



eW Cove MX Powercore

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



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eW Cove MX Powercore delivers the highest light output in the line of solid white linear cove lights from Philips Color Kinetics. 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.

- Lower cost than comparable fluorescent strip lighting — With efficacy of up to 58.5 lm / W, competitive pricing, long useful life, and low-maintenance operation, eW Cove MX Powercore represents a cost-effective alternative to traditional cove lights, offering lower first and total cost than dimmable T5 and 2-lamp T8 strip lights in typical cove applications.
- Two lengths and multiple color temperature options for design and application flexibility — 1 ft (305 mm) and 4 ft (1.2 m) fixtures are available in 2200 K, 2700 K, 3000 K, 3500 K, and 4000 K for applications calling for warm, neutral, or cool white light.
- Multiple levels of power consumption — 12.5 W / ft fixtures offer high-intensity light output of up to 696 lumens per foot. 8 W / ft fixtures are factory-set to a lower maximum power consumption level to support ASHRAE standards, LEED green building certification, and other power-limited projects.
- Very warm white light — 2200 K fixtures produce an inviting golden light comparable to halogen and xenon dimmed to 50%, but without sacrificing efficacy, lumen output, or quality of light.
- 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 lowering total system cost.
- Support for multiple voltages — Accepts power input of 100 – 277 VAC, allowing consistent installation in any location around the world.
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Industry-best white light quality color consistency — Advances in Optibin, Philips proprietary binning optimization process, now provides color consistency within a 2-step MacAdam ellipse across eW Cove Powercore fixtures and manufacturing runs.
- Simple installation — Powercore delivers line voltage directly to the fixtures, simplifying installation and allowing long product runs. Easy-to-install 4 ft (1.2 m) mounting tracks allow quick project setup in linear applications.
- Easy mounting and positioning — With end-to-end locking power connectors that can make turns of up to 180°, 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 support vertical and overhead positioning. 1 ft (305 mm) and 5 ft (1.5 m) jumper cables can add extra space between fixtures.



Maximum Light Output

eW Cove MX Powercore delivers the highest light output in the line of solid white linear cove and accent lights from Philips Color Kinetics.

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 multi-layered 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 ft of cove lighting, over 8,000 ft of which consists of eW Cove Powercore fixtures in runs of up to 50 ft. The atrium ceiling alone uses over 1,500 linear ft of eW Cove Powercore fixtures. The low power consumption of these LED cove lights reduces the electric

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 ft 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. Mock-ups were done on site to assure color consistency, and to optimize the blending of the directional LED light output with the fluorescent illumination.



Photography by Darius Kuznickas

Setting the Gold Standard for Cove Lighting

Create a cozy, inviting, and intimate atmosphere with eW Cove MX Powercore 2200 K. Designed for cove and accent lighting in hospitality, retail, and high-end residences, eW Cove MX Powercore 2200 K fixtures produce a very warm white light, comparable to the golden light produced by halogen and xenon sources dimmed to 50%. Unlike dimmed incandescent sources, eW Cove MX Powercore 2200 K affords a high efficacy of 50.4 lm / W, generous light output of 570 lumens per foot, and light quality of 84 CRI. eW Cove MX Powercore 2200 K offers ROI comparable to incandescent sources in similar applications while providing up to four times the light output.



eW Cove MX Powercore 2200 K

Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers. eW Cove MX Powercore 2200 K fixtures can be smoothly dimmed down to 10% without the color shifting of incandescent sources.

Like the other fixtures in the eW Cove MX Powercore family, eW Cove MX Powercore 2200 K accepts power input of 100 – 277 VAC, allowing consistent installation around the world.

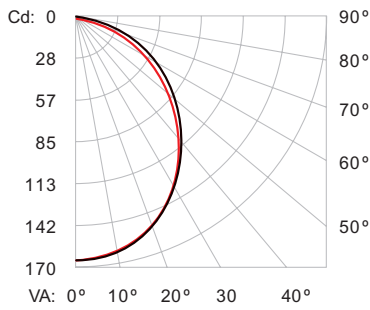
Photometrics / eW Cove MX Powercore, 1 ft (305 mm), 8 W / ft

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

2700 K, 125° x 120° beam angle

Lumens	Efficacy
441	57.2 lm / W

Polar Candela Distribution

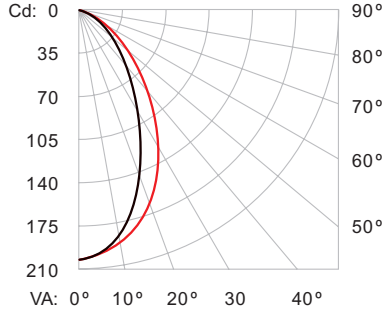


	0.0	22.5	45.0	67.5	90.0
0	165	165	165	165	165
5	164	164	164	164	164
15	157	157	157	157	157
25	143	143	143	143	143
35	122	122	122	122	122
45	98	98	97	97	96
55	73	73	72	70	69
65	50	50	48	45	43
75	31	31	29	24	21
85	18	17	15	9	5
90	13	12	9	4	1

2700 K, 50° x 70° beam angle

Lumens	Efficacy
306	39.7 lm / W

Polar Candela Distribution

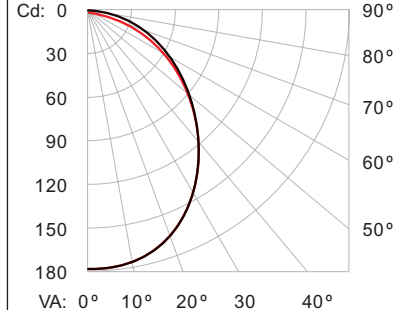


	0.0	22.5	45.0	67.5	90.0
0	201	201	201	201	201
5	197	197	197	198	198
15	163	165	171	177	180
25	115	120	130	142	147
35	75	79	89	102	107
45	47	50	57	66	70
55	29	31	35	41	43
65	18	18	21	23	24
75	10	10	11	11	11
85	5	5	5	3	2
90	4	4	3	2	1

3000 K, 125° x 120° beam angle

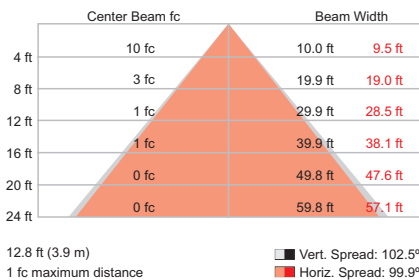
Lumens	Efficacy
475	63.0 lm / W

Polar Candela Distribution

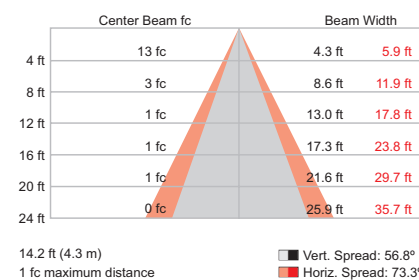


	0.0	22.5	45.0	67.5	90.0
0	177	177	177	177	177
5	177	177	176	176	177
15	170	169	169	169	169
25	154	154	154	154	154
35	132	132	132	131	131
45	106	106	105	104	104
55	79	79	77	75	74
65	54	54	52	49	47
75	34	33	31	26	23
85	19	18	16	10	5
90	14	13	10	4	1

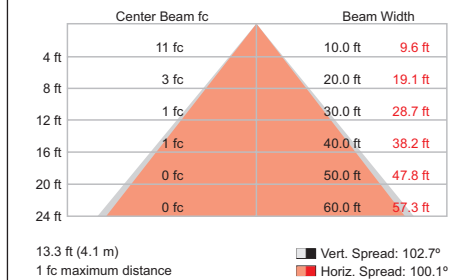
Illuminance at Distance



Illuminance at Distance



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	11011011010	105105105	100100100	98
1	108103 99 95	105101 97 93	96 93 90	92 89 86	88 86 84	81
2	98 90 83 77	95 88 82 76	84 79 74	80 76 72	77 73 70	68
3	90 79 71 65	87 78 70 64	74 68 63	71 66 61	68 64 60	58
4	82 70 62 55	80 69 61 55	66 59 54	64 58 53	61 56 52	49
5	76 63 54 48	74 62 54 47	60 52 47	57 51 46	55 50 45	43
6	70 57 48 42	68 56 48 42	54 47 41	52 45 40	50 44 40	38
7	65 52 43 37	63 51 43 37	49 42 36	48 41 36	46 40 36	34
8	61 47 39 33	59 47 39 33	45 38 33	44 37 32	42 36 32	30
9	57 44 35 30	55 43 35 30	42 34 30	40 34 29	39 33 29	27
10	53 40 32 27	52 40 32 27	38 32 27	37 31 27	36 31 26	25

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	118118118118	115115115115	110110110	104104104	99 99 99	97
1	110106102 99	107103100 97	98 96 93	94 92 90	90 88 87	85
2	102 95 89 84	99 92 87 83	89 84 80	85 81 78	82 79 76	74
3	94 85 78 72	91 83 77 72	80 75 70	77 72 69	74 70 67	65
4	87 77 69 64	85 75 68 63	73 67 62	70 65 61	68 63 60	58
5	81 70 62 56	79 69 62 56	67 60 55	64 59 54	62 57 54	52
6	76 64 56 51	74 63 56 50	61 55 50	59 54 49	58 52 49	47
7	71 59 51 46	69 58 51 46	56 50 45	55 49 45	53 48 44	42
8	67 55 47 42	65 54 47 42	52 46 41	51 45 41	50 44 40	39
9	63 51 43 38	61 50 43 38	49 42 38	48 42 38	46 41 37	36
10	59 47 40 35	58 47 40 35	46 39 35	45 39 35	44 38 35	33

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
0	119119119119	116116116116	110110110	105105105	100100100	98
1	108103 99 95	105101 97 93	96 93 90	92 89 86	88 86 84	81
2	98 90 83 77	95 88 82 76	84 79 74	80 76 72	77 74 70	68
3	90 79 71 65	87 78 70 64	74 68 63	71 66 61	68 64 60	58
4	82 70 62 55	80 69 61 55	66 59 54	64 58 53	61 56 52	49
5	76 63 54 48	74 62 54 47	60 52 47	57 51 46	55 50 45	43
6	70 57 48 42	68 56 48 42	54 47 41	52 45 40	50 44 40	38
7	65 52 43 37	63 51 43 37	49 42 36	48 41 36	46 40 36	34
8	61 47 39 33	59 47 39 33	45 38 33	44 37 32	42 36 32	30
9	57 44 35 30	55 43 35 30	42 34 29	40 34 29	39 33 29	27
10	53 40 32 27	52 40 32 27	38 32 27	37 31 27	36 31 26	25

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	126	28.5
0- 40	202	45.8
0- 60	341	77.3
0- 90	431	97.9
90-120	9	2.0
90-130	9	2.1
90-150	9	2.1
90-180	9	2.1
0-180	441	100.0

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	126	41.3
0- 40	183	59.7
0- 60	260	84.9
0- 90	297	97.1
90-120	6	1.9
90-130	7	2.3
90-150	9	2.8
90-180	9	2.9
0-180	306	100.0

Zonal Lumen

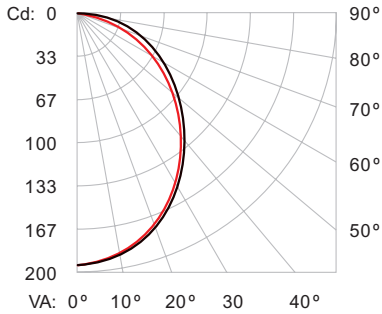
ZONE	LUMENS	%FIXT
0- 30	135	28.5
0- 40	218	45.8
0- 60	368	77.3
0- 90	466	98.0
90-120	9	2.0
90-130	10	2.0
90-150	10	2.0
90-180	10	2.0
0-180	475	100.0

For lux multiply fc by 10.7

4000 K, 125° x 120° beam angle

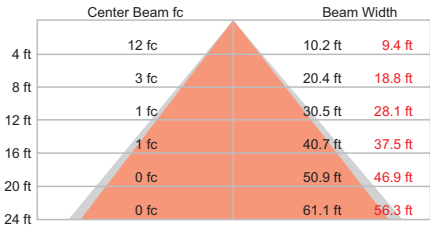
Lumens	Efficacy
525	69.0 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	194	194	194	194	194
5	193	193	193	193	192
15	185	185	184	183	184
25	168	168	167	166	166
35	144	144	143	142	141
45	117	116	114	112	111
55	88	87	85	82	80
65	62	61	58	54	51
75	41	40	36	29	26
85	25	23	19	11	6
90	18	17	12	5	1

Illuminance at Distance



13.9 ft (4.2 m)
1 fc maximum distance
Vert. Spread: 103.7°
Horiz. Spread: 99.1°

Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%														
	80	70	50	30	10	0	80	70	50	30	10	0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	1181	181	181	118	1151	151	151	115	1101	101	101	100	100	100	98
1	1081	98	84	105	100	98	82	95	92	89	91	88	86	87	83
2	98	90	83	77	95	87	81	76	84	78	74	80	75	72	77
3	89	79	71	64	87	77	69	63	74	67	62	71	65	61	68
4	82	70	61	54	80	69	60	54	66	59	53	63	57	52	61
5	76	63	54	47	73	61	53	47	59	52	46	57	50	45	55
6	70	57	48	41	68	56	47	41	53	46	40	52	45	40	50
7	65	51	43	37	63	50	42	36	49	41	36	47	40	36	46
8	60	47	39	33	59	46	38	33	45	37	32	43	37	32	42
9	57	43	35	30	55	42	35	29	41	34	29	40	33	29	39
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36

Zonal Lumen

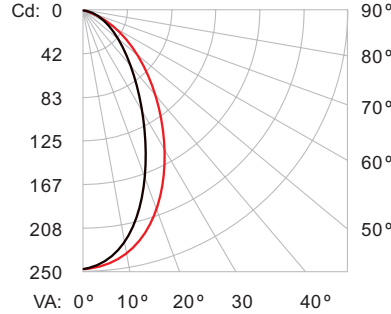
ZONE	LUMENS	%FIXT
0- 30	147	28.0
0- 40	236	45.0
0- 60	400	76.2
0- 90	512	97.7
90-120	12	2.3
90-130	12	2.3
90-150	12	2.3
90-180	12	2.3
0-180	525	100.0

For lux multiply fc by 10.7

4000 K, 50° x 70° beam angle

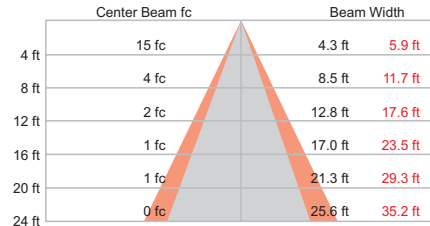
Lumens	Efficacy
369	47.8 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	246	246	246	246	246
5	241	240	242	242	243
15	199	202	209	217	221
25	139	145	159	173	179
35	89	94	108	123	129
45	56	59	68	79	84
55	34	36	42	48	50
65	21	22	24	27	28
75	12	12	13	13	13
85	7	7	6	4	3
90	5	5	4	2	1

Illuminance at Distance



15.7 ft (4.8 m)
1 fc maximum distance
Vert. Spread: 56.1°
Horiz. Spread: 72.5°

Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%														
	80	70	50	30	10	0	80	70	50	30	10	0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	1181	181	181	118	1151	151	151	115	1091	091	09	1041	041	04	99
1	1101	061	02	99	1071	031	00	97	98	96	93	94	92	90	90
2	102	95	89	84	99	92	87	83	89	84	80	85	81	78	82
3	94	85	78	73	92	83	77	72	80	75	70	77	72	69	74
4	87	77	70	64	85	76	69	63	73	67	62	70	65	61	68
5	81	70	62	57	79	69	62	56	67	60	55	65	59	55	62
6	76	64	57	51	74	63	56	51	61	55	50	59	54	49	58
7	71	59	52	46	69	58	51	46	57	50	45	55	49	45	54
8	67	55	47	42	65	54	47	42	53	46	42	51	45	41	50
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47
10	59	48	40	36	58	47	40	36	46	40	35	45	39	35	44

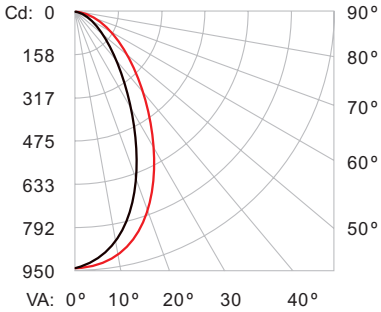
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	154	41.7
0- 40	222	60.1
0- 60	313	84.9
0- 90	358	96.9
90-120	7	1.9
90-130	9	2.4
90-150	11	3.0
90-180	11	3.1
0-180	369	100.0

3000 K, 50° x 70° beam angle

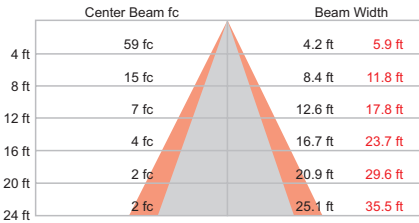
Lumens	Efficacy
1398	45.0 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	945	945	945	945	945
5	923	928	931	926	937
15	759	775	805	831	851
25	529	550	607	662	694
35	336	355	411	472	501
45	208	222	262	306	327
55	127	135	160	185	198
65	76	80	93	105	110
75	44	45	49	51	51
85	23	23	20	14	9
90	17	16	13	6	0

Illuminance at Distance



30.7 ft (9.4 m) ■ Vert. Spread: 55.2°
 1 fc maximum distance ■ Horiz. Spread: 73.0°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
1	118118118118	115115115115	110110110110	105105105105	100100100100	98
2	102958984	99938883	898581	868279	827977	75
3	94857973	92847772	817571	787369	757168	66
4	88777064	85766964	736763	716661	696460	58
5	82716357	80696257	676156	655955	635854	52
6	76655751	74645651	625550	605450	585349	47
7	71605246	70595146	575146	555045	544945	43
8	67554842	66544742	534642	524642	504541	39
9	63514439	62514439	494339	484238	474238	36
10	60484136	58474036	464036	453935	443935	34

Zonal Lumen

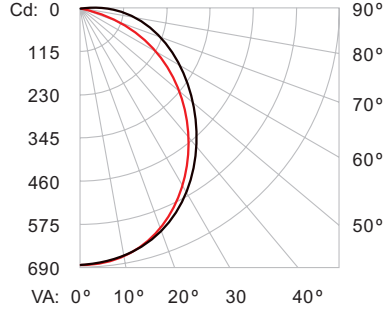
ZONE	LUMENS	%FIXT
0- 30	590	42.2
0- 40	850	60.8
0- 60	1199	85.8
0- 90	1365	97.6
90-120	22	1.5
90-130	27	1.9
90-150	33	2.3
90-180	33	2.4
0-180	1398	100.0

For lux multiply fc by 10.7

3500 K, 125° x 120° beam angle

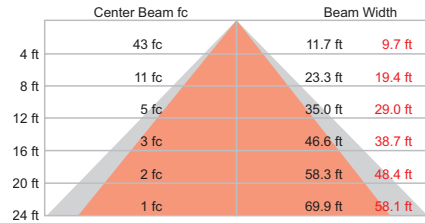
Lumens	Efficacy
2011	65.3 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	685	685	685	685	685
5	680	683	682	677	684
15	653	655	653	646	652
25	601	601	596	586	590
35	527	526	518	502	501
45	440	437	424	406	401
55	348	345	327	303	292
65	260	254	235	204	190
75	180	175	154	119	98
85	117	111	90	52	22
90	91	86	65	28	3

Illuminance at Distance



26.2 ft (8.0 m) ■ Vert. Spread: 111.1°
 1 fc maximum distance ■ Horiz. Spread: 100.8°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
1	118118118118	115115115115	109109109	104104104	989898	96
2	97888175	94867974	827671	787369	747067	65
3	88776962	85756861	726560	696358	656157	54
4	81685953	78675952	645751	615550	585349	46
5	74615245	72605145	575044	554843	534742	40
6	69554640	66544539	524439	504338	484237	35
7	64504135	62494135	474034	453934	443833	31
8	59463731	57453731	433631	423530	403430	28
9	55423428	54413328	403328	383227	373127	25
10	52393126	50383025	373025	362925	342924	23

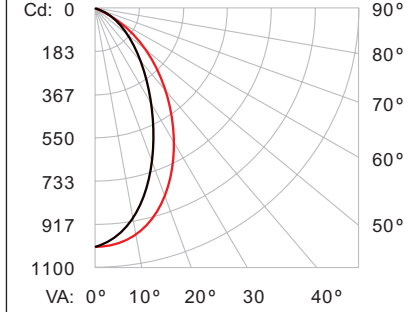
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	522	26.0
0- 40	844	42.0
0- 60	1460	72.6
0- 90	1933	96.1
90-120	75	3.7
90-130	78	3.9
90-150	78	3.9
90-180	78	3.9
0-180	2011	100.0

3500 K, 50° x 70° beam angle

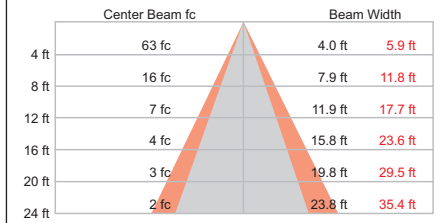
Lumens	Efficacy
1418	45.4 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	1008	1008	1008	1008	1008
5	984	989	992	989	1000
15	795	814	851	885	912
25	535	564	631	701	744
35	330	355	419	494	534
45	198	215	259	312	338
55	119	128	154	183	197
65	70	75	88	102	109
75	40	42	45	48	49
85	21	21	19	14	9
90	15	15	11	5	0

Illuminance at Distance



31.7 ft (9.7 m) ■ Vert. Spread: 52.7°
 1 fc maximum distance ■ Horiz. Spread: 72.9°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
1	118118118118	116116116116	110110110	105105105	100100100	98
2	102959085	100938884	908582	868380	838078	76
3	95867974	92847873	817672	787470	767269	67
4	88787165	86777065	746864	726763	696562	60
5	82716458	80706358	686257	666056	645955	54
6	77665852	75655752	635651	615551	595450	48
7	72605347	71605247	585247	565146	555046	44
8	68564943	66554843	544743	534743	514642	41
9	64524540	63514540	504440	494339	484339	37
10	60494237	59484137	474137	464036	454036	35

Zonal Lumen

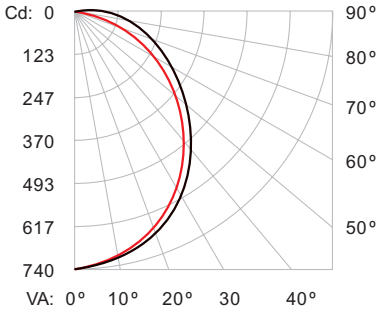
ZONE	LUMENS	%FIXT
0- 30	621	43.8
0- 40	887	62.6
0- 60	1232	86.9
0- 90	1389	98.0
90-120	19	1.3
90-130	23	1.6
90-150	28	2.0
90-180	29	2.0
0-180	1418	100.0

Photometrics / eW Cove MX Powercore, 4 ft (1.2 m), 8 W / ft, continued

4000 K, 125° x 120° beam angle

Lumens	Efficacy
2169	70.4 lm / W

Polar Candela Distribution



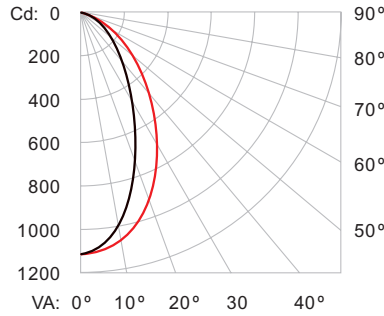
■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	734	734	734	734	734
5	730	732	731	726	732
15	701	704	701	693	700
25	645	646	642	630	635
35	567	567	557	541	541
45	476	471	456	436	431
55	377	371	354	325	315
65	284	276	254	221	207
75	198	192	168	129	106
85	129	123	99	55	22
90	102	95	71	29	1

4000 K, 50° x 70° beam angle

Lumens	Efficacy
1560	50.3 lm / W

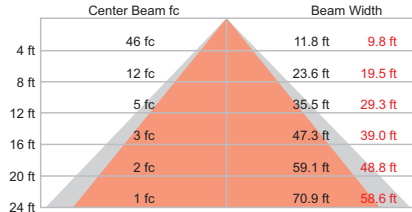
Polar Candela Distribution



■ - 0° H ■ - 90° H

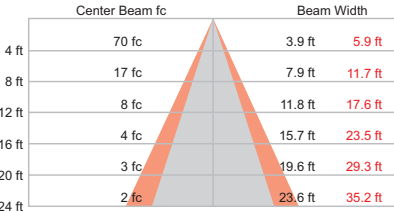
	0.0	22.5	45.0	67.5	90.0
0	1116	1116	1116	1116	1116
5	1088	1093	1097	1093	1107
15	875	899	941	976	1006
25	588	618	697	773	818
35	362	387	461	545	586
45	219	234	285	344	371
55	129	139	169	201	216
65	77	82	97	112	118
75	44	45	50	53	53
85	23	23	21	15	10
90	17	16	12	6	0

Illuminance at Distance



27.1 ft (8.3 m) 1 fc maximum distance
 ■ Vert. Spread: 111.8°
 ■ Horiz. Spread: 101.3°

Illuminance at Distance



33.4 ft (10.2 m) 1 fc maximum distance
 ■ Vert. Spread: 52.3°
 ■ Horiz. Spread: 72.5°

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
RW	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	50 30 10 0
0	118118118118	115115115115	109109109	104104104	99 99 99	96
1	107101 97 93	104 99 95 91	94 90 87	89 86 84	85 83 81	78
2	97 88 81 75	94 86 79 74	82 76 71	78 73 69	74 70 67	65
3	88 77 69 62	85 75 68 61	72 65 60	68 63 58	65 61 57	54
4	81 68 59 53	78 67 58 52	64 57 51	61 55 50	58 53 49	46
5	74 61 52 45	72 60 51 45	57 50 44	55 48 43	53 47 42	40
6	69 55 46 39	66 54 45 39	52 44 38	50 43 38	48 42 37	35
7	64 50 41 35	62 49 41 35	47 40 34	45 39 34	44 38 33	31
8	59 46 37 31	57 45 37 31	43 36 30	42 35 30	40 34 30	28
9	55 42 34 28	54 41 33 28	40 33 27	38 32 27	37 31 27	25
10	52 39 31 25	50 38 30 25	37 30 25	36 29 25	34 29 24	23

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	561	25.9
0- 40	908	41.9
0- 60	1572	72.5
0- 90	2086	96.2
90-120	80	3.7
90-130	83	3.8
90-150	83	3.8
90-180	83	3.8
0-180	2169	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80	70	50	30	10	0
RW	70 50 30 10	70 50 30 10	50 30 10	50 30 10	50 30 10	50 30 10 0
0	119119119119	116116116116	110110110	105105105	100100100	98
1	110106103100	107104101 98	99 97 94	95 93 91	91 90 88	86
2	102 95 90 85	100 93 88 84	90 85 82	86 83 80	83 80 78	76
3	95 86 79 74	92 84 78 73	81 76 72	78 74 70	76 72 69	67
4	88 78 71 65	86 77 70 65	74 68 64	72 67 63	70 65 62	60
5	82 71 64 58	80 70 63 58	68 62 57	66 61 56	64 59 56	54
6	77 66 58 52	75 65 57 52	63 56 52	61 55 51	59 54 50	49
7	72 61 53 48	71 60 52 47	58 52 47	57 51 46	55 50 46	44
8	68 56 49 44	66 55 48 43	54 48 43	53 47 43	51 46 42	41
9	64 52 45 40	63 52 45 40	50 44 40	49 43 39	48 43 39	37
10	60 49 42 37	59 48 41 37	47 41 37	46 40 36	45 40 36	35

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	685	43.9
0- 40	977	62.6
0- 60	1356	86.9
0- 90	1527	97.9
90-120	21	1.3
90-130	26	1.7
90-150	32	2.0
90-180	33	2.1
0-180	1560	100.0

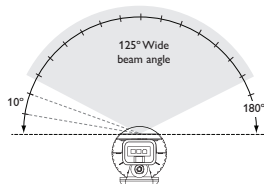
For lux multiply fc by 10.7

eW Cove MX Powercore Specifications

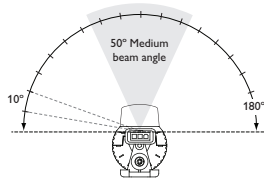
1 ft (305 mm), 12.5 W / ft

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

Color Temperature	Beam Angle	Lumens†	Efficacy (lm / W)	CRI
2200 K	125° x 120°	557	47.1	84
2700 K*	125° x 120°	564	48.6	82
	50° x 70°	384	34.9	83
3000 K*	125° x 120°	603	51.1	83
	50° x 70°	446	36.9	83
3500 K*	125° x 120°	653	52.7	83
	50° x 70°	476	40.0	84
4000 K*	125° x 120°	696	58.5	83
	50° x 70°	518	43.5	82



Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)

Item	Specification	Details
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
	Input Voltage	100 – 277 VAC, auto-ranging, 50 / 60 Hz
Electrical	Power Consumption	12.5 W maximum at full output, steady state
	Power Factor	.99 @ 120 VAC
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	2 x 12 x 1.5 in (51 x 305 x 38 mm) (medium / very wide beam) 1.64 x 12 x 1.5 in (42 x 305 x 38 mm) (wide beam)
	Weight	0.89 lbs (404 g) (very wide beam) 0.82 lbs (372 g) (wide beam) 1 lb (454 g) (medium beam)
	Housing	Die-cast aluminium, white powder-coated finish
	Lens	Polycarbonate / remote phosphor mix (very wide beam) Polycarbonate (wide beam / medium beam)
	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
Certification and Safety	Certification	UL / cUL, FCC Class B, CE, CCC, SAA, C-Tick
	Environment	Dry / Damp Location, IP20
	Energy Efficiency	California Title 24 Compliant (wide beam angle only)

* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

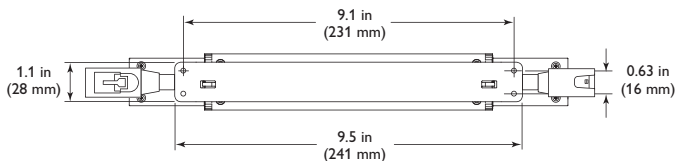
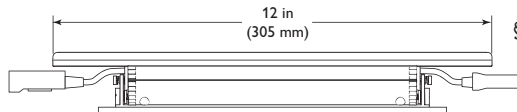
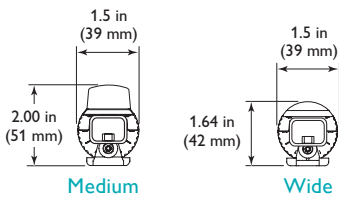


† Lumen measurement complies with IES LM-79-08 testing procedures.

‡ 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.

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



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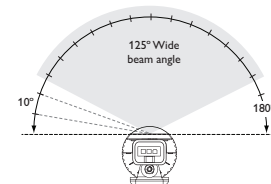
eW Cove MX Powercore Specifications

4 ft (1.2 m), 12.5 W / ft

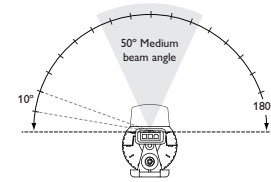
Due to continuous improvements and innovations, specifications may change without notice.

Color Temperature	Beam Angle	Lumens†	Efficacy (lm / W)	CRI
2200 K	125° x 120°	2281	50.4	84
2700 K*	125° x 120°	2303	49.3	80
	50° x 70°	1514	32.3	81
3000 K*	125° x 120°	2517	52.7	82
	50° x 70°	1617	34.1	83
3500 K*	125° x 120°	2721	57.6	84
	50° x 70°	1826	38.9	84
4000 K*	125° x 120°	2809	59.4	83
	50° x 70°	1921	40.4	83

Item	Specification	Details
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 – 277 VAC, auto-ranging, 50 / 60 Hz
	Power Consumption	50 W maximum at full output, steady state
	Power Factor	.99 @ 120 VAC
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	2.0 x 48 x 1.6 in (51 x 1219 x 41 mm) (medium / very wide beam) 1.6 x 48 x 1.6 in (42 x 1219 x 41 mm) (wide beam)
	Weight	4.14 lbs (1.9 kg) (very wide beam) 3.97 lbs (1.8 kg) (wide beam) 4.41 lbs (2.0 kg) (medium beam)
	Housing	Die-cast aluminium, white powder-coated finish
	Lens	Polycarbonate / remote phosphor mix (very wide beam) Polycarbonate (wide beam / medium beam)
	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
Certification and Safety	Fixtures 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 B, CE, CCC, SAA, C-Tick
	Environment	Dry / Damp Location, IP20



Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)

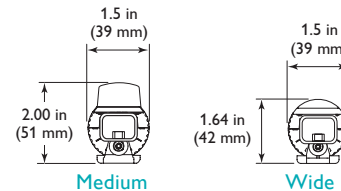
* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.



† 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.

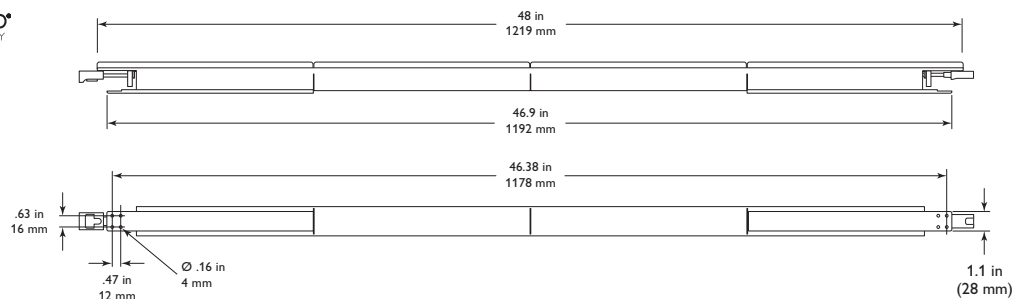
§ Refer to www.philipscolorkinetics.com/support/appnotes/ for specific details.



Medium

Wide

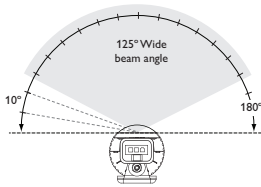
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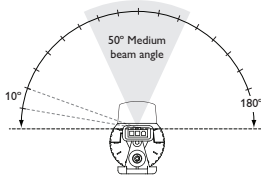
eW Cove MX Powercore Specifications

1 ft (305 mm), 8 W / ft

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



Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)

Color Temperature	Beam Angle	Lumens†	Efficacy (lm / W)	CRI
2700 K*	125° x 120°	441	57.2	82
	50° x 70°	306	39.7	82
3000 K*	125° x 120°	475	63.0	83
	50° x 70°	330	43.6	83
3500 K*	125° x 120°	473	61.4	83
	50° x 70°	341	44.3	82
4000 K*	125° x 120°	525	69.0	82
	50° x 70°	369	47.8	82

Item	Specification	Details
Output	Lumen Maintenance‡	60,000 hours L70 @ 25° C 60,000 hours L50 @ 25° C
Electrical	Input Voltage	100 – 277 VAC, auto-ranging, 50 / 60 Hz
	Power Consumption	8 W maximum at full output, steady state
	Power Factor	≥ .983 @ 120 VAC
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	1.64 x 12 x 1.5 in (42 x 305 x 38 mm) (wide beam) 2 x 12 x 1.5 in (51 x 305 x 38 mm) (medium beam)
	Weight	0.82 lbs (372 g) (wide beam) 1 lb (454 g) (medium beam)
	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
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 B, CE, CCC, SAA, C-Tick
	Environment	Dry / Damp Location, IP20

* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

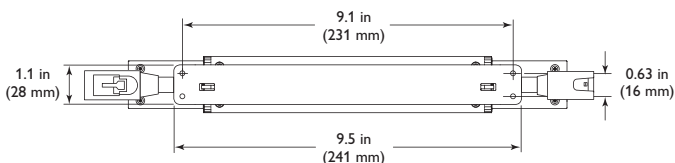
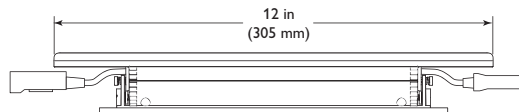
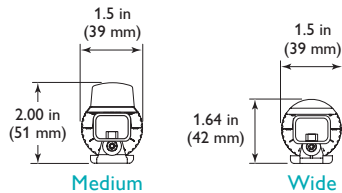


† Lumen measurement complies with IES LM-79-08 testing procedures.

‡ 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.

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



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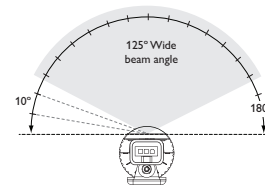
eW Cove MX Powercore Specifications

4 ft (1.2 m), 8 W / ft

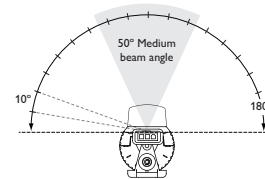
Due to continuous improvements and innovations, specifications may change without notice.

Color Temperature	Beam Angle	Lumens†	Efficacy (lm / W)	CRI
2700 K*	125° x 120°	1846	59.2	83
	50° x 70°	1260	40.8	83
3000 K*	125° x 120°	1958	64.0	84
	50° x 70°	1398	45.0	84
3500 K*	125° x 120°	2011	65.3	84
	50° x 70°	1418	45.4	84
4000 K*	125° x 120°	2169	70.4	83
	50° x 70°	1560	50.3	83

Item	Specification	Details
Output	Lumen Maintenance‡	60,000 hours L70 @ 25° C 60,000 hours L50 @ 25° C
Electrical	Input Voltage	100 – 277 VAC, auto-ranging, 50 / 60 Hz
	Power Consumption	32 W maximum at full output, steady state
	Power Factor	≥ .988 @ 120 VAC
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	1.6 x 48 x 1.6 in (42 x 1219 x 41 mm) (wide beam) 2.0 x 48 x 1.6 in (51 x 1219 x 41 mm) (medium beam)
	Weight	3.97 lbs (1.8 kg) (wide beam) 4.41 lbs (2.0 kg) (medium beam)
	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
Fixtures 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 B, CE, CCC, SAA, C-Tick
	Environment	Dry / Damp Location, IP20



Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)

* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

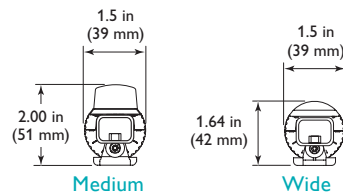


† Lumen measurement complies with IES LM-79-08 testing procedures.

‡ 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.

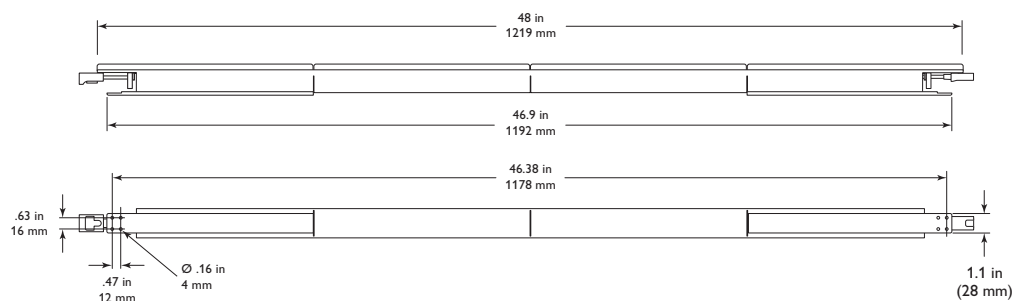
§ Refer to www.philipscolorkinetics.com/support/appnotes/ for specific details.



Medium

Wide

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Product Selection

To order eW Cove MX Powercore, select a color temperature, beam angle and power consumption level (except 2200 K), fixture length, line voltage connection option, and any extra options you might need.

1 Choose color temperature

2200 K 2700 K 3000 K
3500 K 4000 K

2 Choose beam angle*

Medium
Wide

* Except for 2200 K

3 Choose fixture length

4 ft (1.2 m)
1 ft (305 mm)

4 Choose power consumption*

8 W / ft
12.5 W / ft

* Except for 2200 K

5 Choose line voltage connection option

Leader cable, terminator and strain relief, UL / cUL, CE / CCC
Wiring compartment, UL / cUL

6 Choose extra options

5 ft (1.5 m) Jumper cable
1 ft (305 mm) Jumper cable
Mounting track

Fixtures

Type	Color Temperature	Beam Angle	Item Number	Philips 12NC
eW Cove MX Powercore 1 ft (305 mm), 12.5 W / ft	2200 K	125° x 120°	523-000050-62	912400130177
		125° x 120°	523-000050-17	910503701726
	2700 K	50° x 70°	523-000050-01	910503700979
		125° x 120°	523-000050-18	910503701727
	3000 K	50° x 70°	523-000050-05	910503700983
		125° x 120°	523-000050-19	910503701728
	3500 K	50° x 70°	523-000050-09	910503700987
		125° x 120°	523-000050-20	910503701729
	4000 K	50° x 70°	523-000050-13	910503700991
		2700 K	125° x 120°	523-000050-30
3000 K	50° x 70°		523-000050-34	910503704157
	3500 K	125° x 120°	523-000050-31	910503704154
4000 K		50° x 70°	523-000050-35	910503704158
	eW Cove MX Powercore 1 ft (305 mm), 8 W / ft	125° x 120°	523-000050-32	910503704155
523-000050-36			910503704159	
3000 K	125° x 120°	523-000050-33	910503704156	
	50° x 70°	523-000050-37	910503704160	
eW Cove MX Powercore 4 ft (1.2 m), 12.5 W / ft	2200 K	125° x 120°	523-000050-63	912400130178
		125° x 120°	523-000050-22	910503702540
	2700 K	50° x 70°	523-000050-26	910503702614
		125° x 120°	523-000050-23	910503702611
	3000 K	50° x 70°	523-000050-27	910503702615
		125° x 120°	523-000050-24	910503702682
	3500 K	50° x 70°	523-000050-28	910503702616
		125° x 120°	523-000050-25	910503702753
	4000 K	50° x 70°	523-000050-29	910503702541
		2700 K	125° x 120°	523-000050-46
3000 K	50° x 70°		523-000050-50	910503703175
	3500 K	125° x 120°	523-000050-47	910503703172
4000 K		50° x 70°	523-000050-51	910503703176
	eW Cove MX Powercore 4 ft (1.2 m), 8 W / ft	125° x 120°	523-000050-48	910503703173
523-000050-52			910503703177	
3000 K	125° x 120°	523-000050-49	910503703174	
	50° x 70°	523-000050-53	910503703178	

Use Item Number when ordering in North America.

Accessories

Item	Type		Item Number	Philips 12NC
Mounting Track, White	1 @ 4 ft (1219 mm)		120-000124-00	910503701787
Leader Cable with Terminator and strain relief	10 ft (3.1 m)	UL / cUL	108-000047-00	910503700972
		CE / CCC	108-000047-01	910503700973
Jumper Cable	1 ft (305 mm)	UL / cUL	108-000048-00	910503700974
		CE / CCC	108-000048-02	910503700976
	5 ft (1.5 m)	UL / cUL	108-000048-01	910503700975
		CE / CCC	108-000048-03	910503700977
Wiring Compartment with Terminator		UL / cUL	120-000077-01	910503700994
Terminators, Quantity 10			120-000099-00	910503701120

Use Item Number when ordering in North America.

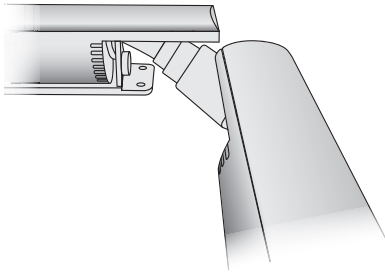
Included in the box

eW Cove MX Powercore fixture
Installation Instructions

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

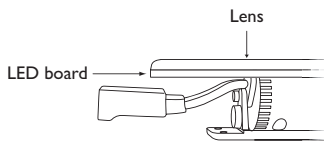
Easy turns

End-to-end locking power connectors can make turns of up to 180° 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.

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



Installation

eW Cove MX Powercore offers high-output, energy-efficient indoor white 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

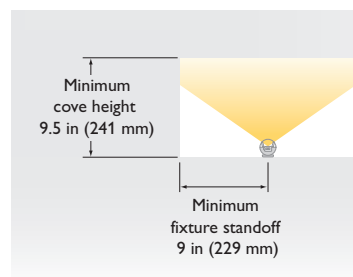
It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate eW Cove MX Powercore fixtures in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector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

Create a Layout Plan

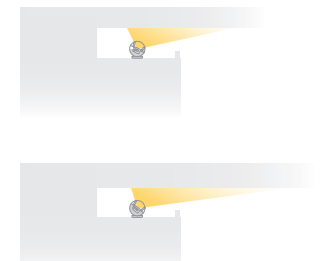
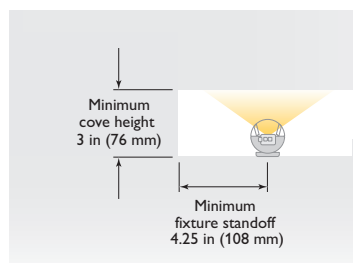
Regardless of the size and complexity of your installation, the time you spend up front can help minimize installation and configuration issues later. Keep these suggestions in mind as you plan your installation:

1. 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 (125° x 120°)



eW Cove MX Powercore
Medium beam angle (50° x 70°)



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 on the 1 ft (305 mm) fixtures allow for spacing of .4 in (10 mm) to .9 in (23 mm) without a jumper cable, while the connectors on the 4 ft (1.2 m) fixtures allow for spacing of .9 in (23 mm) to 2 in (51 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 third-party 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 to the first fixture in a series, or where local codes require it.

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 49 fixtures at 100 VAC to 136 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)

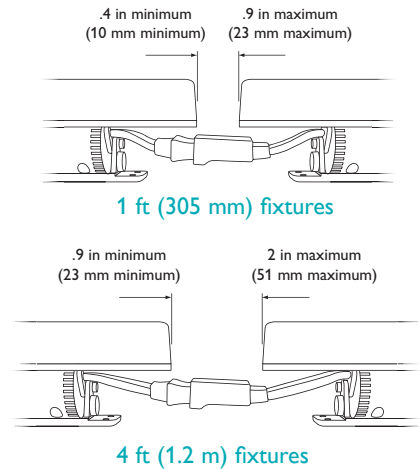
eW Cove MX Powercore can be controlled with a standard wall switch (on / off) or a selected compatible, commercially available reverse-phase ELV-type dimmer.

For information on selecting the appropriate dimmer for your lighting installation, visit www.philipscolorkinetics.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.


Distance between fixtures joined end-to-end



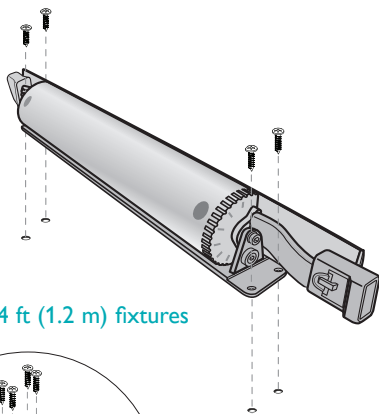
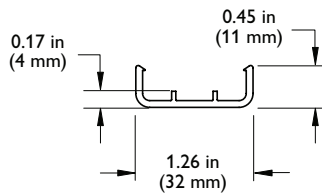
* To calculate the number of fixtures your specific installation can support, download the Configuration Calculator from www.colorkinetics.com/support/install_tool, or consult Philips Color Kinetics Application Engineering Services at support@colorkinetics.com.

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

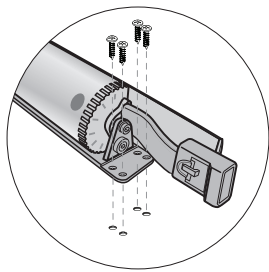
Install the Fixtures

 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.

Mounting Track dimensions



Mounting 4 ft (1.2 m) fixtures

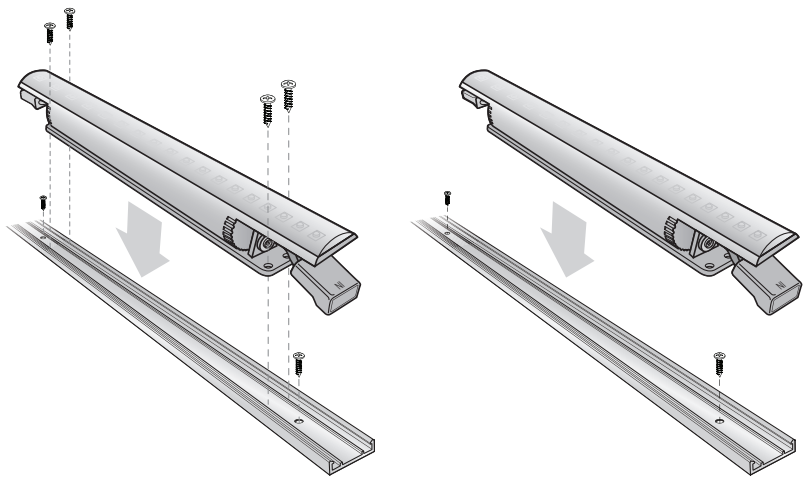
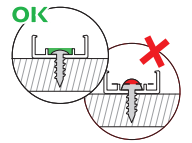


You can mount eW Cove MX Powercore fixtures directly to a wall, ceiling, cabinet, or other secure surface. You can install several fixtures in optional 4 ft (1.2 m) lengths of mounting track to ensure a straight run.

(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.

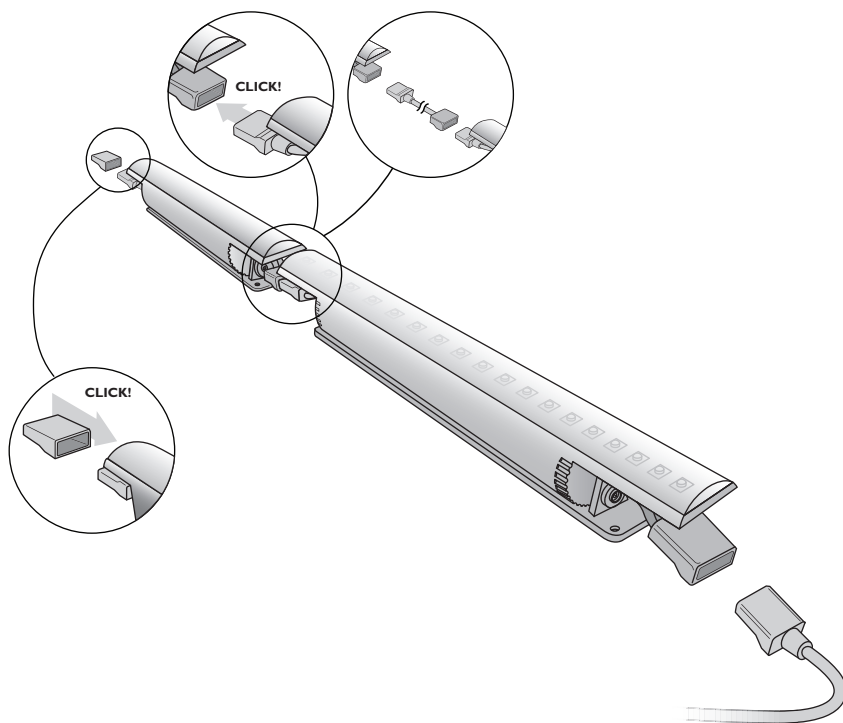
1. Rotate an eW Cove MX Powercore fixture as necessary to provide unobstructed access to the mounting holes.
2. Position the first fixture in a series.

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 1 ft (305 mm) fixtures with four #6 (3.5 mm) mounting screws each (not included) suitable for the mounting surface. Attach 4 ft (1.2 m) fixtures with eight #6 (3.5 mm) mounting screws suitable for the mounting surface, four at each end of the fixture.

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.

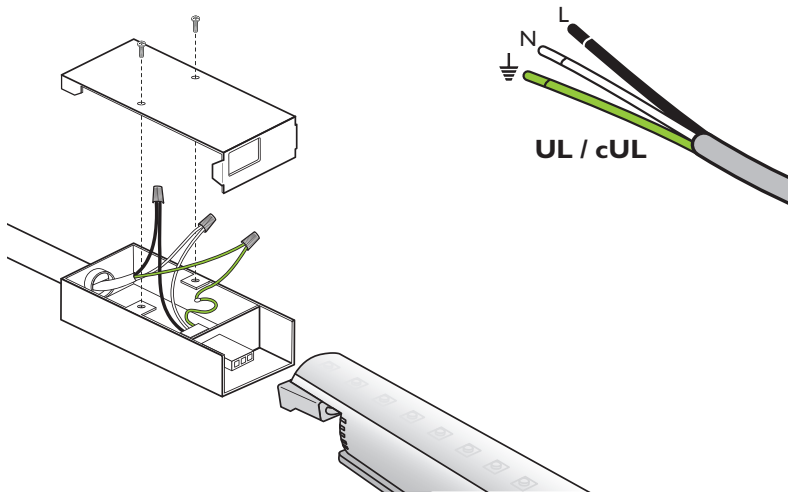


- Continue mounting the fixtures, making power connections as you go, until all lights in the series are mounted.
- Insert the provided terminator into the last fixture in the series.

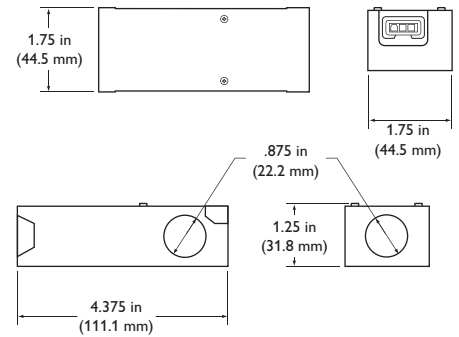
Make Power Connections

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 wiring compartment to the first fixture in the series.

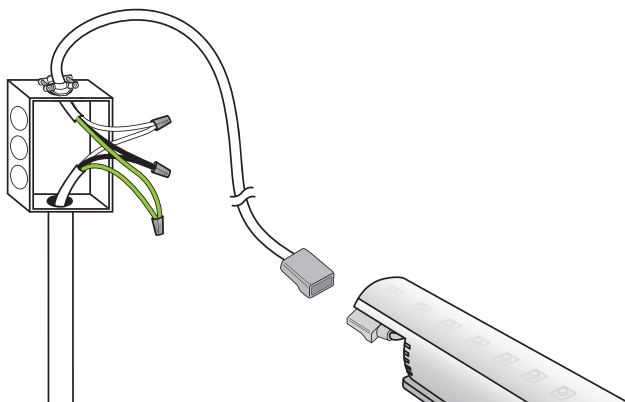


Wiring Compartment dimensions

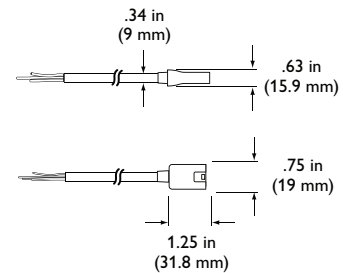


To connect the first fixture in a series to a third-party junction box using the 10 ft (3 m) Leader Cable (UL / cUL installations):

- 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 (3.1 m) leader cable to the first fixture in the series.

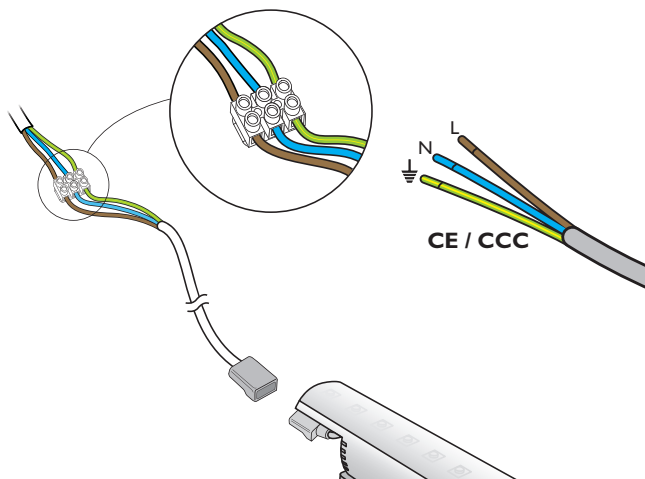


Leader Cable connector dimensions



For CE / CCC installations:

1. 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.
2. Connect ground, neutral, and line to a power source.
3. Connect the 10 ft (3.1 m) leader cable to the first fixture in the series.

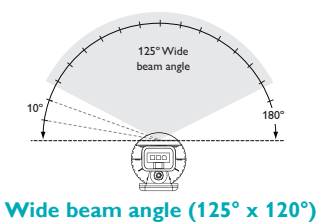


Aim and Lock the Fixtures

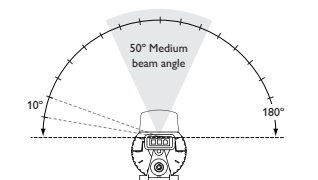
Make sure the power is ON before aiming fixtures.

Aim the fixtures by rotating each fixture to the correct angle. There are detents every 10° in the bracket that hold the fixture in position.

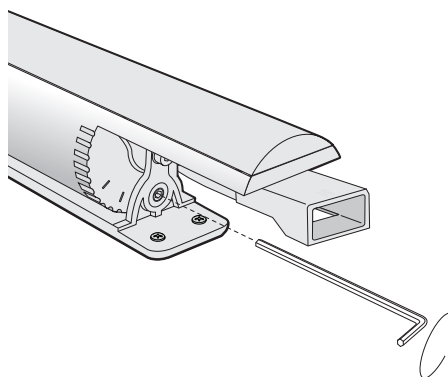
(Optional) Using a 2 mm hex key wrench, tighten the set screw located on each end of the fixture to lock the fixture in place.



Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)



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