

MODUS 900

Highly efficient LED floodlight designed specifically for sport and large area lighting.

Electronic: LED control gear driving 216 LEDs at 1.5A with multiple photometric distributions. IP67, Class I protection with 10 kV Surge Protection.

Body: recyclable, stainless steel. Optic Enclosure: proprietary PMMA Weather-proof lenses. Fully reversible mounting bracket.

Remote Driver option available.

CE LED IP67 

Technical data

Performance	
Luminaire Output	Up to 117.000lm
Power Absorption	990W
Lumen Maintenance [L80 B10]	119.000h
Lumen Maintenance [L70 B50]	190.000h

Optoelectronics	
CRI	70 - 80 - 90
Colour Temperature	<ul style="list-style-type: none">• 3000K Warm White• 4000K Neutral White• 5000K Pure White• 5700K Cool White
Secondary Optics	Weather proof, Anti-yellowing PMMA refraction matrix
No of LEDs	216

Luminaire Body	
Chassis and Bracket	Stainless Steel
Metal Finish	Powder Coating
Heatsinks	Anodized Extruded Aluminium (Copper Content <0.1%)
Bracket	Angled Reversible bracket, M20 or 2 x M16 Fixing points
Weight	36 kg
Dimensions (L-W-H)	631-393-278mm
Protection Level	IP67
Impact Resistance	IK09
Windage EPA	0.280 m ²



Electronics	
Voltage input	90-305 VAC 50-60Hz
Active Power F.C.	0.95
Surge Protection	15kA, IEEE C62.41.2 Location Category C High
Insulation class	IEC Class I
Short Circuit Protection	Auto-recovery
Over Heat Protection	Drops output current

Operation Conditions	
Working temperature	-40°C / +50°C
Humidity Range	0% - 94%

Normative reference

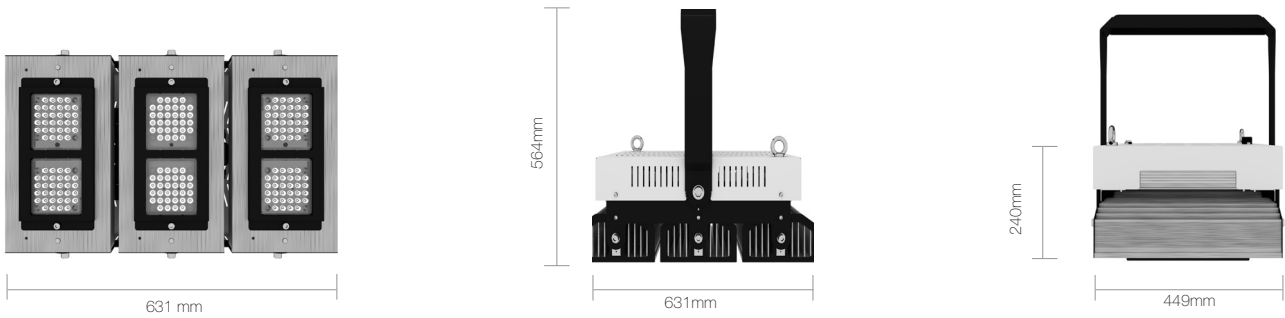
EN 60598-1: 2015 - Luminaires - Part 1: General requirements and tests
EN 60598-2-5: 2015 Luminaires - Part 2-5: Particular requirements - Floodlights
EN 62031: 2008 + A2:2015 - LED modules for general lighting - Safety specifications
EN 60598-2-3: 2003 + A1: 2011 - Luminaires - Part 2-3: Particular requirements - Luminaires for road and street lighting
EN 62493: 2015 Assessment of lighting equipment related to human exposure to electromagnetic fields
EN 60529: 1992 + A2: 2013 - Degrees of protection provided by enclosures (IP Code)
IEC 60068-2-52: 1996 Environmental test - Part 2: Tests - Test Kb - Salt mist cyclic (sodium chloride solutions)
EN 55015: 2013 + A1: 2015 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61547: 2009 - Equipment for general lighting purposes - EMC immunity requirements
EN 61000-3-2: 2014 - Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3: 2013 - 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
EN 61643-11: 2012 - Low-voltage surge protective devices. Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods
IEEE C62.41.2-2002 - Recommended practice on characterization of surges in low-voltage AC power



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Dimensions



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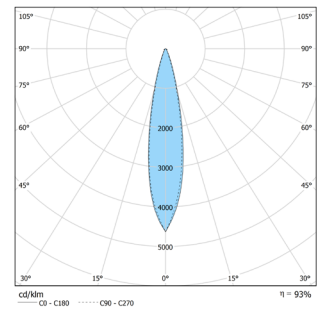
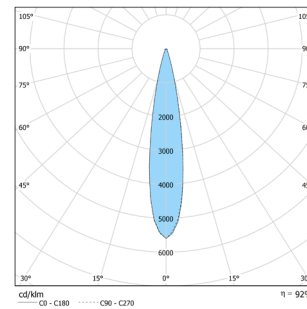
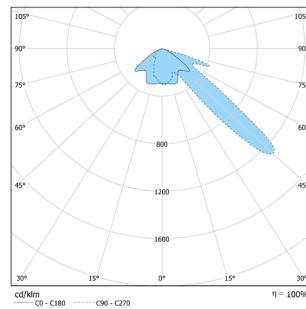
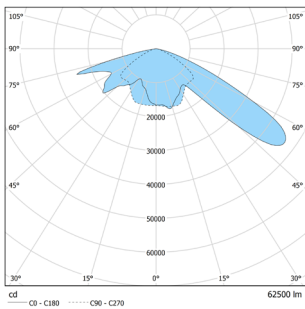
Photometrics

FH Flood light high asymmetry

FV (Asymmetric)

S1 (15° Symmetrical)

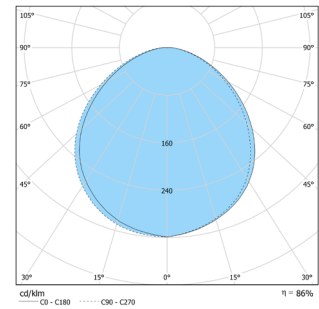
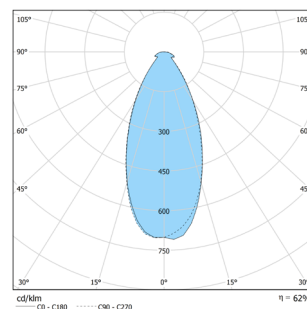
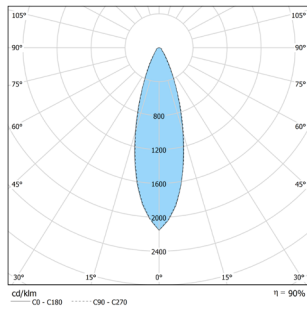
S2 (20° Symmetrical)



S3 (30° Symmetrical)

S4 (40° Symmetrical)

S5 (50° Symmetrical)



Ordering codes

Product Family	Power	Optic	CCT	CRI	Voltage Input	Control System	Body Material	Bracket	Optional	Visor
M (Modus)	09	FH	A (5000k)	70	EU (100-277 VAC)	10 (0-10v)	T (3CR12 Stainless Steel)	C (Angled Bracket)	00	Sx (Visor for S Optics)
		FV	B (4000k)	80		DA (DALI)	M (AISI 316 Stainless Steel)	T (Straight Bracket)		Fx (Visor for F Optics)
		S1	C (3000K)	90				P (Pole Clamping)		00 (No Visor)
		S2	D (5700k)							
		S3								
		S4								
		S5								

Example: M09FHA70EUDATC00FH



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