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Environmental Product Specifications

— LP Slim Round

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.
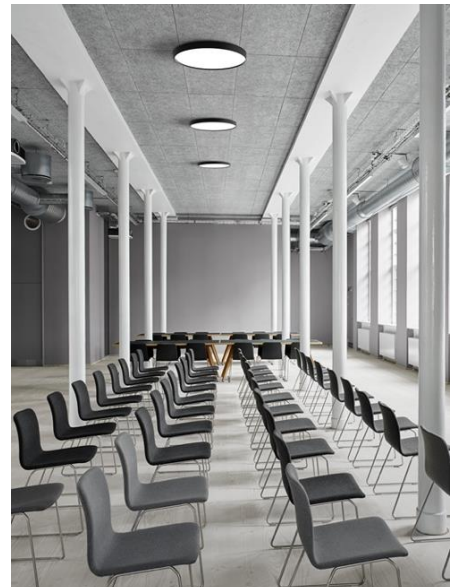
Product info

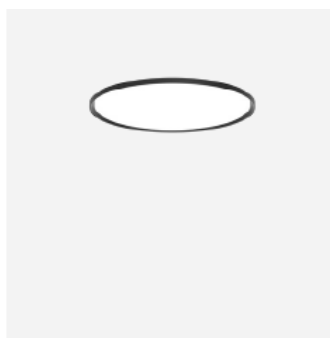|	
Mounting	**Sizes and weights**
Depends on the variant	Width x Height x Length (mm)
	248 x 80 x 248 Max 2.3 kg
Finish	438 x 94 x 438 Max 5.0 kg
White or black, powder coated or clear lacquered, pickled aluminium.	679 x 97 x 679 Max 10.6 kg
Light source	**Class**
LED	Ingress protection IP20. Electric shock protection I.

Product family

LP Slim Round Suspended

LP Slim Round Semi Recessed

LP Slim Round Recessed

LP Slim Round Wall

Product variants

Dimension	Colour		Light source	Lumen	Shield	Lighting control
Ø 250	●	Black	LED 3000K 13W	-	OPAL	Dali
Ø 440	○	Colour of your choice	LED 3000K 25W	1092	PRISMATIC	Dali high output
Ø 680	●	Dark aluminium raw	LED 3000K 35W	1142		Dali kelvin adjustable
	○	White	LED 3000K 46W	1149		
			LED 3000K 53W	1232		
			LED 4000K 13W	1254		
			LED 4000K 25W	1279		
			LED 4000K 35W	2401		
			LED 4000K 46W	2404		
			LED 4000K 53W	2499		
			LED KELVIN ADJUSTABLE	2659		
				2714		
				3617		
				3690		
				3914		
				3993		
				4667		
				4762		

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 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% 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:

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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	48,5%
A	Painting	Powder coating	AT - Austria	1,3%
B	Steel plate	Aluzinc	DK - Denmark	6,2%
C	Steel screws, bolts and nuts	Stainless steel	CN - China	0,5%
D	Diffuser	Plastic - PMMA	SE - Sweden	14,4%
E	Diffuser uplight	Plastic - Clear PMMA	DK - Denmark	2,3%
F	Plastic parts	Polyamide	CN - China	0,3%
G	EPDM Plug	Rubber - EPDM	DK - Denmark	0,3%
H	LED board	Variety of components	CN - China	9,8%
I	Driver	Variety of components	FI - Finland	3,0%
J	Wires	PVC and copper	IT - Italy	0,8%
K	Instruction and labels	Paper	DK - Denmark	0,4%
L	Packaging	Corrugated cardboard	DK - Denmark	12,0%
M	Plastic bag	Plastic - LDPE	LT - Lithuania	0,1%
				100%

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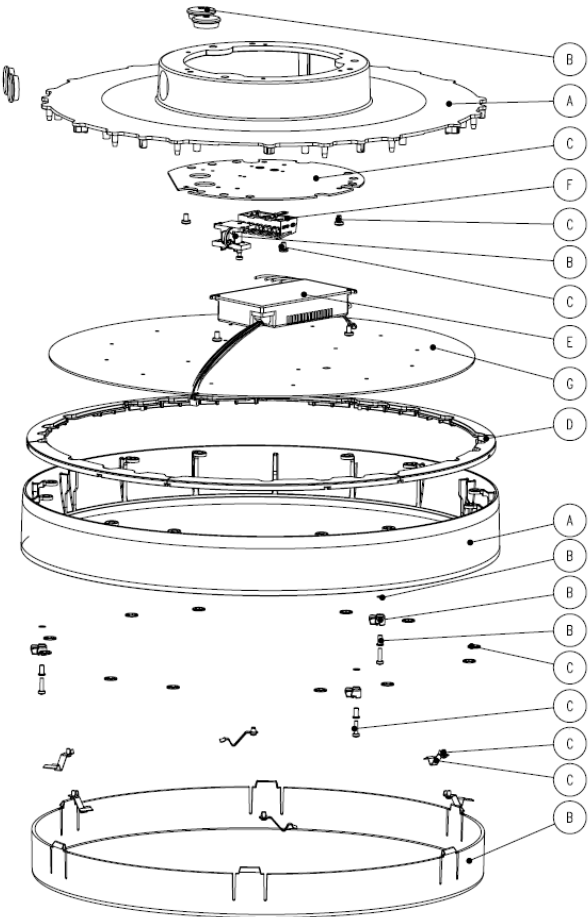
Life Cycle Screening

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

1,200 km national or 3.500 km for export trasnport 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:

LP SLIM ROUND, Ø250, BLACK, LED 3000K 13W

Production of the product

Average climate emission:

35 KG CO2-e

Lower boundary:	22 CO2-e
Upper boundary:	65 CO2-e

Production of the product and use stage

Average climate emission:

150 KG CO2-e

Lower boundary:	130 CO2-e
Upper Boundary:	180 CO2-e

Carbon stages

Disposal

Use phase

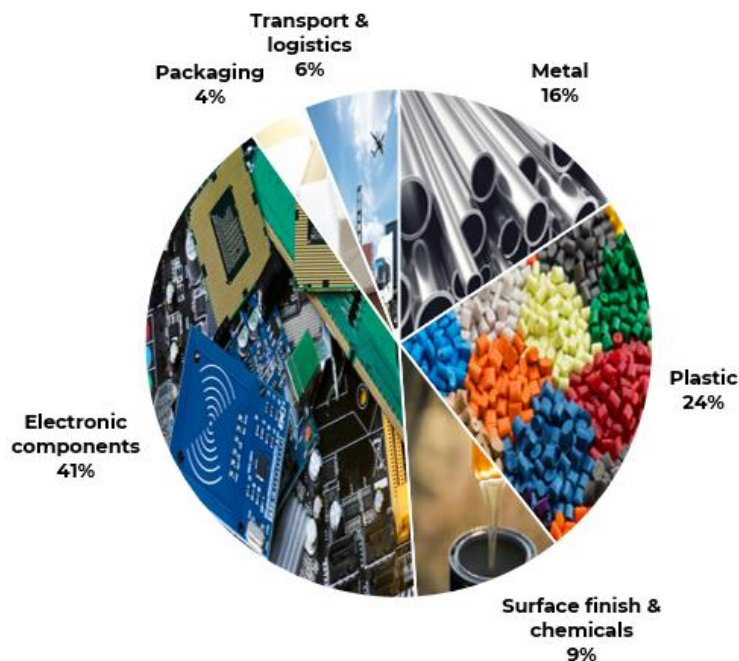Transport

Packaging

Production

Surface treatment

Materials

Carbon storage
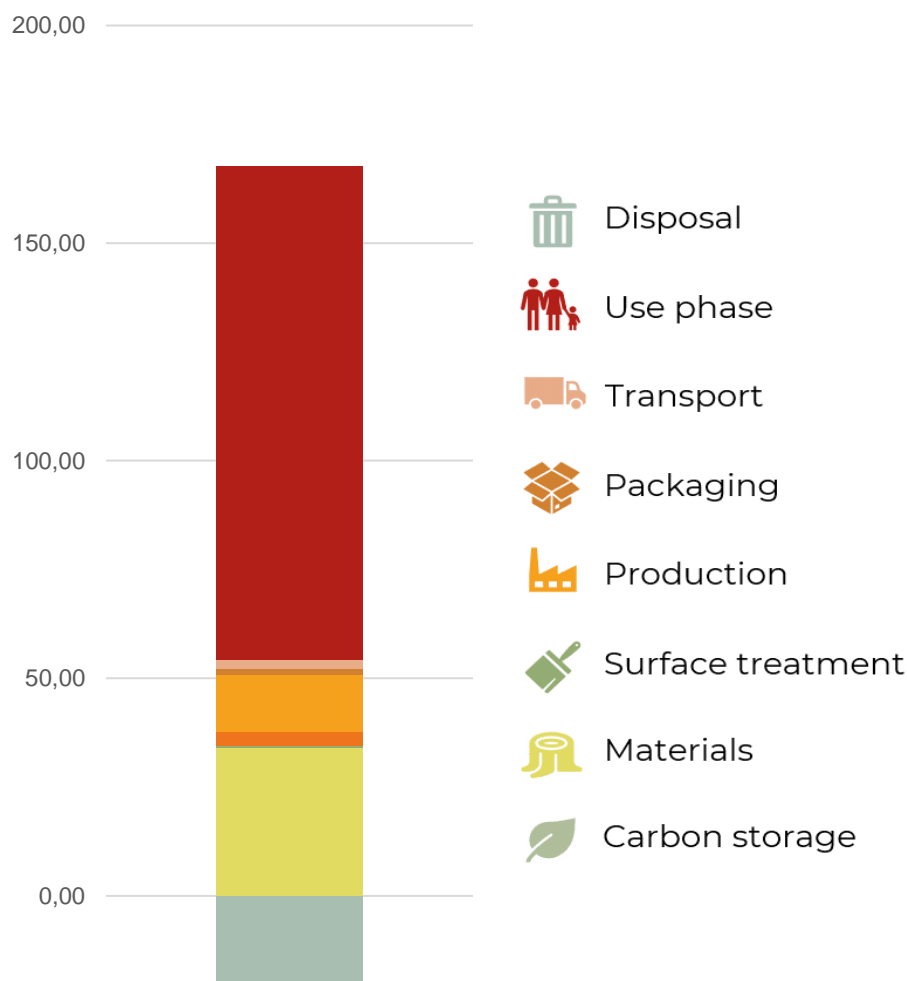
The carbon footprint has been calculated using Målbar version 2.9612; in accordance with the Product Environmental Footprint.
The carbon footprint has not been third-party verified. Only to be used for B2B, as comparing alternative results.
Comparing data across methodologies is likely to result in inaccurate representations.

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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	5,22	kg CO2-e	15,6%
Plastic	7,92	kg CO2-e	23,8%
Glass / Stone / Ceramics	0,00	kg CO2-e	0,0%
Surface finish & chemicals	3,18	kg CO2-e	9,5%
Upholstery	0,00	kg CO2-e	0,0%
Cover	0,00	kg CO2-e	0,0%
Electronic components	13,77	kg CO2-e	41,3%
Packaging	1,22	kg CO2-e	3,7%
Transport & logistics	2,04	kg CO2-e	6,1%

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	
LED BOARD	1 layer aluminium (1,6mm thicknesss) PCB surface mount	8,62	kg CO2-e
DIFFUSOR	Acrylic (PMMA)	6,64	kg CO2-e
FRAME	Alu. cast	3,88	kg CO2-e
POWDER COATING	Or kg powder consumed	3,05	kg CO2-e
LED'S ON BOARD	LED 3,5x3,5x2,0mm (59mg)	2,80	kg CO2-e
DRIVER	Power supply with cables + connectors	2,11	kg CO2-e
Transport	Total emission from transport - all steps	1,98	kg CO2-e
DRIVER PLATE	Steel bracket/bent steel sheet	1,16	kg CO2-e
PACKAGING	Corrugated cardboard box printed sustainable fiber	1,08	kg CO2-e
DIFFUSER UPLIGHT	Acrylic (PMMA)	1,03	kg CO2-e
ELECTRICAL WIRING	Electric cable (PVC)	0,23	kg CO2-e
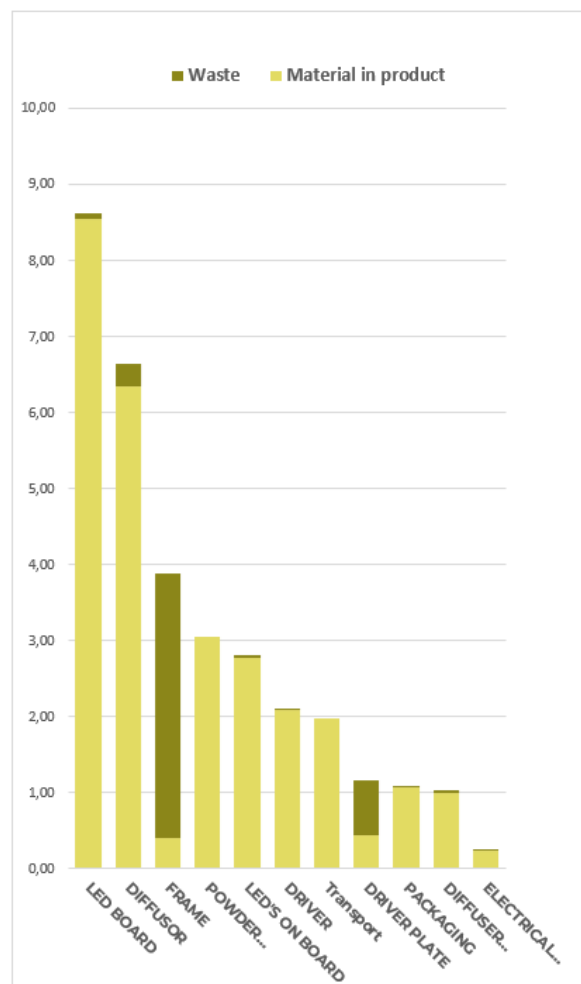
The values presented here represent total emissions per element (incl. material, production, transport, waste, CO2e uptake)