

Foil SRD

Acoustic suspended lighting system



Overview

Foil has been developed to optimised 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:
 - 4800 lumens (36W)
 - 6000 lumens (43W)
 - 7200 lumens (51W)
- Emergency Output (BLF):
 - All variants - not available (use Florin E3)
- Extruded reeded polycarbonate opal diffuser
- Approximately 75/25% down and uplight ratio
- Diffuser with linear prisms to minimise glare from all viewing angles
- Available with 3000K and 4000K LED

Body

- IP20 as standard
- IP44 versions available on request
- 800mm wide, 2.2m length steel body painted silver or white
- Chamfered 30° luminaire body edge for a slim line appearance
- Infill panels in 400mm, 800mm, 1200mm, 1800mm and 2200mm lengths
- RAL Colour: Silver RAL9006. White RAL9010.
- Perforated side panels of luminaire and infill panels contain 48mm acoustic material
- 2 segregated cable conduits, excluding power in conduit
- High frequency and DALI dimming control gears available
- Air Control option (requires remote detector)
- The integrated Florin E3 LED head optimises emergency performance and vastly reduces the parasitic energy load. Can be specified in either standard 3 hour non-maintained emergency, Easy Test, COMEPS or Central Battery
- Adjustable wire suspension kits 1.5m maximum drop and end caps to be ordered separately
- Subject to project size and upon request, luminaire infill panels can be modified to incorporate items such as speakers, smoke detectors, fire alarms, and sprinkler heads

Order codes

Luminaire

				B50		
Luminaire	Fixed Output	Florin E3 3hr Em	LL/CW	L70	L80	L90
4800 lumens (36W)	FREH4S	FREH4SF3	133	>100k	>100k	66k
6000 lumens (43W)	FREH6S	FREH6SF3	139	>100k	>100k	66k
7200 lumens (51W)	FREH7S	FREH7SF3	141	>100k	>100k	66k

Accessories

400mm Infill	FRIN4S
800mm Infill	FRIN8S
1200mm Infill	FRIN12S
1800mm Infill	FRIN18S
2200mm Infill	FRIN22S
End Cap Kit (single)	FREND CFLS
Suspension Kit*	FSL SUSKIT

*Suspension kit required for each luminaire and infill (except 400mm and 800mm infill used between fittings in a continuous row).

Options

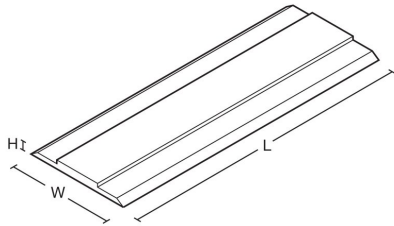
DALI	Replace H with Y	i.e FREY4S
FLORIN E3 COMEPS	Add suffix FEP	i.e FREH4SFEP
WHITE FINISH	Replace S with W	i.e FREH4W
AIR CONTROL ENABLED (DALI ONLY)	Add 'AC' before 'Y'	i.e FREACY4S

For 3000K colour temperature, please contact Whitecroft

LED Performance

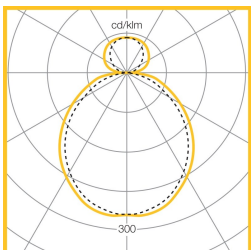
Colour Temp	RA (CRI)	Colour consistency
4000K	>80	MacAdam 3 SDCM

Dimensions

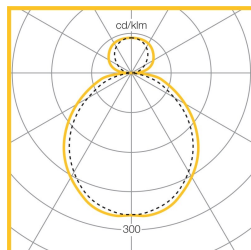


VERSION	L	W	H	KG	KG(EM)
4800 lumens (36W)	2200	800	100	23.2	23.4
6000 lumens (43W)	2200	800	100	23.4	23.6
7200 lumens (51W)	2200	800	100	23.4	23.6
400mm infill	400	800	100	4	
800mm infill	800	800	100	8	
1200mm infill	1200	800	100	12	
1800mm infill	1800	800	100	18	
2200mm infill	2200	800	100	22	

Photometric Performance

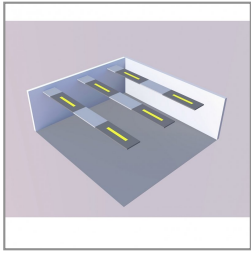


4800 Lumens
36W LED
LOR = 100.0%
SHR MAX = 1.60



7200 Lumens
51W LED
LOR = 100.0%
SHR MAX = 1.60

Performance Guide



Lamps	LED 6000 lumens
Illuminance	402 lux
Spacing	3 rows of 2 (55m ² Classroom)
Maintenance	0.8
Reflectance	70/50/20%
Ceiling Height	3.2m
Working plane	0.8m
Suspension	0.6m
Uniformity	0.65
Wall illuminance	55%
Ceiling illuminance	49%
Modelling	0.42
UGR	19

To Specify

Suspended LED acoustic and integrated services with concealed thick acoustic absorbers behind perforated side panels in a shallow 30° chamfered steel body. 2 segregated wiring channels and extruded reeded opal polycarbonate diffuser with linear prisms to minimise glare from all viewing angles – as Whitecroft Lighting FOIL SRD
