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Environmental Product Specifications

— LP Xperi

Product description

– The fixture provides direct downward illumination and is self-illuminating.

– The fixture is available in two variants – round symmetrical and asymmetrical light distribution.

– Surge protection device (SPD) not included, but available on request.

– LED replacement kit available.

– Dimming options: DALI, 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 60mm or Ø 76mm. Transition piece available for pole Ø 115mm. Installation cable: 9m 5x1,5mm² DAC (Class I), 9m 4x1,5mm² DAC (Class II), 9m 3x1,5mm² DPC (Class I), 9m 4x1,5mm² DPC (Class II). Terminal block: 1x5x2.5mm² (Class I) or 1x4x2.5mm² (Class II). Terminal block positioning: In fixture head. LED Driver: In fixture head.

Finish

Aluminium coloured with textured surface, powder coated.

Light source

LED 3000K 33W, Lumen: 3567

Sizes and weights

Width x Height x Length (mm)
350 x 105 x 756 Max 10.4 kg

Class

Electric shock protection I w. ground, II w/o ground. IK class 10. IP class 66.

Product variants

Mounting	Light source	Lumen	Class	Light technique	Lighting control
Ø 60 pole	LED 3000K 33W	3520	I	ASY2	Dali + clo dac hi
Ø 76 pole	LED 3000K 66W	3547	II	ASY2 NO UPLIGHT	Dali + clo dac li
	LED 4000K 33W	3562		ASYD	Nightdim + clo dpc hi
	LED 4000K 66W	3567		ASYD NO UPLIGHT	Nightdim + clo dpc li
		3684			Sr zhaga ct clo hi
		3711			
		3727			
		3732			
		6353			
		6421			
		6422			
		6472			
		6644			
		6719			
		6720			
		6773			

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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:

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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	DK - Denmark	59,0%
A	Painting	Powder coating	DE – Germany	2,3%
B	Plastic parts	EPDM	DK – Denmark	0,9%
C	Screws and washers	Stainless steel	CN – China	0,8%
D	LED Shade	PC	DK – Denmark	1,8%
E	Plate	Aluzinc	DK – Denmark	2,4%
F	Screw	Stainless steel	TW – Taiwan	0,3%
G	Driver	Variety of components	US – United States	5,5%
H	Threaded plate	Stainless steel	CN – China	0,3%
I	Stuffing box	EPDM	SE – Sweden	0,1%
J	Plastic parts	PA	DK – Denmark	0,1%
K	LED Board	Variety of components	AT – Austria	1,1%
L	LED Lens	PMMA	FI – Finland	0,9%
M	Cord and wires	Variety of components	IT – Italy	12,1%
N	Labels and instructions	Paper	DK – Denmark	0,1%
O	Foam inserts	EPS	DK – Denmark	11,7%
P	Plastic bags	LDPE	LT – Lithuania	0,6%
				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.).

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.

Basis of calculation

This is calculated according to the EU Product Environmental Footprint and presented according to ISO 14067 (Carbon footprint of products).

Transport

1,000 km of transport is calculated for the product from factory to end customer as required by the reference in PEF.

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.

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 Xperi, LED 3000K, 33W

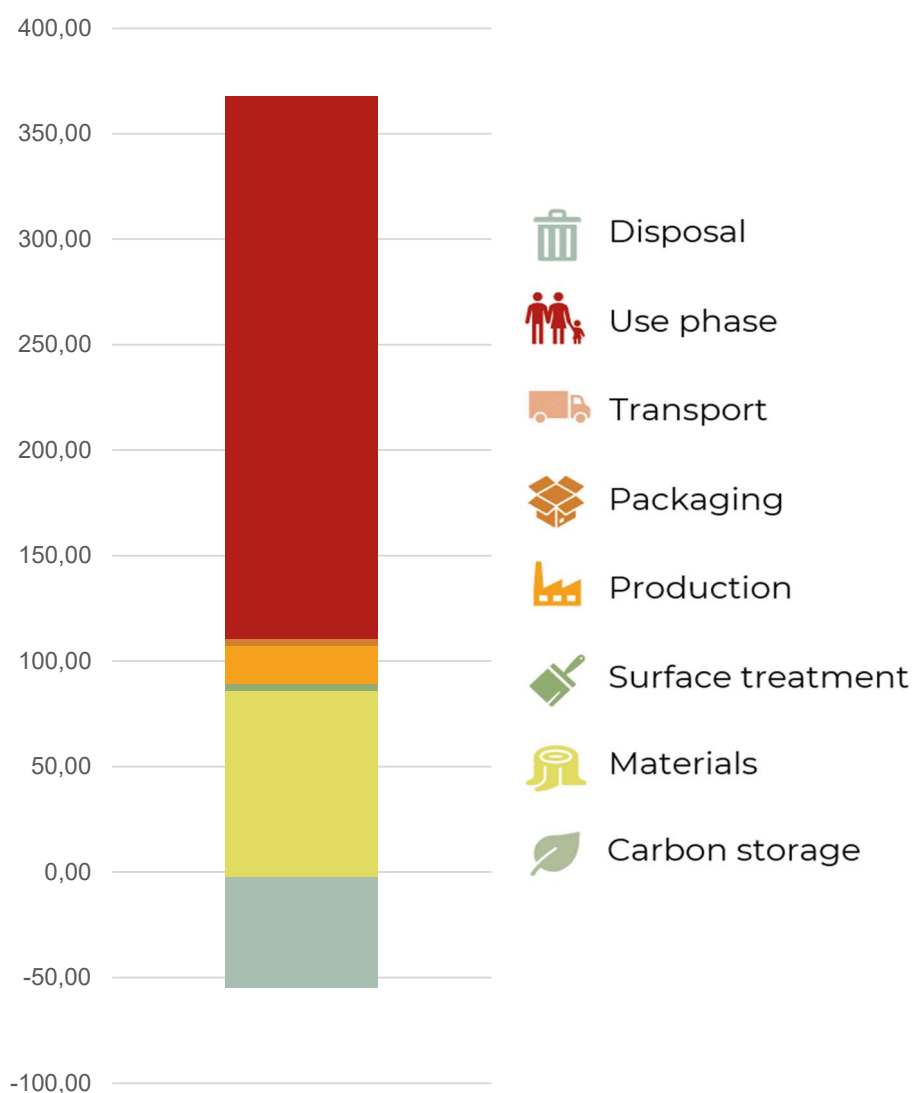**Production of the product**

Total climate emission:

60 KG CO2-e

Production of the product and use stage

Total climate emission:

310 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	**3,87** *kg CO2-e*
Cover	**0,00** *kg CO2-e*
Standard Components	**0,00** *kg CO2-e*
Electronics	**20,00** *kg CO2-e*
Metal	**26,22** *kg CO2-e*
Packaging	**3,55** *kg CO2-e*
Upholstery	**0,00** *kg CO2-e*
Wood Based Board	**0,00** *kg CO2-e*
Surface Finish & Chemicals	**8,42** *kg CO2-e*
Glass / Stone / Ceramics	**0,00** *kg CO2-e*

14% 6% 6% 32% 42%
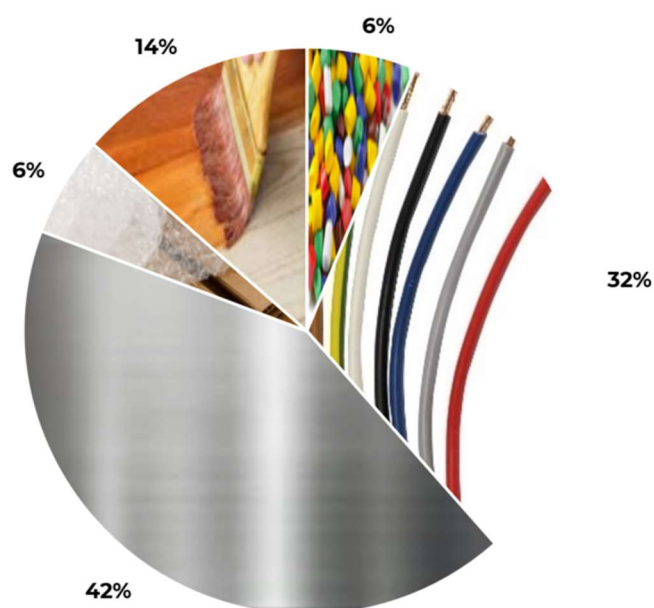
The values presented here represent total emissions per material group (incl. material, production, transport, waste, CO2e uptake)

Main emission sources *(pr element)**

Element	Material	Total impact
Electricity	0	**254,16** *kg CO2-e*
ALUMINIUM PARTS	Alu. cast	**23,93** *kg CO2-e*
DRIV TRID LCO 90W 200–1050mA 165Vo4a NFC	Power supply with cables + connectors kg	**12,72** *kg CO2-e*
POWDER G3 ALU COLOUR, STRUC. (162)	Or kg powder consumed	**8,42** *kg CO2-e*
CORD & WIRES	Electric cable kg	**5,27** *kg CO2-e*
FOAM INSERTS	EPS (polystyrene foam)	**3,35** *kg CO2-e*
SHADE LED XPERI	PC, molded	**2,12** *kg CO2-e*
LED BOARD RLE 2x8 4000LM 830 HP EXC2 OTD	Electronic board few holes cm2	**1,71** *kg CO2-e*
PLATE FOR ELECTRICAL COMPONENTS XPERI	Alu. sheet, punched	**1,63** *kg CO2-e*
Cleaning & maintenance	Cleaning, maintenance & Product Loss	**1,28** *kg CO2-e*
LED LENS LEDIL	Acrylic (PMMA), molded	**0,96** *kg CO2-e*
	Total impact from Waste	**7,75** *kg CO2-e*
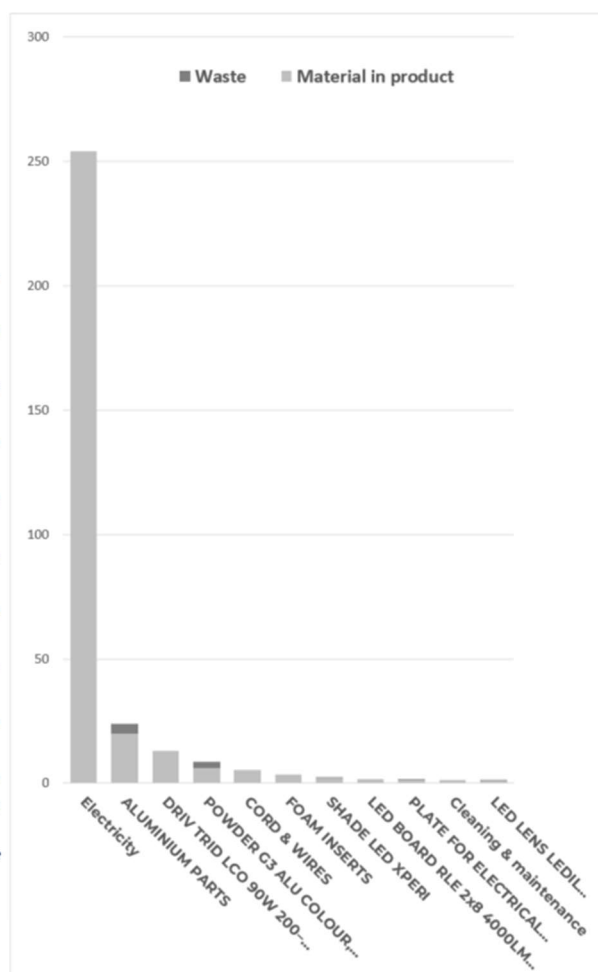
The values presented here represent total emissions per element (incl. material, production, transport, waste, CO2e uptake)