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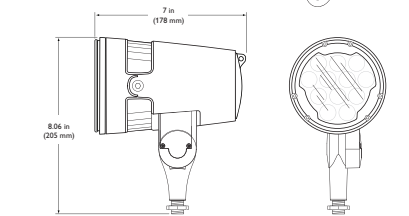
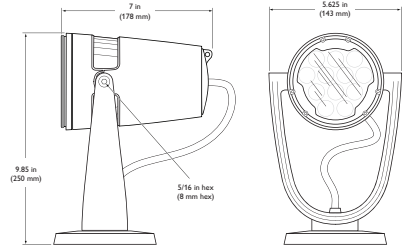
# eW Burst Compact Powercore

## 8° primary optic (no spread lens)

High-output, exterior white spotlight for accent and site lighting

eW Burst Powercore is a high-output, exterior-rated LED lighting fixture designed for accent and site lighting. Architectural and Landscape versions deliver high-quality white light output in a warm 2700 K and a neutral 4000 K, as well as four solid colors (Red, Green, Blue, and Amber) to support a range of uplighting, floodlighting, and decorative lighting applications.

- Integrates patented Powercore technology — Powercore rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage, eliminating the need for an external power supply. Contractor-friendly installation dramatically simplifies installation and lowers total system cost.
- Flexible mounting in architectural applications — Architectural fixtures feature an integrated yoke with canopy base for mounting to standard US junction boxes or directly to a flat surface or substrate as local codes permit.
- Support for a wide range of landscape applications — Landscape fixtures feature a 1/2 in NPT threaded post for mounting to standard junction boxes and third-party mounting accessories such as stanchion mounts, posts, and stakes for use in softscape and hardscape applications.
- Exchangeable optics and accessories — Available 14°, 23°, 41°, and asymmetric 10° x 41° spread lenses project a soft-edge beam to support a wide range of lighting applications. Native 8° beam angle offers extended light projection. Available glare shields block spill light, while honeycomb louvers limit the spread of light for a more focused and intense beam.
- Versatile light positioning — Fixtures can tilt through a full 180°. Architectural fixtures can also rotate through a full 360° for precise aiming. Locking screws accept standard hex wrenches to secure fixtures firmly in position.
- Universal power input range — Accepts a universal power input range of 100 to 277 VAC, allowing the installation of multiple units in a continuous run.



- Dimming capability — Patented DIMand technology offers smooth dimming capability with many electronic low voltage (ELV) dimmers for all input voltages.
- Outdoor rated — With a rugged, die-cast aluminum housing fully sealed for maximum fixture life and IP66-rated for outdoor applications, eW Burst Powercore is ideal for use in damp or wet locations.

For detailed product information, please refer to the eW Burst Powercore Product Guide at [www.colorkinetics.com/ls/essentialwhite/ewburstpc/](http://www.colorkinetics.com/ls/essentialwhite/ewburstpc/).

**PHILIPS**

## Specifications

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

Item	Specification	Details
Output	Beam Angle	8° primary optic
	Lumens†	624 (2700 K*) 812 (4000 K*)
	Efficacy (lm / W)	41.9 (2700 K) 53.8 (4000 K)
	CRI	83 (2700 K) 81 (4000 K)
	Lumen Maintenance‡	90,000 hours L70 @ 25° C 50,000 hours L70 @ 50° C 120,000 hours L50 @ 25° C 90,000 hours L50 @ 50° C
Electrical	Input Voltage	100 – 277 VAC, auto-switching, 50 / 60 Hz
	Power Consumption	15 W maximum at full output, steady state
	Power Factor	.995 @ 120 VAC (2700 K) .994 @ 120 VAC (4000 K)
Control	Dimming	Compatible with many commercially available ELV, trailing edge, or reverse-phase control dimmers§
Physical	Dimensions (Height x Width x Depth)	9.85 x 4.5 x 7.0 in (250 x 114 x 178 mm) Architectural 8.06 x 4.5 x 7.0 in (205 x 114 x 178 mm) Landscape
	Weight	8.7 lb (3.9 kg) Architectural 4.4 lb (2.0 kg) Landscape
	Housing	Die-cast aluminium, powder-coated finish
	Lens	Tempered glass
	Fixture Connections	6 ft (1.8 m) unified power / data cable with flying leads Architectural 6 in (152 mm) flying leads Landscape
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Vibration Resistance	ANSI C136.31 (Architectural only)
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certification	UL / cUL, FCC Class A, CE, CQC
	Environment	Dry / Damp / Wet Location, IP66

\* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

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

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

L50 = 50% maintenance of lumen output (when light output drops below 50% of initial output).

Ambient temperatures specified. Based on measurements that comply with IES LM-80-08 testing procedures. Refer to [www.colorkinetics.com/support/appnotes/lm-80-08.pdf](http://www.colorkinetics.com/support/appnotes/lm-80-08.pdf) for more information.

§ Refer to [www.colorkinetics.com/support/appnotes/](http://www.colorkinetics.com/support/appnotes/) for specific details



## Fixtures and Accessories

Use Item Number when ordering in North America.

Item	Type	Housing Color <sup>1</sup>	Item Number	Philips 12NC
eW Burst Compact Powercore Landscape (UL / cUL / CE)	2700 K	Gray	523-000059-00	910503701661
	4000 K	Gray	523-000059-01	910503701662
eW Burst Compact Powercore Architectural (UL / cUL)	2700 K	Gray	523-000059-02	910503701663
	4000 K	Gray	523-000059-03	910503701664
eW Burst Compact Powercore Architectural (CE)	2700 K	Gray	523-000059-04	910503701665
	4000 K	Gray	523-000059-05	910503701666
eW Burst Compact Powercore Architectural (CQC)	2700 K	Gray	523-000059-06	910503701747
	4000 K	Gray	523-000059-07	910503701748
Trim Ring		Gray	120-000103-09	910503701823
45° Glare Shield		Gray	120-000103-10	910503701824
Full Height Glare Shield		Gray	120-000103-11	910503701825
Honeycomb Louver		Black	120-000104-01	910503701419
Spread Lenses	14°		120-000080-04	910503701415
	23°		120-000080-05	910503701416
	41°		120-000080-06	910503701417
	10° x 41° asymmetric		120-000080-07	910503701418

<sup>1</sup> Refer to How to Order Specification Sheet for additional housing colors.

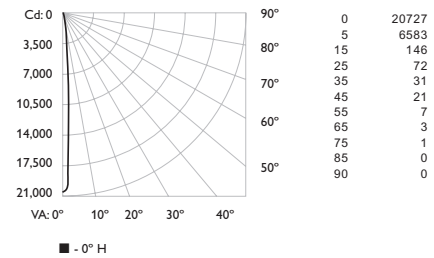


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## Photometrics

eW Burst Compact Powercore  
2700 K, 8° primary optic (no spread lens)

### Polar Candela Distribution



### Illuminance at Distance

Distance	Center Beam fc	Beam Width
4.0 ft	1295 fc	0.6 ft
8.0 ft	324 fc	1.2 ft
12.0 ft	144 fc	1.8 ft
16.0 ft	81 fc	2.4 ft
20.0 ft	52 fc	3.0 ft
24.0 ft	36 fc	3.6 ft

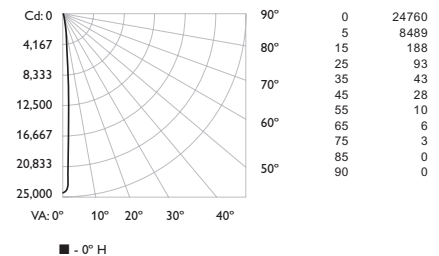
144 ft (43.9 m) ■ Beam Spread: 8.0°  
1 fc maximum distance

Lumens	624
Efficacy	41.9 lm / W

For lux multiply fc by 10.7

eW Burst Compact Powercore  
4000 K, 8° primary optic (no spread lens)

### Polar Candela Distribution



### Illuminance at Distance

Distance	Center Beam fc	Beam Width
4.0 ft	1548 fc	0.6 ft
8.0 ft	387 fc	1.2 ft
12.0 ft	172 fc	1.7 ft
16.0 ft	97 fc	2.3 ft
20.0 ft	62 fc	2.9 ft
24.0 ft	43 fc	3.5 ft

157 ft (47.9 m) ■ Beam Spread: 8.0°  
1 fc maximum distance

Lumens	812
Efficacy	53.8 lm / W

For lux multiply fc by 10.7

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