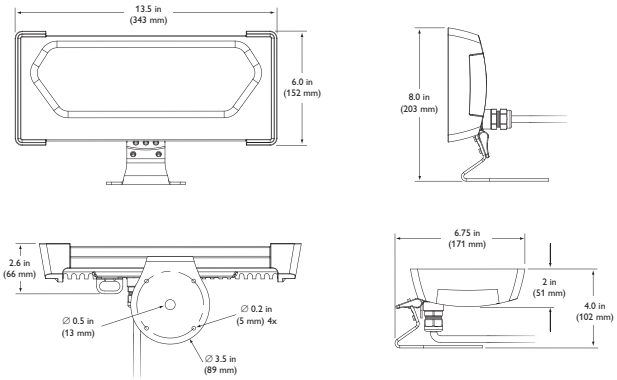
Date: _____ Type: _____

Firm Name: _____

Project: _____

ColorBlast TR

Industry-standard theatrical and rental LED wash fixture with intelligent color light



ColorBlast TR is a rugged, full-color LED fixture designed specifically to withstand taxing stage, set, and touring environments. This rental-friendly fixture offers ease of installation and control, along with the ability to produce millions of saturated colors without gels or filters. It features a built-in power cable that can be extended up to 60 ft (18 m) with a standard 4-pin XLR patch cable, an elastomeric sleeve to protect the fixture from rough handling, and a pivoting bezel for easy exchange of lenses. An industrial-grade hinge affords quick and reliable fixture aiming and locking. The mounting base easily accommodates truss clamps and other mounting and positioning options. Designed with live entertainment in mind, ColorBlast TR is the ideal color-changing LED fixture for demanding temporary and touring environments.

- Pivoting bezel and exchangeable lenses — The pivoting bezel and included 23° soft-focus and 10° clear tempered glass lenses let you switch quickly between soft-edge wash lighting and extended beam projection.
- Quick fixture aiming and locking — An industrial-grade constant torque hinge offers stable, 110° fixture tilting for quick and dependable aiming. Standard set screws let you lock the fixture in position without special tools.
- Versatile mounting options — The pre-assembled mounting base offers a range of options for mounting on the floor or various stage truss clamps. An integral safety bracket lets you easily attach a safety cable.
- On-board temperature monitoring — A compensation circuit prevents damage to the fixture if operating temperatures rise to unsafe levels. An auto-cycling feature automatically restores normal operation after 30 minutes.
- Innovative protective sleeve — Because stage and set environments can take their toll on equipment, ColorBlast TR features an innovative elastomeric sleeve to protect the fixture and lens from the rigors of multiple setups and teardowns.
- Accessories and additional spread lenses — City Theatrical Inc. offers a line of accessories designed for ColorBlast TR, including top hats, half top hats, barndoors, egg crate louvers, glass spread lenses, and polycarbonate holographic lenses.
- Industry-standard power and control — ColorBlast TR works seamlessly with the full range of Philips controllers, including Light System Manager and iPlayer 3, or third-party controllers. City Theatrical Inc. offers a line of power / data supplies specifically designed for use with ColorBlast TR fixtures.

For detailed product information, please refer to the ColorBlast TR Product Guide at www.philipscolorkinetics.com/ls/rgb/colorblast12tr/

PHILIPS

Specifications

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

Item	Specification	10° Clear Lens	23° Frosted Lens
	Lumens*	960	859
	LED Channels	Red / Green / Blue	
	Mixing Distance	6 in (152 mm) to uniform light	
	Lumen Maintenance†	50,000+ hours L_{50} @ 50° C (ambient) full output	
Electrical	Input Voltage	24 VDC via PDS-750 TRX, PDS-375 TRX, PDS-150e, or PDS-60	
	Power Consumption	50 W maximum at full output, steady state	
Control	Interface	DMX via power / data supply Fixture firmware addressable 8- or 16-bit control	
	Control System	Philips full range of controllers, including Light System Manager and iPlayer 3, or third-party controllers	
Physical	Dimensions *(Height x Width x Depth)*	8 x 13.5 x 2.6 in (203 x 343 x 66 mm)	
	Weight	6.4 lb (2.9 kg)	
	Housing	Die-cast aluminium, powder-coated black finish	
	Lens	Clear glass	Frosted glass
	Fixture Connections	6 ft (1.8 m) power / data cable with 4-pin XLR connector	
	Temperature Range	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage	
	Humidity	0 – 95%, non-condensing	
	Maximum Cable Length	60 ft (18 m), with extension to built-in 6 ft (1.8 m) power cable	
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, PSE, C-Tick, SAA	
	Environment	Dry Location, IP20	

* Lumen measurement complies with IES LM-79-08

† L_{50} = 50% lumen maintenance (when light output drops below 50% 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.

Fixtures and Accessories

* Intended for use with Blast fixtures with 10° clear lens

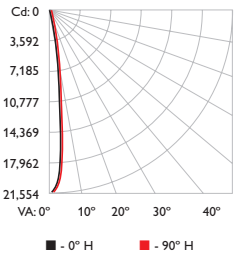
Item	Item Number	Philips 12NC
ColorBlast TR	116-000023-00	910503700581
Replacement Protective Sleeve	120-000062-00	910503700370
Replacement Mounting Base	120-000060-00	910503700369
Replacement Lenses (23° frosted glass and 10° clear glass)	120-000066-00	910503700367
PDS-375 TRX	109-000030-01	910503702284
PDS-750 TRX	109-000030-00	910503702319
SmartJack Pro	103-000024-00	910503700582
Accessory Holders: Black	120-000003-04	910503702840
Half Top Hats: Black	120-000009-04	910503702848
Top Hats: Black	120-000005-04	910503702844
Egg Crate Louvers: Black	120-000015-04	910503702852
Barndoors: Black	120-000019-04	910503702856
Horizontal Spread Lens:* 36° (ribs out) / 50° (ribs in)	120-000025-00	910503703897
Horizontal / Vertical Spread Lens*: 40° / 40°	120-000025-01	910503703898

Use Item Number when ordering in North America.

Photometrics

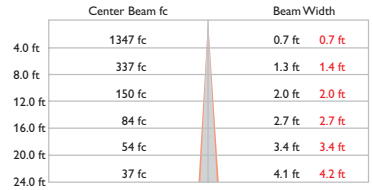
10° clear lens

Polar Candela Distribution



	0	22.5	44	67.5	90
0	21554	21554	21554	21554	21554
5	10191	10254	10341	10309	10208
15	400	402	401	389	383
25	135	127	130	128	128
35	98	99	101	99	99
45	40	43	47	47	47
55	12	11	13	14	14
65	3	3	3	4	4
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



147 ft (44.8 m)
1 fc maximum distance

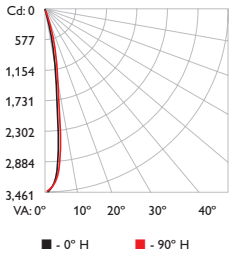
Vert. Spread: 9.6°
Horiz. Spread: 9.7°

LED	Lumens	Efficacy
RGB	960	13.7

For lux multiply fc by 10.7

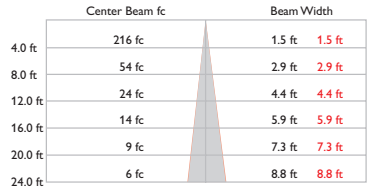
23° frosted lens

Polar Candela Distribution



	0	22.5	44	67.5	90
0	3456	3456	3456	3456	3456
5	2894	2892	2899	2907	2903
15	963	963	961	959	954
25	303	301	300	299	298
35	135	135	134	134	134
45	71	71	72	72	73
55	38	38	40	40	40
65	19	19	20	21	22
75	5	6	7	8	8
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



58.7 ft (17.9 m)
1 fc maximum distance

Vert. Spread: 20.7°
Horiz. Spread: 20.7°

LED	Lumens	Efficacy
RGB	859	12.3

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