



Exterior Projection 1000

The Exterior™ Projection 1000 is an unparalleled, powerful tool for permanent outdoor installations to integrate textures, patterns and graphics for limitless creative exterior lighting designs.

Sporting high impact and low maintenance, this advanced, IP66-rated LED projector offers sharp image quality, dynamic features and great reach over huge distances.

Flat-field, high-contrast image projection with wide zoom range

Fully weatherized with low maintenance and running costs

Full CMY color mixing for maximum creativity

GALLERY



FEATURES

- Flat field, high contrast image projection based on high power LED engine
- 0-100% electronic dimming
- Full CMY color mixing + additional color wheel with 7 interchangeable colors
- 7 gobo slots for projecting graphic images (gobos included)
- Animation system for creating animated lighting effects (horizontal and vertical)
- Zoom range from 10° - 43° for exact projection on desired surface
- Variable frost for creating morphing effects and hybrid function as wash light
- 2 rotating prisms for creating abstract multi patterns
- Intuitive setup, configuration and stand-alone programming via graphical OLED display
- RDM and DMX control
- Fully weatherized IP66 fixture for permanent outdoor installation
- Fully convection cooling using heat pipes technology

TECHNICAL SPECIFICATIONS

Physical

Length: 702 mm (27.7 in.)

Width: 417 mm (16.5 in.)

Height: 618 mm (24.4 in.)

Weight: 50 kg (110 lbs.)

All figures include mounting yoke

Dynamic Effects

Color mixing: CMY, independently variable 0 - 100%

Color wheel: 7 interchangeable colors + open

Gobo wheel: 7 rotating gobos plus open, indexing, variable rotation

Gobo animation wheel: Indexing, continuous rotation with variable angle, speed and direction

Prism: Prism wheel with 2 interchangeable prisms, prism rotation and indexing

Frost (wash effect): Motorized, variable

Zoom: 10° - 43° (cut-off angles)

Focus: Motorized, variable 3 m (9.8 ft.) to infinity

Shutter: Electronic, 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: 20

Configuration, addressing and status: Onboard control panel with OLED display or via RDM

8-bit control: CMY, color selection, gobo selection, prism, frost, animation, intensity

16-bit control: Gobo indexing and rotation, zoom and focus

DMX compliance: USITT DMX512-A

RDM compliance: ANSI/ESTA E1.20

Optics

Light source: 440 W white light LED engine

LED manufacturer: Appotronics

CRI (Color Rendering Index): 72

Color temperature: 6500 K (± 250 K)

LED lifetime: 50 000 hours (to >70% luminous output)*

*Figure obtained under manufacturer's test conditions

Photometric Data

Cut-off angle: 10° - 43°

Luminous intensity

At 10° zoom: 11 500 lumens

At 16° zoom: 15000 lumens

At 40° zoom: 16 800 lumens

Construction

Housing: Cast aluminum

Finish: Hard anodized, white or 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): 0.28m²

RoHS compliant

Gobos

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

Gobo diameter: 30.0 mm ± 0.3 mm (1.2 in. ± 0.02 in.)

Maximum image diameter: 26 mm (1.02 in.)

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

Gobo thickness, maximum: 3.0 mm ± 0.3 mm (0.118 in. ± 0.012 in.)*

*Gobos thicker than 2.5 mm require a shorter spring in the goboholder

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: IP66 cable gland

Power connection: 1.8 m (5.9 ft.) cable tail with bare ends

Data cable entry: IP66 cable gland

Data connection: 1.8 m (5.9 ft.) combined input + output cable tail with bare ends

Electrical

AC power: 100-120/200-277 V nominal, 50/60 Hz

Power supply: Auto-ranging electronic switch-mode

Typical half-cycle RMS inrush current: 15.5 A

Idle power (zero intensity, no effects applied): 75 W

Typical Power and Current

120 V, 60 Hz: 645 W, 5.5 A, PF 0.98

230 V, 50 Hz: 635 W, 2.9 A, PF 0.95

277 V, 60 Hz: 635 W, 2.6 A, PF 0.90

Figures are typical, not maximum. Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of $\pm 10\%$.

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.

**For instant wake-up with no warm-up mode, leave power applied constantly in 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

Included Items

Silica gel desiccant bag: P/N 37220000

Two gobo retaining springs

Accessories

Glare Shield, Exterior Projection 1000: P/N 91611768

Projection Setup Gobo, Exterior Projection 1000: P/N 91616075

Related Items

Martin™ RDM 5.5 Splitter: P/N 90758150

Spare Parts

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

Goboholder for EP1000 with magnet incl. washer & short spring: P/N 50482185

Goboholder for EP1000 with magnet incl. washer & long spring: P/N 50482186

Ordering Information

EU models

Exterior Projection 1000, EU, Aluminum: P/N 90512000

Exterior Projection 1000, EU, White: P/N 90512015

US models

Exterior Projection 1000, US, Aluminum: P/N 90512005

Exterior Projection 1000, US, White: P/N 90512010

