

# eW Cove MX Powercore

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



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eW<sup>®</sup> Cove MX Powercore delivers the highest light output in the line of solid white linear cove lights from Philips Color Kinetics. With its superior light output, wide beam angle, and a range of fixed colors and 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 eW Cove MX Powercore delivers fixed white or solid color light at up to 632 lumens per foot.
- Lower cost than comparable fluorescent strip lighting — With efficacy of up to 53.1 lm / W, competitive pricing, long useful life, and lowmaintenance-free operation, eW Cove MX
   Powercore represents a cost-effective alternative to traditional cove lights. eW Cove MX Powercore offers lower first and total cost than dimmable T5HO and 2-lamp T8 strip lights in typical cove applications.
- Multiple color temperature options for design and application flexibility — Available in four color temperatures, ranging from a warm 2700 K to a cool 4000 K, and four solid colors (Red, Green, Blue, and Amber).
- Integrates patented Powercore<sup>®</sup> technology

   Powercore rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage, eliminating the need for external power supplies and lowering total system cost.
- Superior color consistency and accuracy Optibin<sup>®</sup>, an advanced binning algorithm, exceeds the recognized standards for color quality to guarantee uniformity and consistency of hue and

color temperature across LED sources, fixtures, and manufacturing runs.

- Support for multiple voltages Accepts power input of 100, 120, 208, 220 – 240, and 277 VAC, allowing consistent installation in any location around the world.
- Dimming capability Patented DIMand<sup>®</sup> technology offers smooth dimming capability with many electronic low voltage (ELV) dimmers for all input voltages.
- Simple installation Powercore delivers line voltage directly to the fixtures, simplifying installation and allowing product runs of 50 fixtures at 100 VAC to 139 fixtures at 277 VAC. Easy-toinstall 4 ft (1.2 m) mounting tracks allow quick project setup in linear applications.
- Easy mounting and positioning With end-toend 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 170° for precise aiming and color mixing. Optional mounting tracks support vertical and overhead positioning. 1 ft (305 mm) and 5 ft (1.5 m) jumper cables can add extra space between fixtures.



### **ENERGY STAR®** Certified

As an ENERGY STAR certified LED luminaire, eW Cove MX Powercore meets ENERGY STAR requirements for efficacy, color rendering, color consistency, useful life, and power factor.



### Complex, Clean, and Contemporary

World Market Center, a world-class design center in Las Vegas, Nevada, uses thousands of feet of cove lighting fixtures to transform the atrium of its Building C into a multilayered visual playground. Multiple levels, an extensive labyrinth of coves, and numerous custom visual features enliven the center with a complex yet clean and contemporary design.



Overall, World Market Center Building C contains approximately 16,000 feet of cove lighting, over 8,000 feet of which consists of eW Cove Powercore fixtures in runs of up to 50 feet. The atrium ceiling alone uses over 1,500 linear feet of eW Cove Powercore fixtures. The low power consumption of these LED cove lights reduces the electric



Photography by Darius Kuzmickas

load by 60% compared with 13-watt CFL cove lights. Their long useful life dramatically reduces the labor and maintenance costs of servicing fixtures installed in difficult-to-access locations, 80 feet above the main floor. In fact, labor costs for lamp replacements, combined with the expense of purchasing or leasing specialty lifts to access the ceiling coves, pushed the total cost of the conventional lamps far beyond their initial cost, making them non-viable as solutions in this phase of the installation.

Flexible mounting and positioning features allowed the installation of eW Cove Powercore in both curved and straight coves. The superior color quality and consistency of the LED fixtures allowed the designers to blend their light output seamlessly with conventional 3000 K T8 fluorescent cove fixtures, also in use in the installation. Mockups were done onsite to assure color consistency, and to optimize the blending of the directional LED light output with the fluorescent illumination.

### **Photometrics**

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.colorkinetics.com/support/ies.

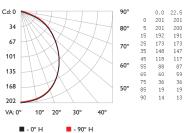
45.0 67.5 90.0 201 201 201

117

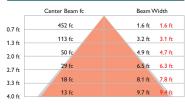
### eW Cove MX Powercore 2700 K, wide beam

Lumens	527
Efficacy	43.9 lm / W

#### **Polar Candela Distribution**



#### **Illuminance at Distance**



14.2 ft (4.3 m) 1 fc maximum distance

Vert. Spread: 101.2° Horiz. Spread: 99.1°

### **Zonal Lumen**

Cd: 0

34

67

101

134

168

201

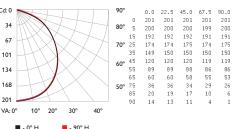
**Zonal Lumen** 

Zonal Lumen			Coefficients Of Utilization - Zonal Cavity Method						
ZONE	LUMENS	%FIXT					Effective Floor C	avity Reflectance:	
			RC	80	70	50	30	10	
0- 30	153	29.0	RW	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	
0- 40	245	46.5							
0- 60	412	78.1	0	118118118118	115115115115	110110110	105105105	100100100	
0- 90	518	98.3	1	108103 99 95	105101 97 93	96 93 90	92 89 87	88 86 84	
90-120	9	1.7	2	98 90 83 78	96 88 82 77	84 79 75	81 76 73	78 74 71	
90-130	9	1.7	3	90 79 71 65	87 78 70 64	75 68 63	72 66 62	69 64 60	
90-150	9	1.7	4	82 71 62 55	80 69 61 55	67 60 54	64 58 53	62 56 52	
90-180	9	1.7	5	76 63 55 48	74 62 54 48	60 53 47	58 51 46	56 50 46	
0-180	527	100.0	6	70 57 48 42	68 56 48 42	54 47 41	52 46 41	51 45 40	
			7	65 52 43 37	63 51 43 37	49 42 37	48 41 36	46 41 36	
			8	61 48 39 33	59 47 39 33	45 38 33	44 37 33	43 37 32	
			9	57 44 36 30	55 43 35 30	42 35 30	41 34 30	40 34 29	
			10	53 40 33 27	52 40 32 27	39 32 27	38 31 27	37 31 27	

### eW Cove MX Powercore 3000 K, wide beam

Lumens	534
Efficacy	45.3 lm / W

### **Polar Candela Distribution**



**Illuminance at Distance** 



14.2 ft (4.3 m) Vert. Spread: 102.5° 1 fc maximum distance Horiz. Spread: 101.3°

Coeff	icients	Of Utilizatio	<b>n -</b> Zonal	Cavity Method
RC	80	70	50	Effective Floor Cavity R

80	RC	%FIXT	LUMENS	ZONE
70 50 30 1	RW	29.0	153	0- 30
/0 00 00 1	1711	46.5	245	0- 40
11811811811	0	78.1	412	0- 60
108103 99 9	1	98.3	518	0- 90
98 90 83 7	2	1.7	9	90-120
90 79 71 6	3	1.7	9	90-130
82 71 62 5	4	1.7	9	90-150
76 63 54 4	5	1.7	9	90-180
70 57 48 4	6	100.0	527	0-180
65 52 43 3	7			
61 47 39 3	8			

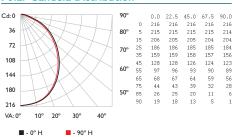
				Effective Floor Ca	avity Reflectance:	20%
RC	80	70	50	30	10	0
R₩	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0	118118118118	115115115115	110110110	105105105	100100100	98
1	108103 99 95	105101 97 93	96 93 90	92 89 87	88 86 84	82
2	98 90 83 78	96 88 82 77	84 79 75	81 76 73	78 74 71	69
3	90 79 71 65	87 78 70 64	75 68 63	72 66 62	69 64 60	58
4	82 71 62 55	80 69 61 55	66 59 54	64 58 53	62 56 52	50
5	76 63 54 48	74 62 54 48	60 52 47	58 51 46	56 50 46	43
6	70 57 48 42	68 56 48 42	54 47 41	52 46 41	51 45 40	38
7	65 52 43 37	63 51 43 37	49 42 37	48 41 36	46 40 36	34
8	61 47 39 33	59 47 39 33	45 38 33	44 37 33	43 37 32	30
9	57 44 35 30	55 43 35 30	42 35 30	41 34 29	39 34 29	27
10	53 40 32 27	52 40 32 27	39 32 27	38 31 27	37 31 27	25

For lux multiply fc by 10.7

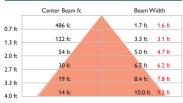
### eW Cove MX Powercore 3500 K, wide beam

Lumens	576
Efficacy	48.4 lm / W

#### **Polar Candela Distribution**



#### Illuminance at Distance



14.7 ft (4.5 m) 1 fc maximum distance

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

#### **Zonal Lumen**

Cd: 0

40

79

119

159

198

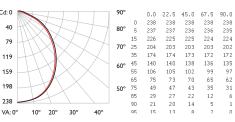
238

Zonal L	umen		Co	efficients Of	Utilization	- Zonal C	avity Meth	od	
ZONE	LUMENS	%FIXT					Effective Floor Ca	avity Reflectance:	20%
0- 30	163	28.4	RC	80	70	50	30	10	0
0- 40	262	45.5	RW	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	0
0- 60	442	76.8							
0- 90	565	98.0	0	119119119119	116116116116	110110110	105105105	100100100	98
90-120	11	2.0	1	108103 98 94	105100 96 93	96 92 89	92 89 86	88 85 83	81
90-130	11	2.0	2	98 90 83 77	95 88 81 76	84 79 74	80 76 72	77 73 70	68
			3	90 79 71 64	87 77 70 64	74 68 62	71 66 61	68 64 60	57
90-150	11	2.0	4	82 70 61 55	80 69 61 54	66 59 53	63 57 52	61 56 51	49
90-180	11	2.0	5	76 63 54 47	74 62 53 47	59 52 46	57 51 46	55 49 45	43
0-180	576	100.0	6	70 57 48 42	68 56 47 41	54 46 41	52 45 40	50 44 40	38
			7	65 52 43 37	63 51 42 37	49 42 36	47 41 36	46 40 35	33
			8	61 47 39 33	59 46 38 33	45 38 32	44 37 32	42 36 32	30
			9	57 43 35 30	55 43 35 30	41 34 29	40 34 29	39 33 29	27
			10	53 40 32 27	52 39 32 27	38 31 27	37 31 26	36 30 26	24

### eW Cove MX Powercore 4000 K, wide beam

Lumens	632
Efficacy	53.1 lm / W

#### **Polar Candela Distribution**



- 0° H	- 90° H

Zonal Lumen			Co	effic	ier	nts	0	<b>Ut</b> i	iliz	ati	ion	- Zo	ona	al (
ZONE	LUMENS	%FIXT												
0- 30	180	28.4	RC		81	0			- 71	0			50	
0- 40	288	45.6	RW	70	50	30	10	70	50	30	10	50	30	10
0- 60	485	76.8												
0- 90	619	98.0	0	118:	118	118	118	115:	115	115	115	110		
90-120	12	2.0	1	1083	103	98	94	1053	100	96	93	96	92	89
90-130	12	2.0	2	98	90	83	77	95	88	81	76	84	78	74
90-150	12	2.0	3	90	79	71	64	87	77	70	64	74	67	62
			4	82	70	61	55	80	69	61	54	66	59	53
90-180	12	2.0	5	76	63	54	47	73	62	53	47	59	52	46
0-180	632	100.0	6		57				56		41		46	
			7	65	52	43	37	63	51	42	37	49		
			8	61	47	39	33	59	46	38	33	45	38	

#### **Illuminance at Distance**



15.5 ft (4.7 m) Terr. Spread: 102.5° vert. Spread: 102.5° simum distance 1 fc maximum distance

### Coefficients Of Utilization - Zonal Cavity Method

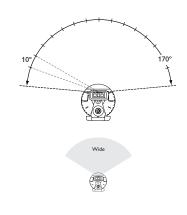
т				Effective Floor Ca	avity Reflectance: 20%
4	RC	80	70	50 30	10 0
6	R₩	70 50 30 10	70 50 30 10	50 30 10 50 30 10	50 30 10 0
8					
0	0	118118118118	115115115115	110110110 105105105	100100100 98
0	1	108103 98 94	105100 96 93	96 92 89 91 89 86	87 85 83 81
0	2	98 90 83 77	95 88 81 76	84 78 74 80 76 72	77 73 70 68
0	3	90 79 71 64	87 77 70 64	74 67 62 71 65 61	68 63 59 57
0	4	82 70 61 55	80 69 61 54	66 59 53 63 57 52	61 56 51 49
	5	76 63 54 47	73 62 53 47	59 52 46 57 51 46	55 49 45 43
0	6	70 57 48 41	68 56 47 41	54 46 41 52 45 40	50 44 40 38
	7	65 52 43 37	63 51 42 37	49 42 36 47 41 36	46 40 35 33
	8	61 47 39 33	59 46 38 33	45 38 32 43 37 32	42 36 32 30
	9	57 43 35 30	55 43 35 30	41 34 29 40 34 29	39 33 29 27
	10	53 40 32 27	52 39 32 27	38 31 27 37 31 26	36 30 26 24

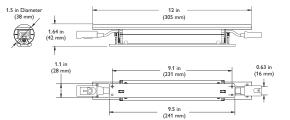
For lux multiply fc by 10.7

### Specifications

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

1.		2700 104		2000 //*		1000 K*		
ltem	Beam Angle	2700 K*		3000 K*	3500 K*	4000 K*		
Lumens†	Wide	527		534	576	632		
Efficacy (Im / V	/) Wide	43.9		45.3	48.4	53.1		
CRI Wide 83		83		84	84	81		
ltem	Specification							
Output	Lumen Maintenance‡		50,000 hours L70 @ 25° C 37,000 hours L70 @ 50° C 90,000 hours L50 @ 25° C 80,000 hours L50 @ 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 @ 120 VAC					
Control	Dimming		Compatible with many commercially available ELV, trailing edge, or reverse-phase control dimmers ${}^{\S}$					
Physical	Dimensions (Height x Width x Depth)		1.64 x 12 x 1.5 in (42 x 305 x 38 mm)					
	Weight		0.19 lbs (85 g)					
	Housing		Die-cast aluminium, white powder-coated finish					
	Lens		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					
	Maximum Fixture Run Length <sup>∥</sup>		60 @ 104 @ 115 @	100 VAC 120 VAC 208 VAC 220 – 240 VAC 277 VAC		alled end-to-end, standard 10 ft		
Certification and Safety	Certification		UL / cUL, FCC, CE, CCC					
	Environment		Dry / Damp Location, IP20					
	Energy Efficiency		ENERGY STAR, California Title 24 Compliant					





To calculate the number of fixtures your specific installation can support, download the Configuration Calculator from www.colorkinetics.com/support/install\_tool/

\* 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% maintenance of lumen output (when light output drops below 70% of initial output). L50 = 50% maintenance of lumen output (when light output drops below 50% of initial output). Ambient temperatures specified. Based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.colorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

FCCCC

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§ Refer to www.colorkinetics.com/support/appnotes/ for specific details.

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

#### OPTIBIN" POWERCORE" DIMAND CKTECHNOLOGY CKTECHNOLOGY

### Product Selection

To order eW Cove MX Powercore, select a line voltage connection option, a fixture length, and any extra options you might need.

1 Choose fixture color temperature and / or color	2 Choose beam angle	Choose line voltage connection option	Choose extra options 5 ft (1.5 m) Jumper cable 1 ft (305 mm) Jumper cable Mounting track	
Орон         Орон <t< td=""><td>Wide</td><td>Leader cable, terminator and strain relief, UL / cUL, CE, CCC</td></t<>	Wide	Leader cable, terminator and strain relief, UL / cUL, CE, CCC		
	Color Temperature / Color	Beam Angle	Item Number	Philips 12NC
	2700 K	Wide ENERGY STAR	523-000050-02	<mark>910503700980</mark>
	3000 K	Wide ENERGY STAR	523-000050-06	<mark>910503700984</mark>
	3500 K	Wide ENERGY STAR	523-000050-10	910503700988
eW Cove MX Powercore fixtures	4000 K	Wide ENERGY STAR	523-000050-14	910503700992
100 / 120 / 208 / 220 – 240 / 277 VAC	Red	Wide	223-000050-00	<del>910503701104</del>
12 in (305 mm)	Green	Wide	223-000050-01	<del>910503701105</del>
	Blue	Wide	223-000050-02	910503701106
	Amber	Wide	223-000050-03	<del>910503701107</del>
	_			
For connection to	Leader Cable with	UL / cUL 10 ft (3 m)	108-000047-00	<del>910503700972</del>
standard junction box	terminator and strain relief	CE / CCC 10 ft (3 m)	108-000047-01	<mark>910503700973</mark>
Can be used for direct connection to conduit	Wiring Compartment with terminator	UL / cUL	120-000077-01	<del>910503700994</del>
	Terminators, Quantity 10		120-000058-01	<del>910503701119</del>
	_			
Decending on the interlucients is in		UL / cUL 1 ft (305 mm)	108-000048-00	<del>910503700974</del>
Depending on the installation's design, you may need jumper cables to add	Jumper Cable	5 ft (1.5 m)	108-000048-01	<del>910503700975</del>
space between fixtures.		CE / CCC 1 ft (305 mm)	108-000048-02	910503700976
		5 ft (1.5 m)	108-000048-03	910503700977
Optional mounting track ensures straight runs of fixtures.	Mounting Track, White	1 @ 4 ft (1219 mm)	120-000124-00	910503701787

Use Item Number when ordering in North America.

### Installation

eW Cove MX Powercore offers high-output, energy-efficient indoor white and solid color cove and indirect general lighting with Powercore technology. Powercore technology, which integrates LED power and data management within the fixture, eases installation by eliminating the need for external power supplies.

### **Owner / User Responsibilities**

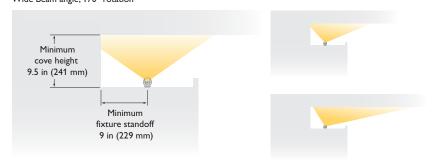
It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate eW Cove MX Powercore fixtures in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector to ensure compliance.

### Create a Layout Plan

Regardless of the size and complexity of your installation, the time you spend up front can help minimize installation and configuration issues later. Keep these suggestions in mind as you plan your installation:

- On an architectural diagram or other diagram that shows the physical layout of the installation, create a layout map that specifies the appropriate location of the light fixtures in relation to each other, and to any dimmer switches, wall switches, and line power sources. Identify any obstacles or physical features requiring flexible jumper cables between fixtures.
- 2. Using the fixture's power consumption and efficiency ratings, the lighting designer or architect should calculate the cove dimensions to ensure that operating temperatures remain within safe levels. The designer or architect should also determine the cove's fascia design and fixture setback based on the cove dimensions and room width. For consistent results, the cove width and height should accommodate the fixtures' minimum mixing distances. We strongly recommend creating dimensional models and mockups prior to installation.

#### eW Cove MX Powercore Wide Beam angle, 170° rotation



- 3. eW Cove MX Powercore fixtures are installed in series. The in-line connectors allow end-to-end fixture connections for the best visual effects. Joined directly together, the connectors allow for spacing of .4 in (10 mm) to .9 in (23 mm) without a jumper cable. When you need to separate fixtures by more than these minimums, use the 1 ft (305 mm) or 5 ft (1.5 m) jumper cables.
- 4. You can install a run of eW Cove MX Powercore fixtures using the 10 ft (3 m) Leader Cable with flying leads. This option is preferable when connecting to a thirdparty junction box, or when retrofitting an existing incandescent or fluorescent cove lighting installation.

In North America, you can use the Wiring Compartment when you want to run branch conduit all the way to the first fixture in a series, or where local codes require it.

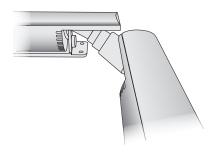
### Included in the box

eW Cove QLX Powercore fixture Installation Instructions

Refer to the eW Cove MX Powercore Installation Instructions for specific warning and caution statements.

### Easy turns

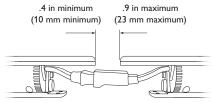
End-to-end locking power connectors can make turns of up to  $180^\circ$  without jumper cables.



These diagrams provide general guidelines for positioning eW Cove MX Powercore fixtures in coves with matte white surfaces. Specific dimensions and positioning depend on the details of your installation.

Solution Minimum cove height is mixing distance + height of fixture to LED board.

### Distance between fixtures



To calculate the number of fixtures your specific installation can support, download the Configurationv Calculator from www. colorkinetics.com/support/install\_tool/, or consult Philips Color Kinetics Application Engineering Services at support@colorkinetics.com.

Refer to the installation instructions included with the wall or dimmer switch for installation and wiring information.

You can use the fixture base as a template when pre-drilled pilot holes are required. Hold the fixture in place and mark the four screw holes. 5. If fixtures are installed end-to-end on a 20 A circuit using the standard 10 ft (3 m) Leader Cable, each run can accommodate from 50 fixtures at 100 VAC to 139 fixtures at 277 VAC. Using the optional jumper cables can decrease the number of fixtures that you can connect in a single run.

### Install Wall and Dimmer Switches (optional)

eW Cove MX Powercore fixtures can be controlled either with a standard wall switch (on / off) or a compatible, commercially available electronic low-voltage (ELV) dimmer. eW Cove MX Powercore fixtures work with trailing edge (reverse-phase) ELV dimmers.

For a list of compatible ELV dimmers, and for details on selecting the appropriate dimmer for your lighting installation, visit www.colorkinetics.com/support/appnotes, or consult Application Engineering services at support@colorkinetics.com.

### Prepare for the Installation

- 1. Verify that all supporting equipment (switches, line power sources) is in place.
- 2. If your installation calls for jumper cables to add space between fixtures, make sure they are available.
- 3. Ensure that all additional parts (optional mounting tracks, mounting hardware, terminators) and tools are available.

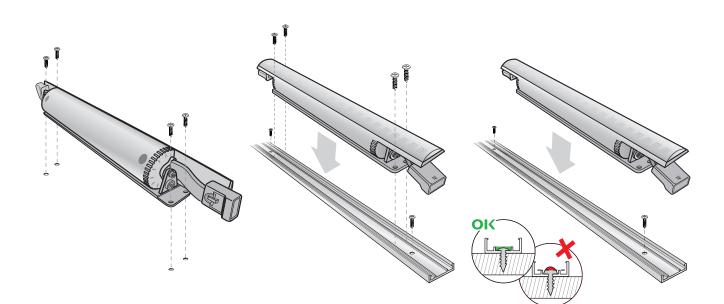
### Install the Fixtures

You can mount eW Cove MX Powercore fixtures directly to a wall, ceiling, cabinet, or other secure surface. You can install several eW Cove MX Powercore fixtures in optional 4 ft (1.2 m) lengths of mounting track to ensure a straight run.

### (Optional) Install Mounting Tracks

- 1. Field-cut the mounting tracks to the desired length with a hacksaw or tin snips.
- 2. Install the mounting tracks using hardware suitable for the mounting surface.

To ensure proper fixture fit, hardware must not extend above the track standoffs after installation. The recommended maximum spacing between screws is 12 in (305 mm).



#### **Mount and Connect the Fixtures**

Make sure the power is OFF before mounting and connecting eW Cove MX Powercore fixtures.

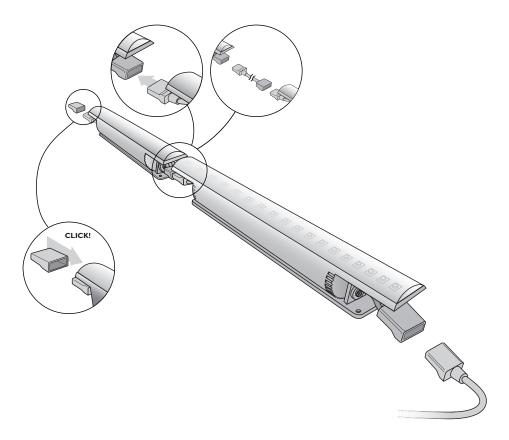
- 1. Rotate an eW Cove MX Powercore fixture as necessary to provide unobstructed access to the mounting holes.
- 2. Position the first fixture in a series.

If using mounting tracks on a horizontal surface, snap the fixture into the track.

If using mounting tracks on vertical or overhead surfaces, or if not using mounting tracks, attach the fixture with four #6 (3.5 mm) mounting screws (not included) suitable for the mounting surface.

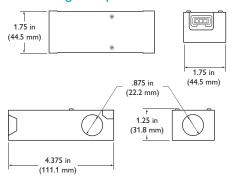
Ensure that the male connector is in position to receive power from the female connector on the Leader Cable or Wiring Compartment.

3. Position the next fixture in the series, matching the male connector end to the female connector of the previously mounted fixture. Attach the fixture to the surface or snap it into the track.



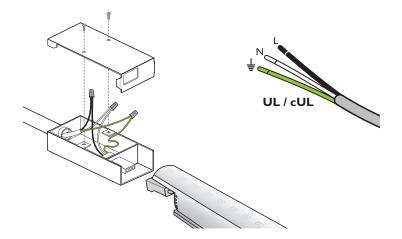
- 4. Continue mounting the fixtures, making power connections as you go, until all lights in the series are mounted.
- 5. Insert the provided terminator into the last fixture in the series.
- 6. Make power connections.

Wiring Compartment dimensions



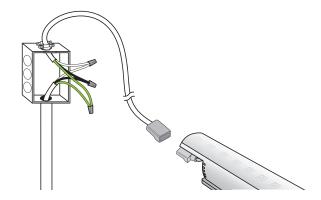
To run power or conduit to the first fixture in a series (UL / cUL installations):

- Remove the cover from the eW Cove MX Powercore Wiring Compartment.
- Using wire nuts, connect ground, neutral, and line inside the Wiring Compartment housing, then replace the cover.
- Connect the eW Cove Powercore Wiring Compartment to the first fixture in the series.

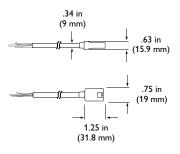


### To connect the first fixture in a series to a third-party junction box using the 10 ft (3 m) Leader Cable (UL / cUL installations):

- Remove the cover of the third-party junction box.
- Connect ground, neutral, and line inside the junction box housing, then replace the junction box cover.
- Connect the 10 ft (3.1m) Leader Cable to the first fixture in the series.

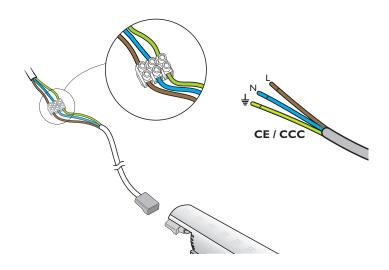


### Leader Cable connector dimensions



### For CE / CCC installations:

- Connect the Leader Cable to a terminal block. For CE installation, the terminal • block must conform to EN 60998-2-1 or EN 60998-2-2, rated 220 - 240 VAC.
- Connect ground, neutral, and line to a power source.
- Connect the 10 ft (3.1 m) Leader Cable to the first fixture in the series.

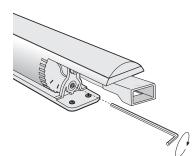


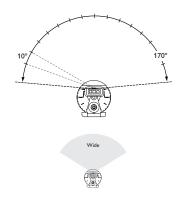
### Aim and Lock the Fixtures

Make sure the power is ON before aiming fixtures. Do not look directly into beam.

Aim the fixtures by rotating each fixture to the correct angle. There are detents every  $10^{\circ}$  in the bracket that hold the fixture in position.

(Optional) Using a 2 mm hex key wrench, tighten the set screw located on each end of the fixture to lock the fixture in place.







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