

**louis
poulsen**

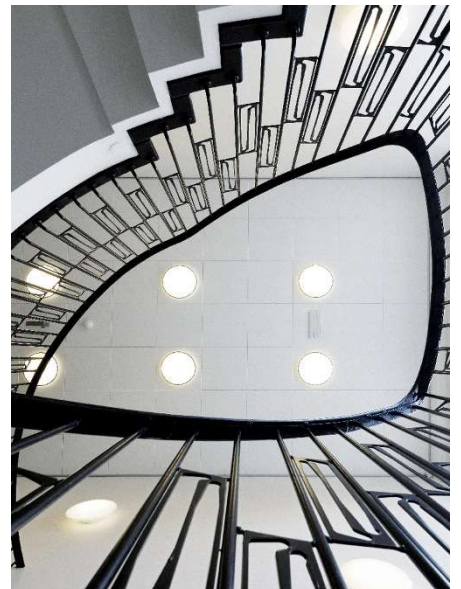
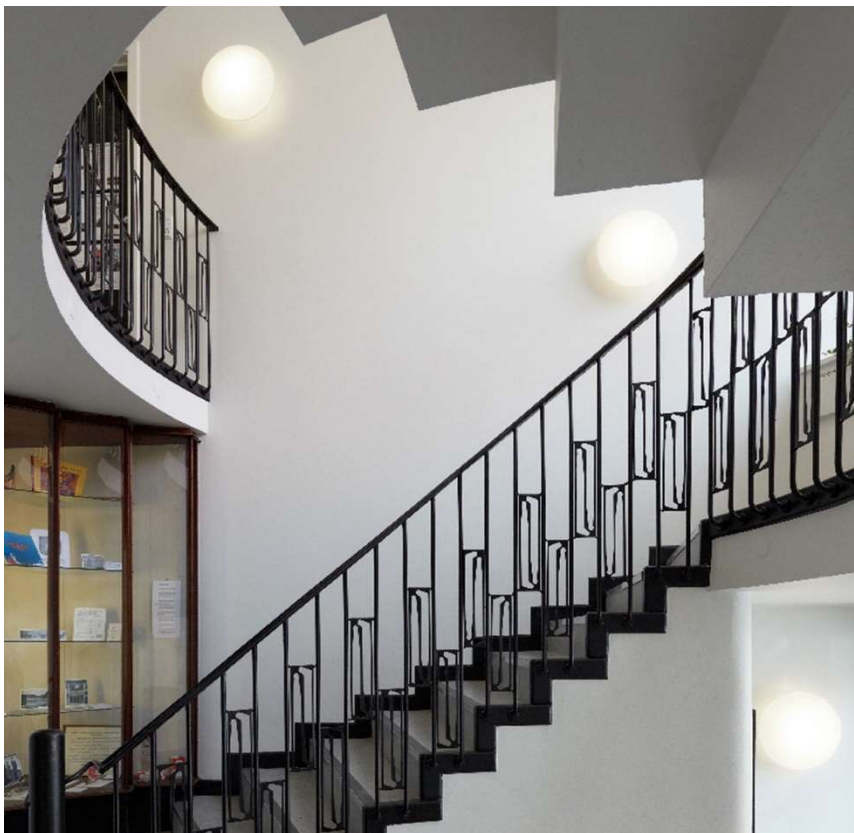


Environmental Product Specifications

— AJ Eklipta

Product description

- Circular surface mounted product.
- Iconic design.
- Family with three dimensions.
- High quality finish 3-layer mouth blown glass.
- Simple installation in stamped or cast aluminium housing.
- Thump screws and nut easily secure glass to housing.
- Outer diameter of housing kept throughout luminaire history allowing for change from earlier versions of the product to latest LED version.



Product info

Mounting

Terminal block: Ø 220: 3x2,5mm², Ø 350/Ø 450: 5x2,5mm². Looping: Approved, Ø 220: Max. 3x1,5mm², Ø 350mm/Ø 450: Max. 5x1,5mm². Ballast positioning: In ceiling/wall box.

Finish

White, powder coated. White opal glass.

Light source

Depends on variant.

Sizes and weights

Width x Height x Length (mm)
220 x 105 x 220 Max 0.6 kg
350 x 100 x 350 Max 3.6 kg
450 x 100 x 450 Max 6.2 kg

Class

Ingress protection. LED ceiling/wall: IP20. Ø220: IP20. E27 Ø350/450 Ceiling: IP20. E27 Ø350/450 Wall: IP44. Electric shock protection I w. ground.

Product family



AJ Eklipta



AJ Eklipta

Product variants

Dimension	Light source	Lumen	Body	Lighting control
Ø 220	1x33W QT-ax 14 G9	-	BOX W/O SIDE CABLE HOLES	-
Ø 350	1x60W E27	1770	BOX W/SIDE CABLE HOLES	Dali
Ø 450	LED 2700K 7.8W	324		
	LED 3000K 23W	334		
	LED 3000K 7.6W	657		
	LED 3000K 8.8W			

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)
A	Aluminium parts	Machined aluminium	DK - Denmark	12,0%
A	Painting	Powder coating	DE – Germany	4,5%
B	Stainless steel parts	Machined stainless steel	CN – China	0,4%
C	Screws	Stainless steel	DE – Germany	0,1%
D	Screws	Stainless steel	CN – China	1,2%
E	Plastic parts	EPDM	DK – Denmark	0,2%
F	Plastic parts	PA	GB – United Kingdom	1,7%
G	Terminal	Variety of components	SE – Sweden	0,2%
H	Cable binder	PA	CN – China	0,1%
I	Electrical wiring	Variety of components	IT – Italy	0,6%
J	Glass	Glass	SI – Slovenia	69,0%
K	Socket	Porcelain	DE – Germany	1,6%
L	Instructions and labels	Paper	DK – Denmark	0,4%
M	Packaging	Corrugated cardboard	DK – Denmark	7,7%
N	Plastic bag	LDPE	DE – Germany	0,1%
O	Plastic bag	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

1.200 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:

AJ Eklipta, Ø350, 1x60W E27.

Production of the product

Average climate emission:

70 KG CO2-e

Lower boundary: 65 CO2-e

Upper boundary: 110 CO2-e

Production of the product and use stage

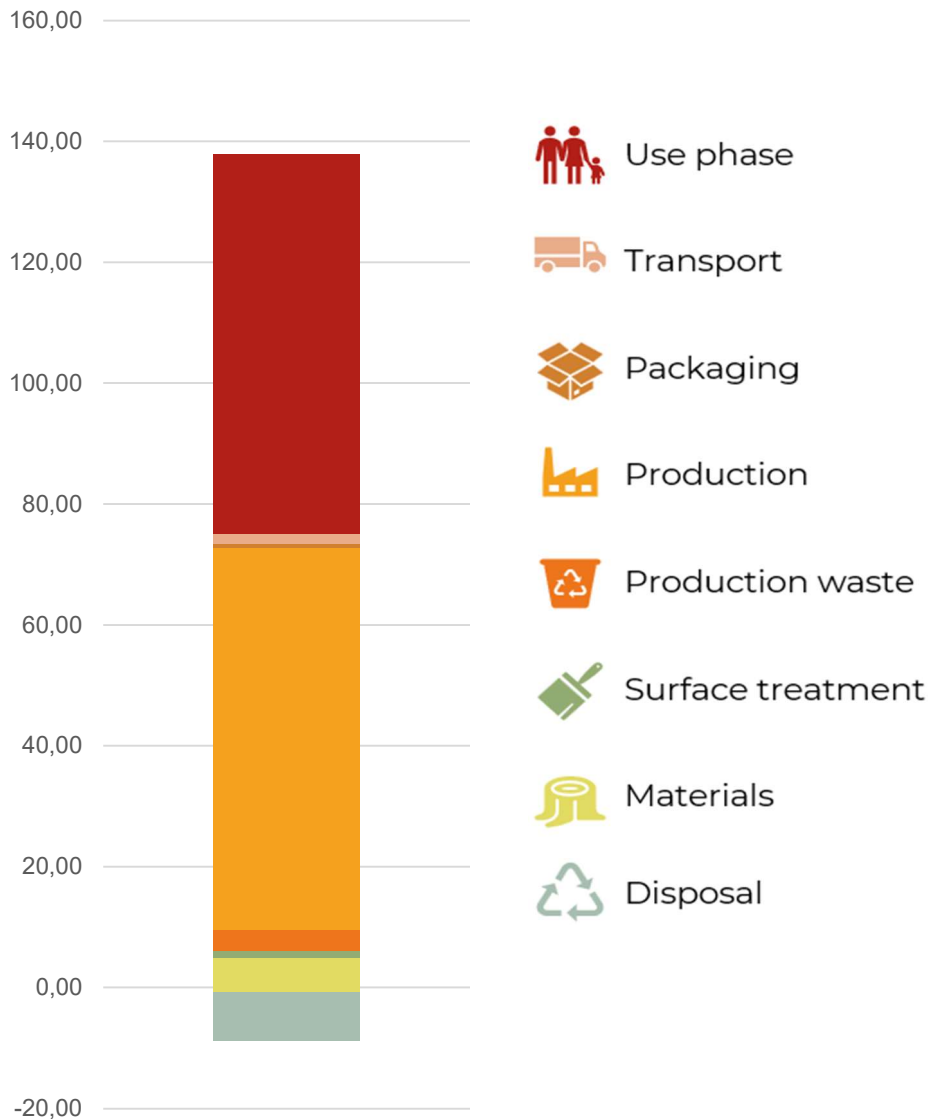
Average climate emission:

130 KG CO2-e

Lower boundary: 120 CO2-e

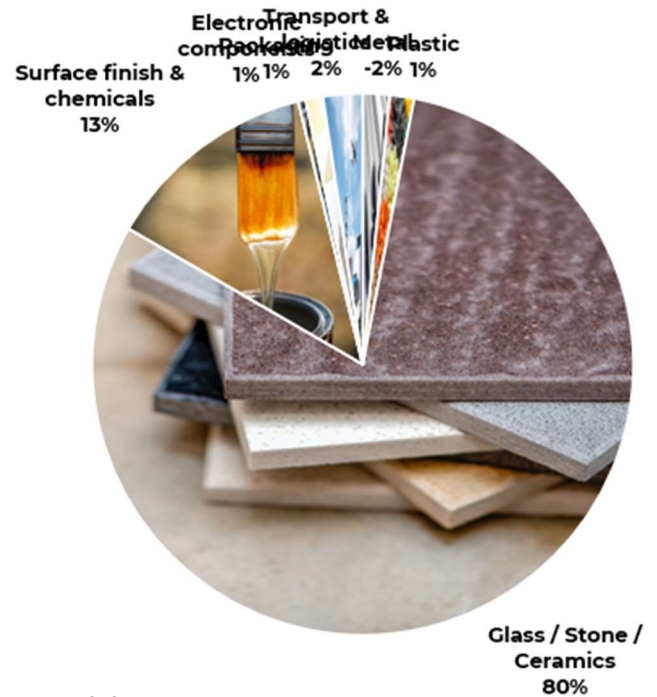
Upper boundary: 170 CO2-e

Carbon stages



Main emission sources (pr material group)*

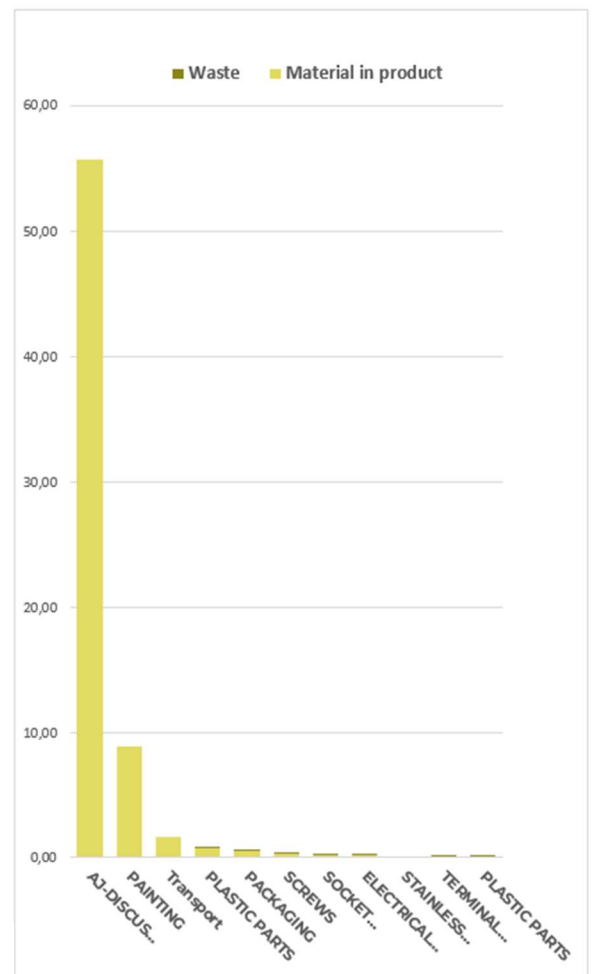
Group	Total impact	
Solid Wood	0,00 kg CO2-e	0,0%
Wood based board	0,00 kg CO2-e	0,0%
Metal	-1,12 kg CO2-e	-1,7%
Plastic	1,00 kg CO2-e	1,5%
Glass / Stone / Ceramics	55,68 kg CO2-e	83,0%
Surface finish & chemicals	8,88 kg CO2-e	13,2%
Upholstery	0,00 kg CO2-e	0,0%
Cover	0,00 kg CO2-e	0,0%
Electronic components	0,31 kg CO2-e	0,5%
Packaging	0,72 kg CO2-e	1,1%
Transport & logistics	1,63 kg CO2-e	2,4%



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
AJ-DISCUS GLASS Ø350	Virgin glass hand made	55,68 kg CO2-e
PAINTING	Or kg powder consumed	8,88 kg CO2-e
Transport	Total emission from transport - all steps	1,61 kg CO2-e
PLASTIC PARTS	EPDM rubber BMC	0,81 kg CO2-e
PACKAGING	Corrugated cardboard box printed sustainable fiber	0,63 kg CO2-e
SCREWS	Stainless steel screws/bolts	0,37 kg CO2-e
SOCKET VOSSLOH E27 T270 W/SPRING POR WHT	Light bulb socket ceramic	0,16 kg CO2-e
ELECTRICAL WIRING	Electric cable (PVC)	0,15 kg CO2-e
STAINLESS STEEL PARTS	Stainless steel machined	0,14 kg CO2-e
TERMINAL HELAG HE4HN 3-POL W/F ^	Polyamide (PA6)	0,10 kg CO2-e
PLASTIC PARTS	EPDM rubber BMC	0,07 kg CO2-e



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