

louis poulsen



Environmental Product Specifications

— VL45 Portable

Product description

- The fixture provides uniform, general and diffused illumination.
The quality of the glass ensures that the fixture is evenly lit.



Product info

Information

Please note that the intensity of the coloured glass may vary. Battery lifetime: 5 hours at 100%. 7 hours at 45%. 13 hours at 25%. 38 hours at 5%

Mounting

USB-C to USB-C cord. White light indicator on base when charging. Battery lifetime: 5 hours at 100%. Dim to Warm, stepless-dim and 4 step-dim (5%, 20%, 45%, 100%) Customer user setting (can switch between the functions). System level output: 100% = 270 lm. The lamp is fitted with an integrated energy-saving replaceable LED light source. Compatible with standard USB adapters (Min. 1.5A)

Class

Ingress protection IP44, suited for in- and outdoor use.

Finish

Glossy white opal glass, glossy Pale Rose coloured glass or glossy Pale Yellow coloured glass. Brass or aged brass with hairlines and lacquered finish. Light or Dark brown leather strap.

Materials

Mouth-blown glass, brass and aged brass with hairlines and genuine leather strap.

Light source

LED

Sizes and weights

Width x Height x Length (mm)

248 x 80 x 248 Max 2.3 kg

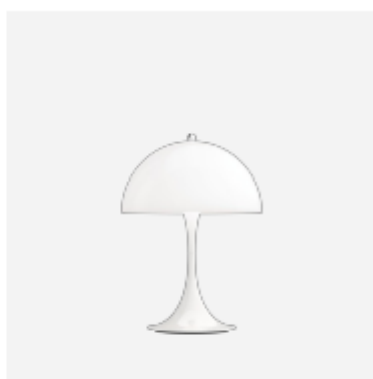
438 x 94 x 438 Max 5.0 kg

679 x 97 x 679 Max 10.6 kg

Product family



VL 45 Radiohus Pendant



Panthella 250 Portable Lamp



Tomoshi Portable Lamp

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:



Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Base, Top, Pole	Brass	CN - China	17,3%
B	Heat sink	Aluminium	CN - China	0,9%
C	Steel screws, bolts and nuts	Stainless steel	CN - China	0,7%
D	Diffuser, Battery compartment	PC	CN - China	8,1%
E	Leather strap	Leather	CN - China	0,3%
F	Electronic component	Variety of component	CN - China	0,8%
G	LED	Variety of component	CN - China	0,3%
H	Electrical wiring	PVC	CN - China	2,2%
I	O ring	Silicone	CN - China	0,7%
J	Battery	Lithium ion battery	CN - China	5,0%
K	Glass shade	Glass	CN - China	31,0%
L	Packaging	Corrugated cardboard	CN - China	32,2%
M	Nonwoven bag	PP	CN - China	0,5%
				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

1.200 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.



Life Cycle Screening results

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

VL 45 Radiohus Portable Lampe, Brass/glossy white opal glass

Production of the product

Average climate emission:

19 KG CO2-e

Lower boundary: 16 CO2-e

Upper boundary: 22 CO2-e

Production of the product and use stage

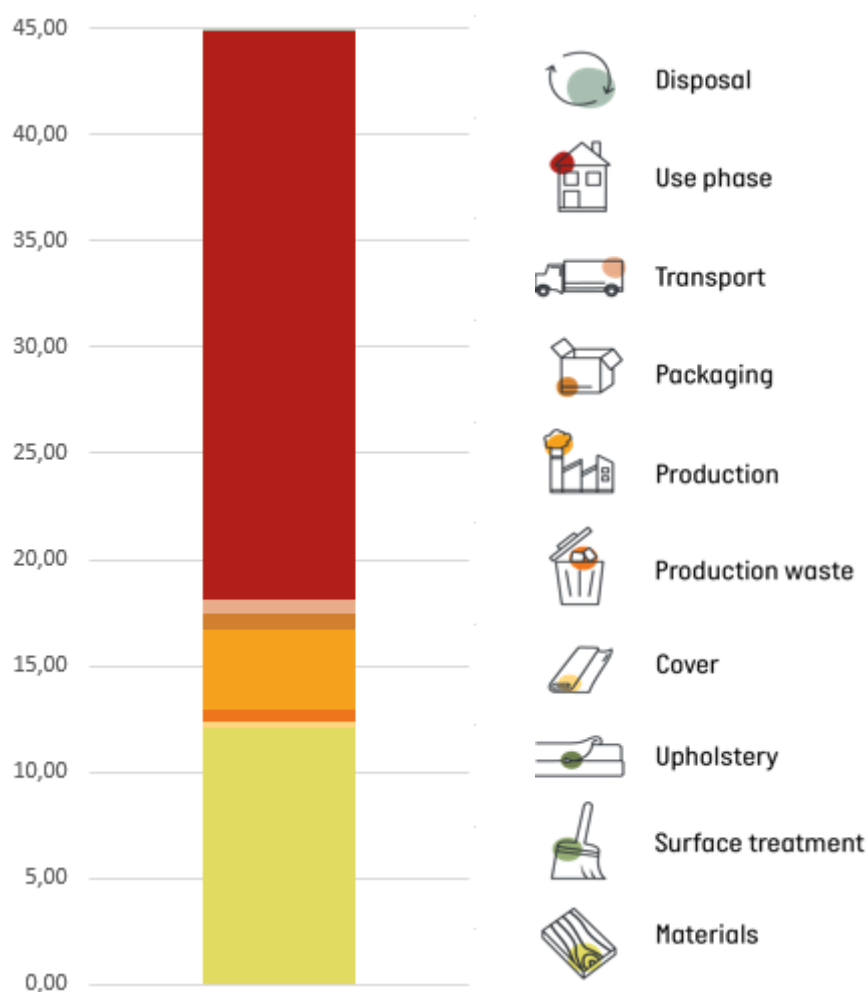
Average climate emission:

45 KG CO2-e

Lower boundary: 41 CO2-e

Upper boundary: 47 CO2-e

Carbon stages

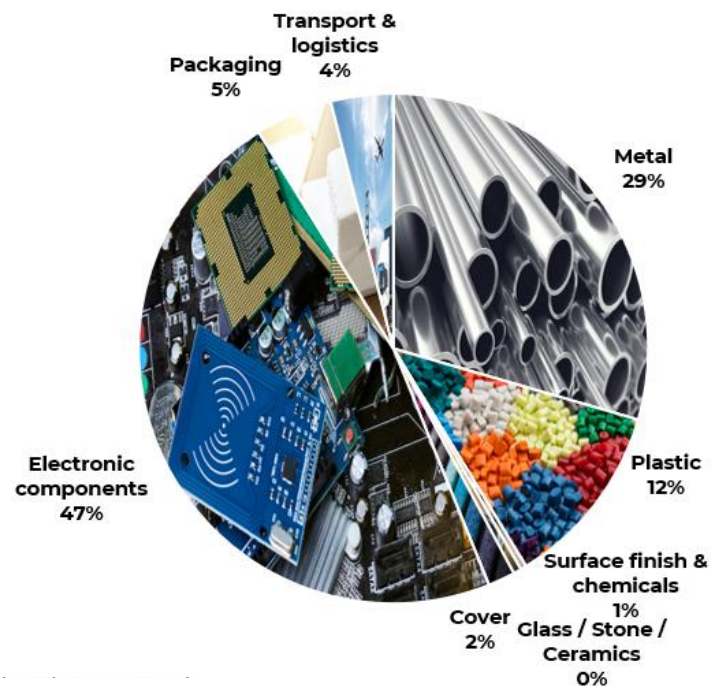


The carbon footprint has been calculated using Målbar version 2.9612; in accordance with the Product Environmental Footprint. The carbon footprint has not been third-party verified. Only to be used for B2B, as comparing alternative results. Comparing data across methodologies is likely to result in inaccurate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

Main emission sources (pr material group)*

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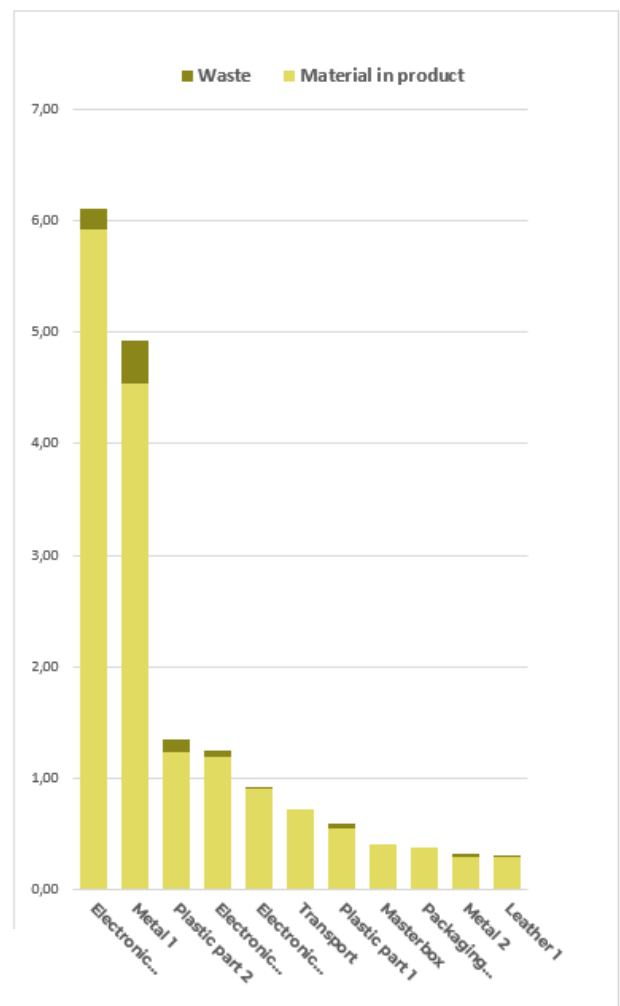
Group	Total impact		
Solid Wood	0,00	kg CO2-e	0,0%
Wood based board	0,00	kg CO2-e	0,0%
Metal	5,35	kg CO2-e	29,5%
Plastic	2,14	kg CO2-e	11,8%
Glass / Stone / Ceramics	0,07	kg CO2-e	0,4%
Surface finish & chemicals	0,09	kg CO2-e	0,5%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,31	kg CO2-e	1,7%
Electronic components	8,57	kg CO2-e	47,3%
Packaging	0,89	kg CO2-e	4,9%
Transport & logistics	0,72	kg CO2-e	4,0%



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	6,10 kg CO2-e
Metal 1	Brass die cast	4,93 kg CO2-e
Plastic part 2	Polycarbonate PC	1,35 kg CO2-e
Electronic component 4	LED 3,5x3,5x2,0mm (59mg)	1,24 kg CO2-e
Electronic component 2	Rechargeable battery, Li-ion	0,91 kg CO2-e
Transport	Total emission from transport - all steps	0,72 kg CO2-e
Plastic part 1	Polycarbonate PC, Post consumer recycled	0,60 kg CO2-e
Masterbox	Corrugated cardboard box printed sustainable fiber	0,41 kg CO2-e
Packaging materials 1	Corrugated cardboard box printed sustainable fiber	0,38 kg CO2-e
Metal 2	Alu. sheet punched	0,32 kg CO2-e
Leather 1	Leather for upholstery &	0,31 kg CO2-e
Total impact from Waste		1,96 kg CO2-e



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