louis poulsen

Environmental Product Specifications

— Toldbod Pendant

Product description

- The pendant emits soft downwards directed light.
- The matt, white-painted inside of the elliptical shade helps to assure even distribution of the light.
- In five dimensions.

Product info

Mounting

Suspension:
Cable Ø120, Ø170 and Ø250.
Cable and wire for Ø400 and Ø550.

Finish

White, black, blue-grey, dark rose or light grey powder coated.

Light source

G9 for Ø120.
E27 for Ø170, Ø250, Ø400 and Ø550.

Sizes and weights

Width x Height x Length (mm)
120 x 121 x 120 Max 0.7 kg

170 x 173 x 170 Max 1.0 kg

250 x 254 x 250 Max 1.4 kg

400 x 406 x 400 Max 3.4 kg

550 x 558 x 550 Max 5.6 kg

Class

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

Product family


Toldbod 290 Post


Toldbod 290 LED Upgrade Kit


Toldbod 155/220 Glass Pendant


Toldbod 220/290 Wall


Toldbod 155 Wall


Toldbod 155 Bollard

Product variants

Dimension	Colour	Cable type	Light source
Ø 120	Black	Blk tex	1x100W E27
Ø 170	Blue-grey	Wht tex	1x60W E27
Ø 250	Dark rose		40W E14
Ø 400	Light grey		G9
Ø 550	White		

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 EPS foam 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.

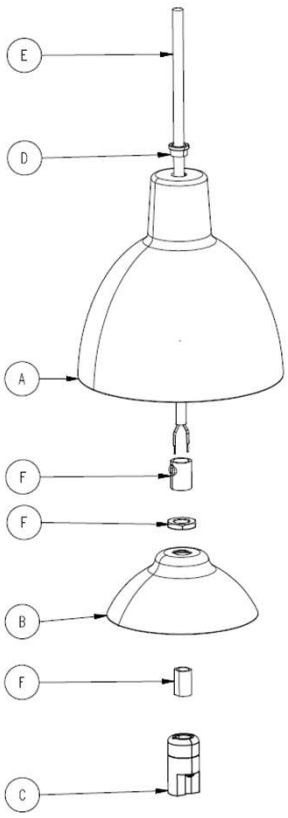
This product is designed so that 100% of the product can be disassembled and reused.

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	Aluminium	CN – China	15,2%
A1	Painting	Powder coating	CN – China	2,0%
B	Reflector shade	Aluminium	CN – China	2,0%
C	Socket	Porcelain	CN – China	1,2%
D	Grommet	Plastic - PC	CN – China	0,4%
E	Cord	Silicone and copper	CN – China	22,2%
F	Stem, bolts and nuts	Stainless steel	CN – China	1,0%
I1	Canopy	Plastic - PC	DK – Denmark	4,6%
I2	Terminal	Plastic - PA	SE – Sweden	0,7%
I3	Suspension	Plastic - PBT-GF30	DK – Denmark	0,7%
I4	Strain relief	Plastic - PP	NO – Norway	0,1%
J	Instruction and labels	Paper	CN – China	0,7%
K	Plastic bag	Plastic - LDPE	CN – China	0,6%
L	Inserts	EPS (polystyrene foam)	CN – China	11,1%
M	Packaging	Corrugated cardboard	CN – China	5,5%
N	Packaging	Corrugated cardboard	CN – China	31,9%
				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.

European Commission

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, Ø120, G9, 3,5 Watt.

Production of the product

Total climate emission:

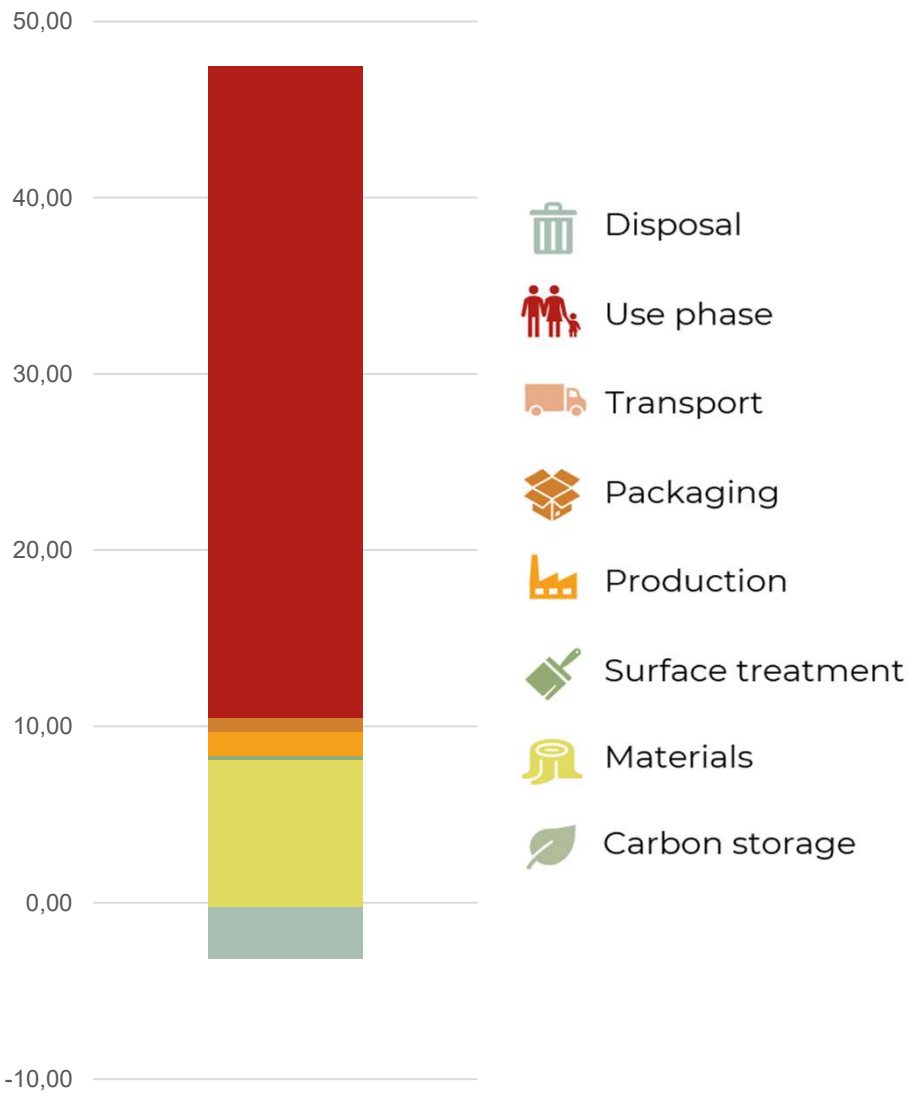
8 KG CO2-e

Production of the product and use stage

Total climate emission:

44 KG CO2-e

Carbon stages



Main emission sources *(pr material group)**

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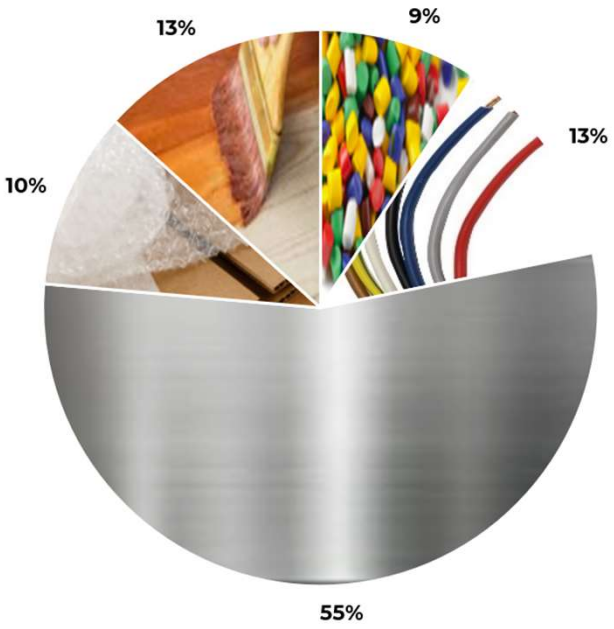
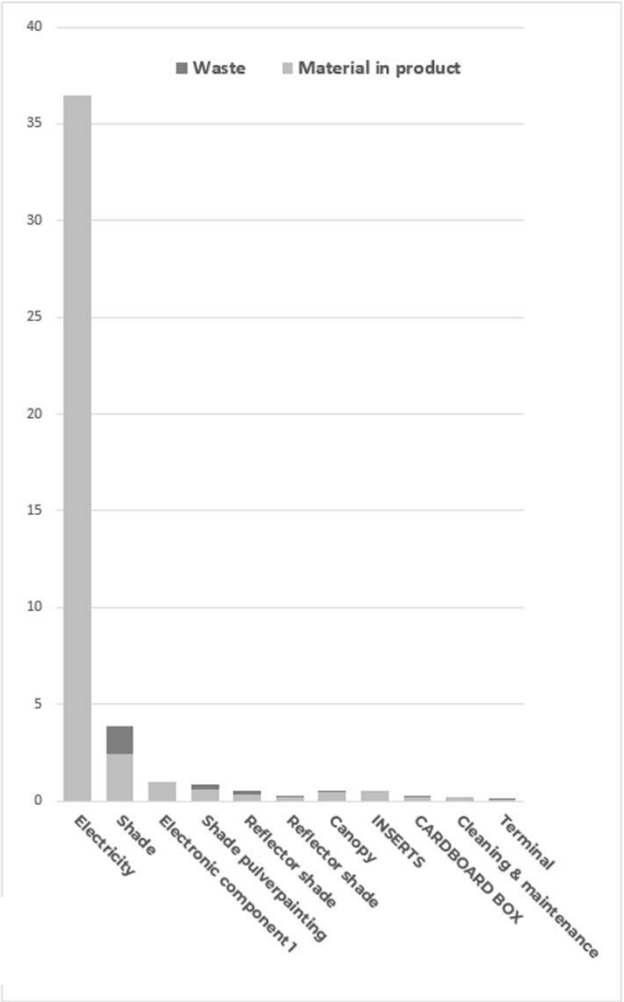
Group	Total impact
Solid Wood	**0,00** *kg CO2-e*
Plastic	**0,75** *kg CO2-e*
Cover	**0,00** *kg CO2-e*
Standard Components	**0,00** *kg CO2-e*
Electronics	**1,01** *kg CO2-e*
Metal	**4,39** *kg CO2-e*
Packaging	**0,83** *kg CO2-e*
Upholstery	**0,00** *kg CO2-e*
Wood Based Board	**0,00** *kg CO2-e*
Surface Finish & Chemicals	**1,07** *kg CO2-e*
Glass / Stone / Ceramics	**0,00** *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	**36,49** *kg CO2-e*
Shade	Alu. sheet, punched	**3,83** *kg CO2-e*
Electronic component 1	Electric cable kg	**1,01** *kg CO2-e*
Shade pulverpainting	Or kg powder consumed	**0,82** *kg CO2-e*
Reflector shade	Alu. sheet, punched	**0,51** *kg CO2-e*
Reflector shade	Or kg powder consumed	**0,25** *kg CO2-e*
Canopy	PC, molded	**0,55** *kg CO2-e*
INSERTS	EPS (polystyrene foam)	**0,49** *kg CO2-e*
CARDBOARD BOX	Corrugated cardboard box, no print	**0,26** *kg CO2-e*
Cleaning & maintenance	Cleaning, maintenance & Product Loss	**0,17** *kg CO2-e*
Terminal	Polyamide (PA6), molded	**0,09** *kg CO2-e*
	Total impact from Waste	**2,15** *kg CO2-e*



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