

# Cascade Flex E 1200x300



Cascade Flex E Pod  
1200x300 Organic  
Response



Cascade Flex E Pod  
1200x300 In Ceiling

# Overview

Introducing the latest version of our Cascade Flex range of products, Cascade Flex E builds on our knowledge and development over the last four years in the delivery of the first truly circular designed recessed modular luminaire for the lighting industry. With our progression within the field of circularity, we have brought together the Cascade Flex and Cascade Flex Vitality into a single family; Cascade Flex E.

Helping you deliver on your environmental and lighting quality commitments, Cascade Flex E offers enhanced operational performance through the use of the latest LED technology for Ra80 and Ra90 light sources, and retains the breadth of range of outputs, ceiling options and optics to suit a wide variety of applications. In line with the wider business offer, the Cascade Flex E emergency options come complete with LiFeP04 battery technology and the option for integrated Organic Response sensor node for maximisation of energy performance and whole life optimisation.

Cascade Flex E demonstrates our continued commitment to the delivery of transparent data and information for circular design and embodied carbon and driving down our environmental impact.

The Cascade Flex E comes with Cradle to Cradle (Bronze) accreditation and a third party verified Environmental Product Declaration (EPD).

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## Lighting Performance

Optics:

- Pod Optic supports the delivery of spaces where higher levels of glare control are needed (Disability and Discomfort).
- Tp(A) as standard

Output Options (based on 4000K, Ra80):

- Pod Optic
  - 3307 lumens, 22.6W (146.3lm/w)
  - 4120 lumens, 27.6W (149lm/w)
  - 4801 lumens, 32.1W (150lm/w)

Light Sources Available:

- Ra80 or Ra90
- 3000K or 4000K
- >L90@50,000 hours (see individual data sheets for further details for each type)
- (Ra90 available Sept 24)

LED Chip:

- Ra80: E-light LED as standard. E-light utilises flip-chip technology delivering the most efficient LED chip technology on the market today.
- Ra90: 2835 chip technology utilising latest phosphor technology to minimise light output reduction when compared with Ra80 LED technology.
- 3step Macadam Elipse

Control Gear:

- DALI2 driver

Lighting Controls:

- Available with integrated Organic Response smart sensor node.

Emergency Lighting:

- Integrated 3 hour LiFeP04. 3hr Keyswitch (EM), auto-test (EP) and wireless auto-test (EW) available.
- LiFeP04 offers several benefits versus NiCAD battery technology:
  - Improved Warranty (5 years)
  - Reduced energy in operation (up to 45%)
  - Longer Life (6-8 years)
  - Increased switching cycles
  - Lower embodied carbon
- Output (based on 4K, Ra80 Std Chips):
  - Pod
    - 3000K Ra80: 385 lumens

- 4000K Ra80: 390 lumens

For specific product variant information, including lifetime, efficacy, power, output and electrical data, please click on the individual part number under 'Order Codes' and view the datasheet.

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## Construction

Main Body:

- Steel canopy finished in white RAL 9003

Construction Methodology:

- Standard tool access to replaceable central cartridge with optics and light engine
- No screws or glues used within construction

Ceiling Integration Options:

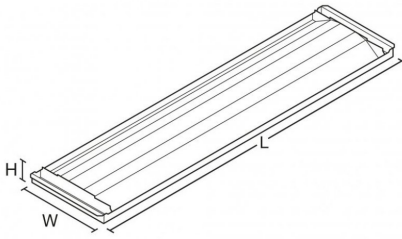
- 1200x300 SAS 300 Ceiling integration as standard
- Alternative ceiling types available through our CustomMade team.

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## LED Performance

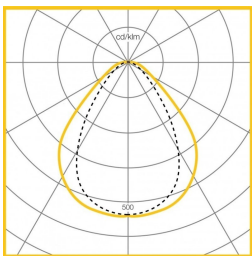
Colour Temp	RA (CRI)	Life expectancy	Colour consistency
3000K	Ra80	>L90B50@50,000 Hours	3
3000K	Ra90	>L90B50@50,000 Hours	3
4000K	Ra90	>L90B50@50,000 Hours	3
4000K	Ra90	>L90B50@50,000 Hours	3

# Dimensions



VERSION	L	W	H	KG	KG(EM)
Cascade Flex E 1200x300	1194	297	68	5.5	7.0

# Photometric Performance



LOR = 1.53  
SHR MAX =  
100%

# Performance Guide