



TA100ZC

100W RGBL COLOR MINI FRESNEL

The Eagle Lite TA100ZC is a compact and high-performance RGBL Fresnel fixture designed for professional stage, broadcast, theatre, and installation use. Powered by a 100W RGBL LED engine, it delivers smooth color mixing with high saturation, extended color gamut, and improved white balance thanks to the integrated Lime channel. The manual zoom range of 25°–60° allows precise beam shaping, from tight, focused output to wide and even washes, making it suitable for a broad range of lighting applications.

Flicker-free operation, selectable PWM frequencies, and smooth 16-bit dimming ensure reliable performance in camera-critical environments. Advanced color control provides accurate rendering of both saturated colors and softer pastel tones.

Control options include DMX512 and RDM, allowing seamless integration into both simple and complex lighting systems. The fixture is equipped with TRUE1 IN & TRUE1 OUT for reliable power linking, as well as 3-pin and 5-pin DMX IN/OUT, ensuring compatibility across touring and fixed installations.

Housed in a lightweight aluminum enclosure with active temperature-controlled fan cooling, the TA100ZC maintains stable output while keeping noise levels low. With its compact form factor, balanced yoke, and compatibility with barndoors and filter frames, the TA100ZC offers a precise and flexible Fresnel solution where color control and consistency are essential.

- 100W RGBL LED engine for vivid colors and high output
- Full RGBL color mixing for saturated colors and clean whites
- High Color Rendering: CRI ≥ 88
- Manual Zoom Range: 25°–60°
- Smooth and Precise Fresnel Beam
- Flicker-Free Operation for Camera Use
- Selectable PWM for Broadcast Applications
- DMX512 & RDM Control
- Local Rotary Control with Display
- Multiple DMX Channel Modes (1/2/3/5 ch)
- Smart Temperature control
- TRUE1 Power IN & OUT
- 3-Pin DMX IN & OUT (5-pin optional)
- Special Low noise fans Design
- Lightweight Housing



RGBL Color Mixing



LED 100W RGBL	 MANUAL ZOOM 25-60°
CRI ≥ 85	 FLICKER FREE
 IP20	 DMX/RDM
UK CA	CE



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SPECIFICATION SHEET

OPTICAL PARAMETERS

Main LED:	100W RGBL LED engine
Color Temperature (CCT):	2700K – 6500K (Built in preset's)
Source Life Expectancy:	50,000 Hours
Beam Angle:	25°–60° (manual zoom)
Lens Type:	Fresnel lens
Color Rendering:	CRI ≥85
Dimming:	16-bit 0–100% smooth, flicker-free dimming
Selectable PWM:	Adjustable for camera and broadcast applications

DYNAMIC EFFECTS

Dimming:	0–100% smooth dimming (flicker-free)
Dimming Resolution:	16-bit Dimming
Dimmer Curves:	Selectable dimmer curves
Stand-Alone Mode:	Selection of color and dimmer with rotary buttons
PWM / Refresh:	Adjustable PWM for camera and broadcast use
CTC Preset:	CTC Preset Built in
Shutter/Strobe:	1 – 20 Hz
Thermal Protection:	Integrated temperature protection

PHYSICAL

Ingress Protection Rating:	IP20, Indoor/dry
Cooling:	Special Lownoise Fans
Signal connection:	3-Pin XLR IN/THRU (5 pin optional)
Power connection:	Seetronic True1 IN/THRU
Mounting:	Adjustable yoke and with multiple mouting points.
Housing:	Aluminum
Color:	Black (RAL-9004)
Dimensions (WxHxD)mm:	165 x 262 x 203.5
Weight:	2,3kg(Barn Doors Included)

COLOR SYSTEM

Color Mixing:	RGBL (with Lime for extended gamut and improved whites)
Macros:	CTO Presets Selectable via DMX or local control

ELECTRICAL

Input Voltage:	100–240V – 50/60Hz
Max Power Consumption:	110W / 0.48A @ 230V
Power factor:	>0.96
Inrush current:	40 A, 375 μs
Standby Power consumption:	10.0W
Thermal Protection:	Integrated temperature protection
Operating Temperature:	-10°C to +50°C

CONTROL

Protocols:	DMX512 & RDM
DMX channels:	3 / 4a / 4b / 4c / 5 / 6 / HSV 3 / 11CH
User Interface:	Rear-panel display with rotary encoder
LED Color Calibration:	Yes
Standalone Operation:	Local control without external controller

OPTIONAL ACCESSORIES:

4in1/6in1/8in1 FlightCase made in EU	Power Linking Cables
Barn Doors	Selflock Couplers
Filter Frame	Omega Bracket

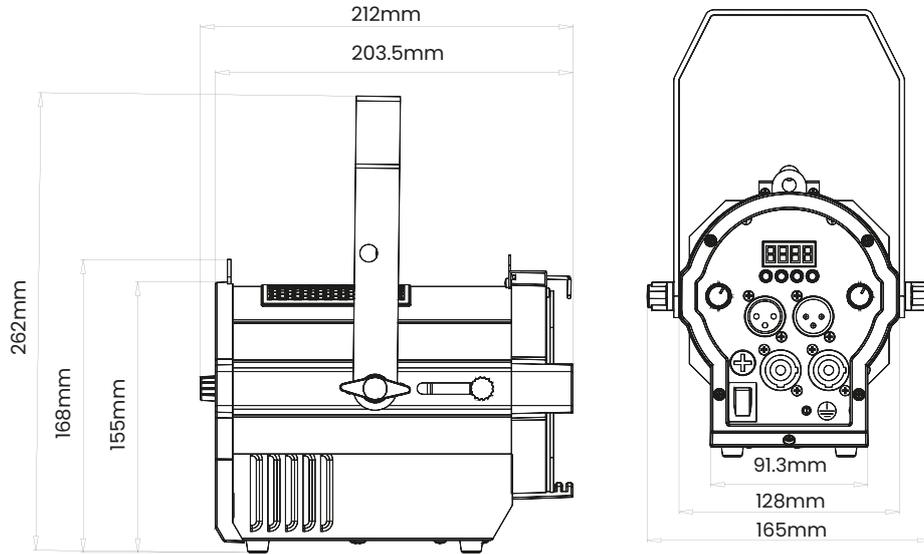




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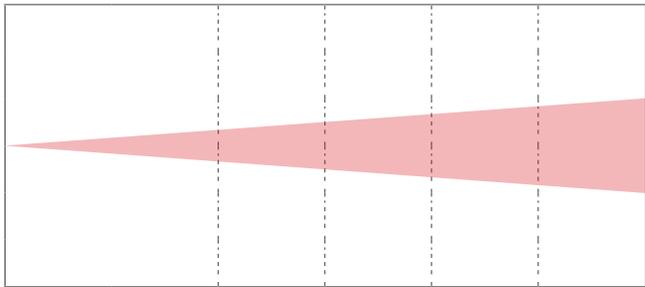
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SIZE



PHOTOMETRIC

R(lx)						R(lx)	223	98.8	60.9	39.9	25.9
G(lx)	3310	1470	878	565	368	G(lx)	541	246	154	101	68.7
B(lx)	500	222	131	83.8	53.8	B(lx)	81.4	36.5	22.8	15.8	9.9
W(lx)	2690	1180	676	427	277	W(lx)	406	183	115	75.8	50.7
Full on(lx)	1800	797	477	304	197	Full on(lx)	285	129	80.6	53	36.1



Distance(m)

2

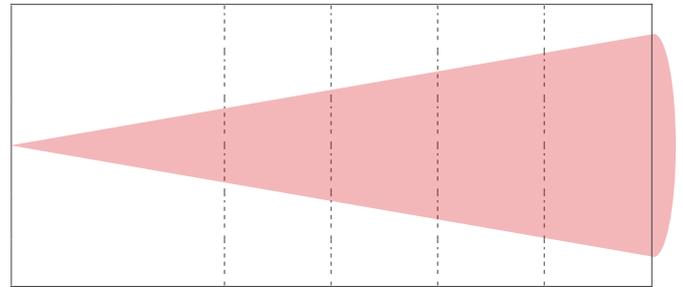
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4

5

6

BEAM ANGLE 25°



Distance(m)

2

3

4

5

6

BEAM ANGLE 60°

