

# Mirage 3

Simply professional





Be  
creative

Be  
bold

Be  
different



# A growing family

With the addition of the Mirage 3 surface and suspended range, the Mirage 3 family keeps on growing. Combining superior lighting mechanics with harmonised aesthetics to deliver a total project solution for every sector.

# An inspiring solution

When you are looking to enhance spaces, accentuate building architecture and deliver compliance and superior visual comfort all at the same time, your solution is Mirage 3.

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## Lighting design toolkit

Mirage 3 is your lighting design toolkit. Create your desired look and feel while knowing you're totally compliant with our family of luminaires available in recessed, surface and suspended, with a varied choice of sizes, reflectors, optics and colours.

Mirage 3 not only looks great, with careful attention given to glare reducing optics and a choice of beam distributions and lumen outputs, Mirage 3 will add visual interest and comfort to any lighting scheme.

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## Colour and light quality

As well as good looks, the Mirage 3 family benefits from outputs up to 4000 lumens and is available with colour temperatures 3000K, 4000K with tuneable white and colour rendering of Ra80 or Ra90.

Each product in the series offers a variety of beam distributions and a choice of four reflector types to aid the delivery of the aspired lit effect and, where required, visual comfort and compliance.

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## Flexibility

Surface and suspended luminaires are available finished in white, black or silver with a choice of semi-specular, specular, white or black reflectors.

Recessed versions feature a black or white slim bezel designed to blend seamlessly with both ceiling and reflector to create a clean, streamlined feel.

For a more bespoke look you can customise your luminaire with a mix and match bezel and reflector combination.

Further complimented by wallwashers, IP65, MRI versions and discreet emergency integration, this versatile range can provide the ideal solution in a variety of applications.



# Mirage 3 recessed

A timeless classic

While its advanced engineering continues to set benchmarks for performance and sustainability, its enduring aesthetic continues to inspire lighting designers.

Designed with flexibility in mind, Mirage 3 recessed comes in a range of sizes and finishes guaranteed to suit any design, from open plan offices, to corridors, to breakout areas. With further attachments offered on the C165 model to bring even greater visual interest to your space, this industry favourite continues to impress.

# Beyond the ceiling

The Mirage 3 family not only shares an aesthetic, it shares an ethos and the highest compliance standards.

## Outputs and efficiency

The combination of the latest COB (chip on board) technology, graphite embedded heatsink and superior optical design sees the Mirage 3 deliver outputs up to 4000 lumens and efficacies in excess of 120 LL/CW.

## Optional integrated controls

Even the smaller members of the Mirage 3 family can be fitted with discreet Organic Response® sensors so they can communicate with other luminaires. Offering flexible, smart control over your environment.

## Dynamic visual appearance

The Mirage 3 is available with a choice of four reflectors:

- A specular reflector delivers the most effective glare control by managing the luminous intensity of the light source.
- The semi-specular reflector controls the luminaire output to deliver a balance of visual comfort and interest in the observers field of view. The primary option for functional spaces.
- In areas where the luminaire plays an integral part of the architectural vision, black or white reflectors will blend seamlessly with the ceiling and, where required, will help create contrast.



# Flexible, feature & accent lighting

Surface or suspended

With an extruded aluminium body to give a premium quality look, Mirage 3 surface and suspended blend with every architectural style.

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## One bracket, two mounting methods

Mirage 3 gives you great design flexibility.

- Suspended or ceiling mounted
- Available in three diameters and two depths
- Available as standard in white, black or silver
- Single custom colours available on request

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## Suspension methods

- Option 1) Traditional wire and cable (C175 & C120)
- Option 2) Decorative cord (C120 & C88)
- Mix and match decorative cord and ceiling rose. Ceiling rose available in black, white, or silver, decorative cords available in black, white, or grey (C120 & C88)

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## Ceiling rose



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## Decorative cable



# Smart controls

## The mini sensor with maximum control

Meet our leading wireless smart control system, Organic Response®, offering you control, flexibility and energy savings across your space.

Using an innovative Proximity Limited Communication system that reacts to occupancy and daylight, a single luminaire detects and transmits data to nearby luminaires. Those luminaires then communicate with their nearby luminaires creating a cascade effect across a building.

And thanks to our mini passive node, every member of the Mirage 3 family can be seamlessly added to your smart lighting solution and BMS.

### Passive and remote sensor nodes

An integrated solution that can be fully concealed in the luminaire with full wireless node-to-node/node-to-gateway communications.

Must be paired to a sensor node. Maximum sensor node to passive node or passive node to passive node is 10m.



### The Organic Response® Mirage 3

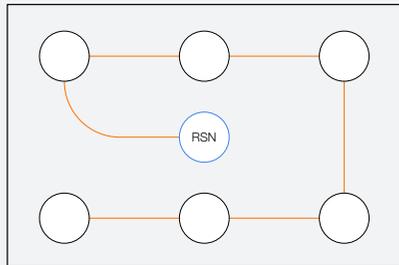
A discreet panel allows the signal from the wireless passive node to communicate with its neighbours.



# Mirage 3 and Organic Response®

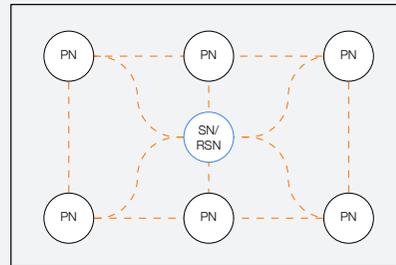
Organic Response® lighting controls are based on distributed intelligence. Each luminaire is fitted with a sensor node that allows it to respond to its environment and information from its neighbouring luminaire, so that the optimal amount of light is delivered when and where needed related to occupancy, daylight and dwell times. For Mirage 3, a variety of sensor and set-up options can be deployed.

## Option 1 – DALI: wired & wireless



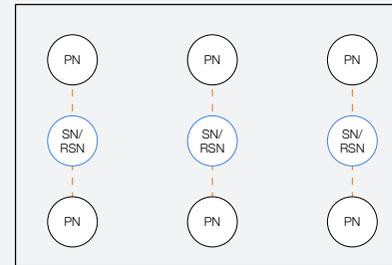
- All Mirage 3 fittings are connected on a DALI pair with the Remote Sensor Node (RSN)
- A hybrid wired/wireless method is perfect for new builds where cabling can be installed with ease
- Offers decreased hardware costs but increased install costs

## Option 2 – fully wireless



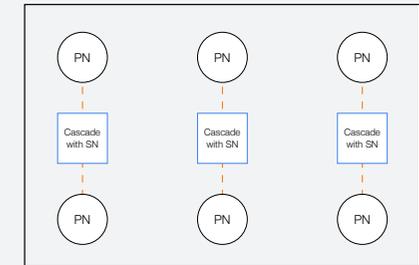
- All Mirage 3 fittings contain a discreet Passive Node (PN) connected via the Organic Response® mesh network with the Sensor Node (SN) or Remote Sensor Node (RSN) controlling them
- A fully wireless solution, perfect for retrofit or new installations where a fully wireless solution is required
- Offers decreased install costs but increased hardware costs

## Option 3 – fully wireless

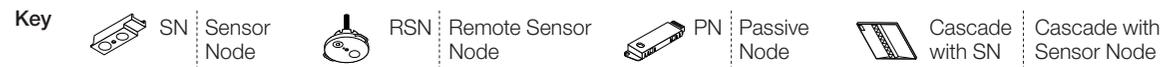


- Mirage 3 fittings are connected in groups to Sensor Nodes (SN) or Remote Sensor Nodes (RSN) via a Wirepas mesh network
- A fully wireless solution, perfect for retrofit or new installations where a fully wireless solution is required
- This connection method has one-to-one connection capability, offering high levels of flexibility for things like daylight and occupancy

## Option 4 – fully wireless with integrated fittings



- Mirage 3 fittings are connected in groups to Sensor Nodes (SN) installed in Whitecroft fittings — such as Cascade Flex — via a Wirepas mesh network
- A fully wireless solution, perfect for retrofit or new installations where a fully wireless solution is required
- This connection method has one-to-one connection capability, offering high levels of flexibility for things like daylight and occupancy



# Circular by design

We have an industry leading approach to sustainable excellence and the Mirage 3 family has been developed with circularity front of mind.



## Future thinking

Zero glue and only two screws used in assembly makes switching, upgrading, recycling or regenerating easy, throughout product lifetime.



## Perfect light, no waste

Our range of optics means every space gets the perfect amount of light, saving on energy.



## UK manufactured

We're UK-based and use local supply partners where possible, so you can be sure components and finished products do not have far to travel to reach most of our projects, ensuring a low carbon footprint.



## High efficacy

Using latest LED and optical technology Mirage 3 offers market leading efficacy, reducing energy consumption.



## Cradle to Cradle®

Taking this one step further is Mirage 3 Vitality which has received independent accreditation and is Cradle to Cradle® Certified Bronze.



## Recycled content

Manufactured with over 50% recycled aluminium, which can also be recycled at end of life.





# Mirage 3

## Recessed sizes



C79



C110



C165



SQ165

## Reflector finishes



Semi-specular



Specular



White



Black

## Bezels\*



Black



White

## Wallwashers



Circular



Square

## C165 series attachments and variations



IP65



MRI



Anti-Ligature



Floating Ring



Cylinder Ring



IP54 Clear Diffuser

## Surface/suspended



C88



C120



C175 - 290mm



C175 - 160mm

# Effective optical design

Mirage 3 features several distribution patterns and, when combined with impressive lumen outputs, makes it easier to deliver efficient and visually comfortable lighting.

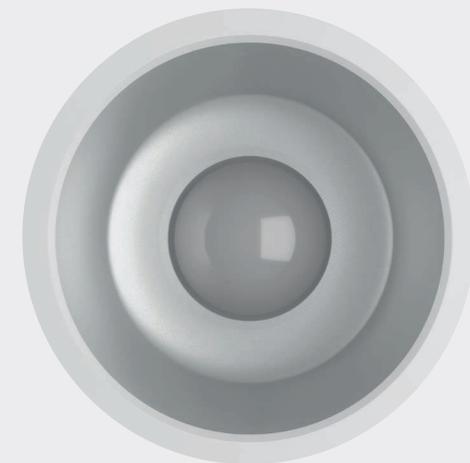
Beam angles are created by a combination of lens or dome optic, reflector and luminaire body size.

The different distribution patterns allow the designer to create feature and accent lighting, optimise lighting design and deliver exceptional visual comfort.

## Optic type

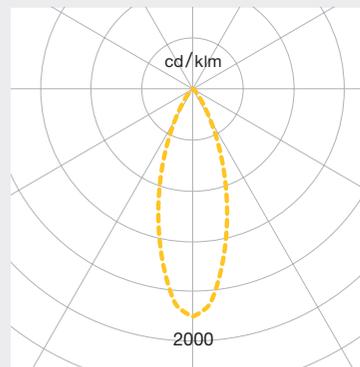


Lens

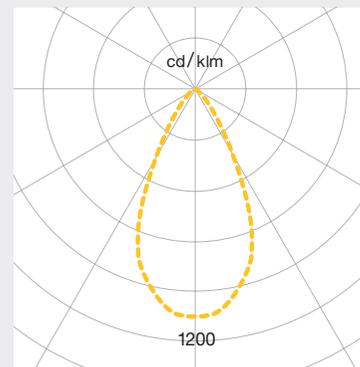


Dome

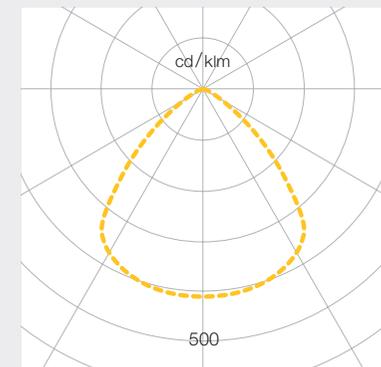
Narrow 36°



Medium 52°



Wide 90°



For photometric performance of other reflectors, please refer to the performance section on individual product pages

The **Mirage 3** family caters for any lighting requirement, utilising its modular components and a choice of 75 different optics, to achieve a wide variety of aesthetics and performance.

Type		Dimensions		Bezel Colour	Colour Temperature		Colour Rendition		Nominal Output					Distribution Pattern			Reflector				Driver		Emergency	
		Cut aperture mm	Depth mm		3000K	4000K	Ra80	Ra90	500lm	1000lm	2000lm	3000lm	4000lm	Narrow	Medium	Wide	Specular	Semi Specular	White	Black	DALI	Fixed Output	EM	COMEPS
C79		79 Ø	79	White	•	•	•	•	•	•			•	•		•	•	•		•	•	•	•	
				Black	•	•	•	•	•	•	•			•	•					•	•	•	•	•
C110		110 Ø	102	White	•	•	•	•		•	•	•			•	•	•	‡		•	•	•	•	
				Black	•	•	•	•			•	•	•			•	•	‡	•	•	•	•	•	•
C165*		165 Ø	106	White	•	•	•	•		•	•	•	•		•	•	•	‡		•	•	•	•	
				Black	•	•	•	•			•	•	•	•		•	•	‡	•	•	•	•	•	•
SQ165		165 x 165	110	White	•	•	•	•		•	•	•	•		•	•	•			•	•	•	•	
				Black	•	•	•	•			•	•	•	•		•	•			•	•	•	•	•
C165 IP65		165 Ø	106	White	•	•	•	•		•	•	•	•		•	•			•	•	•	•		
C165 MRI		165 Ø	110	White	•	•	•	•			•	•		•	•					MRI Dimmable Driver				

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Type		Dimensions		Bezel Colour	Colour Temperature		Colour Rendition		Nominal Output					Distribution Pattern			Reflector				Driver		Emergency	
		Cut aperture mm	Depth mm		3000K	4000K	Ra80	Ra90	500lm	1000lm	2000lm	3000lm	4000lm	Narrow	Medium	Wide	Specular	Semi Specular	White	Black	DALI	Fixed Output	EM	COMEPS
C81 Wallwasher		81 Ø	105	White	•	•	•	‡		•	•			•					•	•	•	•		
SQ81 Wallwasher		81 x 81	105	White	•	•	•	‡		•	•			•					•	•	•	•		

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\* Mirage 3 C165 feature attachments: IP54 Clear Diffuser, Anti-Ligature Kit, Cylinder Ring and Floating Ring

• Standard Option ‡ Custom Option

The **Mirage 3** family caters for any lighting requirement, utilising its modular components and a choice of 75 different optics, to achieve a wide variety of aesthetics and performance.

Type		Dimensions		Body	Colour Temperature			Colour Rendition		Nominal Output				Distribution Pattern			Reflector				Driver	Emergency			Controls
		Overall diameter mm	Depth mm		Colour	3000K	4000K	Tuneable	Ra80	Ra90	500lm	1000lm	2000lm	3000lm	Narrow	Medium	Wide	Specular	Semi-specular	White		Black	DALI	EM	
C88 Surface		88 Ø	290	White Silver Black	•	•		•	•	•	•			•	•		•	•	•	•	•				•
C120 Surface		120 Ø	290	White Silver Black	•	•		•	•		•	•			•	•		•	•	•	•				•
C175 Surface 290mm		175 Ø	290	White Silver Black	•	•	Custom	•	•		•	•	•		•	•		•	•	•	•	•	•	•	•
C175 Surface 160mm		175 Ø	160	White Silver Black	•	•	Custom	•	•		•	•	•		•	•		•	•	•	•				•
C88 Suspended		88 Ø	290	White Silver Black	•	•		•	•	•	•			•	•		•	•	•	•	•				•
C120 Suspended		120 Ø	290	White Silver Black	•	•		•	•		•	•			•	•		•	•	•	•				•
C175 Suspended 290mm		175 Ø	290	White Silver Black	•	•	Custom	•	•		•	•	•		•	•		•	•	•	•	•	•	•	•
C175 Suspended 160mm		175 Ø	160	White Silver Black	•	•	Custom	•	•		•	•	•		•	•		•	•	•	•				•

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