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Environmental Product Specifications

— LP Nest

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Product description

– The fixture emits an indirect, soft and symmetrical light. Reflections in the "lattice" create an attractive play of light within the fixture..

– Mounting for pole Ø 115.

– For LED replacement kit please do contact Louis Poulsen.

– Dimming options CLO, and night time dimming (default setting: 50% power in 8 hours).

– All variants available with Zhaga socket for Smart City compatibility.

– Including CLO and night time dimming options.

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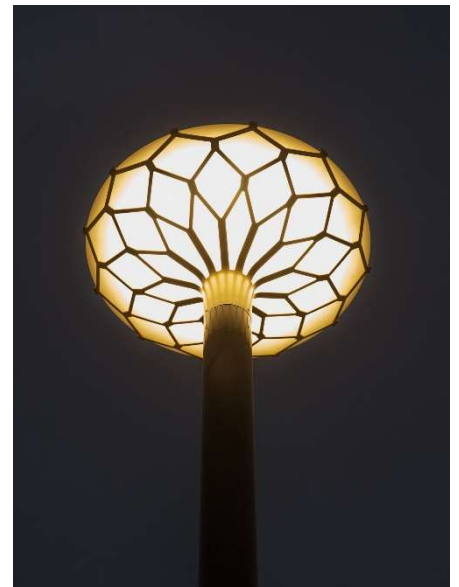
Product info

Mounting

Pole dimension: Ø 115mm Installation cable: 5m, 5x1mm2 (Class I) or 5m, 4x1mm2 (Class II). Driver: Location in the post top.

Finish

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

Light source

LED 3000K 34W, Lumen: 2842

Sizes and weights

Width x Height x Length (mm)
750 x 330 x 750 Max 12.1 kg

Class

Ingress protection IP66. Electric shock protection I w. ground, II w/o ground. IK09.

Product variants

Colour	Light source	Lumen	Class	Lighting control
Aluminium colour texture	LED 3000K 34W	2607	I	Dali + clo dac
Graphite grey texture	LED 4000K 34W	2674	II	Nightdim + clo dpc
		2842		Sr 2xzhaga ct
		2915		

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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 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. 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	Head raw	Die-casted aluminium	SE – Sweden	22,0%
A	Painting	Powder coating	DE – Germany	0,6%
B	Roof LP nest	Machined aluminium	DK – Denmark	17,0%
B	Painting	Powder coating	DE – Germany	1,1%
C	Glass LP nest	Borosilicate glass	IT – Italy	1,8%
D	Gasket ring LP nest	Stainless steel	CN – China	0,2%
E	Screws and washers	Stainless steel	CN – China	1,4%
F	LED board	Variety of components	CN – China	0,0%
G	Plastic parts	EPDM	DK – Denmark	0,1%
H	Screws	Stainless steel	TW – Taiwan	0,6%
I	Pole top raw LP nest	Die-casted aluminium	TW – Taiwan	5,9%
I	Painting	Poweder coating	CH – Switzerland	0,0%
J	Aluzinc parts	Aluzinc	DK – Denmark	5,2%
K	Cords and wires	Variety of components	IT – Italy	4,6%
L	Plastic parts	PA	DK – Denmark	0,1%
M	Plastic parts	Silicone	DK – Denmark	0,3%
N	Encolure	ABS	DK – Denmark	1,0%
O	Driver	Variety of components	US – United States	1,5%
P	Plastic parts	PA	IT – Italy	0,7%
Q	LP nest LED base	Machined aluminium	DK – Denmark	12,8%
R	Labels and instructions	Paper	DK – Denmark	0,1%
S	Packaging	Corrugated cardboard	PL – Poland	15,9%
T	Inserts	Corrugated cardboard	DK – Denmark	5,2%
U	Plastic bag	LDPE	LT – Lithuania	2,0%
				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:

LP Nest, LED 3000K, 34W.

Production of the product
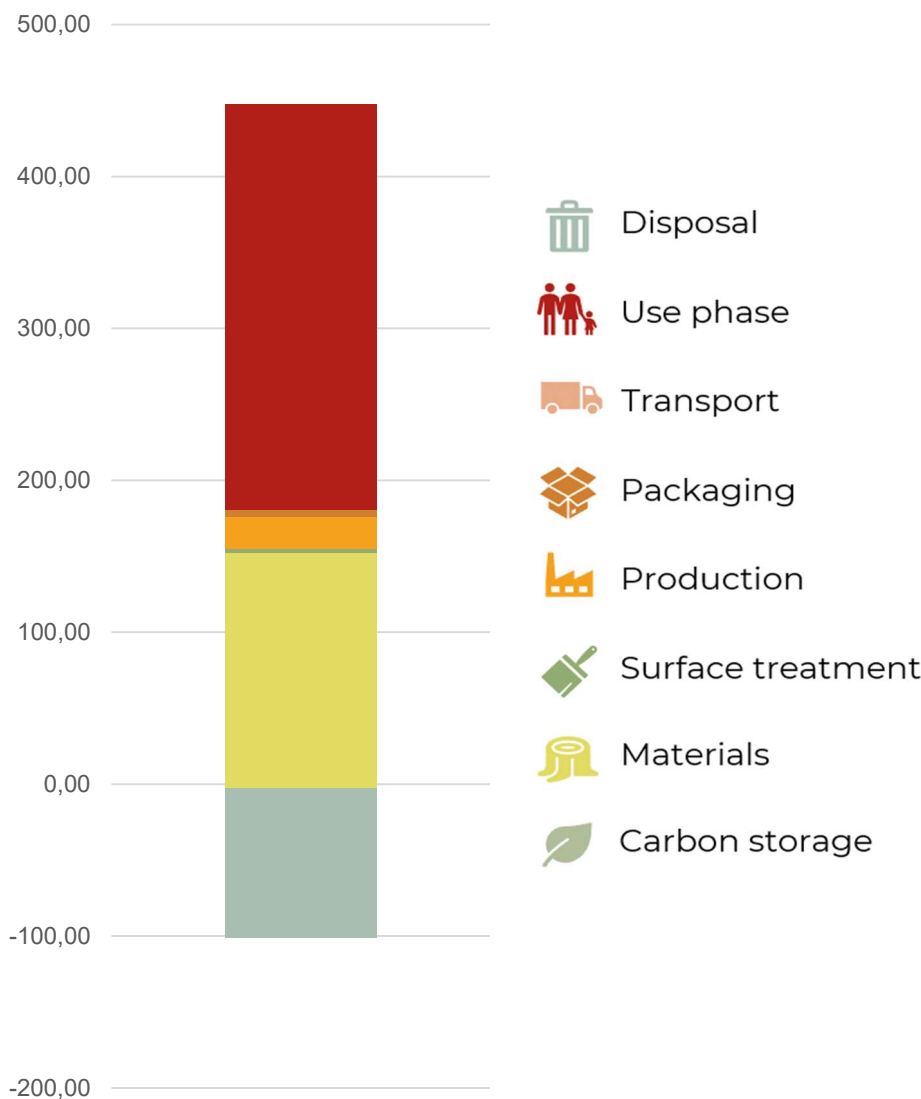
Total climate emission:

90 KG CO2-e

**Production of the product and use stage**

Total climate emission:

350 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	**3,43** kg CO2-e
Cover	**0,00** kg CO2-e
Standard Components	**0,00** kg CO2-e
Electronics	**9,33** kg CO2-e
Metal	**59,15** kg CO2-e
Packaging	**4,69** kg CO2-e
Upholstery	**0,00** kg CO2-e
Wood Based Board	**0,00** kg CO2-e
Surface Finish & Chemicals	**7,87** kg CO2-e
Glass / Stone / Ceramics	**4,02** kg CO2-e
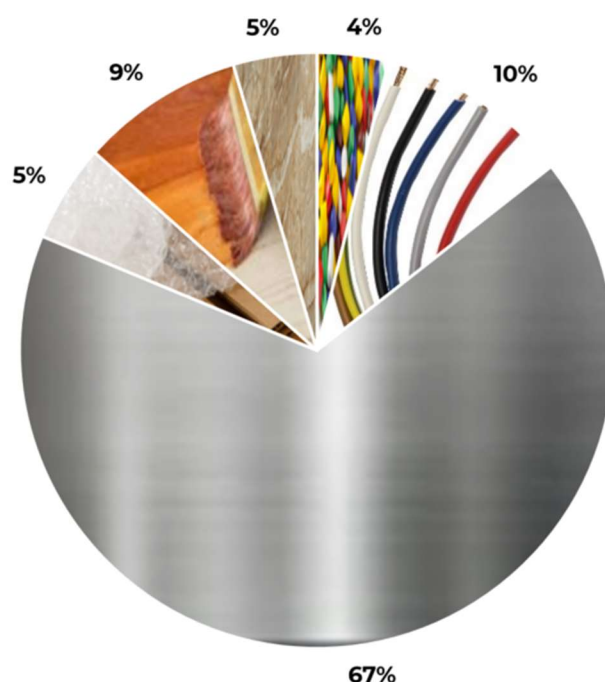
The values presented here represent total emissions per material group (incl. material, production, transport, waste, CO2e uptake)

Main emission sources *(pr element)**

Element	Material	Total impact
Electricity	O	**261,86** kg CO2-e
ROOF LP NEST	Alu. sheet, punched	**18,02** kg CO2-e
POLE TOP RAW LP NEST	Alu. cast	**15,93** kg CO2-e
HEAD RAW LP NEST	Alu. cast	**9,92** kg CO2-e
LP NEST LED BASE V3	Alu. Machined	**8,30** kg CO2-e
ALUZINC PARTS	Alu. sheet, punched	**5,47** kg CO2-e
DRIV TRID LCO 40W 200–1050mA 64V o4a NFC	Power supply with cables + connectors kg	**5,18** kg CO2-e
POWDER G1 WHITE CA. RAL 9016 GL.25 (035)	Or kg powder consumed	**5,14** kg CO2-e
GLASS LP NEST	Virgin glass hand made kg	**4,02** kg CO2-e
CORDS & WIRES	Electric cable kg	**3,10** kg CO2-e
CARD.BOX 775X775X480	Corrugated cardboard box, no	**2,87** kg CO2-e
Total impact from Waste		**20,30** kg CO2-e
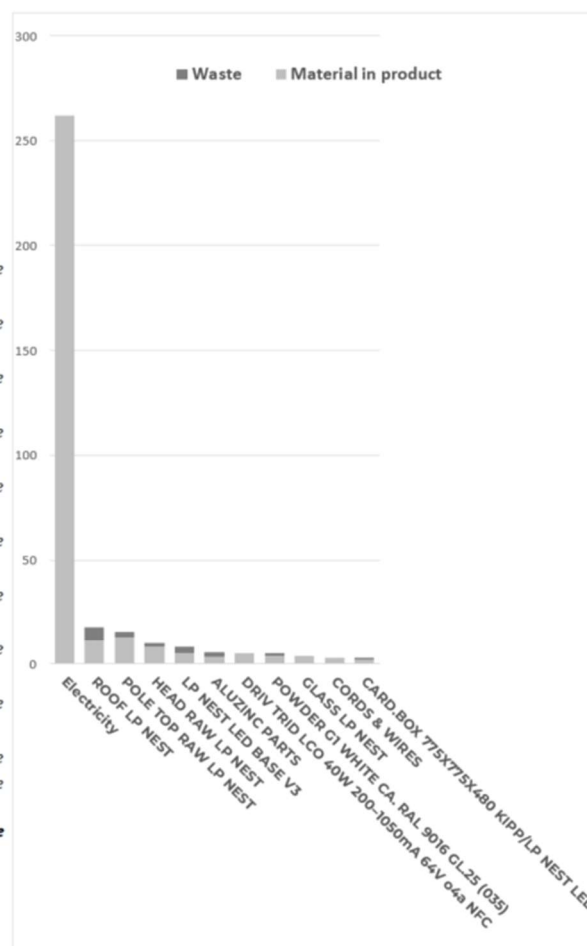
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