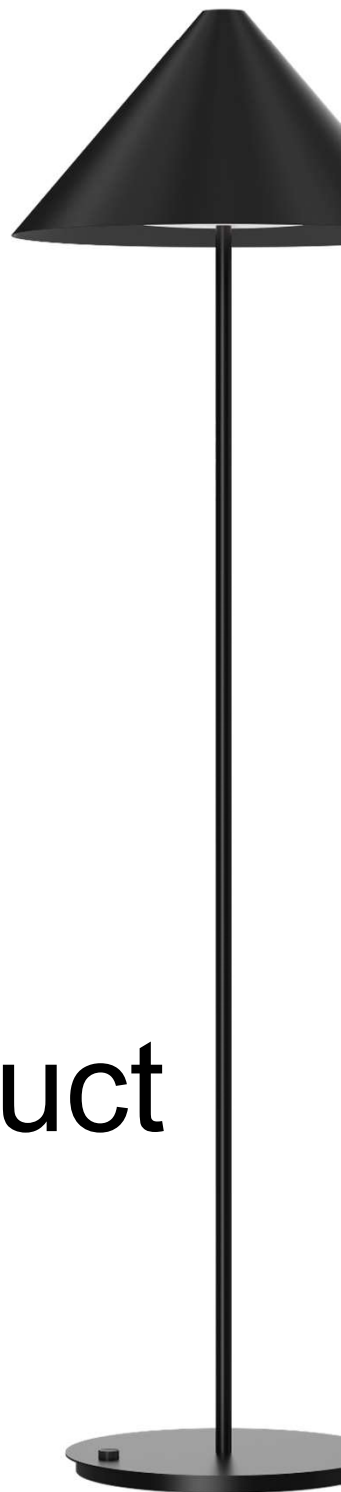


**louis  
poulsen**

# Environmental Product Specifications

— Keglen Floor



## Product description

- The floor lamp’s distinctive conical shade has a built-in curved diffuser.
- This ensures an attractive and glare-free downwardly directed light.
- The stem morphs into the diffuser shade, folding inward and creating a beautiful organic geometry.
- A gentle light is also emitted upward through a discreet uniform opening in the top of the shade to create a perfect ambiance.



## Product info

### Mounting

Depends on the variant

### Finish

Black or white, matt, wet-painted.

### Light source

LED 2700-2000K D2W 8.5W. Lumen: 481.

### Sizes and weights

Width x Height x Length (mm)  
400 x 1380 x 400 Max 7.0 kg

### Class

Ingress protection IP20. Class II.

## Product family



Keglen



Keglen Table



Keglen Wall

## Product variants

Colour	Cable type	Light source	Lumen
<input checked="" type="radio"/> Black	Blk pl	LED 2700-2000K D2W 8.5W	481
<input type="radio"/> White	Wht pl	LED 3000K 8.5W	509
			541
			573

## 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.

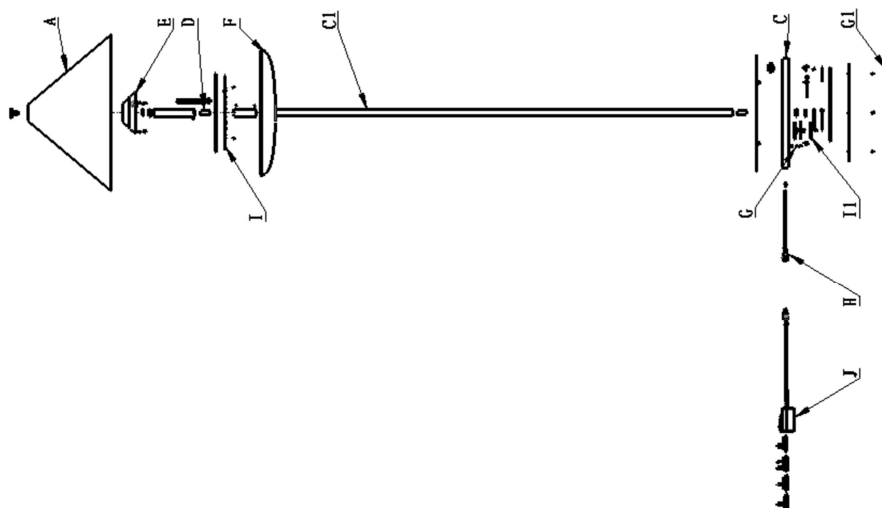
Louis Poulsen is part of ELRETUR which ensures that electronic waste (WEEE) across of Europa is reused.

This product must be treated as electronic waste:



# Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Aluminium parts	Machined aluminium	CN - China	8,5%
B	Painting	Powder coating	CN - China	0,5%
C	Weight counter	Cast iron	CN - China	26,5%
C1	Steel parts	Machined steel	CN - China	10,7%
D	Screws, bolts and nuts	Machined stainless steel	CN - China	0,4%
E	Diffuser down light	PC	CN - China	1,9%
F	Diffuser up light	PC	CN - China	0,2%
G	Plastic parts	PA	CN - China	0,0%
G1	Plastic parts	Silicone	CN - China	0,7%
H	DC plug coaxial wire	TPE jacket+ copper core	CN - China	0,3%
I	LED board	FR4	CN - China	0,6%
I1	PCB board	FR4	CN - China	0,1%
J	Driver	Variety of components	CN - China	0,9%
K	Electrical wiring	Variety of components	CN - China	0,3%
L	Labels and instructions	Paper	CN - China	0,1%
M	Foam inserts	EPS	CN - China	4,8%
M1	Foam inserts	EVA	CN - China	5,8%
M2	Foam inserts	EPE	CN - China	1,3%
M3	Packaging	Corrugated cardboard	CN - China	36,5%
				<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

1.200 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:**

KEGLEN FLOOR, BLACK, BLK PL, LED 2700-2000K D2W 8.5W.

### Production of the product

Average climate emission:

# 125 KG CO<sub>2</sub>-e

Lower boundary: 70 CO<sub>2</sub>-e

Upper boundary: 290 CO<sub>2</sub>-e

### Production of the product and use stage

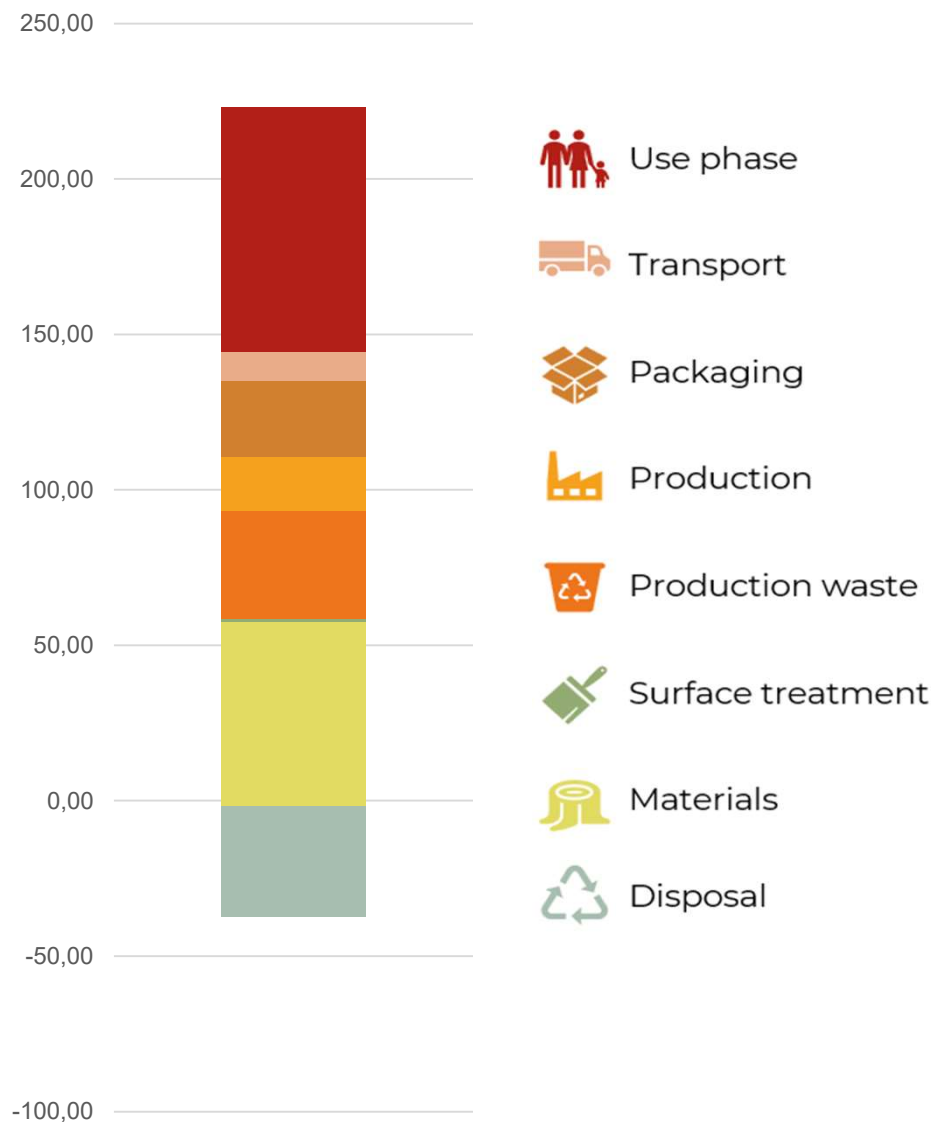
Average climate emission:

# 200 KG CO<sub>2</sub>-e

Lower boundary: 150 CO<sub>2</sub>-e

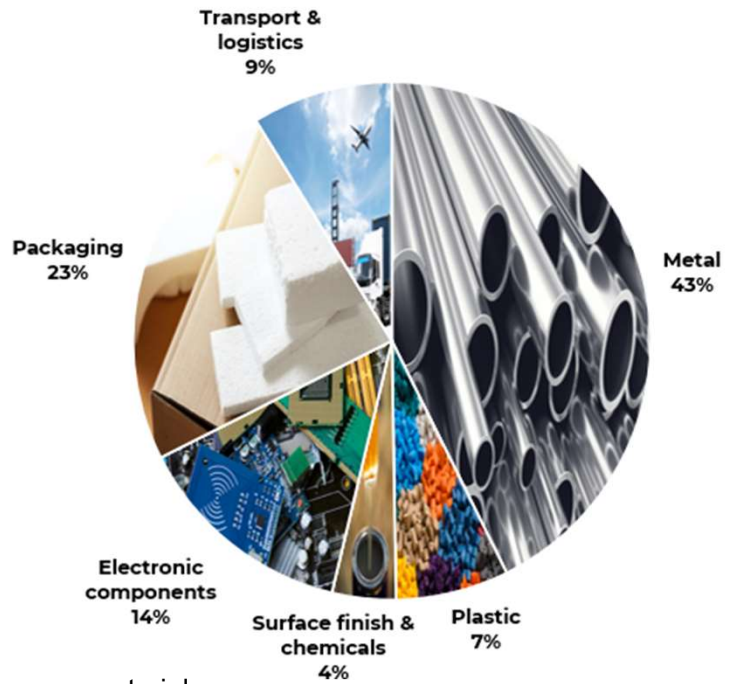
Upper boundary: 360 CO<sub>2</sub>-e

### Carbon stages



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

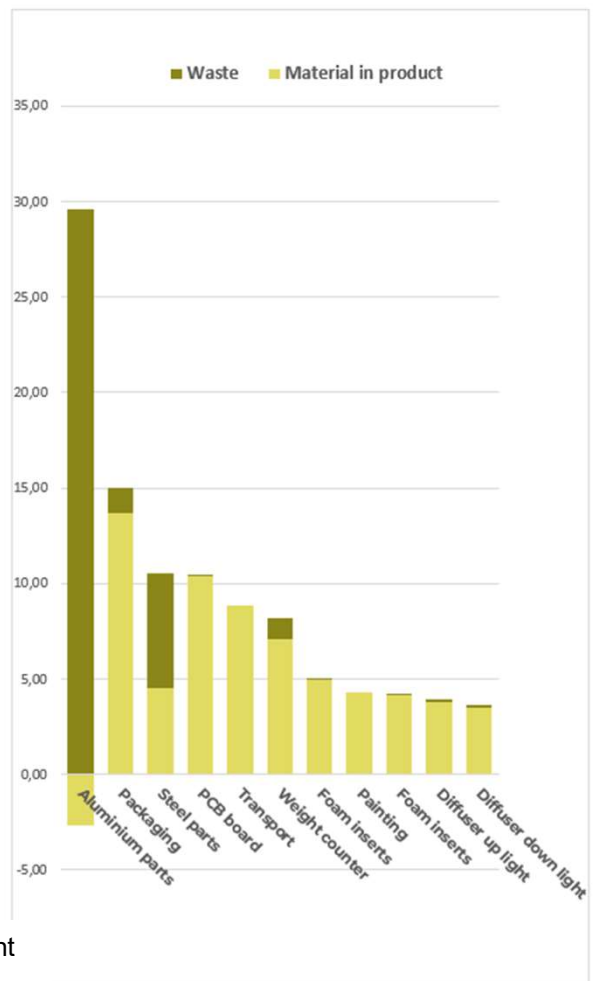
Group	Total impact	
Solid Wood	0,00 kg CO2-e	0,0%
Wood based board	0,00 kg CO2-e	0,0%
Metal	46,19 kg CO2-e	42,7%
Plastic	7,64 kg CO2-e	7,1%
Glass / Stone / Ceramics	0,00 kg CO2-e	0,0%
Surface finish & chemicals	4,32 kg CO2-e	4,0%
Upholstery	0,00 kg CO2-e	0,0%
Cover	0,00 kg CO2-e	0,0%
Electronic components	14,97 kg CO2-e	13,8%
Packaging	25,59 kg CO2-e	23,6%
Transport & logistics	9,52 kg CO2-e	8,8%



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
Aluminium parts	Alu. machined	26,98 kg CO2-e
Packaging	Corrugated cardboard box printed sustainable fiber	15,00 kg CO2-e
Steel parts	Steel machined	10,55 kg CO2-e
PCB board	Unspecified PCB surface mounted	10,47 kg CO2-e
Transport	Total emission from transport - all steps	8,85 kg CO2-e
Weight counter	Cast iron	8,16 kg CO2-e
Foam inserts	Polystyrene foam (EPS)	5,02 kg CO2-e
Painting	Or kg powder consumed	4,32 kg CO2-e
Foam inserts	Polystyrene foam (EPS)	4,18 kg CO2-e
Diffuser up light	Polycarbonate PC	3,94 kg CO2-e
Diffuser down light	Polycarbonate PC	3,63 kg CO2-e



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