Tau

LED recessed luminaires for clean and sterile environments

The Thorlux Tau is an IP65-sealed LED luminaire that satisfies the requirements of FS209D class 1000 and ISO14644-1 class 6.

Tau's design ensures that the ceiling integrity is maintained at all times, even when the cover is removed. Tau outputs 4000 K temperature light with a CRI 80 colour quality level as standard, making it a flexible, reliable choice for demanding working environments where both cleanliness and precision are required.

Applications: clean and sterile environments, pharmacies, hospitals, laboratories, electronics, semiconductor manufacturing, and food preparation.

- Ceiling integrity retained when cover removed
- Satisfies the requirements of FS209D class 1000, ISO14644-1 class 6
- Fits 24 mm exposed T-bar and plasterboard ceilings
- SmartScan wireless technology removes the need for control cabling. Ideal for retro-fit

Notes: Other ceiling types / CRI 90 4000K LED / Low glare versions available to special order



IP65 (IP54 above ceiling) **Up to 121.7 LL/CW** SMARTSCAN LUXGUARD

Specification

Mounting	**Recessed**	IP rating	**IP65 (IP54 above ceiling)**
Nominal size	**600 x 600 mm** **1200 x 600 mm**	Max presence detection height	**8 m**

Lighting

Optic	**Satin diffuser**	Lumen output	**5,390 lm - 11,990 lm**
Efficacy	**Up to 121.7 LL/CW**		

Emergency data

Emergency lumen output	**455 lm - 510 lm**	Emergency type	**Maintained**
Emergency duration	**3 hours**	Battery specification	**Lithium Iron Phosphate (LiFePO4)**

Tau

Power

LED power	**45 W - 90 W**	Circuit power	**50 W - 99 W**

Construction

Housing	**Steel body with aluminium frame**	Finish	**Full polyester powder coat**
Body colour	**Satin white (RAL9016)**	Optical assembly	**Polycarbonate diffuser**
Gasket	**White EPDM closed cell gasket**		

LED characteristics

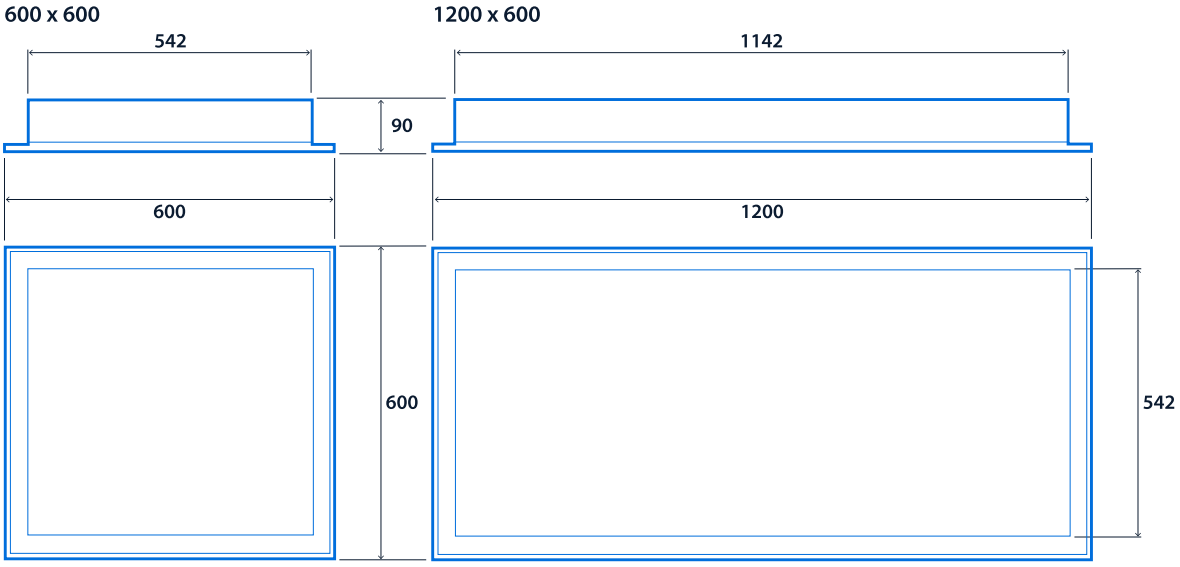
CRI	**80+**	Colour temperature	**4000 K**
Rated life (hours)	**100 K - L80/B10**	LED protection	**LUX Guard**
Driver efficiency	**>90%**	Replaceable light source	**Yes**
Power factor	**>0.9**	MacAdam ellipse	**3 Step**
Flicker metric	**IEC TR 61547-1: PstLM ≤1.0 / SVM ≤0.4**		

Compliance

UKCA	**Yes**	CE	**Yes**
C-Tick (Aus)	**Yes**	Thermoplastic rating	**TP(a)**
Cleanroom classifications	**FS209D class 1,000** **ISO 14644-1 class 6**		

Tau

Dimensions



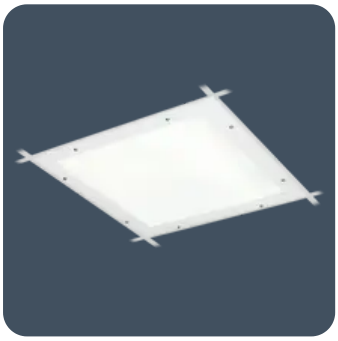
Tau

Range

	Nominal size	LED power	Emergency system (optional)	CAT. No.	Lighting control system
SmartScan	600 x 600 mm	45 W	**W**	**TU17205**	**SS**
		54 W	**W**	**TU17206**	**SS**
	1200 x 600 mm	76 W	**W**	**TU17207**	**SS**
		90 W	**W**	**TU17208**	**SS**
Standard	600 x 600 mm	45 W	-	**TU17209**	**A / L**
		54 W	-	**TU17210**	**A / L**
	1200 x 600 mm	76 W	-	**TU17211**	**A / L**
		90 W	-	**TU17212**	**A / L**

Emergency system - prefix catalogue number with **W** SmartScan Emergency
Lighting control system - suffix catalogue number with **SS** SmartScan Internal / **A** Dimming (DALI) / **L** Non-dimming

E.g. **WTU17205SS** = 45 W / SmartScan Emergency / SmartScan Internal





Click or scan here

View Tau variants using our online filtering tool



Information is correct as of 16 Nov 2026, however must not be interpreted as a guarantee of individual product performance and/or characteristics. We reserve the right to alter specifications and designs without prior notice.