

louis poulsen



Environmental Product Specifications

— VL Ring Crown Wall

Product description

- The wall lamp emits light directed primarily downwards.
- The opal glass provides a comfortable and uniform illumination of the area around the fixture.



Product info

Mounting

Depends on the variant

Finish

Glossy mouth-blown white opal glass. Satin polished brass, untreated.

Light source

E27.

Sizes and weights

Width x Height x Length (mm)

425 x 233 x 305 Max 2.8 kg

190 x 233 x 275 Max 1.7 kg

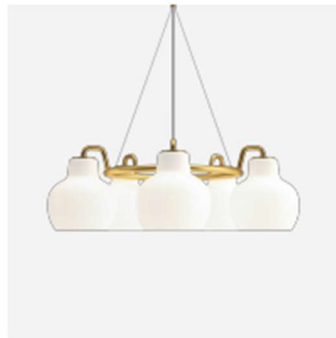
Class

Ingress protection IP20. Electric shock protection II w/o ground.

Product family



VL Ring Crown 1



VL Ring Crown 3-5-7

Product variants

Dimension

1

2

Light source

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 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

The aluminium material is sourced from min. 90% authentic, refined, recycled aluminium.

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	Plastic parts	PBT	DK - Denmark	2,6%
B	Brass parts	Machined brass	TW - Taiwan	13,7%
C	Socket	Variety of components	IT - Italy	1,8%
D	Screws	Stainless steel	CN - China	0,2%
E	Glass VL Crown	Glass	IT - Italy	34,5%
F	Wall bracket	Machined aluminium	DK - Denmark	1,5%
G	Press bushing	Machined steel	CN - China	0,0%
H	Stainless steel parts	Machined stainless steel	CN - China	0,1%
I	Grommet	PA	DK - Denmark	0,6%
J	Grommet plate	TPE	DK - Denmark	0,0%
K	Terminalbox	Variety of components	SE - Sweden	0,4%
L	Press switch	Variety of components	CN - China	0,1%
M	Stud tab	Machined brass/tin	US - United States	0,0%
N	Electrical wiring	Variety of components	IT - Italy	3,3%
O	Labels and instructions	Paper	DK - Denmark	0,3%
P	Packaging	Corrugated cardboard	DK - Denmark	20,0%
Q	Packaging	Corrugated cardboard	DK - Denmark	10,2%
R	Inserts	EPS	DK - Denmark	8,6%
S	Plastic bags	LDPE	LT - Lithuania	0,3%
T	Fiber cloth	PE/PA	CN - China	0,8%
U	Cotton gloves	Cotton	PK - Pakistan	0,5%
V	Dry bag	PE	DK - Denmark	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 RING CROWN WALL, 2, E27.

Production of the product

Average climate emission:

60 KG CO₂-e

Lower boundary: 55 CO₂-e

Upper boundary: 75 CO₂-e

Production of the product and use stage

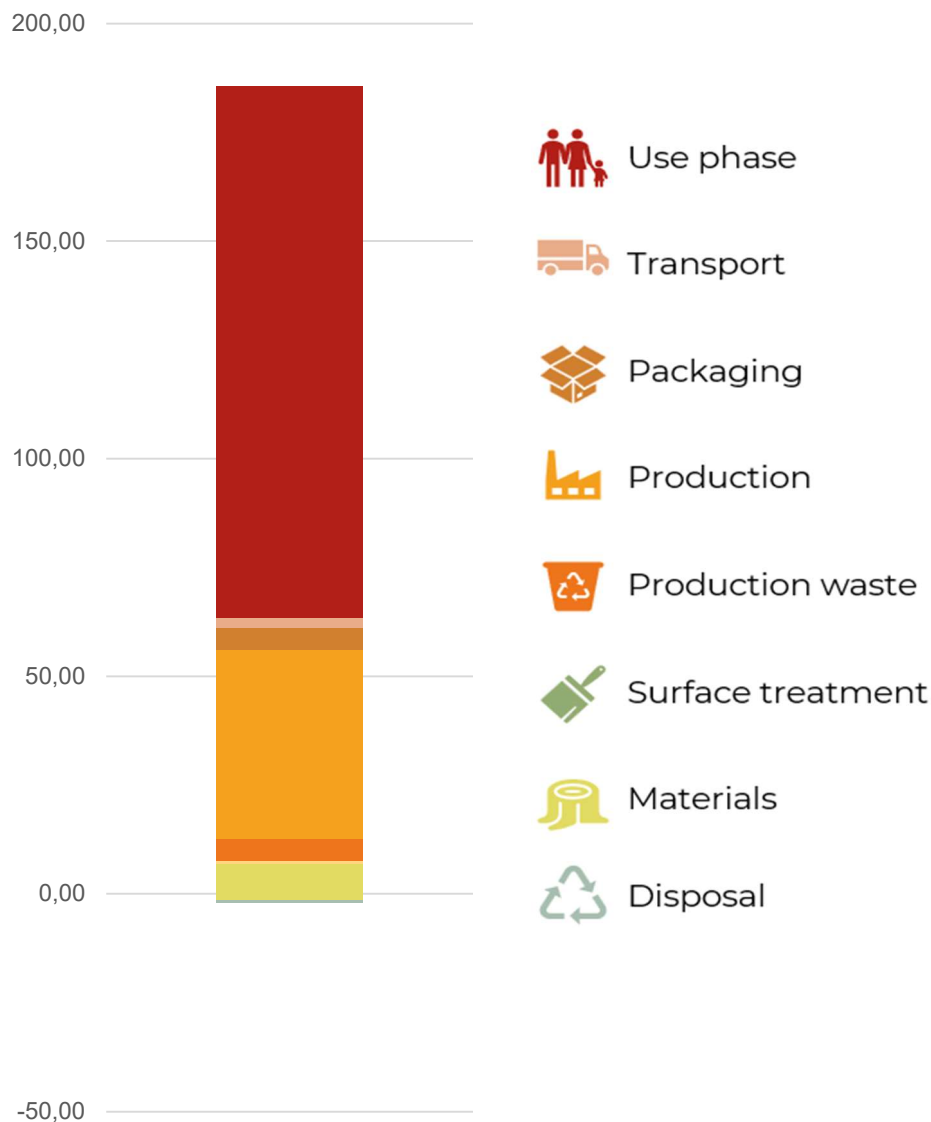
Average climate emission:

180 KG CO₂-e

Lower boundary: 170 CO₂-e

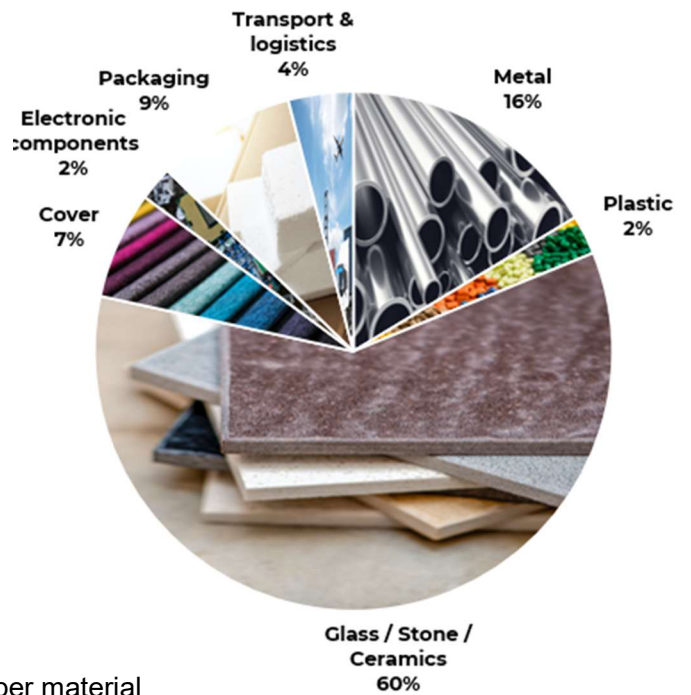
Upper boundary: 190 CO₂-e

Carbon stages



Main emission sources (pr material group)*

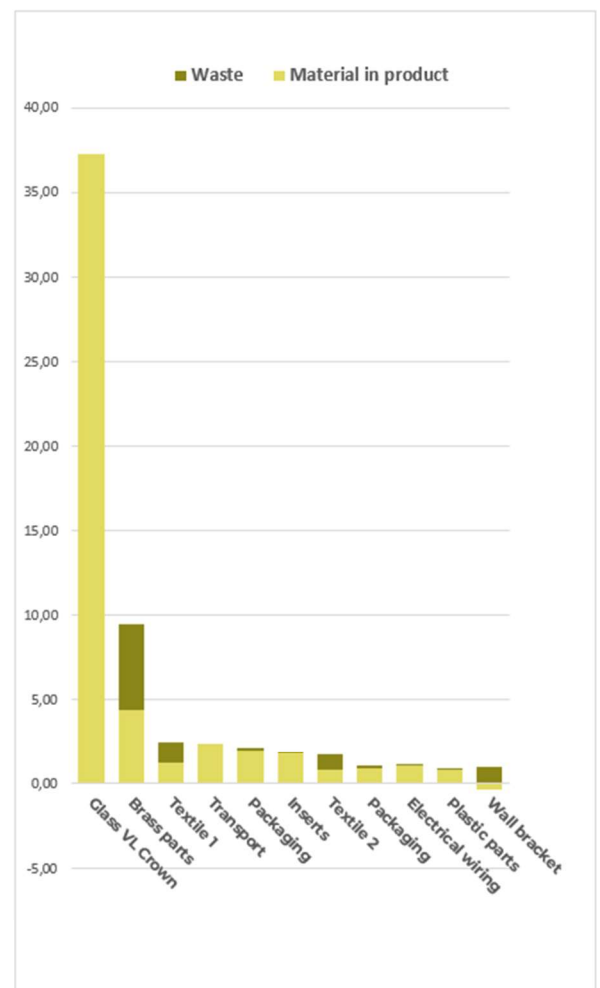
Group	Total impact
Solid Wood	0,00 kg CO2-e 0,0%
Wood based board	0,00 kg CO2-e 0,0%
Metal	10,23 kg CO2-e 16,4%
Plastic	1,53 kg CO2-e 2,5%
Glass / Stone / Ceramics	37,25 kg CO2-e 59,6%
Surface finish & chemicals	0,00 kg CO2-e 0,0%
Upholstery	0,00 kg CO2-e 0,0%
Cover	4,19 kg CO2-e 6,7%
Electronic components	1,33 kg CO2-e 2,1%
Packaging	5,44 kg CO2-e 8,7%
Transport & logistics	2,53 kg CO2-e 4,1%



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
Glass VL Crown	Virgin glass hand made	37,25 kg CO2-e
Brass parts	Brass machined	9,48 kg CO2-e
Textile 1	Polyester (PETa), Polyamide (PA)	2,49 kg CO2-e
Transport	Total emission from transport - all steps	2,41 kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	2,14 kg CO2-e
Inserts	Polystyrene foam (EPS)	1,80 kg CO2-e
Textile 2	Cotton, Area of cover, m2, Material	1,69 kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	1,09 kg CO2-e
Electrical wiring	Electric cable (PVC)	1,09 kg CO2-e
Plastic parts	Polyester (PETa)	0,87 kg CO2-e
Wall bracket	Alu. machined	0,59 kg CO2-e



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