

 SOLITE

TAU



TAU RANGE

Front access luminaires designed for modular 'T', cut aperture and spring 'T' ceilings



124 LL/CW

Low glare lens

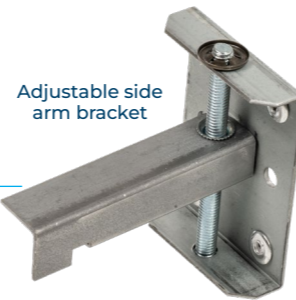


FEATURES

- ✓ IP65 (front) / IP54 (rear)
- ✓ Optics re-designed to achieve 124 LL/CW
- ✓ Corrosion resistant polyester powder coated zinc plated steel body and welded extruded aluminium diffuser frame
- ✓ Diffuser available in fire retardant TP(a), satin polycarbonate, clear polycarbonate or chemical resistant toughened glass with low glare lens
- ✓ Easily adjustable side-arms for simple room-side installation
- ✓ Patented PCB design to maintain lumen output in the event of individual LED failure (Lux Guard)
- ✓ Customisable LED colour, CCT and CRI PCBs to suit different applications
- ✓ Dedicated body designs for a range of spring T ceilings to ensure optimal fitment and sealing
- ✓ High output emergency for high risk areas
- ✓ Integrated controls, lighting management and intelligence (SmartScan)



Satin opal diffuser



Adjustable side arm bracket



LIFE CYCLE FEATURES REDUCE, REUSE, RECYCLE

All PCBs manufactured in-house so that spares and upgrades are readily available

Removable LED platform for improved sustainability and a longer life cycle

LED lifetimes in excess of 100k hours

Fully recyclable body, frame and diffuser

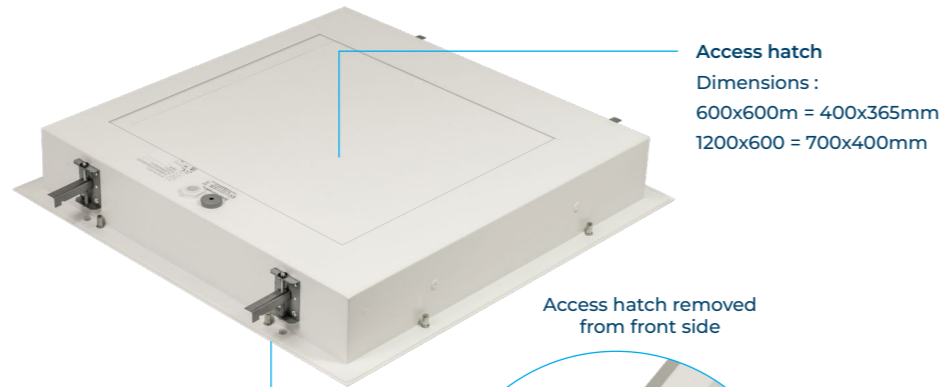
Manufactured in a carbon neutral facility in the UK, assessed in accordance with ISO14064

Life Cycle Assessments (LCA) can be issued on request.

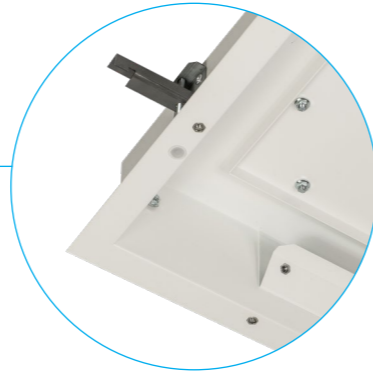


OPTIONS

- Through access hatch
(For direct access above luminaire)
- Quick release hatch *(special order)*
- Screwless frame
- Stainless steel frame
- Low glare lens
- Anti Microbial paint - ANTI-MIC



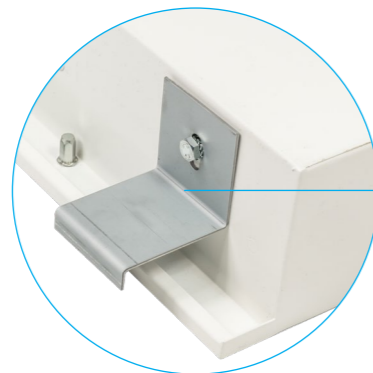
Access hatch removed from front side



Screwless frame

DESIGN

Dedicated body designs for a range of spring T ceilings to ensure optimal fitment and sealing



Spring T

- Burgess Spring Tee SAS 120
- Spring Tee SAS 150 Spring Tee
- Armstrong Orcal Clip-in (1800 Spring Tee)
- Armstrong Orcal Clip-in (3000 Spring Tee)

To specify – IP65/54 recessed cleanroom luminaire with extruded aluminium frame and option for satin polycarbonate, low glare and chemical resistant glass diffusers. LED light engine providing 100,000 hour life, 4000K, CRI 80+ and LUX Guard LED PCB protection. Supplied with external mounting brackets. Control gear and LED circuit boards replaceable for future maintenance – as Solite Tau range

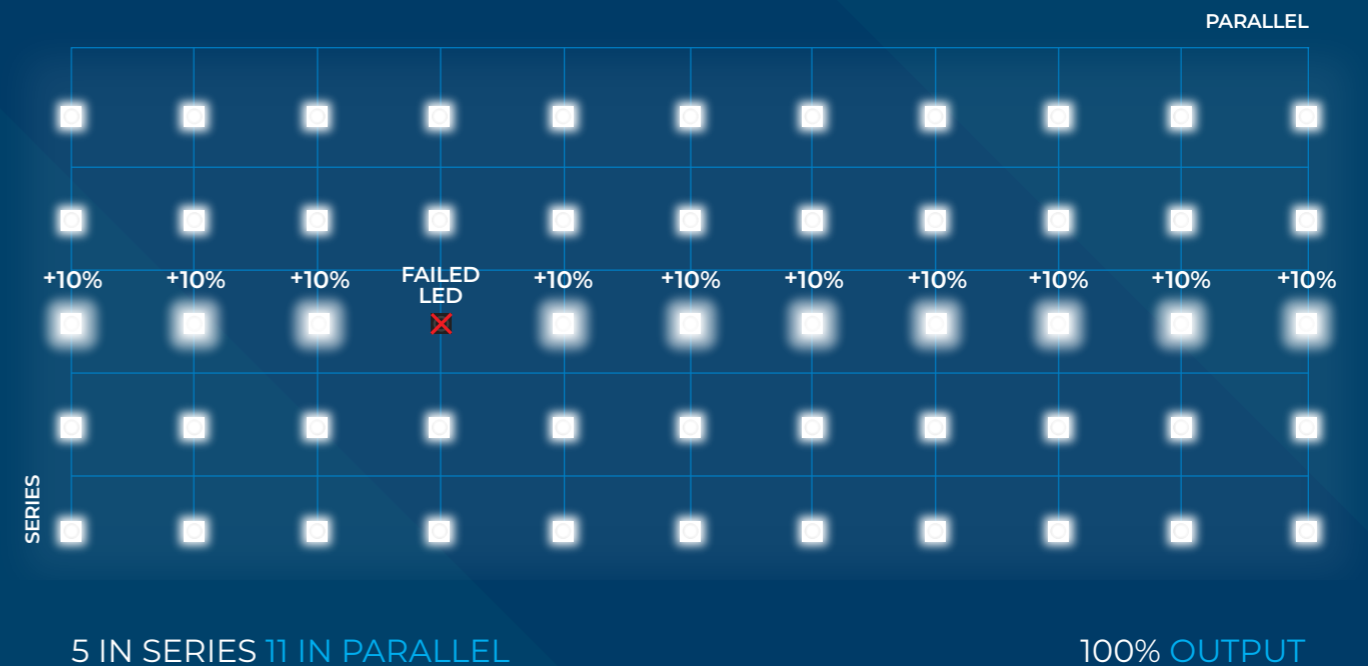


LUX GUARD. INTELLIGENT LED SYSTEM PROTECTION.

LUX Guard by Thorlux is a patented current sharing PCB and circuit design philosophy. If an LED fails then its current is shared via neighbouring circuits, with each LED's brightness increasing slightly to compose.

LUX Guard ensures that Solite luminaires continue to operate and provide their designed lumen performance, even in the case of nuisance LED failures, reducing the maintenance costs of a project.

LUX GUARD PROTECTED CIRCUIT EXAMPLE



TAU

For modular 'T' and cut aperture ceilings.



RANGE

WATTAGE	CAT. NO.	NOMINAL SIZE	CUT APERTURE	LUMENS	LL/CW	APROX. kg
29	Tau 2226WLED4S	600 mm x 600 mm	575 mm x 575 mm	3290	113	10.5
42	Tau 2238WLED4S			4593	109	
50	Tau 2245WLED4S			5390	108	
61	Tau 2254WLED4S			6416	105	
74	Tau 2268WLED4S			7574	102	
59	Tau 4252WLED4S	1200mm x 600 mm	1175 mm x 575 mm	7318	124	19
84	Tau 4276WLED4S			10218	122	
99	Tau 4290WLED4S			11990	121	
121	Tau 42108WLED4S			14272	118	
31	Tau 4128WLED4S	1200mm x 300 mm	1175 mm x 275 mm	3454	111	12.5
45	Tau 4140WLED4S			4972	110	
54	Tau 4149WLED4S			5936	110	
72	Tau 4164WLED4S			7300	101	

CONTROL OPTIONS

Suffix catalogue number **DALI-DIM** - DALI dimmable / **SSCAN** - SmartScan
e.g. **TAU2238WLED45+DALI-DIM**

EMERGENCY OPTIONS

Suffix catalogue number with: **EM** - Standard 3hr integral / **EM-ST** - Emergency Self-test 3hr integral / **DALI-EM** - DALI 3hr integral / **SSCAN-EM** - SmartScan 3hr integral
e.g. **TAU2238WLED45+EM**

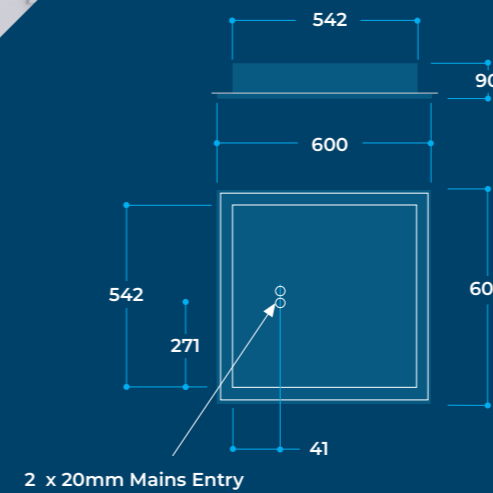
Add 0.7kg to weights listed.

DIMENSIONS

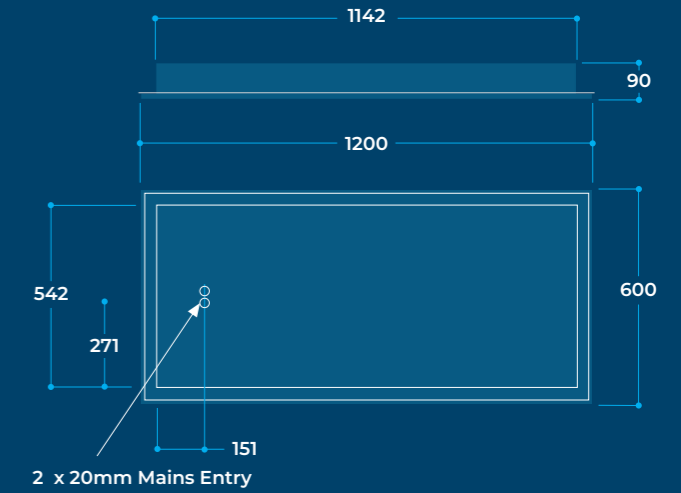
FOR MODULAR 'T' AND CUT APERTURE CEILINGS

To specify – IP65/54 recessed cleanroom luminaire with extruded aluminium frame and option for satin polycarbonate, low glare and chemical resistant glass diffusers. LED light engine providing 100,000 hour life, 4000K, CRI 80+ and LUX Guard LED PCB protection. Supplied with external mounting brackets. Control gear and LED circuit boards replaceable for future maintenance – as Solite Tau range

600x600 VERSION



1200x600 VERSION

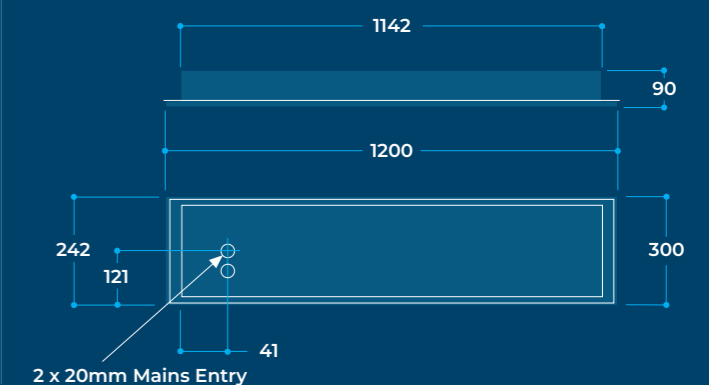


LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K-L80/B10
PROTECTION	LUX Guard
DRIVER EFFICIENCY	88%
REPLACABLE	YES
POWER FACTOR	>0.9
LL/CW	124

For LED characteristics explanation see solite-europe.com/led-guide

1200x300 VERSION



TAU ST

For spring 'T' ceilings.



RANGE

WATTAGE	CAT. NO.	NOMINAL SIZE	LUMENS	LL/CW	APROX. kg
29	TAUST2226WLED4S	600 mm x 600 mm	3290	113	10.5
42	TAUST2238WLED4S		4593	109	
50	TAUST2245WLED4S		5390	108	
61	TAUST2254WLED4S		6416	105	
74	TAUST2268WLED4S		7574	102	
59	TAUST4252WLED4S	1200mm x 600 mm	7318	124	19
84	TAUST4276WLED4S		10218	122	
99	TAUST4290WLED4S		11990	121	
121	TAUST42108WLED4S		14272	118	

CONTROL OPTIONS

Suffix catalogue number **DALI-DIM** - DALi dimmable / **SSCAN** - SmartScan
e.g. **TAU2238WLED4S+DALI-DIM**

EMERGENCY OPTIONS

Suffix catalogue number with: **EM** - Standard 3hr integral / **EM-ST** - Emergency Self-test 3hr integral / **DALI-EM** - DALi 3hr integral / **SSCAN-EM** - SmartScan 3hr integral
e.g. **TAU2238WLED4S+EM**

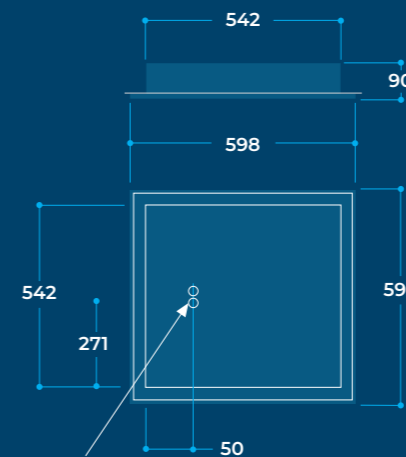
Add 0.7kg to weights listed.

DIMENSIONS

FOR SPRING 'T' CEILINGS

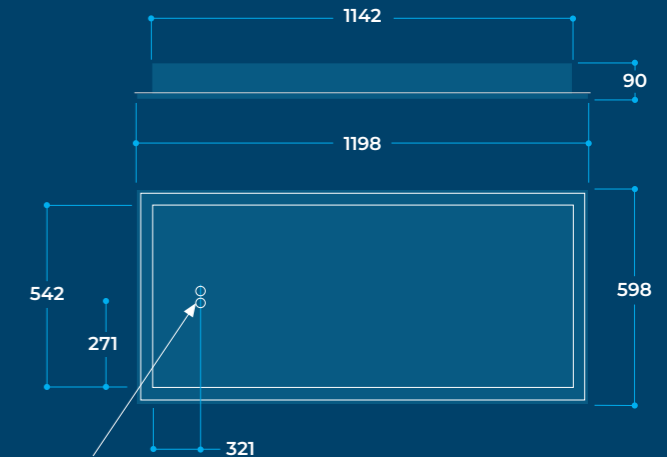
To specify – IP65/54 recessed cleanroom luminaire with extruded aluminium frame and option for satin polycarbonate, low glare and chemical resistant glass diffusers. LED light engine providing 100,000 hour life, 4000K, CRI 80+ and LUX Guard LED PCB protection. Supplied with external mounting brackets and body designed for Spring 'T' ceilings. Control gear and LED circuit boards replaceable for future maintenance – as Solite Tau ST range.

600x600 VERSION



2 x 20mm Mains Entry

1200x600 VERSION



2 x 20mm Mains Entry

LED CHARACTERISTICS

CRI	80+
COLOUR TEMPERATURE	4000K
RATED LIFE (HOURS)	100K-L80/B10
PROTECTION	LUX Guard
DRIVER EFFICIENCY	88%
REPLACABLE	YES
POWER FACTOR	>0.9
LL/CW	124

For LED characteristics explanation see solite-europe.com/led-guide



TAKE CONTROL OF YOUR LIGHTING. LIGHTING MANAGEMENT AND EMERGENCY MONITORING.

Thorlux SmartScan is a revolutionary wireless lighting management system that allows users to control their lighting and monitor their energy performance data and operational information for all SmartScan standard and emergency luminaires.

SmartScan luminaires contain a discrete integral sensor which monitors ambient light and presence and controls output to the correct level, ensuring that the area is only illuminated when occupied.

Energy performance data and operational status information is displayed on the SmartScan website which can be accessed from anywhere using a computer, laptop, tablet or smart-phone.

WIRELESS LIGHTING MANAGEMENT SYSTEM

Status

If a luminaire requires attention the exact position is highlighted on the interactive drawing. The information table will show the status of electronic components within the luminaire.

Occupancy Profile

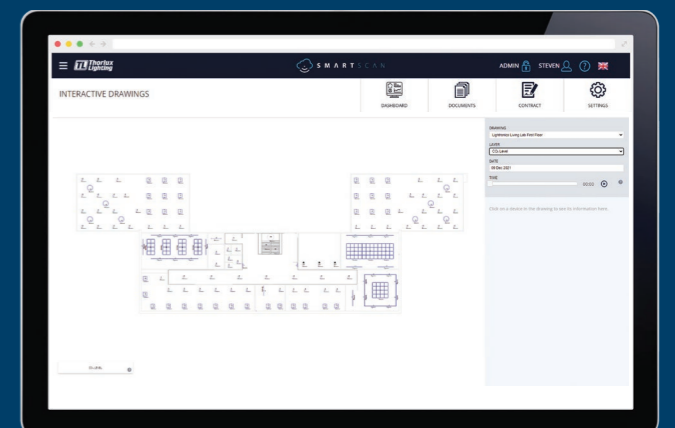
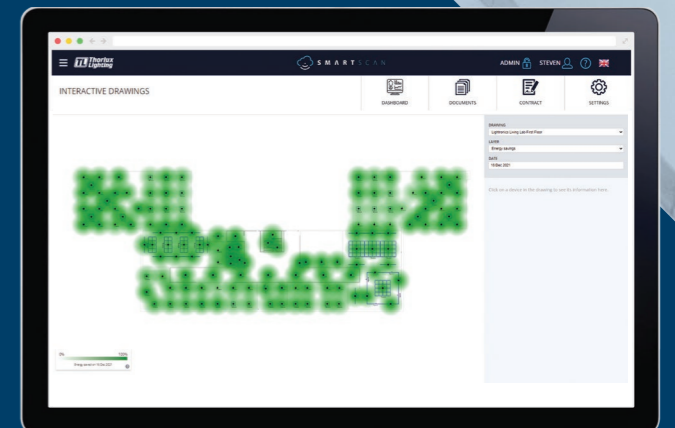
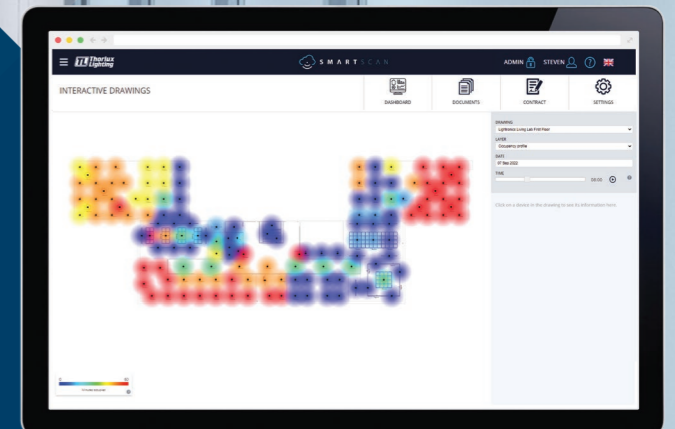
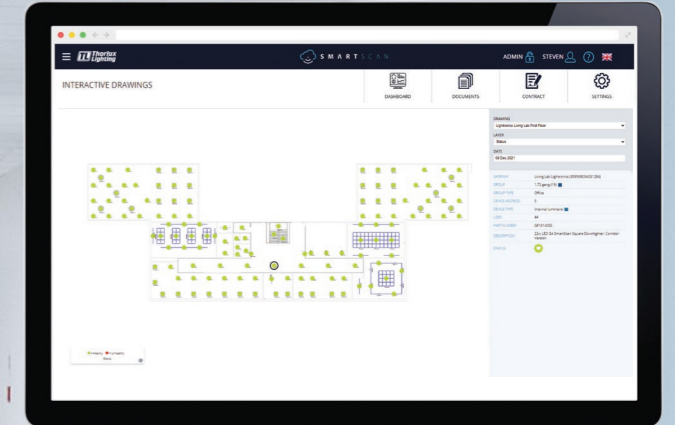
The occupancy profile for each sensor is displayed by a range of colours from blue (no occupancy) through to red (occupied continuously throughout the selected hour.)

Energy Savings

Daily energy savings are shown by graduated indicator - the darker the green, the greater the energy saving that day. If a single luminaire is selected, the information table shows the energy performance for the luminaire.

Air Quality Sensing

Temperature, humidity and CO₂ levels are displayed with colour-coded shading. The information table displays the exact values for each sensor at any given time.

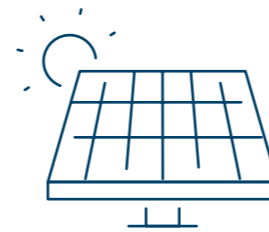


WE ARE COMMITTED TO A MORE SUSTAINABLE FUTURE



CERTIFIED TO ISO 14001

Solite has ISO 14001:2015 certification, the International Standard for Environmental Management which supports organisations in reducing their environmental impact.



SOLAR PHOTOVOLTAIC INSTALLATION

In 2021, Solite has installed solar photovoltaic units on the roof of its manufacturing facility. **The system is estimated to produce 80,000 kWh of electricity per annum**, helping to power the plant and equipment. Over its operational lifetime, through reduced consumption from the National Grid, **the installation will deliver a total CO₂ reduction of around 36 tonnes per annum**



Solite has been officially recognised as being carbon neutral, with systems of reduction, measurement and certified offsetting in place, since 2012. Keep up to date with our sustainability journey by visiting the Solite website.





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