

Date: _____ Type: _____

Firm Name: _____

Project: _____

ColorGraze EC Powercore

Cost-effective linear exterior LED wall grazing fixture with intelligent color light

The most cost-effective of our color-changing grazing fixtures, ColorGraze EC Powercore features a wide beam angle (90° x 90°) that produces a soft-edged, volume fill for exterior cove, niche, and architectural detail illumination. Low-profile housing, connectorized cabling, a universal power input range, and direct line-voltage operation make fixtures easy to install and operate.

- Available in four standard lengths. Addressable in 1 ft (305 mm) segments for fine control of color-changing effects and light shows.
- Superior beam quality offers striation-free saturation for several feet from fixture

placement with no visible light scalloping between fixtures.

- Convenient push-and-click connectors let you easily and rapidly install Leader Cables and Jumper Cables. Constant torque locking hinges offer simple and consistent position control from various angles.
- Accepts a power input range of 100 – 277 VAC for consistent installation in any location.

For detailed product information, please refer to the ColorGraze Powercore Family Product Guide at www.philipscolorkinetics.com/ls/rgb/colorgrazeecpowercore/

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

| Item | Specification | 1 ft (305 mm) | 2 ft (610 mm) | 3 ft (914 mm) | 4 ft (1219 mm) |
|--------------------------|-------------------------------------|--|--|--|--|
| Output | Lumens* | 241 | 482 | 723 | 964 |
| | LED Channels | Red / Green / Blue | | | |
| | Lumen Maintenance† | 80,000 hours L70 @ 25° C | 60,000 hours L70 @ 50° C | 100,000 hours L50 @ 25° C | 80,000 hours L50 @ 50° C |
| Electrical | Input Voltage | 100 – 277 VAC, auto-ranging, 50 / 60 Hz | | | |
| | Power Consumption | 10 W max. at full output, steady state | 20 W max. at full output, steady state | 30 W max. at full output, steady state | 40 W max. at full output, steady state |
| Control | Interface | Data Enabler Pro (DMX or Ethernet) | | | |
| | Control System | Philips Color Kinetics full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers | | | |
| Physical | Dimensions (Height x Width x Depth) | 2.7 x 12 x 2.8 in (69 x 305 x 71 mm) | 2.7 x 24 x 2.8 in (69 x 610 x 71 mm) | 2.7 x 36 x 2.8 in (69 x 914 x 71 mm) | 2.7 x 48 x 2.8 in (69 x 1219 x 71 mm) |
| | Weight | 2.1 lb (1.0 kg) | 4.6 lb (2.1 kg) | 7.1 lb (3.2 kg) | 9.3 lb (4.2 kg) |
| | Housing | Extruded anodized aluminum | | | |
| | Lens | Clear polycarbonate | | | |
| | Fixture Connectors | Integral male / female waterproof connectors | | | |
| | Mounting | Multi-positional, constant torque locking hinges | | | |
| | 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 | Fixture Run Lengths | To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/ | | | |
| | Certification | UL / cUL, FCC Class A, CE, PSE, C-Tick | | | |
| | Environment | Dry / Damp / Wet Location, IP66 | | | |

* 1 ft (305 mm) lumen output measurements comply with IES LM-79-08 testing procedures. 2 ft (610 mm), 3 ft (914 mm), and 4 ft (1219 mm) measurements are estimated based on the 1 ft (305 mm) measurements.

† 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 for more information.



PHILIPS

Fixtures

| Item | Beam Angle | Item Number | Philips 12NC |
|--|------------|---------------|--------------|
| ColorGrazec EC Powercore 1 ft (305 mm) | 90° x 90° | 123-000079-40 | 910503703367 |
| ColorGrazec EC Powercore 2 ft (610 mm) | 90° x 90° | 123-000079-41 | 910503703368 |
| ColorGrazec EC Powercore 3 ft (914 mm) | 90° x 90° | 123-000079-42 | 910503703369 |
| ColorGrazec EC Powercore 4 ft (1219 mm) | 90° x 90° | 123-000079-43 | 910503703370 |

Use Item Number when ordering in North America.

Accessories and Data Enabler Pro

| Item | Type | Size | Item Number | Philips 12NC |
|------------------------------|----------|----------------|---------------|--------------|
| Leader Cable with Terminator | UL / cUL | 10 ft (3.0 m) | 108-000055-03 | 910503704066 |
| | | 50 ft (15.2 m) | 108-000055-00 | 910503703137 |
| | CE / PSE | 10 ft (3.0 m) | 108-000055-04 | 910503704067 |
| | | 50 ft (15.2 m) | 108-000055-01 | 910503704064 |
| Jumper Cable | UL / cUL | End-to-End | 108-000057-00 | 910503703139 |
| | | 1 ft (305 mm) | 108-000057-03 | 910503704076 |
| | | 5 ft (1.5 m) | 108-000057-06 | 910503704079 |
| | CE / PSE | 10 ft (3.0 m) | 108-000057-09 | 910503704082 |
| | | End-to-End | 108-000057-01 | 910503704074 |
| | | 1 ft (305 mm) | 108-000057-04 | 910503704077 |
| | | 5 ft (1.5 m) | 108-000057-07 | 910503704080 |
| | | 10 ft (3.0 m) | 108-000057-10 | 910503704083 |
| Glare Shield | | 1 ft (305 mm) | 120-000081-00 | 910503700745 |
| | | 2 ft (610 mm) | 120-000081-01 | 910503700746 |
| | | 3 ft (914 mm) | 120-000081-02 | 910503700747 |
| | | 4 ft (1219 mm) | 120-000081-03 | 910503700748 |
| Additional Terminators | | Quantity 10 | 120-000157-00 | 910503703142 |
| Additional Hinge | | Quantity 1 | 120-000098-00 | 910503700772 |

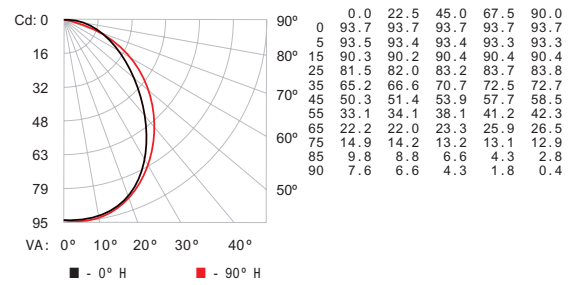
| | | | |
|------------------|---|---------------|--------------|
| Data Enabler Pro | 3/4 in / 1/2 in NPT (U.S. trade size conduit) | 106-000004-00 | 910503701210 |
| | PG21 / PG13 (metric size conduit) | 106-000004-01 | 910503701211 |

Use Item Number when ordering in North America.

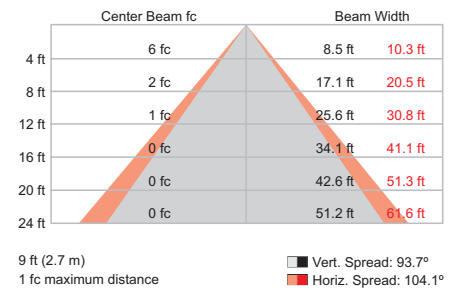
Photometrics

ColorGrazec EC Powercore
1 ft (305 mm), 90° x 90° beam angle

Polar Candela Distribution



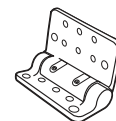
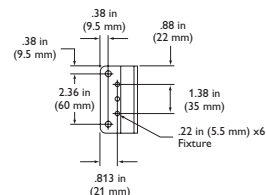
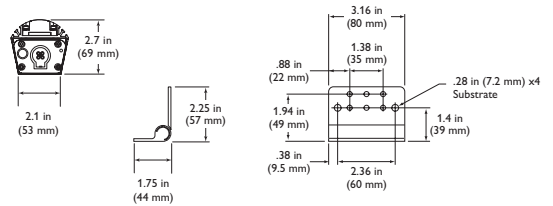
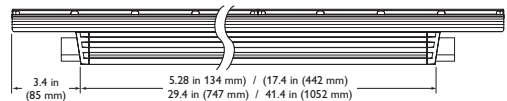
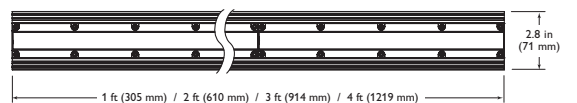
Illuminance at Distance



| LED | Lumens | Efficacy |
|-----|--------|----------|
| RGB | 241 | 15.4 |

For lux multiply fc by 10.7

Dimensions



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