

# **louis poulsen**

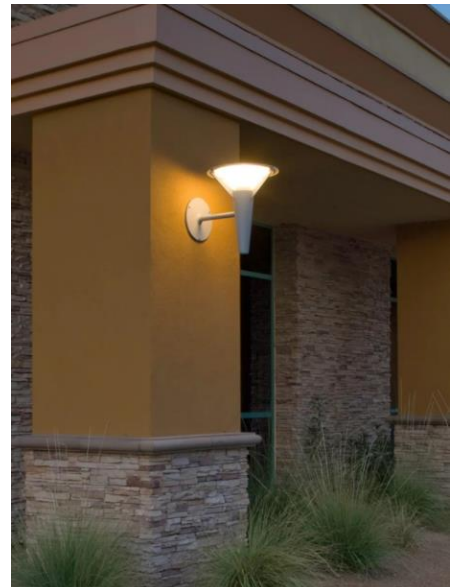


## **Environmental Product Specifications**

— Kipp Wall

## Product description

- The fixture emits symmetrical light directed downward.
- The relation between the slightly curved top shade and the angle of the inner opal diffuser ensures a wide non glare light distribution.
- Cone-shaped fixture head carried on a conical console with a frame with three arms.
- Opal diffuser inside a clear enclosure.
- Wall arm fixed into the conical console.
- Top shade is curved with a flat edge.
- Entire fixture head is removable for easy access to lamp and components.
- Terse design suitable for both modern and classic design.



# Product info

## Mounting

Terminal block: 1x3x2.5mm². Cable entries: 2x rear and 2x bottom entries, Ø 20mm. Looping: Approved, max. 3x1,5mm².

## Finish

Aluminium coloured with textured surface or graphite grey, powder coated.

## Light source

LED 3000K 28W, Lumen: 1454.

## Sizes and weights

Width x Height x Length (mm)  
440 x 540 x 605 Max 7.3 kg

## Class

Ingress protection IP55. Electric shock protection I w. ground. IK10.

# Product family



Kipp Bollard



Kipp Post



Kipp LED Upgrade Kit

# Product variants

Colour	Light source
<input type="radio"/> Aluminium colour texture	<input type="radio"/> LED 3000K 28W
<input type="radio"/> Graphite grey	<input type="radio"/> LED 4000K 28W

## 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

The aluminium material is sourced from min. 90% authentic, refined, recycled aluminium. 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)
<b>A</b>	Aluminium parts	Die-casted aluminium parts	DK - Denmark	43,1%
<b>A</b>	Painting	Wet painting	DK – Denmark	0,1%
<b>A</b>	Painting	Powder coating	DE – Germany	3,0%
<b>B</b>	Aluminium parts	Machined aluminium parts	DK - Denmark	5,7%
<b>C</b>	Aluminium parts	Aluzinc	DK – Denmark	1,7%
<b>D</b>	Stainless steel parts	Machined stainless steel	CN – China	1,6%
<b>E</b>	Screws	Stainless steel	CN – China	2,1%
<b>F</b>	Driver	Variety of components	CN – China	1,8%
<b>G</b>	Surge protector	Variety of components	FR – France	0,5%
<b>H</b>	LED board	Variety of components	CN – China	0,0%
<b>I</b>	Wires and cords	Variety of components	IT – Italy	1,0%
<b>J</b>	Plastic parts	PA	DE – Germany	1,3%
<b>K</b>	Membrane grommet	PVC	DK – Denmark	0,0%
<b>L</b>	Plastic parts	EPDM	CN – China	0,4%
<b>M</b>	Main shade	PC	DK – Denmark	3,9%
<b>N</b>	Plastic parts	PMMA	DK – Denmark	1,9%
<b>O</b>	Plastic parts	Silicone	DK – Denmark	0,0%
<b>P</b>	Plastic parts	CR/NBR	DK – Denmark	0,4%
<b>Q</b>	Membrane nipple	PE	DK – Denmark	0,1%
<b>R</b>	Plastic parts	PA	CN - China	0,1%
<b>S</b>	Labels and instructions	Paper	DK – Denmark	0,2%
<b>T</b>	Packaging	Corrugated cardboard	DK – Denmark	30,5%
<b>U</b>	Plastic bags	LDPE	LT – Lithuania	0,5%
				<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:**

Kipp Wall, LED 3000K, 28W.

### Production of the product

Average climate emission:

**95 KG CO<sub>2</sub>-e**

Lower boundary: 50 CO<sub>2</sub>-e

Upper boundary: 170 CO<sub>2</sub>-e

### Production of the product and use stage

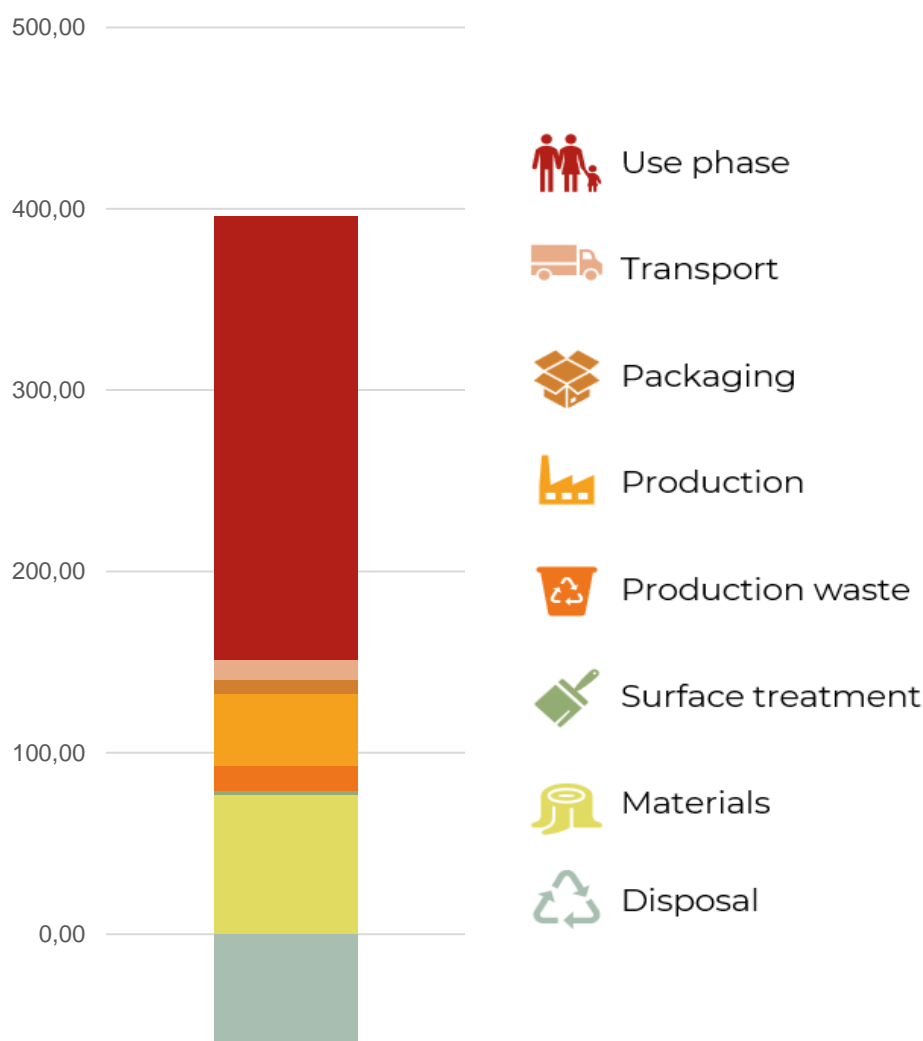
Average climate emission:

**330 KG CO<sub>2</sub>-e**

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

Upper boundary: 410 CO<sub>2</sub>-e

### Carbon stages

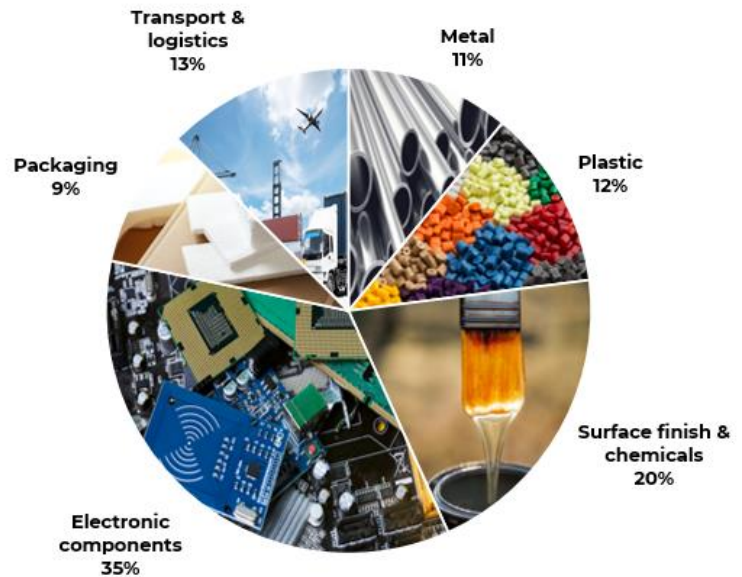


The carbon footprint has been calculated using Målbar version 2.9612; in accordance with the Product Environmental Footprint. The carbon footprint has not been third-party verified. Only to be used for B2B, as comparing alternative results. Comparing data across methodologies is likely to result in inaccurate representations.



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

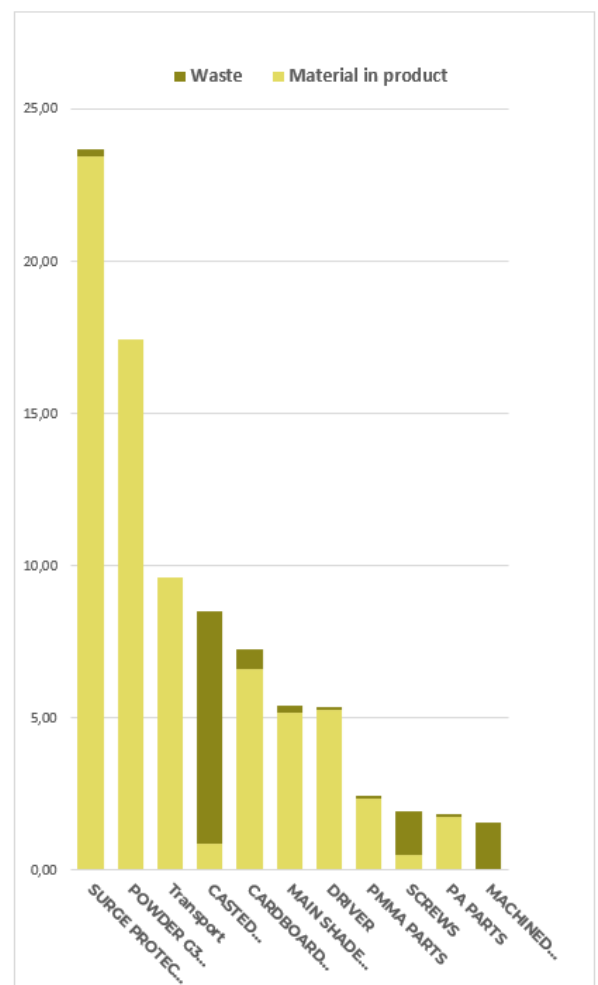
Group	Total impact		
Solid Wood	0,00	kg CO <sub>2</sub> -e	0,0%
Wood based board	0,00	kg CO <sub>2</sub> -e	0,0%
Metal	9,48	kg CO <sub>2</sub> -e	10,9%
Plastic	10,45	kg CO <sub>2</sub> -e	12,0%
Glass / Stone / Ceramics	0,00	kg CO <sub>2</sub> -e	0,0%
Surface finish & chemicals	17,59	kg CO <sub>2</sub> -e	20,3%
Upholstery	0,00	kg CO <sub>2</sub> -e	0,0%
Cover	0,00	kg CO <sub>2</sub> -e	0,0%
Electronic components	30,39	kg CO <sub>2</sub> -e	35,0%
Packaging	7,99	kg CO <sub>2</sub> -e	9,2%
Transport & logistics	10,82	kg CO <sub>2</sub> -e	12,5%



The values presented here represent total emissions per material group (incl. material, production, transport, waste, CO<sub>2</sub>e uptake)

**Main emission sources (pr element)\***

Element	Material	Total impact
SURGE PROTEC CITEL MLPX1-230L-W	Unspecified PCB surface mounted	23,66 kg CO <sub>2</sub> -e
POWDER G3 ALU COLOUR, STRUC. (162)	Or kg powder consumed	17,45 kg CO <sub>2</sub> -e
Transport	Total emission from transport - all steps	9,60 kg CO <sub>2</sub> -e
CASTED ALUMINIUM PARTS	Alu. cast	8,49 kg CO <sub>2</sub> -e
CARDBOARD BOXES & INSERTS	Corrugated cardboard box printed sustainable fiber	7,28 kg CO <sub>2</sub> -e
MAIN SHADE KIPP MINOR WALL/BOLLARD 1)	Polycarbonate PC	5,41 kg CO <sub>2</sub> -e
DRIVER	Power supply with cables + connectors	5,33 kg CO <sub>2</sub> -e
PMMA PARTS	Acrylic (PMMA)	2,45 kg CO <sub>2</sub> -e
SCREWS	Stainless steel screws/bolts	1,93 kg CO <sub>2</sub> -e
PA PARTS	Polyamide (PA6)	1,85 kg CO <sub>2</sub> -e
MACHINED STAINLESS	Stainless steel machined	1,57 kg CO <sub>2</sub> -e



The values presented here represent total emissions per element (incl. material, production, transport, waste, CO<sub>2</sub>e uptake)