

# Exterior Wash 220

Exterior™ Wash 220 is a powerful, compact and energy-efficient LED lighting fixture designed to illuminate mid-sized structures and building facades. A discreet, optional snoot integrates seamlessly with the slick design of the fixtures. It has built-in display for ease-of-use, a wide selection of beam angles and is fully IP-rated for permanent outdoor use.

The Exterior Wash 220 is designed for variable color temperature (2700K-6500K) applications and is based on separate 2700K and 6500K LEDs

Variable color temperature control with 6 beam angle options

Functional and discreet optional snoot which integrates with the design of the fixtures

Control via DMX, RDM and OLED display

## FEATURES

- Powerful LEDs (2700K, 6500K)
- Up to 9300 lumens at full white
- Six different beam angle options
- Internal power and control (DMX, RDM and OLED display)
- Rugged IP66 housing
- 0-100% intensity control

## TECHNICAL SPECIFICATIONS

### Physical

Length: 270 mm (10.7 in.)  
Width: 334 mm (13.2 in.)  
Height: 382 mm (15.1 in.)  
Weight: 13.0 kg (28.7 lbs.)

### Dynamic Effects

Intensity: 0 - 100%  
Color temperature control: 2700 K - 6500 K

### Control and Programming

Control systems: DMX, RDM  
DMX channels: 3  
Setting, addressing, standalone programming: Control panel with OLED display  
Receiver: RS-485  
Firmware update: Serial upload via DMX link  
DMX compliance: USITT DMX512-A  
RDM compliance: ANSI/ESTA E1.20

### Optics

Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
Light source: 2700 K and 6500 K LEDs  
LED manufacturer: Cree

### Beam angle options

No diffuser: 7.5°  
Narrow diffuser: 11.5°  
Medium diffuser: 25°  
Wide diffuser: 36°  
Very wide diffuser: 60°  
Asymmetric diffuser: 59° x 14.5°

\*Figure obtained under manufacturer's test conditions

### Photometric Data

Total luminous output: 9300 lumens



GALLERY



#### Construction

Ingress protection rating: IP66  
Surface treatment: Anodized and electrostatic powder-coated  
Color: Light grey (white, black or other colors available on request)  
Housing: Cast aluminum  
Effective Projected Area (EPA): 0.1 m<sup>2</sup> including snoot  
Impact resistance: IK08 (with control panel display cover plate installed)  
Corrosion resistance: C5-M (very high corrosivity / marine, ISO 12944)  
RoHS compliant

#### Installation

Orientation: Any  
Mounting: Adjustable yoke  
Vertical aiming: TBA  
Minimum distance to illuminated surfaces: 0.2 m (0.6 ft.)

#### Connections

Power connection: 1.8 m (5.9 ft.) cable tail without connector  
Data connection: 1.8 m (5.9 ft.) open ended 5-conductor combined input + output cable tail  
All cable entries: IP68 cable gland

#### Electrical

AC power: 100 - 240 / 277 V nominal, 50/60 Hz  
Power supply unit: Integrated, auto-sensing multi-voltage  
Power consumption, steady state, all LEDs at zero intensity: 4 W  
Maximum total power consumption: 185 W  
Typical half-cycle RMS inrush current: 10.3 A  
Surge protection: 4 KV

#### Typical Power and Current

100 V, 60 Hz: 1.6 A, 162 W, PF 0.99  
120 V, 60 Hz: 1.35 A, 160 W, PF 0.99  
230 V, 50 Hz: 0.75 A, 160 W, PF 0.94  
277 V, 60 Hz: 0.65 A, 160 W, PF 0.93

*Measurements made with fixture in steady state at nominal voltage, ambient temperature (Ta) 20° C (68° F), 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 -20° C (-4° F)  
Maximum surface temperature, steady state, at 40° C ambient: 55° C (131° F)  
Total heat dissipation (calculated, +/- 10%): 485 BTU/hr

#### Approvals

EU safety: EN60598-2-5 (EN60598-1), EN62471, EN62493, EN60598-2-1  
EU EMC: EN55015, EN61547, EN61000-3-2, EN6100-3-3, EN61000-4-2, EN6100-4-4, EN6100-4-5  
US safety: ANSI/UL 1598  
US EMC: 47 CFR Part 15 Class A  
Canadian safety: CSA C.22.2 No. 250  
Australia/NZ: C-TICK N4241 / RCM

#### Included Items

Power cable: Cable tail, 1.8 m (5.9 ft.), external diameter 9.5 mm (0.38 in.), installed  
Data cable: Cable tail, 1.8 m (5.9 ft.), external diameter 6.5 mm (0.26 in.), installed

#### Accessories

##### Optical

Exterior Wash 200 Series, narrow diffuser kit: P/N 91610154  
Exterior Wash 200 Series, medium diffuser kit: P/N 91610153  
Exterior Wash 200 Series, wide diffuser kit: P/N 91610152  
Exterior Wash 200 Series, very wide diffuser kit: P/N 91610151  
Exterior Wash 200 Series, asymmetric diffuser kit: P/N 91610150  
Exterior Wash 200 Series, glare shield / snoot: P/N 91611745

##### Related Items

Martin USB interface box incl. cables: P/N 90758090  
M-PC 2U™ incl. Martin M-DMX Interface Box and USB cable: P/N 90737070

##### Ordering Information

Exterior Wash 220, 7°, EU, aluminum: P/N 90509089  
Exterior Wash 220, 7°, US, aluminum: P/N 90509091

