



eW Cove MX Powercore

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



eW Cove MX Powercore

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

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.
- Superior color consistency and accuracy — Optibin, 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.
- 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 reposition 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 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

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. Mock-ups were done onsite 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 35.7 lm / W, generous light output of 425 lumens per foot, and light quality of 79 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.

Philips patented remote phosphor technology ensures a white point directly on the black body curve, significantly improving on the appearance of amber LED sources. The Philips remote phosphor technology also provides superior color consistency, with variation of less than three MacAdam ellipses across fixtures and manufacturing runs.



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.

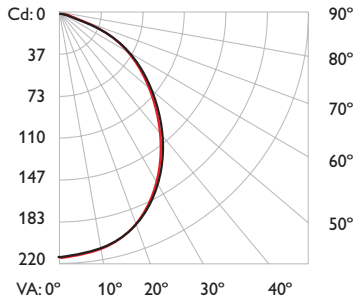
Photometrics / eW Cove MX Powercore, 1 ft (305 mm), 12.5 W / ft

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
564	48.6 lm / W

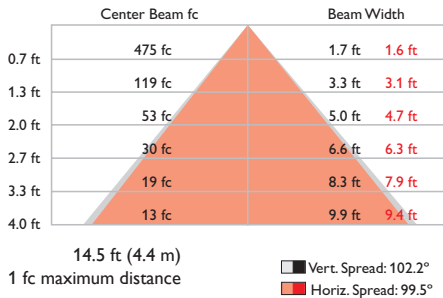
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	211	211	211	211	211
5	211	211	211	210	210
15	202	202	202	201	201
25	184	183	183	183	183
35	157	157	157	156	156
45	126	126	125	124	123
55	94	93	92	89	88
65	64	64	61	57	55
75	40	39	37	31	27
85	22	22	19	11	6
90	16	15	12	5	1

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

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

Zonal Lumen

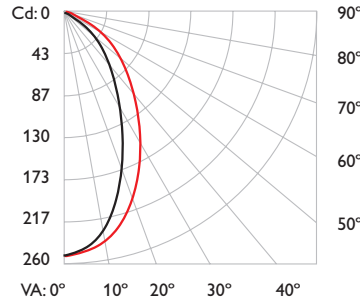
ZONE	LUMENS	%FIXT
0- 30	161	28.6
0- 40	259	45.9
0- 60	437	77.5
0- 90	553	98.1
90-120	11	1.9
90-130	11	1.9
90-150	11	1.9
90-180	11	1.9
0-180	564	100.0

For lux multiply fc by 10.7

2700 K, 50° x 70° beam angle

Lumens	Efficacy
384	34.9 lm / W

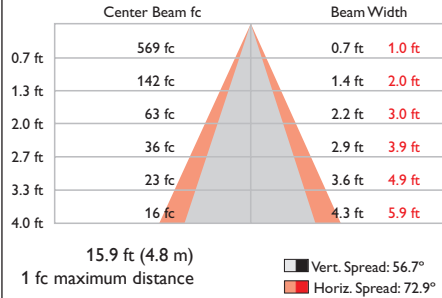
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	253	253	253	253	253
5	248	248	249	250	250
15	205	209	216	224	226
25	146	151	164	178	184
35	94	99	113	128	134
45	59	62	72	83	88
55	36	39	45	51	54
65	22	23	27	30	31
75	13	13	14	14	14
85	7	7	6	4	3
90	5	5	4	2	0

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RC	80	70	50	30	10	0
RW	70	50	30	10	0	0
0	118118118118	115115115115	110110110	105105105	100100100	97
1	110106102 99	107103100 97	99 96 94	94 92 90	90 89 87	85
2	102 95 89 84	99 93 87 83	89 84 80	85 82 78	82 79 76	74
3	94 85 78 73	92 83 77 72	80 75 70	77 73 69	74 71 67	65
4	87 77 69 64	85 76 69 63	73 67 62	70 65 61	68 64 60	58
5	81 70 62 57	79 69 62 56	67 60 55	65 59 55	63 58 54	52
6	76 64 56 51	74 63 56 50	61 55 50	59 54 49	58 53 49	47
7	71 59 51 46	69 58 51 46	57 50 45	55 49 45	54 48 44	43
8	67 55 47 42	65 54 47 42	52 46 41	51 45 41	50 45 41	39
9	63 51 43 38	61 50 43 38	49 43 38	48 42 38	47 41 37	36
10	59 47 40 36	58 47 40 35	46 39 35	45 39 35	44 38 35	33

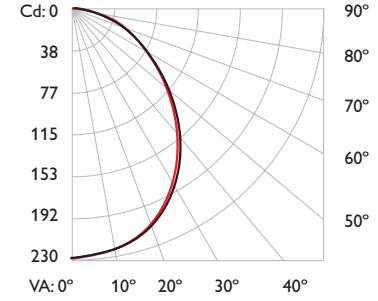
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	159	41.4
0- 40	230	59.9
0- 60	327	85.2
0- 90	374	97.5
90-120	6	1.6
90-130	8	2.0
90-150	9	2.4
90-180	10	2.5
0-180	384	100.0

3000 K, 125° x 120° beam angle

Lumens	Efficacy
603	51.1 lm / W

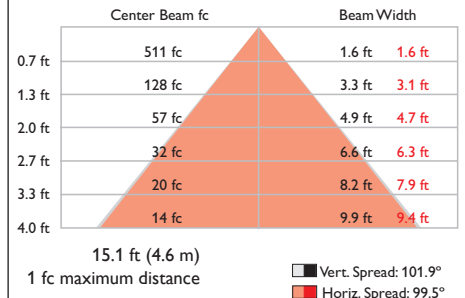
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	227	227	227	227	227
5	227	227	226	226	225
15	217	217	217	216	217
25	196	196	196	196	197
35	168	168	168	168	168
45	134	134	134	133	132
55	100	99	98	96	94
65	68	68	65	61	59
75	42	42	39	33	29
85	24	23	20	12	6
90	17	17	13	6	1

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

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

Zonal Lumen

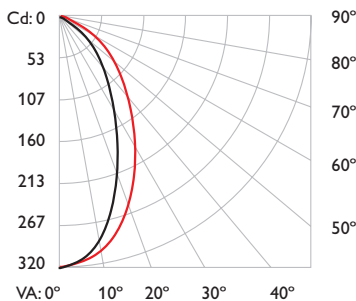
ZONE	LUMENS	%FIXT
0- 30	173	28.7
0- 40	278	46.1
0- 60	468	77.6
0- 90	592	98.1
90-120	12	1.9
90-130	12	1.9
90-150	12	1.9
90-180	12	1.9
0-180	603	100.0

Photometrics / eW Cove MX Powercore, 1 ft (305 mm), 12.5 W / ft, continued

3000 K, 50° x 70° beam angle

Lumens	Efficacy
446	36.9 lm / W

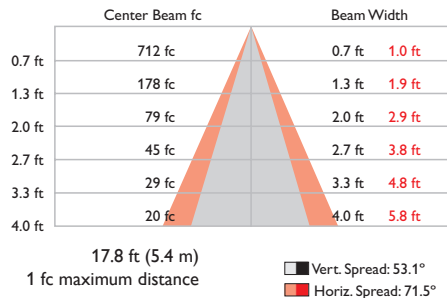
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	317	317	317	317	317
5	311	311	312	313	314
15	250	255	268	279	284
25	169	177	198	220	230
35	105	112	131	154	163
45	63	68	81	97	104
55	38	41	48	57	61
65	22	24	28	32	34
75	13	13	15	16	15
85	7	7	6	5	3
90	5	5	4	2	0

Illuminance at Distance



17.8 ft (5.4 m)
1 fc maximum distance

■ Vert. Spread: 53.1°
■ Horiz. Spread: 71.5°

Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
		80	70	50	30	10	0	80	70	50	30
RC	RW	70	50	30	10	0	0	70	50	30	10
0	119119119119	116116116116	110110110	105105105	100100100	98					
1	110106103100	107104101	98	99	97	94	95	93	91	91	90
2	102	95	90	85	100	93	88	84	90	85	82
3	95	86	79	74	92	84	78	73	81	76	72
4	88	78	71	65	86	77	70	64	74	68	63
5	82	71	64	58	80	70	63	58	68	62	57
6	77	65	58	52	75	64	57	52	63	56	51
7	72	60	53	47	70	60	52	47	58	51	47
8	68	56	49	43	66	55	48	43	54	47	43
9	64	52	45	40	63	51	45	40	50	44	39
10	60	49	42	37	59	48	41	37	47	41	37

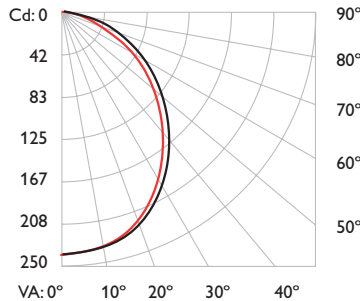
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	195	43.8
0- 40	278	62.4
0- 60	386	86.7
0- 90	436	97.9
90-120	6	1.3
90-130	7	1.6
90-150	9	2.0
90-180	9	2.1
0-180	446	100.0

3500 K, 125° x 120° beam angle

Lumens	Efficacy
653	52.7 lm / W

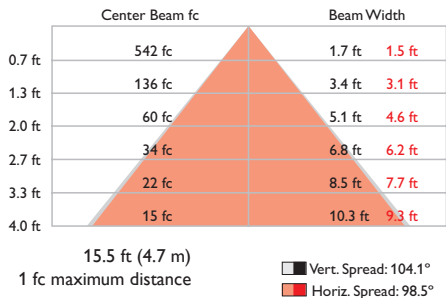
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	241	241	241	241	241
5	241	241	241	240	240
15	230	230	230	228	229
25	209	209	208	207	206
35	180	179	177	176	175
45	145	144	142	139	137
55	110	109	106	101	99
65	78	77	73	67	64
75	51	50	45	37	32
85	31	30	24	13	7
90	23	22	15	6	1

Illuminance at Distance



15.5 ft (4.7 m)
1 fc maximum distance

■ Vert. Spread: 104.1°
■ Horiz. Spread: 98.5°

Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
		80	70	50	30	10	0	80	70	50	30
RC	RW	70	50	30	10	0	0	70	50	30	10
0	118118118118	115115115115	110110110	105105105	100100100	98					
1	108103	98	94	105100	96	92	95	92	89	91	88
2	98	90	83	77	95	87	81	76	83	80	75
3	89	79	71	64	87	77	69	63	74	67	62
4	82	70	61	54	79	68	60	54	66	59	53
5	76	63	54	47	73	61	53	47	59	52	46
6	70	57	48	41	68	55	47	41	53	46	40
7	65	51	43	37	63	50	42	36	49	41	36
8	60	47	39	33	59	46	38	33	45	37	32
9	57	43	35	30	55	42	35	29	41	34	29
10	53	40	32	27	52	39	32	27	38	31	26

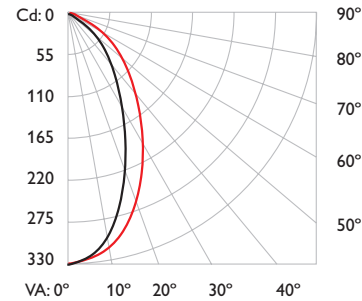
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	183	28.0
0- 40	294	45.0
0- 60	497	76.1
0- 90	638	97.6
90-120	15	2.3
90-130	15	2.4
90-150	15	2.4
90-180	15	2.4
0-180	653	100.0

3500 K, 50° x 70° beam angle

Lumens	Efficacy
476	40.0 lm / W

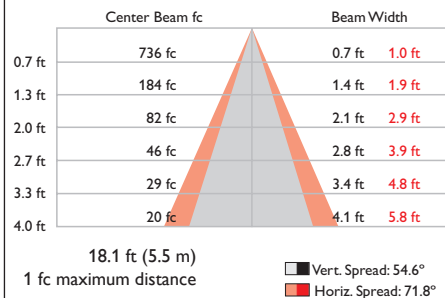
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	327	327	327	327	327
5	320	322	323	323	324
15	262	266	278	288	292
25	181	188	208	228	237
35	114	121	139	161	169
45	70	74	87	103	109
55	42	45	53	61	65
65	25	27	31	35	36
75	15	15	16	17	17
85	8	8	7	5	3
90	6	6	5	2	1

Illuminance at Distance



18.1 ft (5.5 m)
1 fc maximum distance

■ Vert. Spread: 54.6°
■ Horiz. Spread: 71.8°

Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
		80	70	50	30	10	0	80	70	50	30
RC	RW	70	50	30	10	0	0	70	50	30	10
0	118118118118	115115115115	110110110	105105105	100100100	97					
1	110106102	99	107103	100	97	99	96	94	94	92	90
2	102	95	89	84	99	93	88	83	89	85	81
3	94	86	79	73	92	84	77	72	81	75	71
4	88	78	70	64	85	76	69	64	73	67	63
5	82	71	63	57	80	70	62	57	67	61	56
6	76	65	57	52	75	64	57	51	62	55	51
7	72	60	52	47	70	59	52	46	57	51	46
8	67	55	48	43	66	55	47	43	53	47	42
9	63	51	44	39	62	51	44	39	50	43	38
10	60	48	41	36	59	47	41	36	46	40	35

Zonal Lumen

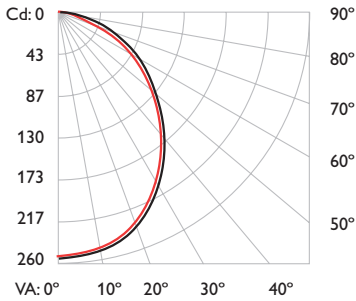
ZONE	LUMENS	%FIXT
0- 30	203	42.7
0- 40	291	61.2
0- 60	408	85.7
0- 90	463	97.3
90-120	8	1.8
90-130	10	2.1
90-150	12	2.6
90-180	13	2.7
0-180	476	100.0

For lux multiply fc by 10.7

4000 K, 125° x 120° beam angle

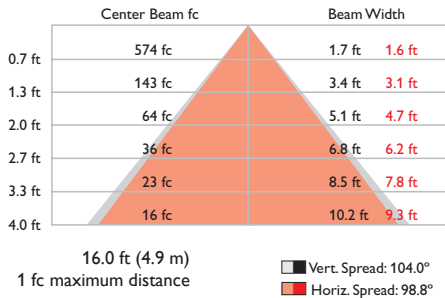
Lumens	Efficacy
696	58.5 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	255	255	255	255	255
5	255	254	255	254	253
15	244	243	243	243	243
25	222	221	221	220	219
35	191	190	188	187	185
45	155	153	151	148	146
55	117	116	113	108	105
65	83	82	77	71	68
75	55	54	48	39	34
85	34	32	25	14	7
90	25	23	16	7	1

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflection: 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	0
0	118118118118	115115115115			110110110			105105105			100100100			98			98		
1	108108118118	10510019692			951029891			9188867			8785803			8385803			80		
2	9889827764	9587878175			8378732			8075711			7673695			7369571			67		
3	89797064	87776963			7467623			7065603			6863595			6559571			57		
4	82706154	79686054			6658533			6357523			6055515			5751495			49		
5	75635447	73615347			5951467			5750455			5549445			5244427			42		
6	70564841	68554741			5346407			5145405			5044397			4737323			37		
7	65514336	63504236			4941367			4740355			4539355			4236313			29		
8	60473833	59463832			4537323			4337323			4236313			3932827			27		
9	56433529	55423529			4134299			4033299			3933287			3630263			24		
10	53403227	52393227			3831263			3731263			3630263			3326263			24		

Zonal Lumen

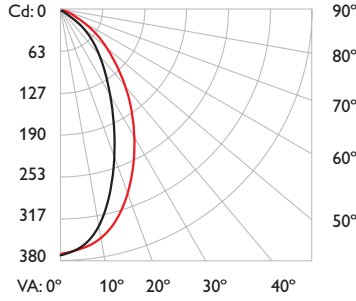
ZONE	LUMENS	%FIXT
0- 30	194	27.9
0- 40	312	44.8
0- 60	528	75.8
0- 90	679	97.5
90-120	17	2.4
90-130	17	2.5
90-150	17	2.5
90-180	17	2.5
0-180	696	100.0

For lux multiply fc by 10.7

4000 K, 50° x 70° beam angle

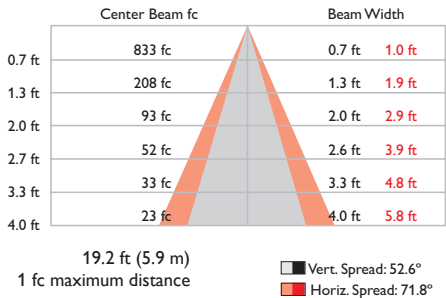
Lumens	Efficacy
518	43.5 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	370	370	370	370	370
5	362	363	366	366	365
15	292	298	313	326	332
25	197	206	231	258	269
35	121	128	152	180	192
45	72	78	94	113	120
55	43	46	56	66	70
65	26	27	32	37	38
75	15	15	17	18	18
85	8	8	7	5	4
90	6	6	5	2	1

Illuminance at Distance



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	0	50	30	10	0		
0	118118118118	115115115115	1110110110	105105105	100100100	98													
1	110106103	99107104101	98999794	959391	918988	86													
2	102959085	99938884	908582	868379	838077	75													
3	95867974	92847873	817672	787470	767269	67													
4	88787165	86777065	746863	726762	696561	59													
5	82716458	80706358	686257	666056	645955	53													
6	77665852	75655752	635651	615551	595450	48													
7	72605348	70605247	585247	565146	555046	44													
8	68564943	66554843	544743	534743	514642	41													
9	64524540	63524540	504440	494339	484339	37													
10	60494237	59484137	474137	464036	454036	35													

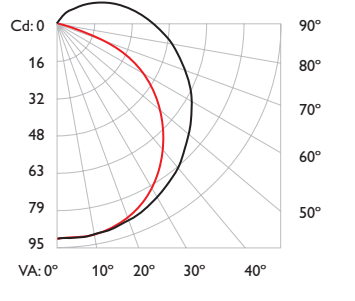
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	227	43.9
0- 40	324	62.5
0- 60	449	86.6
0- 90	506	97.7
90-120	8	1.6
90-130	10	1.9
90-150	12	2.3
90-180	12	2.3
0-180	518	100.0

2200 K, 170° x 115° beam angle

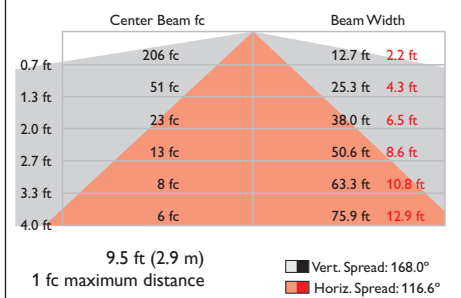
Lumens	Efficacy
425	35.7 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	91.4	91.4	91.4	91.4	91.4
5	91.5	91.5	91.2	91.0	91.1
15	90.0	89.7	89.2	88.7	88.5
25	86.8	86.2	84.8	83.4	82.9
35	82.2	81.0	78.7	76.0	74.6
45	76.1	74.9	70.9	65.7	63.4
55	69.2	67.4	61.5	54.2	50.8
65	61.8	59.2	51.7	41.9	36.0
75	53.6	50.9	42.2	29.5	21.0
85	45.2	42.5	33.1	19.2	8.6
90	41.2	38.2	28.9	15.2	4.9

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%											
	80	70			50	30			10	0		
R _w	70	50	30	10	70	50	30	10	50	30	10	0
0	115115115115	111111111111	111111111111	102102102	949494	878787	84					
1	102969085	97928782	87928782	8480777	787572	726967	63					
2	91827467	87787165	87787165	726661	666157	615754	50					
3	83716254	79686053	79686053	635650	585247	534844	41					
4	75625345	71605144	71605144	554842	514439	474137	34					
5	69554538	65534437	65534437	494135	453934	423632	29					
6	63494033	60473932	60473932	443631	413429	383228	25					
7	59443529	56433428	56433428	403227	373026	342924	22					
8	54403225	52393125	52393125	362924	342723	312622	19					
9	51372823	48362822	48362822	332621	312520	292319	17					
10	47342620	45332520	45332520	312419	292318	272118	16					

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	73.0	17.2
0- 40	122.2	28.8
0- 60	230.9	54.3
0- 90	356.5	83.9
90-120	55.1	13.0
90-130	62.5	14.7
90-150	68.1	16.0
90-180	68.5	16.1
0-180	425.0	100.0

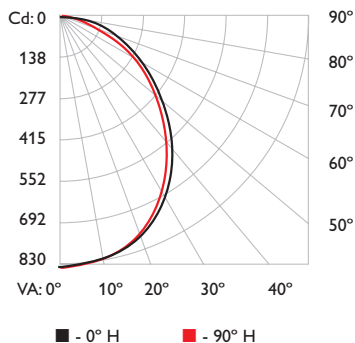
Photometrics / eW Cove MX Powercore, 4 ft (1.2 m), 12.5 W / ft

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

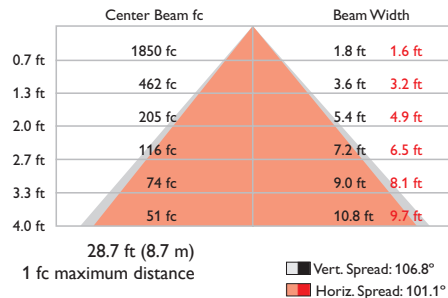
Lumens	Efficacy
2303	49.3 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	822	822	822	822	822
5	821	817	817	818	823
15	784	782	783	783	789
25	716	717	713	714	716
35	625	624	618	615	614
45	513	512	503	493	488
55	394	394	381	362	350
65	279	280	266	238	220
75	177	178	166	134	111
85	99	100	89	55	23
90	72	72	61	28	3

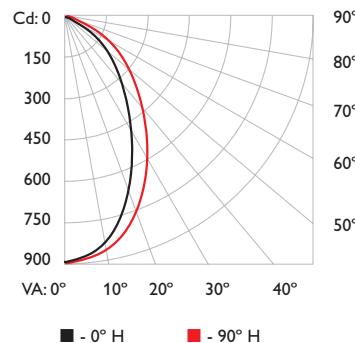
Illuminance at Distance



2700 K, 50° x 70° beam angle

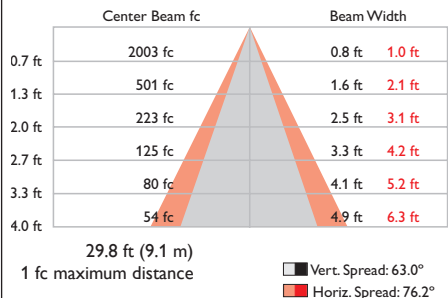
Lumens	Efficacy
1514	32.3 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	890	890	890	890	890
5	876	874	876	879	886
15	752	756	774	795	806
25	563	577	609	647	664
35	388	402	438	479	498
45	255	267	295	329	343
55	164	172	192	212	220
65	102	107	118	127	129
75	60	62	64	64	62
85	32	32	27	19	13
90	23	22	17	8	1

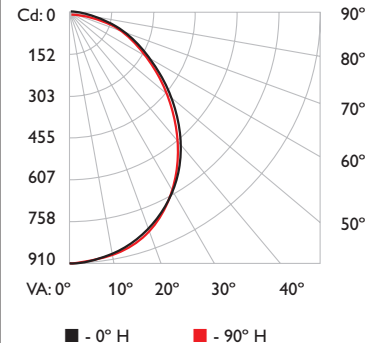
Illuminance at Distance



3000 K, 125° x 120° beam angle

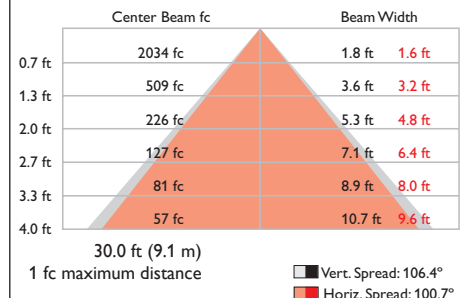
Lumens	Efficacy
2517	52.7 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	904	904	904	904	904
5	903	899	897	899	907
15	862	860	860	862	867
25	789	787	783	786	787
35	685	684	678	674	674
45	562	561	550	539	535
55	431	430	417	395	383
65	304	305	290	259	241
75	192	192	180	145	120
85	106	106	95	58	25
90	76	76	65	29	2

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflection: 20%																											
RC		80				70				50				30				10				0							
RW		70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10
0		118118118118				115115115115				110110110				105105105				100100100				98							
1		108102 98 94				105100 96 92				95 92 89				91 88 86				87 85 83				80							
2		98 89 82 76				95 87 81 75				83 78 73				80 75 71				76 72 69				67							
3		89 78 70 64				86 77 69 63				73 67 61				70 65 60				67 63 59				56							
4		82 70 61 54				79 68 60 53				65 58 52				63 56 51				60 55 50				48							
5		75 62 53 47				73 61 53 46				59 51 45				56 50 45				54 49 44				42							
6		69 56 47 41				67 55 47 40				53 45 40				51 44 39				49 43 39				37							
7		64 51 42 36				63 50 42 36				48 41 35				47 40 35				45 39 35				33							
8		60 47 38 32				58 46 38 32				44 37 32				43 36 31				41 35 31				29							
9		56 43 35 29				55 42 34 29				41 34 29				39 33 28				38 32 28				26							
10		53 39 32 26				51 39 31 26				38 31 26				37 30 26				36 30 26				24							

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	628	27.3
0- 40	1015	44.1
0- 60	1740	75.5
0- 90	2247	97.6
90-120	55	2.4
90-130	56	2.4
90-150	56	2.4
90-180	56	2.4
0-180	2303	100.0

Coefficients Of Utilization - Zonal Cavity Method

RC	80					70					Effective Floor Cavity Reflectance: 20%									
	70	50	30	10	0	70	50	30	10	0	50	30	10	50	30	10	50	30	10	
0	118118118118					115115115115					110110110			104104104			99	99	99	
1	109105101 98					106103 99 96					98 95 93			94 91 89			90	88	86	
2	101 94 87 82					98 91 86 81					88 83 79			84 80 77			81	77	75	
3	93 84 76 71					90 82 75 70					79 73 68			76 71 67			73	69	65	
4	86 75 68 62					84 74 67 61					71 65 60			69 63 59			66	62	58	
5	80 68 60 54					78 67 60 54					65 58 53			63 57 52			61	56	52	
6	75 63 54 49					73 61 54 48					59 53 48			58 52 47			56	51	47	
7	70 57 49 44					68 57 49 44					55 48 43			53 47 43			52	46	42	
8	65 53 45 40					64 52 45 40					51 44 39			49 43 39			48	43	39	
9	61 49 42 36					60 48 41 36					47 41 36			46 40 36			45	39	35	

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	580	38.3
0- 40	856	56.5
0- 60	1260	83.2
0- 90	1472	97.2
90-120	28	1.8
90-130	34	2.2
90-150	41	2.7
90-180	42	2.8
0-180	1514	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	0			
0	118118118118	115115115115	110110110	105105105	100100100	98																
1	108103 98 94	105100 96 92	95 92 89	91 88 86	87 85 83	80																
2	98 89 82 76	95 87 81 75	83 78 73	80 75 71	76 73 69	67																
3	89 79 70 64	87 77 69 63	73 67 62	70 65 60	67 63 59	57																
4	82 70 61 54	79 68 60 54	65 58 53	63 57 52	60 55 51	48																
5	75 62 53 47	73 61 53 46	59 51 46	56 50 45	54 49 44	42																
6	70 56 47 41	68 55 47 41	53 46 40	51 45 39	49 44 39	37																
7	65 51 42 36	63 50 42 36	48 41 36	47 40 35	45 39 35	33																
8	60 47 38 32	58 46 38 32	44 37 32	43 36 31	42 36 31	29																
9	56 43 35 29	55 42 34 29	41 34 29	40 33 28	38 33 28	26																
10	53 40 32 26	51 39 31 26	38 31 26	37 30 26	36 30 26	24																

Zonal Lumen

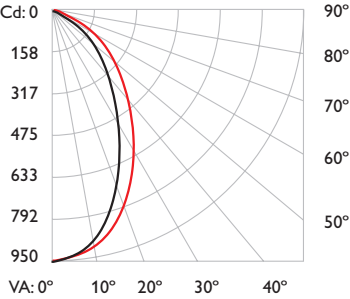
ZONE	LUMENS	%FIXT
0- 30	690	27.4
0- 40	1115	44.3
0- 60	1908	75.8
0- 90	2457	97.6
90-120	59	2.3
90-130	60	2.4
90-150	60	2.4
90-180	60	2.4
0-180	2517	100.0

For lux multiply fc by 10.7

3000 K, 50° x 70° beam angle

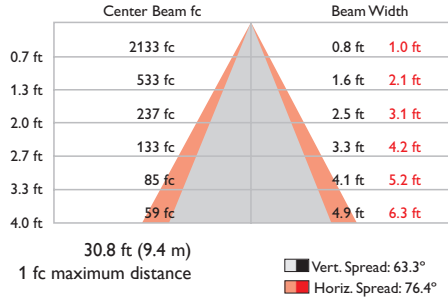
Lumens	Efficacy
1617	34.1 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	948	948	948	948	948
5	933	931	932	937	943
15	801	807	826	846	859
25	601	615	649	689	707
35	414	429	467	510	530
45	272	285	315	350	365
55	175	184	204	226	234
65	109	115	126	136	137
75	64	67	69	69	66
85	35	35	30	21	14
90	25	24	19	9	2

Illuminance at Distance



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	70	50	30	10	0
0	118118118118	115115115115	110110110	104104104	99	99	99	99	99	99	99	99	97	
1	109105101	98	106103	99	96	98	95	92	93	91	89	89	88	84
2	101	93	87	82	98	91	86	81	87	83	79	84	80	77
3	93	84	76	71	90	82	75	70	79	73	68	76	71	67
4	86	75	68	62	84	74	67	61	71	65	60	69	63	59
5	80	68	60	54	78	67	60	54	65	58	53	63	57	52
6	75	62	54	49	73	61	54	48	59	53	48	58	52	47
7	70	57	49	44	68	56	49	44	55	48	43	53	47	43
8	65	53	45	40	64	52	45	40	51	44	39	49	43	38
9	61	49	41	36	60	48	41	36	47	41	36	46	40	36
10	58	46	38	33	57	45	38	33	44	38	33	43	37	33

Zonal Lumen

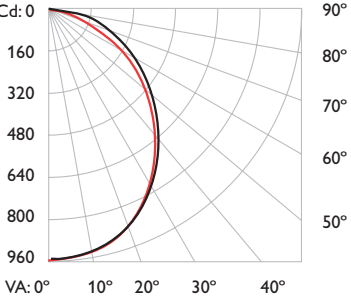
ZONE	LUMENS	%FIXT
0 - 30	619	38.3
0 - 40	912	56.4
0 - 60	1343	83.1
0 - 90	1571	97.2
90-120	30	1.9
90-130	37	2.3
90-150	45	2.8
90-180	46	2.8
0-180	1617	100.0

For lux multiply fc by 10.7

3500 K, 125° x 120° beam angle

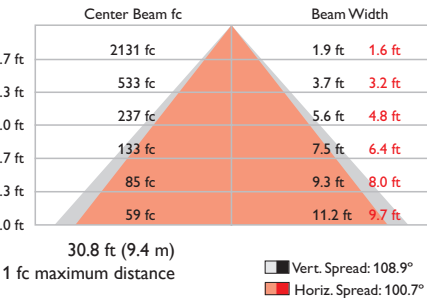
Lumens	Efficacy
2721	57.6 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	947	947	947	947	947
5	944	941	942	943	948
15	906	903	901	902	908
25	831	830	823	821	823
35	726	724	713	705	702
45	602	600	583	566	560
55	470	467	447	419	405
65	340	339	318	280	259
75	226	225	205	161	133
85	136	135	115	67	29
90	102	101	81	35	4

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																				
RC	RW	80				70				50				30				10				0
		70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10					
0	118118118118	115115115115	109109109	104104104	99	99	99	99	99	97												
1	107102	97	93	104	99	95	91	98	90	87	85	86	84	79								
2	97	89	82	76	94	87	80	74	82	77	72	79	74	70	75	71	68	66				
3	89	78	69	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55				
4	81	69	60	53	79	67	59	53	65	57	52	62	56	51	59	54	50	47				
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41				
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	49	43	38	36				
7	64	50	42	35	62	50	41	35	48	40	35	46	39	34	44	38	34	32				
8	60	46	38	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28				
9	56	42	34	29	54	42	34	28	40	33	28	39	32	28	38	32	27	26				
10	52	39	31	26	51	38	31	26	37	30	26	36	30	25	35	29	25	23				

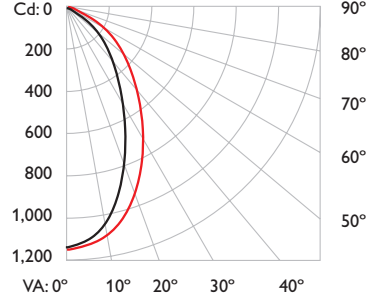
Zonal Lumen

ZONE	LUMENS	%FIXT
0 - 30	724	26.6
0 - 40	1171	43.0
0 - 60	2017	74.1
0 - 90	2639	97.0
90-120	80	2.9
90-130	82	3.0
90-150	83	3.0
90-180	83	3.0
0-180	2721	100.0

3500 K, 50° x 70° beam angle

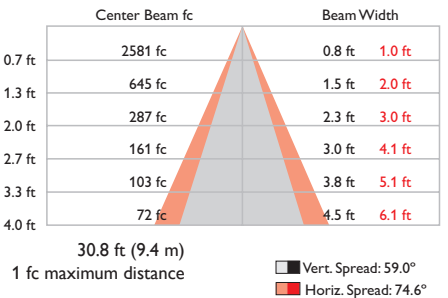
Lumens	Efficacy
1826	38.9 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	1147	1147	1147	1147	1147
5	1126	1124	1127	1132	1142
15	944	955	986	1019	1041
25	684	705	758	821	852
35	454	475	529	597	627
45	290	307	348	399	420
55	182	194	220	250	261
65	112	119	133	146	150
75	65	68	71	73	70
85	35	35	31	21	14
90	25	24	19	9	1

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																
RC		80				50				30				10				0
Rw		70	50	30	10	70	50	30	10	70	50	30	10	70	50	30	10	0
0	118118118118	115115115115	109109109	104104104	99	99	99	99	99	97								
1	107102	93	104	99	95	91	88	90	87	85	86	84	79					
2	97	89	82	76	94	87	80	74	82	77	72	79	74	70	75	71	68	66
3	89	78	69	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	79	67	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	49	43	38	36
7	64	50	42	35	62	50	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	38	32	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	29	54	42	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	26	36	30	25	35	29	25	23

Zonal Lumen

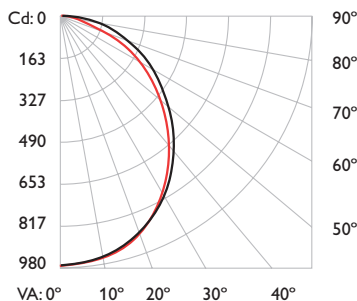
ZONE	LUMENS	%FIXT
0 - 30	732	40.1
0 - 40	1067	58.4
0 - 60	1540	84.3
0 - 90	1778	97.4
90-120	31	1.7
90-130	38	2.1
90-150	47	2.5
90-180	48	2.6
0-180	1826	100.0

Photometrics / eW Cove MX Powercore, 4 ft (305 mm), 12.5 W / ft, continued

4000 K, 125° x 120° beam angle

Lumens	Efficacy
2809	59.4 lm / W

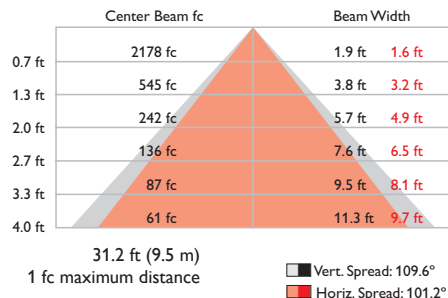
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	968	968	968	968	968
5	965	963	961	964	970
15	928	925	922	923	929
25	851	849	841	838	843
35	745	742	729	722	719
45	620	617	597	582	575
55	485	483	459	431	418
65	356	354	329	290	270
75	241	238	213	166	138
85	150	147	121	68	29
90	115	111	85	35	3

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
RC	RW	80	70	50	30	10	0	80	70	50	30
0	1	118118118118	115115115115	109109109	104104104	99	99	99	99	99	97
1	107102	97 93	104 99 95 91	94 91 88	90 87 84	86	83	81	79		
2	97	89 81 75	94 86 80 74	82 77 72	78 74 70	75	71	68	65		
3	89	78 69 63	86 76 68 62	72 66 60	69 64 59	66	61	57	55		
4	81	69 60 53	78 67 59 52	64 57 51	62 55 50	59	54	49	47		
5	75	62 52 46	72 60 52 45	58 50 44	55 49 44	53	48	43	41		
6	69	55 46 40	67 54 46 40	52 45 39	50 43 38	48	42	38	36		
7	64	50 41 35	62 49 41 35	47 40 35	46 39 34	44	38	34	32		
8	60	46 37 32	58 45 37 31	43 36 31	42 35 31	41	35	30	28		
9	56	42 34 28	54 41 34 28	40 33 28	39 32 28	38	32	27	25		
10	52	39 31 26	51 38 31 26	37 30 25	36 30 25	35	29	25	23		

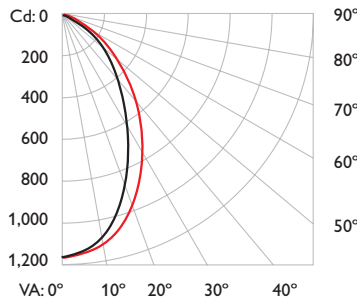
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	741	26.4
0- 40	1198	42.7
0- 60	2068	73.6
0- 90	2719	96.8
90-120	87	3.1
90-130	90	3.2
90-150	90	3.2
90-180	90	3.2
0-180	2809	100.0

4000 K, 50° x 70° beam angle

Lumens	Efficacy
1921	40.4 lm / W

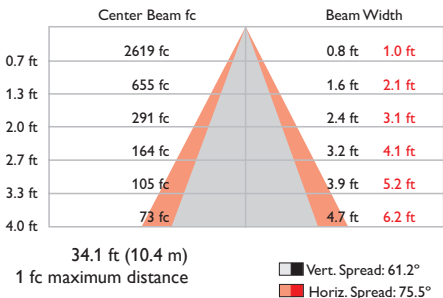
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	370	370	370	370	370
5	362	363	366	366	365
15	292	298	313	326	332
25	197	206	231	258	269
35	121	128	152	180	192
45	72	78	94	113	120
55	43	46	56	66	70
65	26	27	32	37	38
75	15	15	17	18	18
85	8	8	7	5	4
90	6	6	5	2	1

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
RC	RW	80	70	50	30	10	0	80	70	50	30
0	1	118118118118	115115115115	110110110	105105105	100100100	98				
1	110106	103 99	107104101 98	99 97 94	95 93 91	91	89	88	86		
2	102	95 90 85	99 93 88 84	90 85 82	86 83 79	83	80	77	75		
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 63	72 67 62	69	65	61	59		
5	82	71 64 58	80 70 63 58	68 62 57	66 60 56	64	59	55	53		
6	77	66 58 52	75 65 57 52	63 56 51	61 55 51	59	54	50	48		
7	72	60 53 48	70 60 52 47	58 52 47	56 51 46	55	50	46	44		
8	68	56 49 43	66 55 48 43	54 47 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		

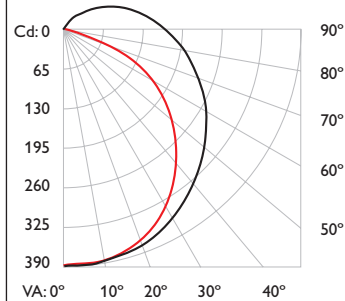
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	752	39.1
0- 40	1103	57.4
0- 60	1608	83.7
0- 90	1869	97.3
90-120	34	1.8
90-130	41	2.2
90-150	50	2.6
90-180	52	2.7
0-180	1921	100.0

2200 K, 170° x 115° beam angle

Lumens	Efficacy
1769	37.4 lm / W

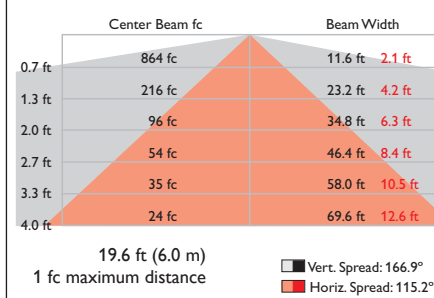
Polar Candela Distribution



■ - 0° H ■ - 90° H

	0.0	22.5	45.0	67.5	90.0
0	384	384	384	384	384
5	384	382	382	383	385
15	378	376	374	373	374
25	365	363	357	351	350
35	346	342	330	319	313
45	321	317	298	277	266
55	292	286	260	227	209
65	260	252	219	174	145
75	224	216	179	121	81
85	189	180	140	77	22
90	171	162	122	60	5

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
RC	RW	80	70	50	30	10	0	80	70	50	30
0	1	115115115115	111111111111	103103103	95 95 95	88 88 88	85				
1	102	96 90 86	98 92 87 83	85 81 77	78 75 72	72 70 67	64				
2	92	82 74 67	87 79 71 65	72 66 61	67 62 58	61 58 54	51				
3	83	71 62 54	79 68 60 53	63 56 50	58 52 47	53 49 44	41				
4	75	62 53 45	72 60 51 44	55 48 42	51 45 40	47 42 37	35				
5	69	55 46 38	66 53 44 37	49 42 36	46 39 34	42 37 32	29				
6	63	49 40 33	60 48 39 32	44 37 31	41 34 29	38 32 28	25				
7	59	45 35 29	56 43 34 28	40 32 27	37 31 26	35 29 25	22				
8	54	40 32 26	52 39 31 25	36 29 24	34 28 23	32 26 22	20				
9	51	37 28 23	49 36 28 22	33 26 21	31 25 20	29 24 20	18				
10	48	34 26 20	45 33 25 20	31 24 19	29 23 18	27 22 18	16				

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	307	17.4
0- 40	514	29.1
0- 60	972	54.9
0- 90	1496	84.6
90-120	224	12.7
90-130	253	14.3
90-150	273	15.4
90-180	273	15.4
0-180	1769	100.0

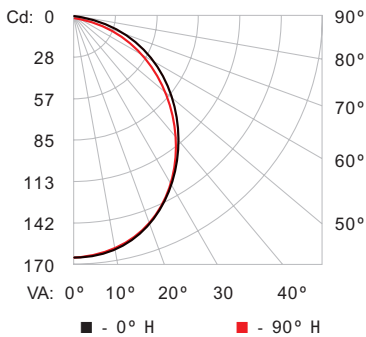
Photometrics / eW Cove MX Powercore, 1 ft (305 mm), 8 W / ft

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

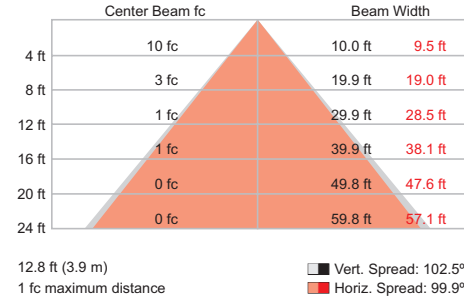
Lumens	Efficacy
441	57.2 lm / W

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

Illuminance at Distance



12.8 ft (3.9 m) 1 fc maximum distance

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	0			
0	119119119119				116116116116				110110110110			105105105105			100100100100			98			
1	108103	99	95		105101	97	93		96	93	90		92	89	86			88			
2	98	90	83	77	95	88	82	76	84	79	74		80	76	72			77			
3	90	79	71	65	87	78	70	64	74	68	63		71	66	61			68			
4	82	70	62	55	80	69	61	55	66	59	54		64	58	53			61			
5	76	63	54	48	74	62	54	47	60	52	47		57	51	46			55			
6	70	57	48	42	68	56	48	42	54	47	41		52	45	40			50			
7	65	52	43	37	63	51	43	37	49	42	36		48	41	36			46			
8	61	47	39	33	59	47	39	33	45	38	33		44	37	32			42			
9	57	44	35	30	55	43	35	30	42	34	30		40	34	29			39			
10	53	40	32	27	52	40	32	27	38	32	27		37	31	27			36			

Zonal Lumen

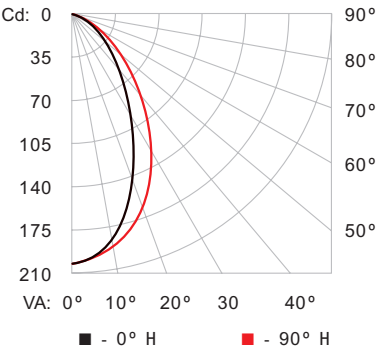
ZONE	LUMENS	%FIXT
0- 30	126	28.5
0- 40	202	45.8
0- 60	341	77.3
0- 90	431	97.9
90-120	9	2.0
90-130	9	2.1
90-150	9	2.1
90-180	9	2.1
0-180	441	100.0

For lux multiply fc by 10.7

2700 K, 50° x 70° beam angle

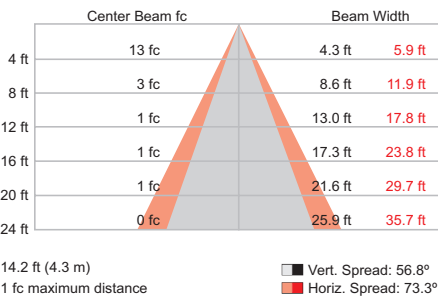
Lumens	Efficacy
306	39.7 lm / W

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

Illuminance at Distance



14.2 ft (4.3 m) 1 fc maximum distance

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%																
RC	80			70			50			30			10			0
RW	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	0
0	118118118118			115115115115			110110110110			104104104104			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 57 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

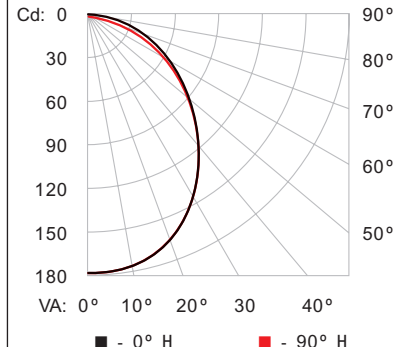
Zonal Lumen

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

3000 K, 125° x 120° beam angle

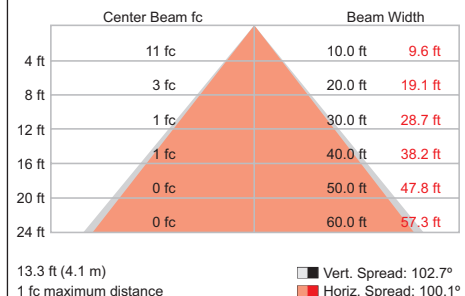
Lumens	Efficacy
475	63.0 lm / W

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



13.3 ft (4.1 m) 1 fc maximum distance

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	10	10	0	0			
0	119119119119	119119119119	116116116116	116116116116	110110110110	110110110110	105105105105	105105105105	100100100100	100100100100	98													
1	108103 99 95	108103 99 95	105101 97 93	105101 97 93	96 93 90	96 93 90	92 89 86	92 89 86	88 86 84	88 86 84	81													
2	98 90 83 77	98 90 83 77	95 88 82 76	95 88 82 76	84 79 74	84 79 74	80 76 72	80 76 72	77 74 70	77 74 70	68													
3	90 79 71 65	90 79 71 65	87 78 70 64	87 78 70 64	74 68 63	74 68 63	71 66 61	71 66 61	68 64 60	68 64 60	58													
4	82 70 62 55	82 70 62 55	80 69 61 55	80 69 61 55	66 59 54	66 59 54	64 58 53	64 58 53	61 56 52	61 56 52	49													
5	76 63 54 48	76 63 54 48	74 62 54 47	74 62 54 47	60 52 47	60 52 47	57 51 46	57 51 46	55 50 45	55 50 45	43													
6	70 57 48 42	70 57 48 42	68 56 48 41	68 56 48 41	54 46 41	54 46 41	52 45 40	52 45 40	50 44 40	50 44 40	38													
7	65 52 43 37	65 52 43 37	63 51 43 37	63 51 43 37	49 42 36	49 42 36	48 41 36	48 41 36	46 40 36	46 40 36	34													
8	61 47 39 33	61 47 39 33	59 47 39 33	59 47 39 33	45 38 33	45 38 33	44 37 32	44 37 32	42 36 32	42 36 32	30													
9	57 44 35 30	57 44 35 30	55 43 35 30	55 43 35 30	42 34 29	42 34 29	40 34 29	40 34 29	39 33 29	39 33 29	27													
10	53 40 32 27	53 40 32 27	52 40 32 27	52 40 32 27	38 32 27	38 32 27	37 31 27	37 31 27	36 31 26	36 31 26	25													

Zonal Lumen

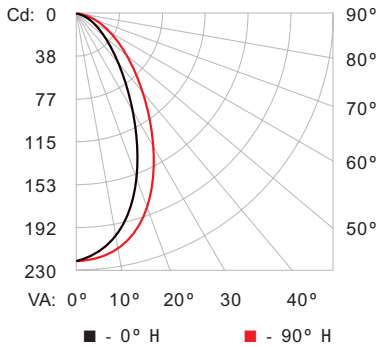
ZONE	LUMENS	%FIXT
0- 30	135	28.5
0- 40	218	45.8
0- 60	368	77.3
0- 90	466	98.0
90-120	9	2.0
90-130	10	2.0
90-150	10	2.0
90-180	10	2.0
0-180	475	100.0

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

3000 K, 50° x 70° beam angle

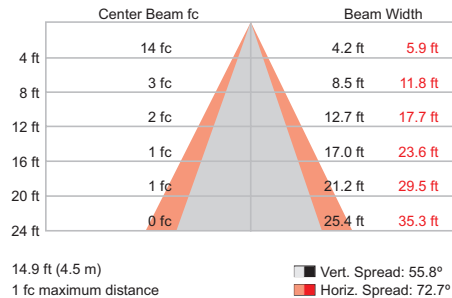
Lumens	Efficacy
330	43.6 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	222	222	222	222	222
5	217	218	218	218	219
15	179	181	189	196	199
25	125	130	143	156	162
35	80	84	96	111	117
45	49	52	61	72	76
55	30	32	37	43	46
65	18	19	22	25	26
75	10	11	11	12	12
85	6	5	5	4	2
90	4	4	3	2	1

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%																		
RC	80			70			50			30			10			0		
RW	70	50	30	70	50	30	70	50	30	70	50	30	70	50	30	0		
0	118118118118			115115115115			110110110			104104104			99	99	99	97		
1	110106102			107103100			99	96	94	94	92	90	90	89	87	85		
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	94	85	78	73	92	84	77	72	80	75	70	77	73	69	75	71	68	65
4	88	77	70	64	85	76	69	63	73	67	62	71	65	61	68	64	60	58
5	82	70	63	57	79	69	62	57	67	61	56	65	59	55	63	58	54	52
6	76	65	57	51	74	64	56	51	62	55	50	60	54	50	58	53	49	47
7	71	59	52	46	70	59	51	46	57	50	46	55	49	45	54	49	45	43
8	67	55	47	42	65	54	47	42	53	46	42	51	46	41	50	45	41	39
9	63	51	44	39	62	50	43	39	49	43	38	48	42	38	47	42	38	36
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	33

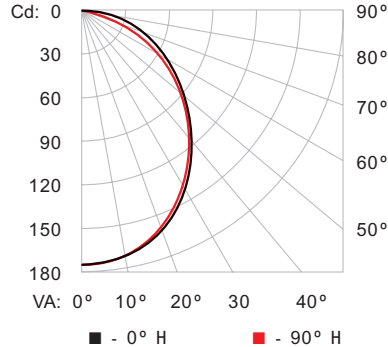
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	139	42.0
0- 40	200	60.5
0- 60	282	85.4
0- 90	321	97.2
90-120	6	1.8
90-130	7	2.2
90-150	9	2.7
90-180	9	2.8
0-180	330	100.0

3500 K, 125° x 120° beam angle

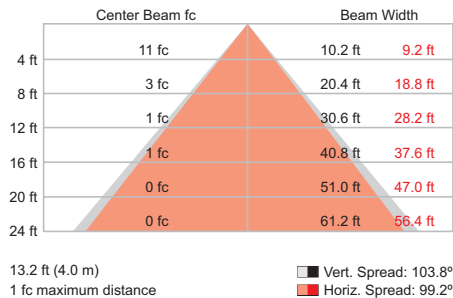
Lumens	Efficacy
473	61.4 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	174	174	174	174	174
5	174	173	174	173	173
15	167	166	166	165	165
25	152	151	151	149	149
35	130	129	129	128	126
45	105	104	103	101	100
55	80	79	77	73	72
65	56	55	52	48	46
75	37	36	32	27	23
85	22	21	17	10	5
90	17	15	11	4	1

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																	
RC		80			70			50			30			10			0		
R	W	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	1	118118118118				115115115115				110110110			105105105			100100100			98
1	2	108103	98	94		105100	96	92		95	92	89		91	88	86			87
2	3	98	90	83	77		95	87	81	76		83	78	73	80	75	71		76
3	4	89	79	71	64		87	77	69	63		74	67	62	71	65	60		68
4	5	82	70	61	54		79	68	60	54		66	59	53	63	57	52		61
5	6	76	63	54	47		73	61	53	47		59	52	46	57	50	45		55
6	7	70	57	48	41		68	55	47	41		53	46	40	52	45	40		50
7	8	65	51	43	37		63	50	42	36		49	41	36	47	40	35		45
8	9	60	47	38	33		59	46	38	33		45	37	32	43	37	32		42
9	10	56	43	35	29		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

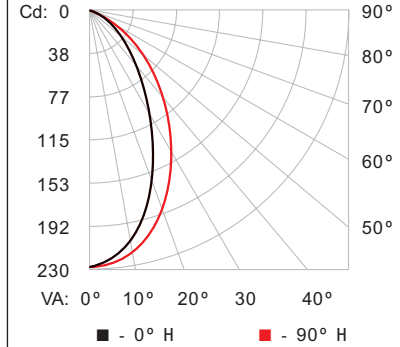
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	132	28.0
0- 40	212	44.9
0- 60	360	76.1
0- 90	462	97.6
90-120	11	2.3
90-130	11	2.4
90-150	11	2.4
90-180	11	2.4
0-180	473	100.0

3500 K, 50° x 70° beam angle

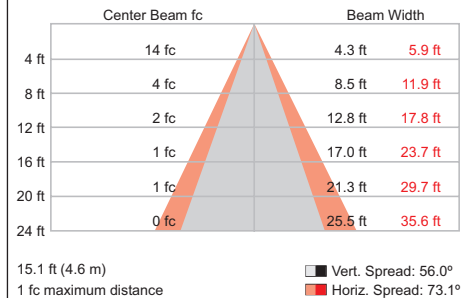
Lumens	Efficacy
341	44.3 lm / W

Polar Candela Distribution



	0.0	22.5	45.0	67.5	90.0
0	227	227	227	227	227
5	223	223	224	224	224
15	184	186	194	201	204
25	129	134	147	160	166
35	83	87	100	114	121
45	51	55	64	74	79
55	32	33	39	45	48
65	19	20	23	26	27
75	11	11	12	12	12
85	6	6	5	4	2
90	4	4	3	2	1

Illuminance at Distance



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

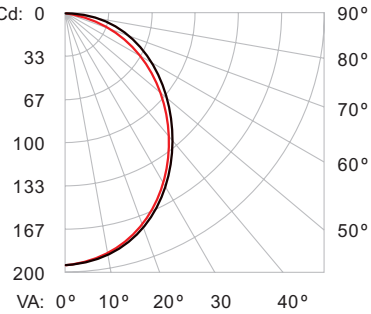
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	142	41.7
0- 40	206	60.2
0- 60	291	85.2
0- 90	332	97.2
90-120	6	1.8
90-130	7	2.2
90-150	9	2.7
90-180	10	2.8
0-180	341	100.0

4000 K, 125° x 120° beam angle

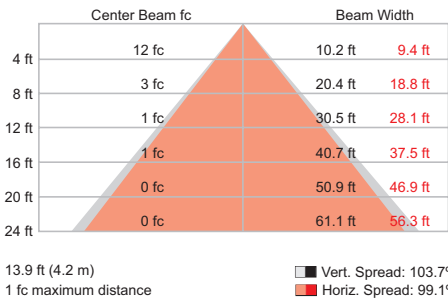
Lumens	Efficacy
525	69.0 lm / W

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



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	0
0	1181	1811	1811	1181	1151	1511	1511	1151	1091	0910	99	97
1	1081	0398	8377	9587	8176	8478	7480	7572	7773	7070	67	61
2	9890	8377	9587	8176	8478	7480	7572	7773	7070	67	61	55
3	8979	7164	8777	6963	7467	6271	6561	6863	5957			
4	8270	6154	8069	6054	6659	5363	5752	6155	5149			
5	7663	5447	7361	5347	5952	4657	5045	5549	4542			
6	7057	4841	6856	4741	5346	4052	4540	5044	3937			
7	6551	4337	6350	4236	4941	3647	4036	4640	3533			
8	6047	3933	5946	3833	4537	3243	3732	4236	3230			
9	5743	3530	5542	3529	4134	2940	3329	3933	2927			
10	5340	3227	5239	3227	3831	2637	3126	3630	2624			

Zonal Lumen

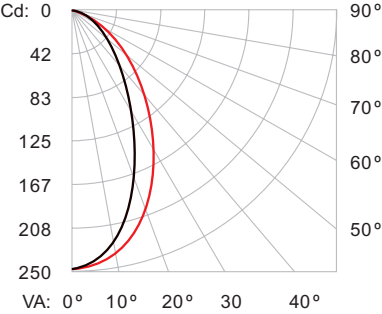
ZONE	LUMENS	%FIXT
0- 30	147	28.0
0- 40	236	45.0
0- 60	400	76.2
0- 90	512	97.7
90-120	12	2.3
90-130	12	2.3
90-150	12	2.3
90-180	12	2.3
0-180	525	100.0

For lux multiply fc by 10.7

4000 K, 50° x 70° beam angle

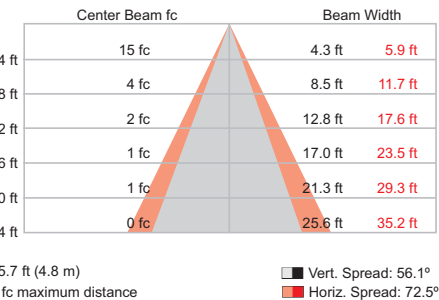
Lumens	Efficacy
369	47.8 lm / W

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



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	0
0	1181	1811	1811	1181	1151	1511	1511	1151	1091	0910	99	97
1	1101	0610	299	1071	0310	9798	9693	9492	9090	8887	85	81
2	10295	8984	9992	8783	8984	80	7572	7773	7070	67	61	55
3	9485	7873	9283	7772	8075	70	7772	6974	7067	65		
4	8777	7064	8576	6963	7367	62	7065	6168	6460	58		
5	8170	6257	7969	6256	6760	55	6559	5562	5854	52		
6	7664	5751	7463	5651	6155	50	5954	4958	5349	47		
7	7159	5246	6958	5146	5750	45	5549	4554	4844	43		
8	6755	4742	6554	4742	5346	42	5145	4150	4541	39		
9	6351	4439	6250	4339	4943	38	4842	3847	4138	36		
10	5948	4036	5847	4036	4640	35	4539	3544	3935	33		

Zonal Lumen

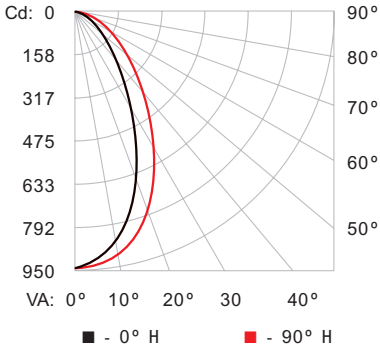
ZONE	LUMENS	%FIXT
0- 30	154	41.7
0- 40	222	60.1
0- 60	313	84.9
0- 90	358	96.9
90-120	7	1.9
90-130	9	2.4
90-150	11	3.0
90-180	11	3.1
0-180	369	100.0

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

3000 K, 50° x 70° beam angle

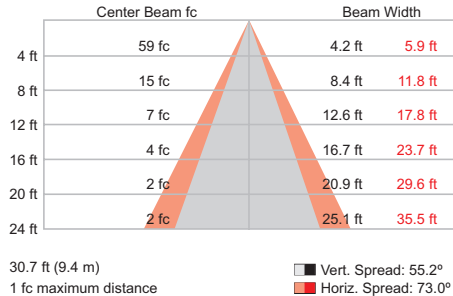
Lumens	Efficacy
1398	45.0 lm / W

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)
1 fc maximum distance

Vert. Spread: 55.2°
Horiz. Spread: 73.0°

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	0
0	118118118118				115115115115				110110110			105105105			100100100			98
1	110106102				107104100				99	96	94	95	93	91	89	87	85	83
2	102	95	89	84	99	93	88	83	89	85	81	86	82	79	77	75	73	71
3	94	85	79	73	92	84	77	72	81	75	71	78	73	69	75	71	68	66
4	88	77	70	64	85	76	69	64	73	67	63	71	66	61	69	64	60	58
5	82	71	63	57	80	69	62	57	67	61	56	65	59	55	63	58	54	52
6	76	65	57	51	74	64	56	51	62	55	50	60	54	50	58	53	49	47
7	71	60	52	46	70	59	51	46	57	51	46	55	50	45	54	49	45	43
8	67	55	48	42	66	54	47	42	53	46	42	52	46	42	50	45	41	39
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36
10	60	48	41	36	58	47	40	36	46	40	36	45	39	35	44	39	35	34

Zonal Lumen

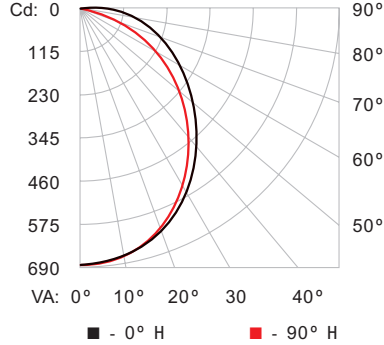
ZONE	LUMENS	%FIXT
0- 30	590	42.2
0- 40	850	60.8
0- 60	1199	85.8
0- 90	1365	97.6
90-120	22	1.5
90-130	27	1.9
90-150	33	2.3
90-180	33	2.4
0-180	1398	100.0

For lux multiply fc by 10.7

3500 K, 125° x 120° beam angle

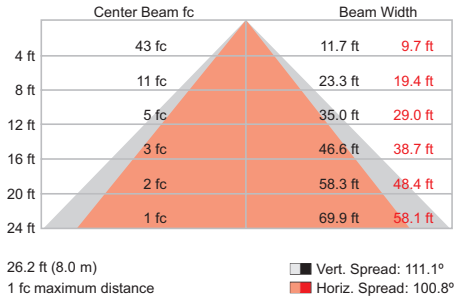
Lumens	Efficacy
2011	65.3 lm / W

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)
1 fc maximum distance

Vert. Spread: 111.1°
Horiz. Spread: 100.8°

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	0			
0	118118118118				115115115115				109109109				104104104			98	98	98			
1	107102	97	93		104	99	95	91	94	90	87		89	86		85	83	81			
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	69	63	58	65	61	57	54			
4	81	68	59	53	78	67	59	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	40	66	54	45	39	52	44	39	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	31	42	35	30	40	34	30	28			
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25			
10	52	39	31	26	50	38	30	25	37	30	25	36	29	25	34	29	24	23			

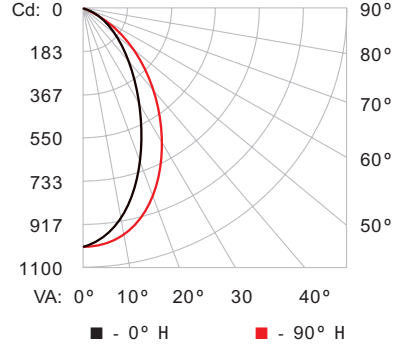
Zonal Lumen

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

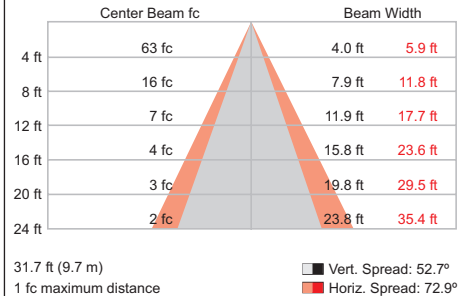
Lumens	Efficacy
1418	45.4 lm / W

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)
1 fc maximum distance

Vert. Spread: 52.7°
Horiz. Spread: 72.9°

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	0			
0	119119119119	116116116116				110110110				105105105				100100100				98			
1	110106103	107104101				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 78 76							
3	95 86 79 74	92 84 78 73				81 76 72				78 74 70				72 67 69 67							
4	88 78 71 65	86 77 70 65				74 68 64				72 67 63				69 65 62 60							
5	82 71 64 58	80 70 63 58				68 62 57				66 60 56				64 59 55 54							
6	77 66 58 52	75 65 57 52				63 56 51				61 55 51				59 54 50 48							
7	72 60 53 47	71 60 52 47				58 52 47				56 50 46				54 49 46 44							
8	68 56 49 43	66 55 48 43				54 47 43				53 47 43				51 46 42 41							
9	64 52 45 40	63 51 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

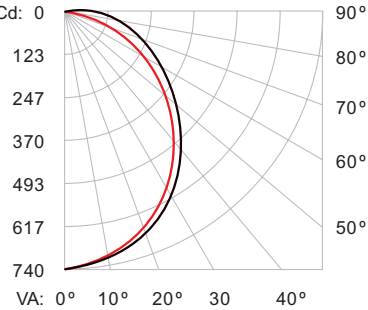
ZONE	LUMENS	%FIXT
0- 30	621	43.8
0- 40	887	62.6
0- 60	1232	86.9
0- 90	1389	98.0
90-120	19	1.3
90-130	23	1.6
90-150	28	2.0
90-180	29	2.0
0-180	1418	100.0

Photometrics / eW Cove MX Powercore, 4 ft (305 mm), 8 W / ft, continued

4000 K, 125° x 120° beam angle

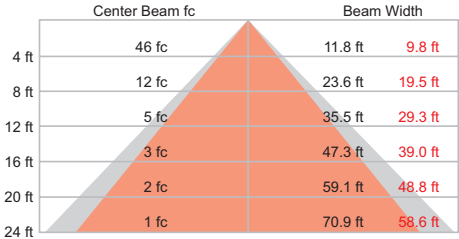
Lumens	Efficacy
2169	70.4 lm / W

Polar Candela Distribution



	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

Illuminance at Distance



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

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	0			
0	118118118118	115115115115	115115115115	115115115115	115115115115	109109109	109109109	104104104	104104104	99	99	99	99	99	99	96	96	96	96			
1	107101	97	97	97	97	104	95	95	95	91	90	87	86	84	84	85	83	81	78			
2	97	88	81	75	94	86	79	74	82	76	71	78	73	69	74	70	67	65	64			
3	88	77	69	62	85	75	68	61	72	65	60	68	63	58	65	61	57	54	53			
4	81	68	59	53	78	67	58	52	64	57	51	61	55	50	58	53	49	46	45			
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	53	47	42	40	39			
6	69	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35	34			
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	44	38	33	31	30			
8	59	46	37	31	57	45	37	31	43	36	30	42	35	30	40	34	30	28	27			
9	55	42	34	28	54	41	33	28	40	33	27	38	32	27	37	31	27	25	24			
10	52	39	31	25	50	38	30	25	37	30	25	36	29	25	34	29	24	23	22			

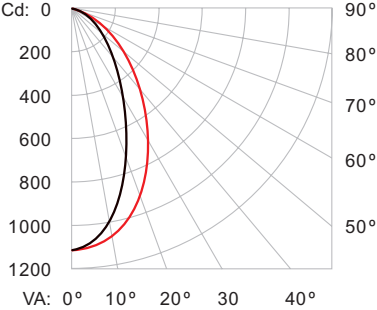
Zonal Lumen

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

4000 K, 50° x 70° beam angle

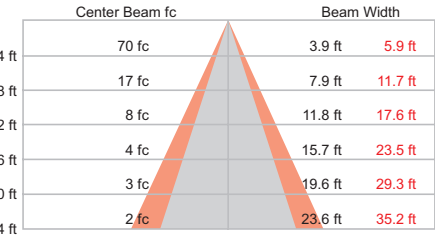
Lumens	Efficacy
1560	50.3 lm / W

Polar Candela Distribution



	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



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

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%															
	80			70			50			30			10	0	
C/W	70	50	30	10	70	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	90	88	86			
2	102	95	90	85	100	93	88	84	90	85	82	86	83	80	78
3	95	86	79	74	92	84	78	73	81	76	72	78	74	70	67
4	88	78	71	65	86	77	70	65	74	68	64	72	67	63	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	54
6	77	66	58	52	75	65	57	52	63	56	52	61	55	51	49
7	72	61	53	48	71	60	52	47	58	52	47	57	51	46	44
8	68	56	49	44	66	55	48	43	54	48	43	53	47	43	41
9	64	52	45	40	63	52	45	40	50	44	40	49	43	39	37
10	60	49	42	37	59	48	41	37	47	41	37	46	40	36	35

Zonal Lumen

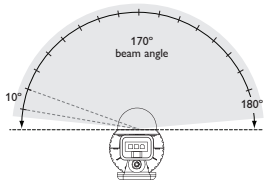
ZONE	LUMENS	%FIXT
0- 30	685	43.9
0- 40	977	62.6
0- 60	1356	86.9
0- 90	1527	97.9
90-120	21	1.3
90-130	26	1.7
90-150	32	2.0
90-180	33	2.1
0-180	1560	100.0

For lux multiply fc by 10.7

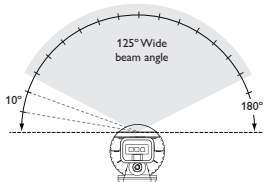
eW Cove MX Powercore Specifications

1 ft (305 mm), 12.5 W / ft

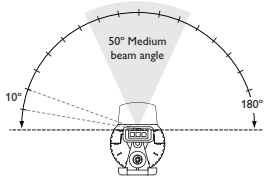
Due to continuous improvements and innovations, specifications may change without notice.



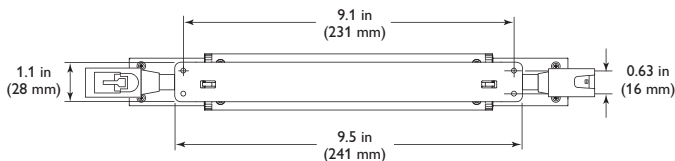
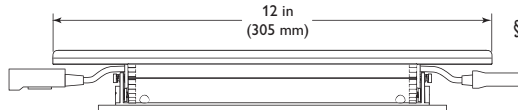
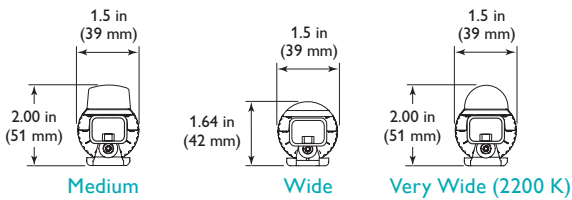
**Very wide beam angle (170° x 115°)
2200 K only**



Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)



Color Temperature	Beam Angle	Lumens†	Efficacy (lm / W)	CRI
2200 K	Very wide (170° x 115°)	425	35.7	79
2700 K*	Wide (125° x 120°)	564	48.6	82
	Medium (50° x 70°)	384	34.9	83
3000 K*	Wide (125° x 120°)	603	51.1	83
	Medium (50° x 70°)	446	36.9	83
3500 K*	Wide (125° x 120°)	653	52.7	83
	Medium (50° x 70°)	476	40.0	84
4000 K*	Wide (125° x 120°)	696	58.5	83
	Medium (50° x 70°)	518	43.5	82

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	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
	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
	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.

OPTIBIN® | POWERCORE® | DIMAND®
CK TECHNOLOGY | CK TECHNOLOGY | CK TECHNOLOGY

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	Very wide (170° x 115°)	1769	37.4	79
2700 K*	Wide (125° x 120°)	2303	49.3	80
	Medium (50° x 70°)	1514	32.3	81
3000 K*	Wide (125° x 120°)	2517	52.7	82
	Medium (50° x 70°)	1617	34.1	83
3500 K*	Wide (125° x 120°)	2721	57.6	84
	Medium (50° x 70°)	1826	38.9	84
4000 K*	Wide (125° x 120°)	2809	59.4	83
	Medium (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
	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

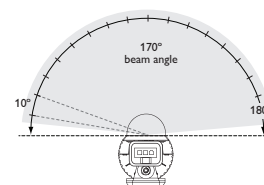
* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.



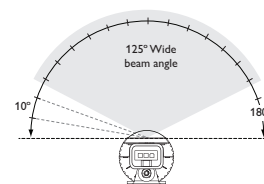
† Lumen measurement complies with IES LM-79-08 testing procedures.

‡ 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.

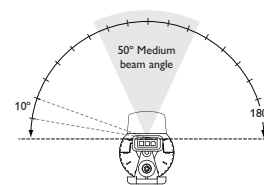
§ Refer to www.philipscolorkinetics.com/support/appnotes/ for specific details.



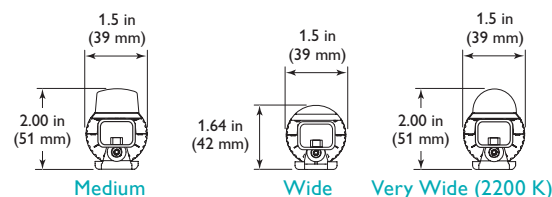
Very wide beam angle (170° x 115°)
2200 K only



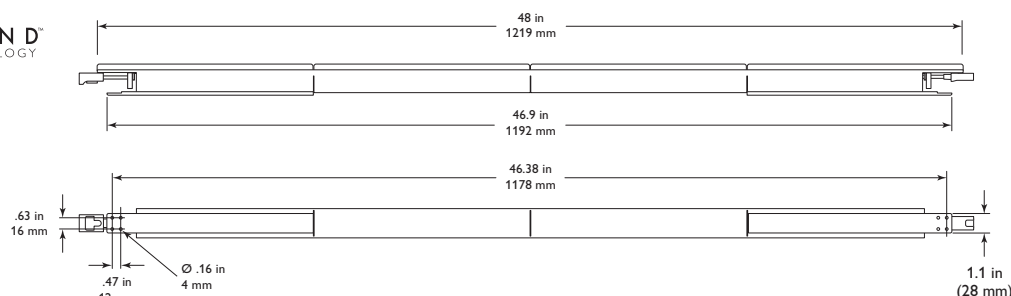
Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)



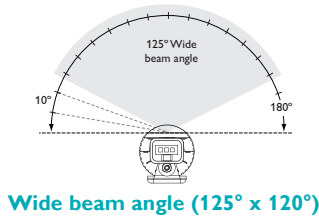
OPTIBIN® CKTECHNOLOGY | POWERCORE® CKTECHNOLOGY | DIMAND® CKTECHNOLOGY



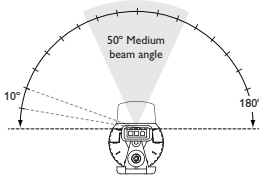
eW Cove MX Powercore Specifications

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
Certification and Safety	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	UL / cUL, FCC Class B, CE, CCC, SAA, C-Tick
	Environment	Dry / Damp Location, IP20

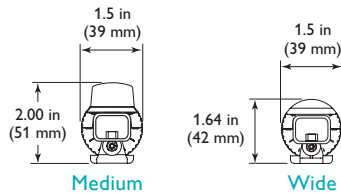
* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

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

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

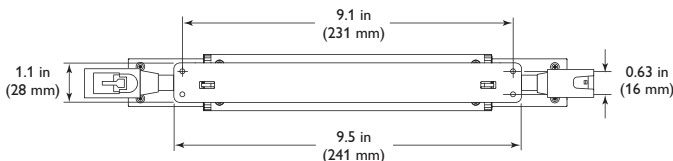
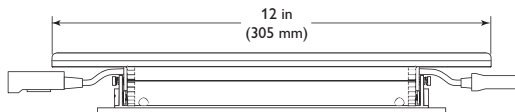
L50 = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements 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.



Medium

Wide



OPTIBIN[®] | POWERCORE[®] | DIMAND[™]
CK TECHNOLOGY | CK TECHNOLOGY | CK TECHNOLOGY

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*	Wide (125° x 120°)	1846	59.2	83
	Medium (50° x 70°)	1260	40.8	83
3000 K*	Wide (125° x 120°)	1958	64.0	84
	Medium (50° x 70°)	1398	45.0	84
3500 K*	Wide (125° x 120°)	2011	65.3	84
	Medium (50° x 70°)	1418	45.4	84
4000 K*	Wide (125° x 120°)	2169	70.4	83
	Medium (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
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.

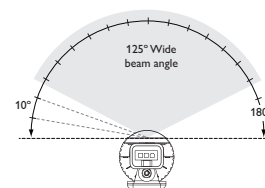


† Lumen measurement complies with IES LM-79-08 testing procedures.

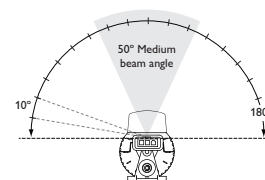
‡ L70 = 70% lumen maintenance (when light output drops below 70% of initial output).

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.

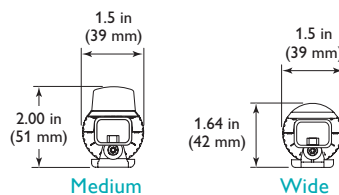
§ Refer to www.philipscolorkinetics.com/support/appnotes/ for specific details.



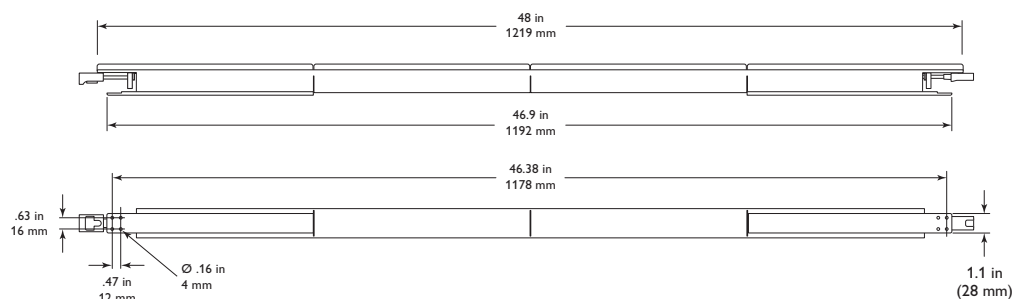
Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)



OPTIBIN® | POWERCORE® | DIMAND®
CK TECHNOLOGY | CK TECHNOLOGY | CK TECHNOLOGY



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	170° x 115°	523-000050-16	910503701725
		125° x 120°	523-000050-17	910503701726
	3000 K	50° x 70°	523-000050-01	910503700979
		125° x 120°	523-000050-18	910503701727
		50° x 70°	523-000050-05	910503700983
	3500 K	125° x 120°	523-000050-19	910503701728
		50° x 70°	523-000050-09	910503700987
	4000 K	125° x 120°	523-000050-20	910503701729
		50° x 70°	523-000050-13	910503700991
eW Cove MX Powercore 1 ft (305 mm), 8 W / ft	2700 K	125° x 120°	523-000050-30	910503704153
		50° x 70°	523-000050-34	910503704157
	3000 K	125° x 120°	523-000050-31	910503704154
		50° x 70°	523-000050-35	910503704158
	3500 K	125° x 120°	523-000050-32	910503704155
		50° x 70°	523-000050-36	910503704159
	4000 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	170° x 115°	523-000050-21	910503702610
		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
		125° x 120°	523-000050-46	910503703171
eW Cove MX Powercore 4 ft (1.2 m), 8 W / ft	2700 K	50° x 70°	523-000050-50	910503703175
		125° x 120°	523-000050-47	910503703172
	3000 K	50° x 70°	523-000050-51	910503703176
		125° x 120°	523-000050-48	910503703173
	3500 K	50° x 70°	523-000050-52	910503703177
		125° x 120°	523-000050-49	910503703174
	4000 K	50° x 70°	523-000050-53	910503703178
		125° x 120°	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.

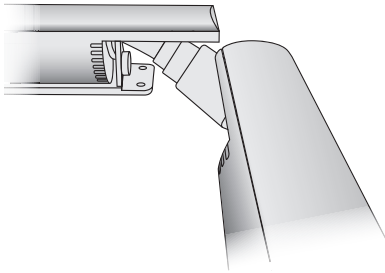
Included in the box

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.



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

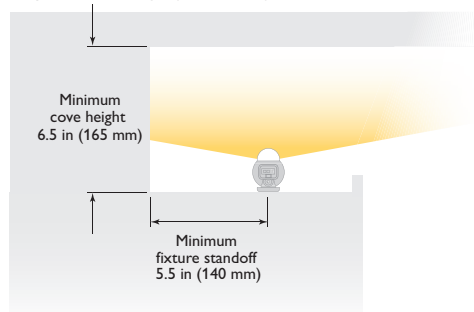
It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate eW Cove MX Powercore fixtures in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector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

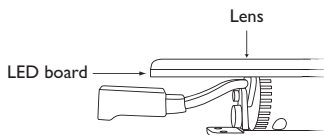
1. On an architectural diagram or other diagram that shows the physical layout of the installation, create a layout map that specifies the appropriate location of the light fixtures in relation to each other, and to any dimmer switches, wall switches, and line power sources. Identify any obstacles or 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

eW Cove MX Powercore (2200 K)
Very wide beam angle (170° x 115°)

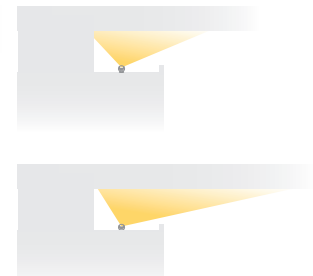
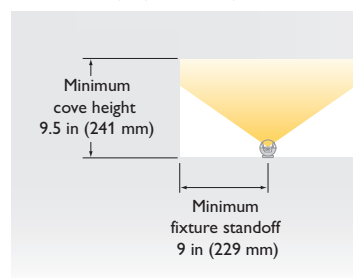


* These diagrams provide general guidelines for positioning eW Cove MX Powercore fixtures in coves with matte white surfaces. Specific dimensions and positioning depend on the details of your installation.

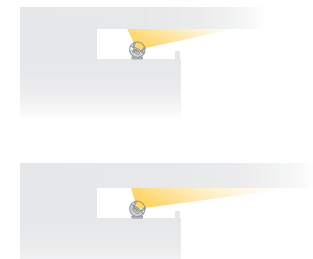
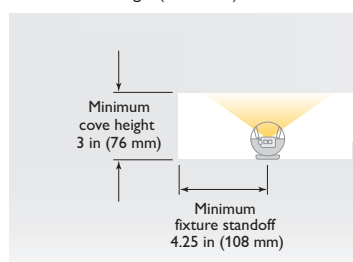
* Minimum cove height is mixing distance + height of fixture to LED board.



eW Cove MX Powercore
Wide beam angle (125° x 120°)



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



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.

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)

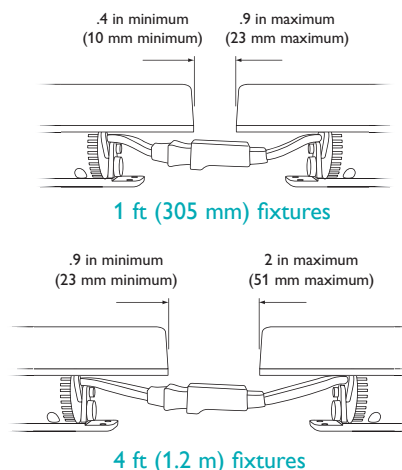
eW Cove MX Powercore can be controlled with a standard wall switch (on / off) or a compatible, commercially available reverse-phase ELV-type dimmer.

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



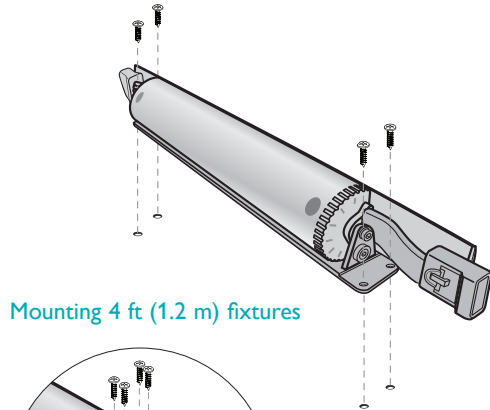
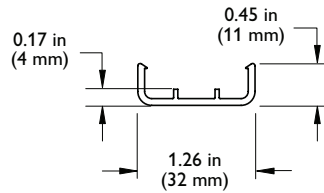
* To calculate the number of fixtures your specific installation can support, download the Configuration Calculator from www.colorkinetics.com/support/install_tool, or consult Philips Color Kinetics Application Engineering Services at support@colorkinetics.com.

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

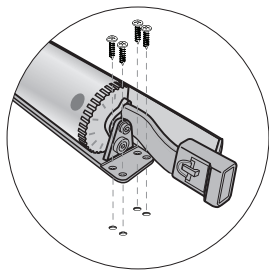
Install the Fixtures

 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

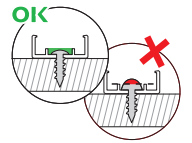


You can mount eW Cove MX Powercore fixtures directly to a wall, ceiling, cabinet, or other secure surface. You can install several fixtures in optional 4 ft (1.2 m) lengths of mounting track to ensure a straight run.

(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 MX Powercore fixtures.

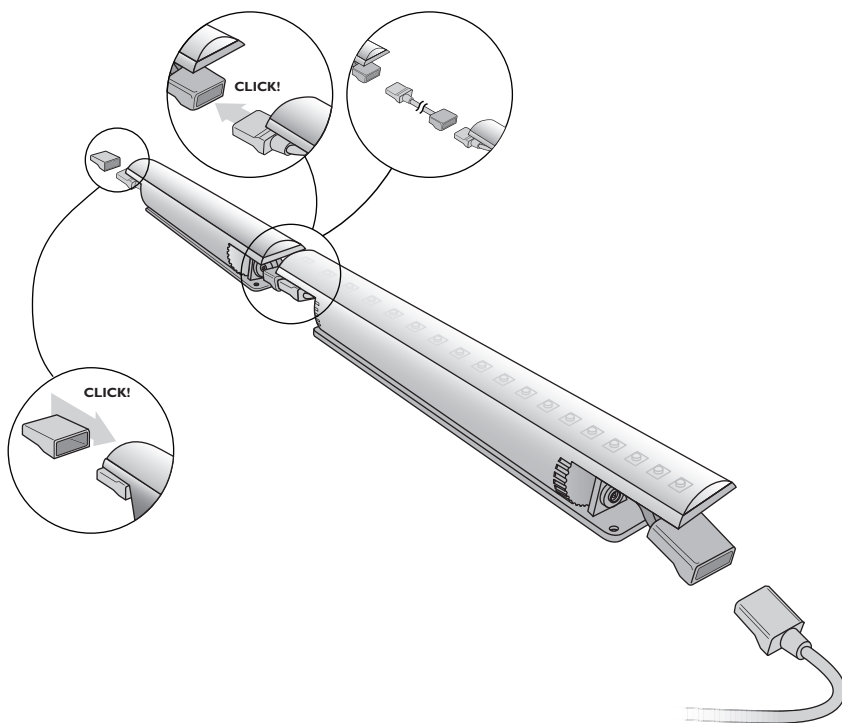
1. Rotate an eW Cove MX Powercore fixture as necessary to provide unobstructed access to the mounting holes.
2. Position the first fixture in a series.

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.

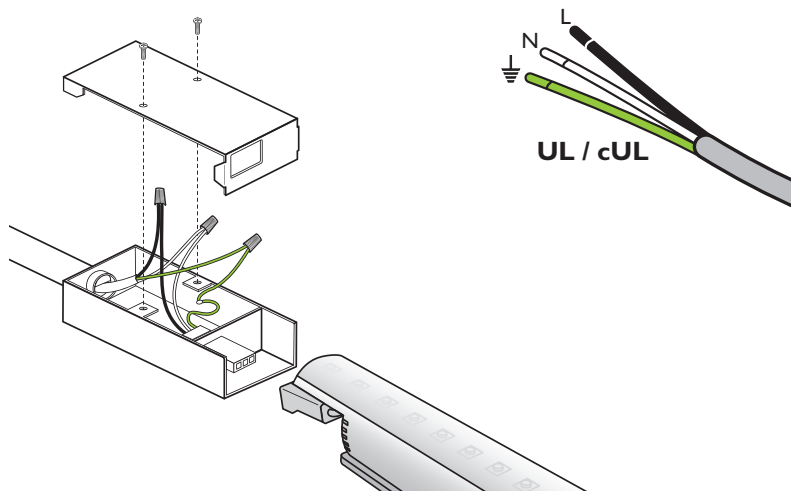


- Continue mounting the fixtures, making power connections as you go, until all lights in the series are mounted.
- Insert the provided terminator into the last fixture in the series.

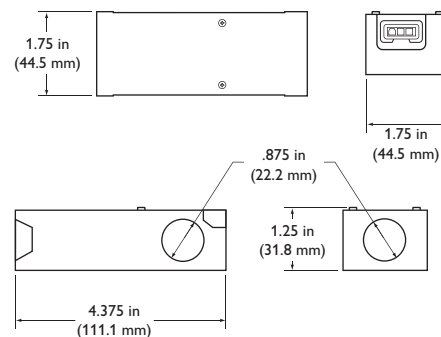
Make Power Connections

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 eW Cove Powercore Wiring Compartment to the first fixture in the series.

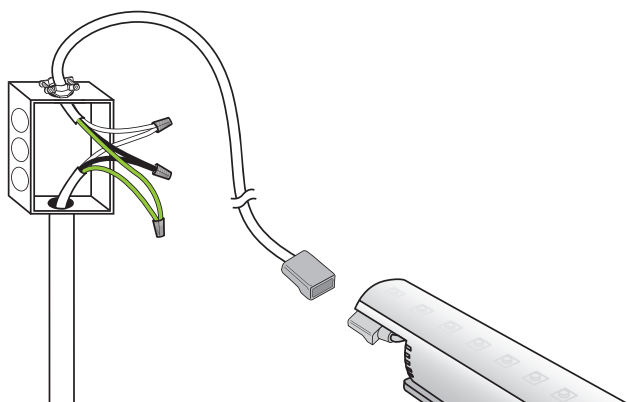


Wiring Compartment dimensions

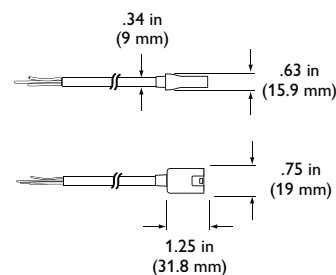


To connect the first fixture in a series to a third-party junction box using the 10 ft (3 m) Leader Cable (UL / cUL installations):

- 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.

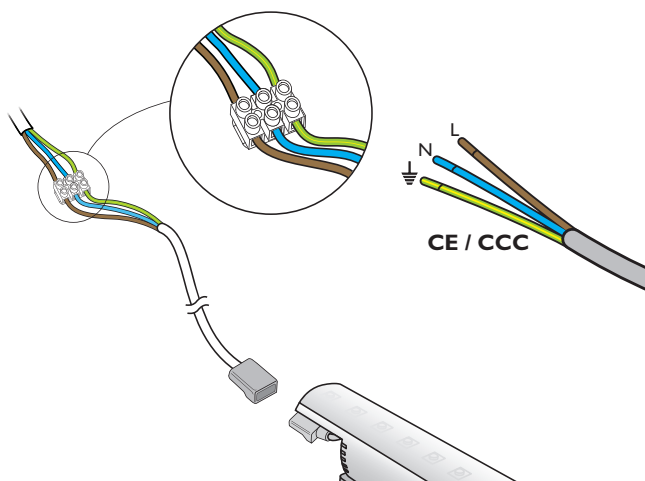


Leader Cable connector dimensions



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.



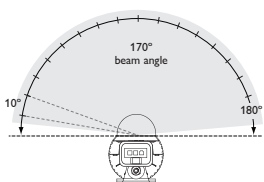
Aim and Lock the Fixtures

Make sure the power is ON before aiming fixtures.

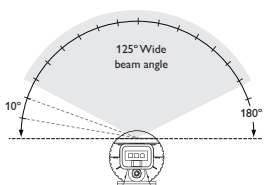
Aim the fixtures by rotating each fixture to the correct angle. There are detents every 10° in the bracket that hold the fixture in position.

(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.

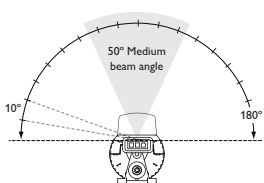
⚠ Do not look directly into the fixture when aiming and locking.



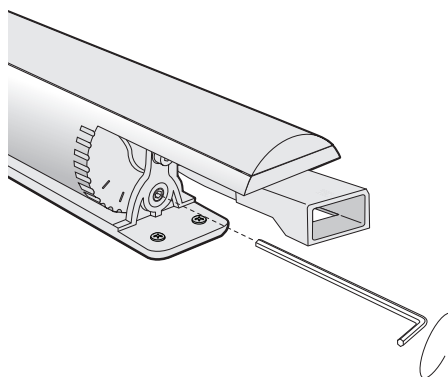
Very wide beam angle (170° x 115°)
2200 K only



Wide beam angle (125° x 120°)



Medium beam angle (50° x 70°)





Philips Color Kinetics
3 Burlington Woods Drive
Burlington, Massachusetts 01803 USA
Tel 888.385.5742
Tel 617.423.9999
Fax 617.423.9998
www.philipscolorkinetics.com

Copyright © 2013 Philips Solid-State Lighting Solutions, Inc. All rights reserved.
Chromacore, Chromasic, CK, the CK logo, Color Kinetics, the Color Kinetics logo, ColorBlast, ColorBlaze, ColorBurst, eW Fuse, ColorGraze, ColorPlay, ColorReach, iW Reach, eW Reach, DiMand, EssentialWhite, eW, iColor, iColor Cove, IntelliWhite, iW, iPlayer, Optibin, and Powercore are either registered trademarks or trademarks of Philips Solid-State Lighting Solutions, Inc. in the United States and / or other countries. All other brand or product names are trademarks or registered trademarks of their respective owners. Due to continuous improvements and innovations, specifications may change without notice.
Cover Photo by Darius Kuzmickas

DAS-000069-00 R11 10-13