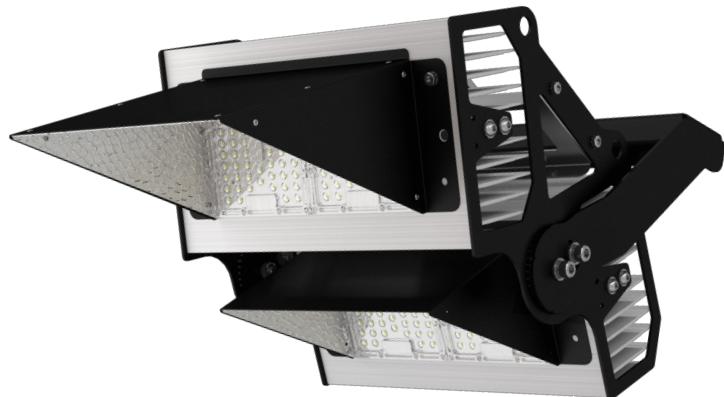


MODUS S

The Modus S Series is built for small to medium-sized sports applications and offers high lumen packages with greatly reduced weight.

The lightweight design minimises the number of floodlights required per mast and the uniquely designed light shields allow the Modus S to have a high level of uniformity across sports areas whilst delivering limited light spill for neighbours and residents. A great solution for both new-build and retrofit projects with features such as remote drivers for flexible installation and a 2 module configuration design to help light optimization of specific applications.

CE LED IP66



Technical data

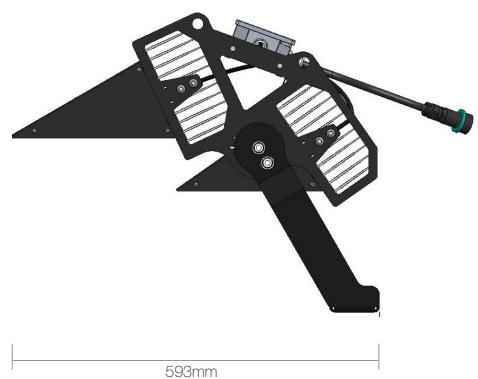
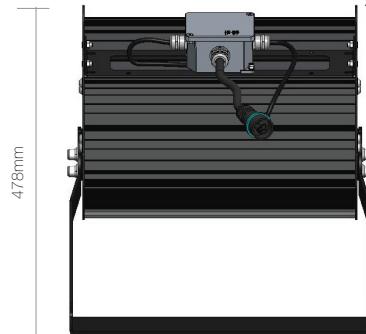
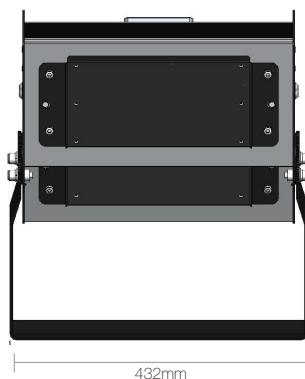
Performance		Protection Level	IP67
Luminaire Output	Up to 140.000 lm	Electronics	
Power Absorption	1180W	Voltage input	200-480 VAC 50-60Hz
Lumen Maintenance [L80 B10]	>60.000h	Active Power F.C.	0.97
Lumen Maintenance [L70 B50]	>100.000h	Surge Protection	10kV line-earth, 6kV line-line
Optoelectronics		Insulation class	IEC Class I
CRI	70 - 80 - 90	Short Circuit Protection	Auto-recovery
Colour Temperature	<ul style="list-style-type: none"> • 3000K Warm White • 4000K Neutral White • 5000K Pure White • 5700K Cool White 	Over Heat Protection	Drops output current
Secondary Optics	weather proof, Anti-yellowing PC refraction matrix	Operation Conditions	
No of LEDs	256	Working temperature	-40°C / +50°C
Luminaire Body		Humidity Range	0% - 94%
Chassis and Bracket	Stainless Steel	Normative reference	
Metal Finish	Powder Coating	EN 60598-1:2008 + A11: 2009 - Luminaires - Part 1: General requirements and tests	
Heatsinks	Anodized Extruded Aluminium (Copper Content <0.1%)	EN 60598-2-5:2003 - Luminaires - Part 2-5: Particular requirements - Floodlights	
Bracket	Angled Reversible bracket, M20 or 2 x M16 Fixing points	EN 62031:2008 + A1: 2013 - LED modules for general lighting - Safety specifications	
Weight	20 Kg	EN 62493:2010 - Assessment of lighting equipment related to human exposure to electromagnetic fields	
Dimensions (L-W-H)	592L x 432W x 478H	EN 60529:1991 + A1:2000 + A2:2013 - Degrees of protection provided by enclosures (IP Code) IEC 60068-2-52 - Environmental test: Salt mist test	
Protection Level	IP66	EN 55015: 2003 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	
Impact Resistance	IK09	EN 61547: 2009 - Equipment for general lighting purposes - EMC immunity requirements	
Windage EPA	0.179 m ²	EN 61000-3-2: 2006 + A1: 2009 + A2: 2009 - Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	
Driver Unit		EN 61000-3-3: 20013 - Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.	
Dimensions (L-W-H)	398mm-230mm-152mm		
Weight	9Kg		



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 Tel +44 207 584 8310 Email info@midstreamlighting.com
www.midstreamlighting.com

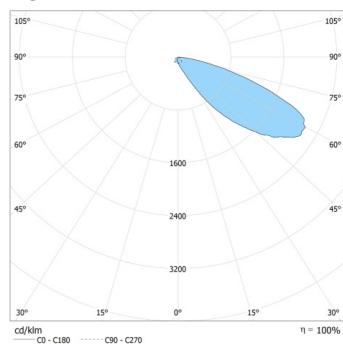


Dimensions

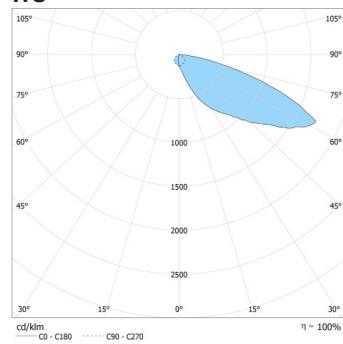


Photometrics

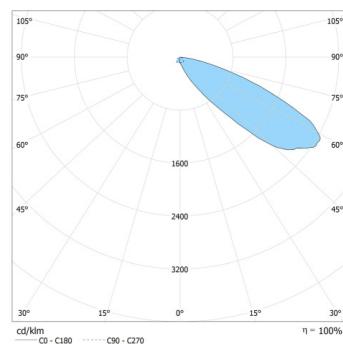
NS



WS



MS



Ordering codes

Product Family	Power	Optic	CCT	CRI	Voltage Input	Control System	Driver	Bracket	Optional
MS	11 (1180W)	NS (Narrow Beam - Spill Control)	A (5000k)	70	EU (200-480 VAC)	10 (0-10v)	C (Driver for Cabinet/ Mast Shaft mounting)	A (Angled Bracket)	0
	09 (999W)	MS (Medium Beam - Spill Control)	B (4000k)	80		DA (DALI)	O (Driver for Outdoor installation)		
		WS (Wide Beam - Spill Control)	C (3000K)	90		DX (DMX)			
					D (5700K)				

Example: MS09WSA70EU10CA