

# Foil XS-Line

Acoustic suspended lighting system



End Cap



Contoured End Cap

## Overview

Foil has been developed to optimise building energy performance and deliver visual integration for a pure aesthetic. Service integration reduces the build programme and ensures a clutter free working or learning environment.

## Optics

- Output options;
  - 5200 lumens (45W)
  - 6200 lumens (52W)
  - 8300 lumens (70W)
- Emergency Output (BLF):
  - All variants - not available (use Florin E3)
- Micropolymer diffuser in unique twin-line configuration for optimum light uniformity and diffusion
- Approximately 75/25% down/uplight ratio
- 1800mm infills are available with uplighting element
- Available with 3000K and 4000K LED

# Body

- IP20 as standard
- IP44 versions available on request
- Fabricated steel body finished in silver or white
- Chamfered 30° body edge for a slimline appearance
- Infill panels available in 600mm, 1200mm and 1800mm lengths
- Optional 600mm starter infill available for connection to the wall and first luminaire. Does not contain acoustic absorbing material
- Twin adjustable wire suspension kit with 1.5m maximum drop (long drop lengths available on request)
- Suspension kit to be ordered separately
- 48mm deep acoustic absorbing materials integrated into the luminaire body
- RAL Colour: Silver RAL9006. White RAL9003.
- Downlight and uplight controlled through a single driver
- Integral emergency options available using Florin E3 installed centrally in the luminaire body or the infill;
  - 3hr maintained
  - COMEPS
- Integral controls options available installed centrally in the luminaire body;
  - Organic Response®
- Air Control enabled option (requires remote detector)
- 2 segregated cable conduits
- Subject to project size and upon request luminaire infill panels can be modified to allow the integration of items such as speakers, smoke detectors, fire alarms, and sprinkler heads. Please consult Whitecroft Technical Desk
- For continuous or standalone mounting
- End cap to be ordered separately

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## Order codes

### Luminaire

Luminaire	Fixed Output	Florin E3 3hr Em	LL/CW	B50		
				L70	L80	L90
5200 lumens (45W)	FSEH1S	FSEH1SF3	116	>100k	>100k	>100k
6200 lumens (52W)	FSEH2S	FSEH2SF3	119	>100k	>100k	>100k
8300 lumens (70W)	FSEH3S	FSEH3SF3	119	>100k	>100k	>100k

All order codes noted are for Foil XS-Line IP20, IP44 versions available on request

### Infill with uplight

Infill with uplight	Fixed Output	Florin E3 3hr Em
1800mm, 1875 lumens (17W)	FXINFUPH18S	FXINFUPH18SF3

## Accessories

End caps (contoured)	FXENDCS
600mm infill	FXINF6S
600mm infill with Florin E3	FXINF6SF3
1200mm infill	FXINF12S
1200mm infill with Florin E3	FXINF12SF3
1800mm infill	FXINF18S
1800mm infill with Florin E3	FXINF18SF3
2250mm infill	FXINF22S
2250mm infill with Florin E3	FXINF22SF3
600mm starter infill	FXSTARTS
Flush end cap (single)	FXENDCFLS
Suspension kit (1.5m drop) *	FXSUSPKIT
Suspension kit (3m drop) *	FXSUSPKIT3M

\* Suspension kit required for each size of luminaire and infill with one exception - no suspension kit is required if 600mm infill is part of a continuous run.

## Options

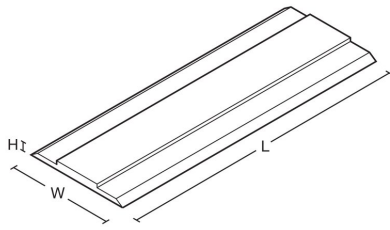
DALI DIMMING	Replace H with Y	i.e FSEY1S
FLORIN E3 COMEPS	Add suffix FEP	i.e FSEH1SFEP
ORGANIC RESPONSE	Codes available on request	
WHITE FINISH	Replace S with W	i.e FSEH1W
AIR CONTROL ENABLED (DALI ONLY)	Add 'AC' before 'Y'	i.e FSEACY1S

For 3000K colour temperature, please contact Whitecroft

## LED Performance

Colour Temp	RA (CRI)	Colour consistency
4000K	>80	MacAdam 3 SDCM

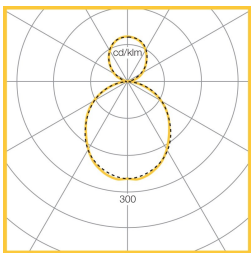
# Dimensions



VERSION	L *	W	H	KG	KG(EM)	FC
5200 lumens (45W)	2250	800	106	28.5	28.7	1500 x 200
6200 lumens (52W)	2250	800	106	28.5	28.7	1500 x 200
8300 lumens (73W)	2250	800	106	28.5	28.7	1500 x 200
600mm infill	600	800	75	5.3	5.5	450 x 200
1200mm infill	1200	800	75	10.5	10.7	750 x 200
1800mm infill	1800	800	75	16.9	17.1	1100 x 200
1800mm, with uplight	1800	800	106	19.2	19.4	1100 x 200
2250mm infill	2250	800	75	22.9	23.1	1500 x 200

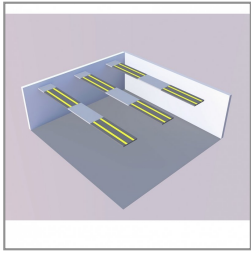
\* Contoured end caps increase the length by 150mm per end cap.

# Photometric Performance



6200 Lumens  
52W LED  
LOR = 100.0%

# Performance Guide



Lamps	LED 5200 Lumen
Illuminance	353 lux
Spacing	3 rows of 2 (55m <sup>2</sup> Classroom)
Maintenance	0.8
Reflectance	70/50/20%
Ceiling Height	3.2m
Working plane	0.75m
Suspension	0.6m
Uniformity	0.63
Wall illuminance	53%
Ceiling illuminance	48%
Modelling	0.41
UGR	19

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## To Specify

Suspended acoustic LED lighting system with concealed 48mm thick acoustic absorbers behind perforated side and central panels in a shallow 30° chamfered steel body. Micropolymer opal diffuser in twin-line configuration for optimum light uniformity and diffusion. 2 segregated wiring channels as Whitecroft Lighting FOIL XS-LINE

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