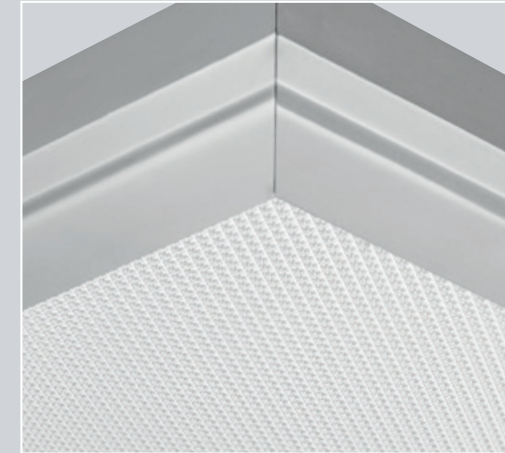





Recessed



OWL MICROPRISMATIC

LED 

Designed specifically for office use and to help comply to the requirements of CIBSE Lighting Guide 7: Office Lighting: 2015 Amendments. A 600x600mm recessed, suspended or surface ultra slim luminaire designed to give an even panel luminance by use of edge lit LED technology.

- Extruded aluminium body section houses the LEDs and acts as a heat sink. Recessed body supplied in silver. Surface and suspended bodies supplied in white (RAL9010) as standard, silver (RAL9006) available on request
- A sandwich of an acrylic microprismatic panel below a graduated screen printed clear panel ensures the light is transmitted evenly from the perimeter LEDs to the centre of the panel.
- The microprismatic diffuser reduces the luminance at 65° from the vertical, making the Owl Microprismatic ideal for use in office areas with high luminance screens.
- Average luminance at 65° for 600x600mm Microprismatic Owl: 4000K – 1700 cd/m²
- Colour rendering index Ra >80.
- Predicted lifetime >50,000 hours.
- Colour temperature – available in 4000K version as standard. Others available on request.
- Lumen Depreciation: 5000 hours – 95.5% 10,000 hours – 90%
- IP40 rated.
- No ultra violet or infra red emissions.
- Tridonic drivers supplied as standard. Available in fixed output, DALI, DSI or Switchdim operation.
- Standard, self test and DALI reporting 3 hour maintained emergency conversions are available. Emergency LED charge indicators are mounted in the body of the surface and suspended version and in a remote 35mm diameter (20mm cut out) housing for the recessed version.
- Photometric data available in Eulumdat format on request or via Relux website.
- Nominal lumen outputs are shown in the table, but alternative preset outputs are available, at special request in the range 2200 - 4000 lumens.
- Standard ITAB Prolight LED warranty (see page 161).

LIGHTING GUIDE 7: OFFICE LIGHTING: 2015 AMENDMENTS

The addendum states that the surface reflectance and illuminance needs to be between and above the following values:

Ceiling:	70-90%. Average Illuminance >50 Lux with U>0.1
Walls:	50-80%. Average Illuminance >75 Lux with U>0.1
Floor:	20-40%.

If wall washing is used then scalloping should be avoided and the wall luminance should be less than 1500 cd/m²

Average Luminance at 65° for the Owl/MAP = 1700 cd/m²

Luminaire Efficacy = 92 Lm/cW

TYPICAL DESIGN INFORMATION: Based on 2.6m Ceiling Height, RI >5 and MF = 0.8

	Average Task Illuminance	Average Floor Illuminance	Average Ceiling Illuminance	Average Wall Illuminance
2.4x2.4m Centres Reflectance 70/50/20:	512 Lux	436 Lux	96 Lux (22%) U=0.53	139 Lux (32%) U=0.32
2.4x2.4m Centres Reflectance 90/80/40:	621 Lux	549 Lux	198 Lux (36%) U=0.53	228 Lux (42%) U=0.32
3x2.4m Centres Reflectance 70/50/20:	412 Lux	350 Lux	77 Lux (22%) U=0.52	112 Lux (32%) U=0.31
3x2.4m Centres Reflectance 90/80/40:	499 Lux	440 Lux	158 Lux (36%) U=0.51	184 Lux (42%) U=0.38

In summary, the Owl MAP complies to LG7 higher luminance limits.

Wall illuminance can be improved by positioning fittings closer to the walls but care must be taken with the 1500 cd/m² luminance limit.

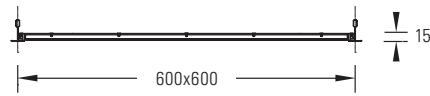


Surface



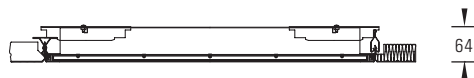
Wire Suspended

Recessed Modular Exposed Tee Ceilings

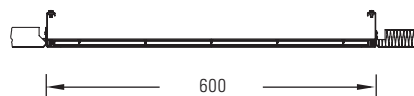


Remote gear box size 450x150x50mm

Recessed Concealed Fix Ceilings

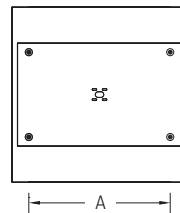
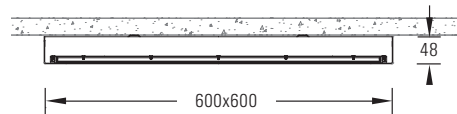


600



600
Remote gear box size 450x150x50mm

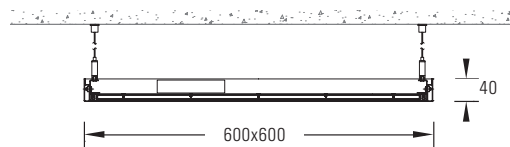
Surface



Surface fittings have central BESA fixing and cable entry, plus fixing dimples at the following centres which must be used if fixing to conduit box:

Fitting Size	Dim. A	Dim. B
600 x 600	500mm	300mm

Wire Suspended



Catalogue No.	Nominal Dimensions (mm)	Luminaire Flux (Lumens)	LED Wattage	Total System Wattage	Luminaire Lumens/ Circuit Watt	Colour Temp	CRI	Weight (Kg)
Recessed Modular Exposed T Ceilings								
OWL66M/27/4K	600x600	2700	26.0	30	90	4000K	>80	5.5
OWL66M/34/4K	600x600	3400	32.0	37	92	4000K	>80	5.5
OWL66M/42/4K	600x600	4200	39.5	46	91	4000K	>80	5.5
Recessed Concealed Fix Ceilings								
OWL66M/27/4K/B	600x600	2700	26.0	30	90	4000K	>80	6.5
OWL66M/34/4K/B	600x600	3400	32.0	37	92	4000K	>80	6.5
OWL66M/42/4K/B	600x600	4200	39.5	46	91	4000K	>80	6.5
Surface								
OWL66M/27/4K/SM	600x600	2700	26.0	30	90	4000K	>80	7.5
OWL66M/34/4K/SM	600x600	3400	32.0	37	92	4000K	>80	7.5
OWL66M/42/4K/SM	600x600	4200	39.5	46	91	4000K	>80	7.5
Wire Suspended								
OWL66M/27/4K/SP	600x600	2700	26.0	30	90	4000K	>80	7.5
OWL66M/34/4K/SP	600x600	3400	32.0	37	92	4000K	>80	7.5
OWL66M/42/4K/SP	600x600	4200	39.5	46	91	4000K	>80	7.5

Dimmable Drivers: To specify DALI driver add 'D' to catalogue number: e.g. OWL66M/34D/4K/B. To specify DALI driver wired for Switchdim operation add 'DW' to catalogue number: e.g. OWL66M/34DW/4K/B

Emergency Conversion: To specify 3 hour maintained emergency packs, add 'E' to catalogue number: e.g. OWL66M/34E/4K/B

Self Test Emergency Conversion: To specify 3 hour maintained emergency packs, add 'ES' to catalogue number: e.g. OWL66M/34ES/4K/B

For **Plasterboard Frame**, please quote catalogue number: OWL/660/PB FRAME; cut out required: 625x625mm

Please specify required suspension length at time of enquiry.