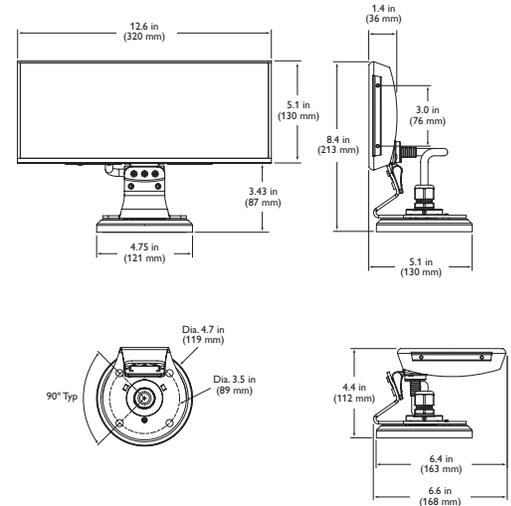# ColorBlast 12

## 10° clear 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 | 10° |
| | Lumens* | 1207 |
| | LED Channels | Red / Green / Blue |
| | Mixing Distance | 6 in (152 mm) to uniform light |
| | Lumen Maintenance† | 50,000+ hours L50 @ 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) <br> 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 | Clear glass |
| | Fixture Connections | 60 ft (18.3 m) unified power / data cable |
| | Temperature Ranges | -40° – 122° F   (-40° – 50° C) Operating <br> -4° – 122° F   (-20° – 50° C) Startup <br> -40° – 176° F (-40° – 80° C) Storage |
| | Humidity | 0 – 95%, non-condensing |
| | Maximum Fixtures Per Power / Data Supply | PDS-150e 24V: 3 <br> 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

† L50 = 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
10° clear lens

### Polar Candela Distribution



| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 27343 | 27343 | 27343 | 27343 | 27343 |
| 5 | 12774 | 12942 | 13162 | 13077 | 12960 |
| 15 | 458 | 465 | 473 | 464 | 459 |
| 25 | 157 | 152 | 156 | 153 | 154 |
| 35 | 114 | 111 | 116 | 113 | 114 |
| 45 | 55 | 56 | 58 | 56 | 56 |
| 55 | 21 | 21 | 21 | 21 | 21 |
| 65 | 2 | 2 | 2 | 2 | 2 |
| 75 | 1 | 1 | 1 | 1 | 2 |
| 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 | 1708 fc | 0.7 ft | 0.7 ft |
| 8.0 ft | 427 fc | 1.3 ft | 1.4 ft |
| 12.0 ft | 190 fc | 2.0 ft | 2.0 ft |
| 16.0 ft | 107 fc | 2.7 ft | 2.7 ft |
| 20.0 ft | 68 fc | 3.4 ft | 3.4 ft |
| 24.0 ft | 47 fc | 4.0 ft | 4.1 ft |

165 ft (50.3 m)
1 fc maximum distance

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

For lux multiply fc by 10.7

| LED | Lumens | Efficacy |
|---|---|---|
| RGB | 1207 | 16.9 |

## 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 |

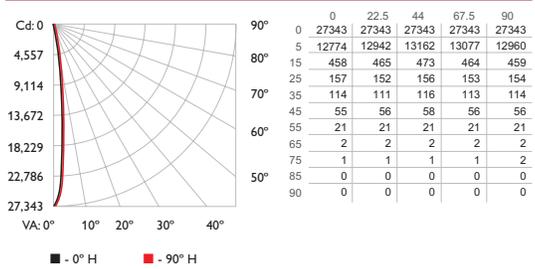Use Item Number when ordering in North America.

PHILIPS

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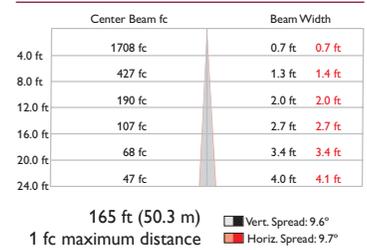Fax 617.423.9998
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