

Exterior Linear CTC Cove



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 1220 Cove CTC and Exterior™ Linear 320 Cove CTC feature precise color temperature control from 2700K to 6500K 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.

GALLERY



Linear LED fixture with precise color temperature control

Robust outdoor-rated fixture available in two lengths

Easy installation with integrated power supply

FEATURES

- Wide spread and uniform dynamic white.
- 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

320 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.)

1220 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
Intensity: 0 - 100%
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
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 320 series Cove
Total luminous output: 846 lumens
Warm white output: 299 lumens
Cold white output: 491 lumens

Exterior Linear 1220 series Cove
Total luminous output: 3384 lumens
Warm white output: 1196 lumens
Cold white output: 1964 lumens

Construction

Housing: Aluminum
Front: Clear 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: 320 models 0.3 A, 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)
Total heat dissipation (calculated, +/- 10%): 70 BTU/hr. per foot

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 Series Glare Shield, set of 4: P/N 91611752
Exterior Linear 1200 Series 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 91611156
Power + Data Input Cable with 8-pin custom connector, 10 m (32.8 ft.), US: P/N 91611157
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 320 CTC Cove: P/N 90356977
Exterior Linear 1220 CTC Cove: P/N 90356978



