



Date: \_\_\_\_\_ Type: \_\_\_\_\_

Firm Name: \_\_\_\_\_

Project: \_\_\_\_\_

# eW Profile Powercore

4000 K, 39.25 in (997 mm)

Ultra-low-profile LED under-cabinet fixture for task and accent lighting



eW Profile Powercore is a direct line voltage, under-cabinet LED fixture for common task lighting and display case applications. Available in 2700 K, 3000 K, or 4000 K color temperatures, eW Profile Powercore is suitable for new installations and retrofits requiring superior illumination quality and dramatic energy savings. With an ultra-low-profile housing, three fixture lengths, versatile jumper options, and housing colors to match any environment, eW Profile Powercore offers an unprecedented level of design flexibility and ease of use.

options and standard line-neutral-ground wiring dramatically simplify installation.

- Exceptional illumination performance — Meets IESNA illumination specifications for optimal usability and safety in task lighting applications.
- Certified energy efficiency — Consumes just 5.5 W of energy per fixture and can support a continuous run up to 50 ft (15.2 m) in length. As an ENERGY STAR® qualified LED luminaire (120 VAC only), eW Profile Powercore meets or exceeds strict energy efficiency guidelines.

- Onboard Powercore technology — eW Profile Powercore fixtures process power input directly from line voltage. Clip or track mounting

For detailed product information, see the Product Guide at [www.philipscolorkinetics.com/l/essentialwhite/ewprofilep/](http://www.philipscolorkinetics.com/l/essentialwhite/ewprofilep/)

## Specifications

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

Item	Specification	9.25 in (235 mm)	19.25 in (489 mm)	39.25 in (997 mm)
Output	Beam Angle	105° x 100°		
	Lumens*	229 (2700 K) 220 (3000 K) 276 (4000 K)	441 (2700 K) 450 (3000 K) 479 (4000 K)	886 (2700 K) 862 (3000 K) 1079 (4000 K)
	Efficacy (lm / W)	37.1 (2700 K) 36.8 (3000 K) 47.3 (4000 K)	43.9 (2700 K) 44.1 (3000 K) 46.5 (4000 K)	43.1 (2700 K) 42.3 (3000 K) 52.6 (4000 K)
	CRI	82 (2700 K) 85 (3000 K) 81 (4000 K)	82 (2700 K) 85 (3000 K) 87 (4000 K)	82 (2700 K) 85 (3000 K) 81 (4000 K)
	Lumen Maintenance‡	48,000 hours L70 @ 25° C 37,000 hours L70 @ 50° C	50,000 hours L50 @ 25° C	50,000 hours L50 @ 50° C
Electrical	Input Voltage	100 / 120 / 220 – 240 VAC, 50 / 60 Hz		
	Power Consumption	5.5 W max. at full output, steady state 6 W peak in-rush	10 W max. at full output, steady state 13 W peak in-rush	20 W max. at full output, steady state 25 W peak in-rush
	Power Factor	.99 @ 120 VAC (19.25 in fixture)		
Control	Dimmer	Compatible with many commercially available reverse-phase ELV-type dimmers§		
Physical	Dimensions (Height x Length x Depth)	.88 x 9.25 x 1.7 in (22 x 235 x 43 mm)	.88 x 19.25 x 1.7 in (22 x 489 x 43 mm)	.88 x 39.25 x 1.7 in (22 x 997 x 43 mm)
	Weight	7 oz (198 g)	13 oz (369 g)	1.6 lb (728 g)
	Housing	Extruded aluminium, polycarbonate. White, Black, or Gray powder-coated finish.		
	Lens	Polycarbonate		
	Fixture Connections	Integral male / female connectors		
	Temperature Ranges	-4° – 122° F (-20° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage		
	Humidity	0 – 95%, non-condensing		
Fixture Run Length	Up to 50 ft (15.3 m) of fixtures in a single run, ≤ 324 W			
Certification and Safety	Certification	UL / cUL, FCC Class B, CE, C-Tick, ENERGY STAR® (120 VAC)		
	Environment	Dry / Damp Location, IP50		

\* 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% 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.

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



## Fixtures

See Ordering Information Specification Sheet for additional fixture lengths and housing colors.

Item	Color Temp.	Housing	Length	Item Number	Philips 12NC
eW Profile Powercore, 100 VAC including Mounting Clips and End-to-End Connector	3000 K	White	39.25 in (997 mm)	523-000026-44	910503702216
	4000 K	White	39.25 in (997 mm)	523-000026-47	910503702219
eW Profile Powercore, 120 VAC* including Mounting Clips and End-to-End Connector	2700 K	White	9.25 in (235 mm)	523-000027-84	910503705061
	3000 K	White	39.25 in (997 mm)	523-000027-74	910503704139
eW Profile Powercore, 220 – 240 VAC including Mounting Clips and End-to-End Connector	4000 K	White	39.25 in (997 mm)	523-000027-77	910503704142
	3000 K	White	39.25 in (997 mm)	523-000028-62	910503700642
eW Profile Powercore, 220 – 240 VAC including Mounting Clips, Leader Cable, and Terminator	4000 K	White	39.25 in (997 mm)	523-000028-65	910503700645
	3000 K	White	39.25 in (997 mm)	523-000028-80	910503700660
	4000 K	White	39.25 in (997 mm)	523-000028-83	910503700663

\* ENERGY STAR®

Use Item Number when ordering in North America.

## Accessories

See Ordering Information Specification Sheet for additional housing colors.

Item	Housing	Size	Item Number	Philips 12NC
Leader Cable and Terminator, 100 / 220 – 240 VAC	White	10 ft (3 m)	108-000034-01	910503700259
Permanent Wiring Compartment and Terminator, 120 VAC†	White	1.125 x 1.75 x 3.5 in (29 x 45 x 89 mm) (Height x Width x Depth)	120-000065-00	910503700270
Switched Portable Leader Cable and Terminator, 120 VAC	White	10 ft (3 m)	108-000034-00	910503700258
Switched Permanent Wiring Compartment and Terminators, 120 VAC	White	.875 x 2 x 4.25 in (22 x 51 x 108 mm) (Height x Width x Depth)	120-000065-04	910503701022
End-to-End Connector, Quantity 5	White	.875 in (22 mm)	108-000035-10	910503700368
Jumper Cable, 100 / 220–240 VAC	White	6 in (152 mm)	108-000035-05	910503700265
		12 in (305 mm)	108-000035-06	910503700266
		18 in (457 mm)	108-000035-07	910503700267
		5 ft (1.5 m)	108-000035-08	910503700268
Jumper Cable, 120 VAC	White	6 in (152 mm)	108-000035-00	910503700260
		12 in (305 mm)	108-000035-01	910503700261
		18 in (457 mm)	108-000035-02	910503700262
		5 ft (1.5 m)	108-000035-03	910503700263
“Y” Jumper Cable and Terminator, 100 / 220 – 240 VAC	White	16.5 in (419 mm)	108-000035-09	910503700269
“Y” Jumper Cable and Terminator, 120 VAC	White	16.5 in (419 mm)	108-000035-04	910503700264
Mounting Track	White	25 @ 9 in (229 mm)	120-000064-02	910503700273
		25 @ 19 in (483 mm)	120-000064-00	910503700271
		24 @ 39 in (991 mm)	120-000064-01	910503700272

† Requires Jumper Cable for fixture connection

Use Item Number when ordering in North America.

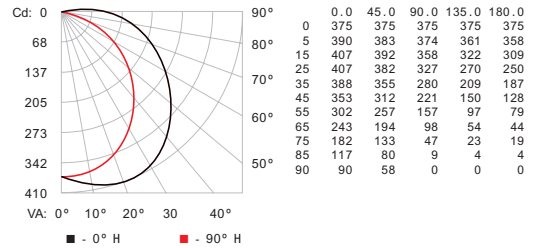


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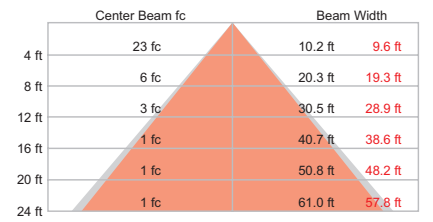
## Photometrics

eW Profile Powercore  
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### Polar Candela Distribution



### Illuminance at Distance

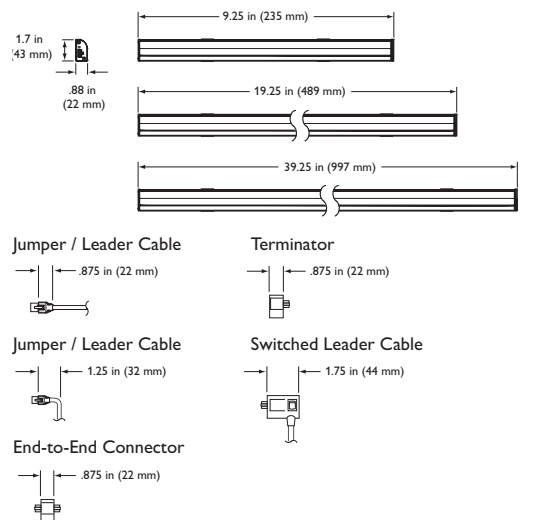


19.4 ft (5.9 m) 1 fc maximum distance  
Vert. Spread: 103.6°  
Horiz. Spread: 100.6°

Lumens	1079
Efficacy	52.6 lm / W

For lux multiply fc by 10.7

## Dimensions



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