



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

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

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

## eW Fuse Powercore

4 ft (1.2 m), 12.5 W / ft, 2700 K, 30° × 60° beam angle

Linear interior LED wall grazing fixture with solid white light

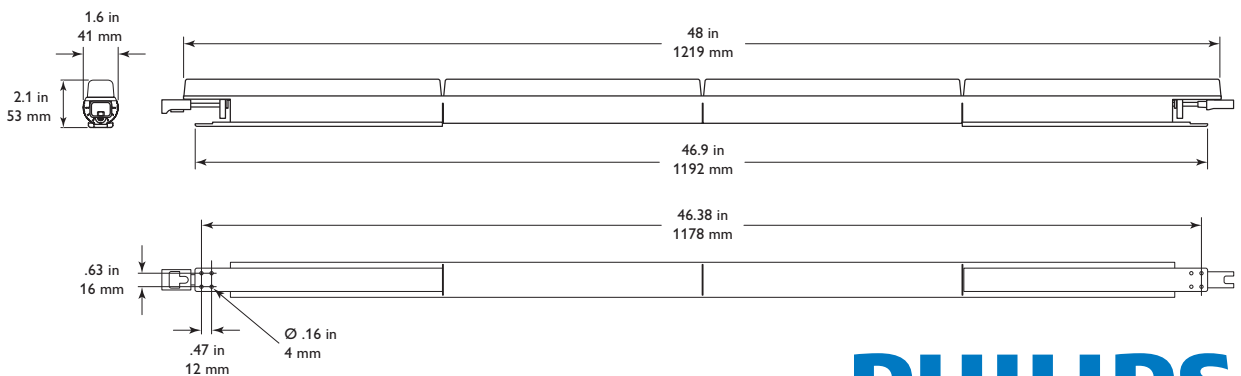
With narrow and medium beams of intense white light, eW Fuse Powercore is an excellent choice for a full range of surface grazing and wall-washing applications. Its ultra-compact form factor permits installation in tight architectural spaces. Meets or exceeds performance of comparable linear fluorescent fixtures while lowering installation, energy, and maintenance costs. Offers environmentally-conscious buyers a green, energy-efficient grazing fixture with industry-leading light quality.

- Lower cost than comparable fluorescent grazing fixtures — With long useful source life and low-maintenance operation, eW Fuse Powercore represents a cost-effective alternative to traditional grazing fixtures.
- High-performance illumination and beam quality — eW Fuse Powercore is available in 1 ft (305 mm) and 4 ft (1.2 m) die-cast aluminum housings with a 10° × 60° or 30° × 60° beam angle. Interlocking connectors accommodate end-to-end placement without visible light scalloping between fixtures.
- Multiple color temperatures — Available in 2700 K, 3000 K, 3500 K, and 4000 K for applications calling for warm, neutral, or cool white light.
- Integrates patented Powercore technology — Powercore efficiently and accurately controls

power directly from line voltage, eliminating the need for an external power supply. Contractor-friendly installation lowers total system cost.

- Support for multiple voltages — Accepts power input of 100 – 277 VAC for consistent line voltage operation in a variety of locations.
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Simple installation — Powercore integrated power management technology simplifies installation and allows long product runs.
- Easy mounting and positioning — With end-to-end locking power connectors that can make 180° turns, eW Fuse Powercore fixtures are easy to position in even the most challenging mounting circumstances. Fixtures rotate in 10° increments through 180° for precise aiming and color mixing. Optional mounting tracks support vertical and overhead positioning. 1 ft (305 mm) and 5 ft (1.5 m) jumper cables can add extra space between fixtures.

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



**PHILIPS**

## Specifications

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

Item	Specification	Details
Output	Lumens†	2144
	Efficacy (lm / W)	45.9
	CRI	81
	Lumen Maintenance‡	50,000 hours L70 @ 25° C 37,000 hours L70 @ 50° C 90,000 hours L50 @ 25° C 80,000 hours L50 @ 50° C
Electrical	Input Voltage	100 – 277 VAC, auto-switching, 50 / 60 Hz
	Power Consumption	50 W maximum at full output, steady state
	Power Factor	> .93 @ 120 V
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	2.1 x 48 x 1.6 in (53 x 1219 x 41 mm)
	Weight	4.37 lbs (1.98 kg)
	Housing	Die-cast aluminium, white powder-coated finish
	Lens	Polycarbonate
	Fixture Connections	Integral male / female connectors
	Temperature	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Humidity	0 – 95%, non-condensing
Certification and Safety	Certification	UL / cUL, FCC, Class B, CE, C-Tick, CCC
	Environment	Dry / Damp Location, IP20

\* 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.

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

## Accessories

Item	Type		Item Number	Philips 12NC
Leader Cable with terminator and strain relief	UL / cUL	10 ft (3 m)	108-000047-00	910503700972
	CE / CCC	10 ft (3 m)	108-000047-01	910503700973
Wiring Compartment with terminator	UL / cUL		120-000077-01	910503700994
Jumper Cable	UL / cUL	1 ft (305 mm)	108-000048-00	910503700974
		5 ft (1.5 m)	108-000048-01	910503700975
	CE / CCC	1 ft (305 mm)	108-000048-02	910503700976
		5 ft (1.5 m)	108-000048-03	910503700977
Terminators	10 / box		120-000099-00	910503701120
Mounting Track, White	Quantity 1	4 ft (1219 mm)	120-000124-00	910503701787

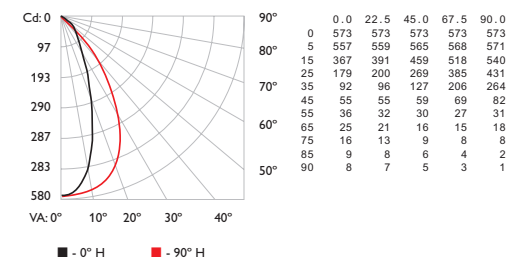


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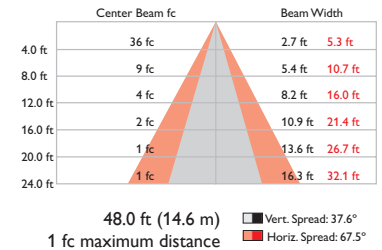
## Photometrics

4 ft (1.2 m), 12.5 W / ft, 2700 K, 30° x 60° beam angle

### Polar Candela Distribution



### Illuminance at Distance



Lumens	2144
Efficacy	45.9 lm/W

For lux multiply fc by 10.7

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## Fixtures

Type	Beam Angle	Item Number	Philips 12NC
1 ft (305 mm) 2700 K	10° x 60°	523-000065-08	910503701717
	30° x 60°	523-000065-12	910503701721
1 ft (305 mm) 3000 K	10° x 60°	523-000065-09	910503701718
	30° x 60°	523-000065-13	910503701722
1 ft (305 mm) 3500 K	10° x 60°	523-000065-10	910503701719
	30° x 60°	523-000065-14	910503701723
1 ft (305 mm) 4000 K	10° x 60°	523-000065-11	910503701720
	30° x 60°	523-000065-15	910503701724
4 ft (1.2 m) 2700 K	10° x 60°	523-000065-16	910503702617
	30° x 60°	523-000065-20	910503702621
4 ft (1.2 m) 3000 K	10° x 60°	523-000065-17	910503702618
	30° x 60°	523-000065-21	910503702622
4 ft (1.2 m) 3500 K	10° x 60°	523-000065-18	910503702619
	30° x 60°	523-000065-22	910503702623
4 ft (1.2 m) 4000 K	10° x 60°	523-000065-19	910503702620
	30° x 60°	523-000065-23	910503702624

Use Item Number when ordering in North America.

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