

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 120°, 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 120°

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.

