

MB-4 RGBW

Compact 300W High-Performance RGBW IP66 floodlight

SPECIFICATION SHEET



The MB-4 is our smallest flood light, but is still produces 50.000 lumens. With an effect of 300W and an impressive efficiency of 152 lumens per watt, all integrated into a compact and formidable flood light. Rated IP66 for exceptional durability, the MB-4 features wireless DMX and RDM capabilities, along with a 120-degree beam angle. It includes 2 RGB pixels and 6 white pixels. Additionally, the MB-4 incorporates our innovative DVT Light technologies, enhancing its performance and versatility.

KEY FEATURES

- 100% Flicker free - no need for frequency adjustment
- No coil whining
- Low-noise cooling
- 720 RGB + 120 White LEDs
- 120° beam angle
- IP66 rated for outdoor use
- RDM enabled
- Wireless DMX capability
- Automatic temperature control
- CRI >72
- Durable aluminum housing
- C5-M corrosion resistance

TECHNICAL SPECIFICATIONS

CONTROL AND PROGRAMMING

Intensity:	0 - 100%
Control Protocol:	DMX 512, Wireless DMX (CRMX), RDM enabled
DMX Modes:	Multiple (refer to latest DMX charts)
Wireless DMX:	Built-in CRMX system
Control Interface:	OLED display with control panel (UP, DOWN, ESC, ENTER buttons)
Control Interface POI:	No, only through RDM
DMX connection:	5-pin XLR in and out
DMX connection POI:	5mtr (197 inch.) cable with bare ends
Number of segments:	6 white + 2 RGB individually controllable segments
Stand-alone control:	Yes
Control resolution:	16-bit RGBW
Dimmer resolution:	16-bit
DMX channels:	7/12/15/37
DMX compliance:	USITT DMX 512A
RDM compliance:	ANSI/ESTA E1.20
Firmware update:	Serial upload via DMX

PHOTOMETRIC

LED Type:	720 RGB + 120 White LEDs
Luminous Flux:	44.648 lm
Red:	2.119 lm
Green:	5.485 lm
Blue:	979 lm
Efficiency:	152 lm/W
Color Rendering Index (CRI):	>72
CCT:	2000 - 10.000K
Beam Angle:	120°
Color:	Full RGBW spectrum
LED lifetime:	50.000 hours (Minimum)

THERMAL

Operating Temperature:	-40° C to +50° C
Maximum Ambient Temperature (Ta max.):	50° C
Cooling System:	Active (cooling fans)
Minimum distance to normal flammable materials:	0.5 mtr (19.68 inch.)
Minimum distance to illuminated surface:	0.5 mtr (19.68 inch.)
Automatic temperature control (Safety feature):	Yes

ELECTRICAL SPECIFICATIONS

Power:	300W maximum power consumption
Input Voltage:	100 - 240 VAC, 47 - 63 Hz
Power Factor:	>0.99 @100V - >0.95 @230V
Inrush Current:	15A/100V - 30A/230V
Total Harmonic Distortion (THD):	(To be determined - Contact manufacturer for details)
Power connection:	True1 type in and out
Power connection POI:	5mtr (197 inch.) cable with bare ends

CONSTRUCTION

Protection rating:	IP66
Impact resistance:	IK07
Corrosion Resistance:	C5-M
Housing Material:	Plastic, aluminum, rubber, steel
Housing Color:	Black (RAL9004) / White (RAL9010)
Lens material:	Tempered glass

PHYSICAL DIMENSIONS

Depth:	17 cm (6.71 inch.)
Width:	42.3 cm (16.65 inch.)
Height:	28.6cm (11.26 inch.)
Weight:	11 kg (24.3 Lbs.)
Tilt Range:	0° - + / - 120°

INSTALLATION

Orientation:	Any
Mounting Std.:	2 x quarter-turn locking points for omega brackets
Mounting POI:	3 x 12mm holes for fixed installation
Tilt fixation POI:	2 x Stainless steel M8 bolt + washer

APPROVALS

ETL:	UL Std. 1573 (Pending)
CE:	Yes
RoHS:	Yes

ENVIRONMENTAL

RoHS:	Compliant
REACH:	Compliant
WEEE:	Compliant

INCLUDED ITEMS

Omega brackets with 1/4 turn fasteners:	2 pcs (Not included with POI Version)
Safety information leaflet:	1 pcs

WARRANTY

Fixture Standard:	2 years
Fixture POI:	5 years

ORDERING INFORMATION

MB-4 RGBW Black:	50200002
MB-4 RGBW Custom color:	50200004
MB-4 RGBW POI Black:	50201002
MB-4 RGBW POI White:	50201004
MB-4 RGBW POI Custom color:	50201006

ACCESSORIES

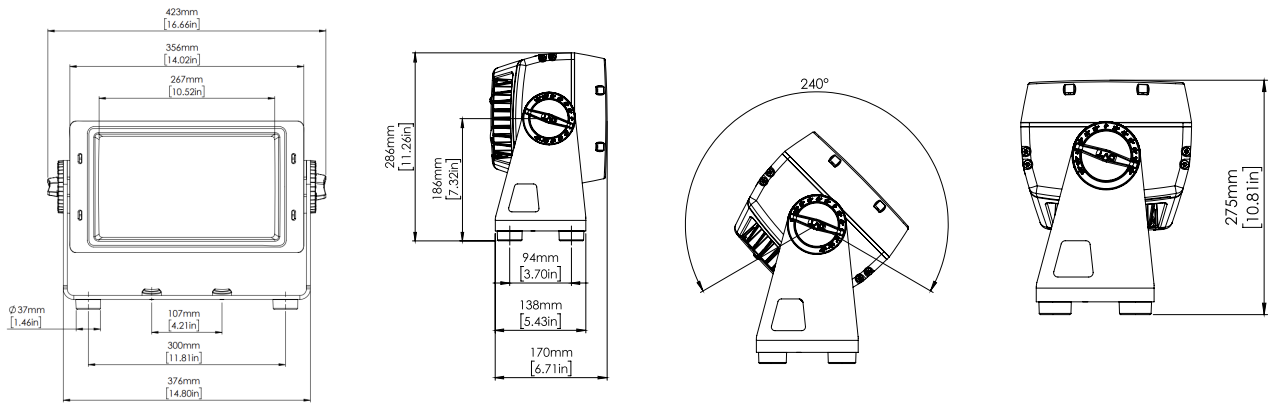
Uploader Dongle

Note: This product is designed and manufactured in compliance with UL Standard 1573. (Pending)
For detailed compliance information, please refer to the full product manual or contact the manufacturer.

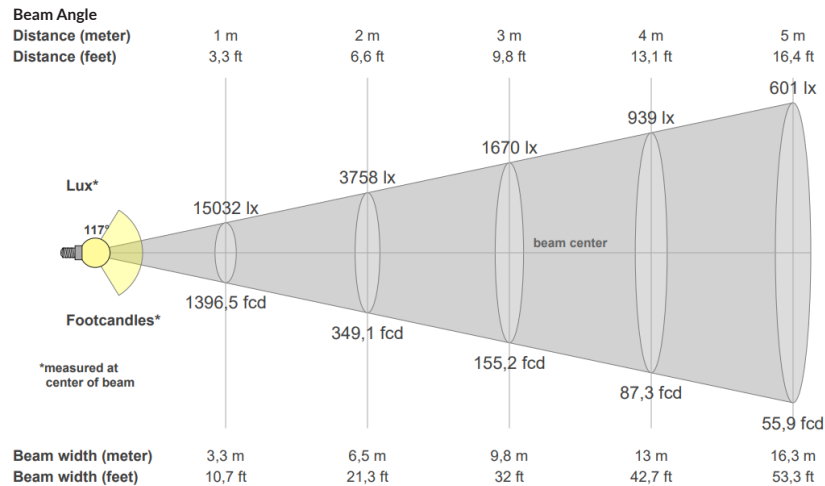
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PHOTOMETRIC



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