

MASTER MR15



Technical Data Sheet

General information

Product line	Master
Model	15
Driver unit	Integrated / Remote
Controllable	Yes

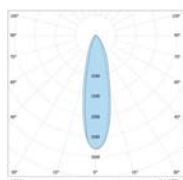
Performance

Lumen output	up to 245'000 lm
Power absorption	up to 1680 W
Lumen maintenance [L90B10]	90'700 h
Lumen maintenance [L70B50]	> 140'000 h
Luminaire efficacy	146 lm/W

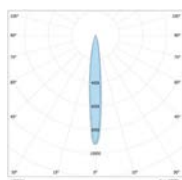
Optoelectronics

CRI available	70 - 80 - 90
Colour temperature available	3000 - 4000 - 5000 - 5700 K
Optics available	

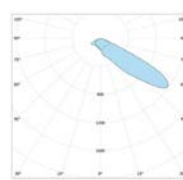
NS



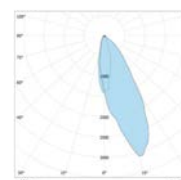
S1



AS



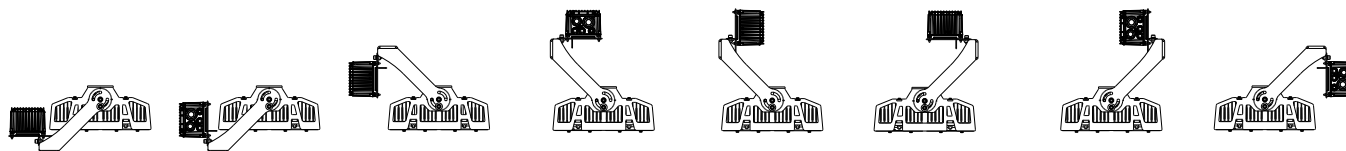
GA



Secondary optics	Anti-yellowing polycarbonate refraction matrix
Optics enclosure	4 mm tempered glass screen
N° of LEDs	384
Driving current	up to 1500 mA

Luminaire body

Body and bracket	Stainless steel 3Cr12 (Optional AISI 316)
Metalwork finishing	Anti-corrosive primer and powder coating
Metalwork colour	Black
Heatsinks	Anodized extruded aluminium alloy AL6060
Mounting options	Angled reversible bracket - 1x M20 and 2x M16 fixing points available



LED module weight	27.4 Kg - body and fitting bracket
IP Protection level	IP66 - protected against powerful waterjets
Impact resistance	IK09 - 10 J impact
Luminaire body dimensions (L-W-H)	572 x 427x 188 mm
Windage (EPA)	0.268 m²

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Driver unit

Driver unit	Remote - can be installed on bracket or at mast base
n° of units	1
Driver unit weight	6.9 Kg (+1.5 Kg with driver bracket)
Dimensions (L-W-H)	500 x 150 x 120 mm
Windage (EPA)	0.119 m²
Protection level	IP66 - protected against powerful waterjets
Maximum distance from module	200 m (using 1.5 mm² section cable)
Control systems available	DALI-2, DMX

Driver electronics

Input voltage options	220V-440 V ac 50-60Hz
Power factor	0.95
Driver efficiency*	95.5%
Surge protection	10kV line-earth, 10kV line-line
Insulation class	IEC Class I
Short circuit protection	Auto-recovery
Overheating protection	Drops output current
Inrush current**	16.1 A
Max n° of drivers under 16A MCB type C***	1
Total harmonic distortion (THD)	20% (at 200-450 Vac and 80%-100% load)

*typical at 400 Vac Input, full load

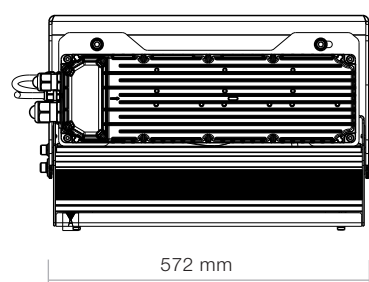
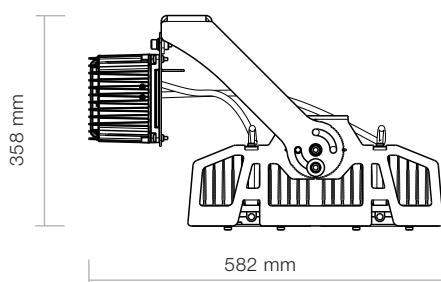
**25°C cold start, duration=0.25 ms, at 400 V input, full load

***at 400 Vac input

Operating conditions

Working temperature	-40°C / +50°C
Humidity range	5% - 95%

Dimensions



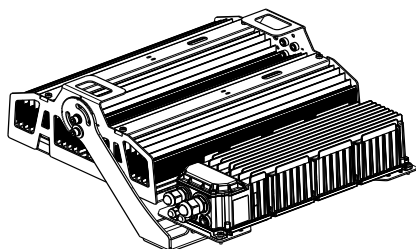
All the nominal values on this data sheet have a tolerance interval of +/- 5%

Information may be subjected to change without notice

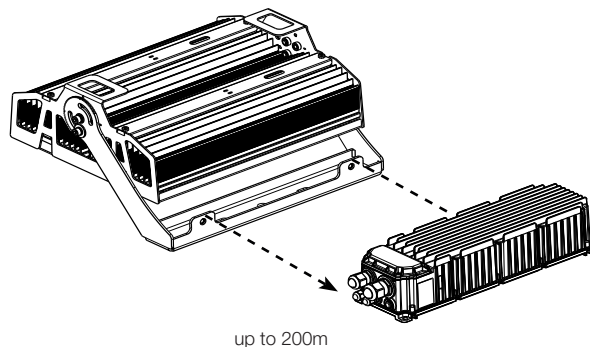
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Options - Driver installation

Driver can be mounted on luminaire bracket



The driver can be stored elsewhere (up to 200m away using a 1.5mm² section cable). Please note the cable is not supplied. For optimal longevity, we advise installing the driver in a mast or cabinet.



Ordering codes - Select one option from each column

Product Family	Model	Optic	CCT	CRI	Body Materials	Driver Layout	Voltage Input	Control System	Current Set-Up	Internal use only
✓ MR (Master)	✓ 15	● AS (Asymmetric)	✓ A (5000K)	● 70	✓ V (3CR12 stainless steel)	✓ S (bracket mounting hardware)	✓ 2 (200-480 V ac 50-60 Hz)	● D (DALI-2)	● N (2 channel driver @ 3.0A)	✓ 2
		● NS (Narrow Beam)	● B (4000K)	✓ 80	● S (AISI 316 grade stainless steel)			✓ X (DMX)	✓ P (2 channel driver @ 2.8A)	
		✓ S1 (Ultra Narrow)	● C (3000K)	● 90					● Q (2 channel driver @ 2.9A)	
		● GA	● D (5700K)							

Example code from options above: MR-15-S1-A-80-V-S-2-X-P-2

Normative Reference

Safety Testing - IEC 60598-2-5:2016, IEC 60598-1:2020
 Electromagnetic fields (EMF) - EN 62493
 Electromagnetic Compatibility (EMC) - EN 55015, EN 61547 and EN 61000-3
 Photobiological Safety - IEC/EN 62471, IEC/TR 62778
 Corrosion Resistance - IEC 60068-2-52
 IP Rating - EN 60529
 IK Rating - EN 62262
 Performance - EN 13032-4:2015, CIE S-025:2015, LM79