

LED UK

THE ORION RANGE



## ABOUT US

LED UK is an International supplier of LED lighting technology. We specialise in complete energy efficient lighting solutions for both new and retrofit applications. We provide the highest quality LED based products by integrating premium components to ensure reliability and optimum performance.

Our service delivers a full bespoke package from site surveys, lighting design, the provision of leading edge technology and installation.

## THE ORION RANGE

At LED UK we provide a comprehensive range of lighting options for all your commercial applications each tailored to meet the operating and design parameters required.

Lighting design services are available to ensure designs meet BS EN 12464-1:2011, and Society of Light and Lighting: Code for Lighting 2012. We can also provide a cost of ownership analysis to illustrate savings which can be made versus conventional lighting.

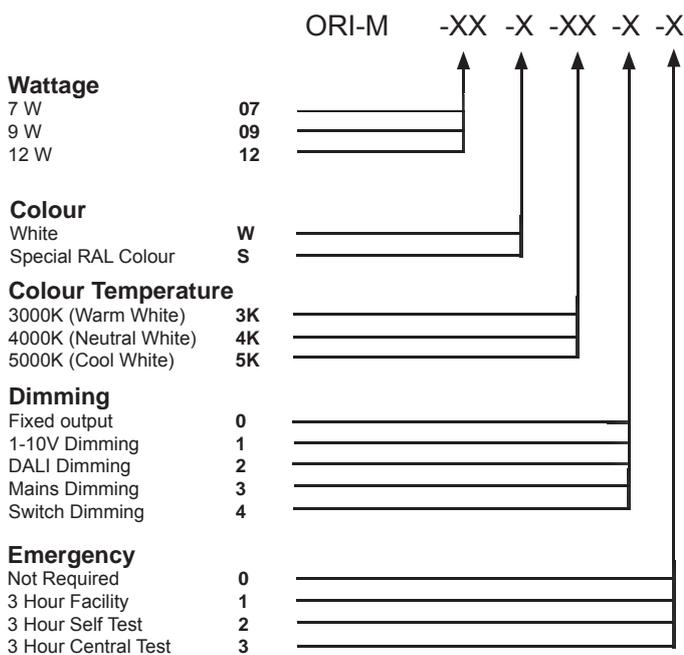
From first point of contact to final sign off we aim to support our customers through the complete process so all details are fully dealt with to maximise performance. Within this brochure we have included our complete Orion Range of LED Downlights. To view our full range of LED products please visit [www.led.uk](http://www.led.uk)

# ORION MINI

- Instant on - no flicker
- Environmentally Friendly - No mercury or lead enters the environment
- No RF and electronic magnetic interference
- Over 50,000 hours life span



The Orion Mini is a 104 x 104mm low void downlight which uses a Samsung LED engine. The heatsink is constructed from die-cast aluminium complete with aluminium bezel and reflector. The heatsink features spring arms which allows the downlight to be installed with ease.



### Example of Code:

ORI-M-09-W-3K-0-0

Wattage:	9 W
Colour:	White
Colour Temp.:	3000K
Dimming:	Fixed output
Emergency:	Not Required



Orion Mini			
Power	7 W	9 W	12 W
Dimensions	104 x 104 x 26mm		Cutout: 90 x 90mm
Installation	Recessed		
Voltage	220-240Vac		

Performance			
Power	7 W	9 W	12 W
Exit Lumens (lm)	630 lm	810 lm	1080 lm
Efficiency	90.0 lm/cW		
Beam Angle	90°		
Colour Rendering	Ra>80/90		
Colour Temperature	3000K / 4000K / 5000K		
Dimming	1-10V / DALI		
Operating Temp.	-40°C to 50°C		
Warranty	5 Years		

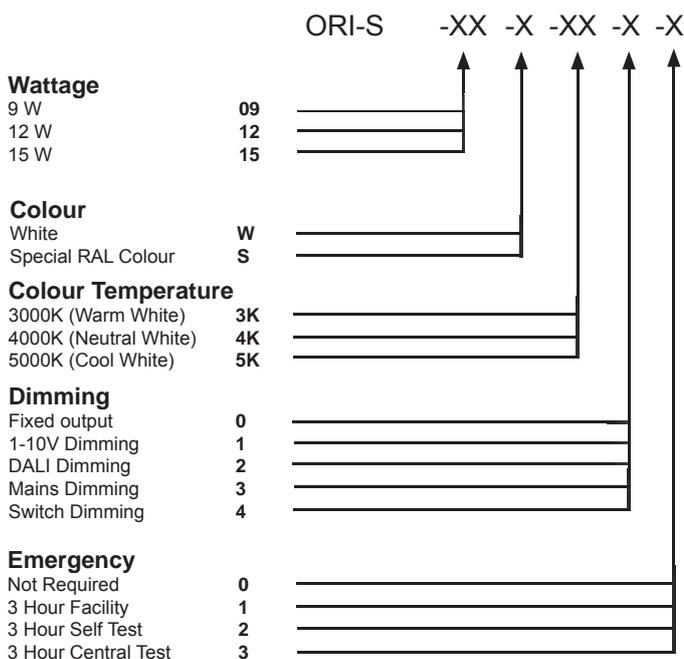
# ORION

- Instant on - no flicker
- Environmentally Friendly - No mercury or lead enters the environment
- No RF and electronic magnetic interference
- Over 50,000 hours life span



The Atlas is a 140mm diameter low void downlight which uses a Samsung LED engine. The heatsink is constructed from die-cast aluminium complete with aluminium bezel and reflector. The heatsink features spring arms which allows the downlight to be installed with ease.

The Atlas is available in outputs from 810lm, 1,080lm and 1,350lm outputs.



### Example of Code:

ORI-S-09-W-3K-0-0

Wattage:	9 W
Colour:	White
Colour Temp.:	3000K
Dimming:	Fixed output
Emergency:	Not Required



Orion			
Power	9 W	12 W	15 W
Dimensions	140 x 140 x 28mm		Cutout: 125 x 125mm
Installation	Recessed		
Voltage	220-240Vac		

Performance			
Power	7 W	9 W	12 W
Exit Lumens (lm)	810 lm	1080 lm	1350 lm
Efficiency	90 lm/cW		
Beam Angle	90°		
Colour Rendering	Ra>80/90		
Colour Temperature	3000K / 4000K / 5000K		
Dimming	1-10V / DALI		
Operating Temp.	-40°C to 50°C		
Warranty	5 Years		

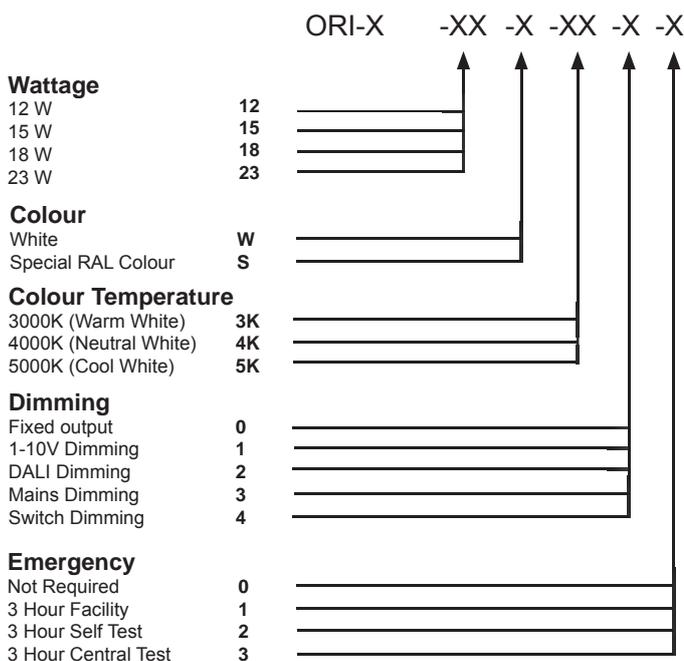
# ORION MAX

- Instant on - no flicker
- Environmentally Friendly - No mercury or lead enters the environment
- No RF and electronic magnetic interference
- Over 50,000 hours life span



The Orion Max is a 180 x 180mm low void downlight which uses a Samsung LED engine. The heatsink is constructed from die-cast aluminium complete with aluminium bezel and reflector. The heatsink features spring arms which allows the downlight to be installed with ease.

The Orion Max is available in outputs from 1,080lm, 1,350lm, 1,620lm and 2,070lm outputs.



## Example of Code:

ORI-X-12-W-3K-0-0

Wattage:	12 W
Colour:	White
Colour Temp.:	3000K
Dimming:	Fixed output
Emergency:	Not Required



Orion Max				
Power	12 W	15 W	18 W	23 W
Dimensions	180 x 180 x 29mm		Cutout: 160 x 160mm	
Installation	Recessed			
Voltage	220-240Vac			

Performance				
Power	12 W	15 W	18 W	23 W
Exit Lumens (lm)	1,080 lm	1,350 lm	1,620 lm	2,070
Efficiency	90 lm/cW			
Beam Angle	90°			
Colour Rendering	Ra>80/90			
Colour Temperature	3000K / 4000K / 5000K			
Dimming	1-10V / DALI			
Operating Temp.	-40°C to 50°C			
Warranty	5 Years			

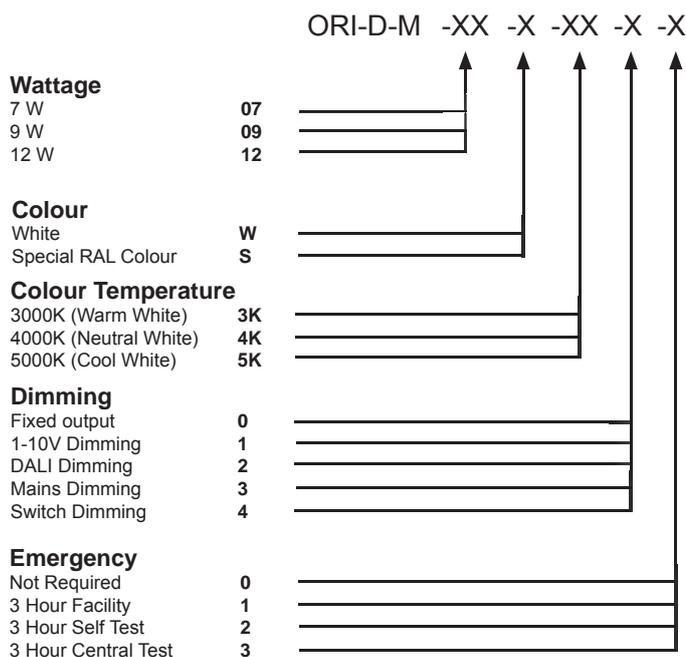
# ORION DEEP MINI

- Instant on - no flicker
- Environmentally Friendly - No mercury or lead enters the environment
- No RF and electronic magnetic interference
- Over 50,000 hours life span



The Orion Deep Mini is a 104 x 104mm low void downlight which uses a Samsung LED engine. The Orion Deep has a 10mm recessed bezel feature for anti-glare cutoff. The heatsink is constructed from die-cast aluminium complete with aluminium bezel and reflector. The heatsink features spring arms which allows the downlight to be installed with ease.

The Orion Deep Mini is available in outputs from 630lm, 810lm and 1,080lm outputs.



### Example of Code:

ORI-D-M-09-W-3K-0-0

Wattage:	9 W
Colour:	White
Colour Temp.:	3000K
Dimming:	Fixed output
Emergency:	Not Required



Orion Deep Mini			
Power	7 W	9 W	12 W
Dimensions	104 x 104 x 36mm	Cutout: 90 x 90mm	
Installation	Recessed		
Voltage	220-240Vac		

Performance			
Power	7 W	9 W	12 W
Exit Lumens (lm)	630 lm	810 lm	1080 lm
Efficiency	90.0 lm/cW		
Beam Angle	90°		
Colour Rendering	Ra>80/90		
Colour Temperature	3000K / 4000K / 5000K		
Dimming	1-10V / DALI		
Operating Temp.	-40°C to 50°C		
Warranty	5 Years		

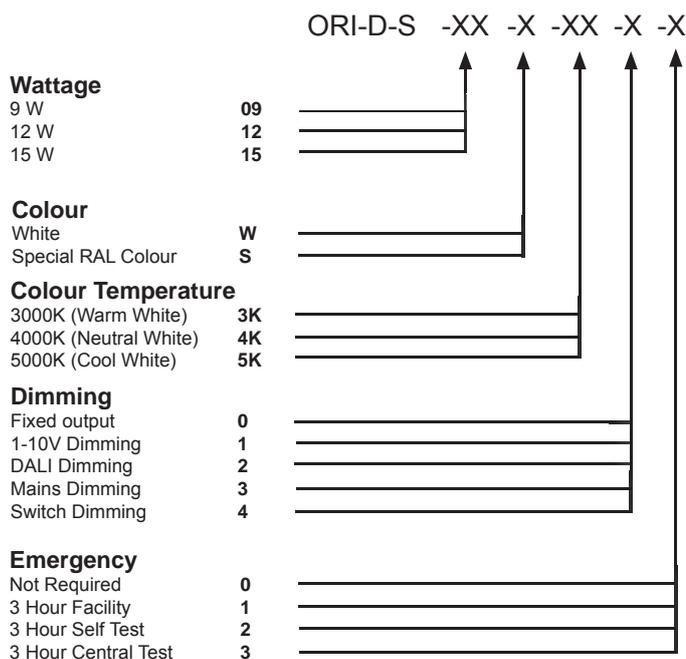
# ORION DEEP

- Instant on - no flicker
- Environmentally Friendly - No mercury or lead enters the environment
- No RF and electronic magnetic interference
- Over 50,000 hours life span



The Orion Deep is a 140 x 140mm low void downlight which uses a Samsung LED engine. The Orion Deep has a 10mm recessed bezel feature for anti-glare cutoff. The heatsink is constructed from die-cast aluminium complete with aluminium bezel and reflector. The heatsink features spring arms which allows the downlight to be installed with ease.

The Orion Deep is available in outputs from 810lm, 1,080lm and 1,350lm outputs.



### Example of Code:

ORI-D-S-09-W-3K-0-0

Wattage:	9 W
Colour:	White
Colour Temp.:	3000K
Dimming:	Fixed output
Emergency:	Not Required



Orion Deep			
Power	9 W	12 W	15 W
Dimensions	140 x 140 x 38mm	Cutout: 125 x 125mm	
Installation	Recessed		
Voltage	220-240Vac		

Performance			
Power	9 W	12 W	15 W
Exit Lumens (lm)	810 lm	1080 lm	1350 lm
Efficiency	90 lm/cW		
Beam Angle	90°		
Colour Rendering	Ra>80/90		
Colour Temperature	3000K / 4000K / 5000K		
Dimming	1-10V / DALI		
Operating Temp.	-40°C to 50°C		
Warranty	5 Years		

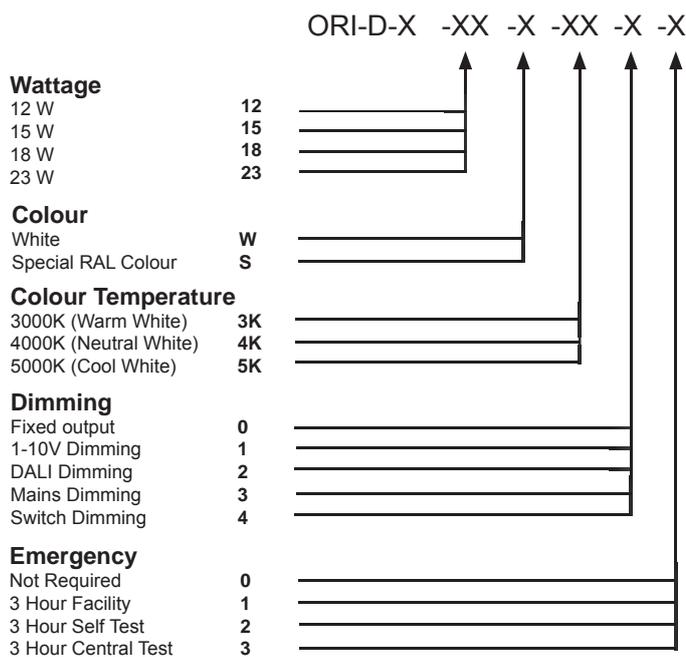
# ORION DEEP MAX

- Instant on - no flicker
- Environmentally Friendly - No mercury or lead enters the environment
- No RF and electronic magnetic interference
- Over 50,000 hours life span



The Atlas Orion Deep Max is a 180 x 180mm low void downlight which uses a Samsung LED engine. The Orion Deep Max has a 10mm recessed bezel feature for anti-glare cutoff. The heatsink is constructed from die-cast aluminium complete with aluminium bezel and reflector. The heatsink features spring arms which allows the downlight to be installed with ease.

The Orion Deep Max is available in outputs from 1,080lm, 1,350lm, 1,620lm and 2,070lm outputs.



## Example of Code:

ORI-D-X-12-W-3K-0-0

Wattage:	12 W
Colour:	White
Colour Temp.:	3000K
Dimming:	Fixed output
Emergency:	Not Required



Orion Deep Max				
Power	12 W	15 W	18 W	23 W
Dimensions	180 x 180 x 41mm		Cutout: 160 x 160mm	
Installation	Recessed			
Voltage	220-240Vac			

Performance				
Power	12 W	15 W	18 W	23 W
Exit Lumens (lm)	1,080 lm	1,350 lm	1,620 lm	2,070
Efficiency	90 lm/cW			
Beam Angle	90°			
Colour Rendering	Ra>80/90			
Colour Temperature	3000K / 4000K / 5000K			
Dimming	1-10V / DALI			
Operating Temp.	-40°C to 50°C			
Warranty	5 Years			

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