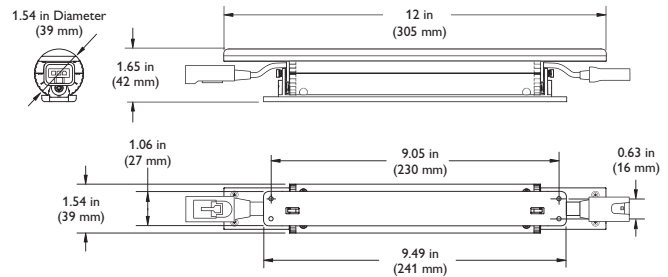# eW Cove MX Powercore

3500 K, 110° x 110° Beam Angle

Maximum output linear LED fixture for cove, general, and accent lighting

eW® Cove MX Powercore delivers the highest light output in the line of solid white linear cove lights from Philips Color Kinetics. With superior light output, beam angles from narrow to wide, and a range of color temperatures, eW Cove MX Powercore can be used for accent lighting and indirect general illumination, as well as the full range of wall and ceiling cove applications. eW Cove MX Powercore meets or exceeds the performance of comparable linear fluorescent strip cove lights while lowering installation, energy, and maintenance costs. eW Cove MX Powercore offers environmentally conscious buyers a green, energy-efficient lighting solution without sacrificing quality or quantity of light.

- Maximum light output — Delivers white or colored light at up to 632 lumens per foot.

- Superior binning algorithm sets new standard for color consistency — eW Cove MX Powercore exceeds the recognized standards for color quality to guarantee uniformity and consistency of hue and color temperature across LEDs, fixtures, and manufacturing runs.

- Lower cost than comparable fluorescent strip lighting — With efficacy of up to 52. 7 lm / W, long useful life, and low-maintenance operation, eW Cove MX Powercore offers lower first and total cost than dimmable T5HO and 2-lamp T8 strip lights in typical cove applications.

- Multiple options for design and application flexibility — Available in five color temperatures, ranging from a warm 2700 K to a cool 4000 K, and four solid colors (Red, Green, Blue, and Amber). Beam angle options include 10° x 70°, 40° x 70°, and 110° x 110°.

- Integrates patented Powercore® technology — Powercore rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage, eliminating the need for external power supplies and allowing product runs of 200 ft (61 m) or more. Contractor-friendly installation dramatically simplifies installation and lowers total system cost.

- Support for multiple voltages — Accepts power input of 100, 120, or 220 – 240, or 277 VAC for consistent installation and operation from line voltage in a variety of locations.

- Smooth, deep dimming — Full dimming down to 1% with no flickering. Compatible with many two- and three-wire electronic low voltage (ELV) dimmers for all input voltages.

- Easy mounting and positioning — With end-to-end locking power connectors that can make 180° turns, eW Cove MX Powercore fixtures are easy to position in even the most challenging mounting circumstances. Fixtures rotate in 10° increments through a full 180° for precise aiming and color mixing. Optional mounting tracks allow quick project setup in linear applications, and support vertical and overhead positioning. Available jumper cables can add extra space between fixtures.

For detailed product information, please refer to the eW Cove MX Powercore Product Guide at www.colorkinetics.com/ls/essentialwhite/ewcovemxpc/

PHILIPS

Specifications

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

Item		Specification	3500 K, 110° x 110° Beam Angle
Output		Lumens†	576
		Efficacy	48.0
		CRI	84
		Lumen Maintenance‡	50,000 hours L70 @ 50° C
Electrical		Input Voltage	100 / 120 / 208 / 220 – 240 / 277 VAC, auto-switching, 50 / 60 Hz
		Power Consumption	12.0 W maximum at full output, steady state
		Power Factor	.99
Control		Dimming	Compatible with many commercially available ELV, trailing edge, or reverse-phase control dimmers.
Physical		Dimensions (Height x Width x Depth)	1.54 x 12 x 1.65 in (39 x 305 x 42 mm)
		Weight	0.19 lbs (85 g)
		Housing	Die-cast aluminium, white powder-coated finish.
		Lens	Polycarbonate
		Fixture Connections	Integral male / female connectors
		Operating Temperature	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup
		Humidity	0 – 95%, non-condensing
		Maximum Fixture Run Length*	50 @ 100 VAC 100 @ 120 VAC 150 @ 208 VAC 175 @ 220 – 240 VAC 215 @ 277 VAC *Configuration: Fixtures installed end-to-end, 20 A circuit, standard 10 ft (3.1 m) Leader Cable*
Certification and Safety		Certification	UL / cUL, FCC, CE, CCC
		LED Class	Class 2 LED product
		Environment	Dry / Damp Location, IP50
		Energy Efficiency	California Title 24 Compliant

† Lumen measurement complies with IES LM-79-08 testing procedures

‡ L70 = 70% maintenance of lumen output (when light output drops below 70% of initial output). Ambient temperature specified.

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

Accessories

Item	Type		Item Number	Philips 12NC
Leader Cable with terminator and strain relief	UL / cUL	10 ft (3 m)	108-000047-00	910503700972
	CE / CCC	10 ft (3 m)	108-000047-01	910503700973
Wiring Compartment with terminator	UL / cUL		120-000077-01	910503700994
Jumper Cable	UL / cUL	1 ft (305 mm)	108-000048-00	910503700974
		5 ft (1.5 m)	108-000048-01	910503700975
	CE / CCC	1 ft (305 mm)	108-000048-02	910503700976
		5 ft (1.5 m)	108-000048-03	910503700977
Mounting Track	25 / box	4 ft (1219 mm)	523-000006-01	910503700452

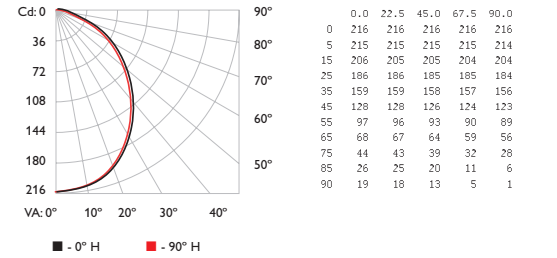Use Item Number when ordering in North America.

Photometrics

3500 K, 110° x 110° beam angle

Polar Candela Distribution

	0.0	22.5	45.0	67.5	90.0
0	216	216	216	216	216
5	215	215	215	215	214
15	206	205	205	204	204
25	186	186	185	185	184
35	159	159	158	157	156
45	128	128	126	124	123
55	97	96	93	90	89
65	68	67	64	59	56
75	44	43	39	32	28
85	26	25	20	11	6
90	19	18	13	5	1

■ - 0° H   ■ - 90° H

Illuminance at Distance

	Center Beam fc	Beam Width	
0.7 ft	486 fc	1.7 ft	1.6 ft
1.3 ft	122 fc	3.3 ft	3.1 ft
2.0 ft	54 fc	5.0 ft	4.7 ft
2.7 ft	30 fc	6.7 ft	6.2 ft
3.3 ft	19 fc	8.4 ft	7.8 ft
4.0 ft	14 fc	10.0 ft	9.3 ft

14.7 ft (4.5 m)
1 fc maximum distance

■ Vert. Spread: 102.8°
■ Horiz. Spread: 98.6°

For lux multiply fc by 10.7
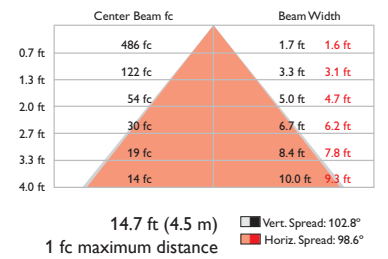
Power Consumption	12 W
Lumens	576
Efficacy	48 lm /W

Fixtures

Type	Beam Angle	Item Number	Philips 12NC
2700 K	10° x 70°	523-000050-00	910503700978
	40° x 70°	523-000050-01	910503700979
	110° x 110°	523-000050-02	910503700980
3000 K	10° x 70°	523-000050-04	910503700982
	40° x 70°	523-000050-05	910503700983
	110° x 110°	523-000050-06	910503700984
3500 K	10° x 70°	523-000050-08	910503700986
	40° x 70°	523-000050-09	910503700987
	110° x 110°	523-000050-10	910503700988
4000 K	10° x 70°	523-000050-13	910503700990
	40° x 70°	523-000050-14	910503700991
	110° x 110°	523-000050-15	910503700992
Red	10° x 70°	223-000050-04	910503701108
	40° x 70°	223-000050-08	910503701112
	110° x 110°	223-000050-00	910503701104
Green	10° x 70°	223-000050-05	910503701109
	40° x 70°	223-000050-09	910503701113
	110° x 110°	223-000050-01	910503701105
Blue	10° x 70°	223-000050-06	910503701110
	40° x 70°	223-000050-10	910503701114
	110° x 110°	223-000050-02	910503701106
Amber	10° x 70°	223-000050-07	910503701111
	40° x 70°	223-000050-11	910503701115
	110° x 110°	223-000050-03	910503701107

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