

# Specifications

## Physical

|        |  |
|--------|--|
| Length | 169 mm (6.7 in.) including cable gland |
| Width  | 307 mm (12.1 in.)                      |
| Height | 401 mm (15.8 in.)                      |
| Weight | 7.6 kg (16.8 lbs.) including bracket   |

## Dynamic Effects

|              |           |
|--------------|-----------|
| Color mixing | RGBAW     |
| Red          | .0 - 100% |
| Green        | .0 - 100% |
| Blue         | .0 - 100% |
| Amber        | .0 - 100% |
| White        | .0 - 100% |

## Control and Programming

|  |  |
|--|--|
| Color control modes                      | RGBAW, RGB, HSI, HSIC                                    |
| Control options                          | DMX, stand-alone, synchronized (master/slave)            |
| DMX channels                             | 3, 4 or 5  |
| DMX address setting                      | PC with Martin MUM software and DABS1 hardware interface |
| Stand-alone trigger options              | Internal timer and/or ambient light level                |
| Stand-alone and master/slave programming | PC with Martin MUM software and DABS1                    |
| 26-bit control (internal)                | RGBAW, RGB, HSI, HSIC color mixing                       |
| Protocol                                 | USITT DMX512-A   |
| Receiver                                 | RS-485   |
| Firmware update                          | Serial upload via DMX link                               |

## Photometric Data

|  |  |
|--|--|
| Light source   | Luxeon K2 high power emitters  |
| Total output   | 1400 lm with narrow diffuser, balanced white 5600 K at 25° C (77° F) |
| Half-peak angle  | 21° with narrow diffuser   |
| Minimum LED source lifetime (to 50% of initial output level) | 30 000 hours at full intensity                                       |

## Construction

|                   |   |
|-------------------|---|
| Color             | Clear anodized or white, custom colors to special order |
| Housing           | Anodized aluminum                                       |
| Mounting bracket  | .8 mm (0.3 in.) anodized aluminum                       |
| Front glass       | 6 mm (0.2 in.) anti-reflection coated                   |
| Protection rating | IP 65   |

## Installation

|  |                 |
|--|-----------------|
| Orientation                              | Any             |
| Vertical aiming                          | 330°            |
| Minimum distance to illuminated surfaces | 0.1 m (0.3 ft.) |

## Connections

|                   |  |
|-------------------|--|
| Power cable entry | IP68 cable gland                                   |
| Power connection  | 1.8 m (5.9 ft.) cable tail                         |
| Data cable entry  | IP68 cable gland                                   |
| Data connection   | 1.8 m (5.9 ft.) combined input + output cable tail |

## Electrical

|                   |  |
|-------------------|--|
| AC power          | 100-240 V nominal, 50/60 Hz            |
| Power supply unit | Integrated, auto-sensing multi-voltage |
| Main fuse         | 2.5 AT (slow blow)                     |

## Typical power and current

|                    |                          |
|--------------------|--------------------------|
| 100 V, 50 Hz. .... | 139 W, 1.4 A, PF = 0.990 |
| 100 V, 60 Hz. .... | 139 W, 1.4 A, PF = 0.989 |
| 110 V, 60 Hz. .... | 137 W, 1.3 A, PF = 0.988 |
| 120 V, 60 Hz. .... | 136 W, 1.2 A, PF = 0.986 |
| 208 V, 60 Hz. .... | 133 W, 0.7 A, PF = 0.932 |
| 230 V, 50 Hz. .... | 132 W, 0.7 A, PF = 0.925 |
| 240 V, 50 Hz. .... | 131 W, 0.7 A, PF = 0.886 |

Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.

## Thermal

|  |                 |
|--|-----------------|
| Cooling. ....  | Convection      |
| Maximum ambient temperature (Ta max.) ....               | 45° C (113° F)  |
| Minimum ambient temperature (Ta min.) ....               | -30° C (-22° F) |
| Maximum surface temperature, steady state, Ta=40° C .... | 90° C (194° F)  |
| Total heat dissipation (calculated, +/- 10%) ....        | 860 BTU/hr.     |

## Approvals



|                                       |  |
|---------------------------------------|--|
| EU safety . . . . .                   | EN 60598-1, EN 60598-2-1, IEC/EN 60825-1           |
| EU EMC . . . . .                      | EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3 |
| US safety (US models). . . . .        | UL 1598  |
| Canadian safety (US models) . . . . . | CAN/CSA C.22.2 No. 250                             |

## Included Items

- Adjustable mounting yoke
- Narrow diffuser (installed)
- Medium and Wide diffusers (supplied separately with product)
- User manual

## Accessories

|   |              |
|---|--------------|
| Narrow beam angle kit (diffuser sheet) . . . . .      | P/N 41600110 |
| Medium beam angle kit (diffuser sheet). . . . .       | P/N 41600111 |
| Wide beam angle kit (diffuser sheet) . . . . .        | P/N 41600112 |
| Exterior 200 floor stand . . . . .                    | P/N 91611305 |
| Safety eyebolt . . . . .                              | P/N 91611239 |
| 3-pin male XLR connector, cable-type, IP65 . . . . .  | P/N 91611306 |
| 3-pin female XLR connector, cable-type, IP65. . . . . | P/N 91611307 |

## Spare parts

|                            |              |
|----------------------------|--------------|
| 2.5 AT main fuse . . . . . | P/N 05020010 |
|----------------------------|--------------|

## Ordering Information

|  |              |
|--|--------------|
| Exterior 200 LED, Aluminum, EU model . . . . . | P/N 90545000 |
| Exterior 200 LED, Aluminum, US model . . . . . | P/N 90545100 |
| Exterior 200 LED, White, EU model. . . . .     | P/N 90545002 |
| Exterior 200 LED, White, US model. . . . .     | P/N 90545102 |

All models include Narrow diffuser installed and Medium and Wide diffusers supplied separately

Specifications subject to change without notice.