

louis poulsen



Environmental Product Specifications

— Flindt Wall

Product description

- The fixture emits an asymmetrical non glary, downward directed light distribution.
- Softly illuminating its cut-out shape while providing an efficient horizontal illumination on the ground or floor.
- Perfectly fit for indoor as well as outdoor applications.



Product info

Mounting

Ø200:

Installation cable 3x1.5 mm².

Ø300/400:

Installation cable, 3x1.5 mm² + 2x1.5 mm².

Finish

Aluminum colored, white or corten colored.

Textured surface, powder coated.

Light source

LED

Sizes and weights

Width x Height x Length (mm)

60 x 200 x 200 Max 0.9 kg

80 x 300 x 300 Max 3.8 kg

100 x 400 x 400 Max 6.7 kg

Class

Ingress protection IP65.

Electric shock protection I. w. ground.

Ø200: IK08. Ø300/400: IK09.

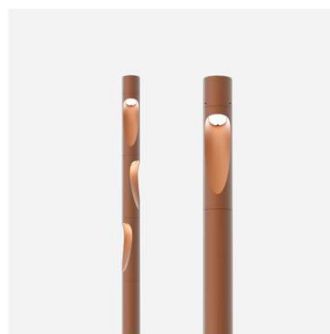
Product family



Flindt Bollard



Flindt Garden Bollard



Flindt Plaza

Product variants

Dimension	Colour	Light source	Lumen	Lighting control
Ø 200	Aluminium colour texture	LED 2700K 10W	1020	Dali
		LED 2700K 16W	1052	Phase dimming (mains dimm)
Ø 300	Corten colour	LED 2700K 20W	291	
		LED 3000K 10W	300	
Ø 400	White texture	LED 3000K 16W	321	
		LED 3000K 20W	331	
			435	
			448	
			449	
			463	
			495	
			510	
	680			
	701			
	751			
	774			

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 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

The aluminium material is sourced from min. 90% recycled aluminium.

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.

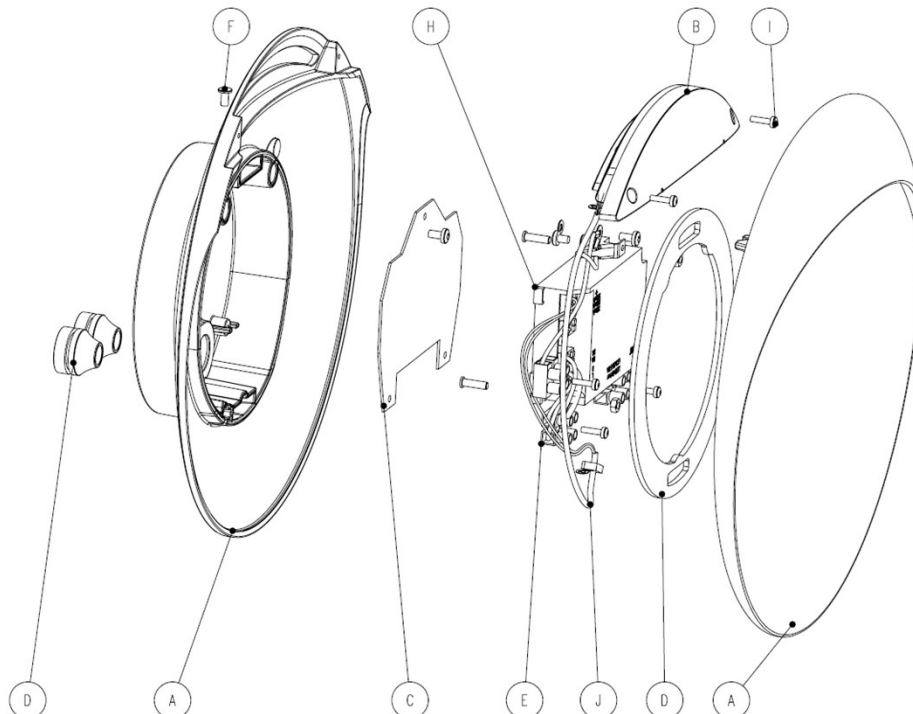
Louis Poulsen is part of ELRETUR which ensures that electronic waste (WEEE) across of Europa is reused.

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	Steel plate	Aluzinc	CN - China	14,3%
A	Painting	Powder coating	DE - Germany	0,8%
B	LED unit	Variety of components	CN - China	-
B	LED	Variety of components	CN - China	0,2%
B	Wires	TPE and copper	CN - China	0,1%
B	Cable sleeve	Silicone	CN - China	0,0%
B	Heatsink	Die-casted aluminium	CN - China	3,1%
B	Reflector	Plastic - PC	CN - China	0,8%
C	Driver bracket	Aluzinc DX51 AZ150 EN	DK - Denmark	2,3%
D	Gasket	Plastic - EPDM	SE - Sweden	0,2%
E	Terminal	Plastic - PA	SE - Sweden	0,3%
F	O-ring	Plastic - NBR	DK - Denmark	0,3%
G	Plastic parts	Plastic - EPDM	DK - Denmark	0,1%
H	Driver	Variety of components	FI - Finland	2,8%
I	Steel screws, bolts and nuts	Steel	CN - China	0,7%
J	Wires	Silicone and copper	IT - Italy	0,2%
K	Foam	Plastic - EPS	DK - Denmark	0,0%
L	Packaging	Corrugated cardboard	DK - Denmark	10,9%
M	Instruction and labels	Paper	DK - Denmark	0,1%
N	Plastic bag	Plastic - LDPE	LT - Lithuania	0,2%
				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.



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:

Flindt wall Ø300 LED-DA, 10 Watt.

Production of the product

Total climate emission:

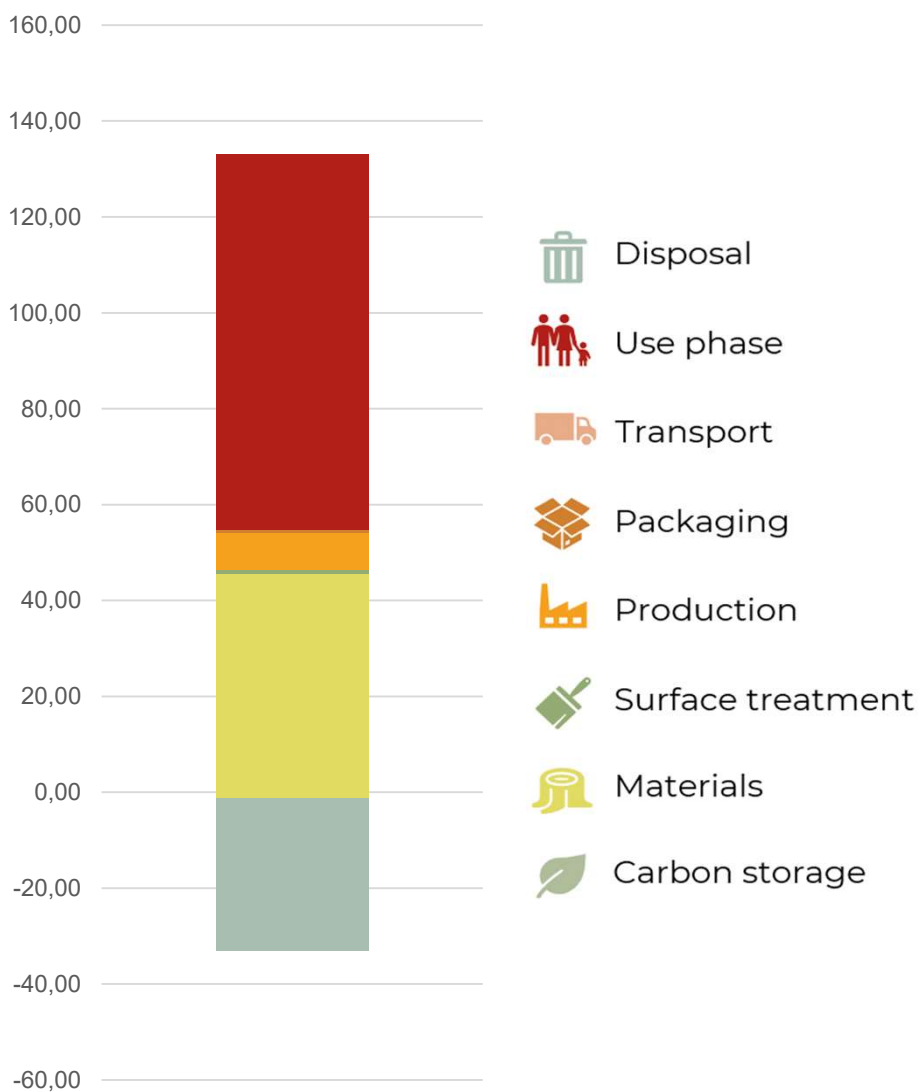
24 KG CO2-e

Production of the product and use stage

Total climate emission:

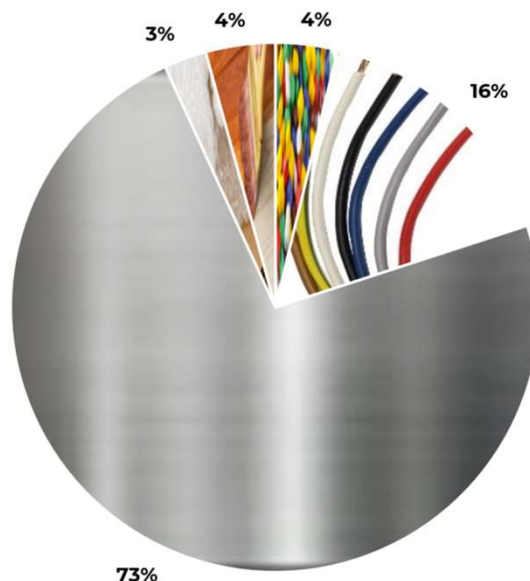
110 KG CO2-e

Carbon stages



Main emission sources (pr material group)*

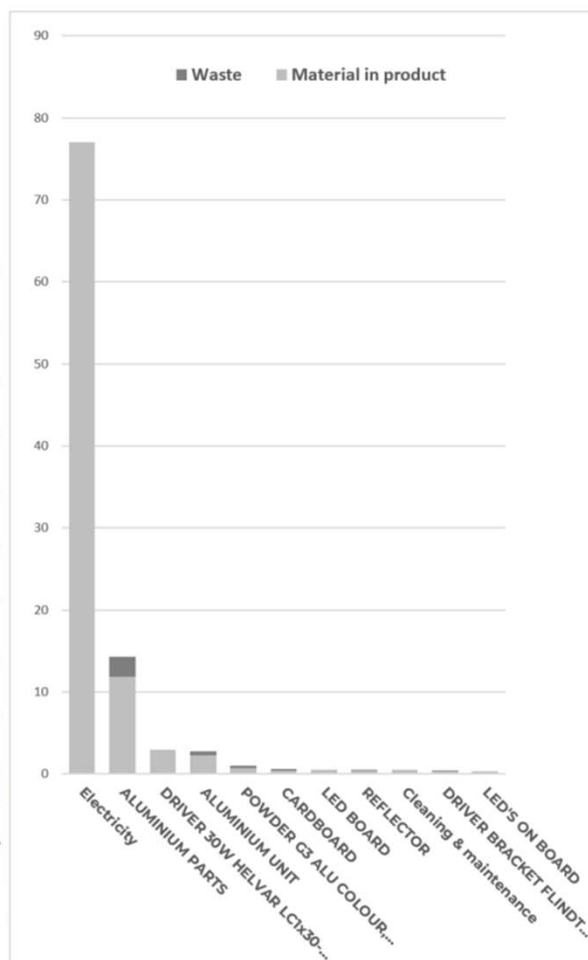
Group	Total impact
Solid Wood	0,00 kg CO2-e
Plastic	0,91 kg CO2-e
Cover	0,00 kg CO2-e
Standard Components	0,00 kg CO2-e
Electronics	3,90 kg CO2-e
Metal	17,58 kg CO2-e
Packaging	0,62 kg CO2-e
Upholstery	0,00 kg CO2-e
Wood Based Board	0,00 kg CO2-e
Surface Finish & Chemicals	1,02 kg CO2-e
Glass / Stone / 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
ALUMINIUM PARTS	Alu. cast	14,27 kg CO2-e
DRIVER 30W HELVAR LC1x30-E-DA	Power supply with cables + connectors kg	2,96 kg CO2-e
ALUMINIUM UNIT	Alu. cast	2,73 kg CO2-e
POWDER G3 ALU COLOUR, STRUC. (I62)	Or kg powder consumed	1,02 kg CO2-e
CARDBOARD	Corrugated cardboard box, no print	0,58 kg CO2-e
LED BOARD	Electronic board many small holes cm2	0,54 kg CO2-e
REFLECTOR	PC, molded	0,52 kg CO2-e
Cleaning & maintenance	Cleaning, maintenance & Product Loss	0,49 kg CO2-e
DRIVER BRACKET FLINDT WALL Ø300	Alu. Machined	0,45 kg CO2-e
LED'S ON BOARD	LED 3,5x3,5x2m pcs	0,33 kg CO2-e
Total impact from Waste		3,62 kg CO2-e



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