



Whitecroft
lighting

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Whitecroft
lighting

whitecroftlighting.com



Oculus
Simply stylish



Oculus

A powerful statement of both minimal design and maximum performance. Free from the form factor constraints of conventional source technology Oculus has a stunning profile that helps deliver the desired ambience without intruding into the space.

Perfect in any space

Oculus has been created with a single purpose in mind: to make the perfect lighting solution easy to achieve, whatever the location and whatever the activity. Discreet in its design and versatile in its configuration, it's the perfect suspended solution in spaces of every description. Satisfaction that's enhanced by market-leading efficacy of up to 140lm/cm.

Optimised application appearance

Whatever the combination, diameter or height of Oculus, the optimised light engine offers a constant level of surface brightness for a consistent visual appearance. The units owe this consistency to LED modules that fit seamlessly into their design and come together to form a single light engine.



Body

Choice

Made from spun aluminium and available in three diameters, the chamfered edge reduces visual weight and achieves an aesthetically satisfying but unobtrusive solution. The pleasing aesthetic is available in white or silver making it ideal for applications from high open atria to smaller meeting or breakout areas. An integral shadow gap between body and diffuser adds style and visual interest to the overall lighting installation.



Uplighting as standard

Oculus has an integral uplighting element as standard, increasing ceiling surface illuminance to create brighter and enhanced spaces.



Uplighting

Optics

High uniformity diffuser

Oculus employs a complex polymer which combines microscopic pearls of opal thermoplastic elements in a clear base, resulting in excellent light transmission. The advanced diffusing properties, which reduced the distance between LED and diffuser, deliver a high uniformity diffuser and maximum light transmission.

Boost optic

Available in the 550mm diameter product only, the boost optic is for mounting heights above 5m. The outer opal micro polymer diffuser is accompanied by a central optic boost which incorporates 36 LEDs each with an individual prismatic lens. The result is a narrow beam of light ideal for higher mounting heights.

Efficiency – 140 ll/cw

Utilising the latest LED technology, the unique configuration used in Oculus means that the LEDs are densely distributed utilising up to 1,130 LEDs per product, which maximises energy performance. The result is up to 140 ll/cw.

Choice of colour temperatures

Oculus is available with choice of either 3000K 'warm' or 4000K 'cool' white LEDs.

Integral emergency options

Compliance to BS/EN standards with integral 3-hour emergency or COMEPEPS avoids the cost and visible impact of a separate standalone unit.

Easy to install

With integral 3-hour emergency or COMEPEPS and a 3 into 1 single suspension point, the unit is efficient to install and delivers a more appealing environment with uncluttered ceilings. The suspension can be adjusted at the luminaire or the ceiling plane, while the 750mm and 1000mm diameter products are delivered with a plug and play solution as standard.



3 into 1 suspension



Boost optic



Oculus

Architectural pendant LED luminaire



Optics

Two options:

Opal micro polymer diffuser

Low output

- 2500 lumens, 550mm dia. (19W)
- 6000 lumens, 750mm dia. (45W)
- 10,000 lumens, 1000mm dia. (76W)

High output

- 3500 lumens, 550mm dia. (25W)
- 8400 lumens, 750mm dia. (64W)
- 14,000 lumens, 1000mm dia. (106W)

Opal micro polymer outer diffuser with central boost optic 550 diameter incorporating 36 LEDs with individual prismatic lens

High output

- 6400 lumens, 550mm dia. (47W)
- 8100 lumens, 550mm dia. (60W)

- All diameters of luminaires have a common surface brightness micro polymer (excluding opal micro polymer central boost optic)
- Integrated uplight offered as standard
- Choice of 3000K 'warm' or 4000K 'cool' white colour temperature

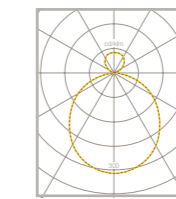
Body

- Low profile spun aluminium body with chamfered edge detail for a thin appearance
- 3 into 1 point suspension kit supplied separately (3, 5 or 7 meters)
- Available with 3-hour integral emergency and COMEPEPS (incorporated within the luminaire)
- Finished in white or silver
- DALI as standard
- Three versions: 550mm, 750mm or 1000mm diameter

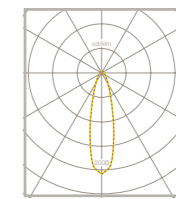


Boost optic

Photometric Performance



High Output
550 Ø
3500 lumens,
25W
• LOR = 100%
• SHR MAX
= 1.57



High Output
550 Ø Boost
8100 lumens,
60W
• LOR = 100%
• SHR MAX
= 0.56

Utilisation Factors UF(F)

Room Reflectance	Room Index	C	W	F	
1.00	3.00	5.00	0.70	0.50	0.20
0.65	0.92	0.98			

Utilisation Factors UF(F)

Room Reflectance	Room Index	C	W	F	
1.00	3.00	5.00	0.70	0.50	0.20
0.76	0.98	1.04			

Order Codes

Micro polymer diffuser

Low output, White

	DALI	3hr Emergency
550mm Ø, 2500 lumens (19W)	OMSY14KW	OMSY14KWEM
750mm Ø, 6000 lumens (45W)	OMMY54KW	OMMY54KWEM
1000mm Ø, 10,000 lumens (76W)	OMLY74KW	OMLY74KWEM

High output, White

	DALI	3hr Emergency
550mm Ø, 3500 lumens (25W)	OMSY24KW	OMSY24KWEM
750mm Ø, 8400 lumens (64W)	OMMY64KW	OMMY64KWEM
1000mm Ø, 14,000 lumens (106W)	OMLY84KW	OMLY84KWEM

Micro polymer diffuser with central boost optic

High output, White

	DALI	3hr Emergency
550mm Ø, 6000 lumens (47W)	OPSY34KW	OPSY34KWEM
550mm Ø, 8100 lumens (60W)	OPSY44KW	OPSY44KWEM

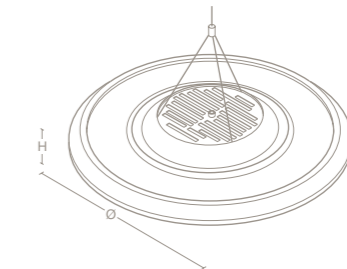
Accessories

3M suspension kit	OMSUSKIT3M
5M suspension kit	OMSUSKIT5M
7M suspension kit	OMSUSKIT7M

Options

SILVER	Replace W with S	i.e. OMSY14KS
COMEPEPS	Add suffix EP	i.e. OMSY14KWEP

Dimensions



Version	Ø	H	KG	KG ₂
550mm diameter	550	98	4.7	5.2
750mm diameter	750	98	6.7	7.2
1000mm diameter	1000	98	10.2	10.7

LED Performance

Colour Temp Ra (CRI) Life Expectancy Colour Consistency

3000K/4000K	≥ 80	L ₈₀ (50,000hrs)	MacAdam 3 SDCM
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To Specify

Oculus (opal micro polymer diffuser)

Architectural pendant LED luminaire with direct: indirect lighting and advanced micro polymer diffuser delivering common surface brightness across the 550mm, 750mm & 1000mm diameters versions of the luminaire. Spun aluminium body with single point suspension and emergency integrated within the luminaire – as Whitecroft Lighting OCULUS.

Oculus (opal micro polymer diffuser with central boost optic)

Architectural pendant LED luminaire with direct: indirect lighting and advanced outer micro polymer diffuser and inner boost optic incorporating 36 LEDs, each with an individual prismatic lens. Spun aluminium body with single point suspension and emergency integrated within the luminaire – as Whitecroft Lighting OCULUS.