



## 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

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



Softlighter Single Cell



COM4 Integration

# softlighter

## Order Codes

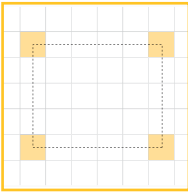
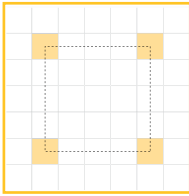
|                                |                |                       |
|--------------------------------|----------------|-----------------------|
| <b>Softlighter Single Cell</b> | <b>HF Gear</b> | <b>3 hr Emergency</b> |
| LED 1950 Lumen (25W)*          | SLSY17PXT      | SLSY17PXTEM         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

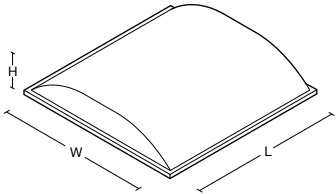
|                                 |                    |                    |
|---------------------------------|--------------------|--------------------|
| DALI / SWITCH DIMMING           | Replace H with Y   | i.e. SFSY220PXT    |
| EASYTEST                        | Add suffix /ET     | i.e. SFSH220PXT/ET |
| 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  
\*\* For specific Spring T ceilings only. See Ceiling Integration Guide

## Performance Guide

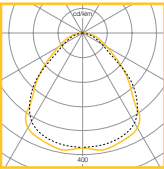
| Lamps                                                                              | Illuminance | Spacing     | Lamps                                                                               | Illuminance | Spacing     |
|------------------------------------------------------------------------------------|-------------|-------------|-------------------------------------------------------------------------------------|-------------|-------------|
| 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                                                                                      |

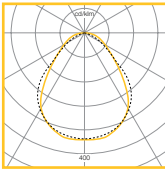
## Photometric Performance



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

### Utilisation Factors UF(F)

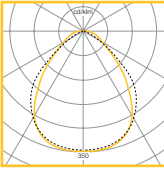
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.67 0.87 0.92 |



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

### Utilisation Factors UF(F)

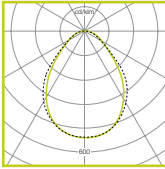
| Room Reflectance | Room Index     |
|------------------|----------------|
| C W F            | 1.00 3.00 5.00 |
| 0.70 0.50 0.20   | 0.57 0.75 0.80 |



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 |

## 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