

louis poulsen

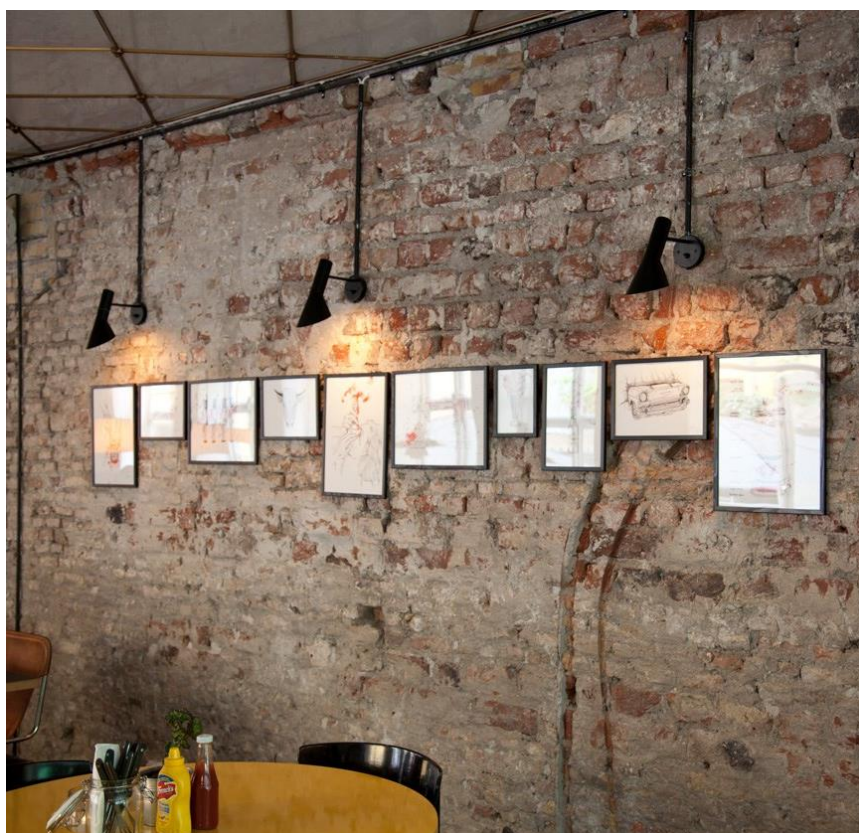


Environmental Product Specifications

— AJ Wall

Product description

- Terse and iconic design.
- A semi-conical fixture head.
- An arm fixed to a round mounting box holds the fixture head.
- Fixture head rotates and pivots to direct light as needed.
- Different colour variants.
- Is a member of a product family for both outdoor and indoor.



Product info

Mounting

Depends on the variant

Finish

Stainless Steel, polished. White, Black, Aubergine, Dark Green, Dark Grey, Light Grey, Midnight Blue, Pale Petroleum, Rusty Red, Yellow Ochre, wet painted.

Light source

1x20W E14.

Sizes and weights

Width x Height x Length (mm)
145 x 180 x 318 Max 1.1 kg

Class

Ingress protection IP20. With cable and plug: Electric shock protection II w/o ground. For mounting directly on power outlet: Electric shock protection I w. ground.

Product family



AJ Table

AJ Floor

AJ 50 Wall

AJ Mini Table

AJ Royal

Product variants

Colour	Cable type	Light source	Class	Switch
Aubergine	Blk pl	1x20W E14	I	-
Black	W/o cord		II	W/O SWITCH
Dark green	Wht pl			W/SWITCH
Dark grey				
Light grey				
Midnight blue				
Pale petroleum				
Rusty red				
Stainless steel polished				
White				
Yellow ochre				

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 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:



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.

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.

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.

Disclaimer

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.

The climate footprint is based on delivery to an average EU customer. This document is not third-party validated, and communication is intended for B2B customers.



Specific variant data

AJ wall is available in two different variants, painted or stainless steel. Specific material list and life cycle screening results are available for each variant. Scroll down to find the relevant variant.

■ [AJ Wall Colored](#)

■ [AJ Wall Stainless steel](#)



AJ Wall Colored

Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Steel parts	Steel machined	CN - China	49,0%
A	Fabric bag	Advanced PP	CN - China	0,9%
B	Friction disc	PTFE	DK - Denmark	0,1%
C	Turn bracket	POM	DK - Denmark	0,9%
D	Magnet sintered	Machined NdFeB	TW - Taiwan	0,9%
E	Stainless steel parts	Machined stainless steel	CN - China	1,9%
F	Plastic parts	PA	DK - Denmark	0,4%
G	Screws	Stainless steel	CN - China	0,9%
H	Glue	Glue	SE - Sweden	0,1%
I	Socket	Bakelite	IT - Italy	2,2%
J	Collar nipple	Machined brass	CN - China	0,3%
K	Electrical wiring	Variety of components	IT - Italy	13,4%
L	Terminalbox	Variety of components	SE - Sweden	1,7%
M	Press switch	Variety of components	CN - China	0,3%
N	Grommet	PE	DK - Denmark	0,1%
O	Cap for switch	Machined aluminium	CN - China	0,5%
P	Surface treatment	Coating (external)	DK - Denmark	0,2%
Q	Painting	Wet painting	DK - Denmark	0,1%
R	Labels and instructions	Paper	DK - Denmark	2,3%
S	Packaging	Corrugated cardboard	DK - Denmark	22,5%
T	Foam insert	EPS	DK - Denmark	0,2%
U	Plastic bags	LDPE	LT - Lithuania	1,1%
				100%

Life Cycle Screening results

Product that has been calculated as a reference for the product family:

AJ WALL, BLACK, BLK PL, 1X20W E14, CL. II, W/SWTICH.

Production of the product

Average climate emission:

9 KG CO2-e

Lower boundary: 6 CO2-e

Upper boundary: 50 CO2-e

Production of the product and use stage

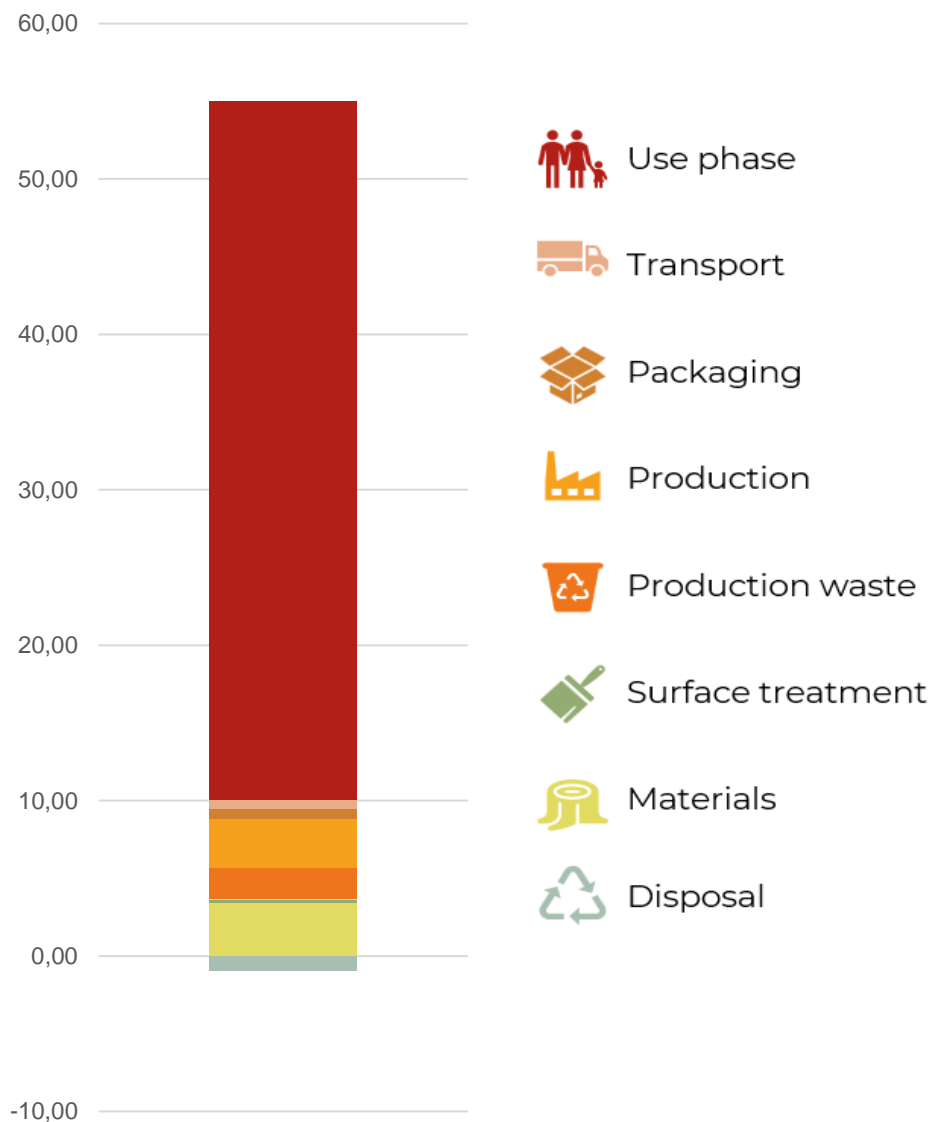
Average climate emission:

55 KG CO2-e

Lower boundary: 50 CO2-e

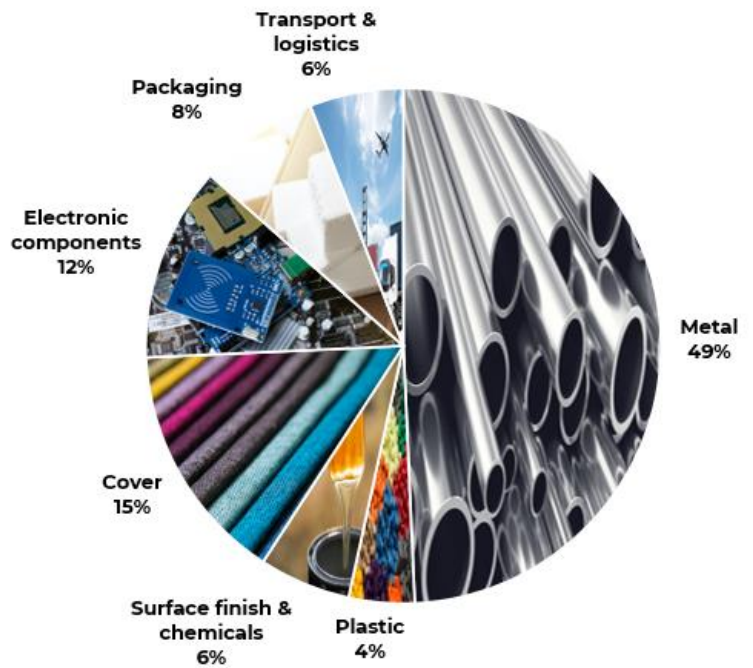
Upper boundary: 95 CO2-e

Carbon stages



Main emission sources (pr material group)*

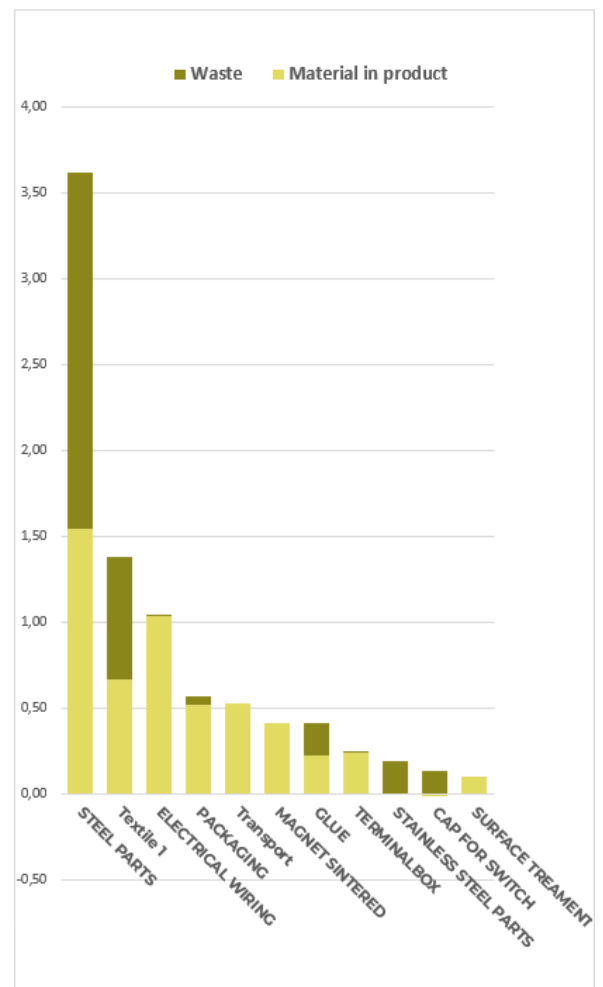
Group	Total impact
Solid Wood	0,00 kg CO2-e 0,0%
Wood based board	0,00 kg CO2-e 0,0%
Metal	4,49 kg CO2-e 49,3%
Plastic	0,38 kg CO2-e 4,1%
Glass/ Stone / Ceramics	0,00 kg CO2-e 0,0%
Surface finish & chemicals	0,52 kg CO2-e 5,8%
Upholstery	0,00 kg CO2-e 0,0%
Cover	1,38 kg CO2-e 15,1%
Electronic components	1,11 kg CO2-e 12,2%
Packaging	0,69 kg CO2-e 7,6%
Transport & logistics	0,54 kg CO2-e 5,9%



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
STEEL PARTS	Steel machined	3,62 kg CO2-e
Textile 1	Polypropylene (PP)	1,38 kg CO2-e
ELECTRICAL WIRING	Electric cable (PVC)	1,05 kg CO2-e
PACKAGING	Corrugated cardboard box printed sustainable fiber	0,57 kg CO2-e
Transport	Total emission from transport - all steps	0,53 kg CO2-e
MAGNET SINTERED	Magnet	0,41 kg CO2-e
GLUE	Laminating glue average kg	0,41 kg CO2-e
TERMINALBOX	Polyamide (PA6)	0,25 kg CO2-e
STAINLESS STEEL PARTS	Stainless steel machined	0,19 kg CO2-e
CAP FOR SWITCH	Alu. machined	0,12 kg CO2-e
SURFACE TREATMENT	Or kg powder consumed	0,10 kg CO2-e



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

AJ Wall Stainless steel

Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Steel parts	Steel machined	CN - China	52,7%
A	Fabric bag	Advanced PP	CN - China	0,8%
B	Friction disc	PTFE	DK - Denmark	0,1%
C	Turn bracket	POM	DK - Denmark	0,9%
D	Magnet sintered	Machined NdFeB	TW - Taiwan	0,4%
E	Stainless steel parts	Machined stainless steel	CN - China	1,3%
F	Plastic parts	PA	DK - Denmark	0,2%
G	Screws	Stainless steel	CN - China	0,2%
H	Glue	Glue	SE - Sweden	0,1%
I	Socket	Bakelite	IT - Italy	2,0%
J	Collar nipple	Machined brass	CN - China	0,3%
K	Electrical wiring	Variety of components	IT - Italy	10,6%
L	Terminalbox	Variety of components	SE - Sweden	1,6%
M	Press switch	Variety of components	CN - China	0,3%
N	Grommet	PE	DK - Denmark	0,1%
O	Insulating Grommet	PA	IT - Italy	0,1%
P	Fiber Cloth	Variety of fibers	CN - China	3,2%
Q	Cotton glove	Cotton	PK - Pakistan	1,8%
R	Labels and instructions	Paper	DK - Denmark	1,8%
S	Packaging	Corrugated cardboard	DK - Denmark	21,0%
T	Foam insert	EPS	DK - Denmark	0,2%
U	Plastic bags	LDPE	LT - Lithuania	1,1%
				100%

Life Cycle Screening results

Product that has been calculated as a reference for the product family:

AJ WALL, BLACK, BLK PL, 1X20W E14, CL. II, W/SWTICH.

Production of the product

Average climate emission:

14 KG CO2-e

Lower boundary: 6 CO2-e

Upper boundary: 35 CO2-e

Production of the product and use stage

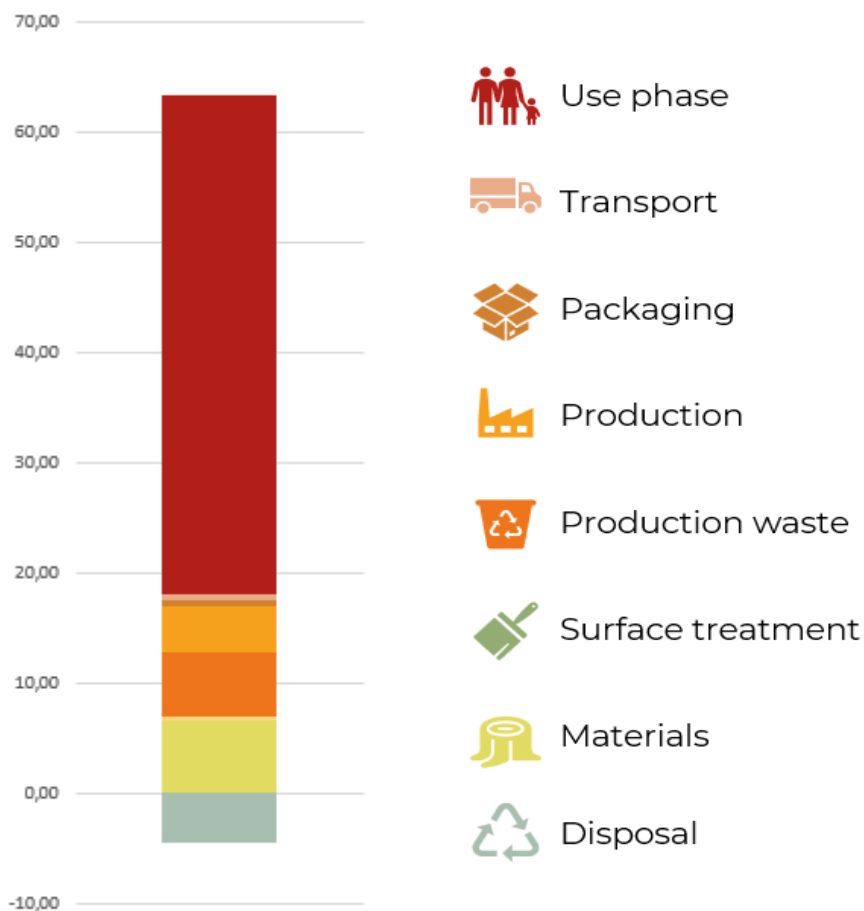
Average climate emission:

60 KG CO2-e

Lower boundary: 50 CO2-e

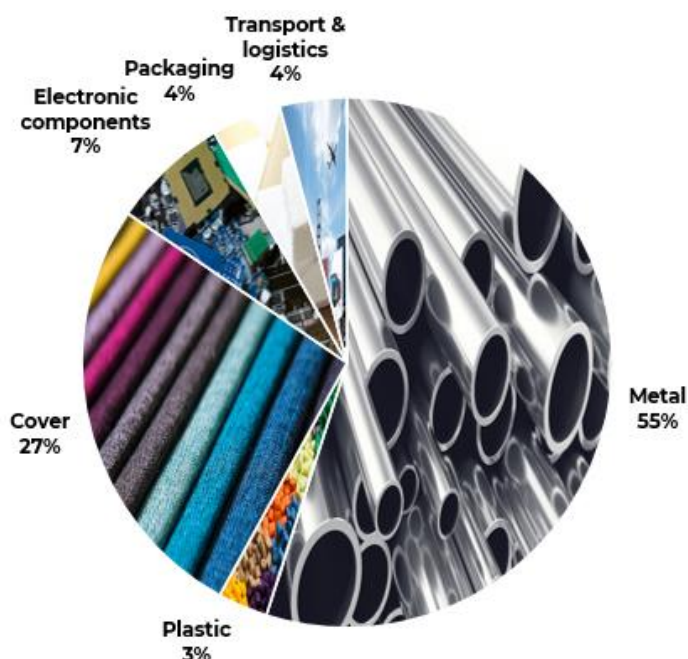
Upper boundary: 80 CO2-e

Carbon stages



Main emission sources (pr material group)*

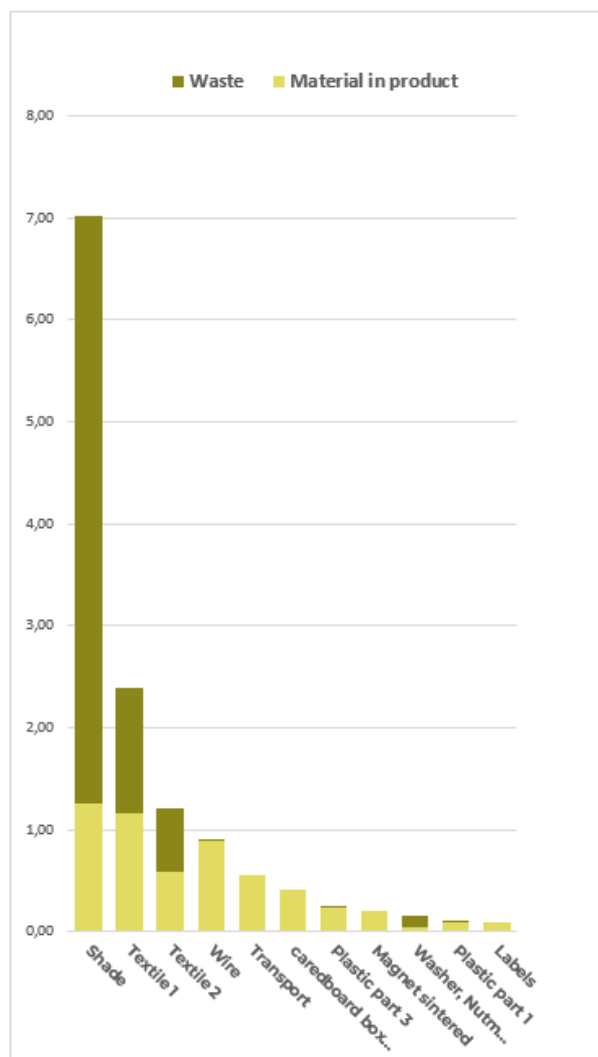
Group	Total impact
Solid Wood	0,00 kg CO2-e 0,0%
Wood based board	0,00 kg CO2-e 0,0%
Metal	7,46 kg CO2-e 54,9%
Plastic	0,41 kg CO2-e 3,0%
Glass / Stone / Ceramics	0,00 kg CO2-e 0,0%
Surface finish & chemicals	0,00 kg CO2-e 0,0%
Upholstery	0,00 kg CO2-e 0,0%
Cover	3,60 kg CO2-e 26,5%
Electronic components	0,97 kg CO2-e 7,2%
Packaging	0,57 kg CO2-e 4,2%
Transport & logistics	0,56 kg CO2-e 4,1%



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
Shade	Stainless steel machined	7,02 kg CO2-e
Textile 1	Polyester (PETa), Polyamide (PA)	2,39 kg CO2-e
Textile 2	Cotton, Area of cover, m2, Material	1,21 kg CO2-e
Wire	Electric cable (PVC)	0,90 kg CO2-e
Transport	Total emission from transport - all steps	0,55 kg CO2-e
cardboard box with insert	Corrugated cardboard box printed sustainable fiber	0,41 kg CO2-e
Plastic part 3	Polyamide (PA6)	0,25 kg CO2-e
Magnet sintered	Magnet	0,20 kg CO2-e
Washer, Nutm Screws	Stainless steel screws/bolts	0,15 kg CO2-e
Plastic part 1	Acetal (POM), Polyamide (PA6)	0,10 kg CO2-e
Labels	Paper B&W print not sustainable	0,09 kg CO2-e



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