Exterior Projection 500 MG

The Exterior™ Projection 500 is a powerful fixture for integrating textures, patterns and graphics in outdoor lighting designs.
The fixture can be used for bright and dynamic logo projection as well as precision framing.

Using advanced LED technology, it stands out for its energy efficiency, compact size and unlimited creative opportunities.

Very powerful 230 Watt / 6500 Lumen LED image projection

Fully weatherized for trouble free/minimal maintenance use in permanent outdoor installations

Feature packed which allows for a lot of creativity in terms of lighting effects

GALLERY

FEATURES

- Outstandingly bright 6500 lumens output with 4 beam angles from narrow to wide
- Powerful close-range and long-range projection
- Flat-field, high-contrast image projection based on high-power LED engine
- 4 layers of versatile dynamic effects (colors, gobo projection, gobo animation, prisms/frost)
- Crisp image projection
- Rugged IP66-rated housing
- Minimal maintenance – low total cost of ownership

TECHNICAL SPECIFICATIONS

Physical
Length: 415 mm (16.4 in.)
Width: 293 mm (11.6 in.)
Height: 444 mm (17.5 in.)
Weight: 15 kg (33.1 lbs.)
All figures include mounting yoke

Dynamic Effects
Color wheel: 8 interchangeable colors + open
Gobo wheel: 6 rotating gobos plus open, indexing, variable rotation
Gobo animation: Variable speed linear animation effect
Prism: Prism wheel with 2 interchangeable prisms, prism rotation and indexing
Frost (wash effect): Motorized variable
Focus: Motorized, variable 3 m (9.8 ft.) to infinity
Shutter: Strobe and pulse effects, instant open and blackout
Dimming: Electronic, constantly variable 0-100%, 16-bit control

Control and Programming
Control options: DMX, RDM, standalone
DMX channels: 13
Configuration, adressing and status: Onboard control panel with OLED display
Control resolution: 8-bit DMX control of each color
DMX compliance: USITT DMX512-A
RDM compliance: ANSI/ESTA E1.20

Optics
Light source: 230 W white light LED engine
CRI (Color Rendering Index): 72
Color temperature, EU models: TBA
Color temperature, US models: TBA
LED lifetime: 50 000 hours (to >70% luminous output)*

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**Figure obtained under manufacturer's test conditions*

Photometric Data
Cut-off angle: 10°, 20°, 35° or 46° (depending on model ordered)
Luminous output: Up to 6500 lumens

Construction
Housing: Cast aluminum
Finish: Hard anodized, metallic grey lacquered
Front glass: 5 mm (0.2 in.) anti-reflection coated tempered glass
Ingress protection: IP66
Impact resistance: IK08 (with control panel display cover plate installed)
EPA (Effective Projected Area): 0.15 m2
RoHS compliant

Gobos
Suitable material: Borosilicate glass, coatings heat-resistant to 450°C (842° F)
Gobo diameter: 30.0 mm +0/-0.3 mm (1.2 in. +0/-0.02 in.)
Maximum image diameter: 23 mm (0.91 in.)
Gobo thickness, gobos 1 - 4: 1.1 mm ±0.1 mm (0.045 ±0.004 in.)
Gobo thickness, gobo 5: 2.5 mm ±0.3 mm (0.10in. ±0.012 in.)
Gobo thickness, gobo 6: 3.0 mm ±0.3 mm (0.12in. ± 0.012 in.)

Installation
Orientation: Any (sides must be kept vertical)
Mounting: Adjustable yoke
Minimum distance to illuminated surfaces: 0.5 m (20 in.)
Location: Suitable for wet locations. Do not immerse in water.

Connections
Power cable entry: IP68 cable gland
Power connection: 1.8 m (5.9 ft.) cable tail with bare ends
Data cable entry: IP68 cable gland
Data connection: 1.8 m (5.9 ft.) combined input + output cable tail with bare ends

Electrical
AC power: 100-240/277 V nominal, 50/60 Hz
Power supply: Auto-ranging electronic switch-mode
Typical half-cycle RMS inrush current: 8.4 A
Idle power (zero intensity, no effects applied): 32 W, 0.3 A

Typical Power and Current
110 V, 60 Hz: 320 W, 2.9 A, PF 0.977
230 V, 50 Hz: 310 W, 1.4 A, PF 0.971
277 V, 60 Hz: 305 W, 1.2 A, PF 0.950
Figures are typical, not maximum. Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

Thermal
Cooling: Convection, internal forced air
Maximum ambient temperature (Ta max.): 45° C (113° F) *
Minimum ambient temperature (Ta min.): -30° C (-22° F)**
**Above this temperature, the fixture regulates output to protect from overheating.*
***Power must remain applied at ambient temperatures below 0° C (32° F).*

Approvals
EU safety: EN 60598-2-1, EN 60598-2-5 (EN 60598-1), EN 62471, EN 62493
EU EMC: EN 55015, EN 55032, EN 55103-2, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61547
US safety (pending): ANSI/UL 1598
US EMC: CRF 47 Part 15 Class A
Canadian safety (pending): CSA C22.2 No 250.0
Australia/NZ: RCM

Related Items
Martin™ RDM 5.5 Splitter: P/N 90758150

Ordering Information

EU models
Exterior Projection 500 MG, Narrow, EU: P/N 90506500
Exterior Projection 500 MG, Medium, EU: P/N 90506505
Exterior Projection 500 MG, Wide, EU: P/N 90506510
Exterior Projection 500 MG, Very Wide, EU: P/N 90506535

US models
Exterior Projection 500 MG, Narrow, US: P/N 90506515
Exterior Projection 500 MG, Medium, US: P/N 90506520
Exterior Projection 500 MG, Wide, US: P/N 90506525
Exterior Projection 500 MG, Very Wide, US: P/N 90506530

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