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ColorBlaze TR4

RGBA

Enhanced theatrical and rental LED batten with intelligent RGBA light

The four channel ColorBlaze TR4 family extends the range and flexibility of the popular line of high-performance, touring and rental battens from Philips Color Kinetics. These intelligent RGBA fixtures offer an expanded palette of intensely saturated full-color light output in two different beam angles. On-board controls feature a range of new functions, including 8- and 16-bit resolution, a configurable intensity channel, transition speeds, dimming curves, improved color consistency with Chromasync technology, and four built-in lighting effects.

- Expanded color palettes — Channels of amber LEDs seamlessly blend with red, green, and blue LEDs to produce significantly expanded color palettes. In addition to the millions of saturated colors achievable with standard RGB lighting fixtures, RGBA fixtures create intense yellow and gold hues that are hard to obtain on RGB fixtures.
- Flexible color control — Choose from four-channel RGBA in / out and three-channel RGB in mapped to four-channel RGBA out.
- Built-in effects — Offers Fixed Color, Color Wash, Chasing Rainbow, and Random Color effects, without the need for an external controller.
- Control options — Master / slave mode lets you configure a ColorBlaze TR4 to act as a master controller for other fixtures in a run.

For detailed product information, please refer to the ColorBlaze Product Guide at www.colorkinetics.com/ls/rgb/colorblaze-tr4/

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	1.2 m (4 ft) fixture	1.8 m (6 ft) fixture
Output	Beam Angle	10° / 18°	
	Lumens*	7805 (10°) 7888 (18°)	11707 (10°) 11832 (18°)
	LED Channels	Red / Green / Blue / Amber	
	Mixing Distance	6 in (152 mm) to uniform light	
	Lumen Maintenance†	109,000 hours L70 @ 50° C 109,000 hours L70 @ 25° C	
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz	
	Power Consumption	230 W maximum at full output, steady state	340 W maximum at full output, steady state
Control	Interface	DMX	
	Control System	Philips full range of controllers, including ColorDial Pro, Light System Manager, and iPlayer 3, or third-party controllers	
Physical	Dimensions <i>Height x Width x Depth</i>	191 x 1150 x 197 mm (7.5 x 45.3 x 7.7 in)	191 x 1746 x 197 mm (7.5 x 68.7 x 7.7 in)
	Weight	13.2 kg (29.1 lb)	18.6 kg (41 lb)
	Housing	Extruded aluminium, black finish	
	Lens	Clear polycarbonate	
	Fixture Connections	IEC power cable, RJ45, Ethercon, or XLR-5 data connections	
	Temperature Ranges	-40° – 50° C (-40° – 122° F) Operating -20° – 50° C (-4° – 122° F) Startup -40° – 80° C (-40° – 176° F) Storage	
	Humidity	0 – 95%, non-condensing	
Certification and Safety	Certification	UL / cUL, CE, FCC Class A	
	Environment	Dry Location, IP20	

* Lumen measurement complies with IES LM-79-08.

† L70 = 70% lumen maintenance (when light output drops below 70% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information

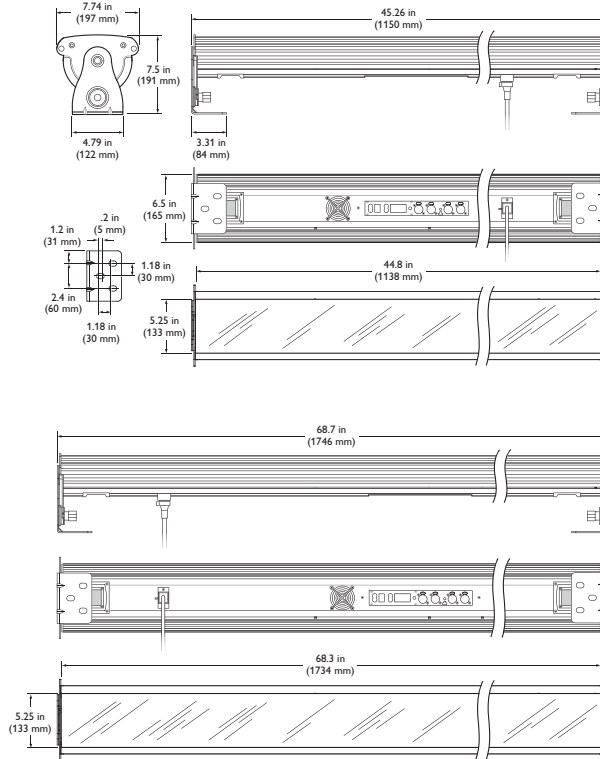


PHILIPS

Fixtures and Beam Angles

Fixture	Beam Angle	Item Number	Philips 12NC
1.2 m (4 ft) RGBA fixture	10°	116-000032-00	910503704673
	18°	116-000030-00	910503704669
1.8 m (6 ft) RGBA fixture	10°	116-000033-00	910503704675
	18°	116-000031-00	910503704671

Use Item Number when ordering in North America.



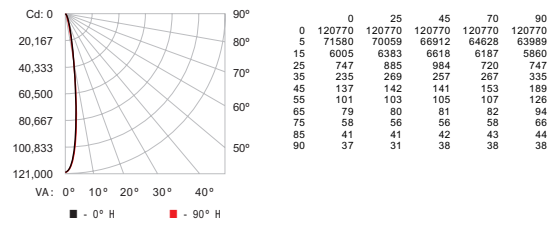
Replacement Parts

Fixture	Item Number	Philips 12NC
Power supply	120-000180-00	912400130314
Fan assembly	120-000181-00	912400130315
Controller panel assembly, 1.2 m (4 ft)	120-000182-01	912400130317
Controller panel assembly, 1.8 m (6 ft)	120-000182-02	912400130318
RGBA LED replacement board, 18°	120-000183-00	912400130319
RGBA LED replacement board, 10°	120-000184-00	912400130321
ColorBlaze clear lens kit, 1.2 m (4 ft)	120-000047-00	910503700138
ColorBlaze clear lens kit, 1.8 m (6 ft)	120-000048-00	910503700139
Mounting Bracket Kit	120-000049-01	910503700140
Bracket Handles Kit (Black)	120-000050-01	910503700393
T-Handle Style Mounting Bracket (Black)	120-000051-00	910503700142
T-Handle Style Mounting Bracket, Handle Kit (Black)	120-000052-00	910503700143
IEC Connector Kit	120-000053-00	910503700144

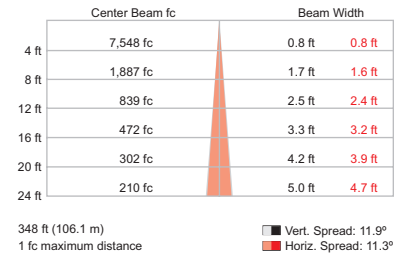
Use Item Number when ordering in North America.

ColorBlaze TR4, 1.2 m (4 ft), RGBA, 10° Beam Angle

Polar Candela Distribution



Illuminance at Distance

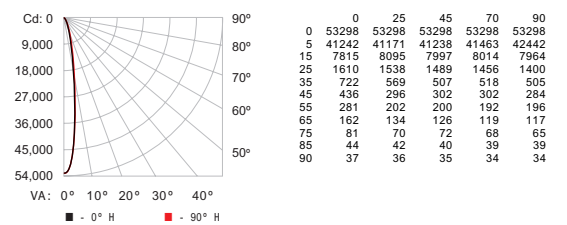


For lux multiply fc by 10.7

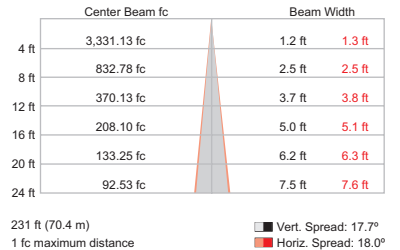
Lumens	Efficacy
7805	35.2 lm / W

ColorBlaze TR4, 1.2 m (4 ft), RGBA, 18° Beam Angle

Polar Candela Distribution



Illuminance at Distance



For lux multiply fc by 10.7

Lumens	Efficacy
7888	35.6 lm / W



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