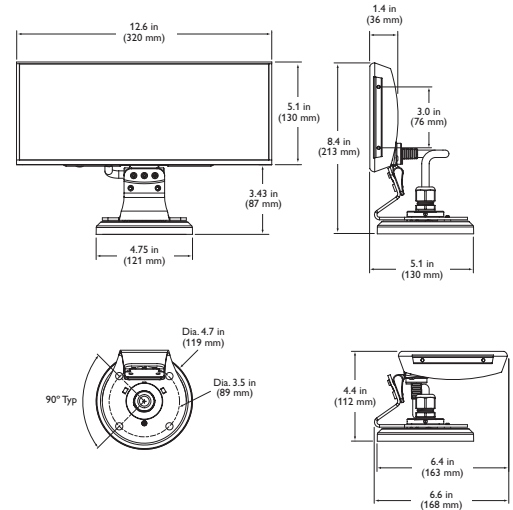# ColorBlast 12

22° frosted lens

The original exterior LED wash fixture with intelligent color light

High-performance ColorBlast 12 LED fixtures generate rich, saturated colors and color-changing effects for a range of wall-washing and floodlighting applications. Designed with the needs of lighting designers, architects, and retail window directors in mind, ColorBlast 12 can be used in both indoor and outdoor installations. High-intensity LEDs produce superior light output of up to 1207 lumens. ColorBlast 12 also offers full pan and tilt rotation, flexible mounting options, two beam angles, and superior control through Philips or third-party controllers.

- Two beam patterns — A frosted glass lens (22° beam angle) produces a soft-edge beam, while a clear glass lens (10° beam angle) affords extended light projection.

- Outdoor rated — Fully sealed for maximum fixture life and IP66-rated for outdoor applications, ColorBlast 12 fixtures meet or exceed specifications for use in wet locations. Rugged, die-cast aluminum housing is available in white or black powder-coated finish.

- Flexible mounting options — The versatile fixture canopy base can be mounted to a junction box or directly to a wall, ceiling, or floor. A liquid-tight cable fitting seals the canopy opening for use in damp or wet environments.

- Versatile light positioning — The locking canopy base offers friction-free rotation of up to 350°, and 110° fixture tilting lets installers quickly aim the fixture without special tools.

- Unified power and data cable — Each ColorBlast 12 fixture comes with a 60 ft (18.3 m) unified power and data cable to minimize wiring. ColorBlast 6 is intended for use with PDS-150e and PDS-60 24V power / data supplies.

- Industry-leading controls — ColorBlast 12 fixtures work seamlessly with the complete line of Philips Color Kinetics controllers, including iPlayer 3 Light System Manager, and ColorDial Pro, as well as third-party controllers.

- Additional options for controlling and dispersing light — Designed specifically for the family of ColorBlast fixtures by City Theatrical, Inc., accessories include top hats, half top hats, egg crate louvers, barndoors, and horizontal and vertical spread lenses.

For detailed product information, please refer to the ColorBlast 6 / ColorBlast 12 Product Guide at www.philipscolorkinetics.com/ls/colorblast12/

PHILIPS

Specifications

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

Item	Specification	Details
Output	Beam Angle	22°
	Lumens*	1090
	LED	Red / Green / Blue
	Mixing Distance	6 in (152 mm) to uniform light
	Lumen Maintenance†	50,000+ hours L$_{50}$ @ 50° C (full output)
Electrical	Input Voltage	24 VDC via PDS-150e or PDS-60
	Power Consumption	50 W maximum at full output, steady state
Control	Interface	PDS-150e 24V (DMX / Ethernet) PDS-60 24V (Pre-programmed or DMX / Ethernet)
	Control System	Philips full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
Physical	Dimensions (Height x Width x Depth)	8.4 x 12.6 x 5.1 in (213 x 320 x 130 mm)
	Weight	4.2 lb (1.9 kg)
	Housing	Die-cast aluminium, black or white powder-coated finish
	Lens	Frosted glass
	Fixture Connections	60 ft (18.3 m) unified power / data cable
	Temperature Ranges	-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 Fixtures Per Power / Data Supply	PDS-150e 24V: 3 PDS-60 24V: 1
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, PSE, C-Tick, SAA, CQC
	Environment	Dry / Damp / Wet Location, IP66

* 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.

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Fixtures and Power / Data Supplies

Item	Type		Item Number	Philips 12NC
ColorBlast 12	White	22° beam angle	116-000025-00	910503700589
		10° beam angle	116-000025-02	910503700591
	Black	22° beam angle	116-000025-01	910503700590
		10° beam angle	116-000025-03	910503700592
PDS-150e 24V	DMX / Ethernet		109-000008-01	910503700092
PDS-60 24V	Pre-programmed		109-000017-00	910503700096
	DMX / Ethernet		109-000017-03	910503700097

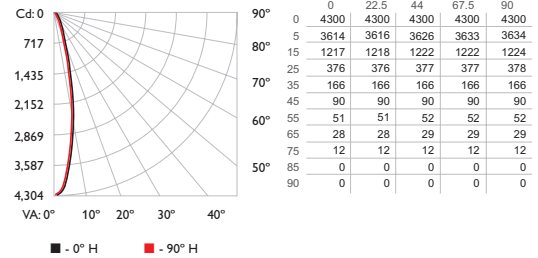Use Item Number when ordering in North America.

Photometrics
22° frosted lens

Polar Candela Distribution

	0	22.5	44	67.5	90
0	4300	4300	4300	4300	4300
5	3614	3616	3626	3633	3634
15	1217	1218	1222	1222	1224
25	376	376	377	377	378
35	166	166	166	166	166
45	90	90	90	90	90
55	51	51	52	52	52
65	28	28	29	29	29
75	12	12	12	12	12
85	0	0	0	0	0
90	0	0	0	0	0

■ - 0° H   ■ - 90° H

Illuminance at Distance

	Center Beam fc	Beam Width	
4.0 ft	269 fc	1.5 ft	1.5 ft
8.0 ft	67 fc	3.0 ft	3.0 ft
12.0 ft	30 fc	4.4 ft	4.5 ft
16.0 ft	17 fc	5.9 ft	5.9 ft
20.0 ft	11 fc	7.4 ft	7.4 ft
24.0 ft	7 fc	8.9 ft	8.9 ft

65.5 ft (19.9 m)
1 fc maximum distance

■ Vert. Spread: 20.9°
■ Horiz. Spread: 21.0°

For lux multiply fc by 10.7
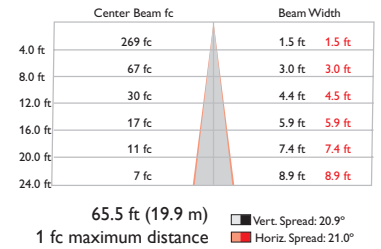
LED	Lumens	Efficacy
RGB	1090	15.3

Accessories

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

Item	Type	Item Number	Philips 12NC
Accessory Holders	White	120-000003-03	910503702839
	Black	120-000003-04	910503702840
Half Top Hats	White	120-000009-03	910503702847
	Black	120-000009-04	910503702848
Top Hats	White	120-000005-03	910503702843
	Black	120-000005-04	910503702844
Egg Crate Louvers	White	120-000015-03	910503702851
	Black	120-000015-04	910503702852
Barndoors	White	120-000019-03	910503702855
	Black	120-000019-04	910503702856
Horizontal Glass Spread Lens*	36° (ribs out) 50° (ribs in)	120-000025-00	910503703897
Horizontal / Vertical Glass Spread Lens*	40°	120-000025-01	910503703898

Use Item Number when ordering in North America.