

# Magna Spotlight

- 18 high brightness OSRAM LEDs
- Over 86lm/W system efficacy
- IP67 standard and IP68 optional
- Single, 3 and 4 colour options
- Wide range of beam angles
- Local/remote driver for flexibility
- Anti-flicker LED control
- Fixture thermal feedback



## Product Overview

The Magna LED spotlight is manufactured in the UK using only the highest quality components such as the high thermal conductivity aluminium heatsink and advanced nano-diff high efficiency diffuser to provide a powerful LED projector spotlight suitable for both interior or exterior lighting applications at up to 40W of power. The Magna LED spotlight has been designed specifically for use in shopping centres, large halls, churches, security, restaurants, TV studios and theatre applications through its sleek, elegant, compact design.

The Magna is supplied as standard in an IP67 version with a universal bracket/yoke or in an IP68 model suitable for underwater applications. Using the most advanced in-house thermal modelling techniques, the Magna has been designed to operate between 20W to a maximum of 40W of LED power in ambient temperatures up to 70°C, with the use of thermal feedback to ensure the highest reliability of the LED fixture.

Available in a range of colours using the highest flux bins available from the OSRAM OSOLON and OSOLON Square LED range, the Magna offers a choice of White (2700K, 3000K, 4000K and 5000K), RGB, RGBA/RGBW, Red, Green, Blue in beam angles of 7, 28, 52, 10x52, 80 and 150 degrees.

The Magna can be used with the complete range of iDrive® LED drivers, enabling full customisation of a project using DMX/RDM, DALI, 1-10V, mains dimmable and ethernet/TCP/IP dimming protocols using the driver attached close to the fixture or remotely up to 300m away (using the appropriate iDrive® driver). The iDrive® range of LED drivers also provides special anti-flicker driver technology to ensure compatibility with TV and film applications and provides high quality healthy lighting.

Two special models are available offering high power infra-red and ultra-violet specifically designed for security applications and black lighting in studios/theatres.

## Technical Specifications

Max power consumption: 40W  
 Ingress Protection: IP67 or IP68  
 Light Source: OSOLON and OSOLON Square LEDs  
 Luminous flux: 3156lm (@4000K CCT)  
 System efficacy: 86.23lm/W (@4000K CCT)  
 LED Life Expectancy: 50,000 hours  
 Lumen Maintenance: 70% @ 50,000 hours  
 Beam Angles: See product selection table  
 Construction: Aluminium, Stainless steel and acrylic  
 Fixing Method: Aluminium stirrup/bracket  
 Product Weight: 3kg  
 Operating Ambient Temperature range: -20C to 70C with thermal feedback  
 Cooling System: Passive convection  
 Dimming control: High efficiency DC using DMX/RDM, DALI, 1-10V, TCP/IP  
 Built-in colour engine (with iDrive® RDM drivers)

## Recommended LED Drivers

Mains Dimmable : iDrive® MultiDIM model IDM040572  
 DALI/1-10V : iDrive® DALI+ model IDD2040570700  
 DMX/RDM:

- 3 Channel: iDrive® UL 58W
- 3 or 4 Channel: iDrive® Quad 120W
- 3 or 4 Channel: iDrive® Force 12 240W
- 3 or 4 Channel: iDrive® Force 24 672W

All DMX/RDM drivers are able to offer LED fixture thermal feedback for extra fixture protection.

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# Magna Spotlight

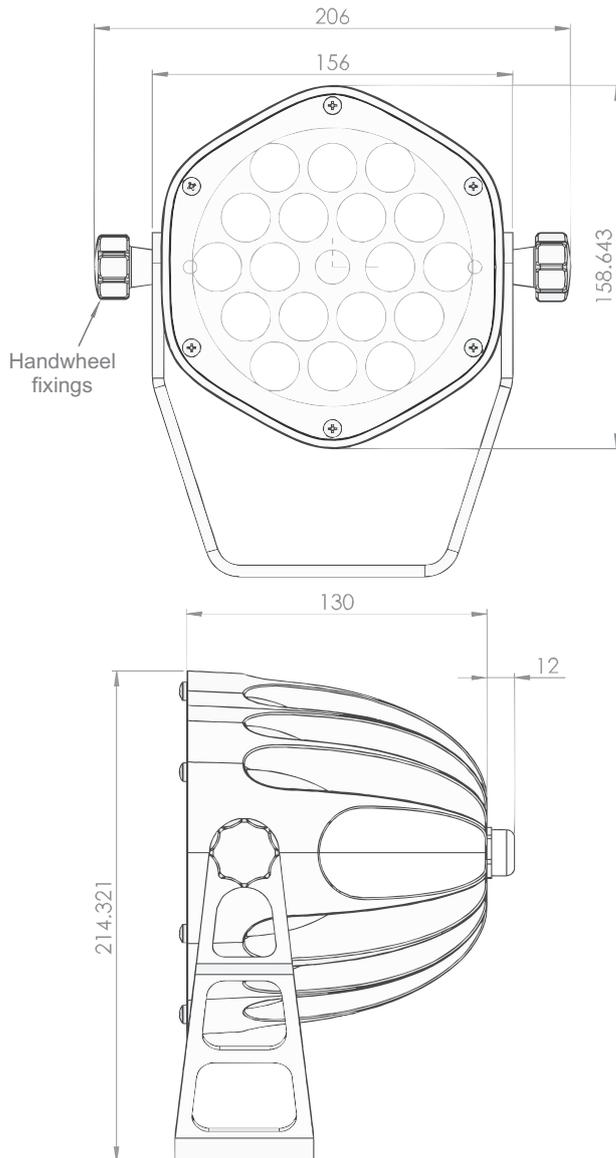
## Product Selection Table

<b>A</b>	Product Family	MA = Magna							
<b>B</b>	Family Variant	01 = Handwheel fixings (Indoor only)		02 = Tamper resistant fixings					
<b>C</b>	IP Rating	67 = IP67	68 = IP68						
<b>D</b>	Driver Type	F = Fixture only	1 = Non-dimmable	2 = Dimmable	3 = DALI+	4 = 1-10V			
<b>E</b>	LED Colour	3000 = 3000K	4000 = 4000K	5650 = 5650K	RGBX = RGB	RGBA = Red, Green, Blue, Amber	RGBW = Red, Green, Blue, White	UVXX = Ultra-violet	IRXX = Infra-red
<b>F</b>	Fixture Colour	S = Silver	B = Black						
<b>G</b>	Diffuser Type	C = Clear	F = Frosted						
<b>H</b>	Beam Angle	007 = 7°	028 = 28°	047 = 47°	521 = 52x10° (oval)	080 = 70°	120 = 109°	150 = 140°	
<b>J</b>	Number of LED's	018 = 18 LED							
<b>K</b>	Input Current	0350 = 350mA (19W)		0500 = 500mA (28W)		0650 = 650mA (36W)			

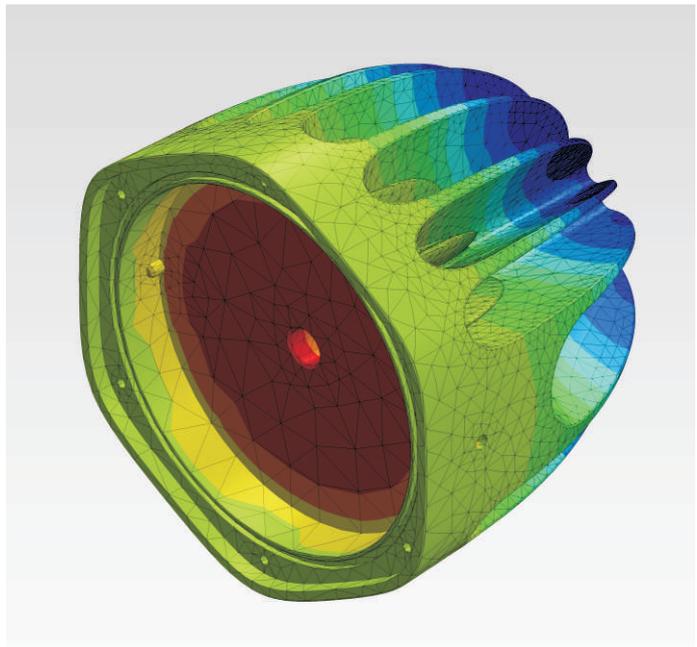
Order Coding **AABBCCD/EEEEFGHHH/JJJ/KKKK** - see table for details on coding (add suffix '-EM' for emergency models)

Contact [sales@serenitylighting.co.uk](mailto:sales@serenitylighting.co.uk) for details of other LED options, driver options, channel configurations and fixture options. Custom models considered on request.

## Product Dimensions



## Advanced design



The entire fixture is designed in-house in the UK. The design builds on years of knowledge and experience in the LED industry to develop world-leading products.

Expertise in thermal analysis and management means the fixture is designed to optimise the lifetime of the electronic components from the very earliest stages of the development cycle to ensure unparalleled performance.

The design cycle seamlessly integrates the thermal management with the complex curved form for superior aesthetic appeal along with effective mechanical design that simply and reliably creates a barrier to the environment to offer years of hassle-free performance.