

# EXTERIOR LINEAR™ RGBW

300 RGBW GRAZE / 300 RGBW COVE / 1200 RGBW GRAZE / 1200 RGBW COVE

SPEC SHEET



## HIGHLIGHTS

- Linear RGBW LED fixture with high output color mixing
- Robust outdoor-rated fixture available in two lengths
- Easy installation with integrated power supply

## OVERVIEW

The Exterior™ Linear RGBW is a series of high output LED color-changing fixtures in a robust outdoor-rated housing. Available in cove and graze light versions in different sizes for perfect fitting, the series is designed to illuminate walls and any other type of linear structure and features uniform light distribution. The graze version is available at four different beam angles, ideal for highlighting textured surfaces. The Cove version features a uniform light distribution at a beam angle of 105°, suitable for a wide range of indirect lighting applications such as cove lighting in ceilings, decorative wall lighting and other structures. An integrated universal power supply makes installation a breeze and the DMX controllable fixture is easy to daisy chain using a combined power and data connector.

## KEY MESSAGES

### NARROW BEAM CONTROL

Dynamic color mixing using discreet Red, Green, Blue and neutral White Cree XP-E2 LEDs. The Exterior Linear RGBW Graze offers the most narrow beam angle configuration and optimum brightness for large-scale graze lighting applications.

### WEATHERIZED, STURDY DESIGN

The Exterior Linear RGBW is designed for permanent outdoor installation. IP 66-rated, it is efficiently protected against intrusion of dust and water, while its IK08-classification ensures great protection against external mechanical impacts.

### SIMPLE INFRASTRUCTURE

The Exterior Linear RGBW features a built-in power supply which auto-ranges 100-277 V, allowing for long fixture runs of up to 25 x 4 ft fixtures (100 ft at 230 V). The IP-rated hybrid connector ensures hassle-free, fast installation with no extra control boxes required.

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## FEATURES

- Robust, outdoor IP-66 rated linear fixture
- Discreet Red, Green, Blue, White Led for narrow beam angle configuration
- Available in 1 and 4 ft versions to fit structural elements
- End-to-end connection or via connection cables
- Internal power supply for long fixture runs
- Easy installation due to hybrid power/data cable
- DMX control either as complete fixture or segment (1 ft) control
- 0–100% intensity control
- Remote Device Management (RDM) for remote reading of run hours and parameter setting
- Magnetic tool for fast local diagnostics
- Graze version with four beam angle options, including narrow for impressive graze effects
- Dedicated cove version for maximum spread of light
- Accessory glare shield available for improved glare control
- Low power consumption (max 20 W/ft)
- No extra control boxes required—connects directly to line voltage and DMX
- Automatic thermal management for full protection of LEDs and components

## ORDERING INFORMATION

### GRAZE VERSIONS

- Exterior Linear 300 RGBW 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 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

### COVE VERSIONS

- Exterior Linear 300 RGBW Cove..... P/N 90356976
- Exterior Linear 1200 RGBW Cove..... P/N 90356979

### ACCESSORIES

- Glare Shield 300, Set of 4..... P/N 91611752
- Glare Shield 1200, Set of 4..... P/N 91611753
- Lead-in Cable, 2 M, EU ..... P/N 91611754
- Lead-in Cable, 10 M, EU ..... P/N 91611156
- Extension Cable, 0.2 M, EU..... P/N 91611758
- Extension Cable, 1 M, EU..... P/N 91611760
- Extension Cable, 5 M, EU..... P/N 91611762
- Extension Cable 10 M, EU..... P/N 91611764
- Lead-in Cable, 2 M, US ..... P/N 91611755
- Lead-in Cable, 10 M, US ..... P/N 91611157
- Extension Cable, 0.2 M, US..... P/N 91611759
- Extension Cable, 1 M, US..... P/N 91611761
- Extension Cable, 5 M, US..... P/N 91611763
- Extension Cable 10 M, US..... P/N 91611765
- End Termination Cap ..... P/N 91611766



Lead-in Cable



Extension Cable



End Termination Cap



Glare Shield

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## TECHNICAL SPECIFICATIONS

### DYNAMIC EFFECTS

Intensity ..... 0 - 100%  
 Color control ..... RGBW  
 Control ..... 1 ft segments or as one fixture

### CONTROL AND PROGRAMMING

Control systems ..... DMX, RDM  
 Control resolution ..... 8-bit DMX individual color control  
 DMX channels ..... 4-16 depending on model and mode  
 User interface ..... Magnetic switch to call up fixture status and diagnostics  
 DMX compliance ..... USITT DMX512/1990  
 RDM compliance ..... ANSI/ESTA E1.20

### OPTICS

Light source ..... 3 W Cree XP-E2 LEDs  
 LED manufacturer ..... Cree  
 Minimum LED lifetime ..... 50,000 hours (to >70% luminous output)\*

\*Figure obtained under manufacturer's test conditions

### BEAM ANGLE (COVE MODEL)

Beam angle ..... 105°

### BEAM ANGLE (GRAZE MODEL)

Narrow ..... 12°  
 Medium ..... 18°  
 Wide ..... 70°  
 Asymmetric ..... 12,5° x 74°

### PHOTOMETRICS

	300 Graze	1200 Graze
Total luminous output	820 lumens	3280 lumens
Red output	130 lumens	520 lumens
Green output	280 lumens	1120 lumens
Blue output	40 lumens	160 lumens
White output	370 lumens	1480 lumens

### PHOTOMETRICS

	300 Cove	1200 Cove
Total luminous output	874 lumens	3496 lumens
Red output	134 lumens	536 lumens
Green output	296 lumens	1184 lumens
Blue output	42 lumens	168 lumens
White output	308 lumens	1232 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  
 Surge protection ..... 4 KV

### INSTALLATION

Orientation ..... Any  
 Minimum distance to illuminated surfaces ..... 0.1 m / 0.3 ft.

### ELECTRICAL

Power/data in/thru ..... 8-pin custom connectors  
 AC power ..... 100-277 V nominal, 50/60 Hz  
 Power supply unit ..... Auto-ranging electronic switch-mode  
 Maximum total length of fixtures ..... 15.24 m / 50 ft. (at 120 V)  
 Maximum total length of fixtures ..... 30.5 m / 100 ft. (at 240 V)  
 Maximum total length of fixtures ..... 36.5 m / 120 ft. (at 277V)  
 Maximum total cable length ..... 70 m / 230 ft. (at 120 V)  
 Maximum total cable length ..... 100 m / 328 ft. (at 240/277 V)  
 Typical half-cycle RMS inrush current .. 310 model 0.3 A, 1210 model 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  
 Figures are typical, not maximum. Measurements made at nominal voltage with all LEDs at full intensity.

### THERMAL

Cooling ..... Convection  
 Maximum ambient temperature ..... 45° C (113° F)\*  
 Minimum ambient temperature ..... -30° C (-22° F)  
 Total heat dissipation (calculated, +/- 10%) ..... 70 BTU/hr. per foot  
 \*Above this temperature, the fixture regulates output to protect from overheating

### 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 ..... ANSI/UL 1598 US EMC: 47 CFR Part 15 Class B  
 Canadian Safety ..... CSA C22.2 No. 250.0  
 Australia/NZ ..... RCM

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## DIMENSIONS

### PHYSICAL

#### 300 series (1 ft.) fixtures

Length.....	305 mm / 12 in.
Width.....	72 mm / 2.8 in.
Height, Graze.....	96 mm / 3.8 in. incl. bracket
Height, Cove.....	89 mm / 3.5 in. incl. bracket
Weight, Graze.....	1.5 kg / 3.4 lbs.
Weight, Cove.....	1.6 kg / 3.6 lbs.

#### 1200 series (4 ft.) fixtures

Length.....	1219 mm / 48 in.
Width.....	72 mm / 2.8 in.
Height, Graze.....	96 mm / 3.8 in. incl. bracket
Height, Cove.....	89 mm / 3.5 in. incl. bracket
Weight, Graze.....	6.0 kg / 13.3 lbs.
Weight, Cove.....	6.4 kg / 14.2 lbs.

