



LED ambient lighting

Life M brings LED technology to the workplace. The ever improving performance of LED solutions allows them to be used not only for display and effect lighting, but now in modular ambient applications as well.

Improving the lit environment

Life M sets new standards in ambient lighting solutions. The soft glare-free ambience created by Life M will enhance any application. A unique hexaprisms diffuser ensures even illumination without the brightness traditionally associated with LED solutions. This leads to improved cylindrical illuminance, resulting in better modelling and facial recognition.

Quality and Compliance Assured

Life M delivers quality and compliance in every area. Single bin LED sets ensure a consistent 4000K colour temperature, whilst the uniform diffusion of light delivers surface brightness below 3,000Cd/m² and eliminates drop off in illumination commonly found in T5 solutions. This enables Life M to meet the lighting quality standards laid out in EN12464.

Delivering Energy Savings

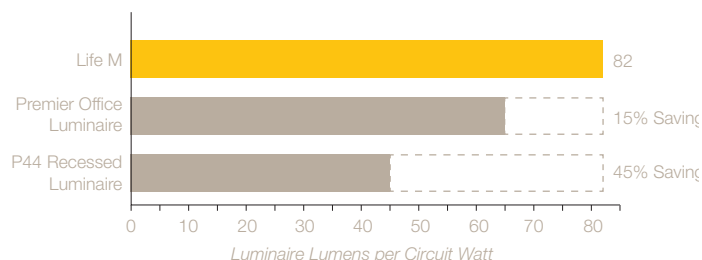
Premier Commercial Office Luminaires

LED solutions are primarily employed for energy saving. Premier T5 recessed office luminaires can deliver 65 luminaire lumens per circuit watt. Life M, delivering 74 luminaire lumens per watt, will achieve energy savings of 10%.

IP44 Recessed Diffuser Luminaires

For lighting applications requiring IP44 protection, typical T5 diffuser luminaires deliver 45 luminaire lumens per watt. Life M, offering IP44 protection as standard will deliver energy savings of up to 40%.

Furthermore, integrated DALI lighting controls can further reduce energy load, allowing compliance with the higher levels of BREEAM.







Optics

- Precise pattern Hexaprism optic for all-round glare control and perfect uniformity
- No drop off of illumination commonly found in fluorescent luminaires at lamp ends or between lamps
- 4100 lumen 50W LED light engine
- 1200 x 300mm is 3800 lumens
- Surface brightness below 3,000cd/m² for use in VDT areas
- 50,000 hour life
- Up to 82 luminaire lumens per circuit watt

Body

- Steel body finished white
- Shallow body profile
- IP44 protection as standard
- For 600 x 600mm or 1200 x 300mm grid ceilings
- Recessed mounted

life M

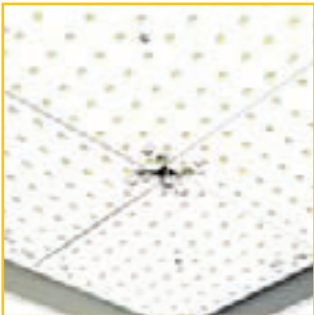
Order Codes

Life M 600 x 600 Hexaprism Optic DALI 3hr Emergency
4100 Lumen 4000K LM6Y14KP LM6Y24KPEM

Life M 1200 x 300 Hexaprism Optic DALI 3hr Emergency
3800 Lumen 4000K LM12Y34KP LM12Y44KPEM

Options

EASYTEST Add suffix /ET i.e. LM6Y24KP/ET
COMEPS Add suffix /EP i.e. LM6Y24KP/EP



LED Light Engine

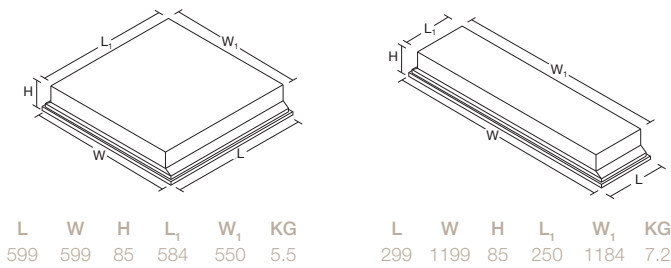
Ceiling Integration

Exposed T Grids
T15/T25 Pull up

Spring T Grids

SAS – 150/120
Armstrong – Orcal 1800/3000
Burgess – Clip in/A bar

Dimensions

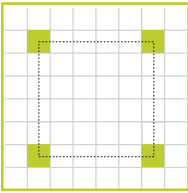


LED Performance

Colour Temp Ra (CRI) Life Expectancy Colour Consistency
4000K ≥ 80 L₇₀ (50,000hrs) MacAdam 4 SDCM

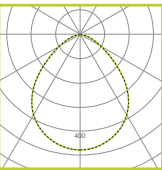
Performance Guide

Lamps Illuminance Spacing
50W LED 420 lux 3.0m x 3.0m



Maintenance:
0.8
Reflectance:
70/50/20
Ceiling Height:
2.8m
Working Plane:
0.8m

Photometric Performance



50W LED
4100 lumens
• LOR = 100%

Utilisation Factors UF(F)

Room Reflectance Room Index
C W F 1.00 3.00 5.00
0.70 0.50 0.20 0.78 1.00 1.06

To Specify

Recessed LED 600 x 600mm or 1200 x 300mm luminaire with slimline steel body and Hexaprism optic for all-round glare control. Surface brightness to be below 3,000cd/m² as per Whitercft Lighting LIFE M