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ColorReach Powercore gen2

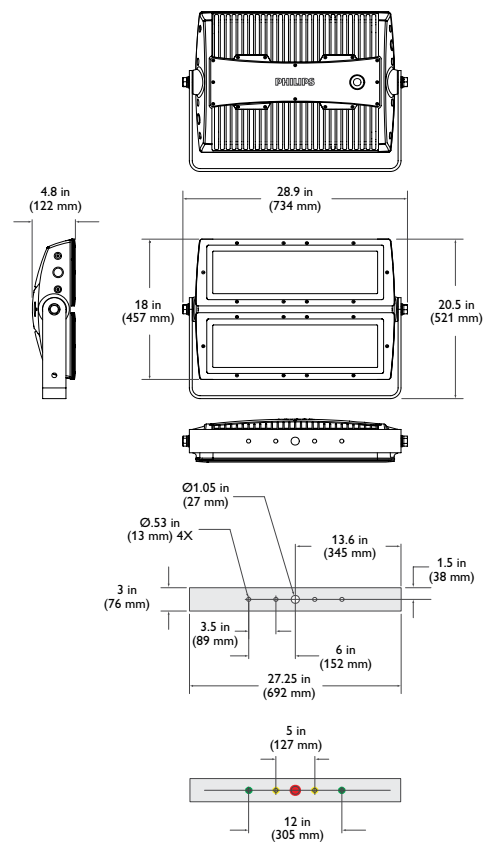
5° native (no spread lens), CQC

Premium long-throw exterior LED floodlight with intelligent color light

ColorReach Powercore gen2 combines all the benefits of LED-based lighting and control in an elegant fixture specifically designed for large-scale installations, such as skyscrapers, casinos, bridges, piers, public monuments, and themed attractions. With levels of light output and projection never before achieved in an LED lighting fixture, ColorReach Powercore gen2 affords entirely new possibilities in exterior illumination.

- **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** — A native 5° beam angle and 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 spot lighting, wall grazing, and asymmetric wall washing. Bezel and gasket are included with spread lenses for easy user installation.
- **Unique split design supports diffuser combinations** — Each half of the fixture is individually addressable and controllable. For instance, you could use one spread lens on the fixture's lower half to bathe a large façade with color at street level, and a different spread lens to project a contrasting or complementary color hundreds of feet up the building's walls.
- **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** — Fixtures accept a universal power input range of 100 – 240 VAC, allowing consistent installation in any location around the world.



- **Industry-leading controls** — Fixtures work 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 Powercore gen2 Product Guide at www.philipscolorkinetics.com/ls/rgb/colorreach/

PHILIPS

Specifications

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

Item	Specification	Details
Output	Lumens*	8,937 (full unit)
	LED Channels	Red / Green / Blue
	Mixing Distance	50 ft (15.2 m) to uniform light
	Lumen Maintenance†	100,000 hours L50 @ 25° C 85,000 hours L50 @ 50° C
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz
	Power Consumption	290 W maximum at full output, steady state
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)	20.5 x 28.9 x 4.8 in (521 x 734 x 122 mm)
	Weight	75 lb (34 kg)
	Effective Projected Area (EPA)	0.42 m²
	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
Certification and Safety	Certification	CE, CQC, FCC Class A, PSE
	Environment	Dry / Damp / Wet Location, IP66

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

† 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.



Fixtures and Accessories

Item	Type	Item Number	Philips 12NC
ColorReach Powercore gen2 Includes 6 ft (1.8 m) leader cable	CQC	123-000013-51	912400130192
Replacement Leader Cable 6 ft (1.8 m)	CQC / CE	108-000043-03	910503700454
ColorReach Powercore 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.

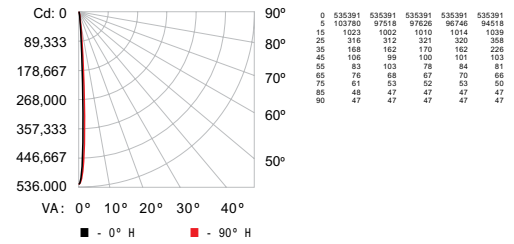


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Photometrics

5° native (no spread lens), full unit

Polar Candela Distribution



Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	33,462 fc	0.5 ft 0.4 ft
8 ft	8,365 fc	0.9 ft 0.9 ft
12 ft	3,718 fc	1.4 ft 1.3 ft
16 ft	2,091 fc	1.8 ft 1.8 ft
20 ft	1,338 fc	2.3 ft 2.2 ft
24 ft	930 fc	2.7 ft 2.7 ft

732 ft (223.1 m)
1 fc maximum distance
Vert. Spread: 6.5°
Horiz. Spread: 6.4°

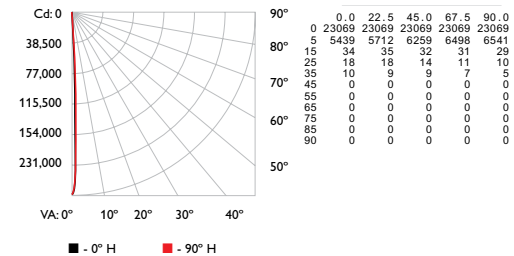
LED	Lumens	Efficacy
RGB	8937	35.8



For lux multiply fc by 10.7

5° native (no spread lens), half unit

Polar Candela Distribution



Illuminance at Distance

	Center Beam fc	Beam Width
4.0 ft	14418 fc	0.5 ft 0.5 ft
8.0 ft	3605 fc	1.0 ft 1.1 ft
12.0 ft	1602 fc	1.5 ft 1.6 ft
16.0 ft	901 fc	2.0 ft 2.1 ft
20.0 ft	577 fc	2.5 ft 2.6 ft
24.0 ft	401 fc	3.0 ft 3.2 ft

480 ft (146.3 m)
1 fc maximum distance
Vert. Spread: 7.1°
Horiz. Spread: 7.6°

LED	Lumens	Efficacy
RGB	4561	36.3



For lux multiply fc by 10.7

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