

louis poulsen



Environmental Product Specifications

— Silverback

Product description

- The product is a family of variants.
- Surface mount version.
- Iconic design.
- Two dimensions.
- High quality finish acrylic front.
- Semi-transparent metalized polycarbonate back.
- Seamless snap between acrylic and polycarbonate part without any cover ring.
- Mat white front with continuous curve from luminaire body.



Product info

Mounting

Terminal strip: 1x5x2.5mm².

Finish

White opal and alu-metallised.

Light source

LED 3000K 9.8W, Lumen: 818

Sizes and weights

Width x Height x Length (mm)

295 x 89 x 295 Max 1.4 kg

440 x 110 x 440 Max 3.6 kg

Class

Protection class IP20, Insulation class I.

Product family



Silverback Suspended



Silverback Ceiling/Wall

Product variants

Dimension	Light source	Lumen
Ø 295	LED 3000K 32W	2306
Ø 440	LED 3000K 9.8W	818

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. 75% recycled fibre 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.

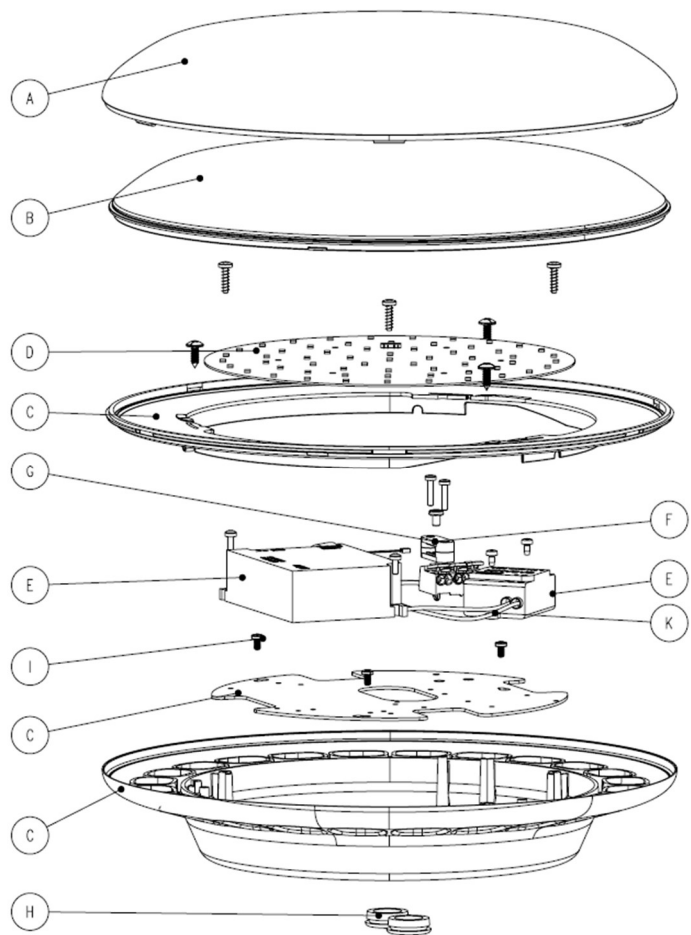
Louis Poulsen is part of ELRETUR which ensures that electronic waste (WEEE) across of Europa is reused.

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	Silverback opal shade	PMMA	SE – Sweden	9,7%
B	Silverback metallized shade	PC	SE – Sweden	8,2%
C	Driver plate	Aluminium	CN – China	24,3%
D	LED Board	Variety of components	CN – China	6,3%
E	Driver	Variety of components	IT – Italy	5,3%
F	Terminal	Variety of components	DE – Germany	0,6%
G	Strain relief	PA	DK – Denmark	0,1%
H	Membrane grommet	PVC	DE – Germany	0,2%
I	Screws and washers	Stainless steel	CN – China	1,5%
J	Cord	Variety of components	CN – China	0,2%
K	Wires	Variety of components	IT – Italy	1,8%
L	Labels and instructions	Paper	DK – Denmark	0,4%
M	Packaging	Corrugated cardboard	DK – Denmark	27,9%
N	Inserts	Corrugated cardboard	DK – Denmark	13,4%
O	Plastic bag	LDPE	LT – Lithuania	0,4%
				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

1,000 km of 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:

Silverback Ceiling/Wall, LED 3000K, 9.8W

Production of the product

Total climate emission:

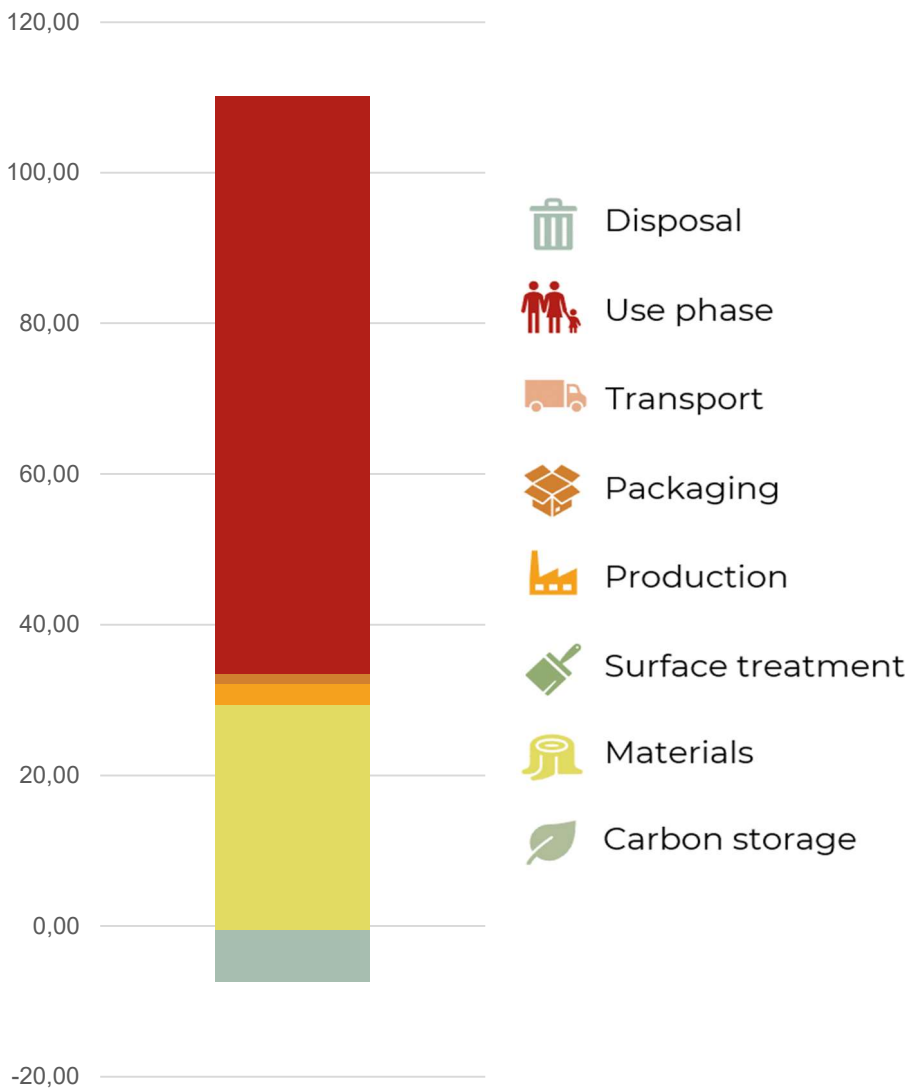
28 KG CO2-e

Production of the product and use stage

Total climate emission:

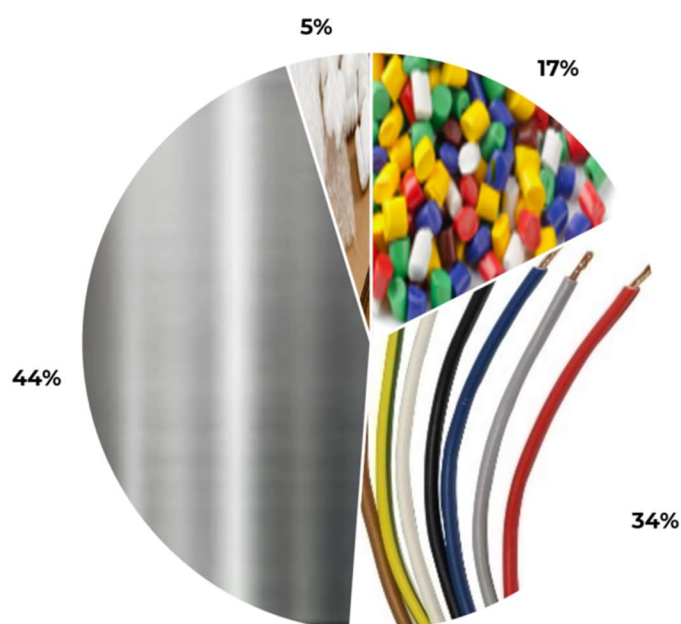
100 KG CO2-e

Carbon stages



Main emission sources (pr material group)*

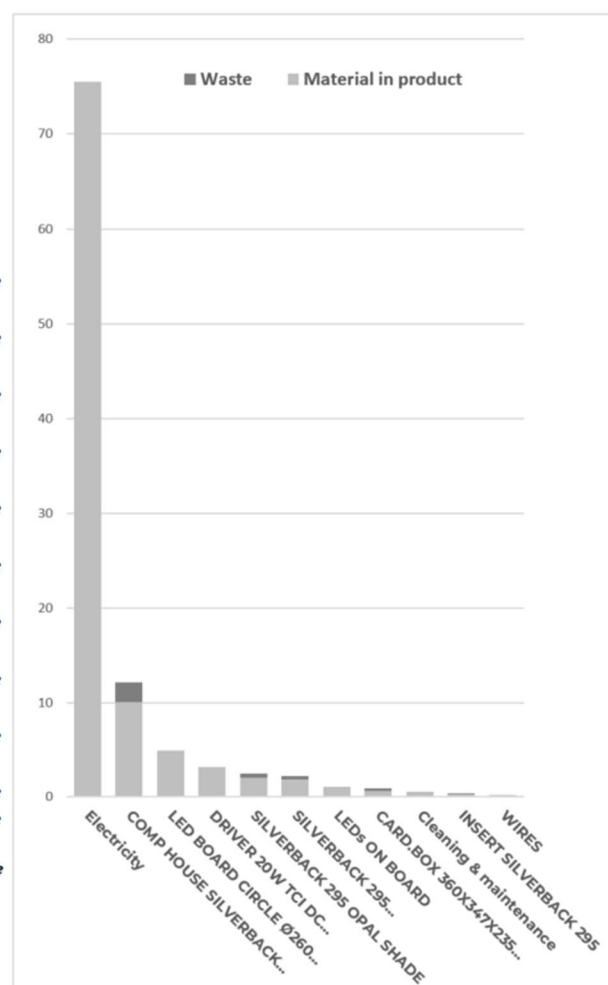
Group	Total impact
Solid Wood	0,00 kg CO ₂ -e
Plastic	4,90 kg CO ₂ -e
Cover	0,00 kg CO ₂ -e
Standard Components	0,00 kg CO ₂ -e
Electronics	9,37 kg CO ₂ -e
Metal	12,32 kg CO ₂ -e
Packaging	1,31 kg CO ₂ -e
Upholstery	0,00 kg CO ₂ -e
Wood Based Board	0,00 kg CO ₂ -e
Surface Finish & Chemicals	0,00 kg CO ₂ -e
Glass / Stone / Ceramics	0,00 kg CO ₂ -e



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
Electricity	0	75,48 kg CO ₂ -e
COMP HOUSE SILVERBACK 295 CEIL/WALL	Alu. cast	12,15 kg CO ₂ -e
LED BOARD CIRCLE Ø260	Electronic board few holes cm2	4,88 kg CO ₂ -e
3K90 V1~	Power supply with cables + connectors kg	3,16 kg CO ₂ -e
DRIVER 20W TCI DC		
MINIJOLLY BI DALI		
SILVERBACK 295 OPAL SHADE	Acrylic (PMMA), molded	2,42 kg CO ₂ -e
SILVERBACK 295 METALLIZED SHADE	PC, molded	2,23 kg CO ₂ -e
LEDs ON BOARD	LED 3,5x3,5x2m pcs	1,11 kg CO ₂ -e
CARD.BOX 360X347X235	Corrugated cardboard box, no print	0,86 kg CO ₂ -e
SATURN WALL 11	Cleaning, maintenance & Product Loss	0,58 kg CO ₂ -e
Cleaning & maintenance	Corrugated cardboard box, no print	0,41 kg CO ₂ -e
INSERT SILVERBACK 295 WIRES	Electric cable kg	0,20 kg CO ₂ -e
Total impact from Waste		3,21 kg CO₂-e



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