

Materials Passport ®

by EPEA

Self declared according to BAMB Circularity Passport 1.1

Product Systems

Cascade Flex

Whitecroft Lighting Ltd

Cascade Flex is a family of recessed luminaires for office, education, healthcare and university applications. The luminaires replaceable lighting cartridge enables the product to be maintained at its highest utility through life and then future regeneration and recovery. Available in 600x600 and 300x1200

<https://www.whitecroftlighting.com/>



Product Assessment

Composition

Criteria	Materials Passport ©
Composition is fully classified	N/A
Hazards have been analyzed	Yes
Nutrient Type	technical

Cycles

Criteria	Materials Passport ©
Reverse Logistics in place	Yes

Emissions & Exposure

Criteria	Materials Passport ©
VOC Content	□ 0.001 g/l
Emissions data is provided	Yes
Exposure is known and defined	N/A

Disassembly

Criteria	Materials Passport ©
Connection type & Instructions	Yes

Legend: yes = Product contributes toward satisfying the credit, N/A = Product not relevant in the credit, no = Credit requirements are not proven

Summary

The product contributes to the certification:

- Hazard list screening Yes

- The product or its independent components are designed for the following cycle: technical
- Is there a reverse logistics system for the product? Yes
- The VOC content of the product according to the EU directive 2004/42/EC amounts to ≤ 0.001 g/l
- Have the emissions of the product been analysed? Yes
- Was the product specifically designed for clean and rapid disassembly? Yes

■ Ecolabels & Product-Assessments

Cradle to Cradle Certified™ Bronze



■ Product Properties

Ingredients:

Recycled content pre-consumer:	0 wt%
Recycled content post-consumer:	25,64 wt%
Percentage of the product's composition, that is known to the chemical ingredient level	80 wt%
To what level of detail is the product composition known?	100 ppm
Rapidly renewable content	0 wt%
Reused content	93,7 wt%
Non renewable virgin raw material content	100 wt%
SVHC according REACH < 0,1 %:	Yes
VOC Content	0 g/l
VOC Content:	0 g/m ²

Emissions:

Formaldehyde emissions:	0 mg/m ³
Formaldehyde emissions:	0 ppm
Formaldehyde emissions:	0 µg/m ² h
Has the product been tested for indoor air emissions?	Yes
TVOC after 7 days	<0,005 mg/m ³
TVOC after 14 days	0 mg/m ³
TVOC after 28 days	0 mg/m ³
TVOC after 3 days	<0,005 mg/m ³
TVOC after 4 Days:	<1 µg/m ² h
R-Value according to AgBB	0,0001

Manufacturer:

Environmental Management System according ISO 14001: Yes

Are reverse logistics in place for the product?	Yes
Final manufacturing location of the product: latitude	53.4808 ° DDD
Final manufacturing location of the product: longitude	2.235 ° DDD

Life Cycle Assessment:

Functional Use Period	10 a
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Circularity:

Has the product been designed for reuse, refurbishment or remanufacturing?	Yes
Is the product designed for a recycling of equal quality?	Yes
Was the product designed for biodegradation?	No
Was the product designed for clean incineration?	No
Product was designed with cycling in mind.	Yes
Was the Product designed for emission or direct dispersal?	No
Was the product specifically designed for clean and rapid disassembly?	Yes

■ System description

Source:

Detailed Verification

Self declared according to BAMB Circularity Passport 1.1

Composition

Composition is fully classified

The proportion of defined ingredients is

Cascade Flex	N/A
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Percentage of the product's composition, that is known to the chemical ingredient level

Cascade Flex	80 wt%
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To what level of detail is the product composition known?

Cascade Flex	100 ppm
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Hazards have been analyzed

Hazard list screening

Cascade Flex	Yes
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Hazard list screening

Cascade Flex	Yes
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SVHC according REACH < 0,1 %:

Cascade Flex	Yes
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Nutrient Type

The product or its independent components are designed for the following cycle:

Cascade Flex	technical
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Cycles

Reverse Logistics in place

Is there a reverse logistics system for the product?

Cascade Flex	Yes
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Reverse logistics

Cascade Flex	Yes
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Functional use period

Cascade Flex	10 a
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Description of the reverse logistics solution(s)

Cascade Flex	reuse, recycle
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Latitude of the final manufacturing location

Cascade Flex	53 °DDD
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Longitude of the final manufacturing location

Cascade Flex	24 °DDD
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■ Emissions & Exposure

■ VOC Content

The VOC content of the product according to the EU directive 2004/42/EC amounts to

Cascade Flex	□ 0.001 g/l
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■ Emissions data is provided

Have the emissions of the product been analysed?

Cascade Flex	Yes
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TVOC content after 3 days according to the AgBB test method

Cascade Flex	0.001 µg/m ³
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TVOC content after 28 days according to the AgBB test method

Cascade Flex	0.001 □g/m ³
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R-value of individual substances for an emission measurement after 28 days

Cascade Flex	0.001
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Type of emission test method

Cascade Flex	AgBB
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Result for the availability of a valid emissions proof

Cascade Flex	Yes
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■ Exposure is known and defined

Is the exposure known and defined?

Cascade Flex	N/A
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The product has been analysed for possible effects on humans and the environment

Cascade Flex	Yes
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■ Disassembly

■ Connection type & Instructions

Was the product specifically designed for clean and rapid disassembly?

Cascade Flex	Yes
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Was the product specifically designed for clean and rapid disassembly?

Cascade Flex	Yes
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Disassembly

Is there a specific type of connection for installing the product and corresponding instructions?

Cascade Flex	Yes
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Instructions for disassembly of the product

Cascade Flex	Yes
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Type of connection for installation the product

Cascade Flex	screw
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■ Contact Details Manufacturer

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■ Disclaimer

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