



Type(s)

Project

Date

Notes

GENERAL INFORMATION

Lonestar Prime is a framing fixture boasting exceptional brightness and professional features in a compact package. With its weatherproof design, Lonestar Prime is ideal for broad-purpose rental applications and venues that are working either inside or outside. Its 17,000+ lumen output, enhanced color rendering, dedicated CTO flag, robust gobo library, and more, make Lonestar Prime a high-impact tool for all kinds of live events.

Applications

- Rental
- Events
- Award Shows
- Outdoor Festivals
- Schools
- Theatres
- Lecture Halls
- TV Studios
- House of Worship

Product Features

- Extra Bright Color Boost (EBCB) white LED engine
- 350 W engine
- Fixture output exceeding 17,000 lumens at native 80 CRI
- High quality 13-lens optic system
- Extremely powerful 3.8°–55° zoom
- Dual Flag CMY color mixing system with CTO wheel
- Ten-position plus open color wheel
- Full-curtain framing system for total control of beam shaping
- 16-blade iris for extremely tight beam effects
- Two diffusion levels, light and medium, with variable insertion and no zoom or focus interference
- Nine-position plus open Rotating Gobo Wheel
- Ten-position plus open Fixed Gobo Wheel
- Dual prisms with simultaneous insertion for beam and projection effects
- Rotating Animation Wheel with linear positioning and angular control
- Optional RigPOV camera kit provides livestream NDI feed from the fixture's perspective

ORDERING INFORMATION

Model	Description
LS-P	Lonestar Prime, Black in Recyclable Foam Packaging, Boxed
LS-P-CAM	Lonestar Prime with RigPOV, Black in Recyclable Foam Packaging, Boxed
RC-LSP	Road Case for Lonestar Prime, Includes Molded Inserts for Three Fixtures

Color Options: Fixtures ship standard in black. White available by request.

Included Accessories: Fixture includes two (2) 107 mm single-hole Omega brackets, one (1) fixture power cord - bare ends to powerCON® TRUE1 compatible connector, and a safety cable.

Accessories

Model	Description
ACC-LSP-TH	Top Hat, Snoot for Lonestar Prime
ACC-LSP-HFROST	Heavy Frost Accessory for Lonestar Prime
MV-MOUNT	Multiverse Mounting Kit
CT-5914	Multiverse Connect Module, 2.4 GHz

PRODUCT SPECIFICATIONS

Source

Engine	Extra Bright Color Boost white LED engine
LED Details	350 W
Field Lumens	See photometrics on page 4
Max Integrating Sphere Lumens	17,000
LPW	48
LED Life	50,000 hours
Native CCT	6500 K

Color

Color Mixing	Cyan, magenta, yellow, and CTO
Color Temperature	Variable down to 2700K
Color Wheel	Ten (10) dichroic colors plus open

Optical

Beam Angle Range	3.8°–55°
Gate Size	16 mm
Aperture Size	140 mm
Pattern Projection	-Rotating and indexable wheel with nine (9) interchangeable patterns plus open -Fixed wheel with ten (10) fixed and stamped patterns plus open
Animation	Bi-directional rotating animation wheel with linear insertion, and variable angle
Prism	Five-facet star and four-facet linear rotating prism with simultaneous insertion
Diffusion	-Light and Medium diffusion with variable insertion with no effect on focus or zoom -Optional Heavy diffusion available for Prism slot
Iris	16-blade iris
Framing	Four-plane, full-curtain framing system with 180° module rotation
Flicker Control/Hz Range	2.4 kHz, 16 kHz, and 25 kHz

Control

Input Method	DMX (5-pin) or Ethernet
Protocols	DMX via RS-485 Art-Net or sACN via Ethernet
Ethernet Pass-Thru	Passive Ethernet in and thru with and without power
Data Conversion	Patented data conversion system for Ethernet to DMX
Modes (Footprint)	Standard (52 channels), Trifusion Protocol (52 channels)
RDM Functions	Yes
UI Type	Full-color graphical UI with 6-button navigational control NFC Configuration
Local Control	Yes
Dimming Performance	16-bit, DMX controlled
Wireless	Multiverse via optional MV-Mount Adaptor and Multiverse Connect Module (CT-5914)

Electrical

Voltage Range	100–240 V 50–60 Hz
Input Method	REAN® power X Series Connectors
Wattage	550 W
Current (Max)	5.9 A @ 100 V 2.3 A @ 240 V
Inrush (First Half Cycle)	120 V: 37 A 230 V: 51 A
Fixtures per Circuit	3 fixture (R20 module or similar) Note: REAN power X Series connector rated for 20 A (120 V/60 Hz) and 16 A (240 V/50 Hz)

Thermal

Ambient Operating Temp	-10°C to 35°C (14°F to 95°F)
Fan Mode	Standard, Studio, and Linear Continuous control channel
Stationary Noise	Standard - 36.6 dBA Studio - 35.8 dBA Lowest settable fan setting - 27.5 dBA All tests at 18.4 dBA background noise

Physical

Pan and Tilt Range	630/540° pan, 260° tilt
Max Pan/Tilt Speed	360° in 1.62 s/180° in 0.88 s
Materials	Steel and aluminum frame with aluminum and molded plastic covers
Color Options	Black, white by request
Mounting Options	Any orientation
IP Rating	IP54, for use both indoors and in temporary outdoor installations
Weight	23.1 kg (51 lb)
Included Accessories	X Series IP65 to bare end fixture tail Two (2) 107 mm single-hole Omega brackets Safety cable

Warranty

Warranty Details	etcconnect.com/Warranty
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Regulatory & Compliance

Approved regulatory standards	cETLus Listed Listed to UL 1573 Certified to CSA STD. C22.2 No: 166 CE Compliant UKCA Compliant CB Certified
Complies to the ROHS directive	Yes

Safety

Safety	Minimum distance to illuminated surface = 2.0 m (6.6 ft) Minimum distance from fixture head to combustible materials = 0.1 m (4.0 in)
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Notes: All LED sources experience some lessening of light output and some color shift over time. LED output will vary with thermal conditions. Thermal conditions can be affected by ambient temperatures and orientation.

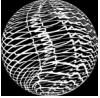
FEATURE DETAILS

Rotating Gobo Details

Outside Diameter	17 mm (0.67 in)
Image Diameter	14 mm (0.55 in)
Materials	0.5 mm aluminum 1.1 mm glass Borofloat®

Rotating
Gobo Wheel

1 - Wiggle Lines



2 - Mycelium



3 - Bob's Brush



4 - The Claw



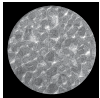
5 - Cut Cone



6 - Split-S



7 - Ice



8 - Bar



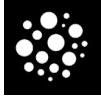
9 - Art Ducko

Stamped Fixed
Gobo Wheel

1 - Shattered



2 - MiscSpots



3 - Light Organic



4 - Thatch



5 - Across



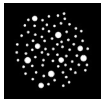
6 - Triangles



7 - Daisy



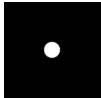
8 - Shower



9 - Fractated



10 - Needle



Color Wheel Details

Shape	Interchangeable wedge
Materials	1.1 mm glass Borofloat

1 - Red



2 - Blue



3 - Green



4 - Yellow



5 - Purple



6 - Orange



7 - 4400 K



8 - 3200 K



9 - Dark Blue

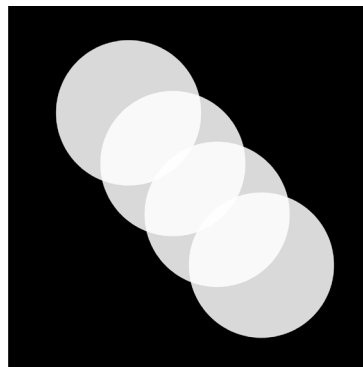
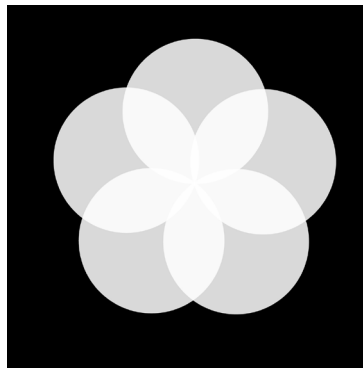


10 - CTB



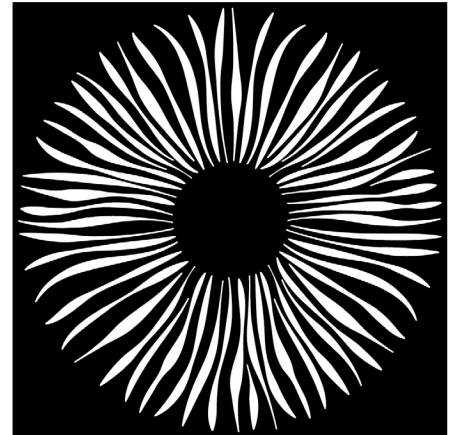
Prism Details

Movement	Two prism flags with individual insertion
Materials	Molded optical glass



Animation Wheel Details

Movement	Bi-directional continuous rotation with Linear insertion with 50° angular path range
Materials	0.8 mm aluminum



RigPOV (Optional)

Camera Type	1080p low-latency camera
Communication	NDI HX, RTSP, RTMP, SRT
Connection	RJ45 port in fixture base, replaces Ethernet thru connection
Mounting	Exterior mounted with external screws for easy conversion
Weather Rated	Yes (IP54) when installed



PHOTOMETRIC DATA

Lonestar Prime - EBCB Engine

	Degree	Candela	Field Lumens	Power Usage	Lumens Per Watt
Narrow	3.8°	1,932,800	5,569	350 W	16
Medium	26°	151,100	12,404	350 W	35
Wide	55°	21,000	11,979	350 W	34

Narrow - 3.8°

Throw Distance	10 ft 3.0 m	20 ft 6.1 m	30 ft 9.1 m	50 ft 15.2 m	200 ft 61 m
Field Diameter	0.7 ft 0.22 m	1.3 ft 0.4 m	2 ft 0.61 m	3.3 ft 1.01 m	13.3 ft 4.06 m
Illuminance (fc)	19,328	4,832	2,148	774	49
Illuminance (lux)	207,959	51,990	23,107	8,318	520

Medium - 26°

Throw Distance	10 ft 3.0 m	20 ft 6.1 m	30 ft 9.1 m	50 ft 15.2 m	200 ft 61 m
Field Diameter	4.6 ft 1.41 m	9.2 ft 2.81 m	13.9 ft 4.24 m	23.1 ft 7.05 m	92.3 ft 28.14 m
Illuminance (fc)	1,511	378	168	61	4
Illuminance (lux)	16,254	4,063	1,806	650	41

Wide - 55°

Throw Distance	10 ft 3.0 m	20 ft 6.1 m	30 ft 9.1 m	50 ft 15.2 m	200 ft 61 m
Field Diameter	10.4 ft 3.17 m	20.8 ft 6.34 m	31.2 ft 9.51 m	52.1 ft 15.89 m	208.2 ft 63.46 m
Illuminance (fc)	210	53	24	9	1
Illuminance (lux)	2,250	562	250	90	6

To determine center beam illumination in footcandles at any throw distance, divide candela by the throw distance squared.

Metric conversions: For meters, multiply feet by 0.3048.
For lux, multiply footcandles by 10.76.

WEATHER PROTECTED

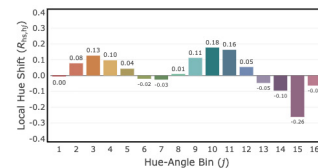
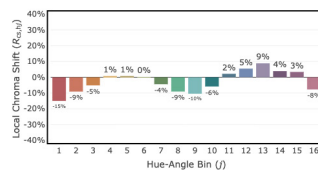
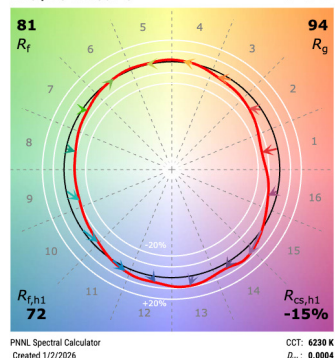
Lonestar Prime's rain-proof and dust-proof design allows it to be used in all types of weather and climates. Thanks to advanced IP54 design features and hydrophobic filtering techniques Lonestar Prime should be used outdoors just as readily as in, and all without additional maintenance, vacuum seal requirements, or specialized tools.

Outdoor related features

- Rain-Proof
- Dust-Protected
- Hydrophobic Air Filtering
- Cold Weather Preheating
- Control Loss Sun Protection
- Defogging Technology



ANSI/IES TM-30-20 P-V-F-



Additional Color Metrics

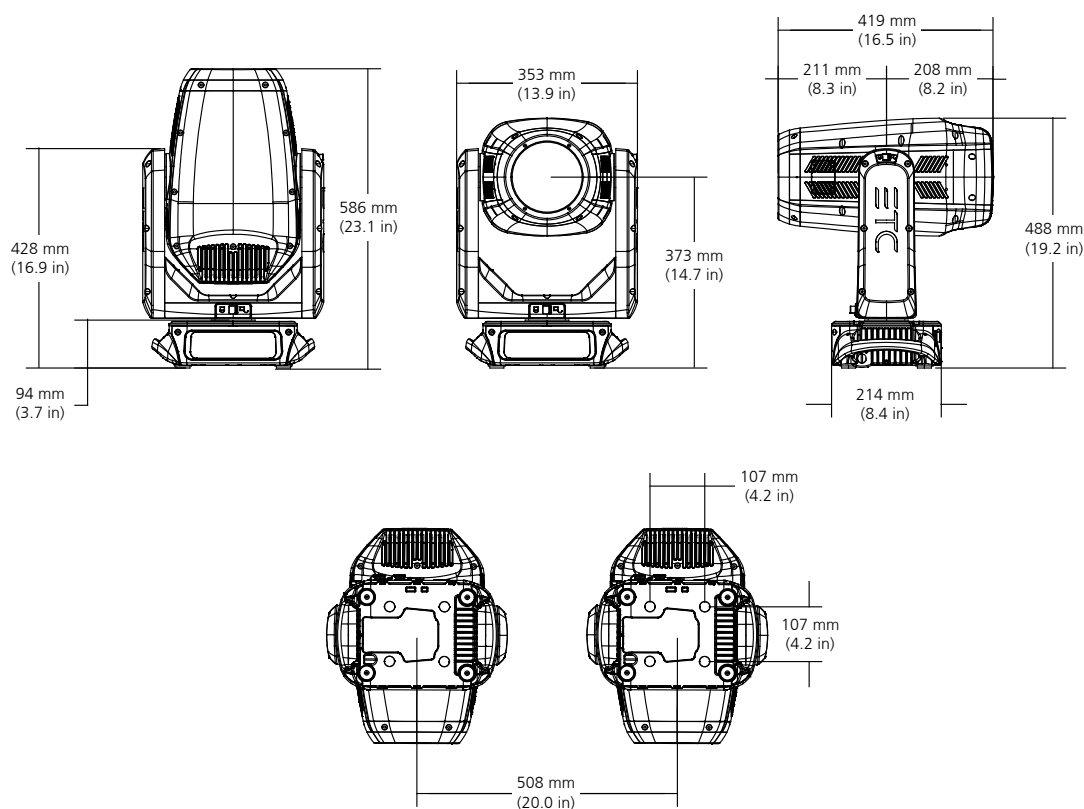
CRI R_a (R_g)	80 (-5)
TLCI	61

Product Dimensions

Model	Height		Width		Depth		Weight	
	in	mm	in	mm	in	mm	lb	kg
Lonestar Prime**	23.0	584	13.8	350	9.1	230	51.0	23.1
Lonestar Prime in Box with Foam Insert	28.3	720	18.9	480	15.8	400	58.0	26.3

**Does not include mounting hardware

Lonestar Prime



Power Table

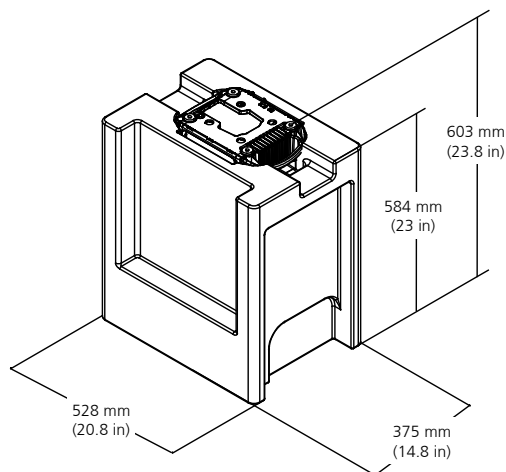
VAC	Amps	Hz	Watts	VA	PF
100	5.9	50	586	585	0.99
120	4.9	60	584	579	0.99
200	2.9	50	562	561	0.97
208	2.7	60	547	571	0.97
220	2.6	50	554	574	0.97
230	2.4	50	545	564	0.97
240	2.3	60	546	571	0.97

ADDITIONAL ORDERING INFORMATION

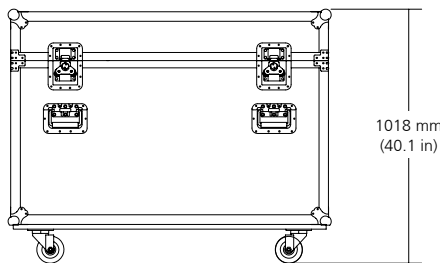
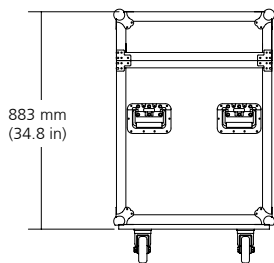
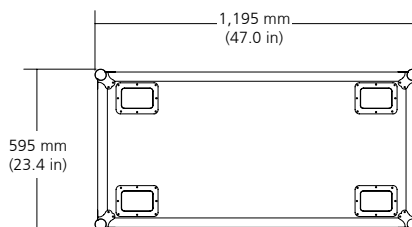
Additional Accessories

Model Number	Description
ACC-LSP-CAM	RigPOV accessory, existing fixture install lkit (For installation by experienced technicians only)
OB107-1	Omega bracket, 107 mm single-hole, black (included)
OB107-3	Omega bracket, 107 mm three-hole, black
T1PA-A	Fixture Power Cord Upgrade, 5 ft TRUE1 TOP to Parallel Blade U-Ground (Edison)
T1PA-SP	Fixture Power Cord Upgrade, Stage Pin to powerCON TRUE1 TOP, 20 A
T1PA-L620	Fixture Power Cord Upgrade, L6-20 to powerCON TRUE1 TOP, 20 A
T1PA-L520	Fixture Power Cord Upgrade, L5-20 to powerCON TRUE1 TOP, 20 A
MEGA-CLW	MegaClaw™
HALF-COU	Half-Coupler, 2" Alloy, Truss Clamp
MINI-CLW	Mini-Claw™

Molded Case Insert Dimensions



Optional Roadcase Dimensions



Case Weight:
90.5 kg (200 lb)
Includes 3 Molded Inserts and no Fixtures



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