

Exterior 1200 Wash specifications

Physical

Length.....	860 mm (33.9 in.)
Width including mounting yoke	448 mm (17.6 in.)
Height including mounting yoke.....	620 mm (24.4 in.)
Weight.....	68 kg (150 lbs.)
EPA (Effective Projected Area)	0.6 m2 (6.5 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.....	Red, green, blue, 5500 - 3400 K CTC (as standard) and white (open)
Dimmer	0 - 100%
Zoom, Narrow model, fresnel optics (one-tenth peak angle).....	14° - 31°
Zoom, Medium model, fresnel optics (one-tenth peak angle).....	20° - 50°

Control and Programming

Control options	DMX, stand-alone, synchronized (master/client)
DMX channels	8
DMX address setting	MUM (Multi-Utility Manager), MP-2, onboard control panel
Stand-alone programming	MUM, MP-2, onboard control panel
Stand-alone trigger options	Internal timer and light-level sensor
Stand-alone memory	20 scenes
Protocol	USITT DMX-512A
Receiver.....	RS-485

Photometric Data

Narrow, zoom at spot position

Efficiency	31%
Half-peak angle.....	8°
Total output	28 600 lm

Narrow, zoom at flood position

Efficiency	31%
Half-peak angle.....	16°
Total output	28 200 lm

Narrow, zoom at spot position, with beam shaper lens accessory

Efficiency	29%
Half-peak angle, C ₀	20°
Half-peak angle, C ₉₀	9°
Total output	26 400 lm

Narrow, zoom at flood position, with beam shaper lens accessory

Efficiency	27%
Half-peak angle, C ₀	25°
Half-peak angle, C ₉₀	17°
Total output	24 400 lm

Medium, zoom at spot position

Efficiency	22%
Half-peak angle.....	12°
Total output	20 200 lm

Medium, zoom at flood position

Efficiency	31%
Half-peak angle.....	29°
Total output	28 800 lm

Wide

Efficiency	38%
Half-peak angle.....	44°
Total output	34 500 lm

Very wide

Efficiency	37%
Half-peak angle.....	48°
Total output	33 700 lm

Construction

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

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 fuse	15 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 (pending)	UL 1598
Canadian safety (pending).....	CSA C22.2 No. 250.0-00
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
Two main fuses, 15 AT (installed)	P/N 05020050
PCB fuse, 10 AT (installed).....	P/N 05020025
User manual	P/N 35000177

Accessories

Elliptical beam shaper lens	P/N 91610081
Snoot/barndoor kit	P/N 91611257
5500-4200 K CTC filter	P/N 91611258
Custom color and CTC filters.....	Contact Martin for details

Related Items

MUM (Multi Utility Manager) incl. DABS interface & cables.....	P/N 90758090
MP-2 Uploader	P/N 90758420

Ordering Information

Exterior 1200 Wash, Narrow (14° - 31°)	P/N 90504010
Exterior 1200 Wash, Medium (20° - 50°).....	P/N 90504020
Exterior 1200 Wash, Wide (60°)	P/N 90504030
Exterior 1200 Wash, Very Wide (97°)	P/N 90504040

Specifications subject to change without notice