



Date: _____ Type: _____

Firm Name: _____

Project: _____

ColorReach Compact Powercore

13° spread lens

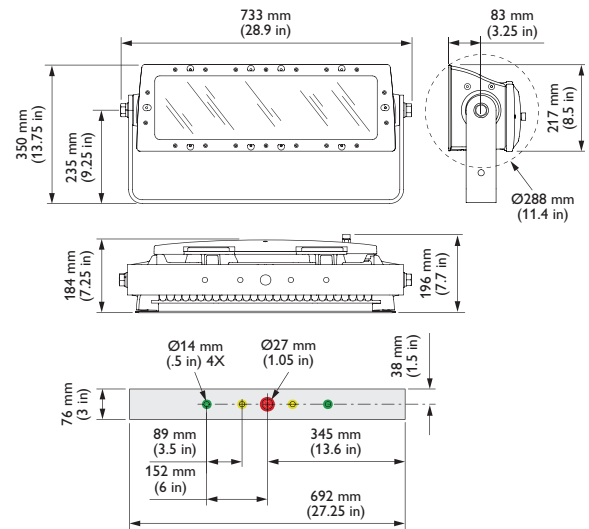
Premium long-throw compact exterior LED floodlight with intelligent color light

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



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 | 13° spread lens |
|--------------------------|--|--|
| | Lumens* | 3531 |
| | LED Channels | Red / Green / Blue |
| | Lumen Maintenance† | 60,000 hours L70 @ 25° C 50,000 hours L70 @ 50° C 100,000 hours L50 @ 25° C 80,000 hours L50 @ 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 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 | 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

† L70 = 70% lumen maintenance (when light output drops below 70% of initial output). 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

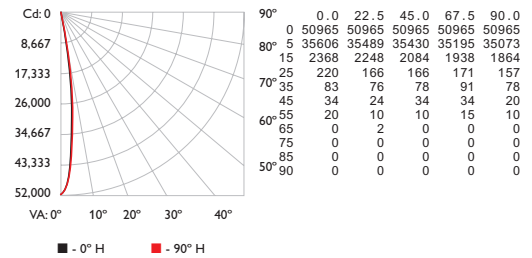
| Item | Type | Item Number | Philips 12NC |
|------------------------------------|----------|---------------|--------------|
| ColorReach Compact Powercore | UL / cUL | 123-000078-00 | 910503703278 |
| Includes 6 ft (1.8 m) leader cable | CE / PSE | 123-000078-01 | 910503704176 |

Use Item Number when ordering in North America.

Photometrics

13° spread lens

Polar Candela Distribution



Illuminance at Distance

| Center Beam fc | Beam Width |
|----------------|-----------------------------|
| 4.0 ft | 3185 fc 1.0 ft 1.0 ft |
| 8.0 ft | 796 fc 1.9 ft 1.9 ft |
| 12.0 ft | 354 fc 2.9 ft 2.9 ft |
| 16.0 ft | 199 fc 3.9 ft 3.8 ft |
| 20.0 ft | 127 fc 4.9 ft 4.8 ft |
| 24.0 ft | 88 fc 5.8 ft 5.7 ft |

226 ft (68.9 m) 1 fc maximum distance Vert. Spread: 13.9° Horiz. Spread: 13.6°

| LED | Lumens | Efficacy |
|-----|--------|----------|
| RGB | 3531 | 25.6 |

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.



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