FULLY WEATHERIZED OUTDOOR LED LIGHTING FIXTURE

SPEC SHEET



HIGHLIGHTS

- 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

OVERVIEW

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.

KEY MESSAGES

FOUR BEAM ANGLES

From 12° to 51°, select the right beam angle for the specific installation allowing for best possible image projection.

MULTIPLE EFFECTS LAYERS

Allows a range of lighting effects creativity many different looks can be achieved with the same fixture.

GOBO ACCESSIBILITY

The accessible service lid decreases cost, time, and risk to change gobos and colors.

FULLY CONVECTION-COOLED IP66 HOUSING

Ideal for minimal maintenance, low total cost of ownership, and resiliency to weather and other environmental conditions.



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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
- 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









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

ACCESSORIES

•	Exterior Projection 500 Glare Shield, Aluminum:	P/N 91611767
•	Projection Setup Gobo:	P/N 91616068
•	EP-500, Manual Framing Module:	P/N 91611842

SPARE PARTS

-	Sitted get desired in bug in seated for puch.	1 /11 07220000
•	Goboholder with magnet incl. washer, short spring & long spring:	P/N 50481990
•	Goboholder without magnet incl. washer, short spring & long spring:	P/N 50481992

Silica del desiccant had in sealed foil nack.



P/N 37220000



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TECHNICAL SPECIFICATIONS

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 16-bit DMX control of intensity, focus and gobo rotation/indexing angle.
DMX compliance	USITT DMX512-A
RDM compliance	ΔNSI/ESTΔ E1 20

OPTICS

Light source	. 230 W white light LED engine
LED manufacturer	. Prolight Opto
CRI (Color Rendering Index)	.72
Color temperature	. 8300 K
LED lifetime	. 20 000 hours (to >70% luminous output)*
Figure obtained under manufacturer	s test conditions

PHOTOMETRIC DATA

	Cut-off angle	Total output	Center peak
Narrow	. 12°	. 5000 lumens	203 000 cd
Medium	. 22°	. 6100 lumens	77 000 cd
Wide	. 37°	. 5700 lumens	28 000 cd
Very Wide	. 51°	. 3400 lumens	11 000 cd

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,

Impact resistance	IK08 (with control panel display cover plate installed)
EPA (Effective Projected Area)	0.15 m2
RoHS compliant	

GOBOS

Borosilicate glass, coatings heat-resistant to 450°C (842° F)
Aluminum 1060, paint on front lens side, 450° C (842° F) HT paint
.30.0 mm +0/-0.3 mm (1.2 in. +0/-0.02 in.)
. 23 mm (0.91 in.)
.1.1 mm ±0.1 mm (0.045 ±0.004 in.)
.3.0 mm ±0.3 mm (0.12in. ± 0.012 in.)
.0.5 mm ± 0.02 mm (0.020 in. ± 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
Power cable type	EU models: H07RN-F 450/700V, Ø10 mm US models: SJTW 14AWG, 300V, Ø9.3 mm
Data cable entry	IP68 cable gland
Data connection	1.8 m (5.9 ft.) combined input + output

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
Surge protection	4 KV
Idle power (zero intensity,	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%.



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TECHNICAL SPECIFICATIONS

THERMAL

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/NZRCM







GOBO WHEEL



Gobo 1: Grass Lines



Gobo 2: Organic Delights



Gobo 3: Brush It



Gobo 4: Liaht Lines



Gobo 5: Ripple Structure Glass



Gobo 6: Lined Effect Glass

COLOR WHEEL



Slot 1: Red



Slot 2: Magenta



Slot 3: Yellow



Green



Dark Blue



Slot 6: CTO



Cyan



Orange



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PROJECTION DATA - GOBO WITH MAX. IMAGE SIZE

NARROW BEAM ANGLE (12°) MODEL

Distance to projection surface	4 m	6 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m
	(13 ft.)	(20 ft.)	(26 ft.)	(33 ft.)	(39 ft.)	(46 ft.)	(53 ft.)	(59 ft.)	(66 ft.)
Projection diameter in meters (ft.)	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.9
	(2.6)	(3.8)	(5.1)	(6.3)	(7.6)	(8.9)	(10.2)	(11.4)	(12.7)
Center illuminance in lux	12688	5639	3172	2030	1410	1036	793	627	508
Center illuminance in candela	1179	524	295	189	131	96	74	58	47

MEDIUM BEAM ANGLE (22°) MODEL

Distance to projection surface	4 m	6 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m
	(13 ft.)	(20 ft.)	(26 ft.)	(33 ft.)	(39 ft.)	(46 ft.)	(53 ft.)	(59 ft.)	(66 ft.)
Projection diameter in meters (ft.)	1.4	2.1	2.9	3.6	4.3	5.0	5.7	6.4	7.2
	(4.7)	(7.0)	(9.4)	(11.7)	(14.1)	(16.4)	(18.8)	(21.1)	(23.5)
Center illuminance in lux	4813	2139	1203	770	535	393	301	238	193
Center illuminance in candela	447	199	112	72	50	36	28	22	18

WIDE BEAM ANGLE (37°) MODEL

Distance to projection surface	4 m	6 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m
	(13 ft.)	(20 ft.)	(26 ft.)	(33 ft.)	(39 ft.)	(46 ft.)	(53 ft.)	(59 ft.)	(66 ft.)
Projection diameter in meters (ft.)	2.5	3.7	4.9	6.2	7.4	8.6	9.9	11.1	12.3
	(8.1)	(12.1)	(16.2)	(20.2)	(24.2)	(28.3)	(32.3)	(36.4)	(40.4)
Center illuminance in lux	1750	778	438	280	194	143	109	86	70
Center illuminance in candela	163	72	41	26	18	13	10	8	7

NARROW BEAM ANGLE (51°) MODEL

Distance to projection surface	4 m	6 m	8 m	10 m	12 m	14 m	16 m	18 m	20 m
	(13 ft.)	(20 ft.)	(26 ft.)	(33 ft.)	(39 ft.)	(46 ft.)	(53 ft.)	(59 ft.)	(66 ft.)
Projection diameter in meters (ft.)	3.5	5.3	7.0	8.8	10.5	12.3	14.0	15.8	17.6
	(11.5)	(17.3)	(23.0)	(28.8)	(34.6)	(40.3)	(46.1)	(51.8)	(57.6)
Center illuminance in lux	688	306	172	110	76	56	43	34	28
Center illuminance in candela	64	28	16	10	7	5	4	3	3



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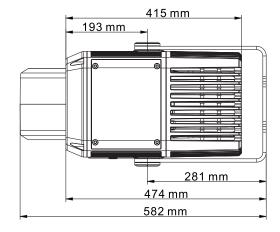
SPEC SHEET

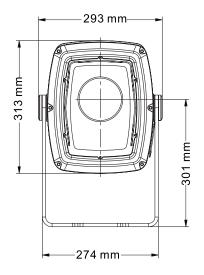
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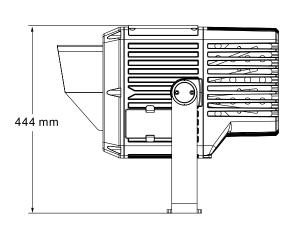
PHYSICAL

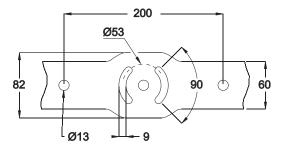
Length	415 mm (16.4 in.)
Width	293 mm (11.6 in.)
Height	444 mm (17.5 in.)
Weight	17.5 kg (38.6 lbs.)

All figures include mounting yoke









Dimension drawing includes optional glare shield

