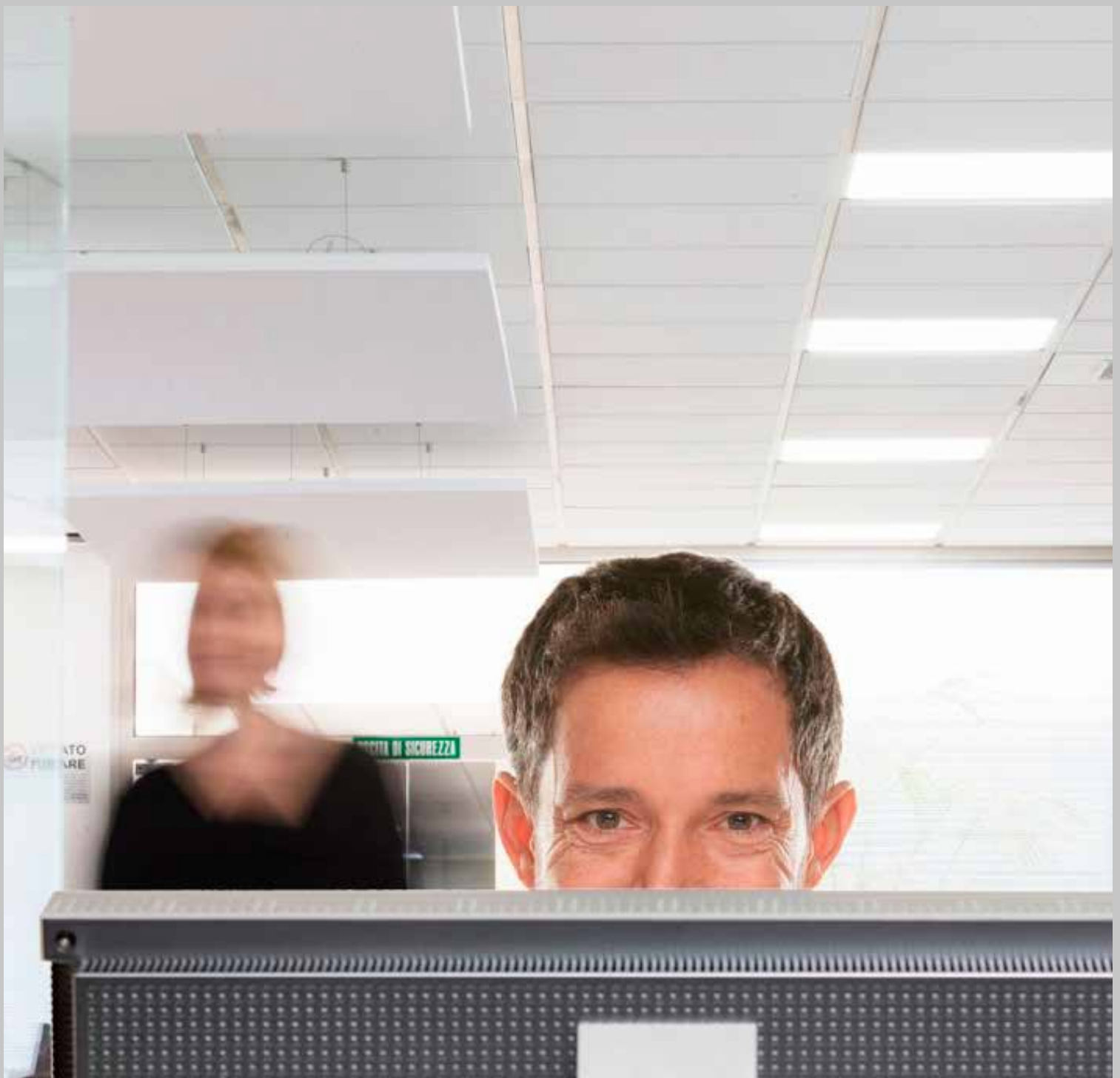


THORN

Omega Pro

Edge lit flat panel range with unique glare control



Omega Pro

Office and education lighting



6 x 6

3 x 12

6 x 12

Omega Pro

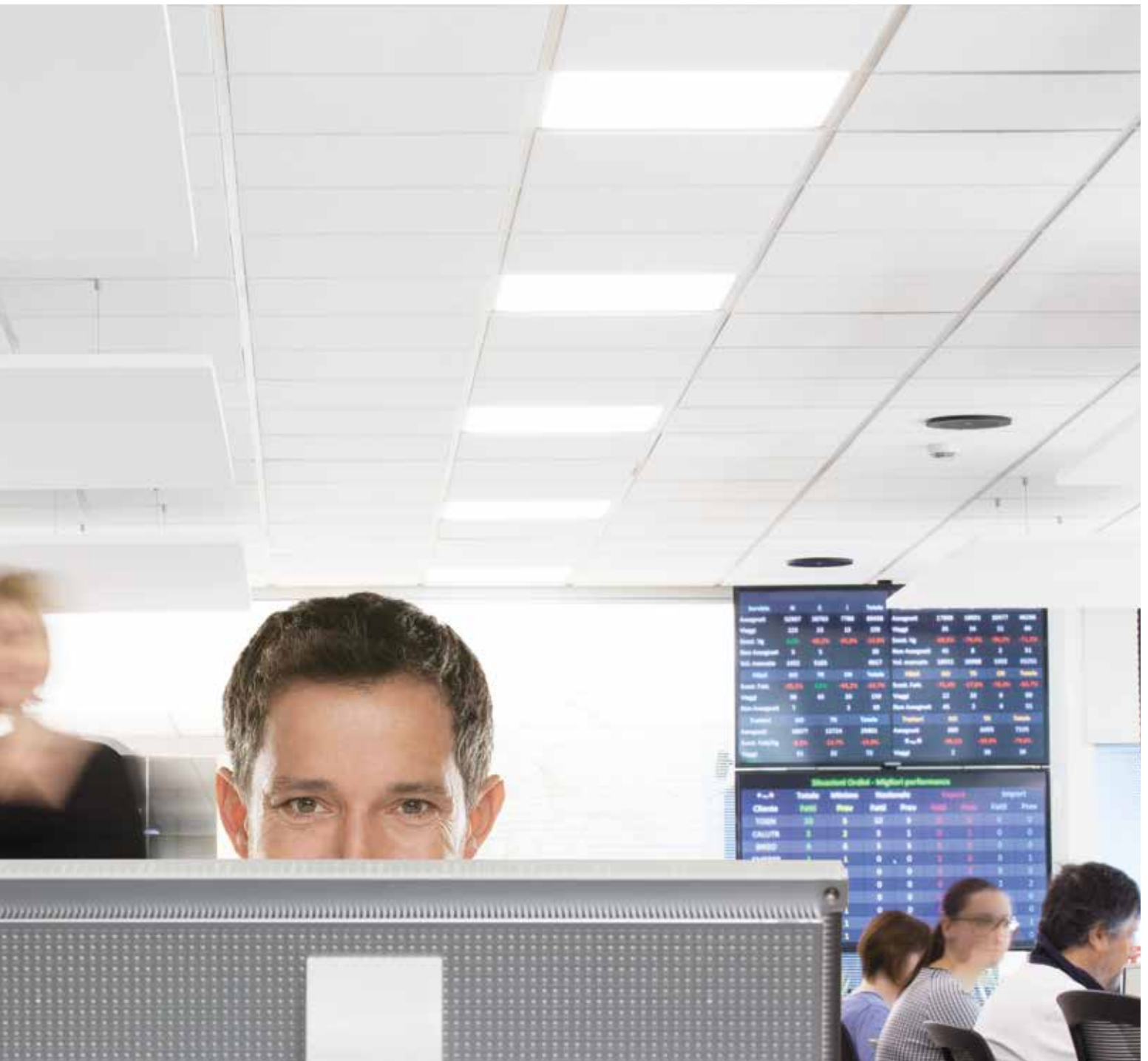
A BETTER WORK/LIGHT BALANCE

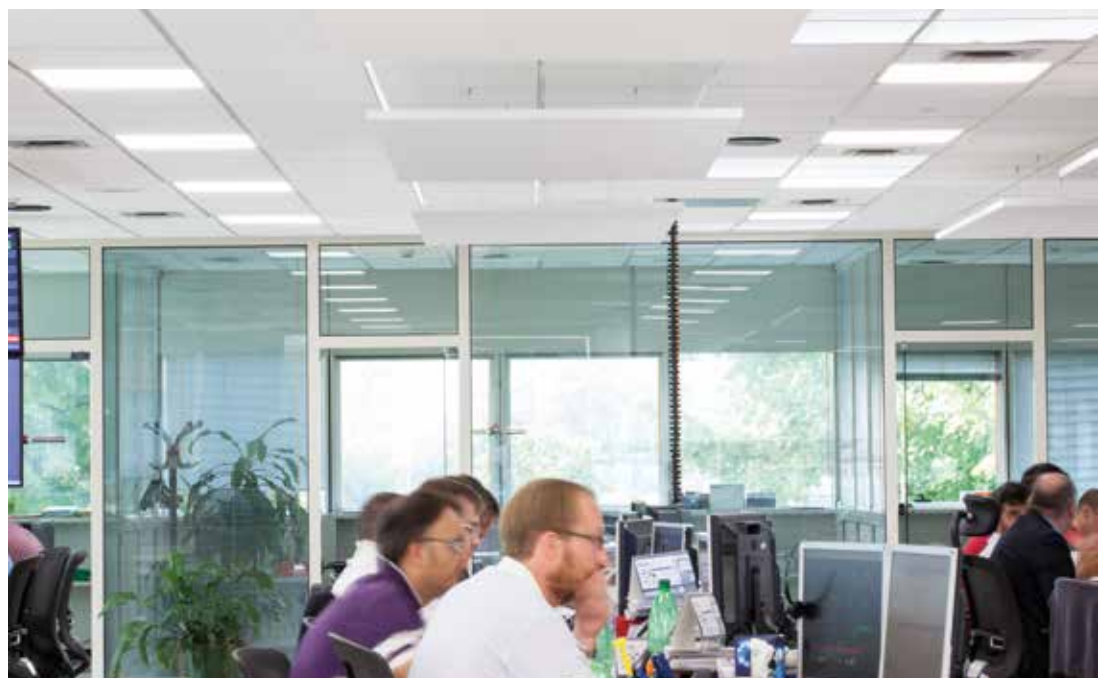
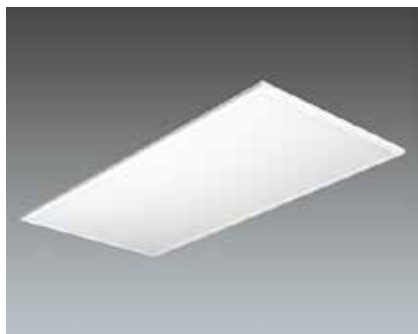
- ✓ Reduce glare
- ✓ Increase comfort
- ✓ Discover better light
- ✓ Reduce energy usage



Reduced-glare technology, perfect for screen-based work spaces

Omega Pro is a striking edge lit flat panel range with outstanding glare control to offer a unique combination of comfort and style for office and education lighting. Discover a better work/light balance.





Omega Pro

Discover a better light

Omega Pro is an edge lit luminaire offering great visual comfort combined with high efficiency



**REDUCE
GLARE**

The new Glare Pro Tech optic provides a class leading balance between glare control and efficiency.

The luminaire meets UGR 19 and less than 3000cd/m² at 65°C, complying to the relevant sections of the EN12464 standard



**INCREASE
COMFORT**

The photometric features of the product increase uniformity, comfort and efficiency in the office environment



**REDUCE
ENERGY**

Omega Pro delivers 4100lm with 41W and with this outperforms fluorescent equivalents providing class leading luminaires efficacy at >100lm/W

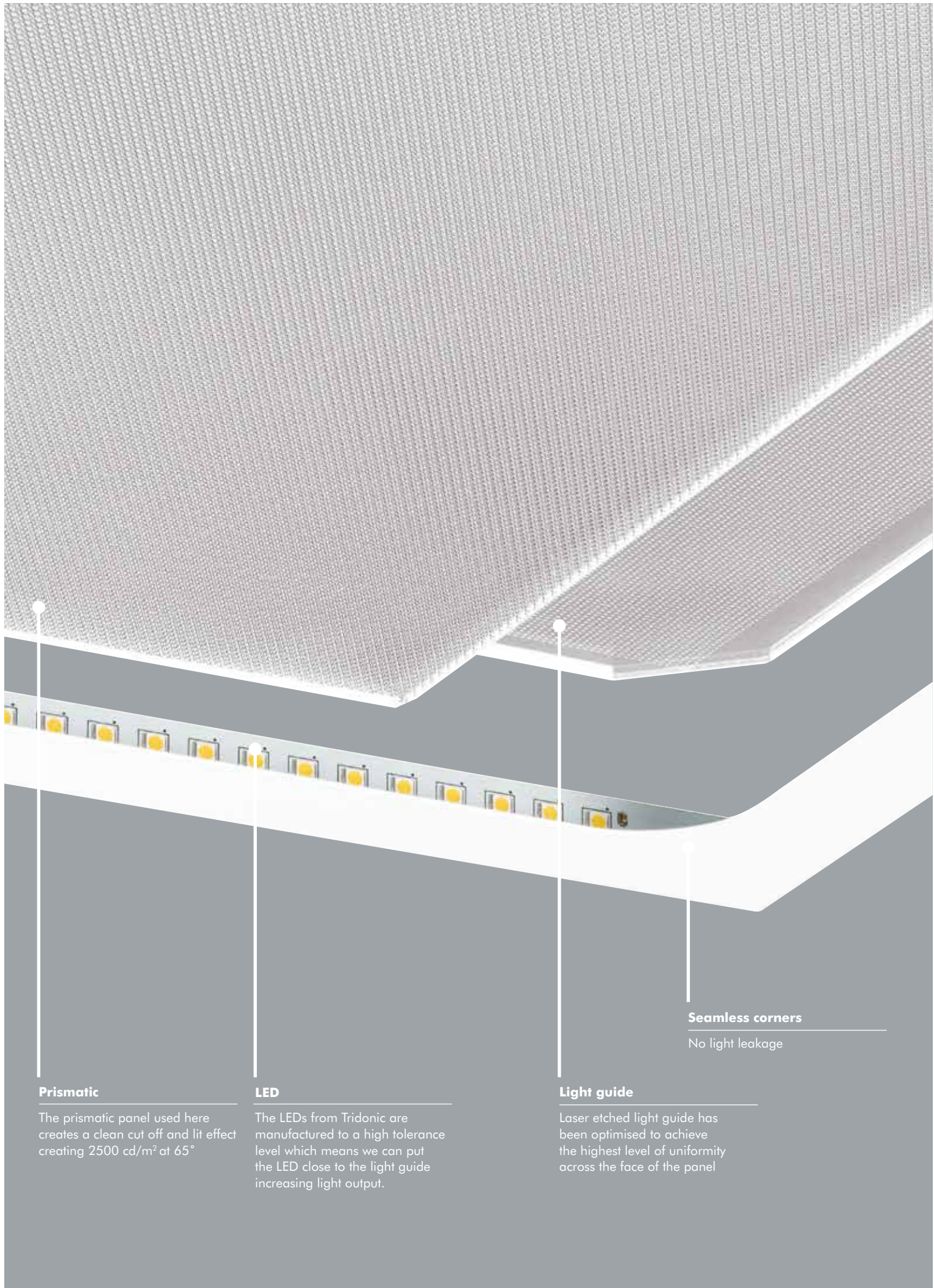
This not only enables energy reductions per point, but with reduced maintenance requirements and running costs over the lifetime a very cost effective solution can be created



**DISCOVER
BETTER LIGHT**

The optic redirects the light at high angles reducing reflection on computer screens creating a better work light balance.





Prismatic

The prismatic panel used here creates a clean cut off and lit effect creating 2500 cd/m² at 65°

LED

The LEDs from Tridonic are manufactured to a high tolerance level which means we can put the LED close to the light guide increasing light output.

Light guide

Laser etched light guide has been optimised to achieve the highest level of uniformity across the face of the panel

Seamless corners

No light leakage

Omega Pro

Introducing the Glare Pro Tech optic

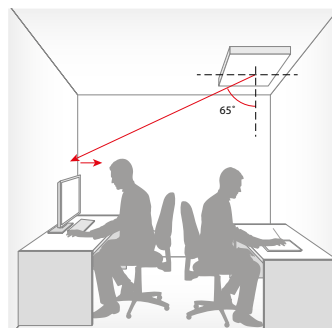
Using our unique Glare Pro Tech optic Thorn provide compliance to the relevant sections of EN 12464

What you need to comply with EN12464: Lighting of Indoor Workplaces

In an office space it is important to provide the right performance balanced with comfort and this includes glare control.

EN12464 recommends that in an office, depending on the task, the employer provides 300-500lux with a UGR < 19, a uniformity of 0.6 and colour rendering of Ra > 80. Further the luminaires should have a maximum luminance of less than 3000cd/m² at 65°C.

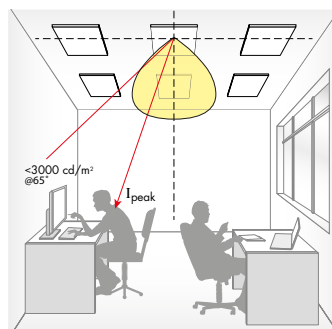
For good communication a Cylindrical Illuminance of 150lux at head height and a modelling index of 0.3-0.6 are required.



Your solution: Omega Pro Glare Pro Tech

The wide distribution and cut off allows you to achieve a better lighting design outperforming fluorescent equivalents

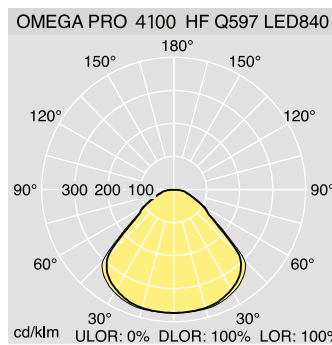
- ✓ Lumen output
- ✓ Maintenance cycles
- ✓ Glare control
- ✓ Communication
- ✓ Uniformity
- ✓ Average illuminance
- ✓ Installed energy



The Omega Pro in practice

In a large office space (17x30x2.8) using 55 luminaires you can provide a well-balanced lighting design and lit environment.

Large Office (16.3 x 31.2)	Omega Pro 4100	Omega T5 4x14W DSB	Omega T8 4x18W DSB
Luminaire lumen output	4100	3658	3143
Maintenance factor	0.7	0.8	0.8
Average Illuminance target (300 lux)	311	328	275
Task Uniformity	0.95	0.91	0.92
Life time	50KHRS	25KHRS	15KHRS
Energy used	50%	77%	100%



Omega Pro

Energy efficiency

Omega Pro provides an ideal balance between lighting design and energy efficient, cost effective performance. Combined with external sensors for dimming and constant illuminance multiple ways to save energy are available.

- ✓ High luminaire lumen package
- ✓ Low initial investment
- ✓ Shorter payback
- ✓ Lower maintenance cycles



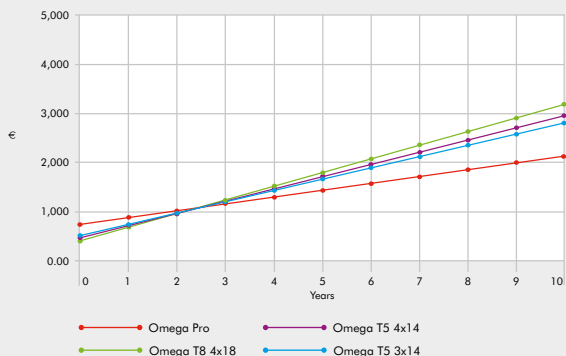
-  Dimming options linked to daylight controls dim or turn off lighting in response to daylight availability, saving energy with no reduction in lighting levels
-  Linking to presence controls ensures only those lights that are needed are turned on, saving energy during periods of low occupancy
-  The Glare ProTech optic creates a wider distribution of light vs conventional fluorescent and opal LED products, improving uniformity on the walls, ceilings and working planes
-  With the Omega Pro range luminaire efficacy of up to 100lm/W can be achieved, providing you with the ability to have a higher light output and better comfort in a space while at the same time reducing electricity consumption.

Energy efficiency: Room - 16.3m x 31.2m x 2.8m | 311 lx

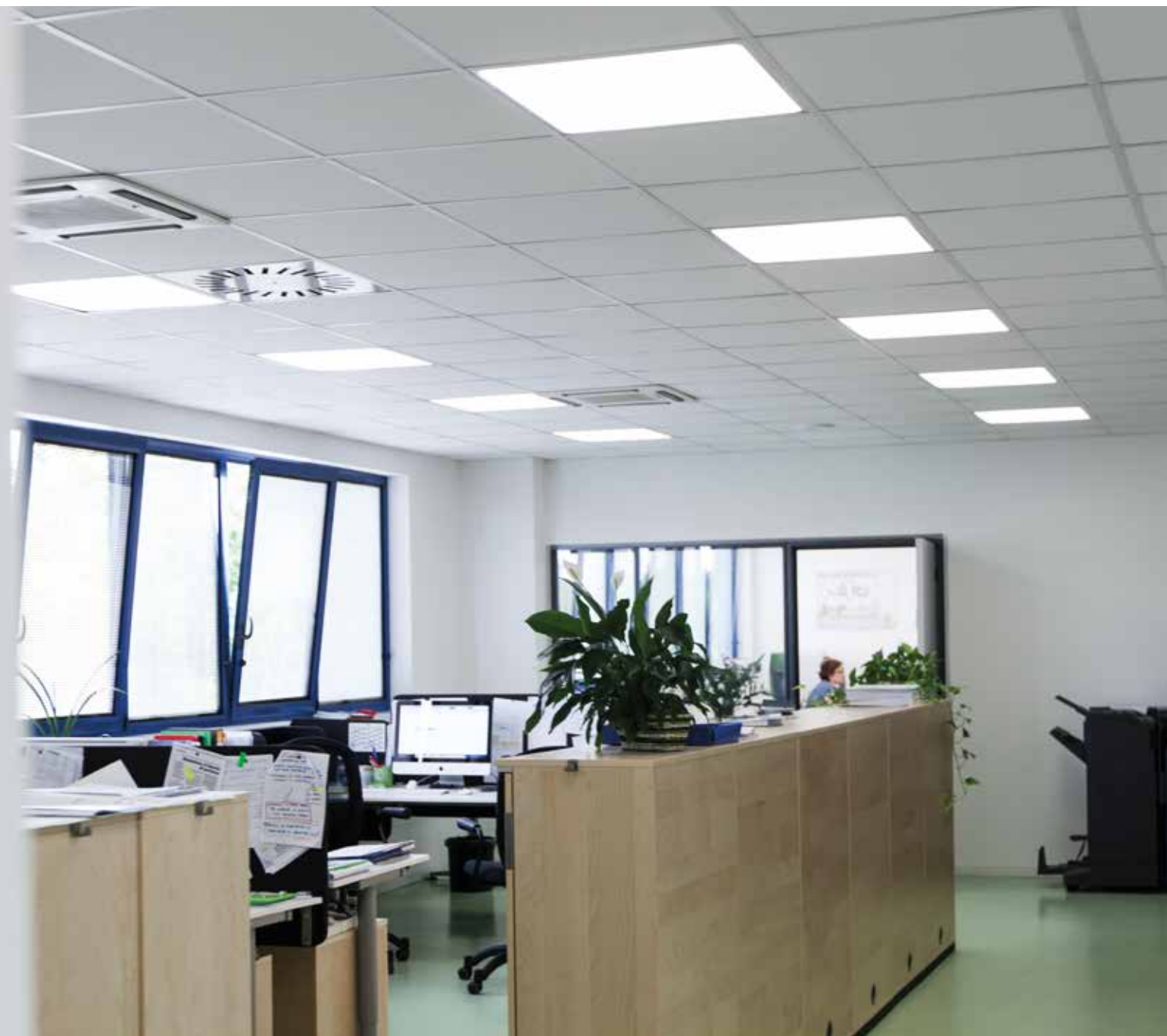
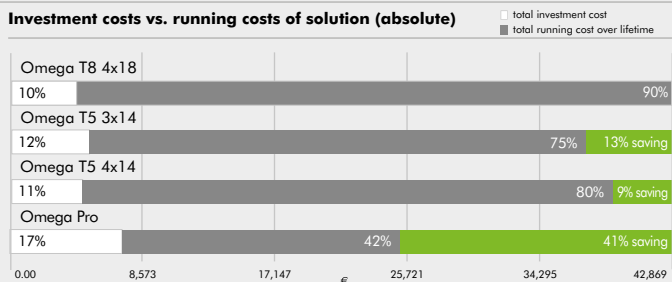
New Installation

	No. Fittings	Illuminance (lux)	Uniformity	Connected Load (W/m ²)
Omega Pro 4100	55	311	0.95	41W
Omega T5 4x14W DSB	55	328	0.91	62W
Omega T5 3x14W DSB	66	288	0.94	47W
Omega T8 4x18W DSB	55	275	0.92	74W

Course of overall costs of solution over lifetime



Investment costs vs. running costs of solution (absolute)



Omega Pro

Product Features

A better work light balance

Edge lit flat panel range with unique glare control

- Efficient LED edge lit solution with unique Glare ProTech prismatic optic for high performance optical and glare control
- Ideal LED solution for office lighting complying with EN 12464 office lighting norms (<UGR 19 in any room size and <2500 cd/m² at 65°)
- Class leading controlled glare on screens and increased comfort for all users of the space
- The first edge lit panel offering a direct replacement for 4x14W recessed luminaires

Applications

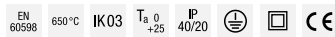
- Office
- Education

Luminaire information

- Lifetime 50 000 hours (@L70, Ta 25°C)
- Colour temperature 4000K and 3000K
- CRI 80
- 5 MacAdams

		
6 x 6	3 x 12	6 x 12
4100lm	3150lm	6300lm
100lm/W	105lm/W	105lm/W

Standards



Materials/Finish

Body: mild steel sheet, white (RAL9016)
 Diffuser: UV-stabilized, Glare ProTech prismatic optic

Installation/Mounting

Omega Pro is suitable for lay-in installation into 15mm or 24mm exposed T grid ceilings. The luminaire simply lays onto the ceiling grid for quick installation. For installation from below into concealed metal ceilings, versions with pre-assembled bracket (MRM) are available.

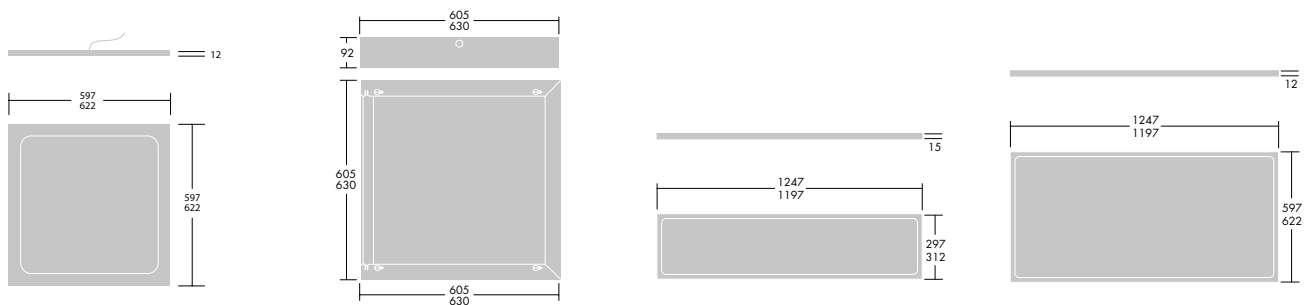
Surface mounting: collar type – fixed to the ceiling with 4 screws via keyhole slots, product to be laid in.

Suspended mounting: suspended via adjustable wire suspension (1500mm), 4 fixing points to the ceiling.

Specification

To specify state: A versatile edge lit panel for recessed, surface and suspended mounting with LED light source with 3000/4000K colour temperature. Compliant to DSE requirements within EN 12464 providing UGR<19 in any room size due to unique Glare ProTech prismatic optic. CRI>80 and a lifetime of 50 000 hours @L70 Ta 25°C.
 As Thorn Omega Pro.

Product dimensions



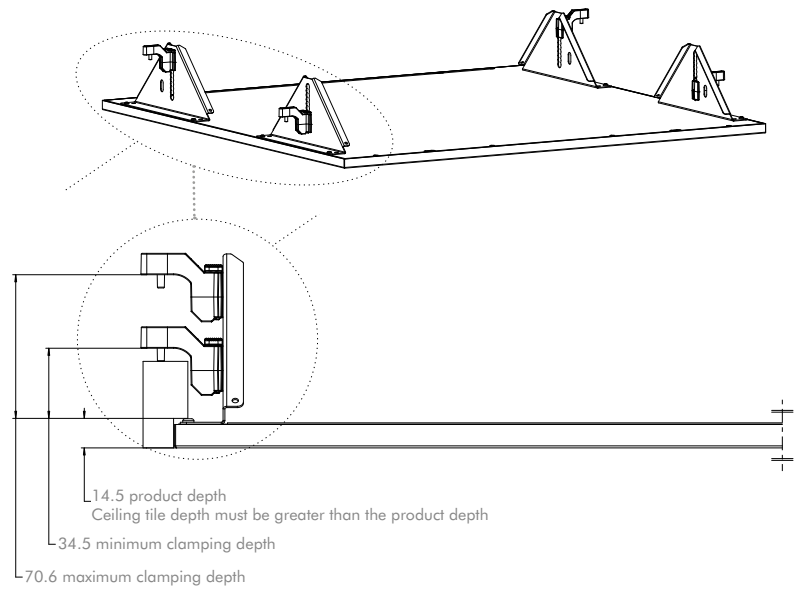
Ceiling types

The concealed grid system can fit into the following ceiling types.

- Armstrong 1800
- Armstrong 30000
- Armstrong 30005
- Burgess A bar
- Burgess clipin type
- Burgess clipin type C
- SAS 150
- SAS 120

For other ceiling type refer to dimensional sketch.

Please be aware that if the tile depth from the front face to the T bar is less than 14.5mm the product will not sit flush to the front of the ceiling



Omega Pro

How to order

Standard lay-in

Concealed grid ceiling

Codes with MRM in the description are complete with brackets pre fitted

Suspended

Order 96241604
4 point suspension kit
(3 x 12 and 6 x 12 require 8 wires)

Surface

597x597:
Order 96241603
625x625:
Order 96242198

Accessories



Final Product



Ordering Guide

Description	Wt (kg)	SAP Code
Omega Pro 6x6		
OMEGA PRO 4100 HF Q597 LED840	5.60	96627666
OMEGA PRO 4100 HF Q597 LED830	5.60	96627671
OMEGA PRO 4100 HF Q625 LED840	5.80	96627668
OMEGA PRO 4100 HF Q625 LED830	5.80	96627673
OMEGA PRO 4100 EHF Q597 LED840	5.60	96627677
OMEGA PRO 4100 EHF Q597 LED830	5.60	96627678
OMEGA PRO 4100 HF Q597 MRM LED840	6.00	96627680
OMEGA PRO 4100 HF Q597 MRM LED830	6.00	96627685
OMEGA PRO 4100 HF Q625 MRM LED840	6.20	96627682
OMEGA PRO 4100 HF Q625 MRM LED830	6.20	96627687
OMEGA PRO 4100 EHF Q597 MRM LED840	6.00	96627691
OMEGA PRO 4100 EHF Q597 MRM LED830	6.00	96627692
Omega Pro 6x6 Emergency		
OMEGA PRO 4100 HF E3 Q597 LED840	7.20	96627670
OMEGA PRO 4100 EHF E3 Q597 LED840	7.20	96627679
OMEGA PRO 4100 HF E3 Q597 MRM LED840	7.60	96627684
OMEGA PRO 4100 EHF E3 Q597 MRM LED840	7.60	96627693
Omega Pro 6x6 Dimmable		
OMEGA PRO 4100 HFIX Q597 LED840	5.60	96627667
OMEGA PRO 4100 HFIX Q597 LED830	5.60	96627672
OMEGA PRO 4100 HFIX Q625 LED840	5.80	96627669
OMEGA PRO 4100 HFIX Q625 LED830	5.80	96627674
OMEGA PRO 4100 HFIX Q597 MRM LED840	6.00	96627681
OMEGA PRO 4100 HFIX Q597 MRM LED830	6.00	96627686
OMEGA PRO 4100 HFIX Q625 MRM LED840	6.20	96627683
OMEGA PRO 4100 HFIX Q625 MRM LED830	6.20	96627688
Omega Pro 6x6 Dimmable, Emergency		
OMEGA PRO 4100 HFIX E3 Q597 LED840	7.20	96627676
OMEGA PRO 4100 HFI-X E3TX Q597 LED840	7.20	96627675
OMEGA PRO 4100 HFIX E3 Q597 MRM LED840	7.60	96627689
OMEGA PRO 4100 HFI-X E3TX Q597 MRM LED840	7.60	96627690

Description	Wt (kg)	SAP Code
Omega Pro 3x12		
OMEGA PRO 3150 HF 3X12 LED830	5.6	96627425
OMEGA PRO 3150 HF 3X12 LED840	5.8	96627424
OMEGA PRO 3150 HF 3X12D LED830	5.8	96627449
OMEGA PRO 3150 HF 3X12D LED840	5.8	96627448
Omega Pro 3x12 Emergency		
OMEGA PRO 3150 HF E3 3X12 LED830	7.4	96627429
OMEGA PRO 3150 HF E3 3X12 LED840	7.4	96627428
Omega Pro 3x12 Dimmable		
OMEGA PRO 3150 HFIX 3X12 LED830	5.6	96627427
OMEGA PRO 3150 HFIX 3X12 LED840	5.6	96627426
OMEGA PRO 3150 HFIX 3X12D LED830	5.8	96627451
OMEGA PRO 3150 HFIX 3X12D LED840	5.8	96627450
Omega Pro 3x12 Dimmable, Emergency		
OMEGA PRO 3150 HFIX E3 3X12 LED830	7.4	96627433
OMEGA PRO 3150 HFIX E3 3X12 LED840	7.4	96627432
OMEGA PRO 3150 HFI-X E3TX 3X12 LED830	7.4	96627435
OMEGA PRO 3150 HFI-X E3TX 3X12 LED840	7.4	96627434
Omega Pro Accessories		
OMEGA LED SURFACE MTG KIT 597	2.50	96241603
OMEGA LED SURFACE MTG KIT 625	2.10	96242198
OMEGA LED SURFACE MTG KIT 297X1197	2.70	96241760
OMEGA LED SURFACE MTG KIT 309X1247	3.00	96627529
OMEGA LED SUSPENSION KIT	0.80	96241604
SENSA S2 SF	1.10	96550419
SENSA S2 WM	1.00	96550421

HF Fixed output
 MRM Metal ceiling mounting
 Q Square
 HFIX DALI dimmable and Switch/Push DIM
 E3 3 hour emergency
 E3TX 3 hour emergency SelfTest/Addressable
 EHF Fixed output (European made)

Omega Pro 6x12 will be available from Autumn 2015

Recessed Modular Luminaires

Product overview

Every product within our recessed range allows you to create the right balance between performance, efficiency and comfort



Pallion

A minimalist luminaire with maximum lighting impact

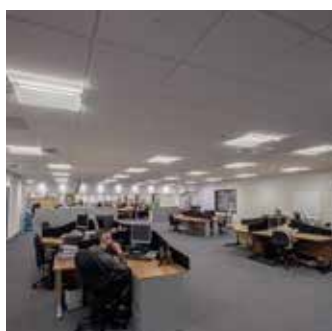
www.thornlighting.com/PALL



Menlo³

Distinctive LED luminaires with outstanding aesthetics, photometric performance and up to 94lm/W efficacy

www.thornlighting.com/MNLO



Elevation

A recessed LED modular with a choice of optics for optimum lighting of offices and retail spaces

www.thornlighting.com/ELEV



Menlo³ Circular
Unique recessed luminaires with a totally
alternative aesthetic

www.thornlighting.com/MNLC

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www.thornlighting.com



5 Year Warranty

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

www.thornlighting.com/warranty

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