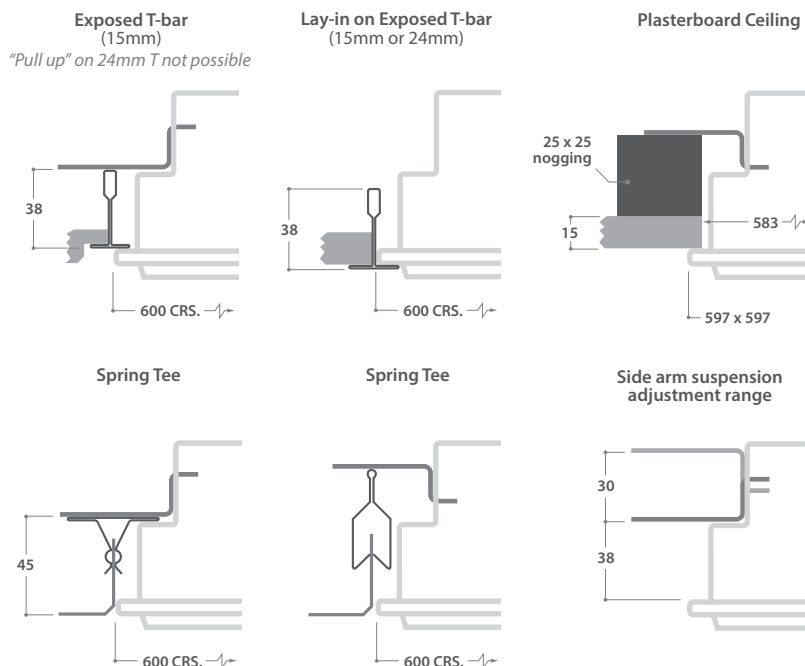


VIVA

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. The circuit boards use either 196 LEDs (36W) or 144 LEDs (16W/21W) and are connected to the body using a high quality multi-way plug connector. A truly fit and forget, well-engineered, dedicated light engine having a life expectancy well in excess of 90,000 hours.

MOUNTING ARRANGEMENTS

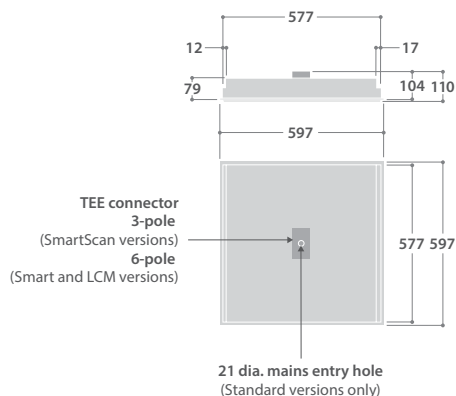


PERFORMANCE GUIDE

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	80/60/30
16W	3.0 x 3.0	240	270
	3.0 x 2.4	300	330
	2.4 x 2.4	360	410
21W	3.0 x 3.0	330	370
	3.0 x 2.4	400	460
	2.4 x 2.4	500	550
36W	3.0 x 3.0	530	580
	3.0 x 2.4	650	720
	2.4 x 2.4	780	880

DIMENSIONS



ACCESSORY

DESCRIPTION	CAT. No.
Optional side arm suspension kit ▲	XL 11138

▲ 4 arms per kit - not required for lay-in mounting

WEB LINK >
"PLUG AND PLAY"
LIGHTING CABLE
MANAGEMENT



SUPREME EFFICIENT LED RECESSED OFFICE VDT LUMINAIRES WITH MICROPRISM LENS



SPECIFICATION

- Steel body finished full polyester non-yellowing satin white (RAL 9016)
- Shallow body depth
- Supremely efficient lens system - 144 lumens per "lamp" watt
- Excellent glare cut back above 65°. LG7:2015 (<1500cd/m² @ 65°)
- Lively LED effect
- Construction maintains ceiling "lines" with no protrusion into space
- Suitable for most ceiling types
- Designed to exclude dust, dirt and flies from lamp compartment
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit
- Fitted with 4000K LEDs

LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	91K - L80/B10
PROTECTION	LUX GUARD
DRIVER EFFICIENCY	>85%
REPLACEABLE	YES
POWER FACTOR	>0.9

LL/CW 125.8

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

RANGE

	NOMINAL SIZE (mm)	LED	CAT. No.	APPROX. kg	CIRCUIT
SMART	600 x 600	16W	VV 17588	6.4	D/SS
		21W	VV 16534	6.4	D/SS
		36W	VV 16869	6.4	D/SS
STANDARD	600 x 600	16W	VV 17589	6.3	L/A
		21W	VV 16536	6.3	L/A
		36W	VV 16537	6.3	L/A

CIRCUIT TYPE - suffix catalogue number with:

SMART D - Smart / **SS** - SmartScan

STANDARD L - non-dimming (LED) / **A** - dimming (DALI) e.g. **VV 17588SS** etc.

EMERGENCY VERSION - prefix catalogue number with:

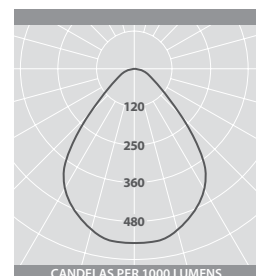
EVV - Emergency
TVV - AutoTest (Not available when selecting the 'SS' suffix)

WVV - SmartScan (Only available when selecting the 'SS' suffix)
e.g. **WVV 17588SS** etc.

Add 0.3kg to weights listed



PHOTOMETRIC GUIDE



Luminaire Lumen Output:
16W = 2215lm
21W = 3020lm
36W = 4775lm

SmartScan Configurations



Find out more at www.thorlux.com/smartsan