



# Exterior Wash 310

Exterior Wash™ 310 is a powerful, compact and energy-efficient LED lighting fixture designed to illuminate large structures, building facades and bridges. 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 310 is designed for superior color mixing applications and is based on quad-color premixed LEDs.

Uniform color mixing 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

## GALLERY



## FEATURES

- Powerful premixed LEDs
- Up to 8300 lumens at full white (RGBW)
- 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: 283 mm (11.2 in.)  
Width: 404 mm (15.9 in.)  
Height: 439 mm (17.3 in.)  
Weight: 19.0 kg (42.0 lbs.)

### Dynamic Effects

Intensity: 0 - 100%  
Color mixing: RGBW

### Control and Programming

Control systems: DMX, RDM  
DMX channels: 4  
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

All models  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
Light source: RGBW quad-color LED  
Beam angle options: 10°, 14°, 22°, 41°, 61°, 14° x 61°  
\*Figure obtained under manufacturer's test conditions:

### Photometric Data

Total luminous output: 8800 lumens

### Construction

Protection rating: IP66  
Color: Clear anodized (standard) , black or white (optional)  
Housing: Cast aluminum  
Effective Projected Area (EPA): 0.14 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: 7 W

Typical Power and Current

120 V, 60 Hz: 2.3 A, 280 W, PF 0.99

230 V, 50 Hz: 1.2 A, 280 W, PF 0.98

*Measurements made at nominal voltage. 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: 70° C (158° F)

Total heat dissipation (calculated, +/- 10%): 945 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: 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 300 Series, narrow diffuser kit: P/N 91610155

Exterior Wash 300 Series, medium diffuser kit: P/N 91610156

Exterior Wash 300 Series, wide diffuser kit: P/N 91610157

Exterior Wash 300 Series, very wide diffuser kit: P/N 91610158

Exterior Wash 300 Series, asymmetric diffuser kit: P/N 91610159

Exterior Wash 300 Series, glare shield / snoot: P/N 91611735

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 310, 10°, EU, aluminum: P/N 90507075

Exterior Wash 310, 10°, US, aluminum: P/N 90507085

