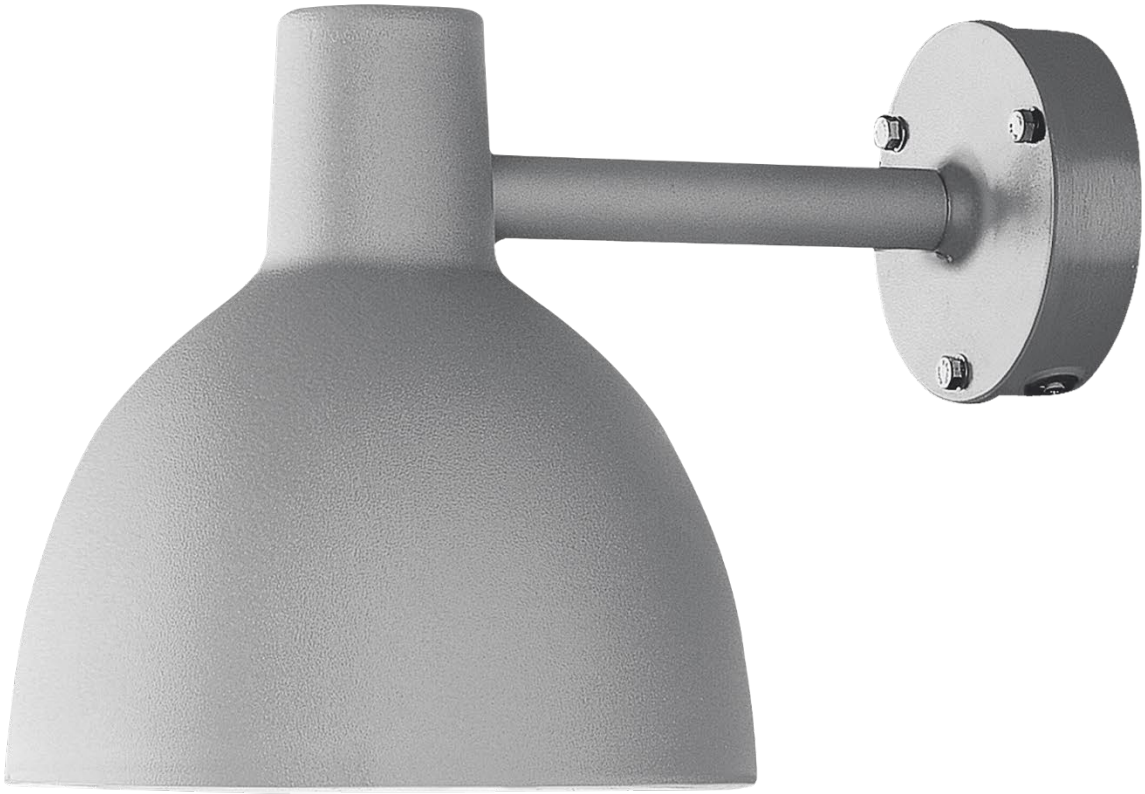
louis poulsen

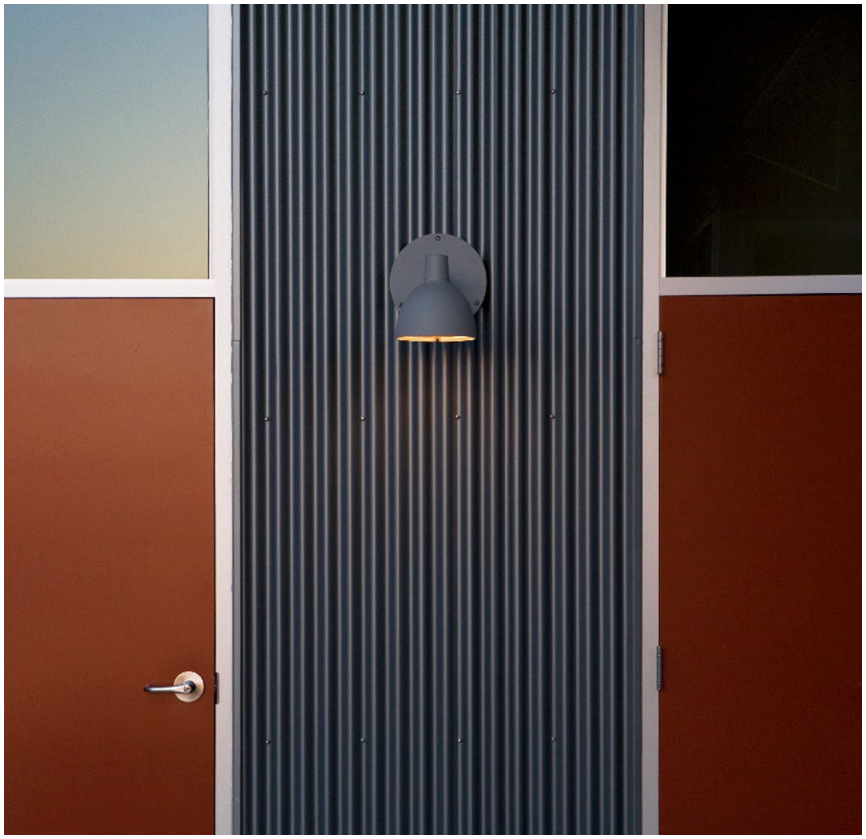


Environmental Product Specifications

— Toldbod 220/290 Outdoor Wall Lamp

Product description

- Based on a PH elliptical reflector makes the design as a harmonic bell.
- A straight wall arm mounted in a round wall box holds the fixture head.



Product info

Mounting

Depends on the variant

Finish

Aluminium coloured with textured surface or black with textured surface, powder coated.

Light source

1x100W E27.

Sizes and weights

Width x Height x Length (mm)
220 x 255 x 345 Max 2.8 kg
290 x 300 x 445 Max 6.7 kg

Class

Ingress protection, Ø 220: IP43, IK09. Ø 290: IP44, LED: IP44, IK08. Electric shock protection I w. ground.

Product family

Toldbod Pendant

Toldbod 155/220 Glass Pendant

Toldbod 155 Wall

Toldbod 155 Bollard

Toldbod 290 Post

Toldbod 290 LED Upgrade Kit

Product variants

Dimension	Colour	Light source	Lumen	Lighting control
Ø 220	Aluminium colour texture	1x100W E27	-	-
Ø 290	Black texture	1x26W TC-TEL GX24q-3 HF	1928	Dac: dali + clo
		LED 3000K 20W	1988	
		LED 4000K 20W		

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

The aluminium material is sourced from min. 90% authentic, refined, recycled aluminium.

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:

Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Aluminium parts	Die-casted aluminium	DK - Denmark	**40,4%**
A	Aluminium parts	Die-casted aluminium	CN - China	**12,0%**
A	Outer pipe	Machined aluminium	TW - Taiwan	**3,0%**
A	Steel parts	Machined steel	CN - China	**5,1%**
A	Painting	Powder coating	DE - Germany	**5,8%**
A	Primer	Primer	CH - Switzerland	**5,4%**
A	Painting	Wet painting	CH - Switzerland	**0,0%**
B	Screws	Stainless steel	CN - China	**1,9%**
C	Polycarbonate shade	PC	DK - Denmark	**5,3%**
D	Socket bracket	Machined aluminium	DK - Denmark	**0,4%**
E	Socket	Variety of components	DE - Germany	**2,0%**
F	Aluminium parts	Machined aluminium	CN - China	**0,2%**
G	Stainless steel parts	Machined stainless steel	CN - China	**1,0%**
H	Membrane nipple	PE	DK - Denmark	**0,3%**
I	Electrical wiring	Variety of components	IT - Italy	**2,8%**
J	Terminal helag	Variety of components	SE - Sweden	**0,3%**
K	Gasket	NPR	DK - Denmark	**0,9%**
L	Labels and instructions	Paper	DK - Denmark	**0,2%**
M	Plastic bag	LDPE	LT - Lithuania	**0,5%**
N	Packaging	Corrugated cardboard	DK - Denmark	**7,7%**
O	Inserts	Corrugated cardboard	DK - Denmark	**4,8%**
				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

1.200 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:

TOLDBOD 220/290 WALL, Ø220, ALUMINIUM COLOURED TEXTURE, 1X7W E27.

Production of the product

Average climate emission:

25 KG CO2-e

Lower boundary: 17 CO2-e
Upper boundary: 120 CO2-e

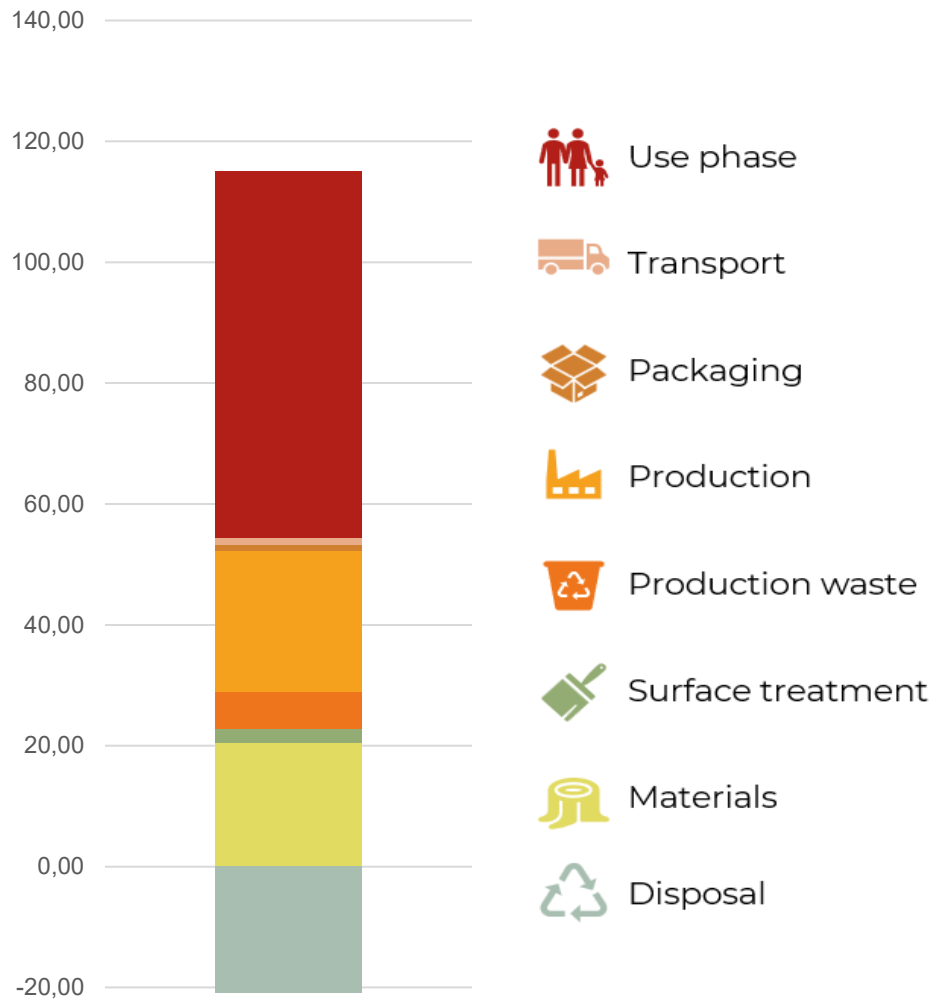
Production of the product and use stage

Average climate emission:

85 KG CO2-e

Lower boundary: 75 CO2-e
Upper boundary: 180 CO2-e

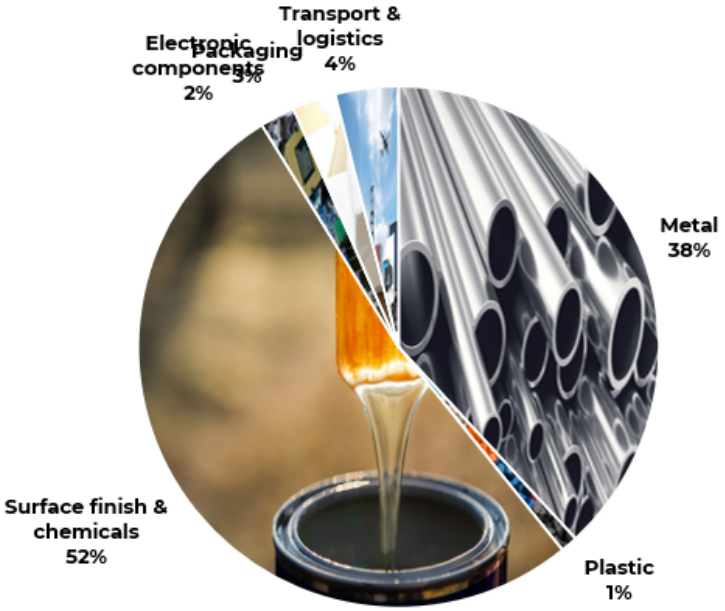
Carbon stages



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)**

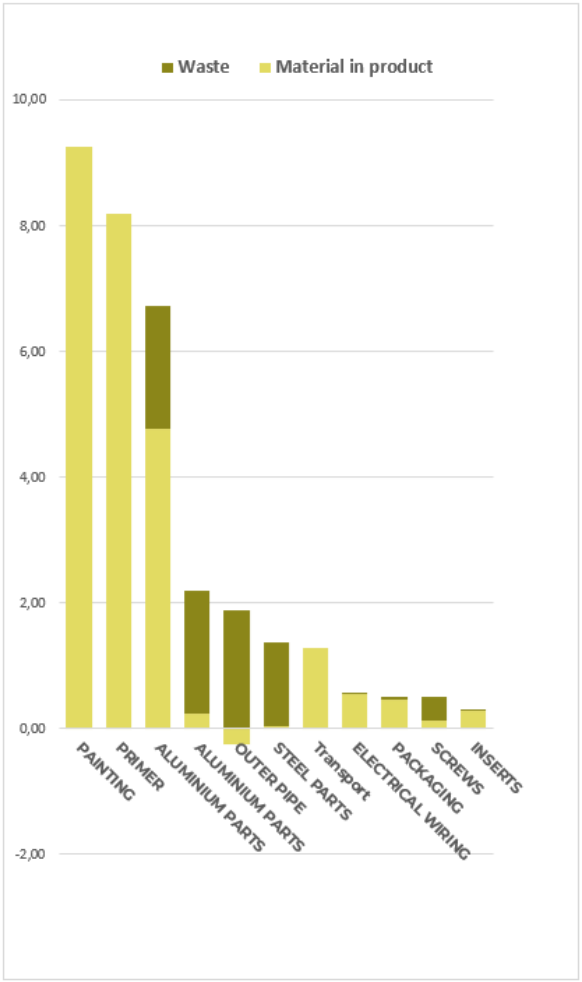
Group	Total impact		
Solid Wood	**0,00**	*kg CO2-e*	**0,0%**
Wood based board	**0,00**	*kg CO2-e*	**0,0%**
Metal	**12,78**	*kg CO2-e*	**38,1%**
Plastic	**0,36**	*kg CO2-e*	**1,1%**
Glass / Stone / Ceramics	**0,00**	*kg CO2-e*	**0,0%**
Surface finish & chemicals	**17,45**	*kg CO2-e*	**52,0%**
Upholstery	**0,00**	*kg CO2-e*	**0,0%**
Cover	**0,00**	*kg CO2-e*	**0,0%**
Electronic components	**0,73**	*kg CO2-e*	**2,2%**
Packaging	**0,91**	*kg CO2-e*	**2,7%**
Transport & logistics	**1,31**	*kg CO2-e*	**3,9%**



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	
PAINTING	Or kg powder consumed	**9,25**	*kg CO2-e*
PRIMER	Or kg powder consumed	**8,19**	*kg CO2-e*
ALUMINIUM PARTS	Alu. cast	**6,73**	*kg CO2-e*
ALUMINIUM PARTS	Alu. cast	**2,19**	*kg CO2-e*
OUTER PIPE	Alu. machined	**1,64**	*kg CO2-e*
STEEL PARTS	Stainless steel machined	**1,37**	*kg CO2-e*
Transport	Total emission from transport - all steps	**1,28**	*kg CO2-e*
ELECTRICAL WIRING	Electric cable (PVC)	**0,56**	*kg CO2-e*
PACKAGING	Corrugated cardboard box printed sustainable fiber	**0,51**	*kg CO2-e*
SCREWS	Stainless steel screws/bolts	**0,50**	*kg CO2-e*
INSERTS	Corrugated cardboard inlay	**0,31**	*kg CO2-e*



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