

louis poulsen



Environmental Product Specifications

— PH 2/1 Portable

Product description

- This portable table lamp emits a glare-free, soft and comfortable light, that has a dim-to-warm function, giving the perfect illumination for many different activities. The PH 2/1 Portable is designed on the principle of a reflective three-shade system, which creates harmonious and glare-free lighting.



Product info

Information

Please note that the PH 2/1 Portable comes with a USB-cord but without an adaptor. Please use a 15W/3A USB adaptor

Mounting

Mounting Cord length: 1.5 m. Power: USB-C-C cord for standard 15W/3A USB-C adaptor or inductive charging. White light indicator on base when charging. Light control: Switch on base. Batteries: Lipo, rechargeable, replaceable. Battery lifetime: 5 hours @ 100%. Both D2W (1800-3000K) Stepless-dim and 4 step-dim (5%, 20%, 45%, 100%) customer user setting (can switch between the functions)

Light source

LED 2700K 3.5W Lumen: 289

Materials

Shades: Mouth-blown white opal glass. Top plate, base and stem: Brass metallised or High lustre chrome plated brass.

Finish

White opal glass with frame in metallised brass. White opal glass with frame in high lustre chrome plated.

Sizes and weights

width x Height x Length (mm) | 200 x 360 x 200
Max 1.3 kg

Class

Ingress protection IP44, Electric shock protection III

Related products



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	Lampshade	Glass	CN - China	16,6%
B	Electric Wire	PVC	CN - China	0,2%
C	Screws, weight	Steel	CN - China	6,0%
D	Plastic parts	PA6	CN - China	0,7%
E	PCA, USB, LED	Electronic	CN - China	3,1%
F	Battery	Battery	CN - China	5,7%
G	Pad	Silicone	CN - China	0,3%
H	Lamp body	Aluminum	CN - China	13,7%
I	Mi & sleeve	Paper	CN - China	6,8%
J	Packaging Box	Corrugated cardboard	CN - China	44,8%
K	Packaging bag	Cotton	CN - China	2,3%
				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.

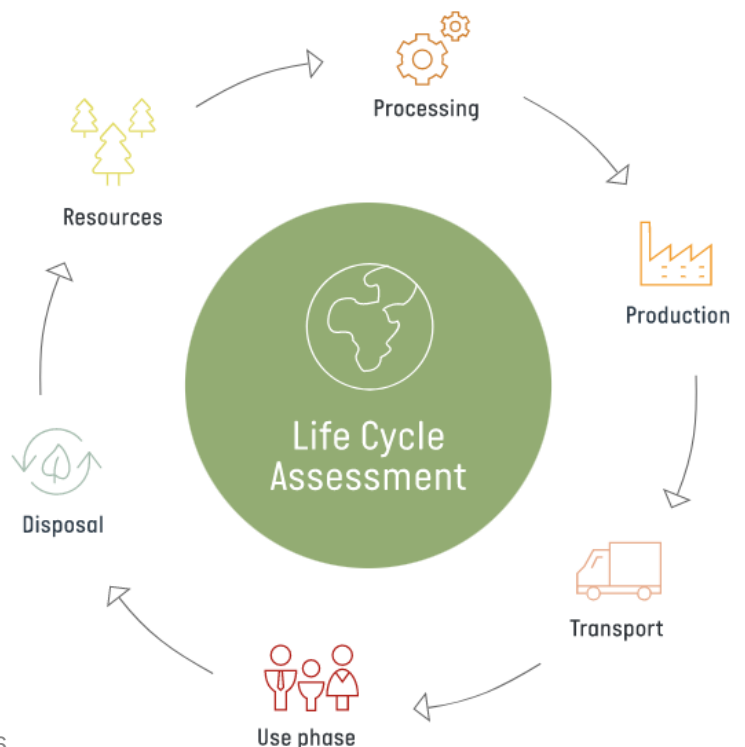
The electricity is based on the European energy mix, with data from: the European Environment Agency Greenhouse gas emission intensity of electricity generation.

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:

PH 2/1 Portable Lamp, High lustre chrome plated, -, Without cord, LED 2700K 3.5W, 289, OPAL GLAS, -

Production of the product

Average climate emission:

55 KG CO2-e

Lower boundary: 45 CO2-e

Upper boundary: 90 CO2-e

Production of the product and use stage

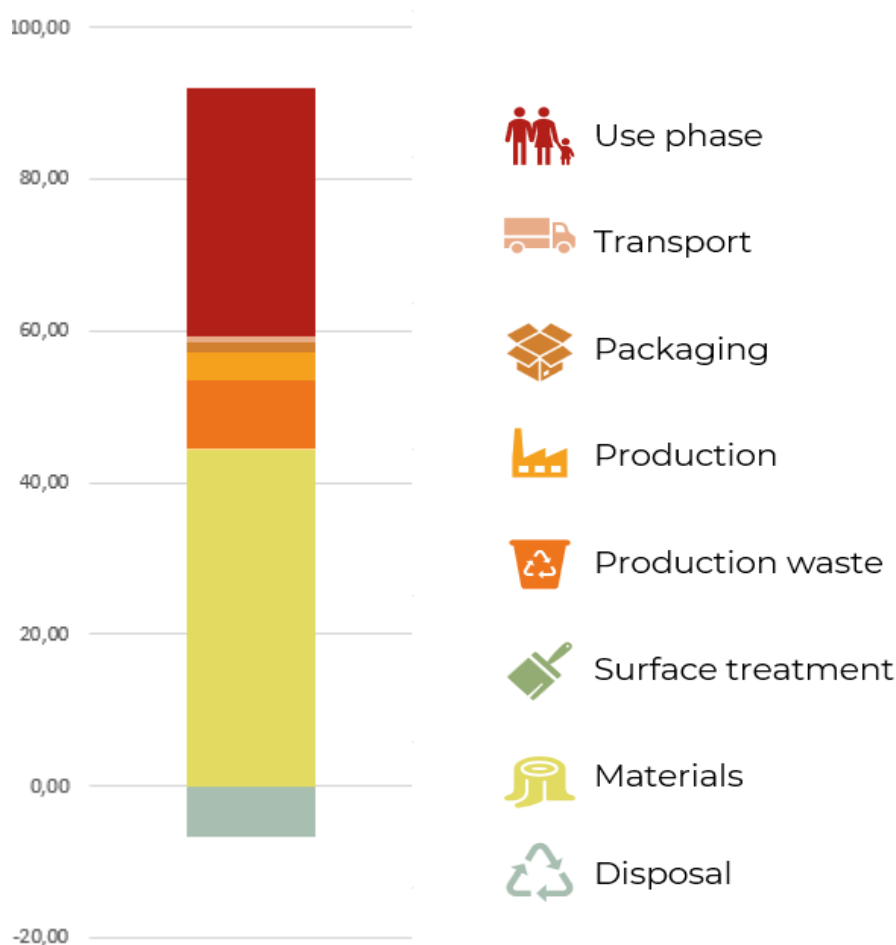
Average climate emission:

85 KG CO2-e

Lower boundary: 75 CO2-e

Upper boundary: 120 CO2-e

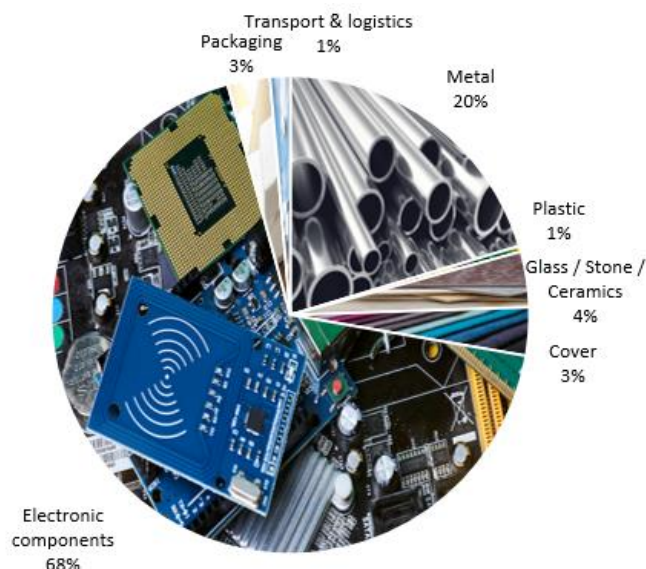
Carbon stages



The carbon footprint has been calculated using Målbar version 2.9608; 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)*

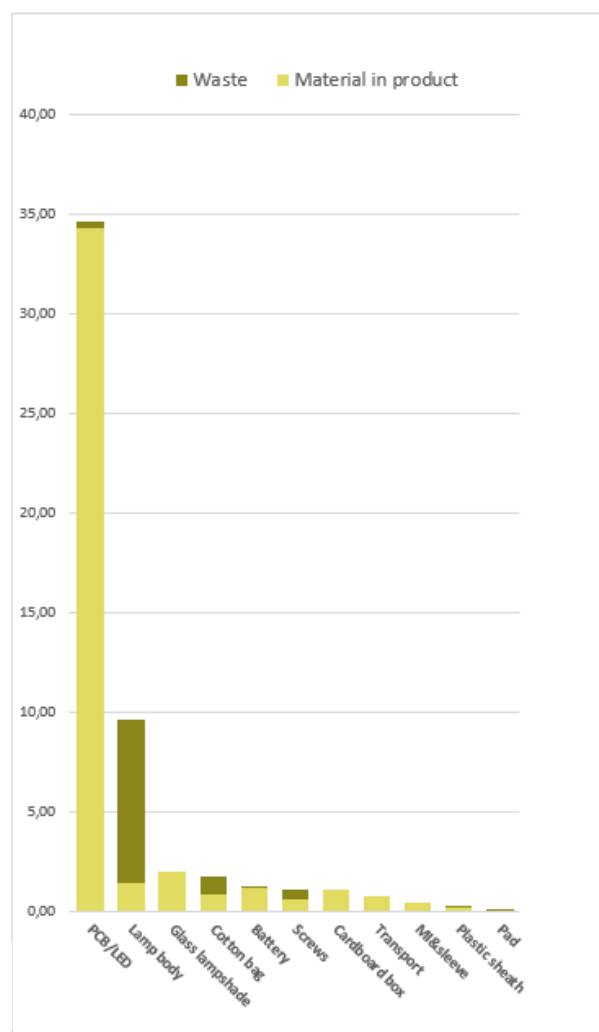
Group	Total impact	
Solid Wood	0,0 kg CO ₂ e	0,0%
Wood based board	0,0 kg CO ₂ e	0,0%
Metal	10,7 kg CO ₂ e	20,3%
Plastic	0,2 kg CO ₂ e	0,4%
Glass / Stone / Ceramics	2,0 kg CO ₂ e	3,8%
Surface finish & chemicals	0,0 kg CO ₂ e	0,0%
Upholstery	0,0 kg CO ₂ e	0,0%
Cover	1,7 kg CO ₂ e	3,2%
Electronic components	35,8 kg CO ₂ e	68,0%
Packaging	1,5 kg CO ₂ e	2,9%
Transport & logistics	0,7 kg CO ₂ e	1,4%



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
PCB/LED	Unspecified PCB surface mounted	34,6 kg CO ₂ eq
Lamp body	Alu. machined	9,6 kg CO ₂ eq
Glass lampshade	Virgin glass auto cast/pressed container	2,0 kg CO ₂ eq
Cotton bag	Cotton	1,7 kg CO ₂ eq
Battery	Rechargeable battery, Li-ion	1,1 kg CO ₂ eq
Screws	Steel screws/bolts	1,1 kg CO ₂ eq
Cardboard box	Corrugated cardboard box printed sustainable fiber	1,1 kg CO ₂ eq
Transport	Total emission from transport - all steps	0,7 kg CO ₂ eq
MI&sleeve	Paper color print sustainable fiber	0,39 kg CO ₂ ec
Plastic sheath	Polyamide (PA6)	0,16 kg CO ₂ ec
Pad	Silicone rubber resin	0,05 kg CO ₂ ec



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