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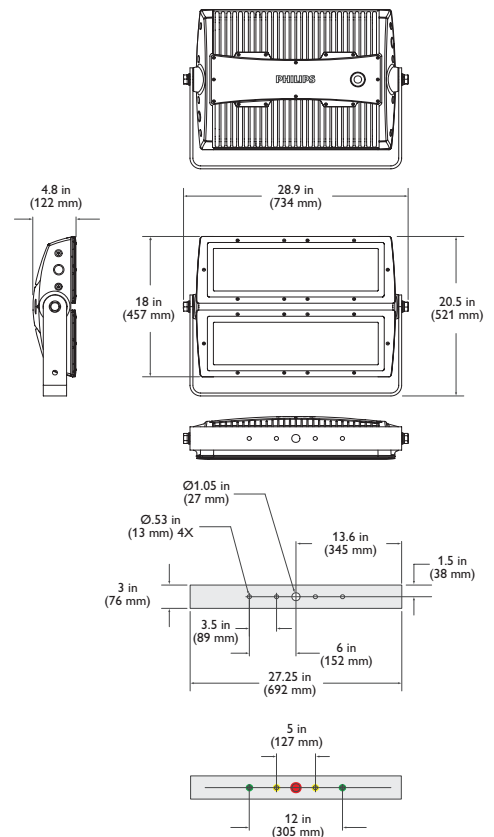
## eW Reach Powercore gen2

4000 K, 5° native (no spread lens)

Premium long-throw exterior LED floodlight with solid white light

eW Reach 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 significantly more lumen output than any other competitive fixture and unprecedented light projection, this powerful fixture represents the next generation in exterior illumination. Fixtures are available in a warm 2700 K or a cool 4000 K. Custom configurations with custom channels of white or color LED sources are also available to support special applications.

- Integrates Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage.
- Unparalleled light output — Fixtures produce thousands of lumens and throw light hundreds of feet. eW Reach Powercore gen2 offers legitimate LED-based white light illumination of large-scale structures and objects.
- 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.
- Unique split design — Spread lenses fit over each half of the fixture to support diffuser combinations. For instance, you could use one spread lens on the fixture's lower half to bathe a large façade with light at street level, and a different spread lens to project light hundreds of feet up the building's walls.



- 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 — eW Reach Powercore gen2 accepts a universal power input range of 100 – 240 VAC, allowing consistent installation in any location around the world.

For detailed product information, please refer to the eW Reach Powercore gen2 Product Guide at [www.philipscolorkinetics.com/ls/essentialwhite/ewreach/](http://www.philipscolorkinetics.com/ls/essentialwhite/ewreach/)

**PHILIPS**

## Specifications

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

Item	Specification	2700 K*	4000 K*
Output	Lumens†	10,520	12,838
	Efficacy (lm / W)	44.3	53.7
	CRI	81	81
	Lumen Maintenance‡	60,000 hours L70 @ 25° C	90,000 hours L50 @ 25° C
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz	
	Power Consumption	250 W maximum at full output, steady state	
	Power Factor	.989 @ 120 VAC	
Control		On / Off	
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	6 ft (1.8 m) Leader Cable	
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 122° F (-40° – 50° C) Operating	
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from <a href="http://www.philipscolorkinetics.com/support/install_tool/">www.philipscolorkinetics.com/support/install_tool/</a>	
	Humidity	0 – 95%, non-condensing	
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, PSE	
	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

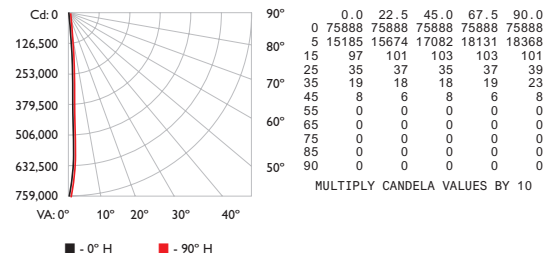
Item	Type	Item Number	Philips 12NC
eW Reach Powercore gen2 Includes 6 ft (1.8 m) Leader Cable	2700 K	523-000044-50	910503703936
	4000 K	523-000044-52	910503703937
Replacement Leader Cable 6 ft (1.8 m)	UL / cUL	108-000046-00	910503700621
	CE / PSE	108-000046-01	910503700622
Spread Lens with bezel	8°	120-000068-05	910503700511
	13°	120-000068-00	910503700506
	23°	120-000068-01	910503700507
	40°	120-000068-02	910503700508
	63°	120-000068-03	910503700509
	Asymmetric (5° x 17°)	120-000068-04	910503700510

Use Item Number when ordering in North America.

## Photometrics

4000 K, 5° native (no spread lens), full unit

### Polar Candela Distribution



### Illuminance at Distance

	Center Beam fc	Beam Width
4.0 ft	47430 fc	0.5 ft 0.5 ft
8.0 ft	11858 fc	0.9 ft 1.0 ft
12.0 ft	5270 fc	1.4 ft 1.5 ft
16.0 ft	2964 fc	1.9 ft 2.0 ft
20.0 ft	1897 fc	2.4 ft 2.5 ft
24.0 ft	1318 fc	2.8 ft 3.0 ft

890 ft (271.3 m)  
1 fc maximum distance

Vert. Spread: 6.7°  
Horiz. Spread: 7.2°

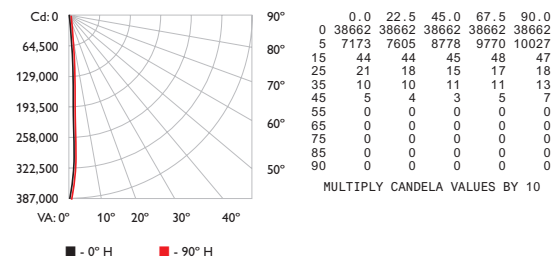
Lumens	12,838
Efficacy	53.7 lm / W



For lux multiply fc by 10.7

4000 K, 5° native (no spread lens), half unit

### Polar Candela Distribution



### Illuminance at Distance

	Center Beam fc	Beam Width
4.0 ft	24,164 fc	0.5 ft 0.5 ft
8.0 ft	6041 fc	0.9 ft 1.0 ft
12.0 ft	2685 fc	1.4 ft 1.5 ft
16.0 ft	1510 fc	1.9 ft 2.1 ft
20.0 ft	967 fc	2.3 ft 2.6 ft
24.0 ft	671 fc	2.8 ft 3.1 ft

637 ft (194.2 m)  
1 fc maximum distance

Vert. Spread: 6.6°  
Horiz. Spread: 7.4°

Lumens	6,525
Efficacy	53.1 lm / W



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DAS-000031-02 R05 12-12