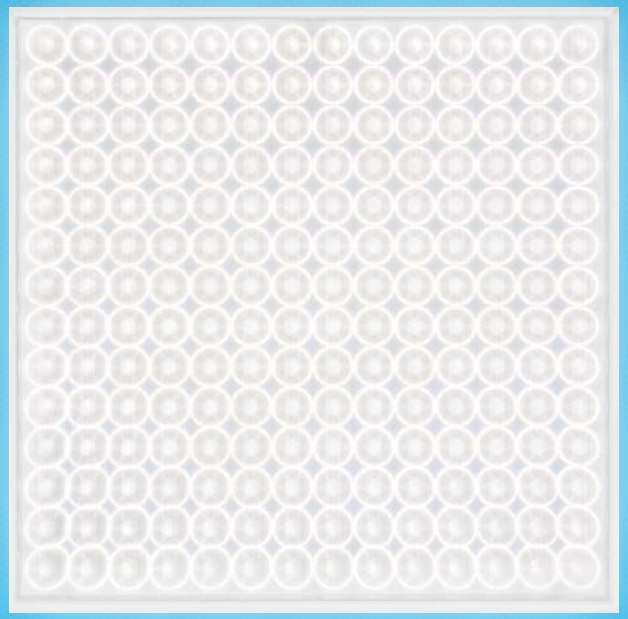
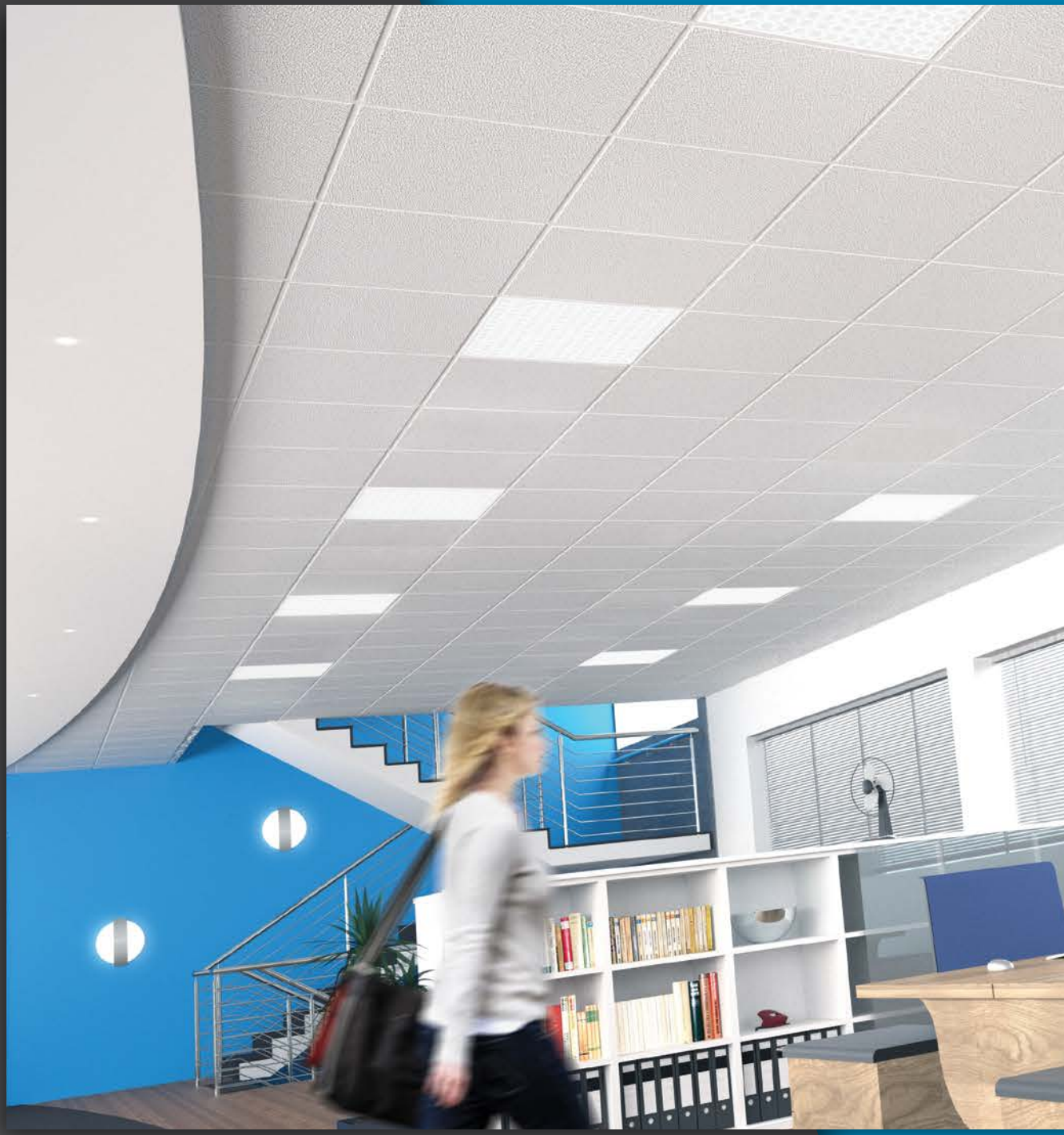
VMA



Thorlux Lighting

VIVA

SUPREMELY EFFICIENT VDT OFFICE RECESSED LED LUMINAIRES WITH MICROPRISM LENS. THE MINIMALISTIC DESIGN ERADICATES THE METAL FRAME NORMALLY ASSOCIATED WITH FLAT PANEL DIFFUSERS SO MAINTAINING THE CLEAN LINES PROVIDED BY THE CEILING GRID.



VIVA

The diffuser of the VIVA mimics the size and shape of a tegular ceiling tile so there is no protrusion into the space.

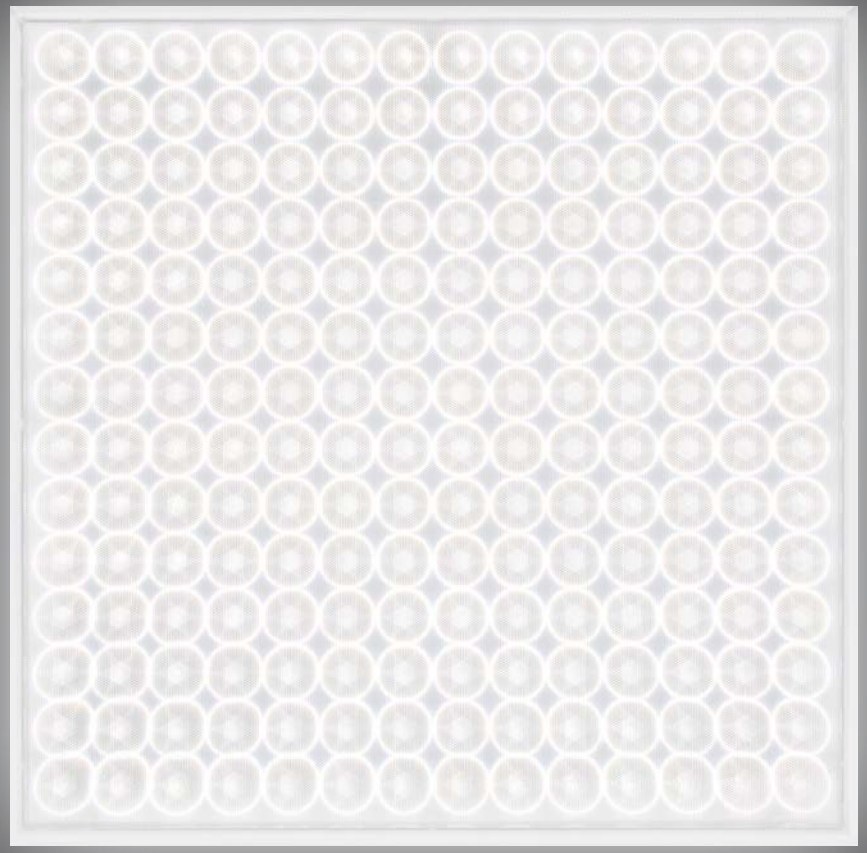
VIVA

VIVA visually blends with the appearance of a 600 x 600 suspended ceiling only protruding the depth of a standard ceiling tile.

VIVA is designed to fit most ceiling types offering flush fitting with no distraction to the smooth surfaces into which it is mounted.

The subtle appearance of the luminaire is transformed when powered. The LEDs produce a vibrant illuminated ceiling tile.

Thorlux Lighting



LIFE & ENERGY

LED Light Engine

LED TECHNOLOGY

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.

An additional high power LED is fitted on emergency versions and is only illuminated during mains failure. The circuit boards use either 196 LEDs or 144 LEDs (36W and 21W respectively) and are connected to the body using a durable multi-way plug connector.

A truly fit and forget, well-engineered, dedicated light engine having a life expectancy well in excess of 60,000 hours.

VIVA with 4000K medium power Ra80+ colour rendering index LEDs has a low glare polycarbonate controller making it ideal for use in offices with and without VDTs.

The VIVA is serviceable with fully replaceable LED boards.

ALL LED BOARDS OFFER FAILURE PROTECTION;
IF ONE LED FAILS IT WILL NOT AFFECT THE OTHERS

ALL OF THE LED BOARDS ARE REPLACEABLE

ENERGY SAVINGS

Available in two power ratings of 21W and 36W and with the option of the energy saving Smart control system for maximum energy efficiency.

Typical Office Installation
3000 hours per annum

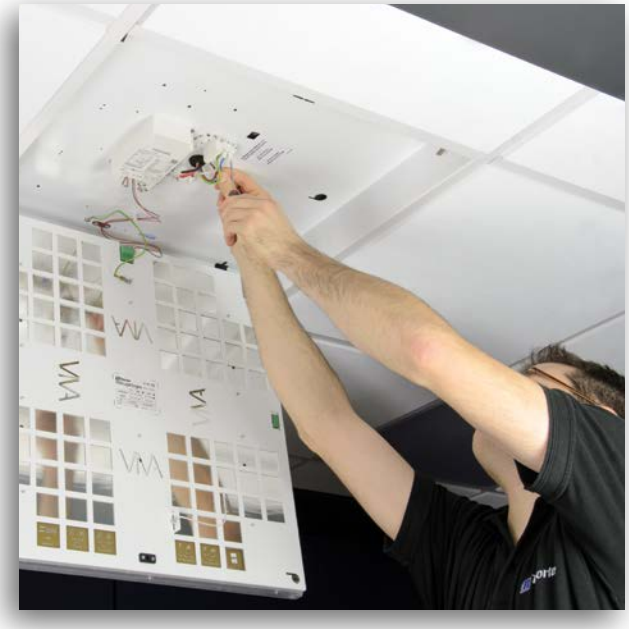
	4 x 14W HF	**VIVA 36W Non-dimming**
Luminaires	24	**24**
Total Circuits W/Luminaire	60	**41**
Total installation W	1,440W	**984W**
kWh per annum	4,320	**2,952 32% less energy**
Annual CO_2 production	2,290kg	**1,565kg 32% less CO_2**

A 36W VIVA USES **32%** LESS ENERGY THAN 4 x 14W AND PROVIDES THE SAME LUX LEVEL

FAST INSTALLATION

The shallow body makes VIVA suitable for areas with a small ceiling void.

The terminals on conventionally wired luminaires can be accessed quickly by simply releasing the diffuser, reducing installation time and keeping costs low.



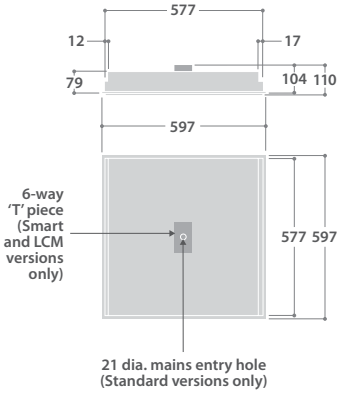
TECHNICAL INFORMATION

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.

	LAMP	SPACING (Metres)	LUX AVERAGE 70/50/20	LUX AVERAGE 80/60/30
OPEN PLAN	21W LED	3.0 x 3.0	270	300
		3.0 x 2.4	330	370
		2.4 x 2.4	400	450
	36W LED	3.0 x 3.0	450	500
		3.0 x 2.4	550	615
		2.4 x 2.4	670	750

DIMENSIONS (mm)



LED CHARACTERISTICS

Ra	°K	L70/B10	P/U	%	R/Rx	PF	LL/CW
80+	4000	60K	P	>85	R	>0.9	101.9

P - Protected circuit *(an LED failure will not affect others in the group)*
R - Replaceable LED lamp assembly

ACCESSORIES

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

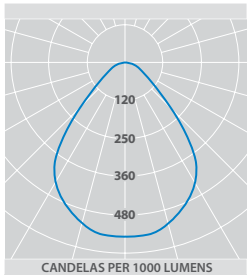
▲ 4 arms per kit - not required for lay-in mounting

How to specify

600 x 600 recessed LED luminaire with a polyester powder coated steel body, LG7:2005 (<1500cd/m² @ 65°) compliant optical control using seamless edge to edge polycarbonate micro prism lens. LED light engine providing 60,000 hour life, CRI 80+ and LED failure protection. Control gear and LED circuit boards fully replaceable for future maintenance. Self-contained emergency option using dedicated high power non-maintained LED. Manufactured in the United Kingdom.

PHOTOMETRIC GUIDE

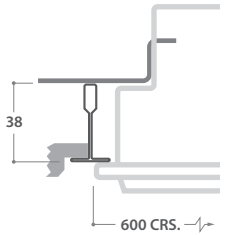
LED



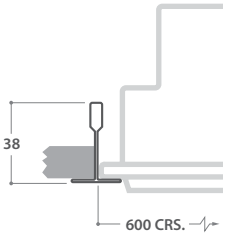
Luminaire Lumen Output
21W - 2445lm
36W - 4075lm

MOUNTING ARRANGEMENTS

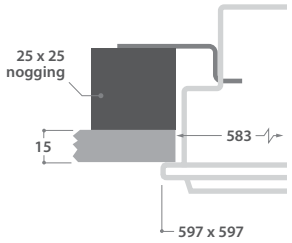
Exposed T-bar (15mm)
"Pull up" on 24mm T not possible



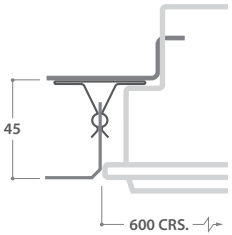
Lay-in on Exposed T-bar (15mm or 24mm)



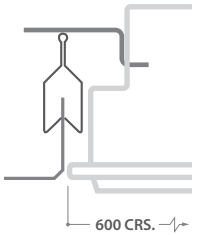
Plasterboard Ceiling



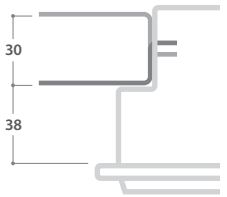
Spring Tee



Spring Tee



Side arm suspension adjustment range



RANGE

FEATURES

- Steel body finished full polyester satin white (RAL 9016)
- Shallow body depth
- Supremely efficient lens system - 116 lumens per "lamp" watt
- Excellent glare cut back above 65°. LG7:2005 (<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
- Fitted with 4000K LEDs

RANGE

	NOMINAL SIZE (mm)	LED	CAT. No.	APPROX. kg	CIRCUIT
SMART	600 x 600	21W	**VV 16534D**	6.4	
		36W	**VV 16535D**	6.4	
STANDARD	600 x 600	21W	**VV 16536**	6.3	L/A
		36W	**VV 16537**	6.3	L/A

CIRCUIT TYPE - suffix catalogue number with:
L - non-dimming (LED) / **A - dimming (DALI)** e.g. **VV 16536L** etc
Smart versions use digital dimming gear and are always suffixed **D**

EMERGENCY VERSION - prefix catalogue number with:
EVV - Emergency / **TVV - AutoTest** / **DVV - Scanlight AT** e.g. **EVV 16536L** etc.
Emergency, AutoTest and Scanlight AT versions add 0.3kg to weights listed

IP40 CE TP(a) LED PATENT APPLIED FOR

Smart version

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