

Exterior Linear CTC Graze



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.

The Exterior™ Linear 1220 Graze CTC and the Exterior™ Linear 320 Graze CTC are designed to illuminate walls or any type of linear structure and feature precise color temperature control from 2700K to 6500K and uniform light distribution at three different beam angles, ideal for highlighting textured surfaces.

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 very narrow beam option

Robust outdoor-rated fixture available in two lengths

Easy installation with integrated power supply

FEATURES

- Three beam angle options – including narrow for impressive graze effects.
- 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 in.)

Width: 72 mm (2.8 in.)

Height: 99 mm (3.9 in.) including bracket

Weight: 1.5 kg (3.4 lbs.)

1220 series (4 ft.) fixtures

Length: 1219 mm (48 in.)

Width: 72 mm (2.8 in.)

Height: 99 mm (3.9 in.) including bracket

Weight: 6.0 kg (13.3 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

DMX channels: 2 - 16 depending on model and mode

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

Minimum LED lifetime: 50 000 hours (to >70% luminous output)*
*Figure obtained under test conditions

Beam angle variants
Narrow: 12°
Medium: 17°
Wide: 70°
Asymmetric: 70° x 12.5°

Photometric Data

: Exterior Linear 320 Graze (Medium)
Total luminous output: 1100 lumens
Warm white output: 270 lumens
Cold white output: 440 lumens

Exterior Linear 1220 Graze (Medium)
Total luminous output: 3040 lumens
Warm white output: 1080 lumens
Cold white output: 1760 lumens

Construction
Housing: Aluminum
Front: Clear polycarbonate with diffuser
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 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 Graze 320 series
Exterior Linear 320 CTC Graze, Narrow: P/N 90356988
Exterior Linear 320 CTC Graze, Medium: P/N 90356975
Exterior Linear 320 CTC Graze, Wide: P/N 90356974
Exterior Linear 320 CTC Graze, Asymmetric: P/N 90356973

Exterior Linear Graze 1220 series
Exterior Linear 1220 CTC Graze, Narrow: P/N 90356989
Exterior Linear 1220 CTC Graze, Medium: P/N 90356985
Exterior Linear 1220 CTC Graze, Wide: P/N 90356984
Exterior Linear 1220 CTC Graze, Asymmetric: P/N 90356983

