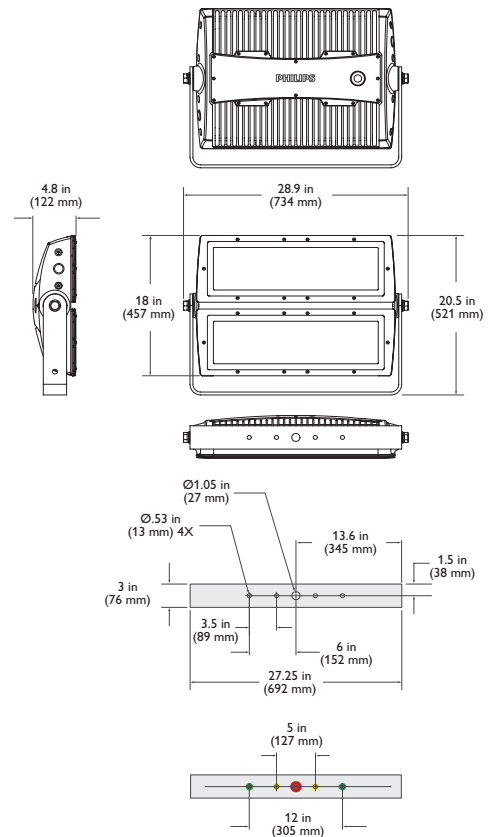# eColor Reach Powercore gen2

## Premium long-throw exterior LED floodlight with solid color light

eColor Reach Powercore gen2 combines all the benefits of LED-based lighting and control in an elegant fixture specifically designed for large-scale installations, such as skyscrapers, casinos, bridges, piers, public monuments, and themed attractions. With significantly more lumen output than any other competitive fixture and unprecedented light projection, this powerful fixture represents the next generation in exterior illumination. Fixtures are available in solid red, green, blue, or amber light.

- Integrates Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage.

- Versatile optics — 5° native beam angle and exchangeable spread lenses of 8°, 13°, 23°, 40°, 63°, and an asymmetric 5° x 17° support a variety of photometric distributions for a multitude of applications, including spotlighting, wall grazing, and asymmetric wall washing. Bezel and gasket are included with spread lenses for easy user installation.

- Unique split design — Spread lenses fit over each half of the fixture to support diffuser combinations. For instance, you could use one spread lens on the fixture's lower half to bathe a large façade with light at street level, and a different spread lens to project light hundreds of feet up the building's walls.

- Simple fixture positioning — Rugged, slim-profile mounting bracket allows simple positioning and fixture rotation through a full 360°. Side locking bolts reliably secure fixture with a standard wrench.

4.8 in (122 mm)

28.9 in (734 mm)

18 in (457 mm)

20.5 in (521 mm)

Ø1.05 in (27 mm)

Ø.53 in (13 mm) 4X

13.6 in (345 mm)

1.5 in (38 mm)

3 in (76 mm)

3.5 in (89 mm)

6 in (152 mm)

27.25 in (692 mm)

5 in (127 mm)

12 in (305 mm)

- Universal power input range — eColor Reach Powercore gen2 accepts a universal power input range of 100 – 240 VAC, allowing consistent installation around the world.

For detailed product information, please refer to the eColor Reach Powercore gen2 Product Guide at www.philipscolorkinetics.com/ls/essentialcolor/ecolorreach/

# PHILIPS

# Specifications

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

| Item | Specification | Details |
|---|---|---|
| Output | Beam Angle | 5° primary optic (no spread lens)<br>8° / 13° / 23° / 40° / 63° / 5° x 17° (asymmetric) spread lenses |
| Electrical | Input Voltage | 100 – 240 VAC, auto-switching, 50 / 60 Hz |
| | Power Consumption | 250 W maximum at full output, steady state |
| Control | | On / Off |
| Physical | Dimensions<br>*(Height x Width x Depth)* | 20.5 x 28.9 x 4.8 in   (521 x 734 x 122 mm) |
| | Weight | 75 lb (34 kg) |
| | Effective Projected Area (EPA) | 0.42 m$^2$ |
| | Housing | Die-cast aluminium, powder-coated finish |
| | Lens | Tempered glass |
| | Fixture Connections | 6 ft (1.8 m) unified power / data cable |
| | Temperature Ranges | -40° – 122° F   (-40° – 50° C) Operating<br>-4° – 122° F   (-20° – 50° C) Startup<br>-40° – 176° F (-40° – 80° C) Storage |
| | Humidity | 0 – 95%, non-condensing |
| | 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 and Safety | Certification | UL / cUL, FCC Class A, CE, PSE, C-Tick |
| | Environment | Dry / Damp / Wet Location, IP66 |

✳ *For help estimating the light output and distribution of eColor lighting fixtures, please contact Philips Color Kinetics Applications Engineering Services at support@colorkinetics.com.*

# Fixtures and Accessories

| Item | Type | Item Number | Philips 12NC |
|---|---|---|---|
| eColor Reach Powercore gen2<br>*Includes 6 ft (1.8 m) Leader Cable* | Red | 523-000044-58 | 910503703940 |
| | Green | 523-000044-60 | 910503703941 |
| | Blue | 523-000044-62 | 910503703942 |
| | Amber | 523-000044-64 | 910503703943 |
| Replacement Leader Cable 6 ft (1.8 m) | UL / cUL | 108-000046-00 | 910503700621 |
| | CE | 108-000046-01 | 910503700622 |
| Spread Lens with bezel | 13° | 120-000068-00 | 910503700506 |
| | 23° | 120-000068-01 | 910503700507 |
| | 40° | 120-000068-02 | 910503700508 |
| | 63° | 120-000068-03 | 910503700509 |
| | Asymmetric (5° x 17°) | 120-000068-04 | 910503700510 |
| | 8° | 120-000068-05 | 910503700511 |

Use Item Number when ordering in North America.

PHILIPS

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