



# Exterior Linear Graze Series

The Exterior™ Linear fixtures 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 1200 Graze and the Exterior™ Linear 300 Graze are designed to illuminate walls or any type of linear structure and feature superb color mixing and uniform light distribution at three different beam angles, ideal for creating textured surfaces.

## GALLERY



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 Linear fixtures 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 lumen 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: 99 mm (3.9 in.) including bracket

Weight: 1.5 kg (3.4 lbs.)

1200 series (4 ft.) fixtures

Length: 1219 mm (48.0 in.)

Width: 72 mm (2.8 in.)

Height: 99 mm (3.9 in.) including bracket

Weight: 6.0 kg (13.3 lbs.)

### Dynamic Effects

All models

Intensity: 0 - 100%

Exterior Linear Graze 300 and 1200

Color mixing: RGBW

Exterior Linear Graze 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

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  
Beam angle variants: 10°, 15°, 60°, 10° x 60°  
Minimum LED lifetime: 50 000 hours (to >70% luminous output)\*  
*\*Figure obtained under test conditions*

#### Photometric Data

: Exterior Linear 300 series Graze  
Total luminous output: 600 lumens

Exterior Linear 1200 series Graze  
Total luminous output: 2800 lumens

#### Construction

Housing: Aluminum  
Finish: Clear anodized (standard) or white (optional)  
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 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 Graze 300 series

Exterior Linear 300 Graze, 10° (1 ft., RGBW): P/N 90356987  
Exterior Linear 300 Graze, 15° (1 ft., RGBW): P/N 90356970  
Exterior Linear 300 Graze, 60° (1 ft., RGBW): P/N 90356971  
Exterior Linear 300 Graze, 10°x60° (1 ft., RGBW): P/N 90356972  
Exterior Linear 320 Graze, 10° (1 ft., CTC): P/N 90356988  
Exterior Linear 320 Graze, 15° (1 ft., CTC): P/N 90356975  
Exterior Linear 320 Graze, 60° (1 ft., CTC): P/N 90356974  
Exterior Linear 320 Graze, 10°x60° (1 ft., CTC): P/N 90356973

Exterior Linear Graze 1200 series

Exterior Linear 1200 Graze, 10° (4 ft., RGBW): P/N 90356986  
Exterior Linear 1200 Graze, 15° (4 ft., RGBW): P/N 90356980  
Exterior Linear 1200 Graze, 60° (4 ft., RGBW): P/N 90356981  
Exterior Linear 1200 Graze, 10°x60° (4 ft., RGBW): P/N 90356982  
Exterior Linear 1220 Graze, 10° (4 ft., CTC): P/N 90356989  
Exterior Linear 1220 Graze, 15° (4 ft., CTC): P/N 90356985  
Exterior Linear 1220 Graze, 60° (4 ft., CTC): P/N 90356984  
Exterior Linear 1220 Graze, 10°x60° (4 ft., CTC): P/N 90356983

