eW Profile Powercore

An EssentialWhite™ Product

Preliminary

The **eW**® **Profile Powercore fixture illuminates work surfaces brightly and evenly, without glare or excessive heat. It lights kitchen counter tops (under kitchen cabinets), work stations (office desk tops), work benches (in commercial, research, or academic settings), and similar indoor environments. eW Profile Powercore also provides excellent light in display cases, showcases, and under shelves in retail stores, exhibits, and other venues. The low-profile fixture delivers high-quality illumination, low heat, and long life and is easy to install and operate.**

- Low power consumption
- 2700 K or 4000 K color temperature
- Up to 50 ft (15.2 m) of fixtures may be used in a series
- End-to-end connections
- Low-profile housing: 0.875 in (22mm) high, 1.5 in (mm) wide

- Powercore® technology supports direct line voltage input for simple installations and long runs
- DIMand™ technology provides smooth dimming capability with commercially available ELV-type dimmers
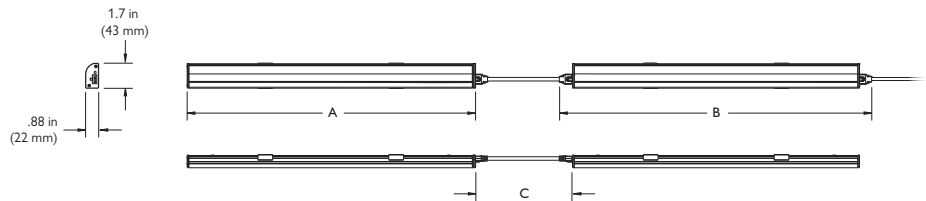
DIMAND®
CK TECHNOLOGY

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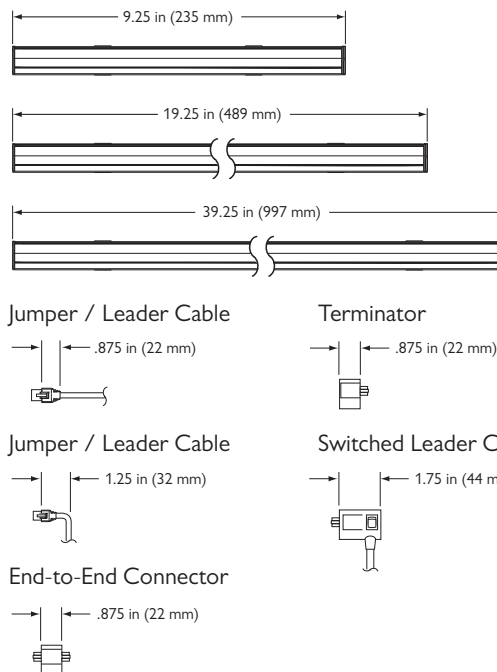**CK** TECHNOLOGY

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eW Profile Powercore Dimensions

The dimensions for the three sizes of eW Profile Powercore fixtures are given in the drawing and table below.

1.7 in (43 mm)

.88 in (22 mm)

A

B

C

A = Fixture length, B = Installation length (fixture and jumper cable connector), C= Jumper cable length

Jumper cables have about 0.5 in (13 mm) of slack, beyond each one's nominal length.

Fixture Length	Jumper Cable Length
9.25 in (235 mm)	6 in (152 mm)
19.25 in (489 mm)	12 in (305 mm)
39.25 in (997 mm)	24 in (610 mm)
	5 ft (1.5 m)

9.25 in (235 mm)

19.25 in (489 mm)

39.25 in (997 mm)

Jumper / Leader Cable

.875 in (22 mm)

Terminator

.875 in (22 mm)

Jumper / Leader Cable

1.25 in (32 mm)

Switched Leader Cable

1.75 in (44 mm)

End-to-End Connector

.875 in (22 mm)

eW Profile Powercore Specifications

Specifications are subject to change without notice.

Length	9.25 in (235 mm) fixture length	19.25 in (489 mm) fixture length	39.25 (997 mm) fixture length
Width	1.7 in (42 mm)		
Height	0.86 in (22 mm); 0.89 (23 mm) with bracket.		
Weight	7 oz. (184 g)	13 oz. (370 g)	25.7 oz. (730 g)
Source	High-efficacy (>40 LPW), high-brightness LEDs that enable eW Profile Powercore installations to meet California Title 24 requirements		
LEDs Per Fixture	5	10	20
Color Temperature	2700 K (+475/-200) or 4000 K (+600/-300)		
Beam Angle	110° x 110°		
CRI	TBD: 2700 K TBD: 4000 K	TBD: 2700 K TBD: 4000 K	TBD: 2700 K TBD: 4000 K
Total Output (Lumens)	TBD: 2700 K TBD: 4000 K	TBD: 2700 K TBD: 4000 K	TBD: 2700 K TBD: 4000 K
Efficacy (Lm/W)	TBD: 2700 K TBD: 4000 K	TBD: 2700 K TBD: 4000 K	TBD: 2700 K TBD: 4000 K
Housing	Aluminum and polycarbonate		
Lens	Clear polycarbonate		
Environmental	UL Damp; IP50		
Inter-fixture Connectors	Three-pin locking connectors		
Maximum Run Length	Not to exceed 50 ft (15.25 m) of fixtures or 324 W total load per run		
Leader Cable	Multiple options are available		
Listings	UL/CUL (120 VAC), CE, FCC (Class B)		
Control	Line switches or commercially-available ELV (electronic low voltage, trailing edge, or reverse-phase control) dimmers		
Line Voltage	100, 120, or 220-240 VAC		
Power Consumption	7 W max. at start-up 6.5 W max. steady state	13 W max. at start-up 10 W max. steady state	25 W max. at start-up 20 W max. steady state
Temperature Range	-4°F – 95°F (-20°C – 50°C)		
Humidity Range	0 – 95%		
LED Source Life	50,000 hours, based on LED manufacturers' test data		

eW Profile Powercore Ordering Information

eW Profile Powercore Item Numbers

Voltage	Color Temp.	Installation Length	Item Number	Part Number
100 VAC	2700 K	11 in (279 mm)	523-000026-00	910503700240
		21 in (533 mm)	523-000026-01	910503700241
		41 in (1041 mm)	523-000026-02	910503700242
	4000 K	11 in (279 mm)	523-000026-03	910503700243
		21 in (533 mm)	523-000026-04	910503700244
		41 in (1041 mm)	523-000026-05	910503700245
120 VAC	2700 K	11 in (279 mm)	523-000027-00	910503700246
		21 in (533 mm)	523-000027-01	910503700247
		41 in (1041 mm)	523-000027-02	910503700248
	4000 K	11 in (279 mm)	523-000027-03	910503700249
		21 in (533 mm)	523-000027-04	910503700250
		41 in (1041 mm)	523-000027-05	910503700251
220 – 240 VAC	2700 K	11 in (279 mm)	523-000028-00	910503700252
		21 in (533 mm)	523-000028-01	910503700253
		41 in (1041 mm)	523-000028-02	910503700254
	4000 K	11 in (279 mm)	523-000028-03	910503700255
		21 in (533 mm)	523-000028-04	910503700256
		41 in (1041 mm)	523-000028-05	910503700257

Accessories for eW Profile Powercore Fixtures

Wiring for eW Profile Powercore fixtures is location-specific:

- For North American installations, use either one UL-compliant wiring compartment and a jumper cable or one UL-compliant switched leader cable to connect line power to the first fixture in a run or series. Use UL-compliant jumper cables to connect additional fixtures to create a continuing run or series.
- Outside North America, one CE-compliant leader cable is required for each series of fixtures. Only CE-compliant jumper cables should be used to connect fixtures in a series or run.

The optional, long mounting bracket kits listed below can be used instead of the included, short brackets. The long brackets provide a smooth, continuous profile for visible fixtures.

Leader Cables	Item Number	Part Number
10 ft (3 m) UL-compliant switched leader cable for portable installations. Includes terminator.	108-000034-00	910503700258
10 ft (3 m) CE-compliant leader cable for use outside North America. Includes terminator.	108-000034-01	910503700259

Jumper Cables	Item Number	Part Number
UL-compliant 6 in (152 mm) jumper cable	108-000035-00	910503700260
UL-compliant 12 in (305 mm) jumper cable	108-000035-01	910503700261
UL-compliant 18 in (458 mm) jumper cable	108-000035-02	910503700262
UL-compliant 5 ft (1.5 m) jumper cable	108-000035-03	910503700263
UL-compliant "Y" 12 in (305 mm) jumper cable with terminator	108-000035-04	910503700264
CE-compliant 6 in (152 mm) jumper cable	108-000035-05	910503700265
CE-compliant 12 in (305 mm) jumper cable	108-000035-06	910503700266
CE-compliant 18 in (458 mm) jumper cable	108-000035-07	910503700267
CE-compliant 5 ft (1.5 m) jumper cable	108-000035-08	910503700268
CE-compliant "Y" 12 in (305 mm) jumper cable with terminator	108-000035-09	910503700269
End-to-end 0.875 in (22 mm) connector	108-000035-10	910503700368

Additional Accessories	Item Number	Part Number
UL-compliant wiring compartment. Required for permanent North American installations to maintain UL compliance. Includes terminator. (Requires jumper cable.)	120-000065-00	910503700270
Terminators, 10 pieces	120-000063-00	910503700275
9 in (229 mm) optional, long mounting bracket kit	120-000064-02	910503700273
19 in (483 mm) optional, long mounting bracket kit	120-000064-00	910503700271
39 in (991 mm) optional, long mounting bracket kit	120-000064-01	910503700272

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