



Optics

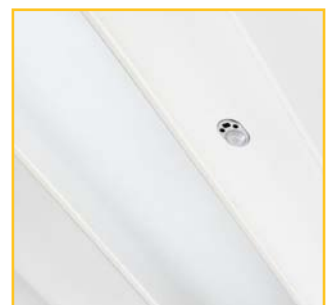
- Precise pattern Hexaprism optic for all-round glare control and maximum efficiency
- Intermediate Brightness Zone technology using Satine Acrylic material
- Single cell hexaprism light source options:
 - LED 1950 Lumen (25W)
 - 2 x 20W T5 ECO
 - 1 x 55W TC-L Amalgam
- Twin cell hexaprism light source options:
 - LED 3750 Lumen (46W)
 - 4 x 14W T5
 - 2 x 20W T5 ECO
 - 2 x 40W TC-L Amalgam
 - 2 x 55W TC-L Amalgam

Body

- Steel body finished white
- For 600 x 600mm grid ceilings
- One piece front frame and gear tray assembly for easy access and maintenance
- Compatible with the following ceiling types:
 - Exposed T 25mm flat
 - Exposed T 15mm tegular
 - Spring T
 - Plasterboard prepared aperture (using optional frame)
 - Alugrid 15/16 – 15/08
- Air handling:
 - 20L/sec for 2 x 20W
 - 30L/sec for all other variants



Softlighter Single Cell



COM4 Integration

softlighter

Order Codes

Softlighter Single Cell	HF Gear	3 hr Emergency
LED 1950 Lumen (25W)*	SLSY17PXT	SLSY17PXTEM
T5 2 x 20W ECO	SFSH220PXT	SFSH220PXTEM
TC-L 1 x 55W (Amalgam)	SFSH155PXT	SFSH155PXTEM

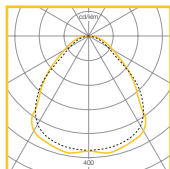
Softlighter Twin Cell	HF Gear	3 hr Emergency
LED 3750 Lumen (46W)*	SLTY35PXT	SLTY35PXTEM
T5 4 x 14W	SFTH414PXT	SFTH414PXTEM
T5 2 x 20W ECO	SFTH220PXT	SFTH220PXTEM
TC-L 2 x 40W (Amalgam)	SFTH240PXT	SFTH240PXTEM
TC-L 2 x 55W (Amalgam)	SFTH255PXT	SFTH255PXTEM

Options

DALI / SWITCH DIMMING	Replace H with Y	i.e. SFSY220PXT
EASYTEST	Add suffix /ET	i.e. SFSH220PXT/ET
COMEPS	Add suffix /EP	i.e. SFSH220PXT/EP
COMMAND 4	Replace H with Q4Y	i.e. SFSQ4Y220PXT
COMET	Add suffix /CT	i.e. SFSH220PXT/CT
SPRING T INTEGRATION	Replace XT with ST	i.e. SFSH220PST
PLASTERBOARD INSTALLATION FRAME		SFTPBF

*Note: DALI Dimming as standard on LED version

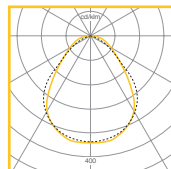
Photometric Performance



2 x 20W T5 Twin
• LOR = 86.6%
• SHR MAX = 1.61

Utilisation Factors UF(F)

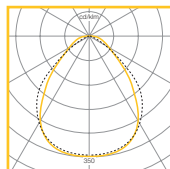
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.67	0.87	0.92



1 x 55W TC-L
• LOR = 77%
• SHR MAX = 1.52

Utilisation Factors UF(F)

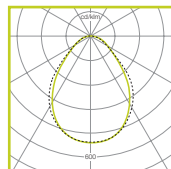
Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.57	0.75	0.80



2 x 40W TC-L
• LOR = 72.8%
• SHR MAX = 1.51

Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.57	0.73	0.77



46W LED
3750 lumens
• LOR = 100%
• SHR MAX = 1.40

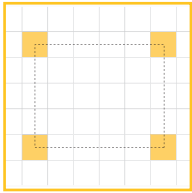
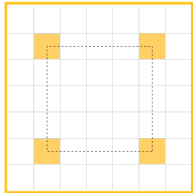
Utilisation Factors UF(F)

Room Reflectance			Room Index		
C	W	F	1.00	3.00	5.00
0.70	0.50	0.20	0.76	0.10	1.06

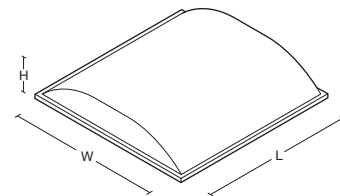
Lamp Performance

Wattage	IL@25°C	Lamp Life
1 x 14W T5	1250	24,000hrs
1 x 20W T5 ECO	1650	21,000hrs
1 x 40W TC-L (Amalgam)	3500	20,000hrs
1 x 55W TC-L (Amalgam)	4800	20,000hrs

Performance Guide

Lamps	Illuminance	Spacing	Lamps	Illuminance	Spacing
2 x 20W T5 Twin	360 lux	3.0m x 2.4m	4 x 14W T5 Twin	530 lux	2.4m x 2.4m
					
Maintenance: 0.8			Maintenance: 0.8		
Reflectance: 70/50/20			Reflectance: 70/50/20		
Ceiling Height: 2.7m			Ceiling Height: 2.7m		
Working Plane: 0.8m			Working Plane: 0.8m		

Dimensions



Version	L	W	H	Prepared Aperture	KG	KG 
Exposed T	584	584	95	—	4.4	5.4
Spring T	599	599	100	—	4.5	5.5
Plasterboard Frame	660	660	100	625 x 625 	6.4	7.4

Ceiling Integration

Refer to common ceiling compatibility matrix – See page 404

Exposed T Grids

T25 Lay in
T15 Tegular

Alugrids

SAS AL 15/16
SAS AL 15/08

Spring T Grids (add ST)

SAS – 150
Armstrong – Orcal 3000
Burgess – Clip in / A bar
Armstrong – Orcal 1800 Half Spring T
Burgess Clip in Half Spring T

Plasterboard (requires installation frame)

Prepared aperture

To Specify

Direct/indirect T5 or TC-L luminaire. Single or twin cell Hexaprism optic incorporating Intermediate Brightness Zone element to diffuse light and graduate brightness across the ceiling, mounted in a steel body painted white with air handling conversion as standard – as Whitecroft Lighting SOFTLIGHTER