

Specifications

PHYSICAL

| | |
|--------|--------------------|
| Length | 450 mm (17.7 in) |
| Width | 365 mm (14.4 in) |
| Height | 636 mm (25.0 in) |
| Weight | 37.8 kg (83.3 lbs) |

LAMP

| | |
|-----------------------------|--------------------------------|
| Type | .575 W short-arc discharge |
| Approved lamp | GE CSR 575/S/DE/70 |
| Color temperature | 7000 K |
| CRI (Color rendering index) | >80 |
| Average lifetime | 750 hours |
| Hot restrike | No |
| Socket | Double-ended SFC 10-4 with key |
| Ballast | Magnetic |

DYNAMIC EFFECTS

| | |
|----------------------------|---|
| Color wheel 1 | 8 interchangeable dichroic filters plus open |
| Color wheel 2 | 8 interchangeable dichroic filters plus open |
| Rotating gobo wheel | 6 interchangeable gobos + open, shake, variable speed rotation and indexing |
| Static gobo wheel | 9 interchangeable gobos + open, indexing, continuous rotation, random gobo |
| Prism | Replaceable high speed rotating 4-facet prism |
| Iris | 0 - 100%, pulse effects |
| Mechanical dimmer | 0 - 100% dimming |
| Shutter | Strobe variable 2 - 10 Hz, regular or random opening or closing pulse |
| Focus | 2 m to infinity |
| Zoom | 14° - 30° (2.1:1) |
| Pan | 540° |
| Tilt | 246° |
| Position correction system | Yes |

CONTROL AND PROGRAMMING

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|--------------------------|---|
| Control channels | 19 or 25 |
| Setting and addressing | Control panel with LED display |
| 16-bit control | Dimmer, color wheels 1 & 2, rotating gobo indexing, iris, focus, zoom, pan & tilt |
| Movement control options | Tracking and vector |
| Protocol | USITT DMX-512 (1990) |
| Receiver | Opto-isolated RS-485 |
| Firmware update | Upload via DMX link (Martin Universal USB/DMX Interface recommended) |

CONSTRUCTION

| | |
|-------------------|---|
| Colors | Black or white |
| Housing | UV-resistant fiber-reinforced composite shell |
| Reflector | Glass, cold light |
| Protection rating | IP 20 |

GOBOS

| | |
|------------------------|---|
| Outside diameter | 27.9 +0/-0.3 mm |
| Maximum image diameter | 23 mm |
| Maximum thickness | 1.1 mm in static slots, 4 mm in rotating slots |
| Recommended glass | High-temperature Borofloat or better with dichroic or enhanced aluminum coating |
| Recommended metal | 0.5 mm aluminum |

INSTALLATION

| | |
|---|---------------------------|
| Mounting points | 2 pairs of 1/4-turn locks |
| Orientation | any |
| Minimum distance from illuminated surface | 1.2 m (48 in.) |
| Minimum distance from combustible materials | 0.5 m (20 in.) |

CONNECTIONS

AC power input 3 m integral cable without power plug
DMX data in/out 3-pin and 5-pin locking XLR

ELECTRICAL

AC power 200-240 V nominal, 50/60 Hz (user-configurable voltage and frequency settings on ballast)
Main fuse 10 amp slow blow

Typical power and current

200 V, 50 Hz 788 W, 4.1 A, PF 0.972
200 V, 60 Hz 778 W, 4.1 A, PF 0.963
208 V, 60 Hz 797 W, 4.0 A, PF 0.960
230 V, 50 Hz 817 W, 3.7 A, PF 0.981
230 V, 60 Hz 804 W, 3.9 A, PF 0.907
240 V, 50 Hz 813 W, 3.5 A, PF 0.976

Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

OPTICS

Spread angle 14° - 30° (focused on open gobo)
Focal length 46 - 100 mm

THERMAL

Maximum ambient temperature (T_a) 40° C (104° F)
Maximum surface temperature 160° C (320° F)
Cooling Filtered forced air, temperature regulated
Total heat dissipation (calculated, +/- 10% at 230 V, 50 Hz) 2800 BTU/hr

APPROVALS



EU safety EN 60598-1, EN 60598-2-17
EU EMC EN 55 015, EN 55 103-1, EN 61 547
US safety ANSI/UL 1573
Canadian safety CSA C22.2 No. 166

INCLUDED ITEMS

GE CSR 575/S/DE/70 lamp (installed)
Two omega clamp attachment brackets with quarter-turn fasteners 2 x P/N 91602001
User manual P/N 35000206

ACCESSORIES

Half-coupler clamp P/N 91602005
G-clamp P/N 91602003
MAC 500/550/575//700™ stock gobos see www.martin.com

SPARE PARTS

Head (side) air filter P/N 20800170
10 AT main fuse P/N 05020025

RELATED ITEMS

Martin Universal USB/DMX Interface Box™ P/N 90702045

ORDERING INFORMATION

MAC 575 Krypton™ Low Noise, black, in cardboard packing case P/N 90216100
MAC 575 Krypton™, white, in cardboard packing case P/N 90216030