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# eW Reach Compact Powercore

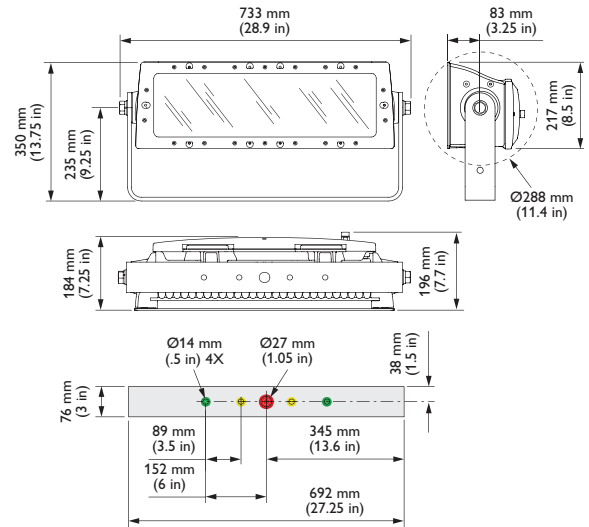
## 40° spread lens

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/ls/essentialwhite/ewreachcompact/](http://www.philipscolorkinetics.com/ls/essentialwhite/ewreachcompact/)

**PHILIPS**

## Specifications

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

| Item                     | Specification                       | 2700 K*   | 4000 K*  |
|--------------------------|-------------------------------------|---|--|
| Output                   | Lumens†                             | 4455  | 5217   |
|                          | Efficacy (lm / W)                   | 35.5  | 42.5   |
|                          | Lumen Maintenance‡                  | 60,000 hours L70 @ 25° C<br>100,000 hours L50 @ 25° C   | 50,000 hours L70 @ 50° C<br>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 m²  |  |
|                          | Housing                             | Die-cast aluminium, powder-coated finish  |  |
|                          | Lens                                | Tempered glass  |  |
|                          | Fixture Connections                 | Integral male / female waterproof connector;<br>6 ft (1.8 m) power cable  |  |
|                          | Temperature Ranges                  | -40° – 122° F (-40° – 50° C) Operating<br>-4° – 122° F (-20° – 50° C) Startup<br>-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

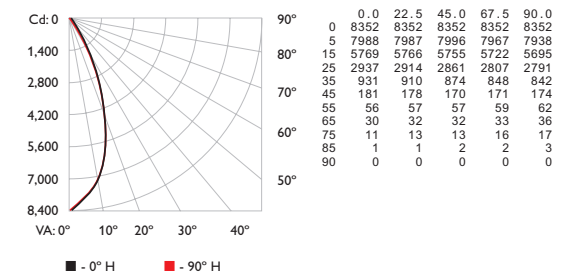
| Item   | Type                  | Item Number   | Philips 12NC               |
|--|-----------------------|---------------|----------------------------|
| eW Reach Compact Powercore<br>Includes 6 ft (1.8 m) Leader Cable | 2700 K                | UL / cUL      | 523-000084-00 910503703281 |
|  |                       | CE / PSE      | 523-000084-01 910503703282 |
|  | 4000 K                | UL / cUL      | 523-000084-06 910503703951 |
|  |                       | CE / PSE      | 523-000084-07 910503704185 |
| Replacement Leader Cable<br>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.

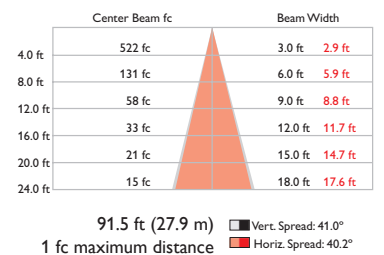
## Photometrics

### 2700 K, 40° spread lens

#### Polar Candela Distribution



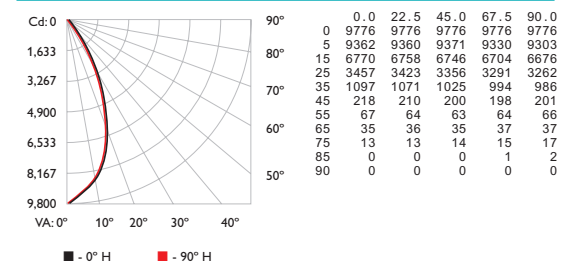
#### Illuminance at Distance



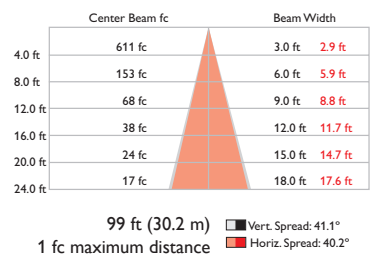
For lux multiply fc by 10.7

### 4000 K, 40° spread lens

#### Polar Candela Distribution



#### Illuminance at Distance



|          |             |
|----------|-------------|
| Lumens   | 5217        |
| Efficacy | 42.5 lm / W |



Philips Color Kinetics  
3 Burlington Woods Drive  
Burlington, Massachusetts 01803 USA  
Tel 888.385.5742  
Tel 617.423.9999  
Fax 617.423.9998  
[www.philipscolorkinetics.com](http://www.philipscolorkinetics.com)

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