ColorReach Compact Powercore
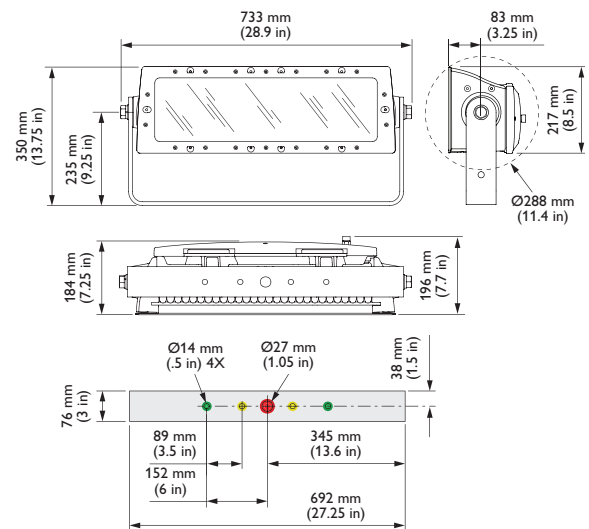## 5° × 17° asymmetric spread lens

Premium long-throw compact exterior LED floodlight with intelligent color light

ColorReach Compact Powercore combines all the benefits of LED-based lighting and control in a compact fixture specifically designed for large-scale installations, such as commercial skyscrapers, casinos, bridges, piers, public monuments, and themed attractions. With levels of light output and projection never before achieved in a compact LED lighting fixture, ColorReach Compact Powercore delivers intense, energy-efficient output at a reasonable price, opening up new possibilities for exterior illumination. Custom configurations with custom channels of white or color LED sources are also available to support special applications.

- Intense light output — ColorReach Compact Powercore outputs thousands of lumens and throws light hundreds of feet, delivering legitimate LED-based illumination of large-scale structures and objects in a compact, fully-sealed housing.

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

- Versatile optics — Exchangeable spread lenses of 8°, 13°, 23°, 40°, 63°, and an asymmetric 5° x 17° support a variety of photometric distributions for a multitude of applications, including spotlighting, wall grazing, and asymmetric wall washing. Bezel and gasket are included with spread lenses for easy user installation.

- Saturated, cost-effective color — High-performance LEDs offer rich, saturated

color at significantly less cost for installation, operation, and maintenance than traditional light sources.

- Simple fixture positioning — Rugged, slim-profile mounting bracket allows simple positioning and fixture rotation through a full 360°. Side locking bolts reliably secure fixture with a standard wrench.

- Universal power input range — Accepts a universal power input range of 100 – 240

733 mm (28.9 in)
83 mm (3.25 in)
350 mm (13.75 in)
235 mm (9.25 in)
217 mm (8.5 in)
Ø288 mm (11.4 in)
184 mm (7.25 in)
196 mm (7.7 in)
Ø14 mm (.5 in) 4X
Ø27 mm (1.05 in)
38 mm (1.5 in)
76 mm (3 in)
89 mm (3.5 in)
345 mm (13.6 in)
152 mm (6 in)
692 mm (27.25 in)

VAC, allowing consistent installation in any location around the world.

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

For detailed product information, please refer to the ColorReach Compact Powercore Product Guide at www.philipscolorkinetics.com/ls/rgb/colorreachcompact/

PHILIPS

Specifications

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

Item	Specification	5° x 17° spread lens
	Lumens*	3536
	LED Channels	Red / Green / Blue
	Lumen Maintenance†	60,000 hours L$_{70}$ @ 25° C 50,000 hours L$_{70}$ @ 50° C 100,000 hours L$_{50}$ @ 25° C 80,000 hours L$_{50}$ @ 50° C
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz via Data Enabler Pro
	Power Consumption	130 W
Control	Interface	Data Enabler Pro (DMX / Ethernet)
	Control System	Philips Color Kinetics full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
Physical	Dimensions (Height x Width x Depth)	8.5 x 28.9 x 7.7 in (217 x 733 x 196 mm)
	Weight	51 lb (23 kg)
	Effective Projected Area (EPA)	0.186 m^2
	Housing	Die-cast aluminium, powder-coated finish
	Lens	Tempered glass
	Fixture Connections	Integral male / female waterproof connector, 6 ft (1.8 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
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, PSE, C-Tick
	Environment	Dry / Damp / Wet Location, IP66

* Lumen measurement complies with IES LM-79-08 testing procedures
† L$_{70}$ = 70% lumen maintenance (when light output drops below 70% of initial output). 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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CK TECHNOLOGY | CK TECHNOLOGY | CK TECHNOLOGY

Photometrics

5° x 17° spread lens

Polar Candela Distribution

	0.0	22.5	45.0	67.5	90.0
0	70543	70543	70543	70543	70543
5	19250	22756	33633	49369	57692
15	311	338	549	2768	10960
25	124	119	126	179	510
35	62	66	74	88	132
45	27	27	27	43	74
55	12	14	12	21	47
65	4	4	6	10	23
75	0	0	2	6	8
85	0	0	0	0	0
90	0	0	0	0	0

■ - 0° H   ■ - 90° H
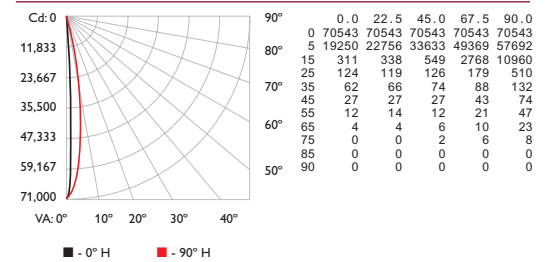
Illuminance at Distance

	Center Beam fc		Beam Width	
4.0 ft	4409 fc		0.5 ft	1.3 ft
8.0 ft	1102 fc		1.0 ft	2.6 ft
12.0 ft	490 fc		1.6 ft	3.9 ft
16.0 ft	276 fc		2.1 ft	5.2 ft
20.0 ft	176 fc		2.6 ft	6.5 ft
24.0 ft	122 fc		3.1 ft	7.8 ft

266 ft (81.1 m)   ■ Vert. Spread: 7.4°
1 fc maximum distance   ■ Horiz. Spread: 18.5°

LED	Lumens	Efficacy
RGB	3536	25.7

For lux multiply fc by 10.7

Accessories

Item	Type	Item Number	Philips 12NC
Replacement Leader Cable 6 ft (1.8 m)	UL / cUL	108-000043-02	910503700453
	CE / PSE	108-000043-03	910503700454
Spread Lens with bezel	13°	120-000068-00	910503700506
	23°	120-000068-01	910503700507
	40°	120-000068-02	910503700508
	63°	120-000068-03	910503700509
	Asymmetric (5° x 17°)	120-000068-04	910503700510
	8°	120-000068-05	910503700511
Data Enabler Pro	3/4 in / 1/2 in NPT (U.S. trade size conduit)	106-000004-00	910503701210
	PG21 / PG13 (metric size conduit)	106-000004-01	910503701211

Use Item Number when ordering in North America.

Fixtures

Item	Type	Item Number	Philips 12NC
ColorReach Compact Powercore *Includes 6 ft (1.8 m) leader cable*	UL / cUL	123-000078-00	910503703278
	CE / PSE	123-000078-01	910503704176

Use Item Number when ordering in North America.