



LED LIGHT ENGINE

The Thorlux light engine uses the very latest "medium power" white LEDs placed onto a specially designed circuit board (patented LUX GUARD technology) 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 100,000 hours.

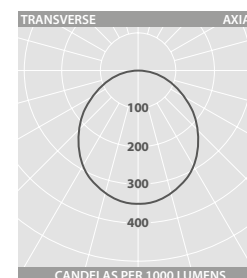
PERFORMANCE GUIDE

Typical task area illuminance assuming an open area with good reflection factors, 0.85 maintenance factor and a 2.65 metre ceiling height.

	LED	SPACING (Metres)	LUX AVERAGE 70/50/20	LUX AVERAGE 80/60/30
OPEN PLAN	20W	3.0 x 3.0	295	335
		3.0 x 2.4	360	405
		2.4 x 2.4	435	490
	26W	3.0 x 3.0	370	415
		3.0 x 2.4	450	505
		2.4 x 2.4	545	610
	38W	3.0 x 3.0	510	575
		3.0 x 2.4	620	700
		2.4 x 2.4	750	845
	74W	3.0 x 3.0	950	1070
		3.0 x 2.4	1150	1290
		2.4 x 2.4	1390	1560

	LED	SPACING (Metres)	LUX AVERAGE 70/50/20	LUX AVERAGE 80/60/30
CORRIDOR	20W	5.4	130	150
	26W	5.4	165	190
	38W	5.4	225	260
	74W	5.4	410	480

PHOTOMETRIC GUIDE



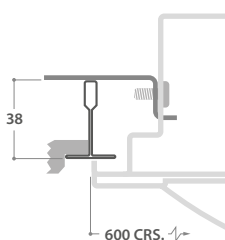
Luminaire Lumen Output
 20W = 3015lm
 26W = 3770lm
 38W = 5210lm
 74W = 9870lm

WEB LINK >
 "PLUG AND PLAY"
 LIGHTING CABLE
 MANAGEMENT

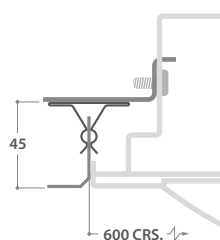


MOUNTING ARRANGEMENTS

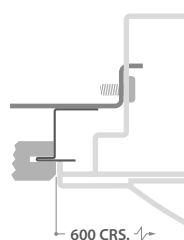
Exposed T-bar
(15mm or 24mm)



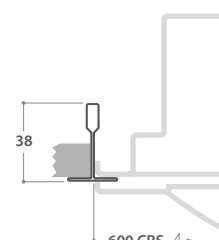
Spring Tee



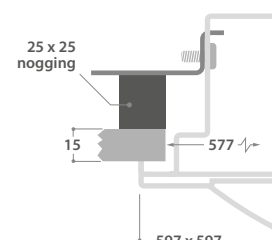
Concealed



Lay-in on Exposed T-bar
(15mm or 24mm)



Plasterboard Ceiling



RECESSED LUMINAIRES WITH DOMED POLYCARBONATE DIFFUSER



SPECIFICATION

- Steel body finished full polyester, non-yellowing white
- Shallow body depth
- Domed diffuser provides wall and ceiling illumination
- Suitable for most ceiling types. Lay-in or pull-up with side arm suspensions
- Designed to exclude dust, dirt and flies. All control gear is outside the lamp enclosure
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit
- Fitted with 4000K LEDs

RANGE

	NOMINAL SIZE (mm)	LED	CAT. No.	APPROX. kg	CIRCUIT
SMART	600 x 600	20W	SD 17623	6.9	D/SS
		26W	SD 16530	6.9	D/SS
		38W	SD 16531	6.9	D/SS
		74W	SD 17625	6.9	D/SS
STANDARD	600 x 600	20W	SD 17627	6.7	L/A
		26W	SD 16532	6.7	L/A
		38W	SD 16533	6.7	L/A
		74W	SD 17629	6.7	L/A

CIRCUIT TYPE - suffix catalogue number with:

SMART D - Smart / SS - SmartScan

STANDARD L - non-dimming (LED) / A - dimming (DALI) e.g. **SD 17623SS** etc.

EMERGENCY VERSION - prefix catalogue number with:

ESD - Emergency } (Not available when selecting the 'SS' suffix)

TSD - AutoTest

WSD - SmartScan (Only available when selecting the 'SS' suffix)
e.g. **WSD 17623SS** etc.

Add 0.3kg to weights listed.

LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K - L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>85%
REPLACEABLE	YES
POWER FACTOR	>0.9
LL/CW	131.1

For LED characteristics explanation see
www.thorlux.com/led-guide

SmartScan Configurations



Find out more at www.thorlux.com/smartsan

DIMENSIONS

