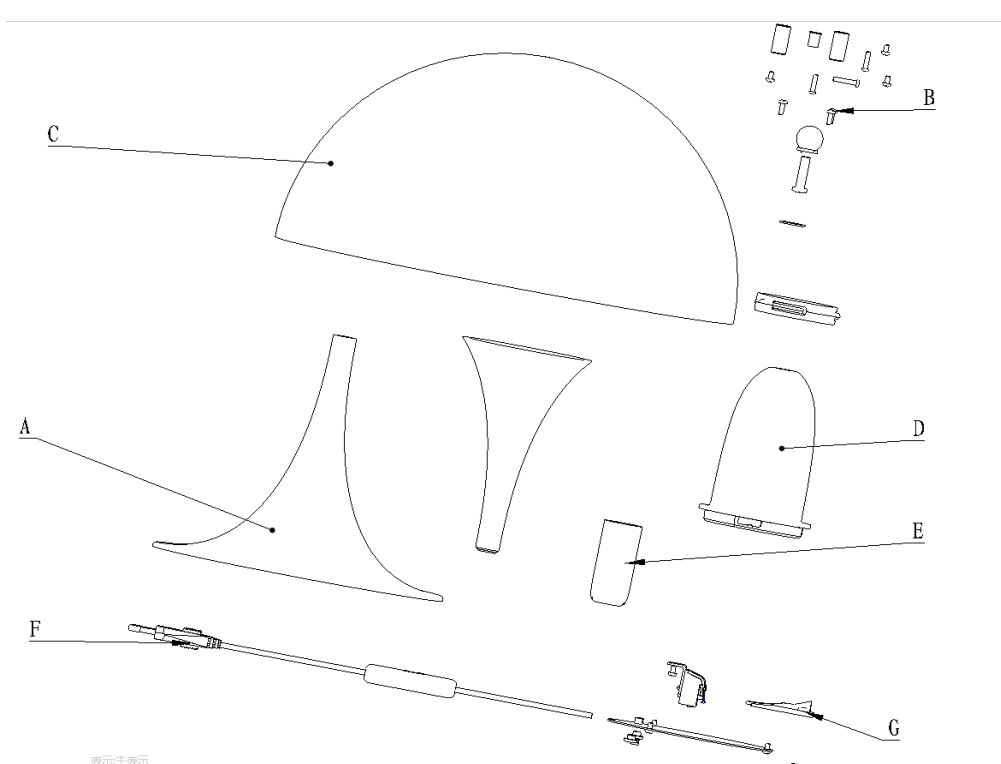| Element	Material	Total impact	
Aluminium parts	Alu. cast	15,19	kg CO2-e
Lampshade	Acrylic (PMMA)	7,02	kg CO2-e
Packaging	Cardboard box bleached 4 colour print sustainable fiber	3,76	kg CO2-e
Transport	Total emission from transport - all steps	1,86	kg CO2-e
Electrical wiring	Electric cable (PVC)	1,30	kg CO2-e
Painting	Chrome plating on metal for decoration (1um + nickel)	1,22	kg CO2-e
Diffuser	Acrylic (PMMA)	1,05	kg CO2-e
Steel screws, bolts and nuts	Stainless steel screws/bolts	0,43	kg CO2-e
Plastic parts	Polycarbonate PC	0,20	kg CO2-e
Logistics	Total emission from warehouse + own retail	0,13	kg CO2-e
Plastic lamp holder	Light bulb socket plastic	0,05	kg CO2-e

■ Waste ■ Material in product

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

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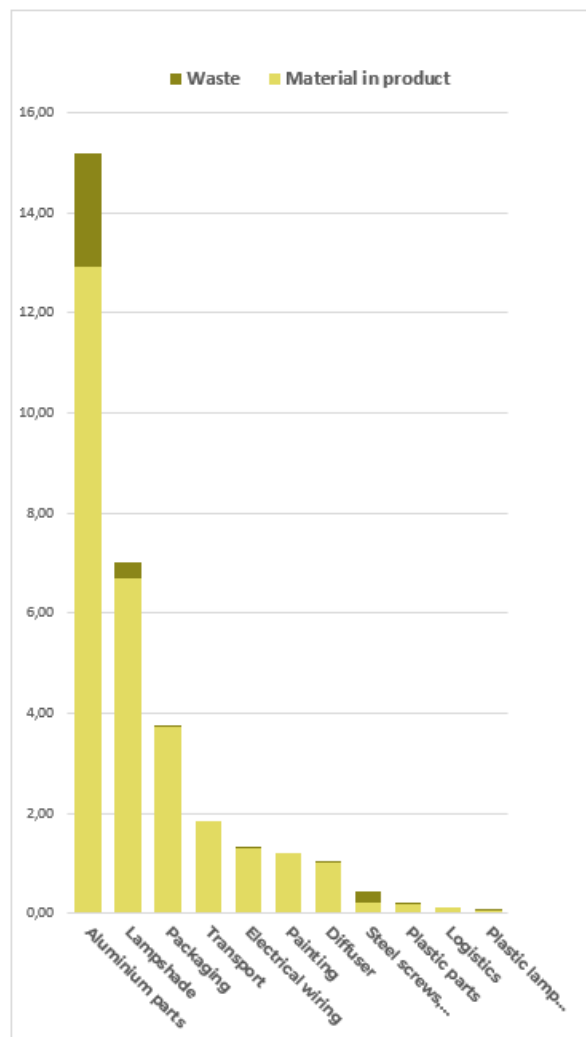
Panthella 320 High Lustre Chrome

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	14,4%
A1`	Painting	Powder coating	CN - China	0,5%
B	Steel screws, bolts and nuts	Machined stainless steel	CN - China	0,8%
C	Lampshade	Steel	CN - China	29,4%
D	Diffuser	PMMA	CN - China	2,0%
E	Plastic lamp holder	Variety of components	CN - China	0,2%
F	Electrical wiring	TPE and copper	CN - China	4,0%
G	Plastic parts	PC	CN - China	0,4%
H	Labels and instructions	Paper	CN - China	0,1%
I	Packaging	Corrugated cardboard	CN - China	46,9%
J	Packaing	Cotton bag	CN - China	1,0%
K	Packaging	LDE Plastic bag	CN - China	0,3%
				100%

类型:ASSEM 表示:主表示 名称:PANTHELLA-320 尺寸:A4 页面1 的3

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Life Cycle Screening results

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

PANTHELLA TABLE 320, HIGH LUSTRE CHROME PLATED, BLK PL, 1X7.5W E14.

Production of the product	**Production of the product and use stage**
Average climate emission:	Average climate emission:
37 KG CO2-e	**80 KG CO2-e**
Lower boundary: 30 CO2-e	Lower boundary: 75 CO2-e
Upper boundary: 90 CO2-e	Upper boundary: 140 CO2-e

Carbon stages
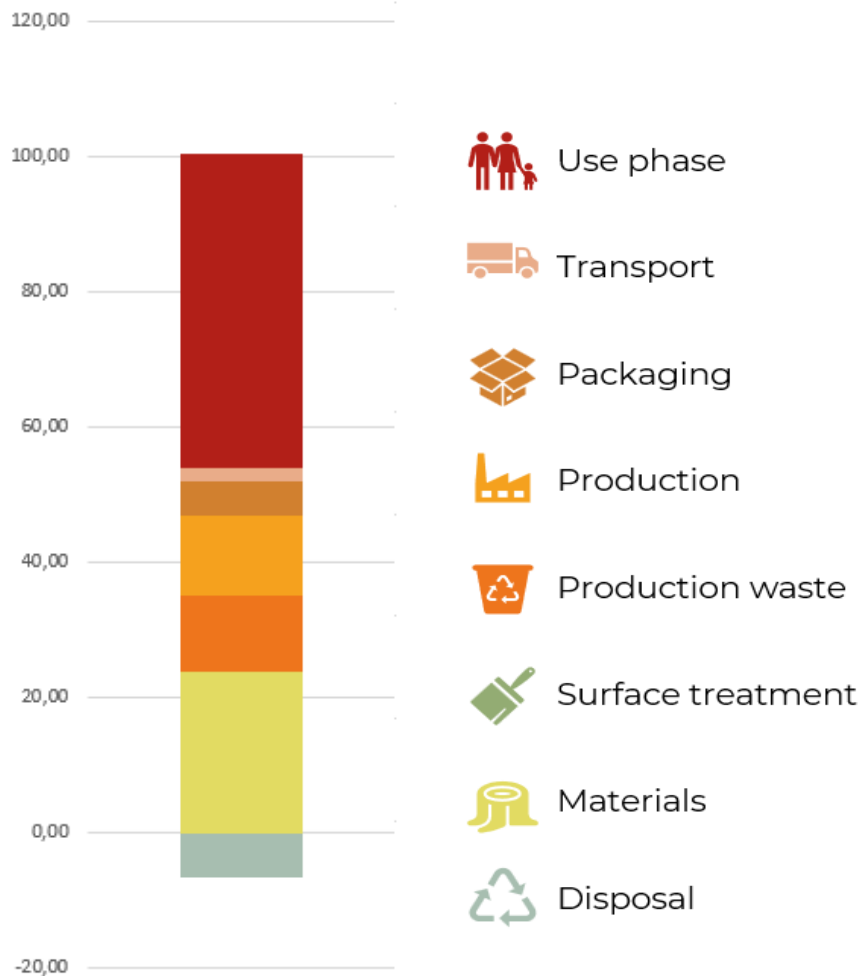
- Use phase
- Transport
- Packaging
- Production
- Production waste
- Surface treatment
- Materials
- Disposal

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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	32,88	kg CO2-e	69,4%
Plastic	1,45	kg CO2-e	3,1%
Glass / Stone / Ceramics	0,00	kg CO2-e	0,0%
Surface finish & chemicals	4,05	kg CO2-e	8,5%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,00	kg CO2-e	0,0%
Electronic components	1,35	kg CO2-e	2,9%
Packaging	5,51	kg CO2-e	11,6%
Transport & logistics	2,15	kg CO2-e	4,5%
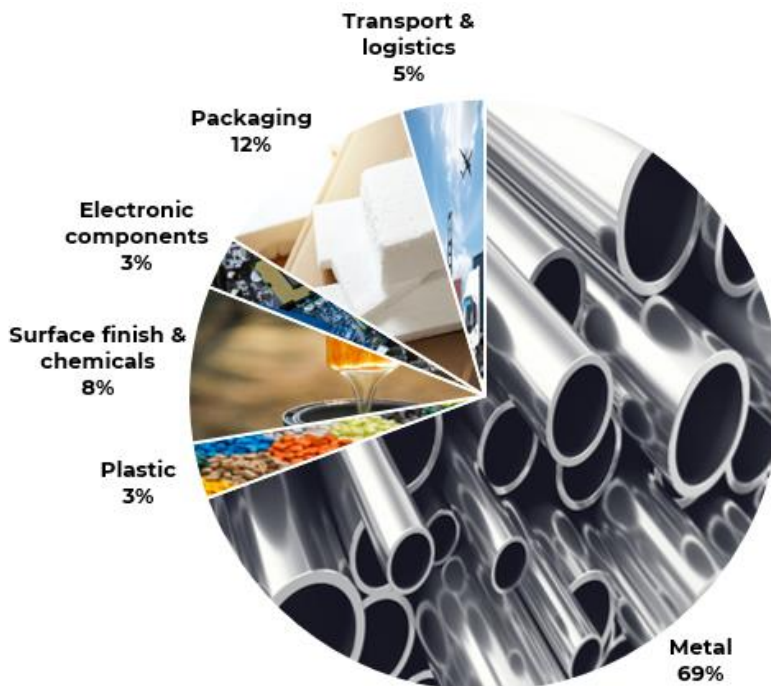
Transport & logistics 5%
Packaging 12%
Electronic components 3%
Surface finish & chemicals 8%
Plastic 3%
Metal 69%

The values presented here represent total emissions per material group (incl. material, production, transport, waste, CO_2e uptake)

Main emission sources *(pr element)**

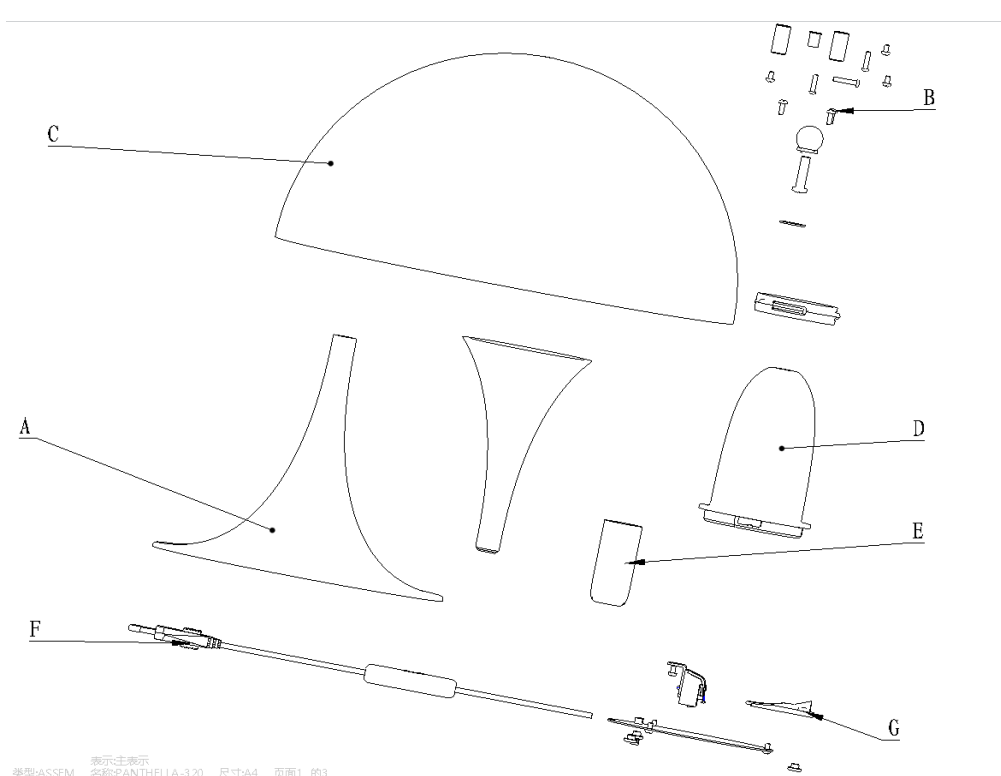| Element	Material	Total impact	
Aluminium parts	Alu. cast	16,94	kg CO2-e
Iron lampshade	Stainless steel machined	15,51	kg CO2-e
Painting	Chrome plating on metal for decoration (1um + nickel)	4,05	kg CO2-e
Foam inserts	Polystyrene foam (EPS)	3,21	kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	2,25	kg CO2-e
Transport	Total emission from transport - all steps	2,02	kg CO2-e
Electrical wiring	Electric cable (PVC)	1,30	kg CO2-e
Diffuser	Acrylic (PMMA)	1,23	kg CO2-e
Steel screws, bolts and nuts	Stainless steel screws/bolts	0,43	kg CO2-e
Plastic parts	Polycarbonate PC	0,23	kg CO2-e
Logistics	Total emission from warehouse	0,13	kg CO2-e
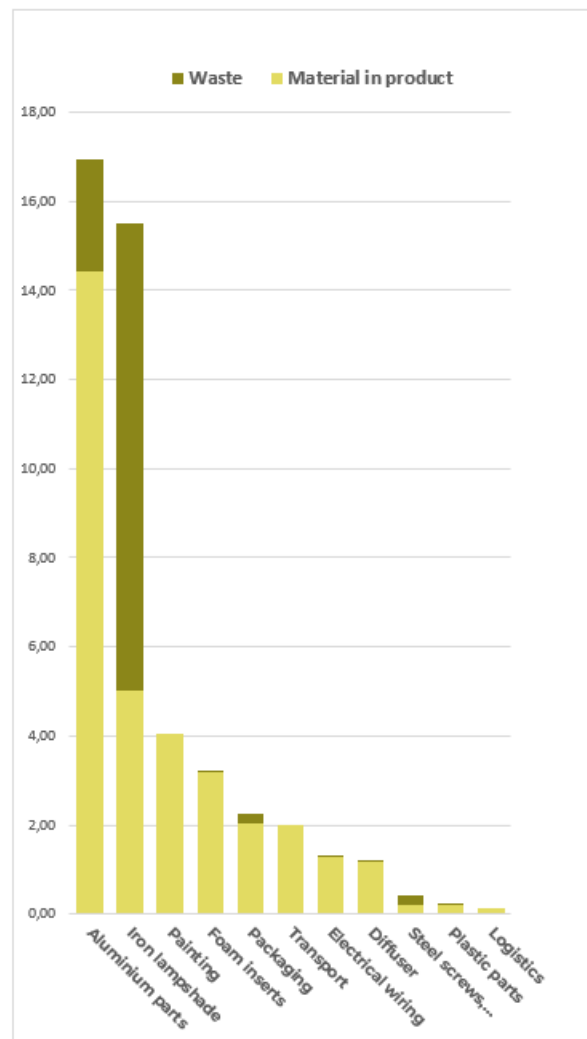
The values presented here represent total emissions per element (incl. material, production, transport, waste, CO_2e uptake)

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Panthella 320 Brass Metallized

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	14,4%
A1`	Painting	Powder coating	CN - China	0,5%
B	Steel screws, bolts and nuts	Machined stainless steel	CN - China	0,8%
C	Lampshade	Steel	CN - China	29,4%
D	Diffuser	PMMA	CN - China	2,0%
E	Plastic lamp holder	Variety of components	CN - China	0,2%
F	Electrical wiring	TPE and copper	CN - China	4,0%
G	Plastic parts	PC	CN - China	0,4%
H	Labels and instructions	Paper	CN - China	0,1%
I	Packaging	Corrugated cardboard	CN - China	46,9%
J	Packaing	Cotton bag	CN - China	1,0%
K	Packaging	LDE Plastic bag	CN - China	0,3%
				100%

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Life Cycle Screening results

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

PANTHELLA TABLE 320, BRASS METALLIZED, WHT PL, 1X7.5W E14.

Production of the product

Average climate emission:

43 KG CO2-e

Lower boundary:	26 CO2-e
Upper boundary:	80 CO2-e

Production of the product and use stage
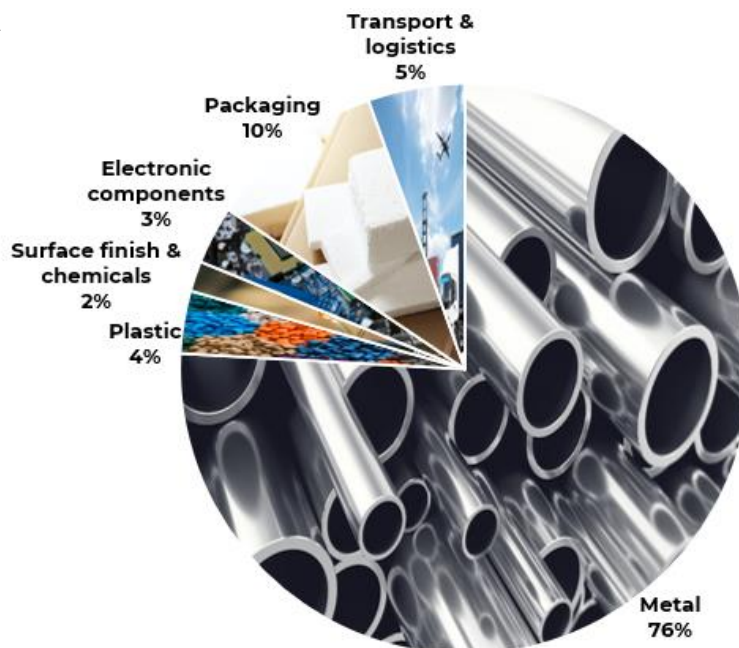
Average climate emission:

85 KG CO2-e

Lower boundary:	70 CO2-e
Upper boundary:	130 CO2-e

Carbon stages
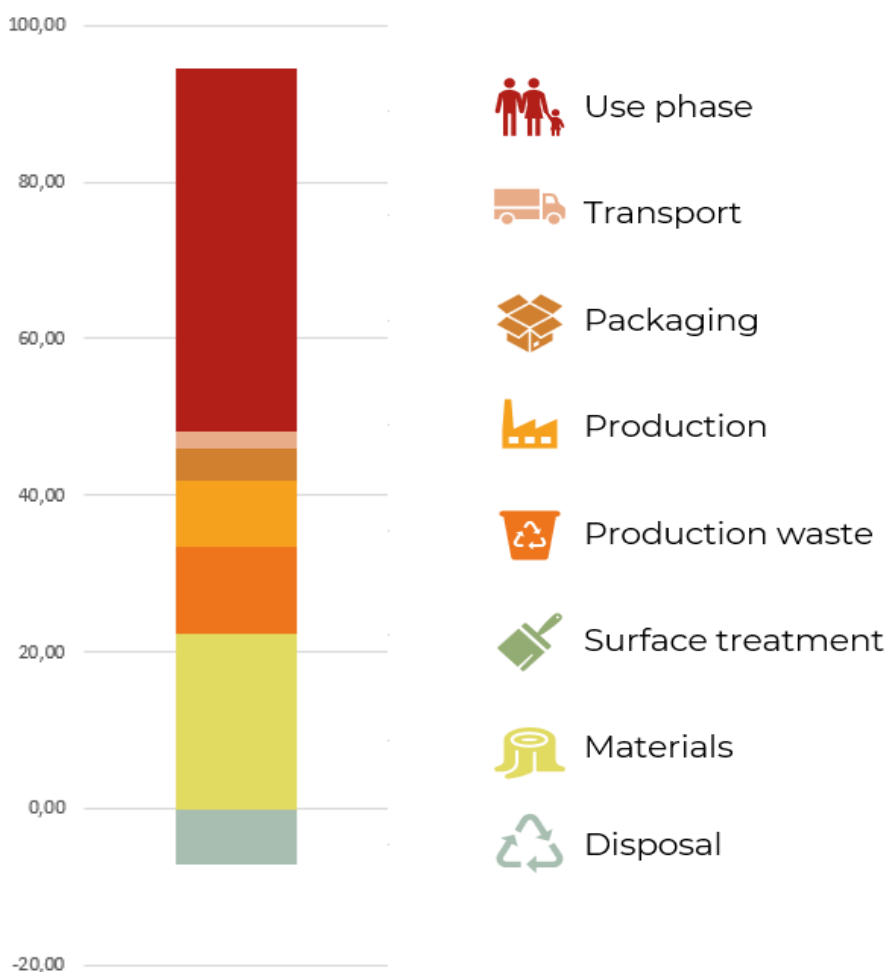
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Main emission sources *(pr material group)**

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	31,13	kg CO2-e	75,9%
Plastic	1,45	kg CO2-e	3,5%
Glass / Stone / Ceramics	0,00	kg CO2-e	0,0%
Surface finish & chemicals	0,70	kg CO2-e	1,7%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,00	kg CO2-e	0,0%
Electronic components	1,35	kg CO2-e	3,3%
Packaging	4,14	kg CO2-e	10,1%
Transport & logistics	2,25	kg CO2-e	5,5%

Transport & logistics 5%
Packaging 10%
Electronic components 3%
Surface finish & chemicals 2%
Plastic 4%
Metal 76%

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	
Iron lampshade	Stainless steel machined	15,51	kg CO2-e
Aluminium parts	Alu. cast	15,19	kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	4,04	kg CO2-e
Transport	Total emission from transport - all steps	2,12	kg CO2-e
Electrical wiring	Electric cable (PVC)	1,30	kg CO2-e
Diffuser	Acrylic (PMMA)	1,23	kg CO2-e
Painting	Physical vapor deposition (PVD)	0,70	kg CO2-e
Steel screws, bolts and nuts	Stainless steel screws/bolts	0,43	kg CO2-e
Plastic parts	Polycarbonate PC	0,23	kg CO2-e
Logistics	Total emission from warehouse + own retail	0,13	kg CO2-e
Plastic lamp holder	Light bulb socket plastic	0,05	kg CO2-e

Legend: Waste, Material in product

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