eColor Fuse Powercore

Blue, 10° x 60° Beam Angle, 1219 mm (4 ft)

Interior linear grazing luminaire with solid color light

With narrow and medium beams of intense solid color light, eColor Fuse Powercore is an excellent choice for surface grazing and wall-washing applications. Its ultra-compact form factor permits installation in tight spaces too small to accommodate conventional grazing luminaires with similar light output. Lowers installation, energy, and maintenance costs. Offers environmentally-conscious buyers a green, energy-efficient grazing luminaire with industry-leading quality and quantity of light.

- High-performance beam quality—Available in narrow 10° x 60° or medium 30° x 60° beam angle. Superior beam quality delivers striation-free light as close as 152 mm (6 in) from luminaire placement. Interlocking connectors for end-to-end installation with no light scalloping between luminaires.

- Integrates patented Powercore technology—Powercore rapidly, efficiently, and accurately controls power directly from line voltage, eliminating the need for an external power supply, dramatically simplifying installation, and lowering total system cost.

- Support for multiple voltages—Accepts power input of 100 to 277 VAC for consistent installation and operation from line voltage in any location around the world.

- Dimming capability—Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.

- Simple installation—Contractor-friendly installation allows long product runs. Easy-to-install 1219 mm (4 ft) mounting tracks allow quick project setup in linear applications.

- Easy mounting and positioning—With end-to-end locking power connectors that can make turns of up to 180°, eColor Fuse Powercore luminaires are easy to position in even the most challenging mounting circumstances. Luminaires rotate in 10° increments through 180° for precise aiming and color mixing. Optional mounting tracks support vertical and overhead positioning. 305 mm (1 ft) and 1.5 m (5 ft) jumper cables can add extra space between luminaires.

- Cost-effective alternative—Long, useful source life and low-maintenance operation provide a cost-effective alternative to traditional grazing luminaires.

For detailed product information, please refer to the Fuse Product Guide at www.colorkinetics.com/global/products/essentialcolor/ecfusepc/

COLORKINETICS

Specifications

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

Output

Beam Angle	10° x 60°
Color	Blue

Electrical

Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz
Power Consumption (Maximum at full output, steady state)	50 W
Surge Limits¶	0.5 kV maximum differential (L to N)
	1 kV maximum common (L to Gnd or N to Gnd)

For additional Surge Protection Requirements for LED Lighting Systems, please refer to www.colorkinetics.com/KB/surge-protection.

Control

Dimmer

Compatible with selected commercially available reverse-phase ELV-type dimmers

Physical

Dimensions (Height x Width x Depth)	53 x 1219 x 41 mm (2.06 x 48 x 1.62 in)
Weight	1.98 kg (4.37 lb)
Housing Material	Die-cast aluminium, white powder-coated finish
Lens	Polycarbonate
Luminaire Connections	Integral male/female connectors

Temperature Ranges

-20 to 50 °C (-4 to 122 °F) Operating
-20 to 50 °C (-4 to 122 °F) Startup
-40 to 80 °C (-40 to 176 °F) Storage

Humidity	0 to 95%, non-condensing

Luminaire Run Lengths

To calculate luminaire run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.colorkinetics.com/support/install_tool/
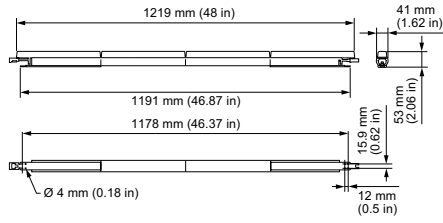
Certification and Safety

Approbation	UL/cUL, FCC Class B, CE, C-Tick, CCC, SAA
Environment	Dry/Damp Location, IP20

‡ Refer to www.colorkinetics.com/support/appnotes/ for more information.

¶ Minimum surge limits per IEC 61547, tested in accordance with IEC 61000-4-5.

Dimensions

1219 mm (48 in)

41 mm (1.62 in)

1191 mm (46.87 in)

1178 mm (46.37 in)

53 mm (2.06 in)

15.9 mm (0.62 in)

Ø 4 mm (0.18 in)

12 mm (0.5 in)

For help estimating the light output and distribution of eColor lighting luminaires, please contact Color Kinetics Applications Engineering Services at http://www.lighting.philips.com/support/connect/contact-us.

Luminaire and Accessories

Luminaire	Item Number	Item 12NC
eColor Fuse Powercore, Blue, 10° x 60° Beam Angle, 1219 mm (4 ft)	223-000065-18	910503702602

Accessories		
Leader Cable with Terminator and Strain Relief, UL/cUL, 3 m (10 ft)	108-000047-00	910503700972
Leader Cable with Terminator and Strain Relief, CE/CCC, 3 m (10 ft)	108-000047-01	910503700973
Wiring Compartment with Terminator, UL/cUL	120-000077-01	910503700994
Jumper Cable, UL/cUL, 305 mm (1 ft)	108-000048-00	910503700974
Jumper Cable, UL/cUL, 1.5 m (5 ft)	108-000048-01	910503700975
Jumper Cable, CE/CCC, 305 mm (1 ft)	108-000048-02	910503700976
Jumper Cable, CE/CCC, 1.5 m (5 ft)	108-000048-03	910503700977
Terminators, Quantity 10	120-000099-00	910503701120
Mounting Track, White, 1 @ 1219 mm (4 ft)	120-000124-00	910503701787

COLOR **KINETICS**

Color Kinetics
www.colorkinetics.com/global/products/essentialcolor/ecfusepc/

3/25/2021