

# eColor Fuse Powercore

Date: \_\_\_\_\_  
Type: \_\_\_\_\_  
Firm Name: \_\_\_\_\_  
Project: \_\_\_\_\_

**Red, 30° 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/](http://www.colorkinetics.com/global/products/essentialcolor/ecfusepc/)

# Specifications

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

## Output

Beam Angle	30° x 60°
Color	Red

## Electrical

Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz
Power Consumption (Maximum at full output, steady state)	50 W
Surge Limits <sup>¶</sup>	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](http://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
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### 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/](http://www.colorkinetics.com/support/install_tool/)

## Certification and Safety

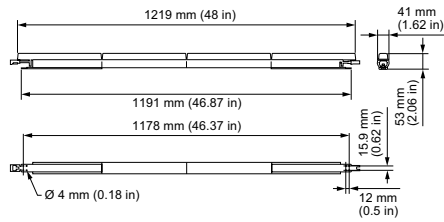
Approbation	UL/cUL, FCC Class B, CE, C-Tick, CCC, SAA
Environment	Dry/Damp Location, IP20



‡ Refer to [www.colorkinetics.com/support/appnotes/](http://www.colorkinetics.com/support/appnotes/) for more information.

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

# Dimensions



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

Use Item Number when ordering in North America

<b>Luminaire</b>	<b>Item Number</b>	<b>Item 12NC</b>
eColor Fuse Powercore, Red, 30° x 60° Beam Angle, 1219 mm (4 ft)	223-000065-20	910503702604
<b>Accessories</b>		
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



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