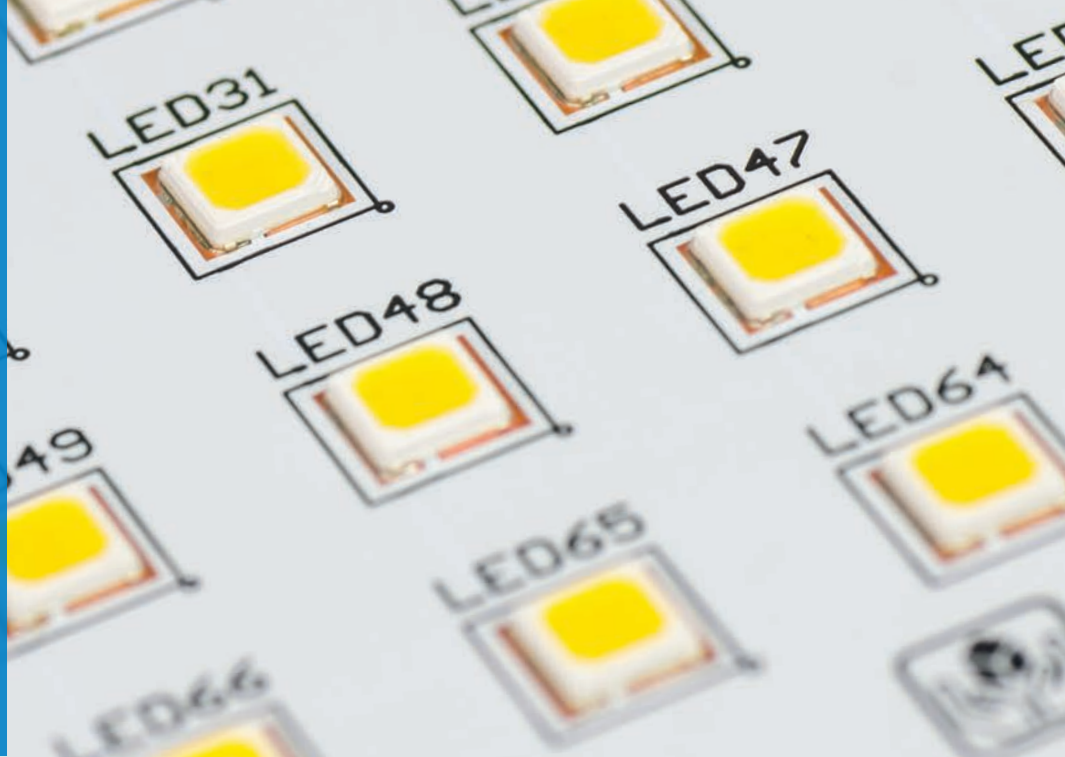
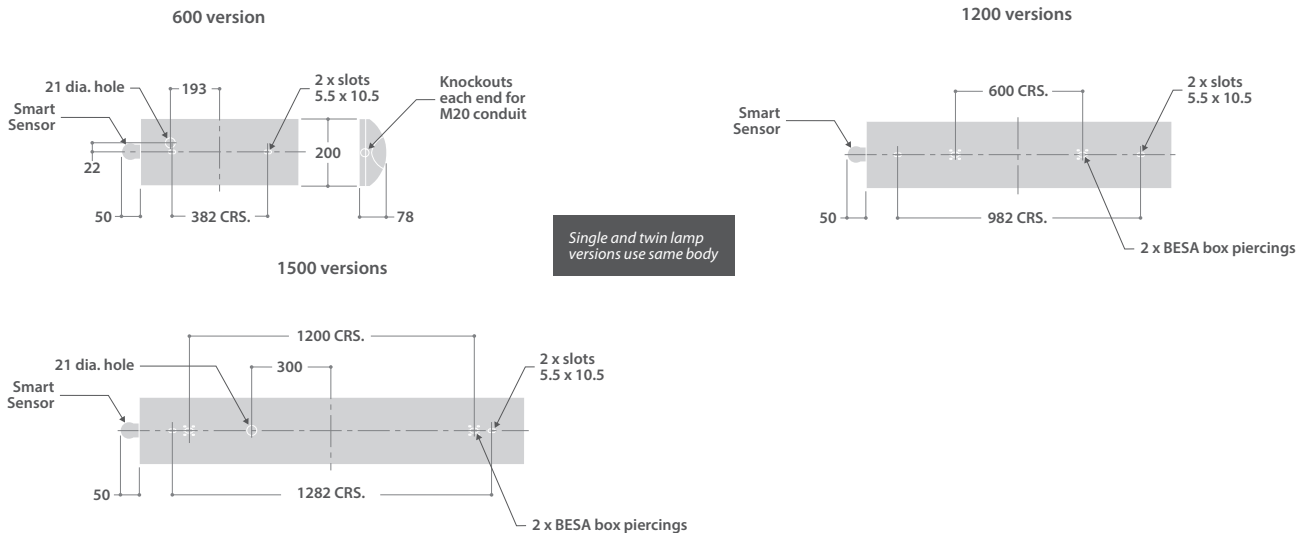


# JUBILEE LED LIGHT ENGINE

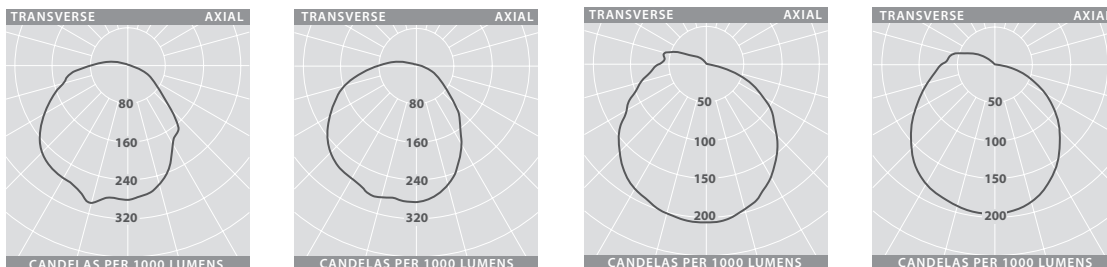
The Thorlux light engine uses the very latest "medium power" white LEDs placed onto a specially designed circuit board (patent applied for) providing excellent thermal management together with LED failure protection and surge / high voltage protection. A truly fit and forget, well-engineered, dedicated light engine having a life expectancy well in excess of 60,000 hours.



## DIMENSIONS



## PHOTOMETRIC GUIDE



**LED**  
Luminaire Lumen Output:  
31W = 4135lm  
43W = 6155lm  
51W = 7190lm

**LED**  
Luminaire Lumen Output:  
18W = 2440lm  
21W = 2865lm  
30W = 3970lm

**1 x 28W T5**  
D.L.O.R. 77% / U.L.O.R. 11%  
Factors:  
1 x 35W = 0.91  
1 x 49W = 0.86

**2 x 28W T5**  
D.L.O.R. 66% / U.L.O.R. 9%  
Factors:  
2 x 14W = 1.08  
2 x 35W = 1.10  
2 x 49W = 0.98



## SURFACE MOUNTED SHALLOW PROFILE CONTROLLER LUMINAIRES FOR T5 LAMPS AND LEDs



### SPECIFICATION

- Steel body finished full polyester, non-yellowing white
- Shallow profile with co-extruded 'Satin-Glo' polycarbonate controller
- Smart versions with intelligent lighting control
- Optional SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit.
- Specially wavelength optimised diffuser for LED technology achieves up to 141 lumens per "lamp" watt.
- Fitted with 4000K LEDs

### LED CHARACTERISTICS

|                    |                      |
|--------------------|----------------------|
| CRI                | <b>80+</b>           |
| COLOUR TEMPERATURE | <b>4000K</b>         |
| RATED LIFE (HOURS) | <b>63K - L80/B10</b> |
| PROTECTION         | <b>LUX GUARD</b>     |
| DRIVER EFFICIENCY  | <b>&gt;85%</b>       |
| REPLACEABLE        | <b>YES</b>           |
| POWER FACTOR       | <b>&gt;0.95</b>      |
| <b>LL/CW</b>       | <b>125.6</b>         |

For LED characteristics explanation see [www.thorlux.com/led-characteristics](http://www.thorlux.com/led-characteristics)



Learn more about SmartScan at: [www.thorlux.com/smartsan](http://www.thorlux.com/smartsan)

**CIRCUIT TYPE** - suffix catalogue number with:

- SMART** D - Smart / SS - SmartScan
- STANDARD** J - non-dimming (HF fluorescent) / L - non-dimming (LED) / D - dimming (1-10V) / T - dimming (DSI) / A - dimming (DALI) e.g. **JUB 16945SS** etc.

### RANGE

|                 | NOMINAL SIZE (mm)      | LAMP              | CAT. No.          | LENGTH (mm) | APPROX. kg | CIRCUIT |
|-----------------|------------------------|-------------------|-------------------|-------------|------------|---------|
| <b>SMART</b>    | <b>LED Version</b>     |                   |                   |             |            |         |
|                 | 1200                   | 18W LED           | <b>JUB 16945</b>  | 1245        | 5.2        | D/SS    |
|                 |                        | 31W LED           | <b>JUB 16946</b>  |             | 5.2        | D/SS    |
|                 | 1500                   | 21W LED           | <b>JUB 16502</b>  | 1545        | 6.6        | D/SS    |
|                 |                        | 30W LED           | <b>JUB 16503</b>  |             | 6.6        | D/SS    |
|                 |                        | 43W LED           | <b>JUB 16504</b>  |             | 6.6        | D/SS    |
|                 |                        | 51W LED           | <b>JUB 16505</b>  |             | 6.6        | D/SS    |
|                 | <b>T5 Lamp Version</b> |                   |                   |             |            |         |
|                 | 600                    | 2 x 14W T5        | <b>JUB 13616D</b> | 645         | 3.1        |         |
|                 | 1200                   | 1 x 28W T5        | <b>JUB 13077D</b> | 1245        | 4.1        |         |
| 2 x 28W T5      |                        | <b>JUB 13078D</b> | 4.2               |             |            |         |
| 1 x 35W T5      |                        | <b>JUB 13079D</b> | 5.1               |             |            |         |
| 1500            | 2 x 35W T5             | <b>JUB 13080D</b> | 1545              | 5.2         |            |         |
|                 | 1 x 49W T5             | <b>JUB 13081D</b> |                   | 5.1         |            |         |
|                 | 2 x 49W T5             | <b>JUB 13082D</b> |                   | 5.2         |            |         |
| <b>STANDARD</b> | <b>LED Version</b>     |                   |                   |             |            |         |
|                 | 1200                   | 18W LED           | <b>JUB 16947</b>  | 1195        | 5.1        | L/A     |
|                 |                        | 31W LED           | <b>JUB 16948</b>  |             | 5.1        | L/A     |
|                 | 1500                   | 21W LED           | <b>JUB 16506</b>  | 1495        | 6.5        | L/A     |
|                 |                        | 30W LED           | <b>JUB 16507</b>  |             | 6.5        | L/A     |
|                 |                        | 43W LED           | <b>JUB 16508</b>  |             | 6.5        | L/A     |
|                 |                        | 51W LED           | <b>JUB 16509</b>  |             | 6.5        | L/A     |
|                 | <b>T5 Lamp Version</b> |                   |                   |             |            |         |
|                 | 600                    | 2 x 14W T5        | <b>JUB 13612</b>  | 595         | 3.0        | J/D/T   |
|                 | 1200                   | 1 x 28W T5        | <b>JUB 13061</b>  | 1195        | 4.0        | J/D/T   |
| 2 x 28W T5      |                        | <b>JUB 13062</b>  | 4.1               |             | J/D/T      |         |
| 1500            | 1 x 35W T5             | <b>JUB 13065</b>  | 1495              | 5.0         | J/D/T      |         |
|                 | 2 x 35W T5             | <b>JUB 13066</b>  |                   | 5.1         | J/D/T      |         |
|                 | 1 x 49W T5             | <b>JUB 13067</b>  |                   | 5.0         | J/D/T      |         |
|                 | 2 x 49W T5             | <b>JUB 13068</b>  |                   | 5.1         | J/D/T      |         |

**EMERGENCY VERSION** - prefix catalogue number with:

- EJB** - Emergency / **TJB** - AutoTest / **WJB** - SmartScan (LED version only) e.g. **WJB 16945SS** etc.

Add 0.7kg to weights listed for lamp versions or 0.3kg for LED versions.

Lamps must be ordered separately