



Exterior Wash 300

Exterior Wash™ 300 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 300 is designed for narrow beam applications and is based on separate LEDs for red, green, blue and white

Narrow beam configuration 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 single color R,G,B,W LEDs
- Up to 10.000 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

Minimum LED lifetime: 50 000 hours (to >70% luminous output)*
Light source: R, G, B and W single-color LEDs
Beam angle options: 7°, 12°, 21°, 40°, 60°, 12° x 60°
**Figure obtained under manufacturer's test conditions*

Photometric Data

Total luminous output: TBA

Construction

Protection rating: IP66
Color: Light grey RAL 7035 Gloss 5, White RAL 9010 Gloss 7
Housing: Cast aluminum
Effective Projected Area (EPA): 0.14 m² including snoot
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: 6 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

Impact resistance: IK08 (with control panel display cover plate installed)

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 300, 7°, EU, aluminum: P/N 90507070

Exterior Wash 300, 7°, US, aluminum: P/N 90507071

