

louis poulsen



Environmental Product Specifications

— Skot Bollard

Product description

- With an opal screen the fixture emits soft comfortable and symmetric light.
- With a clear, half shaded screen the fixture emits non-glare symmetric light directed downwards.
- The half shade helps to channel the light.
- The post is delivered in the same colour as the fixture head.
- Post supplied without anchor bolts. Anchor bolts to be sourced locally.
- Double bollard: Fixture head, U-post and mounting plate are to be ordered separately. Single bollard: Fixture head, U-post and cover plate are to be ordered separately.
- The innovation of the LED technology is constant. The specifications mentioned are based on present technology. Please contact Louis Poulsen for 2700K and LED Replacement Kit.



Product info

Mounting

Terminal block positioning: In fixture head.
Looping: Approved, max 4x2,5mm². Ballast positioning: In fixture head. Max. installation cable: 1 pcs. 4x2,5mm² or 2 pcs. 4x1,5mm². U-shaped post for in-ground installation: Height including fixture: 1438mm, including 600mm below ground. U-shaped post with base plate for surface mounting: Height including fixture: 838mm. With one fixture installed the depth is: 220mm, with 2 fixtures (dual installation): 331mm.

Finish

Aluminium coloured or graphite with textured surface, powder coated.

Light source

LED 3000K 6.5W, Lumen: 505.

Sizes and weights

Width x Height x Length (mm)
316 x 838 x 220 Max 3.0 kg

Class

Ingress protection IP66. Electric shock protection II w/o ground. IK10.

Product family



Product variants

Colour	Light source	Lumen	Shield
Aluminium colour Graphite grey texture	LED 3000K 6.5W	381	CLEAR
	LED 4000K 6.5W	388	HALF SHADED CLEAR
		505	HALF SHADED OPAL
		514	OPAL
		522	
		530	
		660	
		671	

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 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	Die-casted aluminium	DK - Denmark	14,6%
A	Painting	Powder coating	DE - Germany	0,0%
A	Painting	Powder coating	GB - United Kingdom	2,9%
B	Component bracket	Aluzinc	DK - Denmark	0,8%
C	Machined aluminium parts	Machined aluminium	DK - Denmark	51,8%
D	Spacer, washer, nuts and screws	Stainless steel	CN - China	2,6%
E	Earth anchor	Steel sheet	DK - Denmark	6,2%
F	Driver	Variety of components	NL - Netherlands	0,7%
G	Electrical wiring	Variety of components	IT - Italy	0,5%
H	LED	Variety of components	JP - Japan	0,9%
I	Silicone tube	Silicone	IT - Italy	0,0%
J	Gasket	EPDM	CN - China	0,5%
K	Plastic parts	PC	DK - Denmark	1,4%
L	Plastic parts	PA	DE - Germany	1,0%
M	LED diffusor	PMMA	DK - Denmark	0,3%
N	Plastic parts	EPDM	SE - Sweden	0,2%
O	Rubber washer	SBR	CN - China	0,2%
P	Hexagon key	Stainless steel	DE - Germany	0,2%
Q	6KT key	Stainless steel	CN - China	0,1%
R	Instructions and labels	Paper	DK - Denmark	0,3%
S	Packaging	Corrugated cardboard	DK - Denmark	4,8%
T	Packaging	Corrugated cardboard	DK - Denmark	9,1%
U	Plastic bags	LDPE	LT - Lithuania	0,8%
				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

1.200 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:

SKOT BOLLARD, ALUMINIUM COLOURED, LED 3000K 6.5W

Production of the product

Average climate emission:

20 KG CO2-e

Lower boundary: -33 CO2-e

Upper boundary: 240 CO2-e

Production of the product and use stage

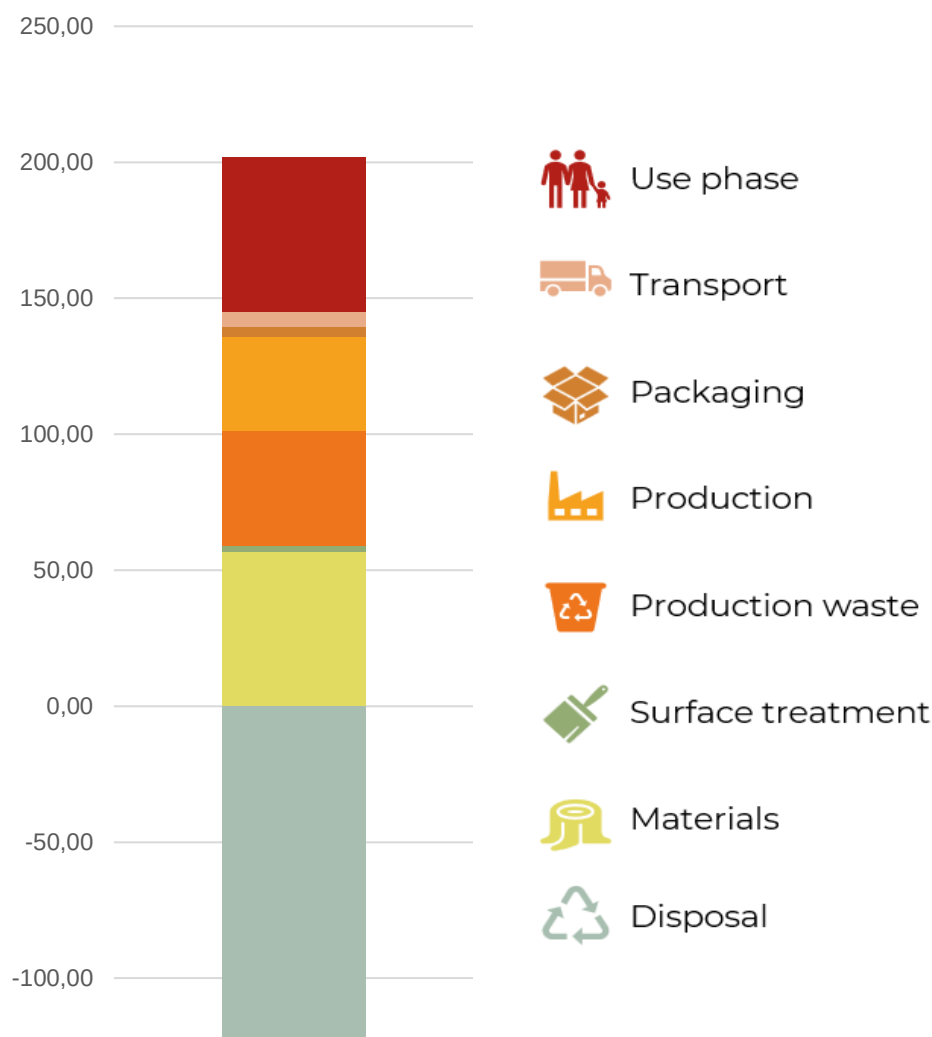
Average climate emission:

75 KG CO2-e

Lower boundary: 23 CO2-e

Upper boundary: 300 CO2-e

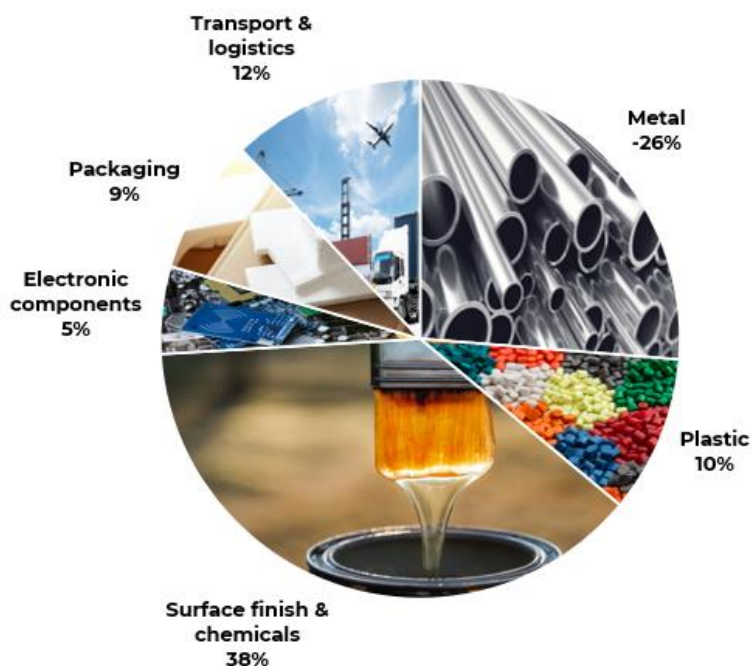
Carbon stages



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)*

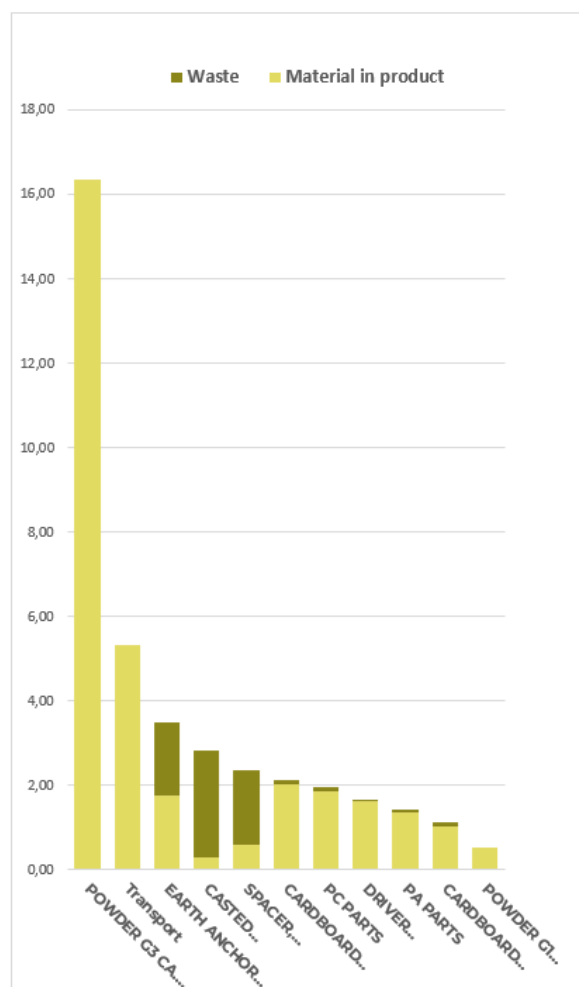
Group	Total impact		
Solid Wood	0,00	kg CO2-e	0,0%
Wood based board	0,00	kg CO2-e	0,0%
Metal	-11,65	kg CO2-e	-55,4%
Plastic	4,34	kg CO2-e	20,6%
Glass / Stone / Ceramics	0,00	kg CO2-e	0,0%
Surface finish & chemicals	16,86	kg CO2-e	80,1%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,00	kg CO2-e	0,0%
Electronic components	2,41	kg CO2-e	11,5%
Packaging	3,75	kg CO2-e	17,8%
Transport & logistics	5,34	kg CO2-e	25,4%



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
POWDER G3 CA. RAL 9006 METALLIC (168)	Or kg powder consumed	16,33 kg CO2-e
Transport	Total emission from transport - all steps	5,32 kg CO2-e
EARTH ANCHOR WITH SCREWS POLE SKOT	Steel bracket/bent steel sheet	3,48 kg CO2-e
CASTED ALUMINIUM PARTS	Alu. cast	2,82 kg CO2-e
SPACER, WASHER, NUTS & SCREWS	Stainless steel screws/bolts	2,37 kg CO2-e
CARDBOARD BOX & INSERTS	Corrugated cardboard box printed sustainable fiber	2,13 kg CO2-e
PC PARTS	Polycarbonate PC	1,95 kg CO2-e
DRIVER FULHAM 12W L05020-1248200 150/200	Power supply with cables + connectors	1,64 kg CO2-e
PA PARTS	Polyamide (PA6)	1,42 kg CO2-e
CARDBOARD BOX & INSERTS	Corrugated cardboard box printed sustainable fiber	1,12 kg CO2-e
POWDER G1 WHITE CA. RAL	Or kg powder consumed	0,52 kg CO2-e



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