

louis poulsen

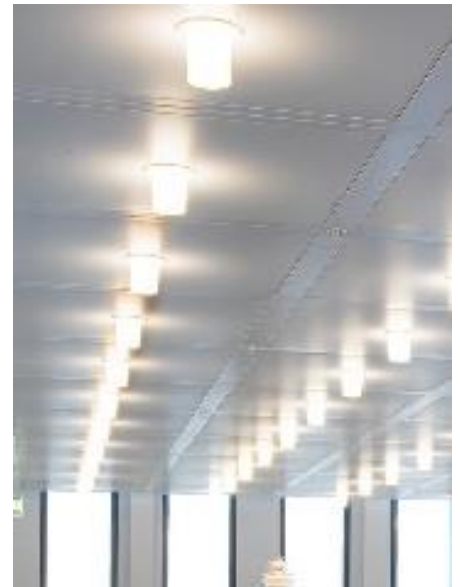


Environmental Product Specifications

— Ballerup

Product description

- Semi-recessed luminaire.
- Family with two dimensions.
- Decorative light distributing part in opal glass.
- Low build-in height.
- Well for low ceiling installations.



Product info

Mounting

Termination: Plug 5x2.5mm². Ceiling thickness: 1-45mm. Ceiling Cut-Out: Ø 142mm. Looping: Not approved.

Finish

White, powder coated. White opal glass.

Light source

LED 3000K 13W, Lumen: 1076.

Sizes and weights

Width x Height x Length (mm)
165 x 140 x 165 Max 1.1 kg

Class

Ingress protection IP20. Electric shock protection I w. ground.

Product family



Ballerup Mini

Product variants

Light source

LED 3000K 13W

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 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	Aluminium parts	Die-casted aluminium parts	CN – China	26,6%
A	Painting	Powder coating	DE – Germany	0,4%
B	Bracket	Machined steel	CN – China	4,0%
C	Glass	Glass	SI – Slovenia	21,4%
D	Gasket	NBR	DK – Denmark	1,6%
E	Iron parts	FE	DK – Denmark	2,6%
E	Painting	Powder coating	DE – Germany	0,4%
F	Plastic parts	PC	DK – Denmark	2,7%
G	LED board	Variety of components	JP – Japan	0,5%
G	Electrical wiring	Variety of components	IT – Italy	3,7%
G	Tin solder	Tin	DK – Denmark	0,1%
H	LED base plug	EPDM	DK – Denmark	0,1%
I	Terminal block bracket	Machined aluminium	DK – Denmark	0,9%
J	Connect box	Variety of components	SE – Sweden	0,6%
K	Screws	Stainless steel	CN – China	1,1%
L	Screws	Stainless steel	TW – Taiwan	1,1%
M	Driver	Variety of components	IT – Italy	6,7%
N	Labels and instructions	Paper	DK – Denmark	0,5%
O	Packaging	Corrugated cardboard	DK – Denmark	19,3%
P	Inserts	Corrugated cardboard	DK – Denmark	5,2%
Q	Plastic bag	LDPE	DK – Denmark	0,1%
R	Plastic bag	LDPE	LT - Lithuania	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:

Ballerup, 3000K, 13W.

Production of the product

Average climate emission:

24 KG CO2-e

Lower boundary: 19 CO2-e
Upper boundary: 55 CO2-e

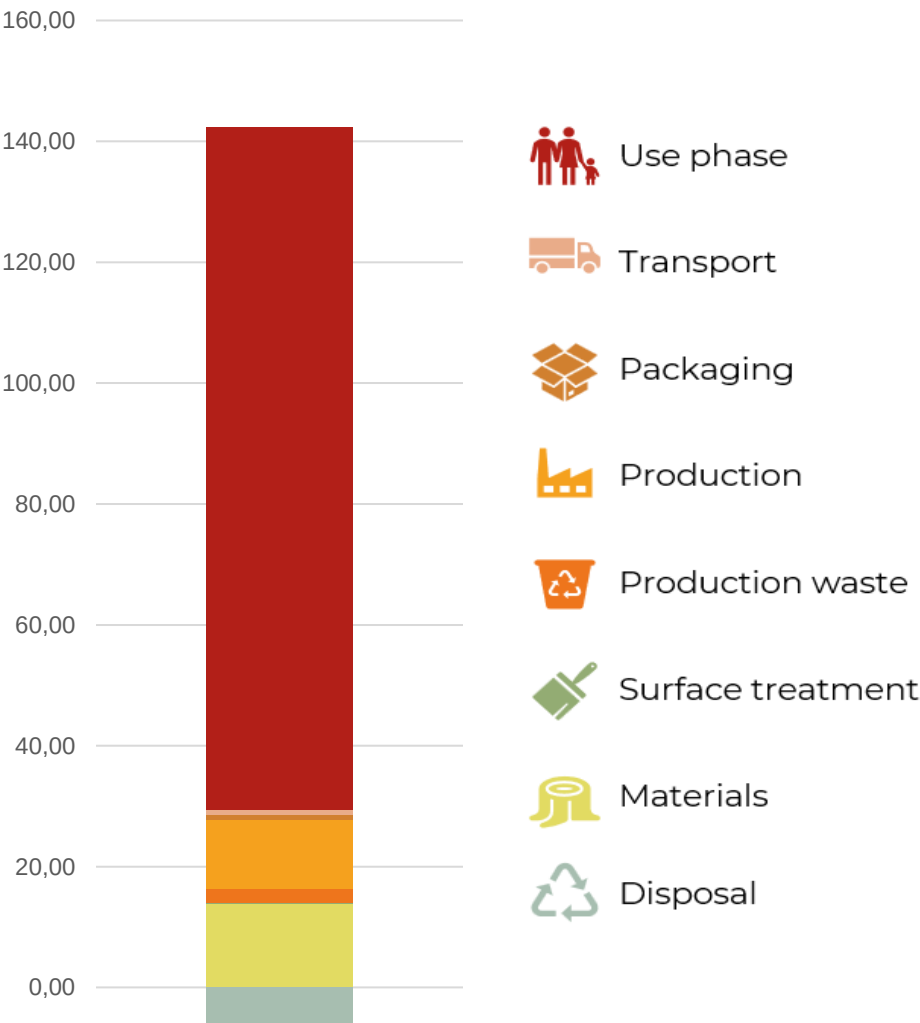
Production of the product and use stage

Average climate emission:

140 KG CO2-e

Lower boundary: 130 CO2-e
Upper boundary: 170 CO2-e

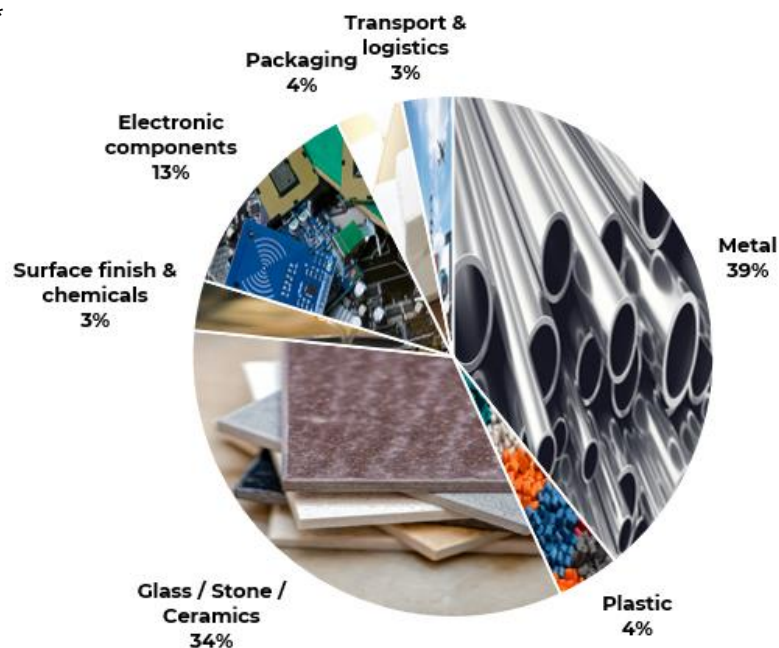
Carbon stages



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)*

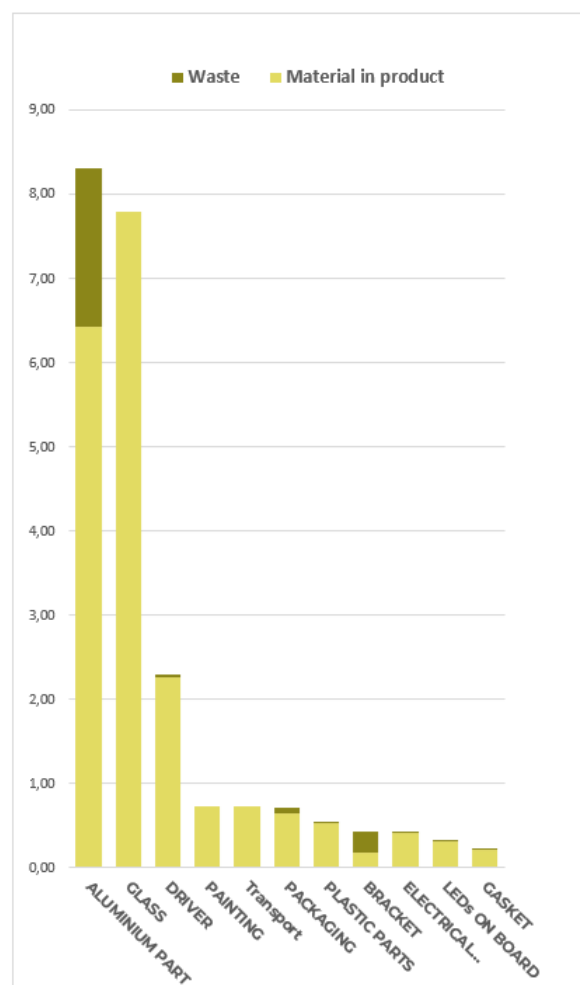
Group	Total impact		
Solid Wood	0,00	kg CO2-e	0,0%
Wood based board	0,00	kg CO2-e	0,0%
Metal	9,19	kg CO2-e	39,3%
Plastic	0,91	kg CO2-e	3,9%
Glass / Stone / Ceramics	7,80	kg CO2-e	33,4%
Surface finish & chemicals	0,73	kg CO2-e	3,1%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,00	kg CO2-e	0,0%
Electronic components	3,03	kg CO2-e	13,0%
Packaging	0,97	kg CO2-e	4,2%
Transport & logistics	0,74	kg CO2-e	3,2%



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 PART	Alu. cast	8,31 kg CO2-e
GLASS	Virgin glass hand made	7,80 kg CO2-e
DRIVER	Power supply with cables + connectors	2,29 kg CO2-e
PAINTING	Or kg powder consumed	0,73 kg CO2-e
Transport	Total emission from transport - all steps	0,72 kg CO2-e
PACKAGING	Corrugated cardboard box printed sustainable fiber	0,71 kg CO2-e
PLASTIC PARTS	Polycarbonate PC	0,55 kg CO2-e
BRACKET	Steel machined	0,43 kg CO2-e
ELECTRICAL WIRING	Electric cable (PVC)	0,42 kg CO2-e
LEDs ON BOARD	LED 3,5x3,5x2,0mm (59mg)	0,32 kg CO2-e
GASKET	Styrene Butadiene Rubber (SBR)	0,22 kg CO2-e
Total impact from Waste		0,14 kg CO2-e



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