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# eW Reach Compact Powercore

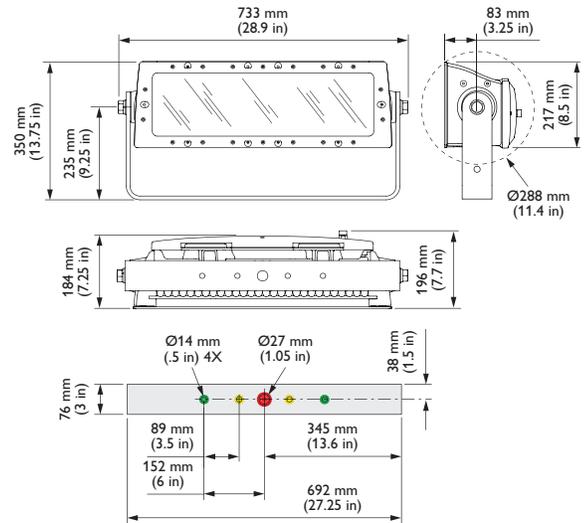
## 5° x 17° asymmetric spread lens

Premium long-throw compact exterior LED floodlight with solid white light

eW Reach Compact Powercore combines all the benefits of LED-based lighting in a compact fixture specifically designed for large-scale installations calling for high-quality white light, including commercial skyscrapers, casinos, large retail exteriors, bridges, piers, public monuments, and themed attractions. With levels of light output and projection never before achieved in a compact LED lighting fixture, eW Reach Compact Powercore delivers intense, energy-efficient output at a reasonable price, opening up new possibilities for exterior illumination. Standard configurations include a warm 2700 K and a cool 4000 K, with six additional color temperatures available, ranging from 3000 K to 6500 K.

- Intense light output — eW Reach 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 — Fixtures rapidly, efficiently, and accurately process power directly from line voltage, eliminating the need for additional, external power supplies.
- 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 ship with spread lenses for easy user installation.

- Rich, uniform white light — High-performance LEDs offer rich, uniform white light at significantly less cost for installation, operation, and maintenance than traditional light sources.
- Simple fixture positioning — Rugged, slim-profile mounting bracket allows flexible positioning and fixture rotation through a full 360°. Side locking bolts reliably secure fixture with standard wrench.



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

For detailed product information, please refer to the eW Reach Compact Powercore Product Guide at [www.philipscolorkinetics.com/l/essentialwhite/ewreachcompact/](http://www.philipscolorkinetics.com/l/essentialwhite/ewreachcompact/)

**PHILIPS**

## Specifications

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

Item	Specification	2700 K*	4000 K*
Output	Lumens†	4585	5423
	Efficacy (lm / W)	36.6	44.2
	Lumen Maintenance‡	60,000 hours L70 @ 25° C 100,000 hours L50 @ 25° C	50,000 hours L70 @ 50° C 80,000 hours L50 @ 50° C
	CRI	81 (2700 K) 79 (4000 K)	
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz	
	Power Consumption	125 W	
	Power Factor	.967 @ 120 VAC (2700 K) .961 @ 120 VAC (4000 K)	
Control	On / Off		
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 <sup>2</sup>	
	Housing	Die-cast aluminium, powder-coated finish	
	Lens	Tempered glass	
	Fixture Connections	Integral male / female waterproof connector, 6 ft (1.8 m) power 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	

\* Correlated color temperature (CCT) complies with ANSI C78.377-2008 for the chromaticity of solid state lighting products.



† 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](http://www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf) for more information.

## Fixtures and Accessories

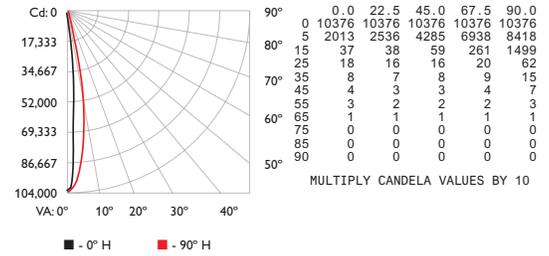
Item	Type	Item Number	Philips 12NC
eW Reach Compact Powercore Includes 6 ft (1.8 m) Leader Cable	2700 K	UL / cUL	523-000084-00 910503703281
		CE / PSE	523-000084-01 910503703282
	4000 K	UL / cUL	523-000084-06 910503703951
		CE / PSE	523-000084-07 910503704185
Replacement Leader Cable 6 ft (1.8 m)	UL / cUL	108-000046-00 910503700621	
	CE / PSE	108-000046-01 910503700622	
Spread Lens with bezel	8°	120-000068-05 910503700511	
	13°	120-000068-00 910503700506	
	23°	120-000068-01 910503700507	
	40°	120-000068-02 910503700508	
	Asymmetric (5° x 17°)	120-000068-03 910503700509 120-000068-04 910503700510	

Use Item Number when ordering in North America.

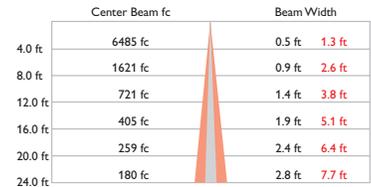
## Photometrics

### 2700 K, 5° x 17° asymmetric spread lens

#### Polar Candela Distribution



#### Illuminance at Distance



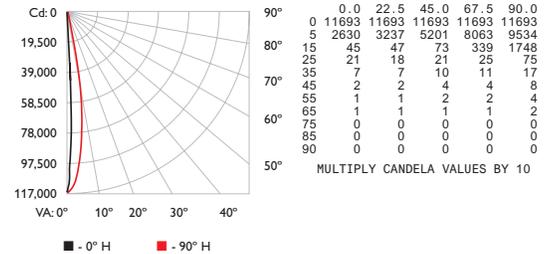
322 ft (98.1 m) 1 fc maximum distance

Lumens	4585
Efficacy	36.6 lm / W

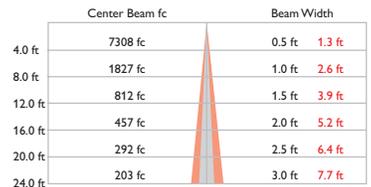
For lux multiply fc by 10.7

### 4000 K, 5° x 17° asymmetric spread lens

#### Polar Candela Distribution



#### Illuminance at Distance



342 ft (104.2 m) 1 fc maximum distance

Lumens	5423
Efficacy	44.2 lm / W



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