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# ColorBlaze TR4

## RGBW

Enhanced theatrical and rental LED batten with intelligent RGBW 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 RGBW 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 neutral white LEDs seamlessly blend with channels of red, green, and blue LEDs. In addition to the millions of saturated colors achievable with standard RGB lighting fixtures, RGBW fixtures provide an extended range of subtle pastel colors.
- Flexible color control — Choose from four-channel RGBW in / out and three-channel RGB in mapped to four-channel RGBW 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/](http://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*	8023 (10°) 8460 (18°)	12034 (10°) 12690 (18°)
	LED Channels	Red / Green / Blue / White	
	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 Height x Width x Depth	191 x 1150 x 197 mm (7.5 x 68.7 x 7.74 in)	191 x 1746 x 197 mm (7.5 x 68.7 x 7.74 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	
Certification and Safety	Humidity	0 – 95%, non-condensing	
	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](http://www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf) for more information

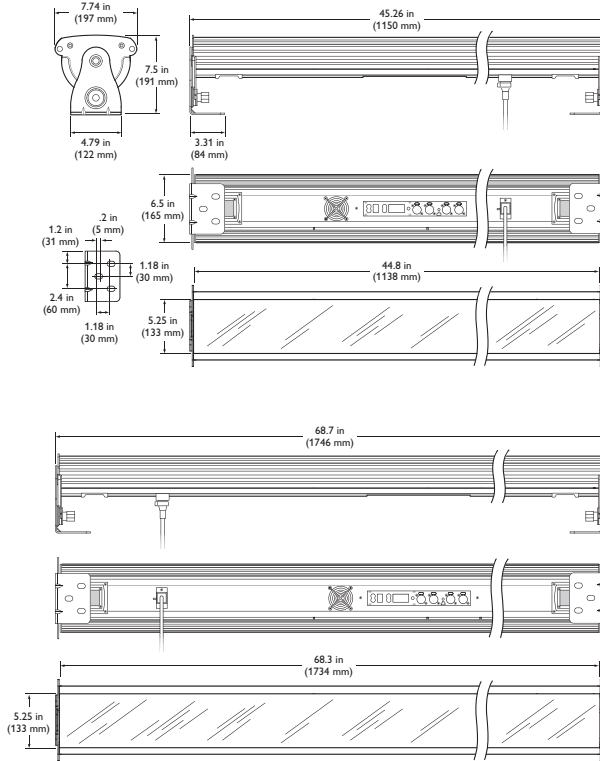


**PHILIPS**

## Fixtures

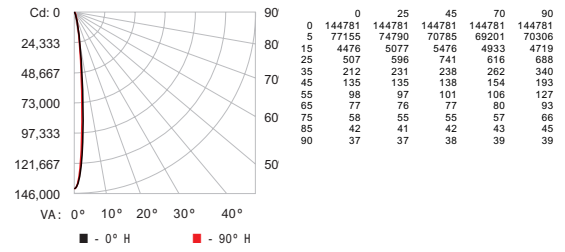
Fixture	Beam Angle	Item Number	Philips 12NC
1.2 m (4 ft) RGBW fixture	10°	116-000032-01	910503704674
	18°	116-000030-01	910503704670
1.8 m (6 ft) RGBW fixture	10°	116-000033-01	910503704676
	18°	116-000031-01	910503704672

Use Item Number when ordering in North America.

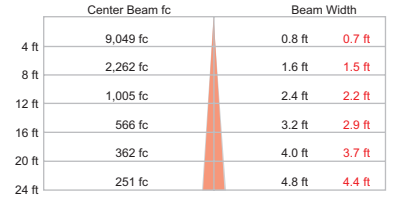


## ColorBlaze TR4, 1.2 m (4 ft), RGBW, 10° Beam Angle

### Polar Candela Distribution



### Illuminance at Distance



381 ft (116.1 m)  
1 fc maximum distance

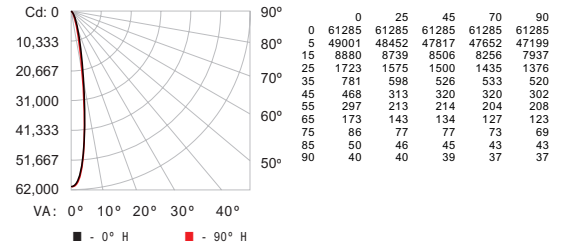
■ Vert. Spread: 11.4°  
 ■ Horiz. Spread: 10.5°

Lumens	Efficacy
8023	36.4 lm / W

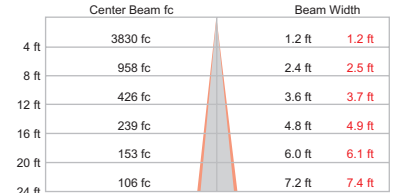
For lux multiply fc by 10.7

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

### Polar Candela Distribution



### Illuminance at Distance



248 ft (75.6 m)  
1 fc maximum distance

■ Vert. Spread: 17.1°  
 ■ Horiz. Spread: 17.5°

Lumens	Efficacy
8460	38.3 lm / W

For lux multiply fc by 10.7

## 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
RGBW LED replacement board, 18°	120-000183-01	912400130320
RGBW LED replacement board, 10°	120-000184-01	912400130322
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	120-000050-01	910503700393
T-Handle Style Mounting Bracket (Black)	120-000051-00	910503700142
T-Handle Style Mounting Bracket, Handle Kit	120-000052-00	910503700143
IEC Connector Kit	120-000053-00	910503700144

Use Item Number when ordering in North America.



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