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Type: \_\_\_\_\_  
Firm Name: \_\_\_\_\_  
Project: \_\_\_\_\_



# ColorBlaze 72

RGB, 10° Beam Angle

Industry-standard theatrical and rental LED batten with intelligent color light

ColorBlaze is a robust, high-performance linear LED fixture for washing large areas with far-reaching, rich, saturated colors. With a rugged, extruded aluminum housing, ColorBlaze is designed to withstand the rigors of the touring and rental market. Integrated power supplies eliminate the need for additional equipment, push button addressing capabilities simplify configuration and installation, and locking mounting brackets allow for flexible mounting to pipes or surfaces, making ColorBlaze an easy-to-use yet powerful solution for theaters, TV studios, concerts, events, casinos, and exhibits. To support dynamic, color-changing effects, each ColorBlaze fixture is controllable in 152 mm (6 in) segments.

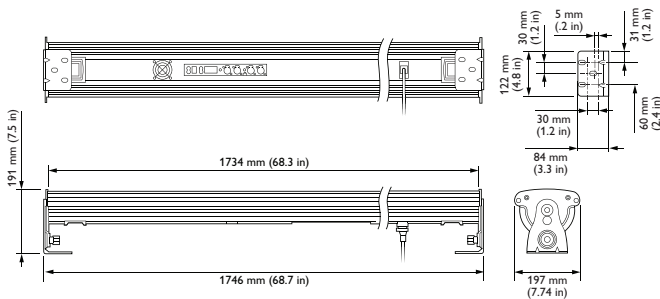
# ColorBlaze 72

Industry-standard theatrical and rental LED batten with intelligent color light

- Two fixture lengths—Available in two fixture lengths, ColorBlaze 72 (1.8 m, 6 ft) and ColorBlaze 48 (1.2 m, 4 ft), each controllable in 152 mm (6 in) segments.
- Universal, integrated power supply—Auto-switching power supply accepts power input of 110–240 VAC, eliminating the need for additional equipment and enabling consistent use around the world.
- Push button addressing and configuration—Onboard addressing offers easy configuration without external addressing tools.
- Industry-leading controls—ColorBlaze works with the complete Philips line of controllers, including ColorDial Pro, iPlayer 3, and Light System Manager, as well as third-party controllers. Fixtures can be connected in series of up to 300 m (1,000 ft) using any combination of RJ45, Ethercon, and XLR-5 data cables.
- High-intensity, saturated color output—RGB color mixing provides 16.7 million colors with variable intensity. Each 152 mm (6 in) segment has an output of over 450 lumens.
- Simple light positioning—Mounting brackets and locking knobs enable 180° rotation, adjustment, and locking without special tools.
- Versatile mounting options and accessories—Clamp-mount ColorBlaze to pipes or trusses, or mount directly to a surface. An optional T-handle mounting bracket is available for special mounting situations. Accessory holders, spread lenses, and other custom accessories specifically designed for ColorBlaze are available from City Theatrical Inc.
- Additional stage-friendly features—Onboard cooling fan and thermal sensor prevent overheating. A full range of replacement parts is available to keep ColorBlaze fixtures in service for the long haul.
- Flexible Configuration—ColorBlaze fixtures can be configured to work in unison or independently to display dynamic, color-changing effects. Each fixture can be set to have one or more individually controllable segments.

For detailed product information, please refer to the ColorBlaze 72 Product Guide at [www.colorkinetics.com/ls/rgb/colorblaze/](http://www.colorkinetics.com/ls/rgb/colorblaze/)

## Dimensions



## Specifications

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

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### ColorBlaze 72

RGB, 10° Beam Angle

#### Output

Beam Angle	10°
Lumen <sup>†</sup>	5,562
Efficacy (lm/W)	13.2
LED Channels	Red/Green/Blue
Mixing Distance	152 mm (6 in) to uniform light

#### Electrical

Input Voltage	100–240 VAC, auto-switching, 50/60 Hz
Power Consumption <i>(Maximum at full output, steady state)</i>	420 W

#### Control

Interface	DMX
Control System	Philips Color Kinetics full range of controllers, including Light System Manager, Video System Manager Pro, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, or third-party controllers

#### Lumen Maintenance

Threshold <sup>§</sup>	Ambient Temperature	Reported <sup>¶</sup>	Calculated <sup>¶</sup>
L <sub>50</sub>	50° C	50,000	

#### Physical

Dimensions <i>(Height x Width x Depth)</i>	191 x 1746 x 165 mm (7.5 x 68.7 x 6.5 in)
Weight	27.2 kg (60 lb)
Housing Material	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

Approbation	UL/cUL, FCC Class A, CE, CQC, PSE
Environment	Dry Location, IP20



<sup>†</sup> Lumen output measurements comply with IES LM-79-08 testing procedures.

<sup>§</sup> L<sub>xx</sub> = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B10, or the median value where 90% of the LED population is better than the reported or calculated lumen maintenance measurement.

<sup>¶</sup> Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, Reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.

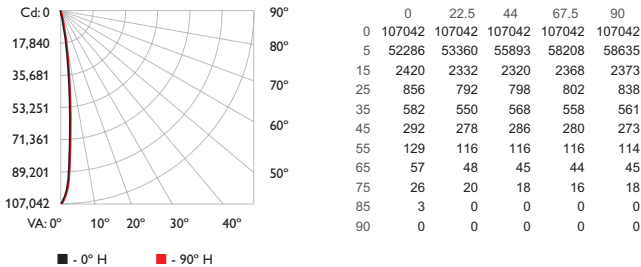
# ColorBlaze 72 Photometrics 72 inch, 10° beam angle (Figures scaled based on ColorBlaze 48 photometrics)

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at [www.philipscolorkinetics.com/support/ies](http://www.philipscolorkinetics.com/support/ies).

Beam Angle	10°
LED	RGB
Lumens	5,562
Efficacy (lm/W)	13.2



## Polar Candela Distribution



## Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	4,805.8	86.4%	86.5%
0-40	5,157.3	92.7%	92.9%
0-60	5,482.8	98.6%	98.7%
60-90	71.7	1.3%	1.3%
0-90	5,554.5	99.9%	100%
90-180	0	0%	0%
0-180	5,554.5	99.9%	100%
Total Efficiency: 99.9%			

## Illuminance at Distance

	Center Beam fc	Beam Width
3.0 ft	9634 fc	0.6 ft 0.6 ft
6.7 ft	2408 fc	1.1 ft 1.3 ft
10.0 ft	1070 fc	1.7 ft 1.9 ft
13.3 ft	602 fc	2.3 ft 2.5 ft
16.7 ft	385 fc	2.9 ft 3.1 ft
20.0 ft	268 fc	3.4 ft 3.8 ft

99.7 m (327.0 ft)  
1 fc maximum distance

■ Vert. Spread: 9.9°  
■ Horiz. Spread: 10.8°

## Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%											
RCC %:		80	70	50	30	10	0						
RW %:		70	50	30	10	0	0	70	50	30	10	0	0
RCR:		0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11
1	1.15	1.13	1.11	1.10	1.10	1.13	1.11	1.09	.97	1.07	1.06	1.05	1.03
2	1.12	1.08	1.05	1.03	1.09	1.06	1.04	.94	1.03	1.01	1.00	1.00	.99
3	1.08	1.04	1.00	.98	1.07	1.03	.99	.92	1.00	.98	.96	.98	.96
4	1.05	1.00	.97	.94	1.04	.99	.96	.90	.97	.95	.92	.96	.93
5	1.03	.97	.94	.91	1.01	.97	.93	.88	.95	.92	.90	.93	.91
6	1.00	.95	.91	.88	.99	.94	.91	.86	.93	.90	.87	.92	.89
7	.98	.92	.89	.86	.97	.92	.88	.85	.91	.88	.86	.90	.87
8	.96	.91	.87	.84	.95	.90	.87	.83	.89	.86	.84	.88	.85
9	.95	.89	.85	.83	.94	.88	.85	.82	.88	.85	.82	.87	.84
10	.93	.87	.84	.82	.92	.87	.84	.81	.86	.83	.81	.85	.83

RCC %: Ceiling reflectance percentage, RW %: Wall reflectance percentage, RCR: Room cavity ratio

For lux multiply fc by 10.7

## Fixture and Accessories

Use Item Number when ordering in North America.

Fixture	Item Number	Philips 12NC
ColorBlaze 72 RGB, 10° Beam Angle	116-000021-00	910503700614
<b>Accessories</b>		
Standard Accessory Holder, White	120-000001-00	—
Standard Accessory Holder, Black	120-000001-01	—
Pro Series Accessory Holder, White	120-000001-02	—
Pro Series Accessory Holder, Black	120-000001-03	—
36°/50° Horizontal, Glass Spread Lenses, (4) 432 mm (17 in) Sections	120-000023-00	—
40°/40° Horizontal, Glass Spread Lenses, (4) 432 mm (17 in) Sections	120-000023-01	—
<b>Replacement Parts</b>		
Power Supply Without Thermal Sensor	120-000041-00	910503700131
Power Supply With Thermal Sensor	120-000042-00	910503700132
Fan	120-000043-00	910503700133
Air Inlet Filter	120-000044-00	910503700134
Controller Panel 72	120-000045-01	910503700136
LED Board, Cree 7090	120-000046-01	910503700137
LED Board, Cree 7090 XR-E	120-000073-00	910503700615
LED Board, Luxeon	120-000046-00	—
IEC Connector	120-000053-00	910503700144
Clear Lens 72	120-000048-00	910503700139
Mounting Bracket, Brackets and Handles	120-000049-01	910503700140
Mounting Bracket, Handles only	120-000050-00	910503700141
T-Handle Style Mounting Bracket, Brackets and Handles	120-000051-00	910503700142
T-Handle Style Mounting Bracket, Handles only	120-000052-00	910503700143

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