

Environmental declaration: ecoLENS™ lighting fixture

1. Product information

Product

Product name:	ecoLENS™ GRID LED light fixture
Reference number:	FP-100-82
Product description:	Energyefficient LED general lighting fixture for installation in functional grid ceiling/system with module 2×2 m or 1.8×1.8 m.
Date:	2023.08.13

Manufacturer

Manufacturer:	Caleidoscope Systems AB
Address:	Östra Sandgatan 14, 252 27 Helsingborg
E-mail:	marcus@caleidoscope.se
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2. Content report:

Table 1. Contents of constituent substances and materials.

Type of material	EG-nr/ CAS-nr	Weight-% (of the whole item)	When applicable, indicate in which sub-component	Weight% (of substance in subcomponent)	Remarks
<i>Body</i>					
1. Steel plate	7439-89-6	67,8			Plain carbon steels
2. Powder coat	54553-91-2 8001-78-3	5,6			EP40009102127 RAL 9010-GL PURE WHITE
<i>Reflector</i>					
3. Polycarbonate	25037-45-0	9,1			BJB lens 35324 1002 RoHS declaration BJBDE-5941204
<i>Led strip</i>					
4. Aluminum	7429-90-5	4,62			copper platinum 35 um/osp
5. Tenn.	7440-31-5	1,3			
6. Silver	7440-22-4	0,7			
7. Chip		0,1			
<i>Driver</i>					
8. Silicon	7440-21-3	1,0			
9. Copper	7440-50-8	0,6			
10. Epichlorohydrin	106-89-8	4,7			
11. Tetrabromobisphenol A	79-94-7	0,08			
12. Silicon dioxide	7631-86-9	0,1			
13. Boron oxide	1303-86-2	0,2			
14. Manganese	7439-96-5	0,1			

15. Polycarbonate	25037-45-0	0,3			Material spec. 1250Y test report CP21-010122 - GZ
16. Solid Basic Green	633-03-04	3			
17. Solid White Soft	8002-74-2	0,2			
18. Skelton	7440-44-0	0,2			
19. Iron	7439-89-6	0,3			

3. Recycled raw materials

Is recycled material included in the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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4. Packaging management for product distribution

Describe packaging management for distribution of the product <i>Indicate which packaging material and which system for producer responsibility for packaging that supplier is connected to.</i>	Description of packaging: Corrugated cardboard Member of REPA for recycling of packaging
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5. Construction and use phase

Does the product have special requirements for storage?	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> No
Does the product place special demands on surrounding construction products?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are there care instructions / care instructions for the product?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

6. Waste management

Does the product require special measures for the protection of health and the environment during demolition / disassembly?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is reuse possible for all or parts of the product (can the product be reused within the product's expected life)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>The lighting fixture can be easily installed in a new project. Life expectancy is more than 15 years.</i>		
Is material recycling possible for all or parts of the product when it becomes waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<i>All metal parts, plastic and electronic components can be recycled and used for new products</i>		

7. Indoor environment

Does the product have a critical moisture condition: Information about the material / product has a critical moisture condition for microbial growth must be stated for information.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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It is hereby certified that the above information is correct.

Responsible informant:	<i>Marcus Isaksson</i>
Signature responsible informant:	
Place and date:	Helsingborg 2023.08.13