



Exterior 400

For lighting designs requiring uniform color washes at great distances, the Exterior 400™ provides extremely bright light (5300 lm) at narrow to wide beam angles. Great for lighting the tops of structures, up-lighting columns or reaching across long spaces, the Exterior 400 also broadens your choice of colors by mixing red, green, blue and white LEDs.

The Exterior 400™ Range

The outdoor installation market now has the best combination of powerful, compact and energy-efficient LED light fixtures. No matter the application - long or short throw, cold or warm white, dynamic or static color - the Exterior 400 Range does it all.

GALLERY



Extremely bright fixture with full color mixing

Very high efficacy

Ideal for long throw applications

FEATURES

TECHNICAL 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: RGBW

Red: 0 - 100%

Green: 0 - 100%

Blue: 0 - 100%

White: 0 - 100%

Control and Programming

Color control modes: RGB, RGBW, HSI, HSIC

Control options: DMX, stand-alone, synchronized (master/slave)

DMX channels: 3 or 4 depending on mode

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™ hardware interface

26-bit control (internal): RGB, RGBW, HSI, HSIC

Protocol: USITT DMX512-A

Receiver: RS-485

Firmware update: Serial upload via DMX link

Optics

Light source: Cree XP-E high power emitters

White LED: Neutral white, 5700 - 7000 K

Minimum LED lifetime: 50 000 hours (to >70% luminous output)*

Very Narrow (no diffuser), Narrow, Medium and Wide beam angles available

*Figure obtained under manufacturer's test conditions:

Construction

Color: Clear anodized, black or white

Housing: Anodized aluminum

Mounting bracket: 8 mm (0.32 in.) anodized aluminum

Front glass: 6 mm (0.24 in.) anti-reflection coated

Protection rating: IP65

Installation

Orientation: Any

Mounting: Flat surface at any angle, pedestal or other suitable support

Vertical aiming: 330°

Minimum distance to illuminated surfaces: 0.1 m (0.4 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

Standby power: 13 W

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), power must be maintained below 0° C (32° F)

Maximum surface temperature, steady state, at 40° C ambient: 90° C (194° F)

Total heat dissipation (calculated, +/- 10%): 480 BTU/hr.

Approvals

EU safety: EN 60598-2-5 (EN 60598-1), IEC/EN 60825-1

EU EMC: EN 55015, EN 55103-1, EN 55103-2, EN 61000-3-2, EN 61000-3-3

US safety (US model): UL 1598

Canadian safety (US model): CAN/CSA C.22.2 No. 250

Included Items

Adjustable mounting yoke

Narrow, Medium and Wide diffusers (supplied separately with product)

Power cable: Cable tail, 1.8 m (5.9 ft.), external diameter 9.5 mm (0.38 in.), installed

User manual:

Data cable: Cable tail, 1.8 m (5.9 ft.), external diameter 6.5 mm (0.26 in.), installed

Accessories

Diffuser, Exterior 400 Series, Narrow: P/N 41600122

Diffuser, Exterior 400 Series, Medium: P/N 41600123

Diffuser, Exterior 400 Series, Wide: P/N 41600124

Diffuser, Exterior 400 Series, Narrow, Directional 15°x1°: P/N 41600156

Diffuser, Exterior 400 Series, Medium, Directional 30°x3°: P/N 41600157

Diffuser, Exterior 400 Series, Wide, Directional 60°x1°: P/N 41600158

Diffuser, Exterior 400 Series, Wide, Directional 60°x10°: P/N 41600159

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

Related Items

Martin DABS1™ USB interface box incl. cables: P/N 90758090

Spare Parts

2.5 AT main fuse: P/N 05020010

Ordering Information

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

