

**louis
poulsen**



Environmental Product Specifications

— Toldbod 155/220 Glass Pendant

Product description

- The fixture emits glare-free light directed primarily.
- The opal glass provides a comfortable and uniform illumination of the area around the fixture.
- In two dimensions.



Product info

Mounting

Suspension:
Cable 2x0,75 mm².

Finish

White opal glass.

Light source

1x25W QT-ax 14 G9

Sizes and weights

Width x Height x Length (mm)

155 x 260 x 155 Max 0.8 kg

220 x 275 x 220 Max 1.5 kg

Class

Ingress protection IP20.

Electric shock protection II w/o ground.

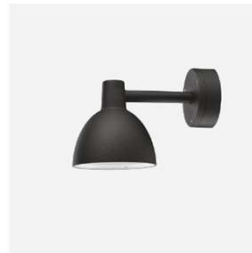
Product family



Toldbod Pendant



Toldbod 220/290 Wall



Toldbod 155 Wall



Toldbod 155 Bollard



Toldbod 290 Post



Toldbod 290 LED Upgrade Kit

Product variants

Dimension

Ø 155

Ø 220

Light source

1x25W QT-ax 14 G9

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. 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.

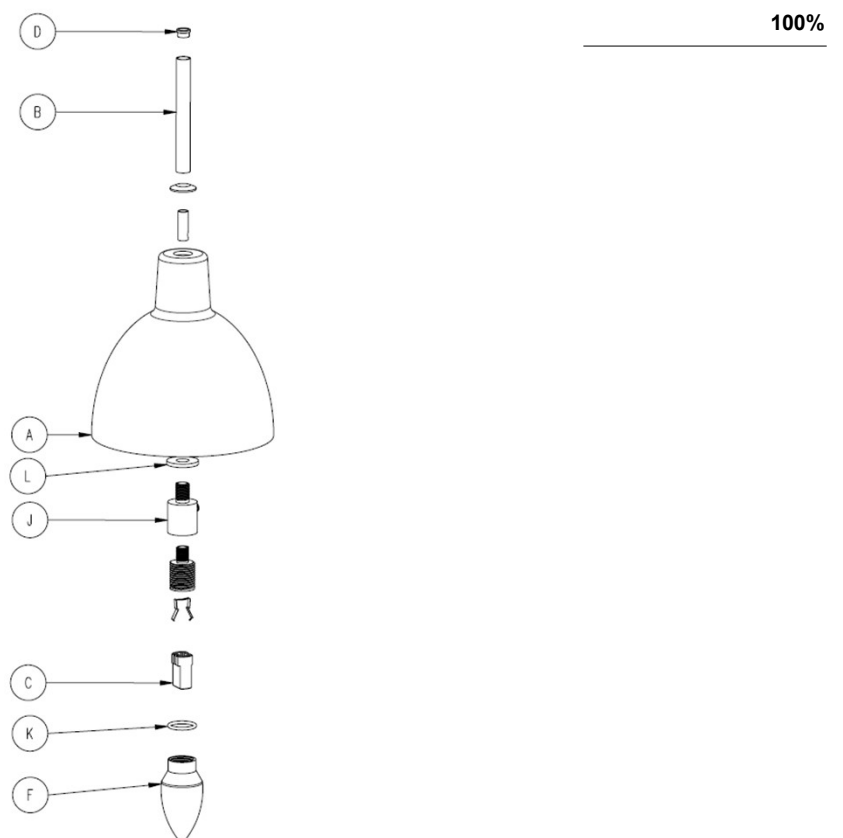
Louis Poulsen is part of ELRETUR which ensures that electronic waste (WEEE) across of Europa is reused.

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	Shade	Mouth blown glass	SI – Slovenia	29,2%
B	Stem, bolts and nuts	Stainless steel	CN – China	3,0%
C	Socket	Plastic - PTFE	IT – Italy	0,7%
D	Grommet	Plastic - PC	DK – Denmark	0,1%
E	Cord	Silicone and copper	IT – Italy	25,6%
F	Glass diffuser	Borosilicate glass	CN – China	1,3%
H	Screw	Plastic - PA	CN – China	0,1%
I1	Canopy	Plastic - PC	DK – Denmark	3,0%
I2	Terminal	Plastic - PA	SE – Sweden	0,5%
I3	Suspension	Plastic - PBT-GF30	DK – Denmark	0,5%
I4	Strain relief	Plastic - PP	NO – Norway	0,1%
J	Wire relief and adaptor	Aluminium	TW – Taiwan	2,3%
K	O-ring	Rubber - NBR	DE – Germany	2,7%
L	Washer	Rubber – Silicone	DK – Denmark	0,1%
M	Instruction and labels	Paper	DK – Denmark	0,4%
N	Plastic bag	Plastic - LDPE	LT – Lithuania	0,6%
O	Packaging	Corrugated cardboard	DK – Denmark	29,8%



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:

Toldbod Pendant, Ø155, G9, 3,5 Watt.

Production of the product

Total climate emission:

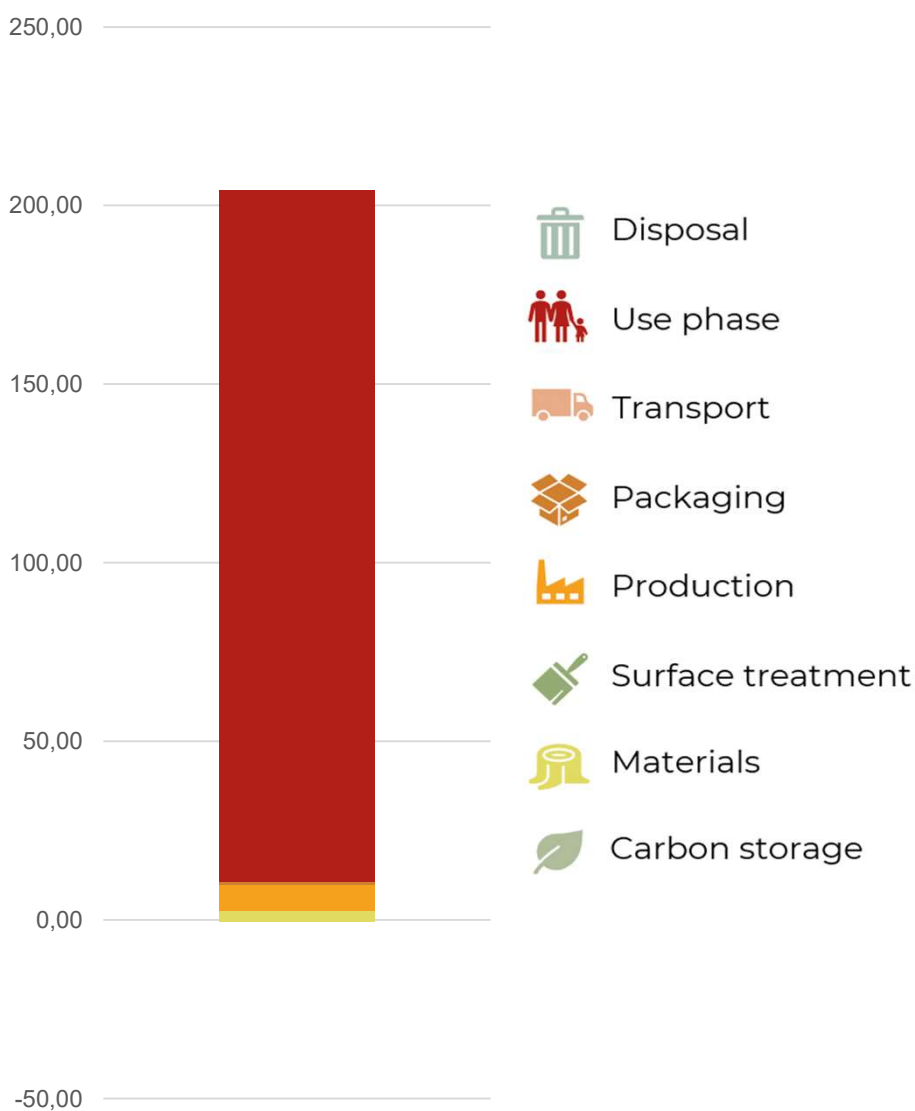
11 KG CO2-e

Production of the product and use stage

Total climate emission:

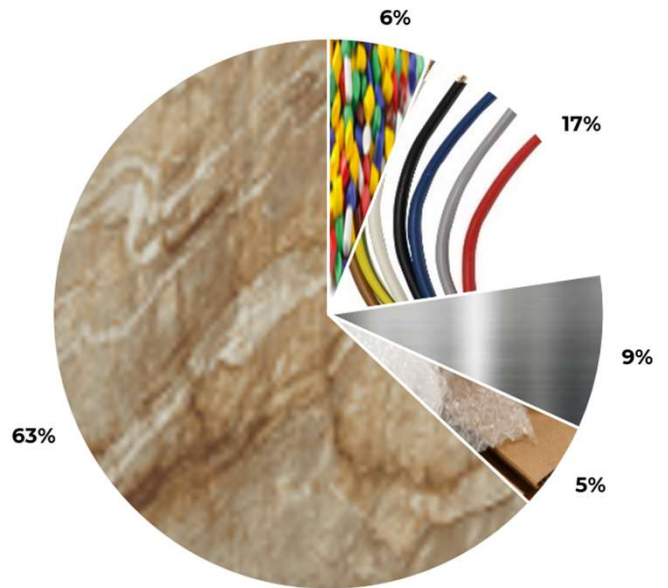
200 KG CO2-e

Carbon stages



Main emission sources (pr material group)*

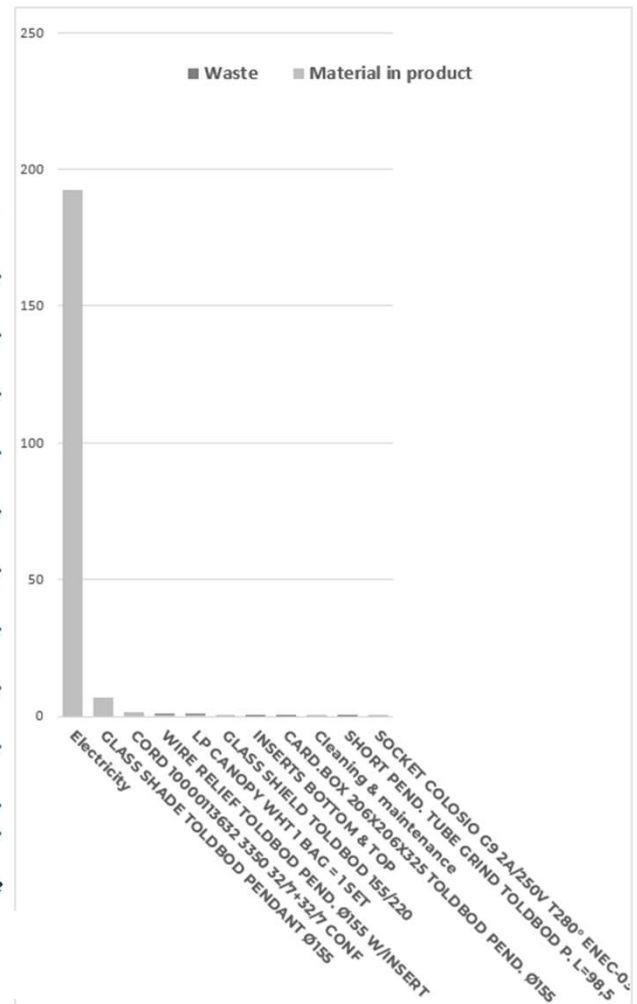
Group	Total impact
Solid Wood	0,00 kg CO2-e
Plastic	0,67 kg CO2-e
Cover	0,00 kg CO2-e
Standard Components	0,00 kg CO2-e
Electronics	1,86 kg CO2-e
Metal	1,02 kg CO2-e
Packaging	0,58 kg CO2-e
Upholstery	0,00 kg CO2-e
Wood Based Board	0,00 kg CO2-e
Surface Finish & Chemicals	0,00 kg CO2-e
Glass / Stone / Ceramics	7,03 kg CO2-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	192,54 kg CO2-e
GLASS SHADE TOLDBOD PENDANT Ø155	Virgin glass hand made kg	6,69 kg CO2-e
CORD 10000113632 3350 32/7+32/7 CONF	Electric cable kg	1,74 kg CO2-e
WIRE RELIEF TOLDBOD PEND. Ø155 W/INSERT	Alu. Machined	0,75 kg CO2-e
LP CANOPY WHT 1 BAG = 1 SET	PC, molded	0,55 kg CO2-e
GLASS SHIELD TOLDBOD 155/220	Virgin glass hand made kg	0,34 kg CO2-e
INSERTS BOTTOM & TOP	Corrugated cardboard box, no print	0,29 kg CO2-e
CARD.BOX 206X206X325 TOLDBOD PEND. Ø155	Corrugated cardboard box, no print	0,26 kg CO2-e
Cleaning & maintenance	Cleaning, maintenance & Product Loss	0,23 kg CO2-e
SHORT PEND. TUBE GRIND TOLDBOD P. L=98,5	Stainless steel tubes/profiles	0,16 kg CO2-e
SOCKET COLOSIO G9	G9 light bulb socket plastic	0,12 kg CO2-e
Total impact from Waste		0,64 kg CO2-e



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