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Environmental Product Specifications

— Homann Park

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Product description

– The circular product is a wide family of variants.

– Minimalistic slim design.

– Four different mounting options; Recessed, Semi-recessed, surface/wall and suspended, three dimensions.

– A range of standard colour options

– On semi-recessed version optional "hairline" of light between luminaire and ceiling.

– Indirect light component on surface.

– Recessed unique designed for and simple installations on ceiling thickness up to 60mm.

– On recessed variants bayonet clips secure fixture into frame with spring lock easy to maintain.

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Product info

Mounting

Pole dimension: Ø 60 mm.

Transition piece available for:
Pole Ø 76 mm and Ø 115 mm

Installation cable:
4m 5x1mm² (Class I) or 4m 4x1 mm² (Class II).

Finish

Aluminum colored with textured surface, powder coated.

Light source

LED

Sizes and weights

Width x Height x Length (mm)

392 x 100 x 567 Max 7.3 kg

Class

Ingress protection IP66.

Electric shock protection:
I w. ground, II w/o ground.

IK10.

Product variants

Light source	Lumen	Class	Light technique	Shade	Lighting control
LED 3000K 17W	1742	I	ASYM 2H	No Uplight	Dali + clo dac hi
LED 3000K 33W	1746	II	SYMMETRIC 5F	Uplight	Dali + clo dac li
LED 4000K 17W	1751				Nightdim + clo dpc hi
LED 4000K 33W	1866				Nightdim + clo dpc li
	1871				Sr 2xzhaga ct clo hi
	1876				
	3143				
	3145				
	3148				
	3153				
	3368				
	3370				
	3373				

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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 EPS foam. 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 for some of the parts is sourced from min. 90% recycled aluminium.

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:

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Material list

Positions number	Part description	Included substances and materials	Country of origin	Weight% (of the entire product)
A	Aluminium parts	Die-casted aluminium parts	DK - Denmark	36,8%
A	Painting	Powder coating	DE - Germany	1,4%
B	Aluminium parts	Die-casted aluminium parts	CN - China	18,4%
C	Plastic parts	Plastic - PMMA	DK - Denmark	10,0%
D	Gasket	Plastic - EPDM	DK - Denmark	0,9%
E	Gasket	Plastic - Silicone	IT - Italy	0,3%
F	Steel screws, bolts and nuts	Stainless steel	CN - China	2,4%
G	Cable	Rubber and copper	IT - Italy	6,6%
H	Shade	Plastic - PC	DK - Denmark	4,2%
I	LED plate	Aluminium sheet	DK - Denmark	3,5%
J	Driver plate	Variety of components	DK - Denmark	3,4%
K	Driver	Variety of components	CN - China	3,1%
L	Plastic parts	Plastic - PA	DE - Germany	0,6%
M	Wires	Silicon and copper	IT - Italy	0,2%
N	LED board	Variety of components	KR - Korea	1,8%
O	Washer	Plastic – PE	CN - China	0,1%
P	Packaging	EPS foam	DK - Denmark	5,6%
Q	Plastic bag	Plastic - LDPE	LT - Lithuania	0,5%
R	Instruction and labels	Paper	DK - Denmark	0,1%
				100%

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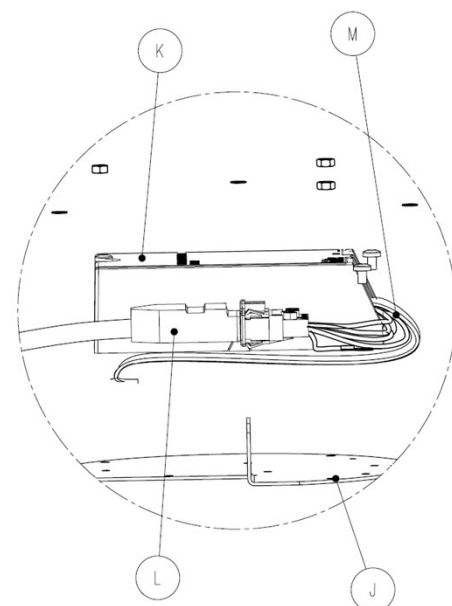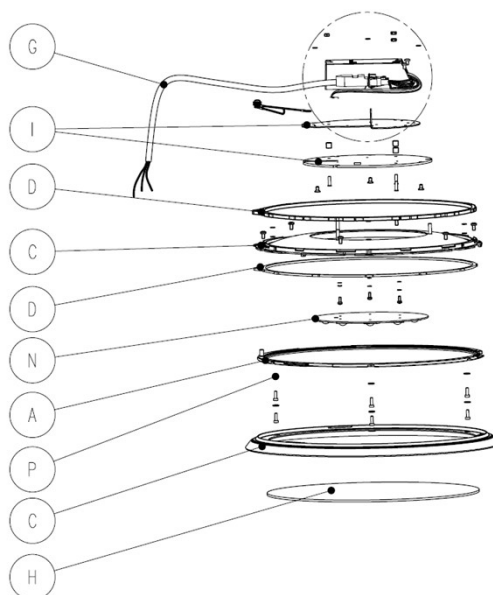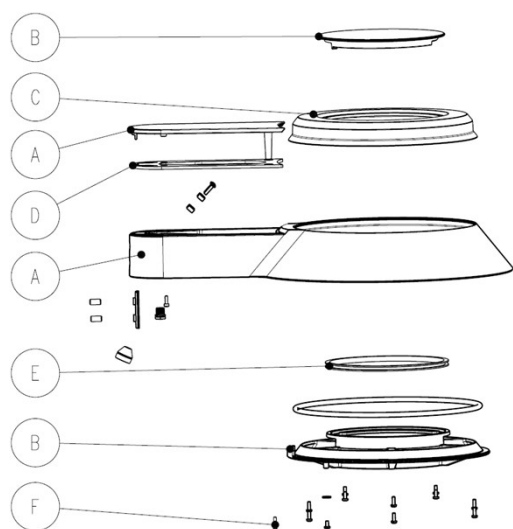
Life Cycle Screening

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.

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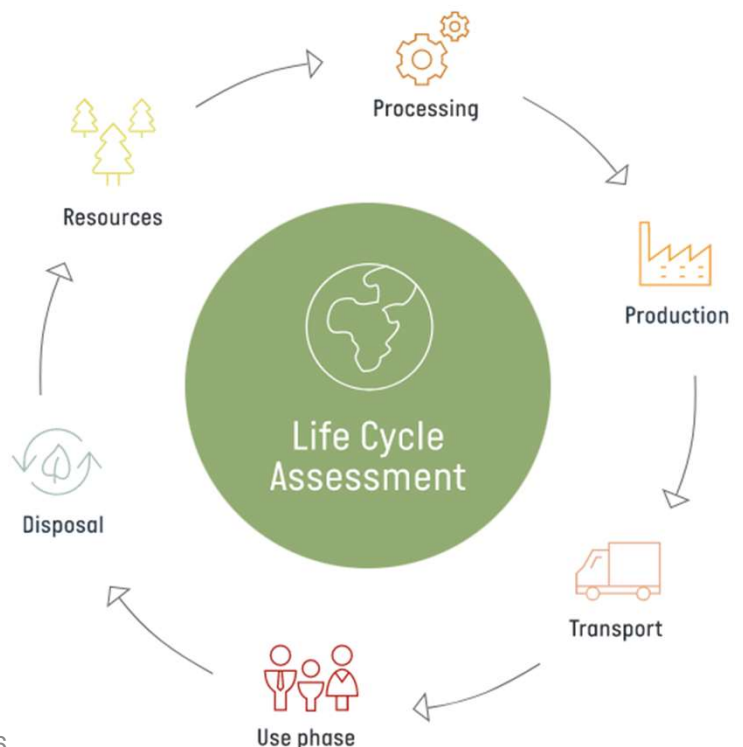
Life Cycle Screening results

Product that has been calculated as a reference for the product family:

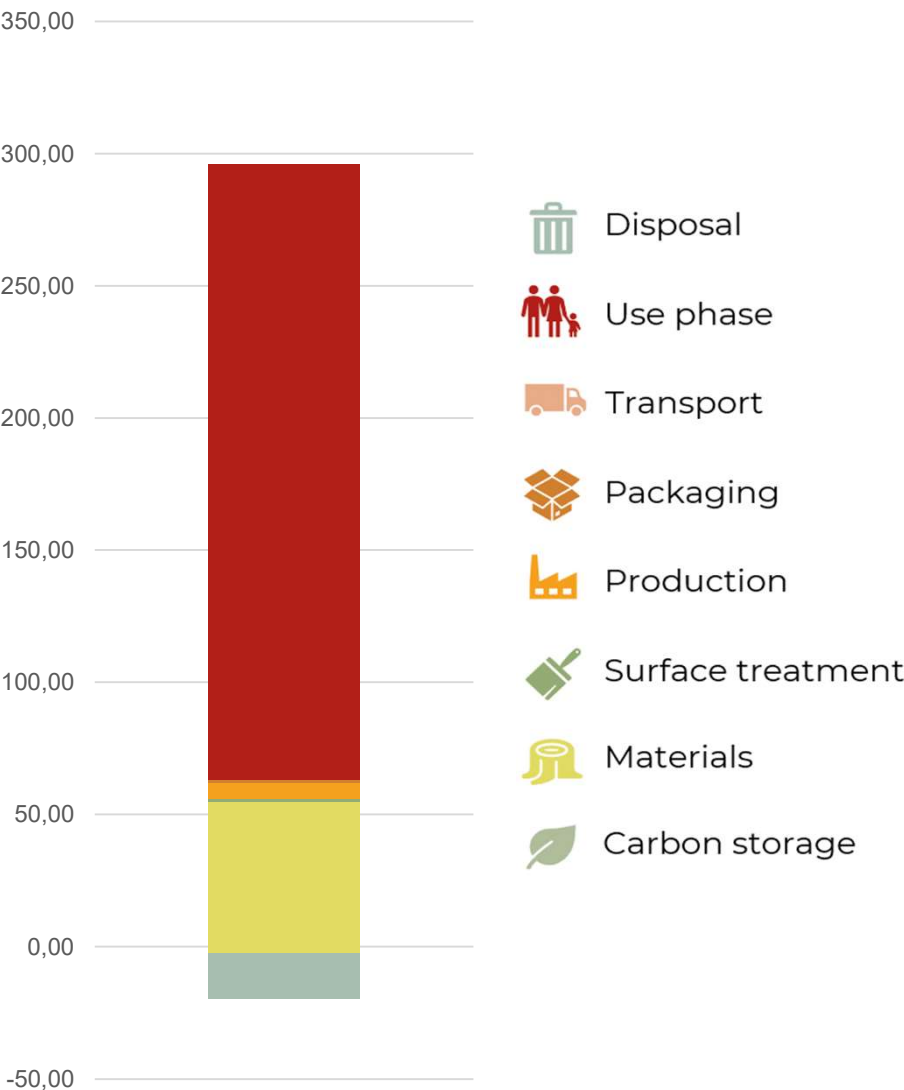Homann Park, LED-DAC LI 3K, uplight, 17 Watt.

Production of the product	**Production of the product and use stage**
Total climate emission:	Total climate emission:
46 KG CO2-e	280 KG CO2-e

Carbon stages

- Disposal
- Use phase
- Transport
- Packaging
- Production
- Surface treatment
- Materials
- Carbon storage

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Main emission sources *(pr material group)**

Group	Total impact
Solid Wood	**0,00** *kg CO2-e*
Plastic	**8,67** *kg CO2-e*
Cover	**0,00** *kg CO2-e*
Standard Components	**0,00** *kg CO2-e*
Electronics	**24,46** *kg CO2-e*
Metal	**10,17** *kg CO2-e*
Packaging	**0,70** *kg CO2-e*
Upholstery	**0,00** *kg CO2-e*
Wood Based Board	**0,00** *kg CO2-e*
Surface Finish & Chemicals	**1,79** *kg CO2-e*
Glass / Stone / Ceramics	**0,00** *kg CO2-e*
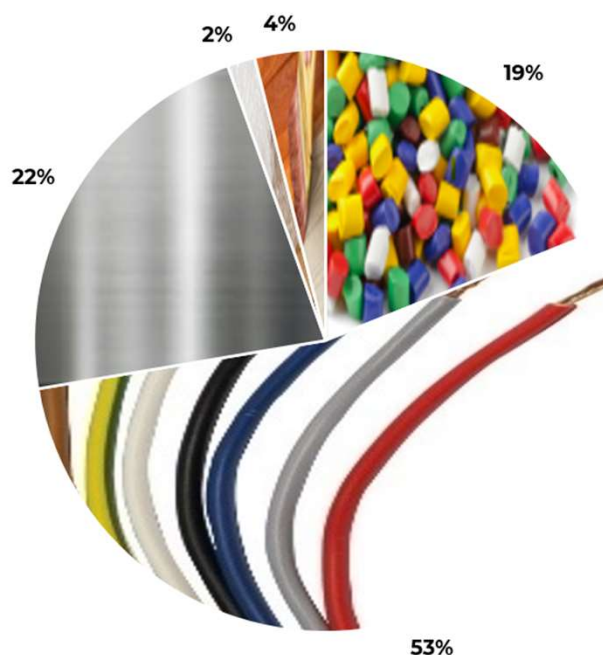
The values presented here represent total emissions per material group (incl. material, production, transport, waste, CO2e uptake)

Main emission sources *(pr element)**

Element	Material	Total impact
Electricity	0	**230,61** *kg CO2-e*
LED board	Electronic board few holes cm2	**18,55** *kg CO2-e*
Frame	Alu. cast	**9,33** *kg CO2-e*
Plastic part 1	Acrylic (PMMA), molded	**8,23** *kg CO2-e*
Driver	Power supply with cables + connectors kg	**2,98** *kg CO2-e*
LED´s for LED board	LED 3,5x3,5x2m pcs	**2,77** *kg CO2-e*
Powder coating	Or kg powder consumed	**1,75** *kg CO2-e*
Cleaning & maintenance	Cleaning, maintenance & Product Loss	**0,94** *kg CO2-e*
Driver plate	Steel bracket/bent steel sheet	**0,79** *kg CO2-e*
cardboard	Corrugated cardboard box, no print	**0,68** *kg CO2-e*
Plastic part 2	Polyamide (PA6), molded	**0,44** *kg CO2-e*
Total impact from Waste		**3,92** *kg CO2-e*
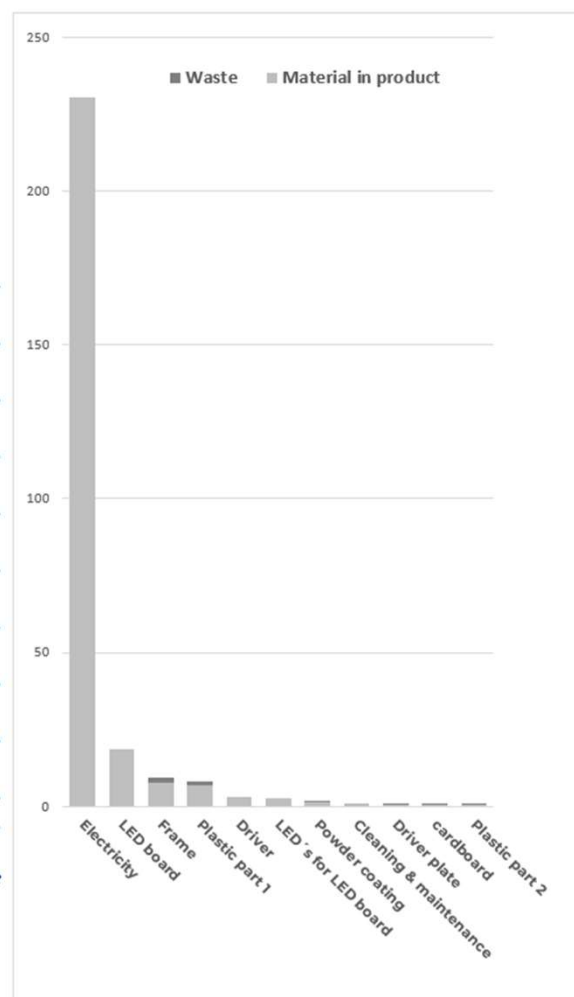
The values presented here represent total emissions per element (incl. material, production, transport, waste, CO2e uptake)