



Date: _____ Type: _____

Firm Name: _____

Project: _____

iW Cove MX Powercore

110° × 110° (wide) beam angle

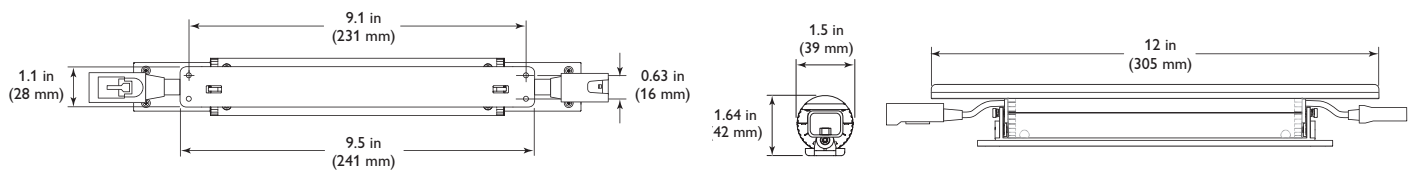
Premium interior linear LED cove and accent fixture with intelligent white light

iW Cove MX Powercore is a high-performance, white-light LED fixture that brilliantly illuminates alcoves and other interior spaces wherever adjustable color temperature is required. With three channels of warm, neutral, and cool LED sources, this compact, versatile fixture offers a color temperature range of 2700 K to 6500 K. With its rotating housing, flexible end-to-end locking power connectors, and wide and medium beam angles, iW Cove MX Powercore is the perfect choice for retail, exhibit, hospitality, and architectural applications.

- Universal power input range — iW Cove MX Powercore accepts power input of 100 to 240 VAC. Depending on input voltage, a single Philips Color Kinetics Data Enabler Pro can support from 46 to 105 iW Cove MX Powercore fixtures installed end-to-end in a single run.
- Integrates Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to iW Cove MX Powercore fixtures directly from line voltage. The Philips Data Enabler Pro merges line voltage with control and delivers them to the fixture over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Superior beam quality — Available in wide (110° × 110°) and medium (50° × 70°) beam angles, iW Cove MX Powercore delivers striation-free light within close distance from fixture placement with no visible light scalloping between fixtures.

- High-performance illumination in a wide range of color temperatures — Channels of warm, neutral, and cool white LEDs produce color temperatures ranging from 2700 K to 6500 K. iW Cove MX Powercore offers the greatest possible light intensity at all color temperatures. Fixture brightness can be varied while maintaining constant color temperature.
- Superior binning algorithm sets new standard for color consistency — Exceeds the recognized standards for color quality to guarantee uniformity and consistency of hue and color temperature across LEDs, fixtures, and manufacturing runs.
- Easy installation — By delivering line voltage directly to the fixtures, Powercore simplifies installation by reducing the number of external power supplies, allowing long product runs and eliminating the need for special wiring. Easy-to-install 4 ft (1.2 m) mounting tracks allow quick project setup in linear applications.
- Flexible mounting and positioning — With end-to-end locking power connectors that can make 180° turns, these compact cove fixtures are easy to position in even the most challenging mounting circumstances. 1 ft (305 mm) and 5 ft (1.5 m) jumper cables can add extra space between fixtures. Optional mounting tracks support vertical and overhead positioning.

For detailed product information, please refer to the iW Cove MX Powercore Product Guide at www.philipscolorkinetics.com/ls/intelliwhite/iwcovemxpc/



Specifications

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

| Item | Specification | Details |
|--------------------------|---|--|
| Output | Beam Angle | 110° x 110° |
| | Color Temperature* | 2700 K – 6500 K |
| | Lumens† | 656 (All channels full on) 184 (2700 K channel only) 243 (4000 K channel only) 271 (6500 K channel only) |
| | Efficacy (lm / W) | 37.3 (All channels full on) 20.9 (2700 K channel only) 27.2 (4000 K channel only) 31.2 (6500 K channel only) |
| | CRI | 82 (All channels full on) 85 (2700 K channel only) 81 (4000 K channel only) 73 (6500 K channel only) |
| | Lumen Maintenance‡ | 50,000 hours L70 @ 25° C 50,000 hours L70 @ 50° C 50,000 hours L50 @ 25° C 50,000 hours L50 @ 50° C |
| | Electrical | Input Voltage |
| Power Consumption | | 13 W maximum at full output, steady state |
| Control | Interface | Data Enabler Pro (DMX / Ethernet) Fixture firmware addressable 8- or 16-bit control |
| | Control System | Philips full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers |
| Physical | Dimensions (Height x Width x Depth) | 1.6 x 12 x 1.5 in (42 x 305 x 39 mm) |
| | Weight | 0.92 lb (0.42 kg) |
| | Housing | Die-cast aluminium, white powder-coated finish. |
| | Lens | Clear polycarbonate |
| | Fixture Connections | Integral male / female connectors |
| | Temperature Ranges | -4° – 122° F (-20° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage |
| | Humidity | 0 – 95%, non-condensing |
| | Fixture Run Lengths Per Data Enabler Pro§ | 46 @ 100 VAC 56 @ 120 VAC 97 @ 208 VAC 100 @ 220 VAC 105 @ 240 VAC <i>Example configuration: Fixtures installed end-to-end, 20 A circuit, standard 10 ft (3.1 m) Leader Cable</i> |
| Certification and Safety | Certification | UL / cUL, FCC Class B, CE, PSE, 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 for more information.

§ These figures, provided as a guideline, are accurate for this configuration only. Changing the configuration can affect the fixture run lengths.

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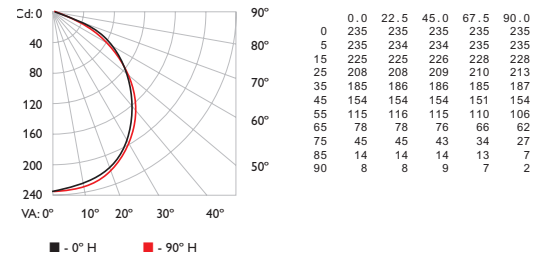
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POWERCORE
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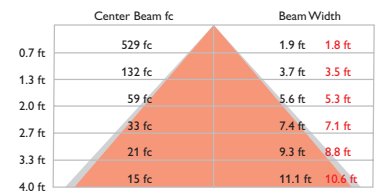
Photometrics

110° x 110° beam angle, full on

Polar Candela Distribution



Illuminance at Distance



15.3 ft (4.7 m) 1 fc maximum distance

Vert. Spread: 108.6°
Horiz. Spread: 105.9°

| | |
|----------|-------------|
| Lumens | 656 |
| Efficacy | 37.3 lm / W |

For lux multiply fc by 10.7

Fixtures and Accessories

| Item | Type | Item Number | Philips 12NC |
|------------------------------|---|--|--|
| iW Cove MX Powercore | 110° x 110° beam angle | 523-000002-02 | 910503701230 |
| | 50° x 70° beam angle | 523-000002-03 | 910503701231 |
| Mounting Track | 25 @ 4 ft (1219 mm) | 123-000006-00 | 910503700149 |
| Leader Cable with terminator | 10 ft (3.1 m) | UL / cUL 108-000050-00 CE / CCC 108-000050-01 | 910503701686 910503701687 |
| | Jumper Cable | 1 ft (305 mm) | UL / cUL 108-000049-01 CE / CCC 108-000049-03 |
| 5 ft (1.5 m) | | UL / cUL 108-000049-00 CE / CCC 108-000049-02 | 910503701682 910503701684 |
| | | Wiring Compartment with Terminator | 120-000077-02 |
| 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.



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