

# Exterior Linear RGBW Graze



The Exterior™ Linear RGBW 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 1210 Graze RGBW and the Exterior™ Linear 310 Graze RGBW 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 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

300 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.)

1200 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 mixing: RGBW

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

Exterior Linear 300 / 1200 Graze  
Narrow: 12°  
Medium: 18°  
Wide: 70°  
Asymmetric: 74° x 12.5°

#### Photometric Data

: Exterior Linear 300 Graze (Medium)  
Total luminous output: 820 lumens  
Red output: 130 lumens  
Green output: 280 lumens  
Blue output: 40 lumens  
White output: 370 lumens

Exterior Linear 1200 Graze (Medium)  
Total luminous output: 3280 lumens  
Red output: 520 lumens  
Green output: 1120 lumens  
Blue output: 160 lumens  
White output: 1480 lumens

#### Construction

Housing: Aluminum  
Finish: Clear anodized (standard) or white (optional)  
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: 300 models 0.3 A, 1200 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 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 Graze 300 series

Exterior Linear 300 Graze, Narrow, RGBW: P/N 90356987

Exterior Linear 300 Graze, Medium, RGBW: P/N 90356970

Exterior Linear 300 Graze, Wide, RGBW: P/N 90356971

Exterior Linear 300 Graze, Asymmetric, RGBW: P/N 90356972

##### Exterior Linear Graze 1200 series

Exterior Linear 1200 Graze, Narrow, RGBW: P/N 90356986

Exterior Linear 1200 Graze, Medium, RGBW: P/N 90356980

Exterior Linear 1200 Graze, Wide, RGBW: P/N 90356981

Exterior Linear 1200 Graze, Asymmetric, RGBW: P/N 90356982

