MB-8 RGBW

600W High-Performance RGBW floodlight designed for outdoor use

The MB-8 produces 100,000 lumens, making it our most powerful flood light to date. With a robust output of 600W and an impressive efficacy of 154 lumens per watt. It is rated IP66 for exceptional durability. It features wireless DMX and RDM capabilities, along with a 120-degree beam angle. The MB-8 includes 4 RGB pixels and 12 white pixels, all integrated into a single, formidable flood light. Additionally, the MB-8 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
- 1440 RGB + 240 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

DVT LIGHT

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:	12 white + 4 RGB individually controllable segments
Stand-alone control:	Yes
Control resolution:	16-bit RGBW
Dimmer resolution:	16-bit
DMX channels:	7/12/27/61
DMX compliance:	USITT DMX 512A
RDM compliance:	ANSI/ESTA E1.20
Firmware update:	Serial upload via DMX

PHOTOMETRIC

LED Type:	1440 RGB + 240 White LEDs
Luminous Flux:	90.833 lm
Red:	4.723 lm
Green:	10.933 lm
Blue:	2.068 lm
Efficiency:	154 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:	600W maximum power consumption
Input Voltage:	100 - 240 VAC, 47 - 63 Hz
Power Factor:	>0.99 @100V - >0.95 @230V
Inrush Current:	60A / 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 resitance:	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:	63.6 cm (25.05 inch.)
Height:	28.6cm (11.26 inch.)
Weight:	17 kg (37.5 Lbs.)
Tilt Range:	0° - + / - 120°

INSTALLATION

Orientation:	Any
Mounting Std.:	2 x quarter-turn locking points for omega brackets
Mounting POI:	5 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

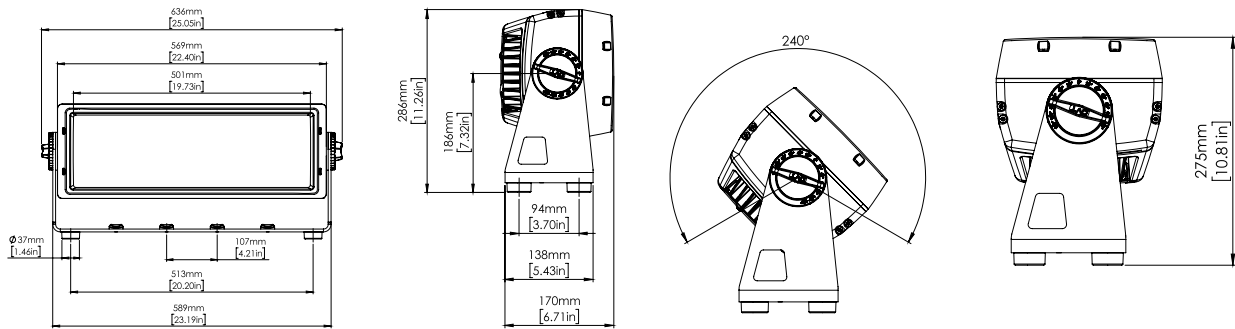|	
MB-8 RGBW Black:	50100002
MB-8 RGBW Custom color:	50100004
MB-8 RGBW POI Black:	50101002
MB-8 RGBW POI White:	50101004
MB-8 POI RGBW Custom color:	50101006

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

Beam Angle					
Distance (meter)	1 m	2 m	3 m	4 m	5 m
Distance (feet)	3,3 ft	6,6 ft	9,8 ft	13,1 ft	16,4 ft

116°

Lux*
30633 lx — 7658 lx — 3404 lx — 1915 lx — 1225 lx

beam center

Footcandles*
2845,9 fcd — 711,5 fcd — 316,2 fcd — 177,9 fcd — 113,8 fcd

*measured at center of beam

Beam width (meter)	3,2 m	6,5 m	9,7 m	12,9 m	16,2 m
Beam width (feet)	10,6 ft	21,2 ft	31,8 ft	42,4 ft	53 ft

DVT LIGHT