

Exterior 1200 Image Projector specifications

Physical

Length	1006 mm (39.6 in.)
Width including mounting yoke	448 mm (17.6 in.)
Height including mounting yoke	620 mm (24.4 in.)
Weight	90 kg (198.4 lbs.)
EPA (Effective Projected Area).....	0.8 m ² (8.5 sq. ft.)

Lamp

Type.....	1200 W metal halide
Approved model	Philips MSD 1200
Lamp socket.....	G22
Control.....	Automatic and/or remote on/off

Dynamic Effects

Color mixing	Independently variable continuous CMY
Cyan.....	0 - 100%
Magenta	0 - 100%
Yellow	0 - 100%
Color wheel	4 slots for interchangeable filters (one required for open)
Rotating gobo wheel	4 gobo positions (one required for open), gobo indexing, continuous gobo rotation
Gobo animation wheel	Interchangeable, indexing, rotation with variable angle, speed and direction
Mechanical dimmer/shutter	0 - 100% variable dimming, instant open and blackout
Focus	Approx. 3 m (9.8 ft.) to infinity
Motorized zoom, narrow lens	12° - 18°
Motorized zoom, medium lens	18° - 36°
Motorized zoom, wide lens.....	31° - 51°

Zoom limits stated as cut-off angles

Control and Programming

Control options	DMX, stand-alone, synchronized (master/slave)
DMX channels.....	17
DMX address setting.....	MUM (Multi-Utility Manager), onboard control panel
16-bit control	Mechanical dimmer, rotating gobo indexing/speed, focus, zoom
Stand-alone trigger options.....	Internal timer and/or ambient light level
Stand-alone memory.....	20 scenes
Stand-alone programming.....	MUM, onboard control panel
Protocol.....	USITT DMX-512A
Receiver	RS-485

Construction

Housing	Aluminum
Finish	Clear anodized
Front glass	6 mm, anti-reflection coated
Color wheel filters	1.2 mm, dichroic, hexangular
Protection factor.....	UL wet location, main enclosure IP65

Gobos

Material.....	Metal or glass
Size.....	D
Outside diameter	53.3 mm (2.1 in.) +0/- 0.3 mm (0.01 in.)
Maximum image diameter	48 mm (1.9 in.)
Maximum thickness	2 mm (0.1 in.)
Image orientation.....	True from lamp side

Installation

Orientation	Any (air intake must face down)
Minimum distance to combustible materials	1 m (40 in.)
Minimum distance to illuminated surfaces	1 m (40 in.)
Minimum clearance around heat exchanger cowling.....	135 mm (5.5 in.)
Minimum clearance from top of luminaire to building member	150 mm (6 in.)
Minimum clearance from center of fixture to side building member	400 mm (16 in.)
Minimum center-to-center distance in side-by-side installation	800 mm (31.5 in.)

Connections

Power cable entry	IP68 cable gland
Power connection	Quick connectors
Data cable entry	IP68 cable gland
Data connection.....	RJ-45 or screw terminal/quick connectors

Electrical

AC power	200/208/220/230/240/250/277 V nominal, 50/60 Hz
Main fuses	17.5 AT (slow blow)
Ballast.....	Magnetic

Typical power and current*

200 V, 50 Hz	1380 W, 7.0 A, PF 0.975
200 V, 60 Hz	1405 W, 7.3 A, PF 0.960
208 V, 60 Hz	1417 W, 7.1 A, PF 0.958
220 V, 50 Hz	1373 W, 6.4 A, PF 0.973
230 V, 50 Hz	1365 W, 6.1 A, PF 0.973
240 V, 50 Hz	1370 W, 5.9 A, PF 0.973
250 V, 50 Hz	1364 W, 5.6 A, PF 0.972
277 V, 60 Hz	1417 W, 5.4 A, PF 0.956

**Figures listed are typical, not maximum. Measurements taken at nominal voltage. Allow for +/- 10% variation. PF = Power factor.*

Thermal

Maximum ambient temperature (Ta)	45° C (113° F)
Minimum ambient temperature (Ta)	- 20° C (- 4° F)
Maximum surface temperature, steady state, Ta=45° C	90° C (194° F)
Total heat dissipation (calculated, +/- 10%)	4950 BTU/hr.
Cooling	Forced air, integrated air/air heat exchanger, IP65 barrier

Approvals



US safety	UL 1598
Canadian safety	CSA C22.2 No. 250.0-04
EU safety	EN 60 598-1, EN 61 347-1
EU EMC.....	EN 55 015, EN 55 103-1, EN 61 000-3

Included Items

Philips MSD 1200 lamp.....	P/N 97010313
Two M16 x 1.5 IP68 cable glands, metal, cable diameter 5.5 - 10 mm (0.22 - 0.39 in.).....	P/N 13102030
One M20 x 1.5 IP68 cable gland, metal, cable diameter 8 - 13 mm (0.32 - 0.5 in.).....	P/N 13102090
Four M16 cable entry blanking plugs (installed), metal, with neoprene seals	P/N 13102050
Two M20 blanking plugs (installed), metal, with neoprene seal	P/N 13103030
User manual.....	P/N 35000177

Accessories

Narrow lens kit	P/N 91610083
Medium lens kit	P/N 91610084
Wide lens kit.....	P/N 91610085
Color, CTC and diffusion filters for color wheel	Contact Martin for details
Custom gobos	Contact Martin for details
Alternative gobo animation wheels	Contact Martin for details
Permanent CTC filter kit.....	Contact Martin for details

Spare parts

Philips MSD 1200 lamp.....	P/N 97010313
17.5 AT main fuse	P/N 05020045
15 AT main PCB low-voltage fuse	P/N 05020039
Silicone seal for front cover, Exterior 1200 IP & Wash	P/N 20600550
Silicone seal for rear cover, Exterior 1200 IP & Wash.....	P/N 20600560
Silicone seal for connections compartment (wiring box), Exterior 1200 IP & Wash.....	P/N 20620150
Silicone seal for LCD display cover, Exterior 1200 IP & Wash.....	P/N 20620160

Related Items

MUM (Multi Utility Manager) incl. DABS1 PC/luminaire interface & cables.....	P/N 90758090
Martin Universal USB/DMX Interface Box.....	P/N 90702045

Ordering Information

Exterior 1200 Profile, Narrow	P/N 90504065
Exterior 1200 Profile, Medium.....	P/N 90504075
Exterior 1200 Profile, Wide	P/N 90504085

Part numbers are for one single item unless stated otherwise.

Specifications subject to change without notice.