

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

Exterior 400, Exterior 410, Exterior 420

Color mixing	RGBW
Red	.0 - 100%
Green	.0 - 100%
Blue	.0 - 100%
White	.0 - 100%

Exterior 420

Variable color temperature control

Exterior 430

Custom single color	.0 - 100%
---------------------	-----------

Control and Programming

Exterior 400, Exterior 410

Color control modes	RGBW, RGB, HSI, HSIC
26-bit control (internal)	RGBW, RGB, HSI, HSIC color mixing
DMX channels	3, 4

Exterior 420

Color control mode	Variable CTC
26-bit control (internal)	Color temperature, intensity
DMX channels	2

Exterior 430

Color control mode	Single color
26-bit control (internal)	Single color intensity
DMX channels	1

Exterior 400 range (all fixtures)

Control options	DMX, stand-alone, synchronized (master/slave)
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
Protocol	USITT DMX512-A
Receiver	RS-485
Firmware update	Serial upload via DMX link

Photometric Data

Light source	Exterior 410 = Cree MC-E; other fixtures = Cree XP-E high power emitters
Half-peak angle	21° with narrow diffuser

Construction

Color	Clear anodized, white or black
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 (4 inches)

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 — pending)	UL 1598
Canadian safety (US models — pending)	CAN/CSA C.22.2 No. 250

Included Items

- Adjustable mounting yoke
- Narrow, medium and wide diffusers (supplied separately with product)
- User manual

Accessories

Exterior 200/400 floor stand	P/N 91611305
Safety eyebolt	P/N 91611239
Narrow beam angle kit (diffuser sheet)	P/N 41600122
Medium beam angle kit (diffuser sheet)	P/N 41600123
Wide beam angle kit (diffuser sheet)	P/N 41600124
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
------------------	--------------

Related items

Martin DABS1™ USB-XLR Hardware Interface including MUM application	P/N 91611144
Martin Universal USB/DMX Converter™ including Martin Light Jockey™ & Martin Maxxyz PC™ applications	P/N 90702055

Ordering Information

Exterior 400™

Exterior 400 EU model (aluminum)	P/N 90545050
Exterior 400 US model (aluminum)	P/N 90545150
Exterior 400 EU model (black)	P/N 90545060
Exterior 400 US model (black)	P/N 90545160
Exterior 400 EU model (white)	P/N 90545070
Exterior 400 US model (white)	P/N 90545170

Exterior 410™

Exterior 410 EU model (aluminum)	P/N 90545053
Exterior 410 US model (aluminum)	P/N 90545151
Exterior 410 EU model (black)	P/N 90545061
Exterior 410 US model (black)	P/N 90545161
Exterior 410 EU model (white)	P/N 90545071
Exterior 410 US model (white)	P/N 90545171

Exterior 420™

Exterior 420 EU model (aluminum)	P/N 90545051
Exterior 420 US model (aluminum)	P/N 90545152
Exterior 420 EU model (black)	P/N 90545062
Exterior 420 US model (black)	P/N 90545162
Exterior 420 EU model (white)	P/N 90545072
Exterior 420 US model (white)	P/N 90545172

Exterior 430™

Note: the Exterior 430 is a custom single-color product primarily offered with a choice of red, green, blue or white LEDs. Please contact your Martin sales contact or customer care representative at time of ordering to give details of the LED color you require.

Exterior 430 EU model (aluminum)	P/N 90545052
Exterior 430 US model (aluminum)	P/N 90545153
Exterior 430 EU model (black)	P/N 90545063
Exterior 430 US model (black)	P/N 90545163
Exterior 430 EU model (white)	P/N 90545073
Exterior 430 US model (white)	P/N 90545173

All models include Narrow, Medium and Wide diffusers supplied separately.

Specifications subject to change without notice.

See www.martin.com for latest specifications including full photometric data, light output measurements, LED lifetime, etc.