



Exterior Linear Cove Series

GALLERY



The Exterior™ Linears are a series of LED color changing fixtures in a robust outdoor-rated housing. The Exterior Linear fixtures provide high output and are available in both cove and graze light versions. Exterior™ Linear 1200 Cove and Exterior™ Linear 300 Cove feature superb color mixing and a uniform light distribution at a beam angle of 120°, suitable for a wide range of indirect lighting applications such as cove lighting in ceilings, decorative wall lighting and other structures.

The Exterior Linear fixtures are DMX controllable, easy to install due to their integrated universal power supply and connect via daisy chain using a combined power and data connector. The Exterior Linears are available with full color mixing or as variable white versions.

Linear LED fixture with uniform color mixing

Robust outdoor-rated fixture available in two lengths

Easy installation with integrated power supply

FEATURES

- Choice of single color LEDs or variable white version
- Up to 2,800 lm at full white (RGBW)
- Very low power consumption (max 20 W/ft)
- No extra control boxes required – connects directly to line voltage and DMX
- Internal power and control (DMX, RDM and magnetic tool)
- Super rugged IP66 housing
- 0–100% intensity control

TECHNICAL SPECIFICATIONS

Physical

300 series (1 ft.) fixtures
Length: 305 mm (12.0 in.)
Width: 72 mm (2.8 in.)
Height: 95 mm (3.8 in.) including bracket
Weight: 1.6 kg (3.6 lbs.)

1200 series (4 ft.) fixtures
Length: 1219 mm (48.0 in.)
Width: 72 mm (2.8 in.)
Height: 95 mm (3.8 in.) including bracket
Weight: 6.4 kg (14.2 lbs.)

Dynamic Effects

All models
Intensity: 0 - 100%

Exterior Linear Cove 300 and 1200
Color mixing: RGBW

Exterior Linear Cove 320 and 1220
Color temperature control: 2700 K - 6500 K

Control and Programming
Control systems: DMX, RDM
Control resolution: 8-bit DMX control of each color

User interface: Magnetic button to call up fixture status and test fixture
DMX compliance: USITT DMX512/1990
RDM compliance: ANSI/ESTA E1.20

Optics

Light source: 3 W CREE XP-E2 LEDs

Beam angle: 120°

Minimum LED lifetime: 50 000 hours (to >70% luminous output)*

**Figure obtained under test conditions*

Photometric Data

Exterior Linear 300 series Cove

Total luminous output: 900 lumens

Exterior Linear 1200 series Cove

Total luminous output: 3500 lumens

Exterior Linear 320 series Cove

Total luminous output: 850 lumens

Exterior Linear 1220 series Cove

Total luminous output: 3400 lumens

Construction

Housing: Aluminum

Lens: Frosted polycarbonate

Protection rating: IP66

IK rating: IK08

Corrosion resistance: C5-M (very high corrosivity / marine, ISO 12944)

RoHS compliant

Installation

Orientation: Any

Minimum distance to illuminated surfaces: 0.1 m (0.3 ft.)

Connections

Power/data in/thru: 8-pin custom connectors

Electrical

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

Power supply unit: Auto-ranging electronic switch-mode

Maximum total length of fixtures in chain at 120 V: 15.24 meters (50 ft.)

Maximum total length of fixtures in chain at 240 V: 30.48 m (100 ft.)

Typical half-cycle RMS inrush current: 300 and 320 models 0.3 A, 1200 and 1220 models 0.7 A

Typical Power and Current

100-240 V, 50/60 Hz: 20 W per foot +/- 1 W, PF 0.95 +/- 0.05

277 V, 50/60 Hz: 20 W per foot +/- 1 W, PF 0.90 +/- 0.05

Power figures are typical, not maximum. Measurements made at nominal voltage. Allow for +/- 10% deviation. PF = Power factor.

Thermal

Cooling: Convection

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

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

Approvals

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

EU EMC: EN 55015, EN 55032 (EN 55103-1), EN 55103-2, EN 61547, EN 61000-3-2, EN 61000-3-3

US safety (pending): ANSI/UL 1598

US EMC: 47 CFR Part 15 Class B

Canadian safety (pending): CSA C22.2 No. 250.0

Australia/NZ (pending): RCM

Accessories

Magnetic Test Tool, set of 10: P/N 91610139

Optical

Exterior Linear 300 glare shield, set of 4: P/N 91611752

Exterior Linear 1200 glare shield, set of 4: P/N 91611753

Cables

Power + Data Input Cable with 8-pin custom connector, 2 m (6.6 ft.), EU: P/N 91611754

Power + Data Input Cable with 8-pin custom connector, 2 m (6.6 ft.), US: P/N 91611755

Power + Data Input Cable with 8-pin custom connector, 10 m (32.8 ft.), EU: P/N 91611756

Power + Data Input Cable with 8-pin custom connector, 10 m (32.8 ft.), US: P/N 91611757

Power + Data Extension Cable with 8-pin custom connectors, 0.2 m (0.7 ft.), EU: P/N 91611758

Power + Data Extension Cable with 8-pin custom connectors, 0.2 m (0.7 ft.), US: P/N 91611759

Power + Data Extension Cable with 8-pin custom connectors, 1 m (3.3 ft.), EU: P/N 91611760

Power + Data Extension Cable with 8-pin custom connectors, 1 m (3.3 ft.), US: P/N 91611761

Power + Data Extension Cable with 8-pin custom connectors, 5 m (16.4 ft.), EU: P/N 91611762

Power + Data Extension Cable with 8-pin custom connectors, 5 m (16.4 ft.), US: P/N 91611763

Power + Data Extension Cable with 8-pin custom connectors, 10 m (32.8 ft.), EU: P/N 91611764

Power + Data Extension Cable with 8-pin custom connectors, 10 m (32.8 ft.), US: P/N 91611765

End Termination Cap for power + data link: P/N 91611766

Ordering Information

Exterior Linear 300 Cove, 120° (1 ft., RGBW): P/N 90356976

Exterior Linear 1200 Cove, 120° (4 ft., RGBW): P/N 90356979

Exterior Linear 320 Cove, 120° (1 ft., CTC): P/N 90356977

Exterior Linear 1220 Cove, 120° (4 ft., CTC): P/N 90356978

