MODUS 150

Highly efficient, heavy duty LED floodlight designed to replace HID lighting in applications requiring high performance.
Electronic: LED control gear driving 32 LEDs at 1.4A with symmetric and asymmetric distribution. IP67, Class I protection with 10 kV Surge Protection.
Body: recyclable, extruded aluminium and powder-coated stainless steel.
Optic Enclosure: PMMA Weatherproof lenses.
Fully reversible mounting bracket supplied.

CE LED IP67

Technical data

Performance	
Luminaire Output	Up to 16.000lm
Power Absorption	145w
Lumen Maintenance [L80 B10]	119.000h
Lumen Maintenance [L70 B50]	190.000h

Optoelectronics	
CRI	70 - 80 - 90
Colour Temperature	• 3000K Warm White • 4000K Neutral White • 5000K Pure White • 5700K Cool White
Secondary Optics	Weather proof, Anti-yellowing PMMA refraction matrix
No of LEDs	32

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 M14 Fixing points
Weight	6.5 kg
Dimensions (L-W-H)	201-255-170mm
Protection Level	IP67
Impact Resistance	IK09
Windage EPA	0.05 m2

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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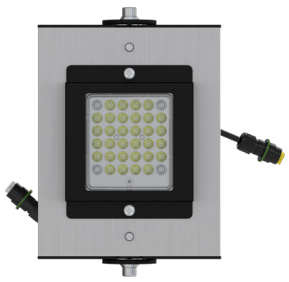
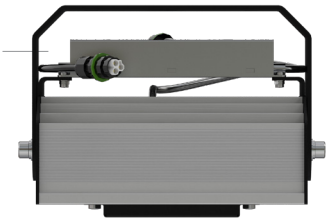
Dimensions

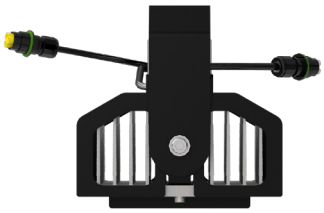
MODUS I 50



201mm



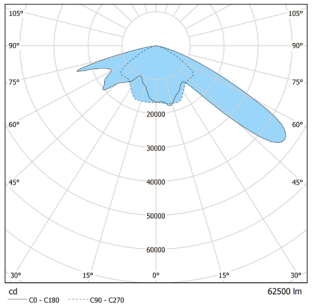
201mm



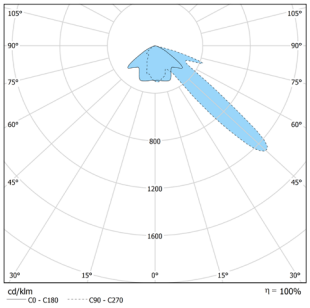
296mm

Photometrics

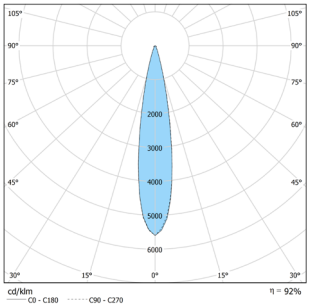
FH Flood light high asymmetry



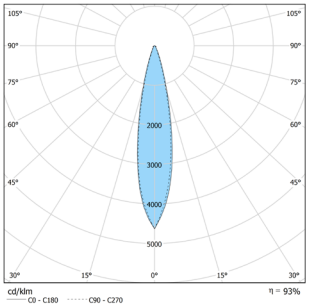
FV (Asymmetric)



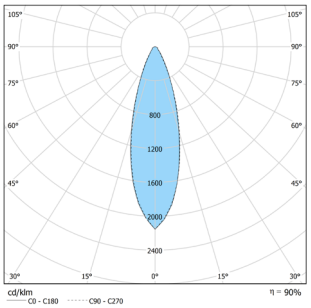
S1 (15° Symmetrical)



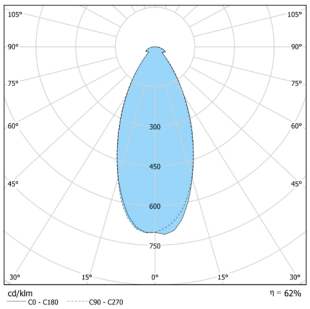
S2 (20° Symmetrical)



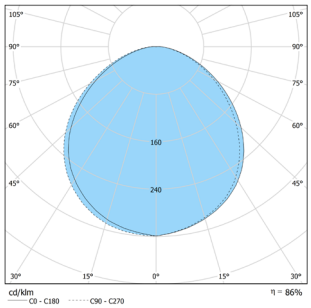
S3 (30° Symmetrical)



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)	01	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: M01FHA70EUDATC00Sx

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