

THORN
LIGHTING



OMEGA MODULINE

Sustainable recessed panel utilising replaceable
linear LED modules and driver

SUSTAINABLE, UPGRADEABLE RECESSED PANEL

FEATURING REPLACEABLE LED LIGHT ENGINES AND INTEGRATED CONTROL AND SENSOR OPTIONS

Thorn's Omega Moduline is a stylish recessed cellular panel designed for today's demanding world. One that requires not only high-performance lighting, but sustainable and upgradable luminaires that are easy to install.

Available in three panel sizes; 600 x 600, 625 x 625 and 300 x 1200 mm, Omega Moduline comprises of two replaceable linear LED modules, each containing 12 cells with primary lens optics. A choice of colour temperature is offered; 3000 K, 4000 K or Variable Colour Temperature (2700-6500 K).

Featuring an output of up to 5000 lm that is carefully controlled to provide low-glare light (UGR <19) as well as a high efficacy of up to 153 lm/W, this is a panel that keeps on delivering. Choose from emergency battery and numerous control options including DALI, basicDIM Bluetooth® Wireless, presence detection and daylight dimming.



Office



Education



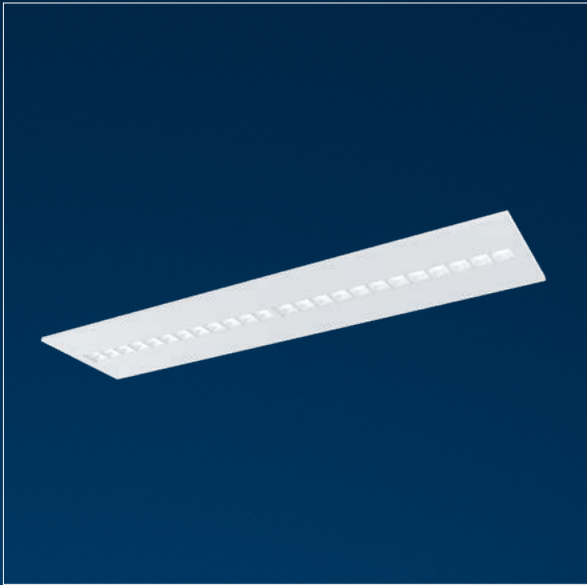
ADAPTABLE BY DESIGN

REPLACEABLE LINEAR LED MODULES

Omega Moduline features a combination of deep recessed cells with primary lenses that allow glare control (UGR <19) even at very high lumen output. This results in an outstanding combination of efficacy and optical performance. The linear LED light engine has been carefully designed to be replaceable with a tool-free click-in mechanism and a quick and easy wiring connection.

This sustainable solution allows a change of LED modules at end of useful life, or when a change of CCT or CRI is required. For example, if the application of the room changes, a qualified professional can easily swap the modules from 4000 K colour temperature to 3000 K, or vice-versa, rather than having to replace the entire luminaire.

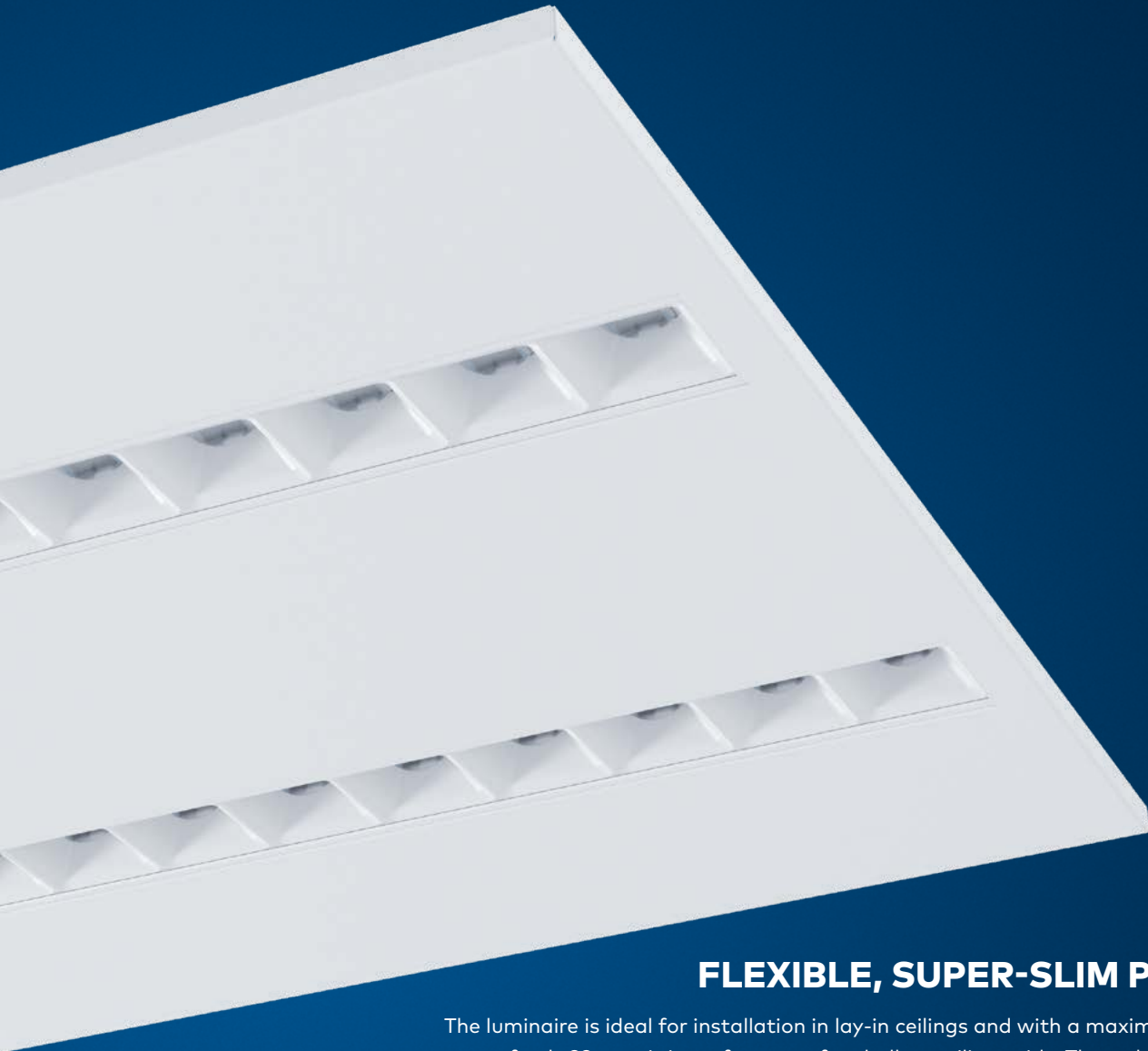




300x1200 panel has LED modules mounted centrally



Linear LED module



FLEXIBLE, SUPER-SLIM PANEL

The luminaire is ideal for installation in lay-in ceilings and with a maximum depth of only 33 mm, it is perfect even for shallow ceiling voids. Through mounting accessories, Omega Moduline may be suspended or surface-mounted.

INTELLIGENT LIGHTING CONTROLS

As no two spaces are the same, Omega Moduline offers controls which adapt to the needs of the occupants. These include presence detection, daylight dimming, Bluetooth® wireless control and DALI compatible options. Emergency lighting is also possible thanks to an optional 3-hour LiFePO₄ emergency battery, with manual, addressable and self-test functions.

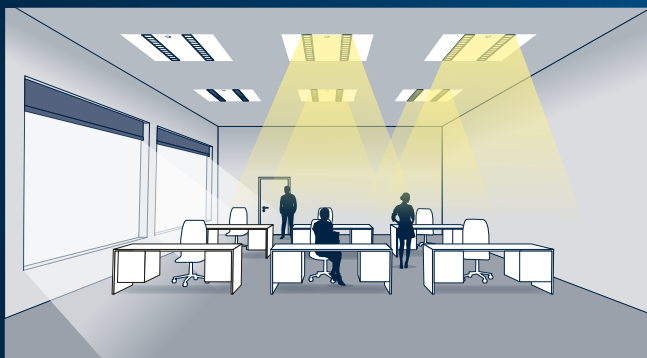


PRESENCE DETECTION

With the optional Microwave Sensor (MWS), the Omega Moduline gains motion switch functionality. This can turn the panel on when movement is detected within a space, and turn it off again after a pre-selected hold-time when motion ceases. What's the advantage? No need to remember to turn the lights off.

PRESENCE DETECTION AND DAYLIGHT DIMMING

Our PIR Dual Sensor (HFSX) has two benefits. It can power the luminaire off when nobody is detected in the space using heat and movement detection, and in addition,



it can control the light level on a surface (such as an office desk) to provide a consistent 500 lux (default lux level setting) on the surface for a comfortable working environment. If natural light is high, for example on a very sunny day, any Omega Moduline panels installed near windows will dim-down when necessary. This saves energy whilst balancing the light in the room, using a mixture of artificial and natural light.

An optional leader-follower function is also possible with HFSX – a local system can be created where one sensor luminaire can control a number of HFIX panels. Ideally, all luminaires should be within the detection area of the sensor panel e.g. up to 4 additional luminaires are recommended.



BASICDIM BLUETOOTH® WIRELESS

Omega Moduline can be ordered with a sophisticated built-in Bluetooth wireless controller (BC) that allows control and configuration of the panels. The lighting control system is also available with a PIR sensor (PIRBC) for presence detection and daylight functionality.

*For illustrative purposes only

EASY WIRELESS CONTROL VIA BLUETOOTH

BasicDIM Wireless is Thorn's Bluetooth-based wireless lighting control technology, integrating sensors, switches and luminaires that can be controlled and configured from a smartphone or tablet. Typically this is carried out by a commissioning engineer or office facilities manager using a dedicated app developed by our sister company, Tridonic.

Because basicDIM is a wireless system, it is just as well suited to existing buildings having a lighting refurbishment as it is to newly built facilities. Furthermore, installation couldn't be easier as all the technology needed is built into the luminaires, with no extra wiring.

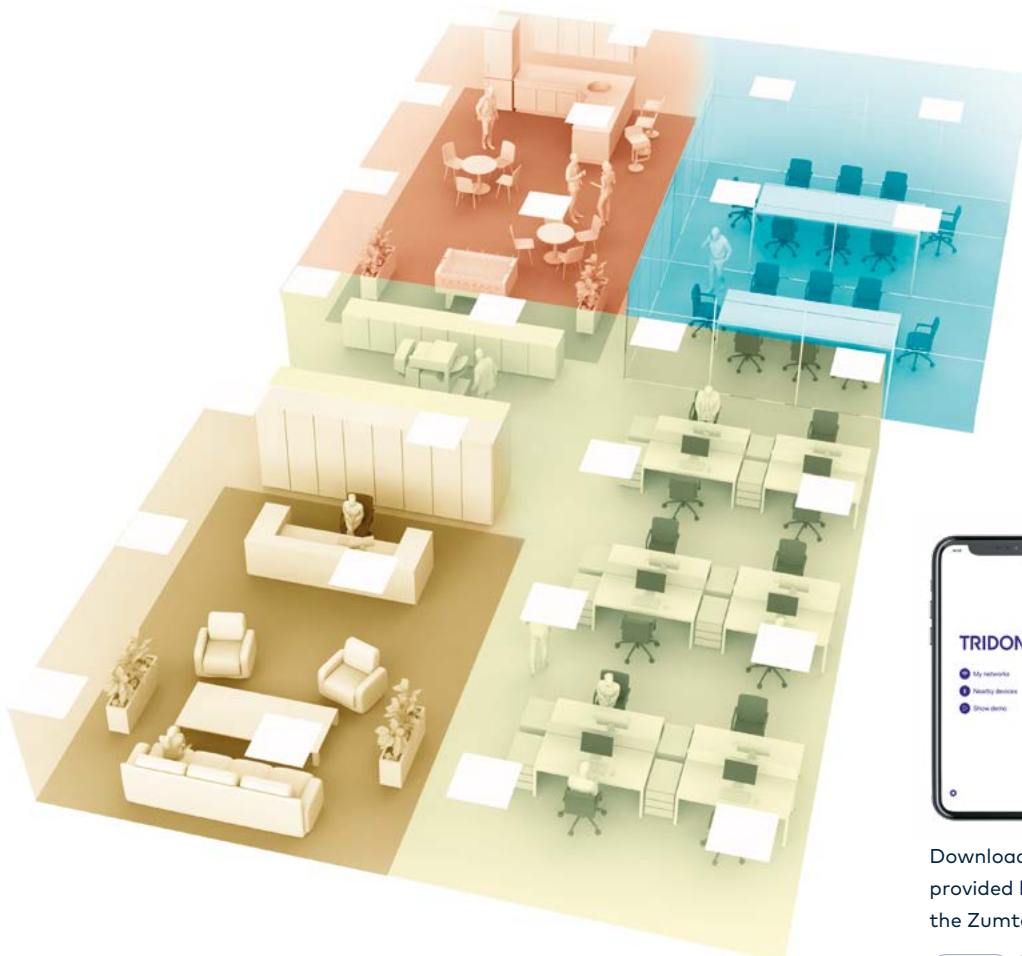
FEATURES AND BENEFITS OF BASICDIM WIRELESS

- Group luminaires
- Set and control scenes
- Adjust the dimming level to reflect other nearby luminaires, natural light and the time of day - taking sunrise and sunset into account
- Adjust the colour temperature to suit the task in the space
- Integrate presence sensors and daylight sensors
- Simplify network and security management

*Features dependent on panel specification

VARIABLE COLOUR TEMPERATURE

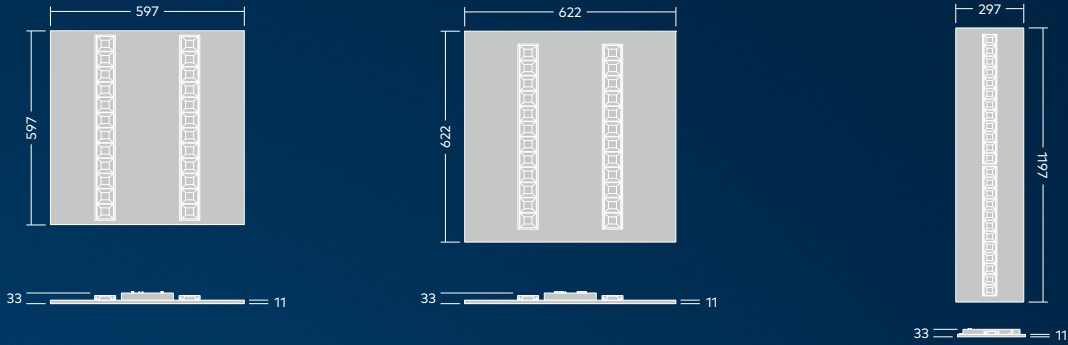
Omega Moduline's Variable Colour Temperature (VCT) option uses high-quality LEDs to tune the colour temperature from a warm 2700 K up to a very cool daylight temperature of 6500 K.



Download the free **4remoteBT** app provided by Tridonic, a member of the Zumtobel Group.

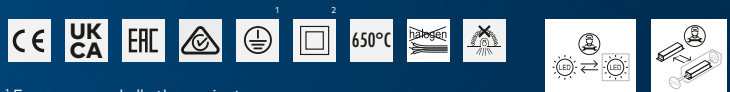


OMEGA MODULINE



| | OMEGA MODULINE 600 X 600 | OMEGA MODULINE 625 X 625 | OMEGA MODULINE 300 X 1200 |
|------------|--|--------------------------|---------------------------|
| | Two replaceable linear LED modules each containing 12 cells with primary lens optics | | |
| | 3000 K, 4000 K, VCT 2700-6500 K | | |
| | 3300 lm, 4100 lm, 4800 lm | | |
| | Up to 153 lm/W | | |
| CRI | 80, 90 | | |
| UGR | <19 | | |
| | IP20 | | |
| | +5 °C to 40 °C | | |
| | IK03 | | |
| | 50,000 h L90 @ 25 °C (CRI 80; 3000 K and 4000 K) 50,000 h L85 @ 25 °C (CRI 90; 3000 K, 4000 K and VCT 2700-6500 K) | | |
| | Lay-in ceilings. Additional mounting accessories allow installation in recessed ceilings, suspended, or surface mounted | | |
| | Body: White (close to RAL 9016), LED module cell: White | | |
| | Fixed output (HF), DALI dimmable (HFIX), basicDIM Bluetooth® Wireless (BC), basicDIM Bluetooth® Wireless with PIR sensor (PIRBC), Microwave Presence sensor (MWS), standalone PIR and Daylight dual sensor (HFSX), PIR sensor for LITECOM (SENS) | | |
| | 3 hr manual test, LiFePO4 (E3) 3 hr addressable/self-test LiFePO4 (E3D) | | |
| | MacAdam 3 | | |

For full details on product configurations and mounting options please check Thorn website



¹ Emergency and all other variants
² HF, HFIX, BC, HFIX VCT



As a globally leading luminaire manufacturer, Thorn Lighting provides a five-year warranty for its complete product range within all European Countries.
thornlighting.com/guarantee

Thorn Lighting is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. All goods supplied by the company are supplied subject to the company's General Conditions of Sale, a copy of which is available on request. All measurements are in millimetres and weights in kilograms unless otherwise stated.
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**WE
MAKE
LIGHT
WORK**