

spear diffuser

IP44/IP20 recessed
diffuser luminaire



Optics

- Framed flat sheet TP(a) fire resistant prismatic diffuser, positively retained by wishbone side springs
- Smooth face to room side for easy cleaning
- Lamp options:
 - 3 or 4 x 14/24W T5

Body

- Steel body finished white
- IP44 to the void with frame in place, IP20 with frame removed
- Designed as a lay in on T15 and T25 ceilings
- Ceiling brackets required for prepared aperture ceilings or tegular tiles



Order Codes

Spear Diffuser	HF Gear	3 hr Emergency
T5 3 x 14W	SFPH314	SFPH314EMIN
T5 4 x 14W	SFPH414	SFPH414EMIN
T5 3 x 24W	SFPH324	SFPH324EMIN
T5 4 x 24W	SFPH424	SFPH424EMIN

Options

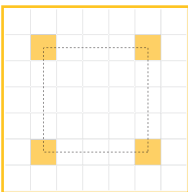
DALI DIMMING	Replace H with Y	i.e. SFPY314
SWITCH DIMMING	Replace H with X	i.e. SFPX314
EASYTEST	Add suffix /ET	i.e. SFPH314/ET
COMEPS	Add suffix /EP	i.e. SFPH314/EP
COMET	Add suffix /CT	i.e. SFPH314/CT
4 SLIDING BRACKETS FOR PLASTERBOARD CEILINGS AND TEGULAR TILES		BCNSB

Performance Guide

Lamps	Illuminance	Spacing
4 x 14W T5	490 lux	2.4m x 2.4m

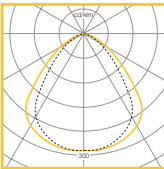
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 14W T5	1250	24,000hrs
1 x 24W T5	1750	24,000hrs



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.7m
Working Plane:
0.8m

Photometric Performance



4 x 14W T5
• LOR = 63.6%
• SHR MAX = 1.63

Utilisation Factors UF(F)

Room Reflectance	Room Index			
C	W	F	1.00	3.00
0.70	0.50	0.20	0.50	0.64

Ceiling Integration

Refer to common ceiling compatibility matrix – See page 404

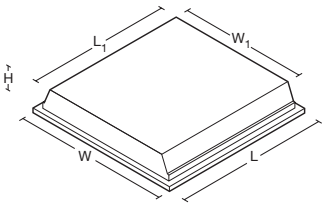
Exposed T Grids

T25 Lay in
T15 Lay in
T15/T25 Pull up (Sliding brackets required)

Plasterboard

Prepared aperture (Sliding brackets required)

Dimensions



Version	L	W	H	L ₁	W ₁	Prepared Aperture	KG	KG
Exposed T/Plasterboard	595	595	97	575	575	580 x 580	3.3	5.0

To Specify

Rigid fully boxed and jointed T5 recessed luminaire with positively retained framed TP(a) diffuser to be suitable for mounting above or below a T15 or T25 exposed T or in prepared aperture ceilings – as Whitecroft Lighting SPEAR DIFFUSER