

Cascade Flex



Sustainable feature recessed luminaire offering differentiation for office and associated environments



1200x300 Pod, OR3



Cascade Flex 600 Pod OR recessed



Removable Cartridge



600x600 Diffuser

Overview

Designed with a sustainable approach the Cascade Flex is a new generation of recessed luminaire. Careful consideration has been given to the materials used and the effect they have on people and the environment. The luminaire features a replaceable central cartridge which can be returned, refurbished and reused multiple times ensuring that the materials remain in use without a sacrifice to the luminaires performance, before eventually being recycled at the end of its life.

The distinctive central optics and range of lumen outputs deliver both visual comfort and efficacy. The pod optic is the preferred option for areas where a higher level of glare control is required. It directs 80% of the output onto the task while the remaining 20% serves to illuminate the bevelled ceiling canopy. This results in an intermediate brightness zone which creates a contrasting field between the optic and the ceiling plane, adding visual interest and overall comfort.

Optics

- Outputs ranging from nominal 2300 to 5100 lumens
- 4000K and 3000K colour temperature options
- Greater than Ra 80 colour rendition
- MacAdam 3 SDCM
- L90 at 50,000 hours
- Choice of pod or diffuser optics, delivering nominal outputs:
 - Pod: 600 x 600mm - 2300, 3300, 4100 & 4800 lumens
 - Pod: 1200 x 300mm - 3300 & 4100 lumens
 - Diffuser: 600 x 600mm - 2300, 3300, 4100 & 5100 lumens
- Tp(a) rated

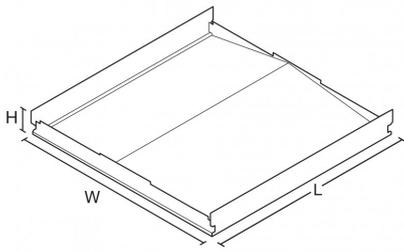
Lifetime Data			
Version	L70B50	L80B50	L90B50
Diffuser 2300lm	>100k	>100k	58k
Diffuser 3300lm	>100k	>100k	58k
Diffuser 4100lm	>100k	>100k	54k
Diffuser 5100lm	>100k	>100k	50k
Pod 2300lm	>100k	>100k	58k
Pod 3300lm	>100k	>100k	54k
Pod 4100lm	>100k	>100k	51k
Pod 4800lm	>100k	>100k	50k

Emergency Outputs		
Version	CCT/CRI	Emergency lumens
600 Diffuser	4000K, Ra80	355
600 Diffuser	3000K, Ra80	337
600 Pod	4000K, Ra80	329
600 Pod	3000K, Ra80	312
1200 Pod	4000K, Ra80	385
1200 Pod	3000K, Ra80	359

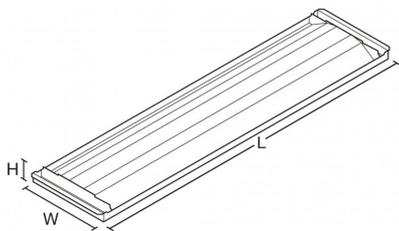
Body

- Steel canopy finished in white RAL 9003
 - Suitable for a range of ceilings:
 - 600 x 600mm Exposed Tee (584 x 584mm - Ref 'XT')
 - 600 x 600mm Spring Tee (599 x 599mm - Ref 'ST')
 - 600 x 600mm Plasterboard (use 'XT' version with 'SFTPBF' frame accessory)
 - 1200 x 300mm (1194 x 297mm - SAS 330)
 - Replaceable central cartridge with optics and light engine
 - Emergency 3 hour self-contained and DALI test options
 - Emergency variants supplied with Lithium Iron Phosphate (LiFePO4) battery technology; featuring extended design life reducing replacement frequency to lower total cost of ownership, and advancing sustainability through support for end of life recycling
 - Also available with 'EW' Routefinder Wireless for addressable emergency testing without the need for a 2 core communication cable
 - Fixed output or DALI 2 standard drivers
 - Integral Organic Response sensor option
 - Air Control option (requires remote detector)
 - Can be used with MSU Kit for Mental Health - Medium Secure Unit & Anti-Ligature applications
 - Note: All DALI variants require 1 DALI address per driver. COMECS variants will require an additional DALI address.
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Dimensions

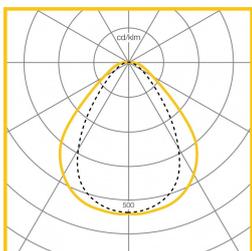


VERSION	L	W	H	KG	KG(EM)
Exposed Tee	584	584	69	4.0	5.5
Spring Tee	599	599	83	4.0	5.5

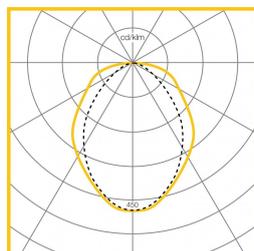


VERSION	L	W	H	KG	KG(EM)
SAS 330	1194	297	68	5.5	7.5

Photometric Performance



4100 lumen, 34W
Pod
LOR = 100%
SHR MAX = 1.53



4100 lumen, 34W
Diffuser
LOR = 100%
SHR MAX = 1.41

To Specify

Recessed modular luminaire with strong visual differentiation using a central linear optic. The light engine cartridge is easily replaced without tools for simple future upgrades and replacement ensuring a sustainable lighting solution - as Whitecroft Lighting CASCADE FLEX
