



50% less energy than a 4x18W T26 (T8) fluorescent with adjustable mounting options for through-life flexibility

- With the use of simple mounting kits, the recessed version offers increased flexibility, for use where either surface or suspended mounting is required.
- Good glare control (UGR<19/22) allows easy retrofit for traditional luminaires. DALI dimming (as standard) further increases energy savings
- Long 50,000-hour lifetime (@L70, Ta 25°C) significantly reduces maintenance demands and costs
- IP44 extends application scope to include restrooms and hospitals
- Available in 6 sizes: 300x300mm, 600x600mm/625x625, 300x1200/315x1250mm, 600x1200mm

### Applications

- Circulation and reception areas
- Restrooms
- General illumination, for example libraries
- Hospital
- Offices/education/meeting rooms
- Kitchen

### Lamp Information

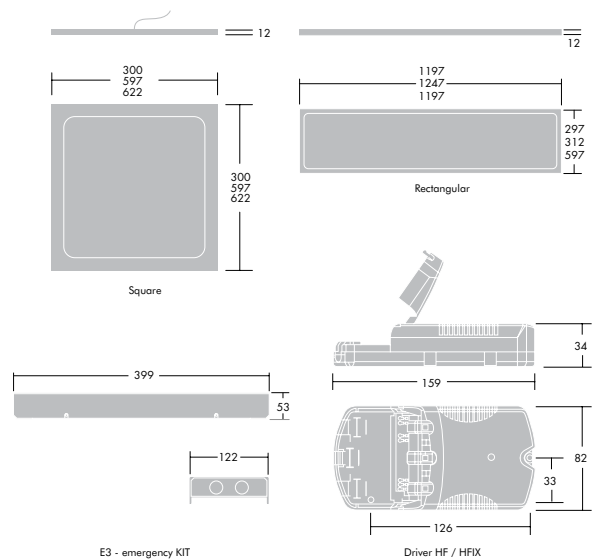
- Life time 50,000 Hours @L70 Ta 25°C
- CRI: >80
- 81 Llm/W @ 3250 lm (40W)
- SDCM: MacAdams 4 initial
- Colour Temperature 3000, 4000K



Surface version

Suspended version

### Overview



### Standards



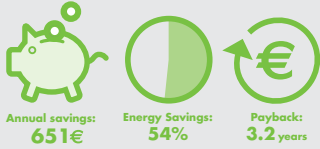
### Lamps



## Energy efficiency

The example below compares the performance and lifetime cost of a recessed T5, T8 vs new Omega LED

### Office - Room: 12m x 12m x 3m

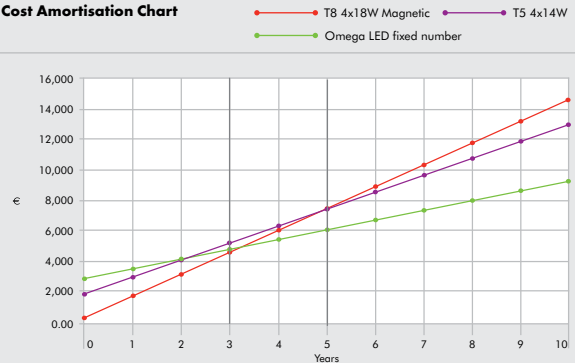


	Quantity	W	Lx level	W/m <sup>2</sup>	energy saving %	avg cost saving/yr
Recessed 4x18W T8	25	2160	508	15.00	-	-
Recessed 4x14W T5	25	1557	519	10.82	28	338 EUR
Omega LED 3250	25	925	451	6.25	54	651 EUR

### Investment costs vs. running costs of solution (absolute)



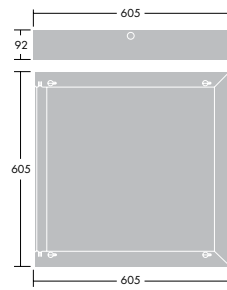
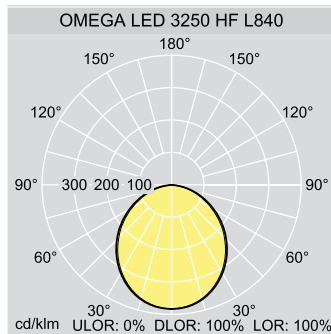
### Total Cost Amortisation Chart



Assumptions: 5 day working week, working time: 7am-5:30pm. Total burning hours/year 2,750h. Scenario: refurbishment installation; no investment for T8, investment cost for all other products considered. Payback time: LED - 3.2 years, T5 - 4.9 years.

**Based on 10 year project life time.**

## Overview



Surface MTG KIT 597

## Ordering Guide

Description	Weight (Kg)	SAP Code	
		3000 K	4000 K
<b>Omega LED 300x300</b>			
OMEGA LED 1000 HF	2.3	96241752	96241753
OMEGA LED 1000 HFIX	2.3	96241754	96241755
OMEGA LED 1000 HF E3	3.8	96241756	96241757
OMEGA LED 1000 HFIX E3	3.8	96241758	96241759
<b>Omega LED 600x600</b>			
OMEGA LED 3250 HF	4.6	96241575	96241576
OMEGA LED 3250 HFIX	4.6	96241579	96241580
OMEGA LED 3250 HF E3	6.1	96241583	96241584
OMEGA LED 3250 HFIX E3	6.1	96241585	96241586
<b>Omega LED 625x625</b>			
OMEGA LED 3250 HF	4.8	96241577	96241578
OMEGA LED 3250 HFIX	4.8	96241581	96241582
<b>Omega LED 300x1200</b>			
OMEGA LED 4000 HF	4.6	96241587	96241588
OMEGA LED 4000 HFIX	4.6	96241589	96241590
OMEGA LED 4000 HF E3	6.1	96241591	96241592
OMEGA LED 4000 HFIX E3	6.1	96241593	96241594
<b>Omega LED 315x1250</b>			
OMEGA LED 4000 HF	4.9	96241606	96241607
OMEGA LED 4000 HFIX	4.9	96241608	96241609

## Materials/Finish

Body: mild sheet steel, white (RAL9016)  
 Diffuser: UV-stabilized, opal acrylic diffuser

## Installation/Mounting

Recessed: lay in only for most suspended T15/24 ceilings. 300x300 suitable for pull up installations (concealed & plaster board ceilings)  
 Surface: collar type - fixed to the ceiling with 4 screws via keyhole slots (centre spacing: W480xL532), product to be layed in.  
 Suspended: suspended via adjustable wire suspension (1500mm), 2 fixing points to the ceiling 300x300 is not suitable for suspension mounting.

## Specification

To specify state: A versatile square/rectangular luminaire for recessed, surface and suspended mounting with LED light source with 3000/4000K colour temperature, CRI >80 and a lifetime of 50,000 Hours @ L70 Ta 25C. As Thorn Omega LED.

Description	Weight (Kg)	SAP Code	
		3000 K	4000 K
<b>Omega LED 600x1200</b>			
OMEGA LED 5000 HF	9.0		96241596
OMEGA LED 5000 HFIX	9.0		96241598
OMEGA LED 5000 HF E3	10.5		96241600
OMEGA LED 5000 HFIX E3	10.5		96241602
<b>Accessories</b>			
OMEGA LED SURFACE MTG KIT 300			96241821
OMEGA LED SURFACE MTG KIT 597			96241603
OMEGA LED SURFACE MTG KIT			96241760
OMEGA LED SUSPENSION KIT			96241604
GRIPPLE SAFETY WIRE			96239327

HF Electronic ballast, fixed output  
 HFIX Electronic ballast, digital dimmable and addressable (DALI)  
 E3 3h emergency module with manual test