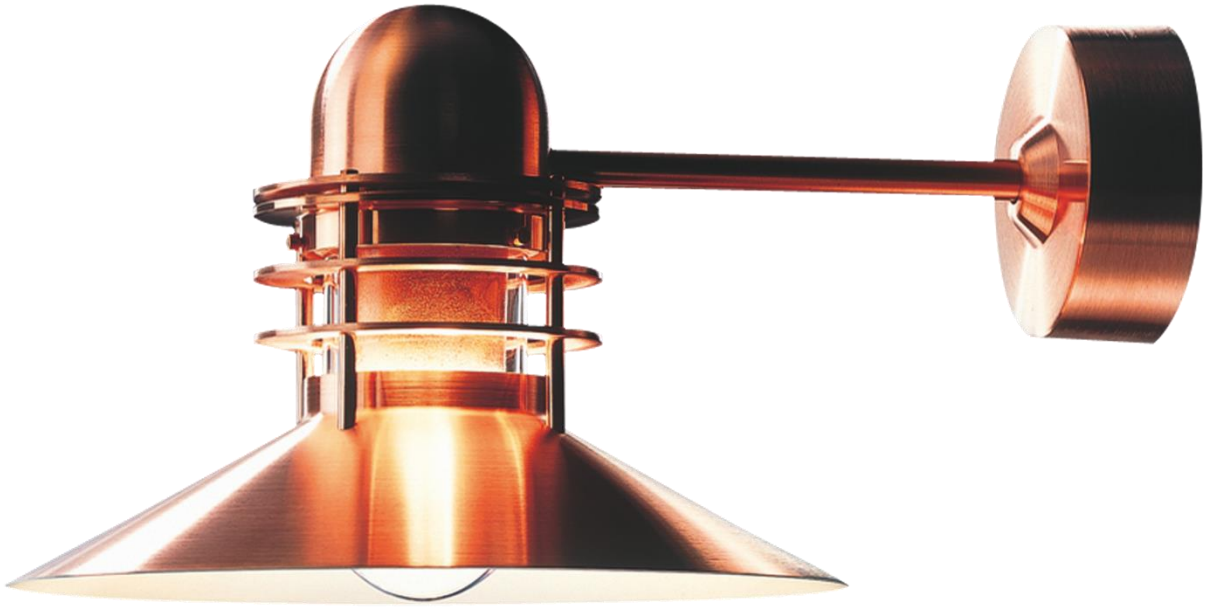
louis poulsen



Environmental Product Specifications

— Nyhavn Wall

Product description

- A conical shaped main shade with 3 rings on top and on top of that a fixture housing for connection to the wall arm. The conical shade ensures comfortable light that is directed downwards in a wide beam. The shade interior has a white matt painted surface, ensuring uniform light distribution.
- A clear glass inside the rings and shade covers the lamp. The rings ensure that a stray light is controlled and direct a small amount of light onto the top side of the shade for self-illumination.
- A straight wall arm mounted in a round wall box holds the fixture.
- The copper version will develop a verdigris finish over time.
- Is a member of a product family for both outdoor and indoor. Terse design Different material variants.

Product info

Mounting

Terminal block: 1x3x2.5mm². Cable entries: 2x bottom + 3x rear entries for Ø 10-14.5mm cable. Looping: Approved, max. 3x1,5mm².

Finish

Copper, brushed or white, wet painted.

Light source

1x100W E27.

Sizes and weights

Width x Height x Length (mm)
310 x 225 x 445 Max 4.2 kg

Class

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

Product variants

Colour	Light source
Brushed copper	1x100W E27
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	Stainless steel parts	Machined stainless steel	DK - Denmark	3,2%
B	Brass parts	Machined brass	CN – China	0,5%
B	Painting	Wet painting	DK – Denmark	0,0%
C	Brass parts	Die-casted brass	CN – China	13,6%
D	Screws	Stainless steel	CN – China	2,1%
E	Stainless steel parts	Machined stainless steel	TW – Taiwan	8,3%
F	Aluminium parts	Die-casted aluminium	CN – China	3,9%
G	Aluminium parts	Machined aluminium	DK – Denmark	2,5%
H	Aluminium parts	Aluzinc	DK – Denmark	0,9%
I	Copper parts	Machined copper	TW – Taiwan	1,4%
J	Copper parts	Copper sheets	FI – Finland	34,7%
J	Painting	Wet painting	GB – United Kingdom	0,0%
J	Painting	Primer	SE – Sweden	0,0%
K	Cylinder glass	Glass clear	SI – Slovenia	4,7%
L	Socket	Porcelain	DE – Germany	1,1%
M	Wire and cords	Variety of components	IT – Italy	1,2%
N	Gasket	NPR	DK – Denmark	0,5%
O	Plastic parts	PA	SE – Sweden	0,2%
P	Membrane	TPE/PE	DK – Denmark	0,1%
Q	Tape	PP w. PMMA	DE – Germany	0,1%
R	Plastic parts	EPDM	IT – Italy	0,7%
S	Labels and instructions	Paper	DK – Denmark	0,3%
T	Packaging	Corrugated cardboard	DK – Denmark	19,0%
U	Plastic bags and tube film	LDPE	LT – Lithuania	0,6%
V	Cottong gloves	Cotton	PK – Pakistan	0,4%
				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.

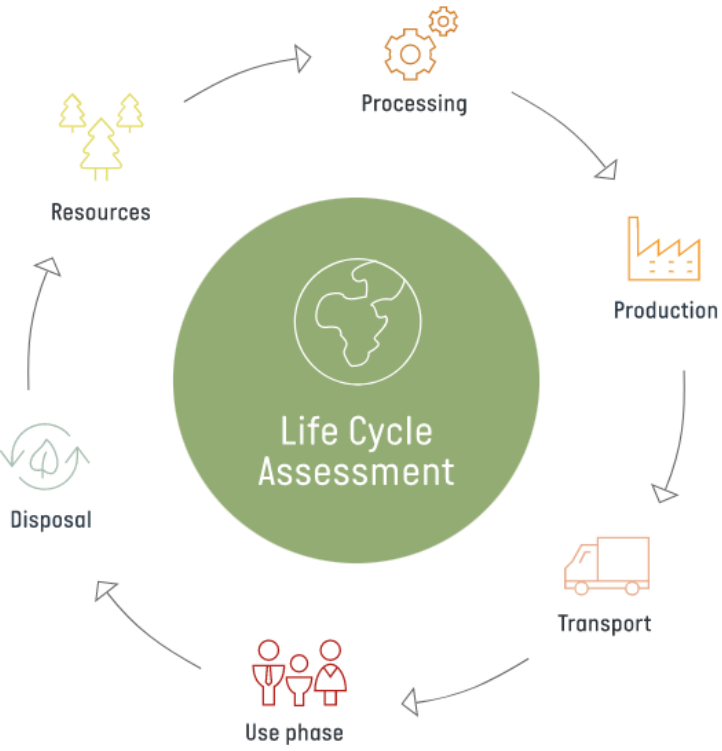
The electricity is based on the European energy mix, with data from: the European Environment Agency Greenhouse gas emission intensity of electricity generation.

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:

Nyhavn Wall, Brushed Copper, 1x100W E27.

Production of the product

Average climate emission:

65 KG CO2-e

Lower boundary: 31 CO2-e
Upper boundary: 170 CO2-e

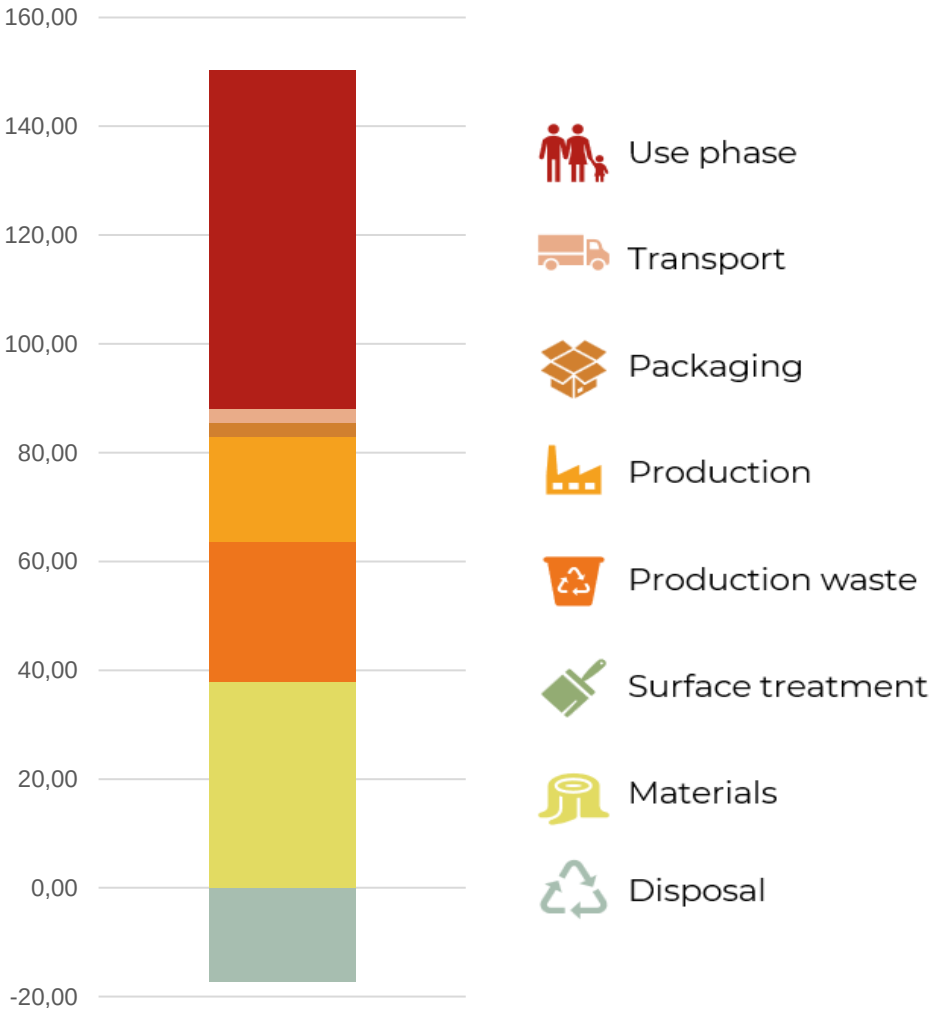
Production of the product and use stage

Average climate emission:

130 KG CO2-e

Lower boundary: 90 CO2-e
Upper boundary: 230 CO2-e

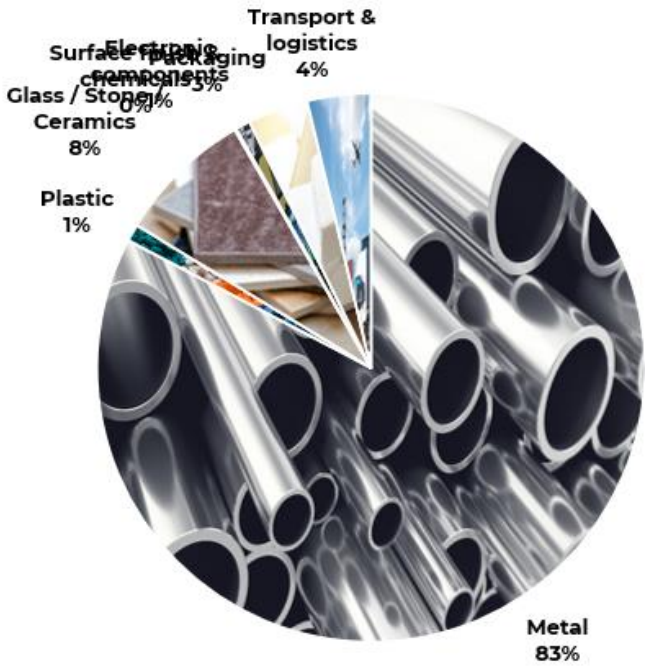
Carbon stages



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)**

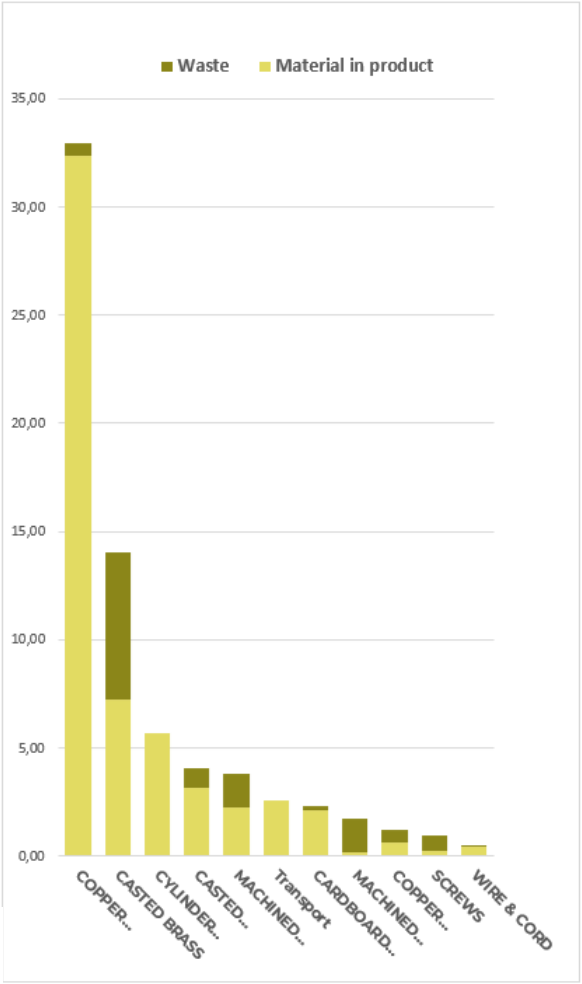
Group	Total impact		
Solid Wood	**0,00**	*kg CO2-e*	**0,0%**
Wood based board	**0,00**	*kg CO2-e*	**0,0%**
Metal	**58,70**	*kg CO2-e*	**82,7%**
Plastic	**0,72**	*kg CO2-e*	**1,0%**
Glass / Stone / Ceramics	**5,70**	*kg CO2-e*	**8,0%**
Surface finish & chemicals	**0,07**	*kg CO2-e*	**0,1%**
Upholstery	**0,00**	*kg CO2-e*	**0,0%**
Cover	**0,00**	*kg CO2-e*	**0,0%**
Electronic components	**0,61**	*kg CO2-e*	**0,9%**
Packaging	**2,53**	*kg CO2-e*	**3,6%**
Transport & logistics	**2,66**	*kg CO2-e*	**3,7%**



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	
COPPER MACHINED	Copper sheet	**32,95**	*kg CO2-e*
CASTED BRASS CYLINDER GLASS CLEAR NYHAVN *	Brass die cast	**14,06**	*kg CO2-e*
	Virgin glass hand made	**5,70**	*kg CO2-e*
CASTED ALUMINIUM MACHINED STAINLESS STEEL	Alu. cast	**4,09**	*kg CO2-e*
	Stainless steel machined	**3,82**	*kg CO2-e*
Transport	Total emission from transport - all steps	**2,57**	*kg CO2-e*
CARDBOARD BOX & INSERTS	Corrugated cardboard box printed sustainable fiber	**2,32**	*kg CO2-e*
MACHINED STAINLESS STEEL	Stainless steel machined	**1,74**	*kg CO2-e*
COPPER MACHINED	Copper sheet	**1,21**	*kg CO2-e*
SCREWS	Stainless steel screws/bolts	**0,98**	*kg CO2-e*
WIRE & CORD	Electric cable (PVC)	**0,45**	*kg CO2-e*



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