

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

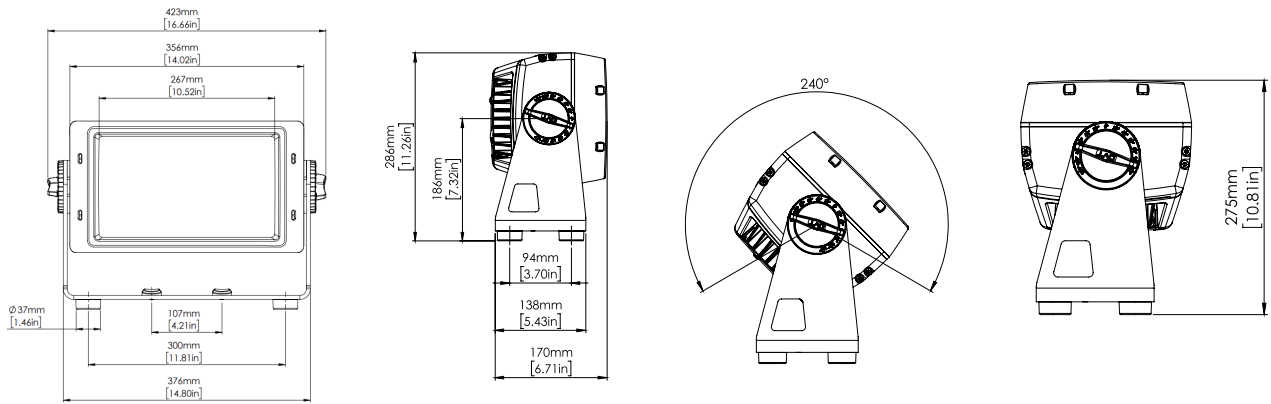
Uploader Dongle

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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