

# spear

**Recessed fluorescent:** Fluorescent T5 luminaire

## APPLICATION

### Commercial

- Offices
- Reception areas
- Retail applications
- Corridors

## SPECIFICATION

### Body

- Suitable for T15 or T25 exposed tee, lay in
- To align with tegular tiles and to fit cut apertures in plasterboard the universal bracket kit must also be ordered. This is reversible to suit different ceiling types
- Body fully boxed and flanged with welded corners for high rigidity
- 0.7mm gauge steel finished White to RAL 9010
- Body depth 61mm
- Installation depth for the lay in option is 150mm, tegular and plasterboard options 52mm
- Flanged body eliminates light spill
- High frequency or high frequency dimming gear as standard
- Fused terminal block

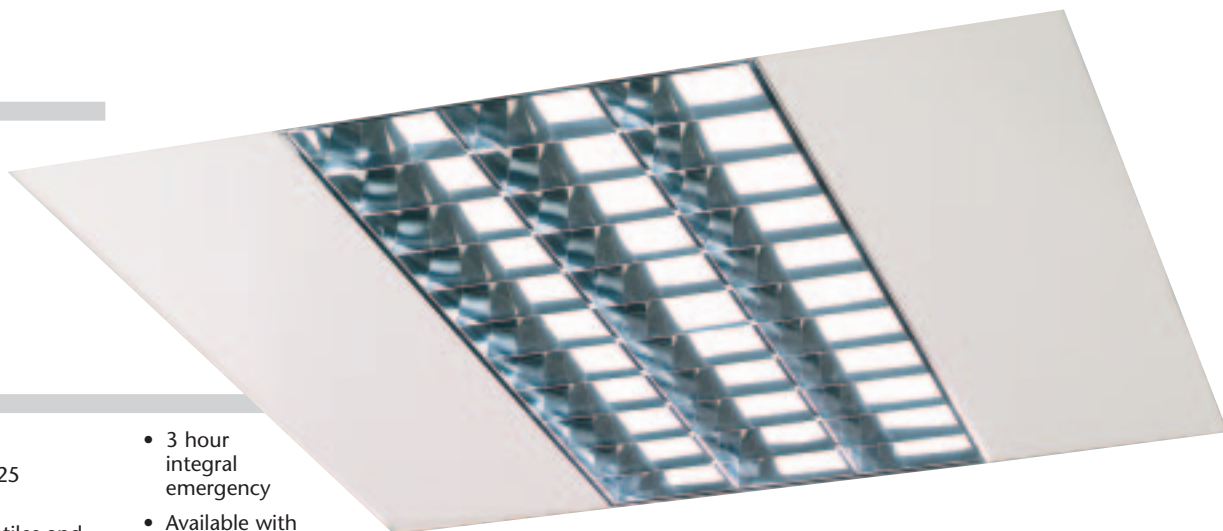
- 3 hour integral emergency
- Available with specular or semi-specular louvres
- Air handling 25 litres per second as standard
- Lamps not supplied

### Louvre

- Cat 2.200 or Cat 2.500 high purity zero iridescent louvres
- Closed top wedge
- Positive louvre spring retention

### Options

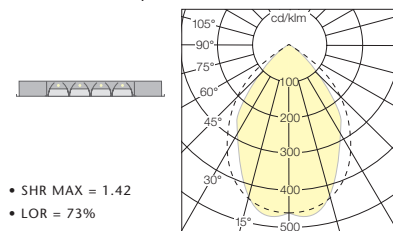
-  Easytest – integral self test version available see page 181
-  Command 3 – intelligent integrated lighting control system optional see page 197



## PHOTOMETRY

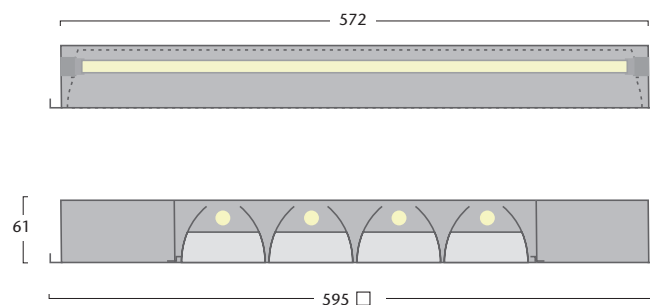
### Spear

LG3 CAT2 LUMINAIRE  
3 x 14W T5 Lamps



| UTILISATION FACTORS UF(F) |      |      |                 |      |      | SHR NOM = 1.25 |      |      |      |      |      |
|---------------------------|------|------|-----------------|------|------|----------------|------|------|------|------|------|
| Room Reflectance          |      |      | Room Index..... |      |      |                |      |      |      |      |      |
| C                         | W    | F    | 0.75            | 1.0  | 1.25 | 1.5            | 2.0  | 2.5  | 3.0  | 4.0  | 5.0  |
| 0.70                      | 0.50 | 0.20 | 0.55            | 0.62 | 0.66 | 0.69           | 0.72 | 0.74 | 0.76 | 0.78 | 0.79 |
| 0.50                      | 0.30 | 0.20 | 0.51            | 0.57 | 0.61 | 0.64           | 0.68 | 0.70 | 0.72 | 0.74 | 0.75 |
| 0.00                      | 0.00 | 0.00 | 0.47            | 0.53 | 0.57 | 0.59           | 0.62 | 0.64 | 0.66 | 0.67 | 0.68 |

#### DIMENSIONS



#### WEIGHT

| LAMP WAYS | WEIGHT KG |
|-----------|-----------|
| 3/4 x 14W | 4.5       |
| Emergency | 5.5       |

#### LAMP PERFORMANCE MATRIX

| WATTAGE    | IL@25°C | LAMP LIFE |
|------------|---------|-----------|
| 1 x 14W T5 | 1200    | 20,000    |

#### ORDER CODES – SPEAR

##### T5 RECESSED FLUORESCENT LUMINAIRE SOLUTION

| SUPPLIED LESS LAMP                                                                                     | GEAR                            | LOUVRE                  | RECESSED        |
|--------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|-----------------|
| 3 x 14W                                                                                                | High Frequency                  | W2.200<br>Specular      | <b>S2W2H314</b> |
| 4 x 14W                                                                                                | High Frequency                  |                         | <b>S2W2H414</b> |
| 3 x 14W                                                                                                | High Frequency Analogue Dimming |                         | <b>S2W2R314</b> |
| 4 x 14W                                                                                                | High Frequency Analogue Dimming |                         | <b>S2W2R414</b> |
| 3 x 14W                                                                                                | High Frequency                  | W2.500<br>Semi-Specular | <b>S2W5H314</b> |
| 4 x 14W                                                                                                | High Frequency                  |                         | <b>S2W5H414</b> |
| 3 x 14W                                                                                                | High Frequency Analogue Dimming |                         | <b>S2W5R314</b> |
| 4 x 14W                                                                                                | High Frequency Analogue Dimming |                         | <b>S2W5R414</b> |
| Universal bracket kit which is required for plasterboard ceilings and for alignment with tegular tiles |                                 |                         | <b>S2BKIT</b>   |

**EMERGENCY** Add suffix to order codes above

**EMIN** 3 hour maintained fully integral emergency for all versions, i.e. S2W2H314**EMIN**

**COMMAND 3**  Substitute H with C in order code

**C** To incorporate the fully automated Command absence and light sensing module, i.e. S2W2**C**314

**EASYTEST OPTION** Add suffix to order codes above

**/ET**  Integral self autotest, i.e. S2W2C314/**ET**

QuickLink **SPER** Go

**To specify state:**

Fully recessed T5 LG3 Cat 2 luminaire. Positively retained wedge louvre with full perimeter flange and full depth profiled end blade – as Whitecroft Lighting SPEAR