

louis poulsen

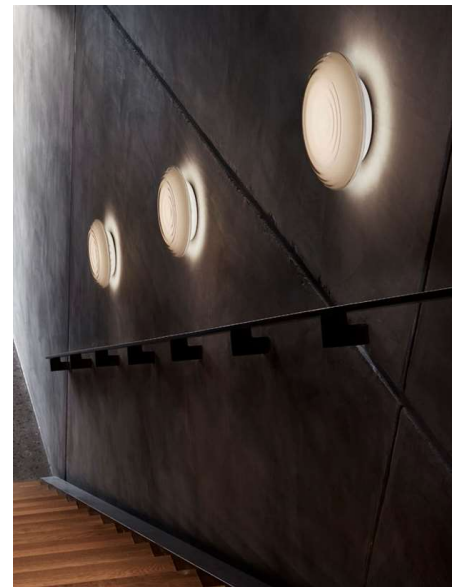


Environmental Product Specifications

— Ripls

Product description

- The fixture emits diffused light.
- The front consist of a concave clear front with ripples like rings in water.
- The ripples refract light in the front creating a subtle change of appearance depending on viewing angle.
- The concave form outlines the refraction creating a higher intensity light towards the center fading off towards the edges.
- A diffuser offset sits deep in the fixture creating a sense of depth in the front.
- A slim housing creates the appearance of a floating disk while perforations in the opaque housing allows indirect light to create a halo around the fixture.



Product info

Mounting

Terminal strip: 1x5x2.5 mm².

Cable access: 2 rear, Ø19mm or side mounting.

Finish

White opal diffuser and clear reflective front.

Satin matt white.

Light source

LED

Sizes and weights

Width x Height x Length (mm)

310 x 80 x 310 Max 4.0 kg

500 x 80 x 500 Max 3.5 kg

Class

Ingress protection IP20. Electric shock protection I.

Product variants

Dimension	Light source	Lumen	Lighting control
Ø 310	LED 3000K 13W	1060	Dali
Ø 500	LED 3000K 25W	2322	Motion sensor

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 and 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:



[illegible]

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:

RIPLS, Ø310, LED 3000K 13W

Production of the product

Average climate emission:

24 KG CO₂-e

Lower boundary: 22 CO₂-e

Upper boundary: 30 CO₂-e

Production of the product and use stage

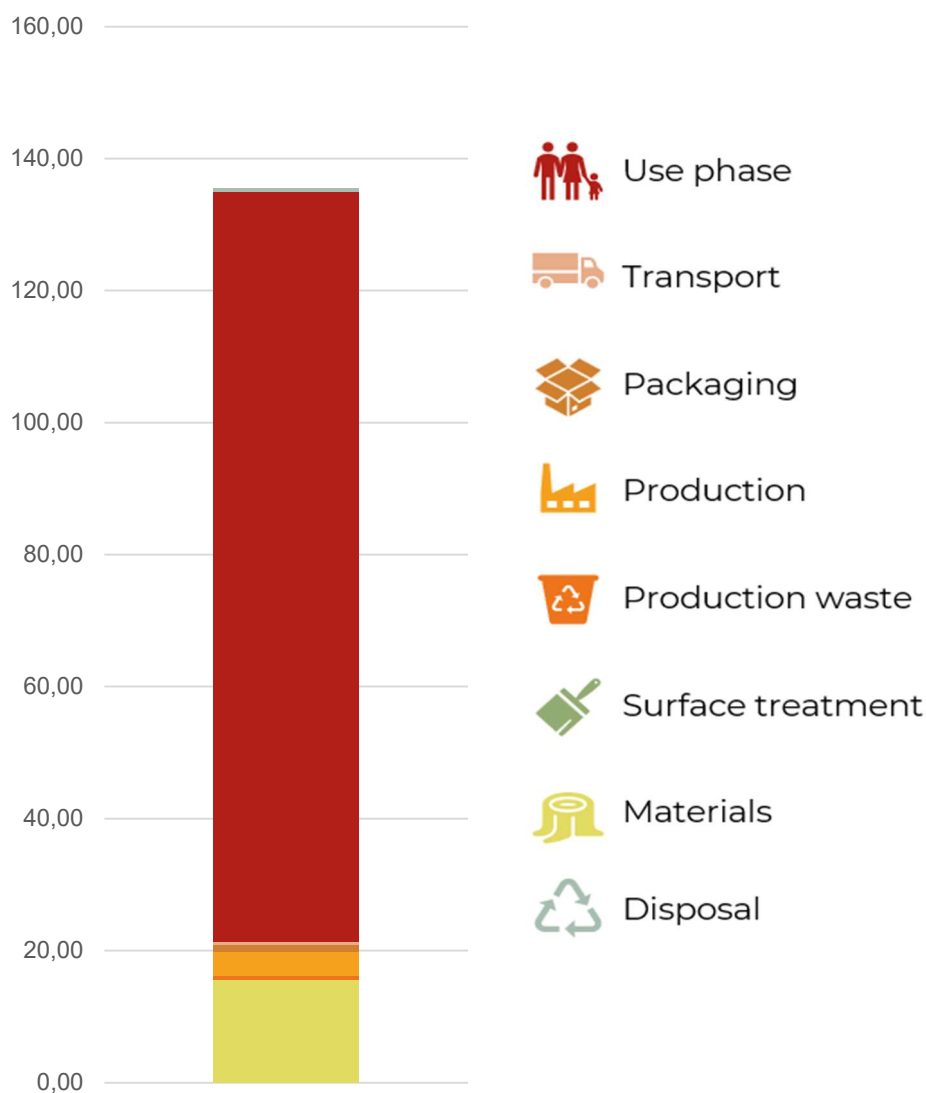
Average climate emission:

140 KG CO₂-e

Lower boundary: 130 CO₂-e

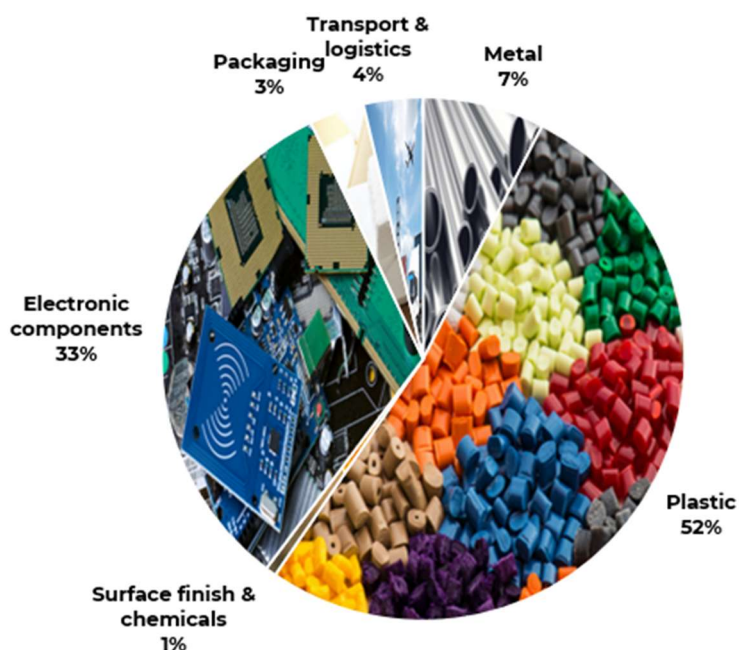
Upper boundary: 140 CO₂-e

Carbon stages



Main emission sources (pr material group)*

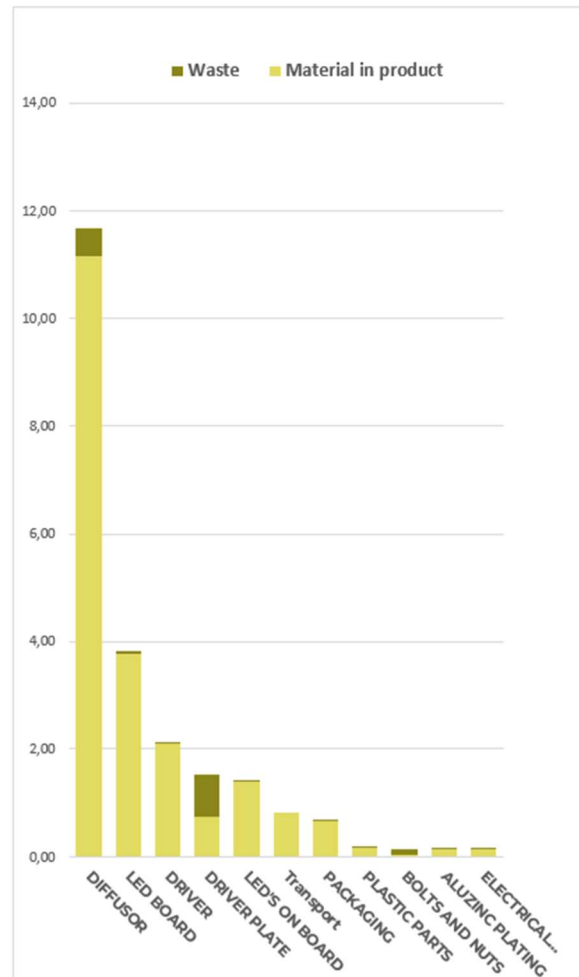
Group	Total impact		
Solid Wood	0,00	kg CO2-e	0,0%
Wood based board	0,00	kg CO2-e	0,0%
Metal	1,72	kg CO2-e	7,5%
Plastic	11,92	kg CO2-e	52,1%
Glass / Stone / Ceramics	0,00	kg CO2-e	0,0%
Surface finish & chemicals	0,15	kg CO2-e	0,7%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,00	kg CO2-e	0,0%
Electronic components	7,49	kg CO2-e	32,7%
Packaging	0,78	kg CO2-e	3,4%
Transport & logistics	0,84	kg CO2-e	3,7%



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
DIFFUSOR	Polycarbonate PC	11,69 kg CO2-e
LED BOARD	1 layer aluminium (1,6mm thickness) PCB surface mount	3,82 kg CO2-e
DRIVER	Power supply with cables + connectors	2,11 kg CO2-e
DRIVER PLATE	Steel bracket/bent steel sheet	1,53 kg CO2-e
LED'S ON BOARD	LED 3,5x3,5x2,0mm (59mg)	1,40 kg CO2-e
Transport	Total emission from transport - all steps	0,82 kg CO2-e
PACKAGING	Corrugated cardboard box printed sustainable fiber	0,68 kg CO2-e
PLASTIC PARTS	Polyamide (PA6)	0,18 kg CO2-e
BOLTS AND NUTS	Stainless steel screws/bolts	0,15 kg CO2-e
ALUZINC PLATING	Zink plating on metal inside use	0,15 kg CO2-e
ELECTRICAL WIRING	Electric cable (PVC)	0,15 kg CO2-e



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