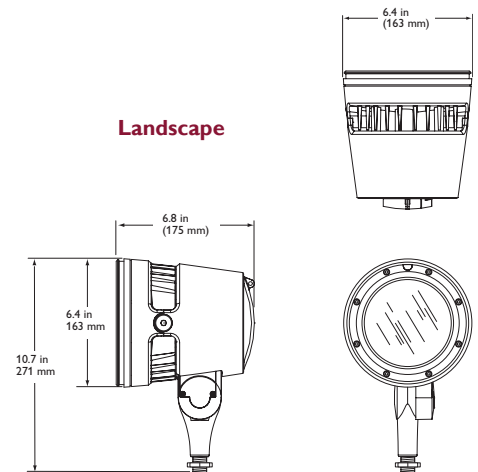# ColorBurst Powercore
23° spread lens

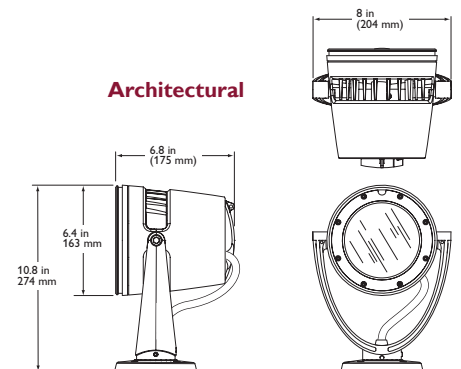### High-output, exterior RGB spotlight for accent and site lighting

ColorBurst Powercore is a high-output, exterior-rated LED lighting fixture designed for accent and site lighting. Standard format Architectural and Landscape fixtures deliver full-color light output of up to 647 lumens, while compact fixtures deliver up to 498 lumens to support a range of dynamic uplighting, floodlighting, and decorative lighting applications.

- Integrates patented Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage. The Philips Data Enabler Pro merges line voltage and control data and delivers them to the fixture over a single standard cable, dramatically simplifying installation and lowering total system cost.

- Flexible mounting options in architectural applications — ColorBurst Powercore Architectural fixtures feature an integrated yoke with canopy base for mounting to standard US junction boxes or directly to a flat surface or substrate as local codes permit.

- Support for a wide range of landscape applications — ColorBurst Powercore Landscape fixtures feature a 1/2 in NPT threaded post for mounting to standard junction boxes and third-party mounting accessories for use in softscape and hardscape applications.

- Outdoor rated — With a rugged, die-cast aluminum housing fully sealed for maximum fixture life and IP66-rated for outdoor applications, ColorBurst Powercore is ideal for use in damp or wet locations.

- Exchangeable optics and accessories — Available 14°, 23°, 41°, and asymmetric 10° x 41° spread lenses project a soft-edge beam to support a wide range of lighting applications. Native 8° beam angle offers extended light projection.

- Versatile light positioning — ColorBurst Powercore fixtures can tilt through a full 180°. ColorBurst Powercore Architectural fixtures can also rotate through a full 360° for precise aiming. Locking nuts accept standard hex wrenches to secure fixtures firmly in position.

Landscape

6.4 in (163 mm)

6.8 in (175 mm)

6.4 in 163 mm

10.7 in 271 mm

Architectural

8 in (204 mm)

6.8 in (175 mm)

6.4 in 163 mm

10.8 in 274 mm

- Universal power input range — ColorBurst Powercore accepts a universal power input range of 100 to 240 VAC, allowing long fixture runs and consistent installation in any location around the world.

- Industry-leading controls — ColorBurst Powercore works seamlessly with the complete line of Philips controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, as well as third-party controllers.

For detailed product information, please refer to the ColorBurst Powercore Product Guide at www.colorkinetics.com/ls/rgb/colorburstpc/

PHILIPS

Specifications

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

Item	Specification	Details
Output	Beam Angle	23° spread lens
	Lumens*	558
	LED Channels	Red / Green / Blue
	Lumen Maintenance†	120,000 hours L_{50} @ 25° C 70,000 hours L_{50} @ 50° C
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz via Data Enabler Pro
	Power Consumption	30 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (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)	10.8 x 8.0 x 6.8 in (274 x 204 x 175 mm) Architectural 10.7 x 6.4 x 6.8 in (271 x 163 x 175 mm) Landscape
	Weight	11 lb (5 kg) Architectural 7.4 lb (3.4 kg) Landscape
	Housing	Die-cast aluminium, powder-coated finish
	Lens	Tempered glass
	Fixture Connections	6 ft (1.8 m) unified power / data cable with flying leads Architectural 6 in (152 mm) flying leads Landscape
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Vibration Resistance	ANSI C136.31 (Architectural only)
	Humidity	0 – 95%, non-condensing
	Fixture Run Lengths‡	46 @ 100 VAC *Example configuration:* 55 @ 120 VAC *20 A circuit, 20 ft (6.1 m) leader* 78 @ 220 VAC *cable from Data Enabler Pro to the first junction box,* 78 @ 240 VAC *and 2 ft (610 mm) jumper cables between fixtures*
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, CQC
	Environment	Dry / Damp / Wet Location, IP66

* Lumen measurement complies with IES LM-79-08 testing procedures.

† L_{50} = 50% maintenance of lumen output (when light output drops below 50% of initial output). Ambient temperatures specified. Based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.colorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

‡ These figures, provided as a guideline, are accurate for this configuration only. Changing the configuration can affect the fixture run lengths.
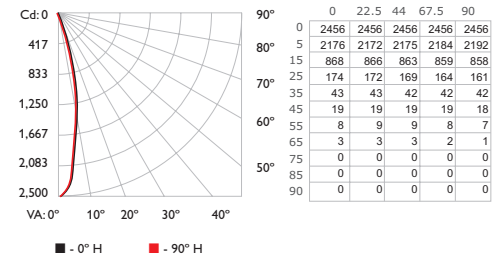
Fixtures and Data Enabler Pro

Item	Type	Item Number	Philips 12NC
ColorBurst Powercore Landscape UL / cUL / CE	Gray	123-000015-00	910503700578
	Black	123-000015-03	910503701703
	White	123-000015-06	910503701706
ColorBurst Powercore Architectural UL / cUL / CE	Gray	123-000015-01	910503700639
	Black	123-000015-04	910503701704
	White	123-000015-07	910503701707
ColorBurst Powercore Architectural CQC	Gray	123-000015-02	910503701702
	Black	123-000015-05	910503701705
	White	123-000015-08	910503701708
Data Enabler Pro	3/4 in / 1/2 in NPT (US trade size conduit)	106-000004-00	910503701210
	PG21 / PG13 (metric size conduit)	106-000004-01	910503701211

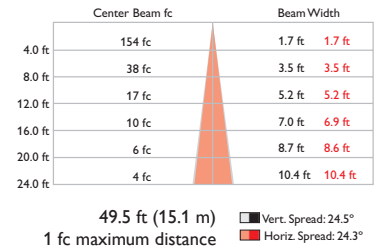Use Item Number when ordering in North America.

Photometrics

ColorBurst Powercore
23° spread lens

Polar Candela Distribution

	0	22.5	44	67.5	90
0	2456	2456	2456	2456	2456
5	2176	2172	2175	2184	2192
15	868	866	863	859	858
25	174	172	169	164	161
35	43	43	42	42	42
45	19	19	19	19	18
55	8	9	9	8	7
65	3	3	3	2	1
75	0	0	0	0	0
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	154 fc	1.7 ft	1.7 ft
8.0 ft	38 fc	3.5 ft	3.5 ft
12.0 ft	17 fc	5.2 ft	5.2 ft
16.0 ft	10 fc	7.0 ft	6.9 ft
20.0 ft	6 fc	8.7 ft	8.6 ft
24.0 ft	4 fc	10.4 ft	10.4 ft

49.5 ft (15.1 m)
1 fc maximum distance

■ Vert. Spread: 24.5°
■ Horiz. Spread: 24.3°

LED	Lumens	Efficacy
RGB	558	21.2

For lux multiply fc by 10.7

Accessories

Item	Type	Item Number	Philips 12NC
Trim Ring	Gray	120-000103-00	910503701212
	Black	120-000103-06	910503701734
	White	120-000103-12	910503701737
45° Glare Shield	Gray	120-000103-01	910503701213
	Black	120-000103-07	910503701735
	White	120-000103-13	910503701738
Full Height Glare Shield	Gray	120-000103-02	910503701214
	Black	120-000103-08	910503701736
	White	120-000103-14	910503701739
Honeycomb Louver	Black	120-000104-00	910503701215
Spread Lenses	14°	120-000080-00	910503700609
	23°	120-000080-01	910503700610
	41°	120-000080-02	910503700611
	10° x 41° asymmetric	120-000080-03	910503700612

Use Item Number when ordering in North America.

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