Exterior Wash Pro XL CTC

OUTDOOR-RATED WASH LIGHT WITH COLOR TEMPERATURE CONTROL

Engineered for harsh conditions and creativity, **Exterior Wash Pro XL CTC** provides a logical, user-friendly and versatile lighting solution designed to illuminate large scale structures and building facades. Featuring external lenses and an optional baffle snoot, this fixture provides configurable beam control. Exterior Wash Pro XL CTC offers dedicated color temperature control from 2400K - 6500K. Designed for permanent outdoor installations and backed by a 5-year warranty, this fixture meets rigorous environmental standards.

FEATURES

- **Logic family** of four sizes and lumen packages (S, M, L, XL)
- **Compact** and slim design
- **Extended color temperature control** from 2400K - 6500K
- **More than** 60 lm/W efficacy
- **Narrow** beam-angle using high-power LEDs
- Optional **baffle snoo**t
- Externally mounted **micro lens diffusers**
- **RDM and DMX** control

- **Local diagnostics** and focusing via magnetic sensor
- **Power and DMX IN/OUT** pre-mounted cables
- **Optional Hybrid IN/Out** cable solution
- **Fully weatherized** housing (IP66, IK08 and C-5 High corrosion rating)
- **5-year** warranty

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SPEC SHEET

FEATURE HIGHLIGHTS

LOGICAL AND COHESIVE PRODUCT FAMILY
Choose from four sizes and lumen output packages that accommodate various installations and budgets. Enjoy a compact, lightweight design with integrated baffle snoot option for added versatility.

PRECISE BEAM CONTROL
Achieve precise light control and high intensity, while minimizing stray light in long-range applications, thanks to the narrow beam angle.

EXTENDED COLOR TEMPERATURE RANGE
Exterior Wash Pro CTC models feature warm (2400K), Medium (4000K) and Cold (6500K) LEDs for extended color temperature range and improved white light quality.

SUPERIOR TEMPERATURE CONTROL
Dedicated control channel to choose a color temperature from a warm 2400K up to a cold 6500 Kelvin.

SMART CONTROL
The integrated magnetic sensor is ideal for local diagnostics and focusing. Also included are RDM control and stand-alone programming via Martin Companion for easy configuration.

RESPONSIBLE CHOICE
Durable design for permanent outdoor installations, backed by a 5-year warranty, and meet rigorous environmental standards. Their compact, lightweight design minimizes environmental impact and shipping costs, they are fully repairable, and ship in full cardboard FSC-certified packaging.

TECHNICAL SPECIFICATIONS

DYNAMIC EFFECTS
Intensity: .... 0 - 100 %
Color temperature control: .... 2400K - 6500K

CONTROL AND PROGRAMMING
Control systems: .... DMX, RDM
User interface: .... Magnetic sensor for local diagnostics and focusing
Stand-alone control: .... Up to 20 scenes with individual fade/hold times
Control resolution: .... 8-bit DMX control of each color
Dimmer resolution: .... 16-bit DMX control of intensity
DMX channels: .... 3/3 (Standard/Basic)
DMX compliance: .... USITT DMX512/1990
RDM compliance: .... ANSI/ESTA E1.20
DMX/RDM Transceiver: .... Galvanic-isolated RS-485
Firmware update: .... Serial upload via DMX link

OPTICS
Light source: .... 21 x 2400K, 21 x 4000K, 22 x 6500K white color LEDs
LED Manufacturer: .... Cree
Minimum LED lifetime: .... 100 000 hours (to >70% luminous output)*
Binning: .... Tight color and flux binning

Figure obtained under manufacturer's test conditions at Ta = 25° C.

BEAM ANGLE OPTIONS:
Native beam angle: .... 7°
Narrow micro lens: .... 9°
Medium micro lens: .... 15°
Wide micro lens: .... 30°
Very Wide micro lens: .... 50°
Asymmetric micro lens .... 8° x 60°

PHOTOMETRIC DATA
CRI (Color Rendering Index): .... > 70
CCT: .... 2400K - 6500K (default 4000K)

LUMINOUS OUTPUT*:
2400K: .... 8200 lm
4000K: .... 17000 lm
6500K: .... 13000 lm

* All Photometric Data measured in steady state (30 minutes warm-up time) at 25°C ambient.

CONSTRUCTION
Housing: .... Cast Aluminum
Surface treatment: .... Anodized and electrostatic powder-coated
Color: .... Traffic grey RAL 7042 - other colors available on request
Effective Projected Area (EPA): .... 0.149 m² / 0.180 m²
Protection rating: IP66
Impact resistance: IK08
Corrosion resistance: .... C5 High (ISO 12944-6)
Vibration resistance: .... 1.0g, Sinusoidal (IEC 60068-2-6), 0,7g RMS Random (IEC 60068-2-64), 3.0g (ANSI C136-31)

INSTALLATION
Orientation: .... Any
Mounting: .... Adjustable bracket
Minimum distance to illuminated surfaces: .... 0.4 m (1.3 ft.)

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TECHNICAL SPECIFICATIONS (Cont.)

CONNECTIONS

Power connection: .... 2 m (6.5 ft.) cable tail open ended

Power input cable type, EU models: .... H07RN-F 3G 1.0mm², 450/750V, VDE

Power input cable type, US models: .... PVC SJTW 3x1.31mm² (16AWG) 105° C 300V VW-1

Data connection: .... 2 m (6.5 ft.) open ended 6-conductor combined input + output cable tail

Hybrid power/data cables (in & thru) 8-pin custom connectors available on request

ELECTRICAL

AC power: .... 100 -240 / 277 V nominal, 50/60 Hz

Power supply unit: .... Auto-ranging electronic switch-mode

Typical half-cycle RMS inrush current: 14 A

Max earth leakage: .... 0.5 mA

Power factor: .... 0.99 @ 110 V / 120 V, 0.96 @ 208 V / 230V, 0.90 @ 277 V

Max current draw: .... 2.50 A @ 100 V,2.1 A @ 120 V, 1.1 A @ 230 V, 0.90 A @ 277 V

Surge protection: 4KV

POWER CONSUMPTION:

Maximum: .... 250 W (reduced mode 200W) *

Idle: .... 4.0 W*

* Measurements made at nominal voltage. Allow for a deviation of +/- 10%. Idle: all LEDs at zero intensity

THERMAL

Cooling: .... Convection

Maximum ambient temperature (Ta max.): .... 45° C (113° F) *

Minimum ambient temperature (Ta min.): .... -30° C (-22° F) **

Total heat dissipation (calculated, +/- 10%): .... 853 BTU/hr

*Above this temperature, the fixture regulates output to protect from overheating.

**Power must be maintained below -20° C (-4° F)

ENVIRONMENTAL

RoHS: .... Compliant

REACH: .... Compliant

WEEE: .... Compliant

Proposition 65: .... Compliant

Packaging: .... FSC certified cardboard inlay and outer box

Efficacy (max output): .... 70 lm/W

LWR: .... 960 lm/kg (436 lm/lbs)*

*LWR = Lumen-to-Weight Ratio

APPROVALS

Global CB Certification/IECEE: .... IEC 60598-2-5 (IEC 60598-1)

EU Safety: .... EN 60598-2-5 (EN 60598-1), EN 62471, EN 62493

EU EMC: .... EN 55015, EN 55032, EN55035, EN 61547, EN 61000-3-2, EN 61000-3-3

US safety: .... ANSI/UL 1598

US EMC: .... 47 CFR Part 15 Class B

Canadian safety: .... CSA C22.2 No. 250.0

Australia/NZ: .... RCM

India: .... BIS IS 10322(Part5/section5) - Pending

RELATED ITEMS

- Martin Companion Cable: ....P/N MAR-91616091

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ORDERING INFORMATION - ACCESSORIES

- Micro Lens Pro XL - Narrow: ....P/N MAR-90590041
- Micro Lens Pro XL - Medium: ....P/N MAR-90590042
- Micro Lens Pro XL - Wide:...............................P/N MAR-90590043
- Micro Lens Pro XL - Very Wide: ....P/N MAR-90590044
- Micro Lens Pro XL - Asymmetric:......................P/N MAR-90590045

- Baffle Snoot Pro XL CTC: ....P/N MAR-90590024
- Exterior Wash Pro Multitool:.............................P/N MAR-90590025
- Hybrid PD cable tail In/Out 0.5 m, black:............P/N MAR-91700020
- Attachment plate for safety wire........................P/N MAR-90590050

EXTERIOR WASH PRO MULTI-TOOL

BAFFLE SNOOT PRO XL CTC

EXTERIOR WASH PRO MICRO LENS

ATTACHMENT PLATE FOR SAFETY WIRE INSTALLED

ORDERING INFORMATION - FIXTURES

- Exterior Wash Pro XL CTC, EU, grey: ....P/N MAR-90590012

- Exterior Wash Pro XL CTC, US, grey: ....P/N MAR-90590016

MARTIN EXTERIOR WASH PRO XL CTC

XL   L   M   S

THE COMPLETE MARTIN EXTERIOR WASH PRO CTC LINE

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DIMENSIONS

PHYSICAL

Length: .... 175 mm (6.89 in.)
Width: .... 351 mm (13.82 in.)
Height: .... 438 mm (17.24 in.)
Weight: .... 17.7 kg (39.0 lbs.)
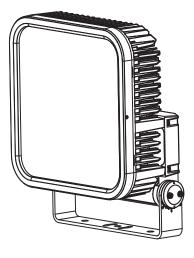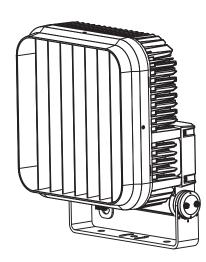

WITHOUT BAFFLE SNOOT

WITH BAFFLE SNOOT AND OPTIONAL ATTACHMENT PLATE FOR SAFETY WIRE

All dimensions are in mm

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