

foil single optic

acoustic suspended lighting system



Optics

- Light source options:
 - LED 3000 lumens (36W)
 - LED 3500 lumens (41W)
 - LED 4800 lumens (54W)
 - LED 5700 lumens (67W)
 - Precise pattern Hexaprism optic for all-round glare control and maximum efficiency
- Or
 - 1 x 25/28, 32/35, 45/49, 50/54W, 73/80W T5 Eco/T5
 - 2 x 45/49 T5 Eco/T5
 - Single cell louvre in semi specular zero iridescent MIRO 5 material or precise pattern Hexaprism optic for all-round glare control and maximum efficiency
- Light distribution: 80% down and 20% up (70:30 with Hexaprism optic). Up-light designed to give an asymmetric throw to aid vertical illuminance

Body

- 500mm or 700mm 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 and 1200mm lengths
- Perforated side panels of luminaire and infill panels contain either 46mm or 30mm acoustic material
- Twin adjustable wire suspension kits 1.5m maximum drop
- 2 segregated cable conduits, excluding power in conduit
- 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
- High frequency and DALI dimming control gears available
- Two emergency options;
 - Integrated 3 hour Emergency (T5 product only)
 - Integrated Florin E3 Emergency (LED product only)
- 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, EasyTest, COMEPE or Central Battery

Order Codes

Foil LED Hexaprism 4K

700 wide 30mm Acoustics

3000 lumen 36W

4800 lumen 54W

3500 lumen 41W

5700 lumen 67W

HF Gear

FSAH73014KS

FSAH73024KS

FSAH73034KS

FSAH73044KS

3 hr Emergency

FSAH73014KSEM

FSAH73024KSEM

FSAH73034KSEM

FSAH73044KSEM

Foil Louvre

700 wide 30mm Acoustics

T5 1 x 25/28W

T5 1 x 32/35W

T5 1 x 45/49W

T5 1 x 50/54W

T5 1 x 73/80W

T5 2 x 45/49W

HF Gear

FSL730H128S

FSL730H135S

FSL730H149S

FSL730H154S

FSL730H180S

FSL730H249S

3 hr Emergency

FSL730H128SEM

FSL730H135SEM

FSL730H149SEM

FSL730H154SEM

FSL730H180SEM

FSL730H249SEM

Foil Hexaprism

700 wide 30mm Acoustics

T5 1 x 25/28W

T5 1 x 32/35W

T5 1 x 45/49W

T5 1 x 50/54W

T5 1 x 73/80W

T5 2 x 45/49W

HF Gear

FSP730H128S

FSP730H135S

FSP730H149S

FSP730H154S

FSP730H180S

FSP730H249S

3 hr Emergency

FSP730H128SEM

FSP730H135SEM

FSP730H149SEM

FSP730H154SEM

FSP730H180SEM

FSP730H249SEM

Accessories

400mm infill

800mm infill

1200mm infill

End caps 700mm

End caps 500mm

Suspension kit

FSL730INF400S

FSL730INF800S

FSL730INF1200S

FSL730ECS

FSL530ECS

FSLSUSKIT

Options

500MM WIDE OPTION

Replace the 7 with 5

i.e. FSL530H128S

46MM ACOUSTIC

ABSORPTION MATERIAL

Replace 30 with 46

FSL746H128S

WHITE FINISH

Replace S with W

i.e. FSL730H128W

DALI DIMMING

Replace H with Y

i.e. FSL730Y128S

COMMAND 4

Replace H with Q4Y

i.e. FSL730Q4Y128S

Emergency Options

EASYTEST

Add suffix /ET

i.e. FSL730H128S/ET

COMPEPS

Add suffix /EP

i.e. FSL730H128S/EP



Louvre Optic



Infill Panel

LED Performance

Colour Temp

4000K

Ra (CRI)

≥ 80

Life Expectancy

L₇₀ (50,000hrs)

Colour Consistency

MacAdam 3.5 SDCM

Equivalent Lamp Types

3000 Lumen Output

T5 lamp

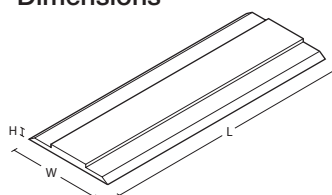
1 x 54W

4800 Lumen Output

T5 lamp

2 x 39W

Dimensions

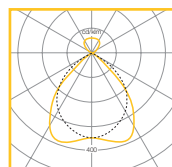


Version	L	W	H	KG	KG
500mm	2200	500	60	16	17
700mm	2200	700	60	19	20

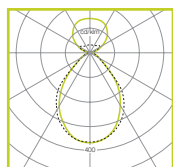
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 25W T5 Eco	2450	24,000hrs
1 x 32W T5 Eco	3100	24,000hrs
1 x 45W T5 Eco	4100	24,000hrs
1 x 50W T5 Eco	4400	24,000hrs
1 x 73W T5 Eco	6550	24,000hrs
1 x 28W T5	2625	24,000hrs
1 x 35W T5	3325	24,000hrs
1 x 39W T5	3100	24,000hrs
1 x 49W T5	4375	24,000hrs
1 x 54W T5	4450	24,000hrs
1 x 80W T5	6550	24,000hrs

Photometric Performance



1 x 35W T5
Foil Solo
• LOR = 84.7%
• SHR MAX = 1.66



54W LED
4800 lumens
• LOR = 100%
• SHR MAX = 1.35

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00
0.70	0.50	0.20	0.66	0.83
			0.87	

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00
0.70	0.50	0.20	0.65	0.87
			0.93	

To Specify

Suspended LED or T5 lighting, acoustic and integrated services with concealed thick acoustic absorbers behind perforated side panels in a shallow 30° chamfered steel body. 2 segregated wiring channels with either semi specular zero iridescent MIRO 5 material louvre or hexaprism diffuser – as Whitecroft Lighting FOIL Single Optic