

EXTERIOR LINEAR™ CTC

320 CTC GRAZE / 320 CTC COVE / 1220 CTC GRAZE / 1220 CTC COVE

SPEC SHEET



HIGHLIGHTS

- Linear color temperature controlled 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 CTC is a series of high output LED color temperature controlled (2700K – 6500K) 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

Color temperature control based on Warm, neutral and cool White Cree XP-E2 LEDs. The Exterior Linear CTC Graze offers a narrow beam angle configuration and optimum brightness for large-scale graze lighting applications.

WEATHERIZED, STURDY DESIGN

The Exterior Linear CTC 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 CTC 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 warm, neutral and cool white Led for 2700k-65000K color temperature control
- 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 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 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

COVE VERSIONS

- Exterior Linear 320 CTC Cove..... P/N 90356977
- Exterior Linear 1220 CTC Cove..... P/N 90356978

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 temperature control 2700K - 6500K
 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 2-12 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

	320 Graze	1220 Graze
Total luminous output	1100 lumens	3040 lumens
Warm white output	270 lumens	1080 lumens
Neutral white output	330 lumens	1320 lumens
Cool white output	440 lumens	1760 lumens

PHOTOMETRICS

	320 Cove	1220 Cove
Total luminous output	846 lumens	3384 lumens
Warm white output	299 lumens	1196 lumens
Neutral white output	370 lumens	1480 lumens
Cool white output	491 lumens	1964 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

320 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.

1220 series (4 ft.) fixtures

- Length.....1219 mm / 48 in.
- Width.....72 mm / 2.8 in.
- Height, Graze.....96 mm / 4.1 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.

