Exterior Wash 210

Exterior™ Wash 210 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 210 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

FEATURES

- Powerful premixed LEDs

- Up to 4900 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: 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 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: 19 x RGBW quad-color LEDs
LED manufacturer: Cree

Beam angle options
No diffuser: 10.5°
Narrow diffuser: 14°
Medium diffuser: 24°
Wide diffuser: 43°
Very wide diffuser: 63°
Asymmetric diffuser: 61° x 16°
*Figure obtained under manufacturer's test conditions:

Photometric Data
Total luminous output: 4900 lumens

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 m² 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: 3 W
Maximum total power consumption: 165 W
Typical half-cycle RMS inrush current: 10.3 A
Surge protection: 4 KV

Typical Power and Current
100 V, 60 Hz: 1.5 A, 148 W, PF 0.99
120 V, 60 Hz: 1.25 A, 146 W, PF 0.99
230 V, 50 Hz: 0.7 A, 146 W, PF 0.95
277 V, 60 Hz: 0.6 A, 146 W, PF 0.88
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° 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 210, 10°, EU, aluminum: P/N 90509088
Exterior Wash 210, 10°, US, aluminum: P/N 90509095