louis poulsen

Environmental Product Specifications

— Albertslund Wall

Product description

- The fixture provides characteristic symmetrical and functional lighting.
- The horizontal ring reflects the light downwards, but its position also allows some light to slip past and illuminate the fixture itself.
- The anti-glare ring prevents from horizontal glare, and the diffuser is available either as clear or partly frosted glass, depending on the desired light source.
- The design is based on an anti-glare ring and a circular disc carried by four struts.

Product info

Mounting

Terminal block: 1x3x2.5mm². Cable entries: 2x rear entries for cable Ø 10-14.5mm and 2x bottom knockouts Ø 15mm.
Looping: Approved, max. 3x1,5mm².
Ballast positioning: In wall box.

Finish

Galvanized, grey or white, powder coated.

Light source

1x100W E27

Sizes and weights

Width x Height x Length (mm)
415 x 220 x 270 Max 3.2 kg
515 x 220 x 270 Max 3.3 kg

Class

Ingress protection IP44. Electric shock protection I w. ground. IK06.

Product family

Albertslund Maxi Post

Albertslund Mini Post

Albertslund Maxi LED Upgrade Kit

Albertslund Mini LED Upgrade Kit

Product variants

Colour	Arm type	Light source	Shield
Galvanized	LONG	1x100W E27	CLEAR
Grey	SHORT	1x18W TC-TEL GX24q-2 HF	PART FROSTED
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 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	Shade unit	Machined stainless steel	DK - Denmark	34,0%
B	Coverring	Aluzinc	DK - Denmark	2,4%
C	Aluminium parts	Die-casted aluminium	TW – Taiwan	17,1%
D	Screws	Stainless steel	CN – China	2,2%
E	Short arm	Machined aluminium	CN – China	2,2%
F	Socket holder	Iron	DK – Denmark	1,1%
F	Painting	Paper	DE – Germany	0,1%
G	Stainless steel parts	Machined stainless steel	CN – China	0,4%
H	Gasket	CR	DK – Denmark	1,0%
I	Gasket	Silicone	DK – Denmark	0,4%
J	Glass holder	PBT	DK – Denmark	1,9%
K	Plastic parts	PA	DE – Germany	0,7%
L	Plastic parts	EPDM	DK – Denmark	0,4%
M	Socket	Porcelain	DE – Germany	1,4%
N	Glass cover	Sodalime clear glass	SI – Slovenia	10,6%
O	Cord	Variety of components	IT – Italy	1,3%
P	Labels and instructions	Paper	DK – Denmark	0,1%
Q	Packaging	Corrugated cardboard	DK – Denmark	21,8%
R	Bottleholder	PA	DK – Denmark	0,2%
S	Plastic bag	LDPE	LT – Lithuania	0,7%
				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.

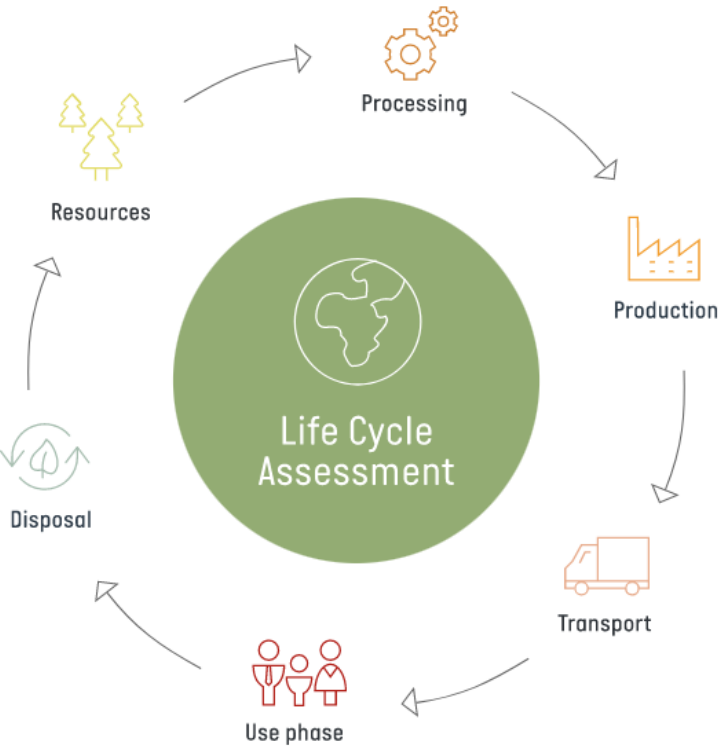
The electricity is based on the European energy mix, with data from: the European Environment Agency Greenhouse gas emission intensity of electricity generation.

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:

Albertslund Wall, Galvanized, 1x100W E27.

Production of the product

Average climate emission:

38 KG CO2-e

Lower boundary: 24 CO2-e
Upper boundary: 95 CO2-e

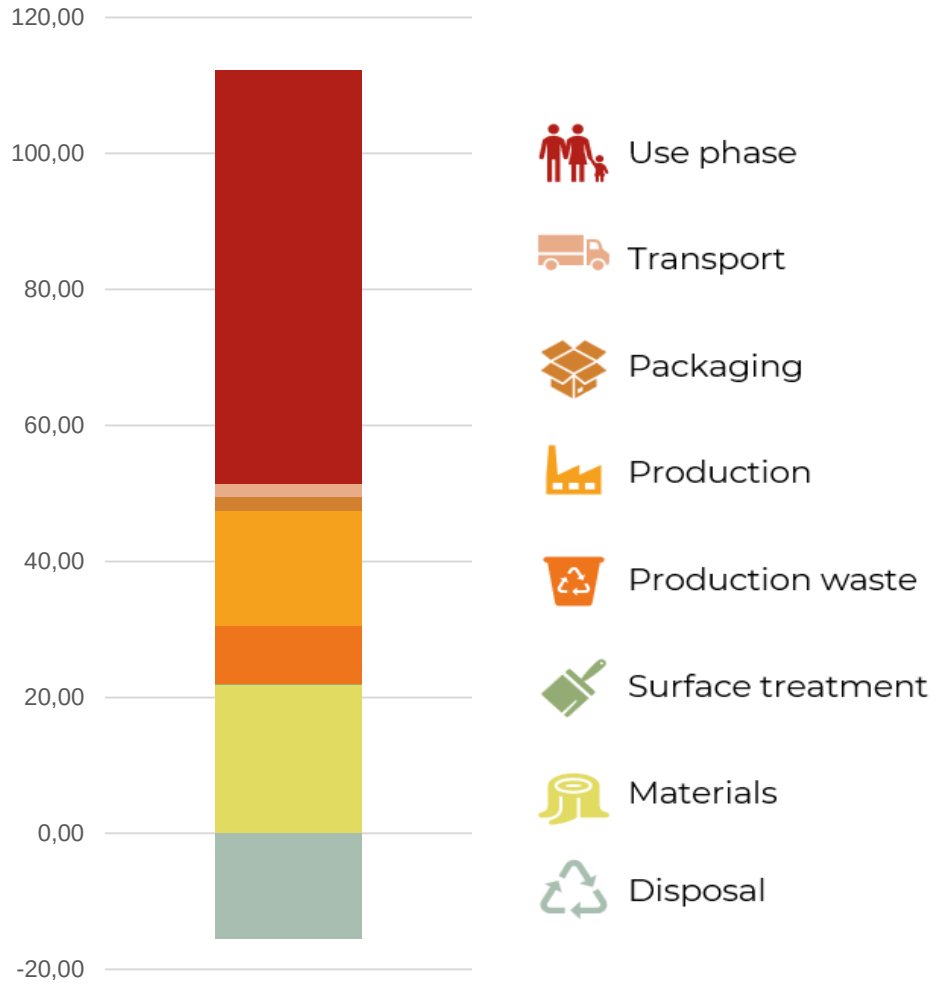
Production of the product and use stage

Average climate emission:

95 KG CO2-e

Lower boundary: 85 CO2-e
Upper boundary: 150 CO2-e

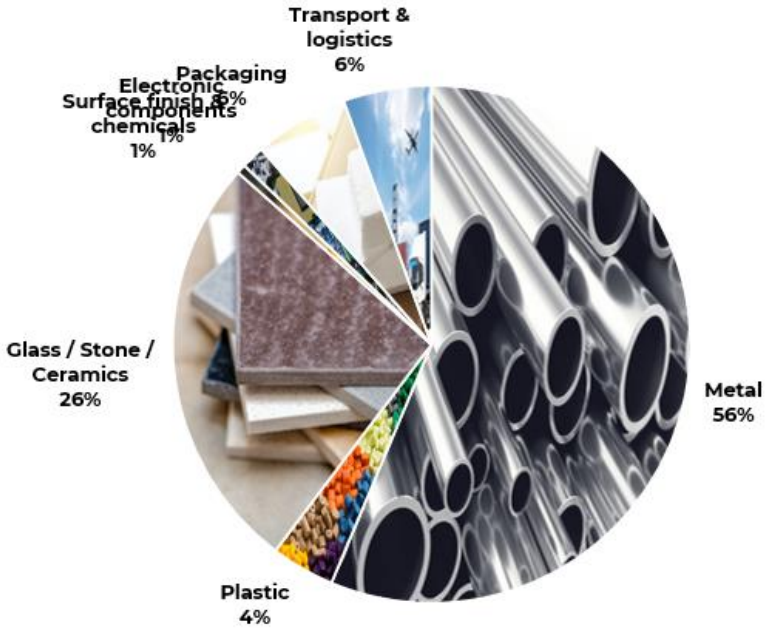
Carbon stages



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)**

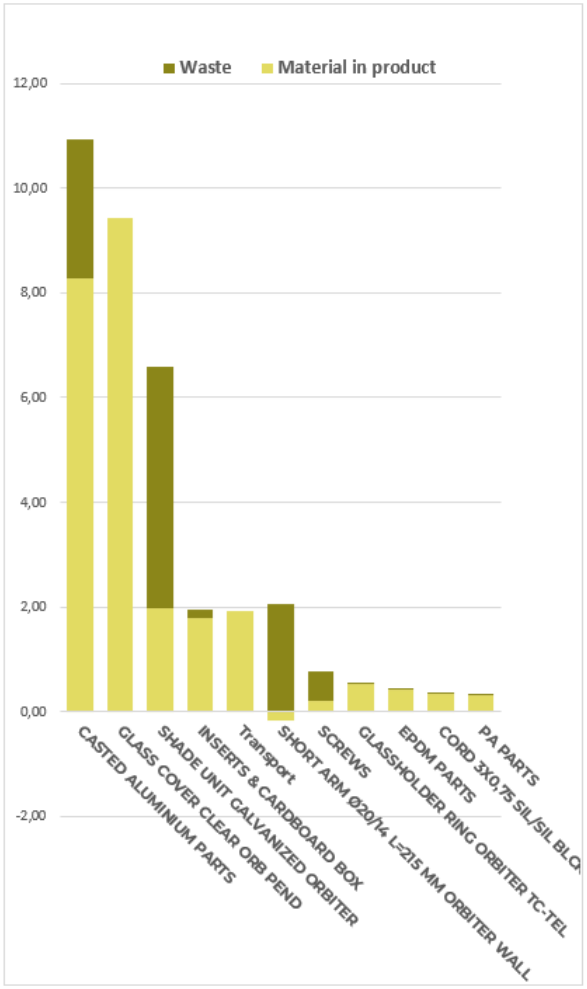
Group	Total impact		
Solid Wood	**0,00**	*kg CO2-e*	**0,0%**
Wood based board	**0,00**	*kg CO2-e*	**0,0%**
Metal	**20,23**	*kg CO2-e*	**56,3%**
Plastic	**1,43**	*kg CO2-e*	**4,0%**
Glass / Stone / Ceramics	**9,42**	*kg CO2-e*	**26,2%**
Surface finish & chemicals	**0,21**	*kg CO2-e*	**0,6%**
Upholstery	**0,00**	*kg CO2-e*	**0,0%**
Cover	**0,00**	*kg CO2-e*	**0,0%**
Electronic components	**0,52**	*kg CO2-e*	**1,4%**
Packaging	**2,12**	*kg CO2-e*	**5,9%**
Transport & logistics	**1,98**	*kg CO2-e*	**5,5%**



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	
CASTED ALUMINIUM PARTS	Alu. cast	**10,93**	*kg CO2-e*
GLASS COVER CLEAR ORB PEND	Virgin glass hand made	**9,42**	*kg CO2-e*
SHADE UNIT GALVANIZED ORBITER	Steel machined	**6,57**	*kg CO2-e*
INSERTS & CARDBOARD BOX	Corrugated cardboard box printed sustainable fiber	**1,96**	*kg CO2-e*
Transport	Total emission from transport - all steps	**1,91**	*kg CO2-e*
SHORT ARM Ø20/14 L=215 MM ORBITER WALL	Alu. Machined	**1,87**	*kg CO2-e*
SCREWS	Stainless steel screws/bolts	**0,77**	*kg CO2-e*
GLASSHOLDER RING ORBITER TC-TEL	Polyester (PETa)	**0,54**	*kg CO2-e*
EPDM PARTS	EPDM rubber BMC	**0,43**	*kg CO2-e*
CORD 3X0,75 SIL/SIL BLCK	Electric cable (PVC)	**0,36**	*kg CO2-e*
PA PARTS	Polyamide (PA6)	**0,33**	*kg CO2-e*
	Total impact from Waste	**0,24**	*kg CO2-e*



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