

# **louis poulsen**



## **Environmental Product Specifications**

— NJP Wall

## Product description

- The fixture provides direct glare-free horizontal light while reflecting some of the light through the rear of the head, illuminating the top of the arm.
- The ergonomic design of the fixture head shapes the light and gives optimal light direction.
- A simple mechanical system provides great freedom of movement, so the light can always be set in the ideal position in the workspace.
- The shade is painted white on the inside, reflecting comfortable diffused light.



## Product info

### Mounting

Cord type: black or white.

Cord length: 3,3 m (short arm), 2,3 m (Long arm).

### Finish

White, black, light alu grey or dark alu grey,  
powder coated.

### Light source

LED

### Sizes and weights

Width x Height x Length (mm)

150 x 600 x 600 Max 1.5 kg

150 x 200 x 300 Max 0.8 kg

### Class

Ingress protection IP20.

Electric shock protection II w/o ground.

## Product family



NJP Wall



NJP Table



NJP Floor

## Product variants

Colour	Mounting	Cable type	Light source	Lumen
<input checked="" type="radio"/> Black	Long arm	Blk pl	LED 2700K 10W	529
<input checked="" type="radio"/> Dark aluminium grey	Short arm	Whit pl	LED 3000K 10W	550
<input type="radio"/> Light aluminium grey				
<input type="radio"/> 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.

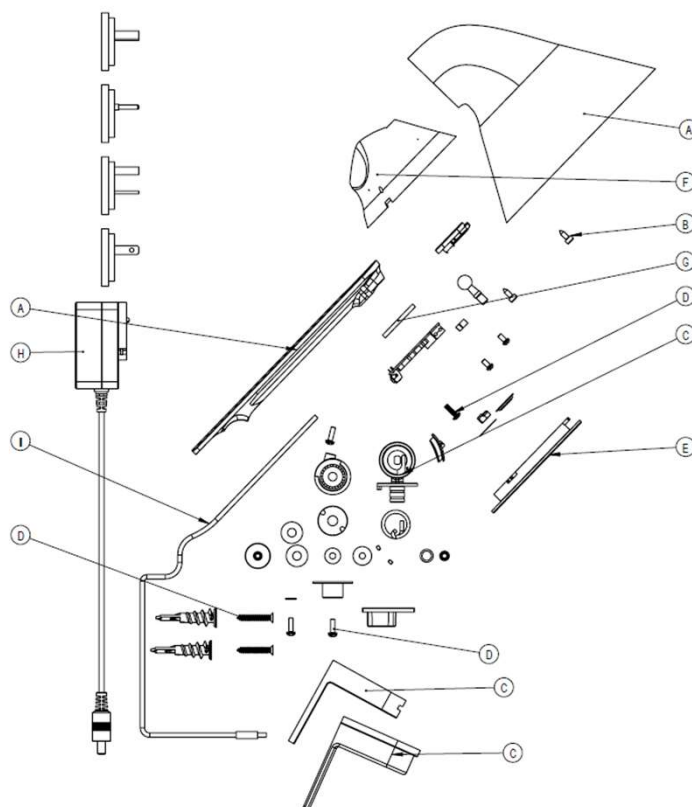
Louis Poulsen is part of ELRETUR which ensures that electronic waste (WEEE) across of Europa is reused.

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	Aluminium parts	Die casted aluminium	CN - China	21,0%
A	Painting	Wet paint and powder coating	CN - China	0,7%
B	Steel parts	Stainless steel	CN - China	1,3%
C	Zinc alloy part	Die-cast zinc alloy	CN - China	19,7%
C	Painting	Powder coating	CN - China	0,6%
D	Steel screws, bolts and nuts	Steel	CN - China	1,3%
E	Diffuser	Plastic - PMMA	CN - China	1,3%
F	Plastic parts	Plastic - ABS	CN - China	1,0%
G	COB	Variety of components	CN - China	0,6%
H	Driver	Variety of components	CN - China	6,5%
I	Electrical wiring	TPE and copper	CN - China	5,2%
J	Instruction and labels	Paper	CN - China	1,3%
K	Packaging	Corrugated cardboard	CN - China	32,4%
L	Plastic bag	EPS foam	CN - China	7,1%
M	Plastic bag	Plastic - LDPE	CN - China	0,6%
				<b>100%</b>



# 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.



## 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:

NJP Wall, short, 10 Watt.

### Production of the product

Total climate emission:

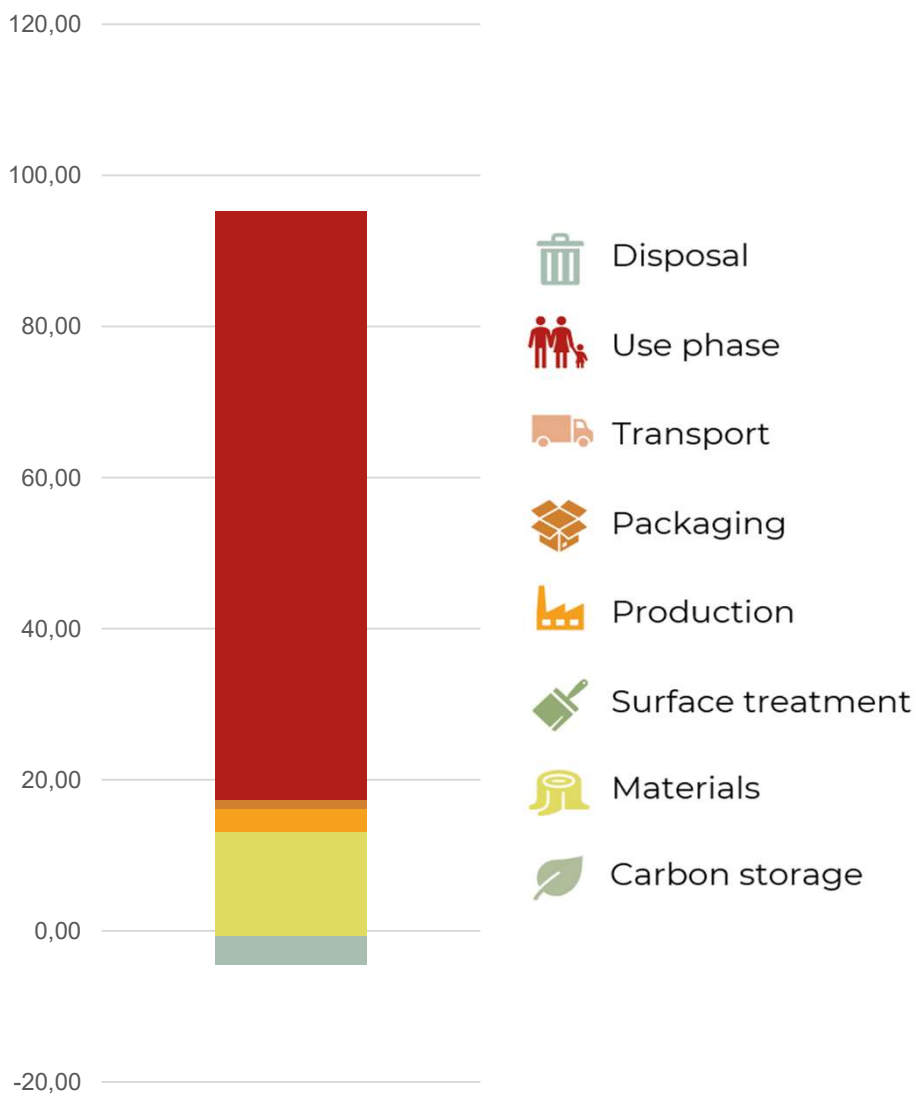
**15 KG CO2-e**

### Production of the product and use stage

Total climate emission:

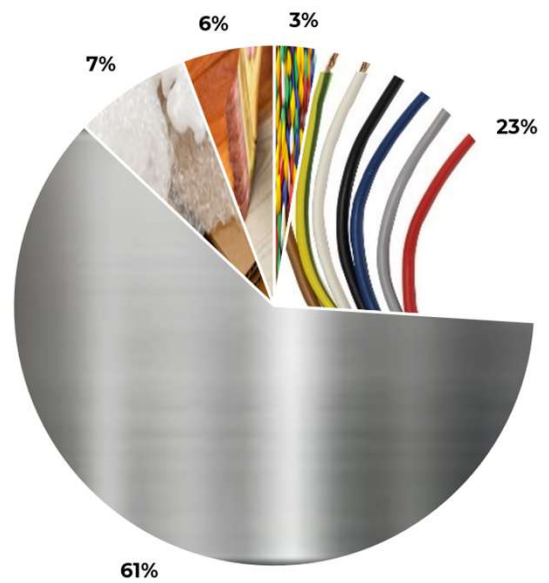
**90 KG CO2-e**

### Carbon stages



**Main emission sources (pr material group)\***

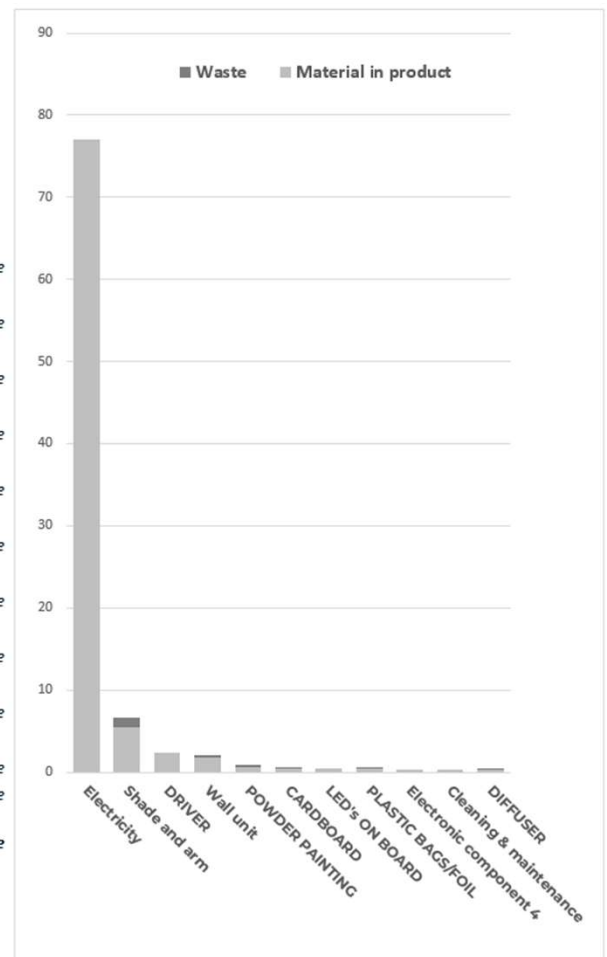
Group	Total impact
Solid Wood	0,00 kg CO2-e
Plastic	0,41 kg CO2-e
Cover	0,00 kg CO2-e
Standard Components	0,00 kg CO2-e
Electronics	3,34 kg CO2-e
Metal	8,81 kg CO2-e
Packaging	1,05 kg CO2-e
Upholstery	0,00 kg CO2-e
Wood Based Board	0,00 kg CO2-e
Surface Finish & Chemicals	0,82 kg CO2-e
Glass / Stone / 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	77,02 kg CO2-e
Shade and arm	Alu. cast	6,58 kg CO2-e
DRIVER	Power supply with cables + connectors kg	2,43 kg CO2-e
Wall unit	Zink, diecast	2,09 kg CO2-e
POWDER PAINTING	Or kg powder consumed	0,82 kg CO2-e
CARDBOARD	Corrugated cardboard box, no print	0,58 kg CO2-e
LED's ON BOARD	LED 3,5x3,5x2m pcs	0,52 kg CO2-e
PLASTIC BAGS/FOIL	PE-LD foil/foam/cling film	0,43 kg CO2-e
Electronic component 4	Electric cable kg	0,37 kg CO2-e
Cleaning & maintenance	Cleaning, maintenance & Product Loss	0,31 kg CO2-e
DIFFUSER	Acrylic (PMMA), molded	0,28 kg CO2-e
<b>Total impact from Waste</b>		<b>1,98 kg CO2-e</b>



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