

# Exterior Projection 500

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 offers outstanding energy efficiency, compact size and unlimited creative possibilities.

Flat-field, high-contrast image projection

Fully weatherized for trouble-free use with minimal maintenance in outdoor installations

Packed with features, allowing huge creativity in setting up exciting lighting effects



## GALLERY



## FEATURES

- Up to 6100 lumens output with 4 beam angles variants 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: 17.5 kg (38.6 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, addressing 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

LED manufacturer: Prolight Opto

CRI (Color Rendering Index): 72

Color temperature, EU models: 6700 K

Color temperature, US models: 7100 K

LED lifetime: 30 000 hours (to >70% luminous output)\*

*\*Figure obtained under manufacturer's test conditions*

#### Photometric Data

Luminous output: Up to 6100 lumens depending on beam angle variant

#### Cut-off angle

Narrow: 12°

Medium: 22°

Wide: 36°

Very Wide: 50°

#### 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

Corrosion resistance: C5-M (very high corrosivity / marine, ISO 12944)

Impact resistance: IK08 (with control panel display cover plate installed)

EPA (Effective Projected Area): 0.15 m<sup>2</sup>

RoHS compliant

#### Gobos

Suitable material: Borosilicate glass, coatings heat-resistant to 450°C (842° F)

Alternative material: Aluminum 1060, paint on front lens side, 450° C (842° F) HT paint

Gobo diameter: 30.0 mm +0/-0.3 mm (1.2 in. +0/-0.02 in.)

Maximum image diameter: 23 mm (0.91 in.)

Glass gobo thickness, minimum: 1.1 mm ±0.1 mm (0.045 ±0.004 in.)

Glass gobo thickness, maximum: 3.0 mm ±0.3 mm (0.12in. ± 0.012 in.)

Aluminum gobo thickness: 0.5 mm ± 0.02 mm (0.020 in. ± 0.001 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: ANSI/UL 1598

US EMC: CFR 47 Part 15 Class A

Canadian safety: CSA C22.2 No 250.0

Australia/NZ: RCM

#### Accessories

Glare Shield, Exterior Projection 500, aluminum: P/N 91611767

Projection Setup Gobo: P/N 91616068

#### Related Items

Martin™ RDM 5.5 Splitter: P/N 90758150

#### Spare Parts

Silica gel desiccant bag in sealed foil pack: P/N 37220000

Goboholder with magnet incl. washer, short spring & long spring: P/N 50481990

Goboholder without magnet incl. washer, short spring & long spring: P/N 50481992

#### Ordering Information

##### EU models

Exterior Projection 500, Narrow, EU, Aluminum: P/N 90506500

Exterior Projection 500, Medium, EU, Aluminum: P/N 90506505

Exterior Projection 500, Wide, EU, Aluminum: P/N 90506510

Exterior Projection 500, Very Wide, EU, Aluminum: P/N 90506535

Exterior Projection 500, Narrow, EU, White: P/N 90506540

Exterior Projection 500, Medium, EU, White: P/N 90506545

Exterior Projection 500, Wide, EU, White: P/N 90506550

Exterior Projection 500, Very Wide, EU, White: P/N 90506555

##### US models

Exterior Projection 500, Narrow, US, Aluminum: P/N 90506515

Exterior Projection 500, Medium, US, Aluminum: P/N 90506520

Exterior Projection 500, Wide, US, Aluminum: P/N 90506525

Exterior Projection 500, Very Wide, US, Aluminum: P/N 90506530

