



## 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 (21W)
  - 2 x 20W T5 ECO
  - 1 x 55W TC-L
- Twin cell hexaprism light source options:
  - LED 3750 Lumen (38W)
  - 4 x 14W T5
  - 2 x 20W T5 ECO
  - 2 x 40W TC-L
  - 2 x 55W TC-L

## 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

\* For specific Spring T ceilings only. See Ceiling Integration Guide or matrix – page 404



Softlighter Single Cell



COM4 Integration

# softlighter

## Order Codes

### Softlighter Single Cell

LED 1950 Lumen (21W)\*  
T5 2 x 20W ECO  
TC-L 1 x 55W

### HF Gear

SLSY17PXT  
SFSH220PXT  
SFSH155PXT

### 3 hr Emergency

SLSY17PXTEM  
SFSH220PXTEM  
SFSH155PXTEM

### Softlighter Twin Cell

LED 3750 Lumen (38W)\*  
T5 4 x 14W  
T5 2 x 20W ECO  
TC-L 2 x 40W  
TC-L 2 x 55W

### HF Gear

SLTY35PXT  
SFTH414PXT  
SFTH220PXT  
SFTH240PXT  
SFTH255PXT

### 3 hr Emergency

SLTY35PXTEM  
SFTH414PXTEM  
SFTH220PXTEM  
SFTH240PXTEM  
SFTH255PXTEM

## Options

DALI / SWITCH DIMMING

EASYTEST

COMEPS

COMMAND 4

COMET

SPRING T INTEGRATION\*\*

PLASTERBOARD INSTALLATION FRAME

Replace H with Y

Add suffix /ET

Add suffix /EP

Replace H with Q4Y

Add suffix /CT

Replace XT with ST

i.e. SFSY220PXT

i.e. SFSH220PXT/ET

i.e. SFSH220PXT/EP

i.e. SFSQ4Y220PXT

i.e. SFSH220PXT/CT

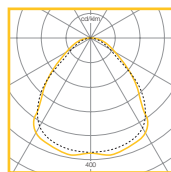
i.e. SFSH220PST

SFTPB

\*Note: DALI Dimming as standard on LED version

\*\* For specific Spring T ceilings only. See Ceiling Integration Guide

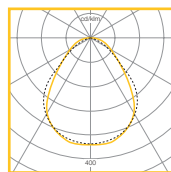
## Photometric Performance



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

### Utilisation Factors UF(F)

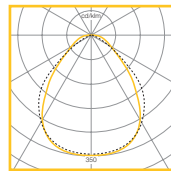
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.67 0.87 0.92 |



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

### Utilisation Factors UF(F)

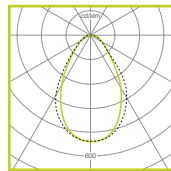
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.57 0.75 0.80 |



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 |



38W LED  
3750 lumens  
• LOR = 100%  
• SHR MAX = 1.40

### Utilisation Factors UF(F)

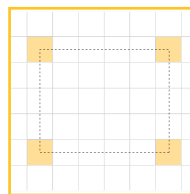
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.76 0.10 1.06 |

## 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   | 3500    | 20,000hrs |
| 1 x 55W TC-L   | 4800    | 20,000hrs |

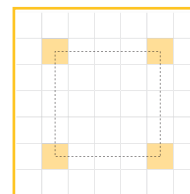
## Performance Guide

| Lamps           | Illuminance | Spacing     |
|-----------------|-------------|-------------|
| 2 x 20W T5 Twin | 360 lux     | 3.0m x 2.4m |



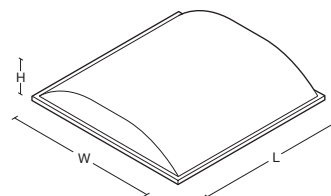
Maintenance: 0.8  
Reflectance: 70/50/20  
Ceiling Height: 2.7m  
Working Plane: 0.8m

| Lamps           | Illuminance | Spacing     |
|-----------------|-------------|-------------|
| 4 x 14W T5 Twin | 530 lux     | 2.4m x 2.4m |



Maintenance: 0.8  
Reflectance: 70/50/20  
Ceiling Height: 2.7m  
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 3/8     | 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

## LED Performance

| Colour Temp | Ra (CRI) | Life Expectancy             | Colour Consistency |
|-------------|----------|-----------------------------|--------------------|
| 4000K       | ≥ 80     | L <sub>77</sub> (50,000hrs) | MacAdam 3 SDCM     |

## To Specify

Direct/indirect T5, TC-L or LED 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