



eW Cove QLX Powercore

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

PHILIPS
 COLOR KINETICS

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eW Cove QLX Powercore represents the next generation of high-quality linear LED cove lighting from Philips Color Kinetics. This elegant, low-profile fixture delivers up to 276 lumens per foot of white light at an affordable price. eW Cove QLX Powercore is designed to replace traditional cove lighting sources for wall and ceiling glow effects, wall washing, and indirect lighting from a single cove. Multiple color temperatures, beam angles, and lengths afford an abundance of design options.

- Replaces traditional cove lighting — With excellent light output, competitive pricing, long source life, energy efficiency, and virtually maintenance-free operation, eW Cove QLX Powercore replaces comparable T8 and T12 fluorescent sources with a three-year payback, and comparable halogen and xenon sources with one-year payback.
- Multiple options for design flexibility — Available in four color temperatures ranging from a warm 2700 K to a cool 4000 K. Lengths of 12 in (305 mm) and 6 in (152 mm), along with wide and medium beam angles, offer further design flexibility.
- Support for multiple voltages — Accepts power input of 100, 120, or 220 – 240 VAC for consistent installation and operation from line voltage in many locations.
- 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.
- Superior color consistency and accuracy — Optibin, an advanced binning algorithm, exceeds industry standards for color quality to guarantee uniformity and consistency of hue and color temperature across LEDs, 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 — End-to-end locking power connectors can make 180° turns, for easy positioning 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.
- Smooth dimming capability — Patented DIMand technology offers smooth dimming capability with selected reverse-phase ELV-type dimmers.

Compact and Flexible

eW Cove QLX Powercore low-profile fixtures fit in narrow alcoves, display cases, light boxes, and other tight spaces where fixtures requiring ballasts, external power supplies, and other auxiliary equipment cannot.



Setting New Standards for Color Consistency

Achieving consistency of color temperature and hue in linear white lighting applications is one of the most difficult challenges facing lighting designers and installers. Cove lighting applications are particularly challenging. Light sources are positioned very close to the illuminated surfaces — usually white walls or ceilings — so there is very little room for color mixing, and the appearance of the light is strongly angle-dependent. Viewed from a distance, even small variations in color temperature and hue are clearly visible.

Linear fluorescent light sources are fairly uniform, but cove applications that use them can suffer from socket shadowing — areas of low luminance toward the ends of the fluorescent tubes — and hot spots, creating an uneven distribution of light along the illuminated surfaces. Fluorescent fixtures at the same nominal color temperature are also known to vary greatly in hue from manufacturer to manufacturer.

Linear LED cove lights pose their own challenges to consistency and uniformity of light distribution. The beam produced by an LED cove light is a series of adjacent point sources, each with a certain degree of hue and color temperature variation. Unless these variations are tightly managed, unwanted tiger-striping can result.

With eW Cove QLX Powercore, Philips Color Kinetics uses an improved version of its patented Optibin binning algorithm. Optibin's advanced bin selection formula sets new standards for color consistency and uniformity across LEDs. Optibin allows significantly smaller variations in color temperature (CCT) and hue (Duv) than ANSI Chromaticity Standard C78.377A, ensuring virtually imperceptible differences in output from LED to LED and fixture to fixture.

	ANSI Chromaticity Standard*		eW Cove QLX Powercore†	
	CCT Range	Allowed Variation	Measured CCT	Actual Variation
2700 K	2725 K ± 145 K	5.3%	2770 K +45 K	1.7%
3000 K	3045 K ± 175 K	5.7%	3070 K +25 K	0.8%
3500 K	3465 K ± 245 K	7.1%	3308 K -157 K	4.5%
4000 K	3985 K ± 275 K	6.9%	3966 K -19 K	0.5%

* ANSI Chromaticity Standard C78.377A

† eW Cove QLX Powercore color reports

eW Cove QLX Powercore also features extremely high color spatial uniformity. There are no visible color variations across the beam from center to edge, or at different viewing angles — an especially important consideration in angle-dependent cove lighting applications.

The result? eW Cove QLX Powercore delivers extremely uniform and consistent color in linear cove applications, with no socket shadowing, hot spots, color shifting, tiger-striping, or unwanted edge effects. eW Cove QLX Powercore offers quality of light as good as if not better than comparable fluorescent fixtures — while also offering superior energy efficiency and an average useful life significantly longer than the rated life of some fluorescent sources.

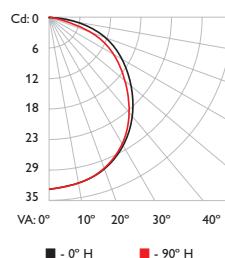
Photometrics

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

eW Cove QLX Powercore 2700 K, 6 in (152 mm), wide beam

Lumens	103
Efficacy	36.3 lm /W

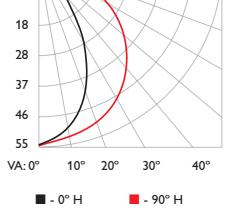
Polar Candela Distribution



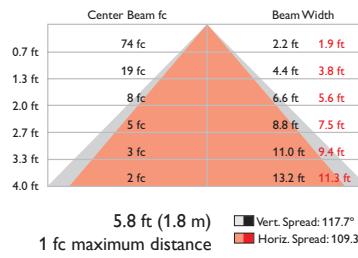
eW Cove QLX Powercore 2700 K, 6 in (152 mm), medium beam

Lumens	110
Efficacy	40.9 lm /W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FLXT
0- 30	25.7	24.9
0- 40	42.1	40.8
0- 60	74.7	72.4
0- 90	99.8	96.8
90-120	3.1	3.0
90-130	3.3	3.2
90-150	3.4	3.2
90-180	3.4	3.2
0-180	103.2	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				109109109			104104104			99	99	99	97		
1	107102	97	93		104	99	95	91	94	90	87	89	87	84	85	83	81	78		
2	97	88	81	74	94	86	79	73	82	76	71	78	73	69	74	70	67	64		
3	88	77	68	61	85	75	67	61	72	65	59	68	62	58	65	60	56	54		
4	80	68	59	52	78	66	58	51	63	56	50	61	54	49	58	53	48	46		
5	74	61	51	44	71	59	51	44	57	49	43	54	48	42	52	46	42	39		
6	68	54	45	39	66	53	45	38	51	43	38	49	42	37	47	41	37	34		
7	63	49	40	34	61	48	40	34	46	39	33	45	38	33	43	37	32	30		
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	33	29	27		
9	55	41	33	27	53	41	33	27	39	32	27	38	31	26	37	31	26	24		
10	51	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22		

Zonal Lumen

ZONE	LUMENS	%FLXT
0- 30	37.3	33.9
0- 40	56.6	51.5
0- 60	86.1	78.3
0- 90	103.7	94.3
90-120	4.8	4.4
90-130	5.6	5.1
90-150	6.2	5.6
90-180	6.3	5.7
0-180	110.0	100.0

Coefficients Of Utilization - Zonal Cavity Method

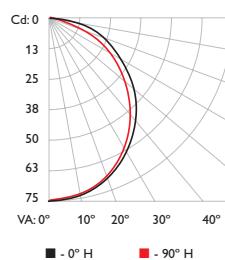
Effective Floor Cavity Reflectance: 20%																				
RC	80			70			50			30			10			0				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
0	118118118118				114114114114				108108108			102102102			97	97	97	94		
1	108103	99	96		105101	97	94		95	92	90	90	88	86	86	84	82	80		
2	99	91	85	80	96	89	83	78	85	80	76	81	77	73	77	74	71	68		
3	91	81	74	68	88	79	73	67	76	70	65	72	67	63	69	65	61	59		
4	84	73	65	59	82	71	64	58	68	62	57	65	60	55	63	58	54	52		
5	78	66	58	52	76	65	57	51	62	55	50	59	54	49	57	52	48	46		
6	72	60	52	46	70	59	51	45	57	50	45	54	48	44	52	47	43	41		
7	68	55	47	41	66	54	46	41	52	45	40	50	44	39	48	43	39	37		
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	45	39	35	33		
9	59	47	39	34	58	46	39	33	44	38	33	43	37	33	42	36	32	30		
10	56	43	36	31	54	43	35	31	41	35	30	40	34	30	39	33	30	28		

For lux multiply fc by 10.7

eW Cove QLX Powercore
2700 K, 12 in (305 mm), wide beam

Lumens	232
Efficacy	45.4 lm / W

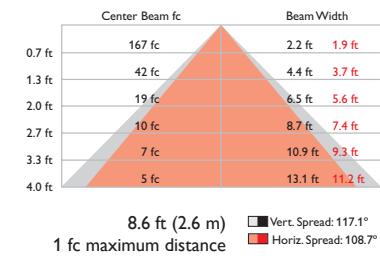
Polar Candela Distribution



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	57.6	24.9
0- 40	94.3	40.7
0- 60	167.1	72.2
0- 90	223.5	96.6
90-120	7.3	3.2
90-130	7.7	3.3
90-150	7.9	3.4
90-180	7.9	3.4
0-180	231.5	100.0

Illuminance at Distance



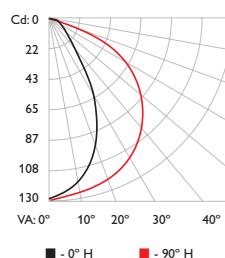
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%									
RC	80	70	50	30	10	50	30	10	0
RW	70	50	30	10	70	50	30	10	0
0	117117117117	114114114114	108108108	103103103	98 98 98	96	98 98	96	
1	1061019692	103989490	939087	898684	858381	85	83 81	78	
2	96878074	93857973	817671	777369	747067	74	70 67	64	
3	87766861	84756761	716559	686258	656056	65	60 56	54	
4	80685952	77665851	635650	605449	585348	58	53 48	46	
5	73605144	71595044	564943	544843	524642	52	46 42	40	
6	68544539	65534538	514338	494237	474137	47	41 37	35	
7	63494034	61484034	463933	453833	433732	43	37 32	30	
8	58453630	57443630	423530	413429	393429	39	34 29	27	
9	54413327	53403227	393227	383126	363126	36	31 26	24	
10	51383025	50373025	362924	352924	342824	34	28 24	22	

eW Cove QLX Powercore
2700 K, 12 in (305 mm), medium beam

Lumens	247
Efficacy	45.9 lm / W

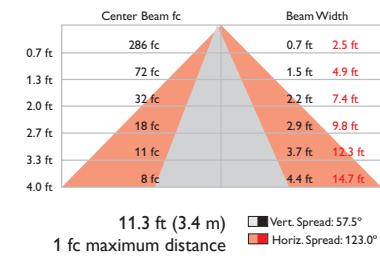
Polar Candela Distribution



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	87.6	35.5
0- 40	131.4	53.2
0- 60	197.4	79.9
0- 90	235.3	95.3
90-120	9.5	3.9
90-130	10.8	4.4
90-150	11.6	4.7
90-180	11.7	4.7
0-180	247.0	100.0

Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

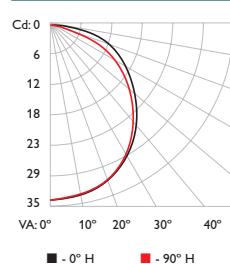
Effective Floor Cavity Reflectance: 20%									
RC	80	70	50	30	10	50	30	10	0
RW	70	50	30	10	70	50	30	10	0
0	118118118118	115115115115	108108108	103103103	98 98 98	95	98 98	95	
1	10810410096	1051019894	969390	918987	878584	81	85 84	81	
2	100928681	97908479	868177	827874	787572	70	75 72	70	
3	92827569	89807368	777166	736864	706663	60	66 63	60	
4	85746660	82726559	696358	666156	645955	53	59 55	53	
5	79675952	76655852	635651	605550	585349	47	53 49	47	
6	73615347	71605246	575146	554945	534844	42	48 44	42	
7	68564842	66554742	534641	514540	494440	38	44 40	38	
8	64514338	62504338	494237	474137	464036	34	40 36	34	
9	60474035	58473934	453934	443834	433733	31	37 33	31	
10	56443732	55433632	423631	413531	403431	29	34 31	29	

For lux multiply fc by 10.7

eW Cove QLX Powercore 3000 K, 6 in (152 mm), wide beam

Lumens	108
Efficacy	37.8 lm / W

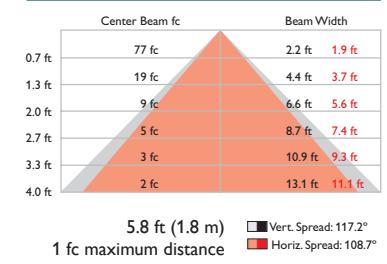
Polar Candela Distribution



Zonal Lumen

ZONE	LUMENS	%FIXT
0 - 30	26.7	24.7
0 - 40	43.8	40.5
0 - 60	77.5	71.7
0 - 90	103.9	96.1
90-120	3.7	3.4
90-130	3.9	3.6
90-150	4.1	3.8
90-180	4.2	3.9
0-180	108.1	100.0

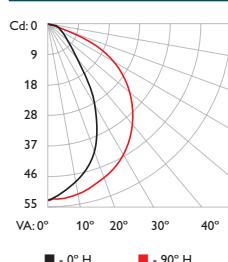
Illuminance at Distance



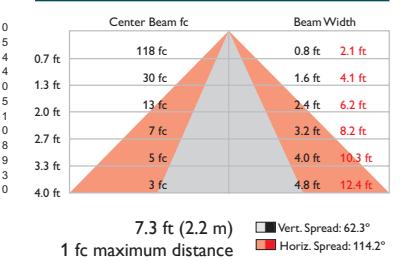
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	0	RC	80	70	50	30
RW	70	50	30	10	70	50	30	10	50	30	10
0	117117117117	114114114114	108108108	103103103	98	98	98	96			
1	1061009591	103989389	938986	898683	84	82	80	78			
2	96877973	93857872	817570	777268	73	69	66	64			
3	87766760	84746660	716458	676257	64	60	55	53			
4	79675851	77655750	625549	605348	57	52	47	45			
5	73605044	70585043	564842	544742	51	46	41	39			
6	67544438	65524438	504337	484236	47	41	36	34			
7	62484033	60483933	463833	443732	42	36	32	30			
8	58443630	56433529	423429	403429	39	33	28	26			
9	54403227	52403226	383126	373126	36	30	26	24			
10	51372924	49372924	352824	342823	33	27	23	21			

Polar Candela Distribution



Illuminance at Distance



Coefficients Of Utilization - Zonal Cavity Method

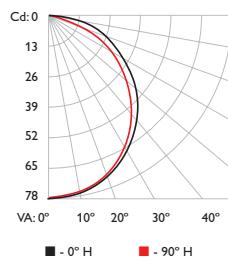
Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	0	RC	80	70	50	30
RW	70	50	30	10	70	50	30	10	50	30	10
0	118118118118	114114114114	108108108	102102102	97	97	97	94			
1	1081039995	1051009793	959289	908886	86	84	82	80			
2	99918579	96898378	847975	807673	76	73	70	68			
3	91817367	88797266	756965	726763	69	65	61	59			
4	84736458	81716357	686156	655955	62	57	53	51			
5	78665751	75645650	615549	595348	57	51	47	45			
6	72605145	70585045	564944	544843	52	46	42	40			
7	67544640	65534640	514439	494339	48	42	38	36			
8	63504236	61494136	474136	464035	44	39	35	33			
9	59463833	57453833	443732	423632	41	36	32	30			
10	55433530	54423530	413430	393429	38	33	29	27			

For lux multiply fc by 10.7

eW Cove QLX Powercore 3000 K, 12 in (305 mm), wide beam

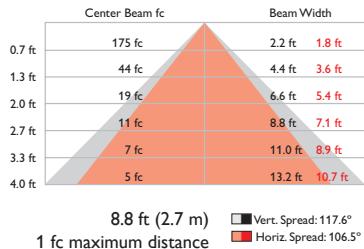
Lumens	242
Efficacy	42.5 lm / W

Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	77.9	77.9	77.9	77.9	77.9
5	77.8	77.7	77.7	77.4	77.5
15	75.0	74.8	74.7	74.5	74.5
25	69.6	69.4	69.2	68.6	68.5
35	62.1	61.7	61.2	60.4	60.1
45	52.9	52.5	51.5	50.0	49.3
55	42.8	42.4	40.7	38.2	36.7
65	32.7	31.9	29.6	26.4	24.0
75	23.2	22.2	19.4	15.1	11.3
85	15.0	14.0	10.7	5.9	2.1
90	11.5	10.5	7.3	2.8	0.3

Illuminance at Distance



8.8 ft (2.7 m) ■ Vert. Spread: 117.6°
1 fc maximum distance ■ Horiz. Spread: 106.5°

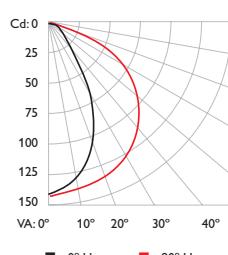
Zonal Lumen

ZONE	LUMENS	% FIXT
0- 30	60.3	24.9
0- 40	98.6	40.7
0- 60	174.2	72.0
0- 90	233.4	96.5
90-120	8.0	3.3
90-130	8.4	3.5
90-150	8.6	3.5
90-180	8.6	3.5
0-180	242.0	100.0

Coefficients Of Utilization - Zonal Cavity Method

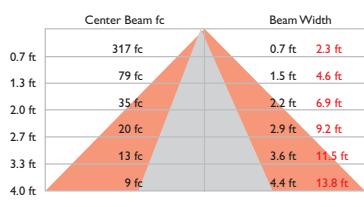
Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	70	50	30
0	118118118118	115115115115	109109109	104104104	99 99 99	99 99 99	99 99 99	99 99 99	97		
1	107101	97 92	104 99	94 90	87	89 86	84	85 83	81	78	73 69
2	97 88	80 74	94 85	79 73	71	78 73	69	74 70	67	64	61
3	88 77	68 61	85 75	67 60	59	71 65	59	68 62	57	56	55
4	80 68	59 52	78 66	58 51	51	63 56	50	60 54	49	58 52	48
5	74 60	51 44	71 59	50 44	44	57 49	43	54 48	42	52 46	42
6	68 54	45 39	66 53	45 38	38	51 43	38	49 42	37	47 41	36
7	63 49	40 34	61 48	40 34	34	46 39	33	45 38	33	43 37	32
8	59 45	36 30	57 44	36 30	30	42 35	30	41 34	29	39 33	29
9	55 41	33 27	53 40	32 27	27	39 32	27	38 31	26	36 30	26
10	51 38	30 25	50 37	30 24	24	36 29	24	35 28	24	34 28	24

Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	140.9	140.9	140.9	140.9	140.9
5	135.6	135.9	137.0	138.4	139.0
15	118.1	120.6	125.7	130.9	136.1
25	86.1	92.3	106.4	120.3	128.7
35	40.0	49.2	79.4	105.7	118.5
45	20.1	23.3	41.7	86.1	104.0
60°	55	13.3	14.5	22.2	61.1
70°	35	11.3	10.8	13.5	29.2
75	10.7	9.1	9.1	12.3	23.7
50	8.6	7.6	6.7	5.8	4.3
90	8.6	6.8	5.6	4.1	1.3

Illuminance at Distance



11.8 ft (3.6 m) ■ Vert. Spread: 57.2°
1 fc maximum distance ■ Horiz. Spread: 119.9°

Zonal Lumen

ZONE	LUMENS	% FIXT
0- 30	97.1	35.2
0- 40	146.1	53.0
0- 60	220.1	79.8
0- 90	262.4	95.1
90-120	10.8	3.9
90-130	12.2	4.4
90-150	13.3	4.8
90-180	13.5	4.9
0-180	275.8	100.0

Coefficients Of Utilization - Zonal Cavity Method

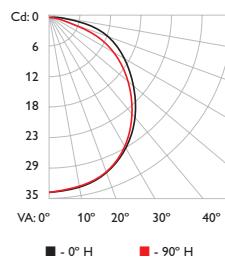
Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	70	50	30
0	118118118118	115115115115	108108108	103103103	98 98 98	98 98 98	98 98 98	98 98 98	95		
1	108104100	96	105101	98 94	96 93	90	91 89	87	87 85	83	81
2	100	92	86	81	97	90	84	79	85	81	77
3	92	82	75	69	89	80	73	68	73	68	64
4	85	74	66	60	82	72	65	59	69	63	58
5	79	67	58	52	76	65	58	52	63	56	51
6	73	61	52	47	71	60	52	46	57	51	45
7	68	56	47	42	66	55	47	41	53	46	41
8	64	51	43	38	62	50	43	38	49	42	37
9	60	47	40	34	58	47	39	34	45	38	33
10	56	44	37	32	55	43	36	31	42	36	31

For lux multiply fc by 10.7

eW Cove QLX Powercore 3500 K, 6 in (152 mm), wide beam

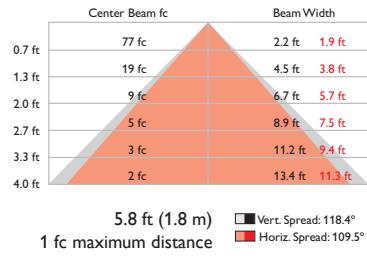
Lumens	109
Efficacy	38.2 lm / W

Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	34.1	34.1	34.1	34.1	34.1
5	34.0	34.0	34.1	33.9	34.0
15	32.9	32.9	32.9	32.9	32.8
25	30.7	30.7	30.6	30.6	30.6
35	27.5	27.4	27.2	27.1	27.0
45	23.5	23.4	23.0	22.6	22.4
55	19.0	18.8	18.2	17.3	16.9
65	14.4	14.1	13.1	12.0	11.4
75	10.0	9.7	8.6	7.0	6.1
85	6.3	6.0	4.7	2.9	1.7
90	4.8	4.4	3.2	1.5	0.7

Illuminance at Distance



5.8 ft (1.8 m) ■ Vert. Spread: 118.4°
1 fc maximum distance ■ Horiz. Spread: 109.5°

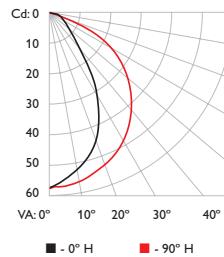
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	26.7	24.6
0- 40	43.7	40.3
0- 60	77.7	71.6
0- 90	104.3	96.1
90-120	3.7	3.4
90-130	4.0	3.7
90-150	4.2	3.9
90-180	4.2	3.9
0-180	108.5	100.0

Coefficients Of Utilization - Zonal Cavity Method

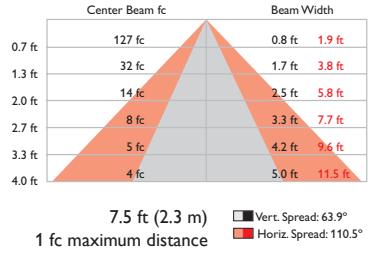
Effective Floor Cavity Reflectance: 20%																				
RC	80			70			50			30			10			0				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
0	117117117117	114114114114	108108108	103103103	98	98	98	96												
1	1051009591	102979389	938986	888583	84	82	80	77												
2	95867973	92847872	807570	777268	73	69	66	63												
3	86756760	84746659	706458	676157	64	59	55	53												
4	79675851	76655750	625549	605348	57	52	47	45												
5	73595043	70584943	564842	534742	51	45	41	39												
6	67534438	65524437	504337	484136	46	40	36	34												
7	62483933	60473933	463833	443732	42	36	32	30												
8	58443530	56433529	423429	403429	38	31	26	37	30	26	36	30	25	24						
9	54403226	52403226	383126	373026	35	28	24	34	28	23	33	27	23	21						
10	50372924	49372924	352824	342823																

Polar Candela Distribution



ZONE	LUMENS	%FIXT
0- 30	39.8	32.4
0- 40	61.1	49.8
0- 60	94.5	76.9
0- 90	115.2	93.8
90-120	5.9	4.8
90-130	6.8	5.5
90-150	7.5	6.1
90-180	7.6	6.2
0-180	122.8	100.0

Illuminance at Distance



7.5 ft (2.3 m) ■ Vert. Spread: 63.9°
1 fc maximum distance ■ Horiz. Spread: 110.5°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	39.8	32.4
0- 40	61.1	49.8
0- 60	94.5	76.9
0- 90	115.2	93.8
90-120	5.9	4.8
90-130	6.8	5.5
90-150	7.5	6.1
90-180	7.6	6.2
0-180	122.8	100.0

Coefficients Of Utilization - Zonal Cavity Method

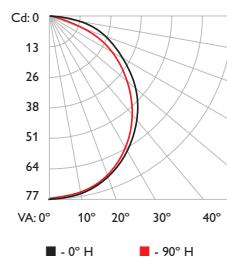
Effective Floor Cavity Reflectance: 20%																				
RC	80			70			50			30			10			0				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
0	118118118118	114114114114	108108108	102102102	96	96	96	94												
1	1081039995	1041009693	959289	908785	85	83	81	79												
2	99918479	95888378	847975	807672	76	73	70	67												
3	91817367	88797266	756964	716662	68	64	60	58												
4	84726458	81716357	676156	645954	62	57	53	51												
5	77655751	75645650	615449	585348	56	51	47	45												
6	72595145	70585044	564943	534743	51	46	42	40												
7	67544640	65534540	514439	494338	47	42	38	36												
8	62504236	61494136	474035	453935	44	38	34	32												
9	59463833	57453833	433732	423632	41	35	31	29												
10	55433530	54423530	403429	393329	38	33	29	27												

For lux multiply fc by 10.7

eW Cove QLX Powercore 3500 K, 12 in (305 mm), wide beam

Lumens	235
Efficacy	42.7 lm / W

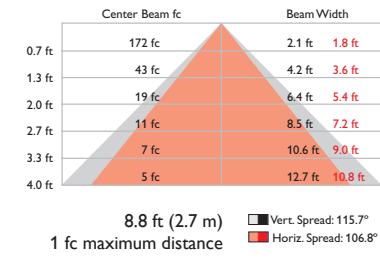
Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	76.5	76.5	76.5	76.5	76.5
5	76.5	76.2	76.3	76.0	76.1
15	73.8	73.4	73.5	73.1	73.1
25	68.4	68.1	67.9	67.4	67.1
35	60.9	60.5	59.9	59.1	59.0
45	51.5	51.2	50.2	48.8	48.1
55	41.2	40.8	39.3	37.2	36.4
65	30.9	30.2	28.3	25.6	24.1
75	21.5	20.7	18.3	14.5	12.1
85	13.6	12.8	9.9	5.5	2.8
90	10.3	9.5	6.6	2.6	0.6

■ - 0° H ■ - 90° H

Illuminance at Distance



8.8 ft (2.7 m) ■ Vert. Spread: 115.7°
1 fc maximum distance ■ Horiz. Spread: 106.8°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	59.3	25.3
0- 40	96.7	41.2
0- 60	170.3	72.6
0- 90	226.7	96.6
90-120	7.3	3.1
90-130	7.7	3.3
90-150	7.9	3.4
90-180	7.9	3.4
0-180	234.6	100.0

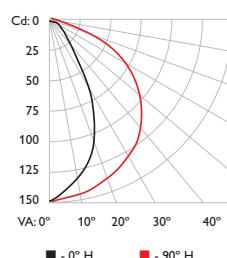
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	70	50	30
0	118118118118	115115115115	109109109	104104104	9999999	9999999	9999999	9999999	97	97	97
1	1071019792	104999491	949087	898784	858381	858381	858381	858381	79	79	79
2	97888174	94867973	827671	787369	747067	747067	747067	747067	65	65	65
3	88776862	85756761	726559	686358	656156	656156	656156	656156	54	54	54
4	80685952	78665851	635650	615449	585348	585348	585348	585348	46	46	46
5	74615145	71595144	574943	544843	524742	524742	524742	524742	40	40	40
6	68554539	66534539	514438	494337	474137	474137	474137	474137	35	35	35
7	63494034	61484034	473934	453833	433733	433733	433733	433733	31	31	31
8	59453631	57443630	433530	413430	403429	403429	403429	403429	27	27	27
9	55413327	53413327	393227	383127	373126	373126	373126	373126	24	24	24

eW Cove QLX Powercore 3500 K, 12 in (305 mm), medium beam

Lumens	272
Efficacy	53.6 lm / W

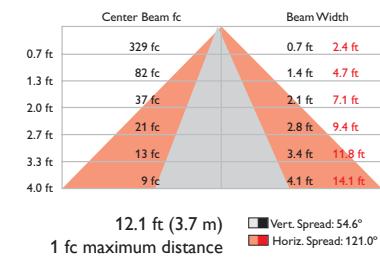
Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	146.4	146.4	146.4	146.4	146.4
5	139.4	140.0	141.6	144.0	146.0
15	119.5	122.3	128.1	133.9	141.0
25	83.7	90.0	106.3	122.5	132.5
35	33.5	42.2	76.9	107.4	122.6
45	17.4	19.8	36.2	87.8	107.6
55	12.3	13.0	19.4	61.8	86.3
65	11.0	10.3	12.2	27.1	59.8
75	11.3	9.0	8.6	11.2	23.2
85	11.0	7.7	6.5	5.5	4.1
90	9.5	6.9	5.5	4.0	1.2

■ - 0° H ■ - 90° H

Illuminance at Distance



12.1 ft (3.7 m) ■ Vert. Spread: 54.6°
1 fc maximum distance ■ Horiz. Spread: 121.0°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	98.2	36.1
0- 40	146.0	53.6
0- 60	218.2	80.1
0- 90	259.3	95.2
90-120	10.6	3.9
90-130	12.0	4.4
90-150	12.9	4.7
90-180	13.0	4.8
0-180	272.3	100.0

Coefficients Of Utilization - Zonal Cavity Method

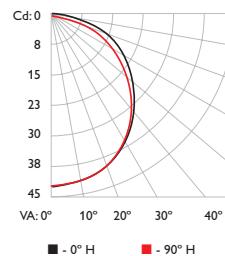
Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	70	50	30
0	118118118118	115115115115	108108108	103103103	989898	989898	989898	989898	95	95	95
1	10810410096	1051019894	969391	918987	878584	878584	878584	878584	81	81	81
2	100928681	97908479	868177	827874	787572	787572	787572	787572	70	70	70
3	92827569	89807468	777166	746965	706663	706663	706663	706663	61	61	61
4	85746660	82726559	696358	676157	645956	645956	645956	645956	53	53	53
5	79675953	76665852	635651	615550	585349	585349	585349	585349	47	47	47
6	73615347	71605247	585146	565045	544844	544844	544844	544844	42	42	42
7	68564842	67554742	534641	514541	504440	504440	504440	504440	38	38	38
8	64524438	62514338	494238	474137	464137	464137	464137	464137	35	35	35
9	60484035	59474035	463934	443834	433734	433734	433734	433734	32	32	32
10	57443732	55443732	423632	413531	403531	403531	403531	403531	29	29	29

For lux multiply fc by 10.7

eW Cove QLX Powercore 4000 K, 6 in (152 mm), wide beam

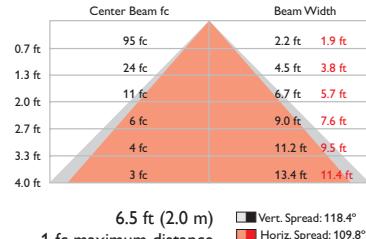
Lumens	134
Efficacy	47.0 lm / W

Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	0.0	42.3	42.3	42.3	42.3
5	42.2	42.3	42.3	42.1	42.2
10	40.8	40.8	40.8	40.7	40.8
15	38.1	38.1	38.0	37.9	37.9
20	34.1	34.0	33.8	33.5	33.4
25	29.2	29.0	28.6	28.1	27.7
30	23.7	23.4	22.6	21.5	21.1
35	17.8	17.5	16.4	14.9	14.2
40	12.3	12.0	10.7	8.6	7.5
45	7.7	7.3	5.9	3.5	2.0
50	5.8	5.4	3.9	1.8	0.8
90	0.0	0.0	0.0	0.0	0.0

Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	33.1	24.6
0- 40	54.2	40.4
0- 60	96.3	71.8
0- 90	129.3	96.3
90-120	4.4	3.3
90-130	4.7	3.5
90-150	4.9	3.7
90-180	5.0	3.7
0-180	134.3	100.0

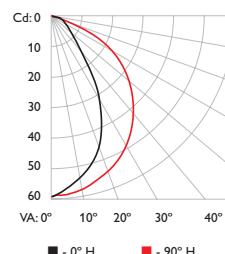
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	50	30	10
0	11911191119119	11611611611611	11011011010104	99	99	99	99	99	97		
1	1071029793	104999591	949187	90	87	84	85	83	81	78	
2	97888175	94867974	827671	78	73	69	74	70	67	64	
3	88776962	85756761	726559	68	63	58	65	61	56	54	
4	81685952	78675852	645650	61	54	49	58	53	48	46	
5	74615245	72605144	574944	55	48	43	52	47	42	40	
6	69554639	66544539	514438	49	43	37	47	41	37	35	
7	64504134	62494034	473934	45	38	33	43	37	33	31	
8	59453731	57443630	433530	41	35	30	40	34	29	27	
9	55423328	54413327	393227	38	31	27	37	31	26	24	
10	52383025	50383025	362925	35	29	24	34	28	24	22	

eW Cove QLX Powercore 4000 K, 6 in (152 mm), medium beam

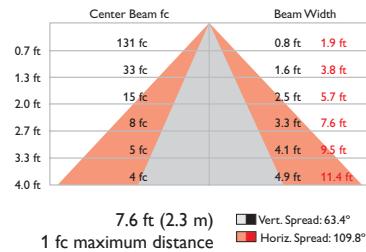
Lumens	127
Efficacy	47.2 lm / W

Polar Candela Distribution



ZONE	LUMENS	%FIXT
0- 30	40.9	32.2
0- 40	62.7	49.4
0- 60	97.1	76.4
0- 90	118.8	93.6
90-120	6.3	5.0
90-130	7.3	5.8
90-150	8.1	6.4
90-180	8.2	6.4
0-180	127.0	100.0

Illuminance at Distance



Zonal Lumen

Coefficients Of Utilization - Zonal Cavity Method

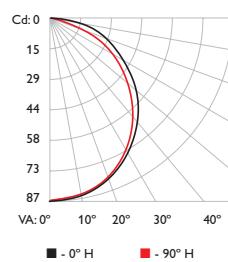
Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	50	30	10
0	117117117117	114114114114	108108108	102102102	969696	94					
1	1071039995	1041009693	949189	898785	858381	79					
2	98918479	95888277	847974	797572	767269	71					
3	90807367	87787166	756964	716662	686460	65					
4	83726458	81706357	676155	645854	615653	50					
5	77655750	75645650	615449	585248	565147	44					
6	72595145	69585044	554843	534742	514642	39					
7	67544640	65534540	514439	494338	474237	35					
8	62504136	60494136	474035	453935	433834	32					
9	58463833	57453732	433732	423631	403531	29					
10	55423530	53423530	403429	393329	383228	27					

For lux multiply fc by 10.7

eW Cove QLX Powercore 4000 K, 12 in (305 mm), wide beam

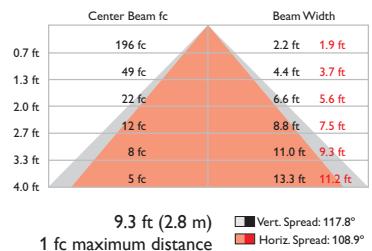
Lumens	273
Efficacy	48.7 lm / W

Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	87.2	87.2	87.2	87.2	87.2
5	87.3	86.9	87.1	86.7	86.9
15	84.4	84.0	84.1	83.7	83.9
25	78.7	78.3	78.3	77.8	77.6
35	70.5	70.2	69.6	68.8	68.8
45	60.2	59.9	58.7	57.2	56.7
55	48.4	48.0	46.3	43.8	42.9
65	36.3	35.6	33.3	30.1	28.6
75	25.1	24.2	21.4	17.1	14.8
85	15.8	14.8	11.5	6.5	3.2
90	11.9	11.0	7.7	3.0	0.6

Illuminance at Distance



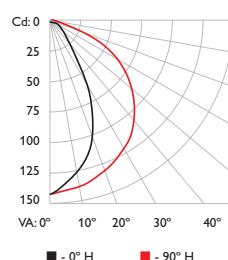
Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	68.0	24.9
0- 40	111.6	40.9
0- 60	197.9	72.5
0- 90	264.0	96.8
90-120	8.2	3.0
90-130	8.6	3.2
90-150	8.8	3.2
90-180	8.9	3.2
0-180	272.9	100.0

Coefficients Of Utilization - Zonal Cavity Method

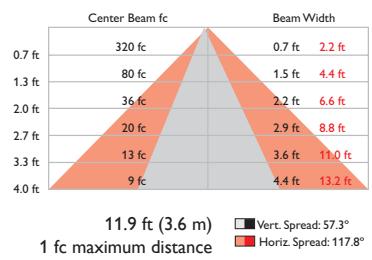
Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	50	30	10
0	118118118118	115115115115	110110110	104104104	99 99 99	97					
1	107102 97 93	104 99 95 91	94 91 87	90 87 84	86 83 81	79					
2	97 88 81 75	94 86 79 73	82 76 71	78 73 69	74 71 67	65					
3	88 77 68 62	85 75 67 61	72 65 59	68 63 58	66 61 57	54					
4	80 68 59 52	78 66 58 51	64 56 50	61 54 49	58 53 48	46					
5	74 61 51 45	72 59 51 44	57 49 43	55 48 43	52 47 42	40					
6	68 55 45 39	66 53 45 38	51 44 38	49 43 37	47 41 37	35					
7	63 49 40 34	61 48 40 34	47 39 33	45 38 33	43 37 33	31					
8	59 45 36 30	57 44 36 30	43 35 30	41 34 30	40 34 29	27					
9	55 41 33 27	53 41 33 27	39 32 27	38 31 27	37 31 26	24					
10	51 38 30 25	50 37 30 25	36 29 24	35 29 24	34 28 24	22					

Polar Candela Distribution



Cd: 0	0.0	22.5	45.0	67.5	90.0
0	142.3	142.3	142.3	142.3	142.3
5	134.3	135.1	137.1	139.6	141.5
15	117.0	119.3	124.1	129.7	135.7
25	85.4	90.6	103.3	117.6	126.8
35	38.5	48.3	78.2	101.9	115.6
45	19.1	22.0	40.3	83.4	99.7
55	12.8	13.8	21.1	60.9	79.7
65	10.9	10.5	13.0	28.7	55.4
75	10.2	8.9	9.0	12.0	23.4
85	9.7	7.5	6.6	5.8	4.5
90	8.5	6.7	5.6	4.2	1.5

Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	95.8	35.5
0- 40	143.6	53.3
0- 60	215.2	79.8
0- 90	256.6	95.2
90-120	10.6	3.9
90-130	11.9	4.4
90-150	12.9	4.8
90-180	12.9	4.8
0-180	269.6	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%											
RC	80	70	50	30	10	50	30	10	50	30	10
RW	70	50	30	10	70	50	30	10	50	30	10
0	118118118118	115115115115	108108108	103103103	98 98 98	95					
1	108104100 96	105101 98 94	96 93 90	91 89 87	87 85 83	81					
2	100 92 86 81	97 90 84 79	86 81 77	82 78 74	78 75 72	70					
3	92 82 75 69	89 80 73 68	77 71 66	73 68 64	70 66 63	60					
4	85 74 66 60	82 72 65 59	69 63 58	66 61 56	64 59 55	53					
5	79 67 59 52	76 65 58 52	63 56 51	60 55 50	58 53 49	47					
6	73 61 53 47	71 60 52 46	57 51 46	55 49 45	53 48 44	42					
7	68 56 48 42	66 55 47 42	53 46 41	51 45 40	49 44 40	38					
8	64 51 43 38	62 50 43 38	49 42 37	47 41 37	46 40 36	34					
9	60 47 40 35	58 47 39 34	45 39 34	44 38 34	43 37 33	31					
10	56 44 37 32	55 43 36 32	42 36 31	41 35 31	40 34 31	29					

For lux multiply fc by 10.7

Specifications

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

Item	Length	Beam Angle	2700 K*	3000 K*	3500 K*	4000 K*
Lumens†	6 in (152 mm)	110° x 110°	103	108	109	134
		60° x 115°	110	111	123	127
	12 in (305 mm)	110° x 110°	232	242	235	272
		60° x 115°	247	276	272	270
Efficacy (lm / W)	6 in (152 mm)	110° x 110°	36.3	37.8	38.2	47.0
		60° x 115°	40.9	41.1	44.5	47.2
	12 in (305 mm)	110° x 110°	45.4	42.5	42.7	48.7
		60° x 115°	45.9	49.3	53.6	47.4
CRI	6 in (152 mm)	110° x 110°	82	82	85	83
		60° x 115°	80	82	83	86
	12 in (305 mm)	110° x 110°	82	83	85	83
		60° x 115°	79	82	85	86
Power Factor (@ 120VAC)	6 in (152 mm)	110° x 110°	.994	.998	.998	.998
		60° x 115°	.992	.991	.986	.992
	12 in (305 mm)	110° x 110°	.991	.992	.991	.992
		60° x 115°	.992	.999	.989	.992

Item	Specification	6 in (152 mm)	12 in (305 mm)
Output	Beam Angle	Wide (110° x 110°) / Medium (60° x 115°)	
	Lumen Maintenance‡	70,000 hours L ₇₀ @ 25° C 90,000 hours L ₅₀ @ 25° C	50,000 hours L ₇₀ @ 50° C 70,000 hours L ₅₀ @ 50° C
Electrical	Input Voltage	100 VAC / 120 VAC / 220 - 240 VAC, 50 / 60 Hz	
	Power Consumption	4.0 W maximum at full output, steady state	6.0 W maximum at full output, steady state
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§	
Physical	Wide Beam Dimensions (Height x Width x Depth)	1.25 x 6 x 1.4 in (32 x 152 x 35 mm)	1.25 x 12 x 1.4 in (32 x 305 x 35 mm)
	Medium Beam Dimensions (Height x Width x Depth)	1.25 x 6 x 1.6 in (32 x 152 x 41 mm)	1.25 x 12 x 1.6 in (32 x 305 x 41 mm)
	Weight	0.19 lbs (85 g)	0.31 lbs (142 g)
	Housing	Injection-molded plastic, white finish	
	Lens	Polycarbonate	
	Fixture Connections	Integral male / female connectors	
	Temperature Ranges	-4° – 122° F (-20° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage	
	Humidity	0 – 95%, non-condensing	
	Maximum Fixture Run Length	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, SAA, C-Tick, CCC	
	Environment	Dry Location, IP20	
	Energy Efficiency	California Title 24 Compliant (wide beam angle only)	

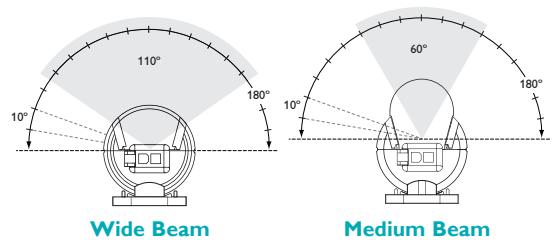
* Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

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

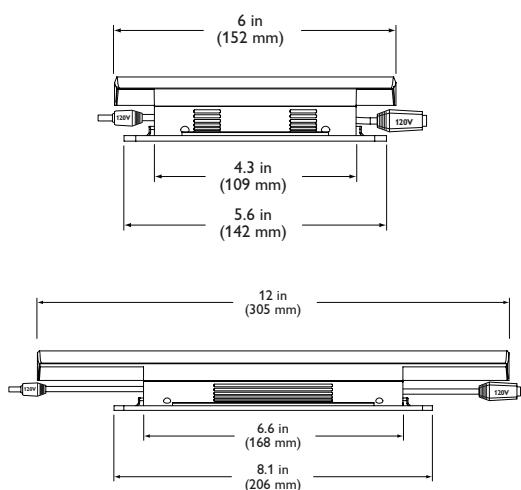
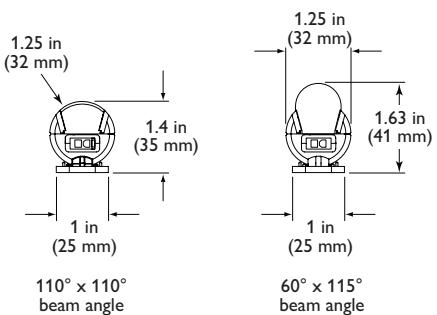
‡ L₇₀ = 70% lumen maintenance (when light output drops below 70% of initial output).

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.



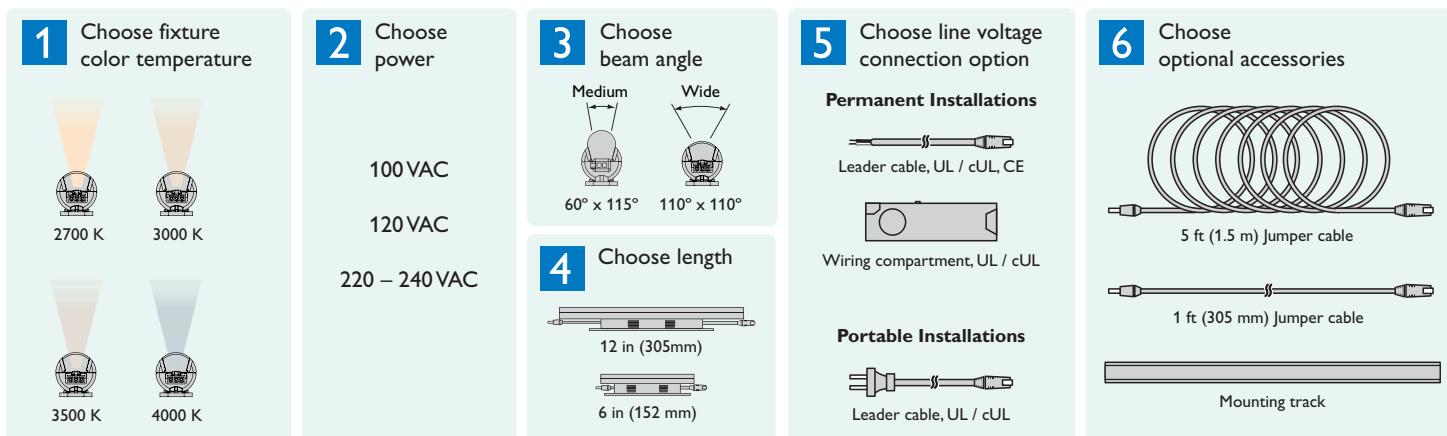
Wide Beam Medium Beam



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Product Selection

To order eW Cove QLX Powercore, select a color temperature, an input voltage, a beam angle, and a length. Then select a line voltage connection option and any additional accessories you might need.

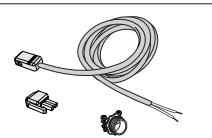
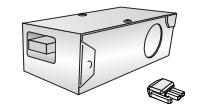
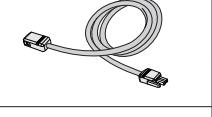


eW Cove QLX Powercore Fixtures

		Wide Beam Angle (110° x 110°)				Medium Beam Angle (60° x 115°)			
		12 in (305 mm)		6 in (152 mm)		12 in (305 mm)		6 in (152 mm)	
		Item Number	Philips 12NC	Item Number	Philips 12NC	Item Number	Philips 12NC	Item Number	Philips 12NC
100 VAC	2700 K	523-000004-15	910503700628	523-000005-07	910503700636	523-000004-34	910503701146	523-000005-18	910503701162
	3000 K	523-000004-23	910503700999	523-000005-11	910503701008	523-000004-35	910503701147	523-000005-19	910503701163
	3500 K	523-000004-25	910503701002	523-000005-13	910503701010	523-000004-36	910503701148	523-000005-20	910503701164
	4000 K	523-000004-17	910503700630	523-000005-09	910503700638	523-000004-37	910503701149	523-000005-21	910503701165
120 VAC	2700 K	523-000004-14	910503700627	523-000005-06	910503700635	523-000004-30	910503701142	523-000005-14	910503701158
	3000 K	523-000004-22	910503700998	523-000005-10	910503701007	523-000004-31	910503701143	523-000005-15	910503701159
	3500 K	523-000004-24	910503701001	523-000005-12	910503701009	523-000004-32	910503701144	523-000005-16	910503701160
	4000 K	523-000004-16	910503700629	523-000005-08	910503700637	523-000004-33	910503701145	523-000005-17	910503701161
220 – 240 VAC Fixture only	2700 K	523-000004-18	910503700631	523-000005-22	910503704188	523-000004-38	910503701150	523-000005-26	910503704239
	3000 K	523-000004-26	910503701003	523-000005-23	910503704189	523-000004-39	910503701151	523-000005-27	910503704240
	3500 K	523-000004-27	910503701004	523-000005-24	910503704222	523-000004-40	910503701152	523-000005-28	910503704241
	4000 K	523-000004-19	910503700632	523-000005-25	910503704238	523-000004-41	910503701153	523-000005-29	910503704242
220 – 240 VAC Fixture and 10 ft (3 m) CE Leader Cable with terminator and strain relief	2700 K	523-000004-20	910503700633			523-000004-42	910503701154		
	3000 K	523-000004-28	910503701005			523-000004-43	910503701155		
	3500 K	523-000004-29	910503701006			523-000004-44	910503701156		
	4000 K	523-000004-21	910503700634			523-000004-45	910503701157		

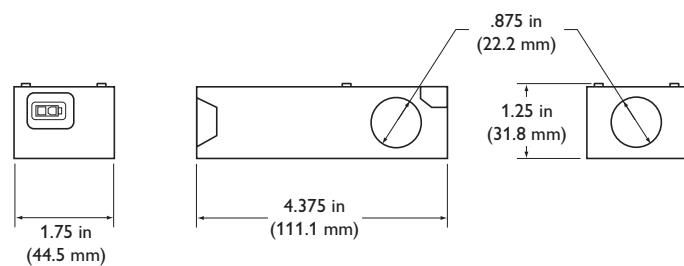
Use Item Number when ordering in North America.

Accessories

Item	Type	Size	Item Number	Philips 12NC	
Leader Cable with terminator and strain relief	UL / cUL	10 ft (3 m)	108-000032-05	910503700893	
	CE	10 ft (3 m)	108-000032-06	910503700894	For connection to standard junction box
Wiring Compartment with terminator	UL / cUL		120-000076-00	910503700597	
Leader Cable with plug (black cable only)	UL / cUL	8 ft (2.4 m)	108-000032-03	910503700394	
Jumper Cable	UL / cUL	1 ft (305 mm)	108-000033-06	910503700895	
		5 ft (1.5 m)	108-000033-07	910503700896	
	CE	1 ft (305 mm)	108-000033-08	910503700897	
		5 ft (1.5 m)	108-000033-09	910503700898	
Mounting Track, White Qty 1		4 ft (1219 mm)	120-000125-00	910503701788	

Use Item Number when ordering in North America.

UL / cUL Wiring Compartment



Installation

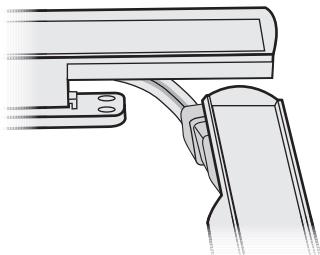
Included in the box

- eW Cove QLX Powercore fixture
- Installation Instructions

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

Easy turns

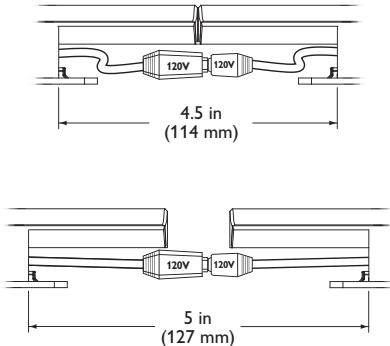
End-to-end locking power connectors can make turns of up to 180° without jumper cables.



These diagrams provide general guidelines for positioning eW Cove QLX 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.

Distance between fixtures



eW Cove QLX Powercore offers high-output, energy-efficient indoor white alcove lighting with Powercore technology. Powercore, which delivers line voltage directly to the fixture, eases installation by eliminating the need for external power supplies or special wiring.

Owner / User Responsibilities

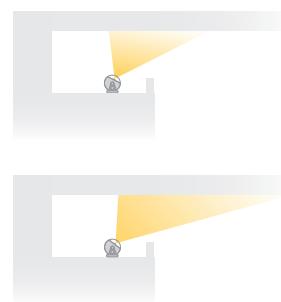
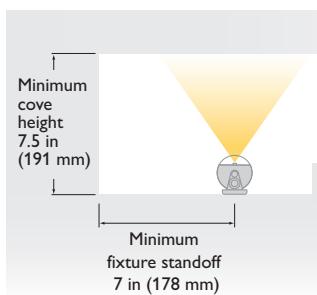
It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate eW Cove QLX Powercore fixtures in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector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

Create a Layout Plan

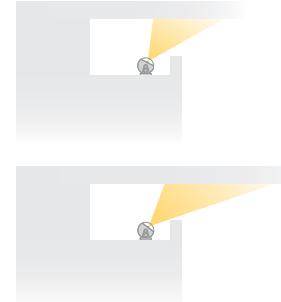
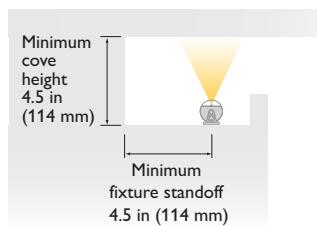
Regardless of the size and complexity of your installation, the time you spend up front can help minimize installation and configuration issues later. Keep these suggestions in mind as you plan your installation:

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

eW Cove QLX Powercore
110° x 110° Beam angle, 180° rotation



eW Cove QLX Powercore
60° x 115° Beam angle, 180° rotation



3. eW Cove QLX Powercore fixtures are installed in series. The in-line connectors allow end-to-end fixture connections for the best visual effects. Joined directly together, the connectors allow for up to 1 in (25 mm) spacing without a jumper cable. When you need more spacing between fixtures, use the 1 ft (305 mm) or 5 ft (1.5 m) jumper cables.
4. You can install a run of eW Cove QLX 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 all the way to the first fixture in a series, or where local codes require it. You can also create a portable installation by using the 8 ft (2.4 m) Leader Cable with plug.
5. To calculate the number of fixtures your specific installation can support, download the Configuration Calculator from http://www.philipscolorkinetics.com/support/install_tool/, or consult Philips Color Kinetics Application Engineering Services at support@colorkinetics.com.

Install Wall and Dimmer Switches (Optional)

eW Cove QLX Powercore fixtures can be controlled either 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.

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

Prepare for the Installation

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

Install the Fixtures

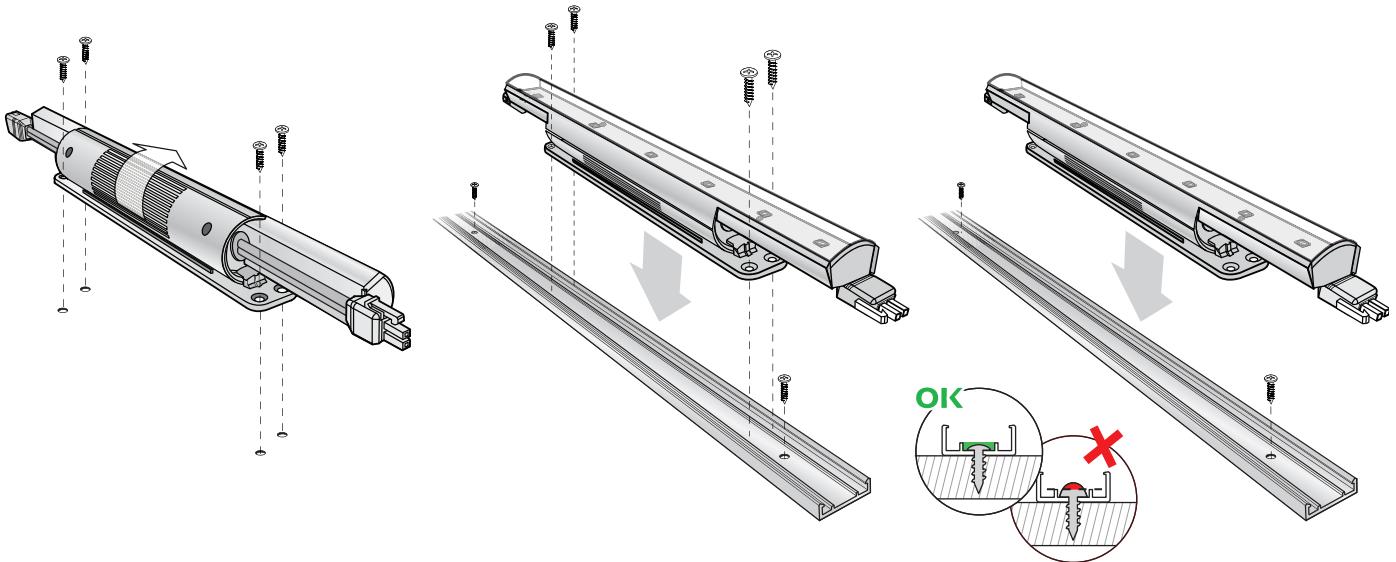
You can mount eW Cove QLX Powercore fixtures directly to a wall, ceiling, cabinet, or other secure surface. You can install several eW Cove QLX Powercore fixtures in optional 4 ft (1.2 m) lengths of mounting track to ensure a straight run.

Install Mounting Tracks (Optional)

1. Field-cut the mounting tracks to the desired length with a hacksaw or tin snips.

2. Install the mounting tracks using hardware suitable for the mounting surface.

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



Mount and Connect the Fixtures

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

1. Rotate an eW Cove QLX Powercore fixture as necessary to provide unobstructed access to the mounting holes.

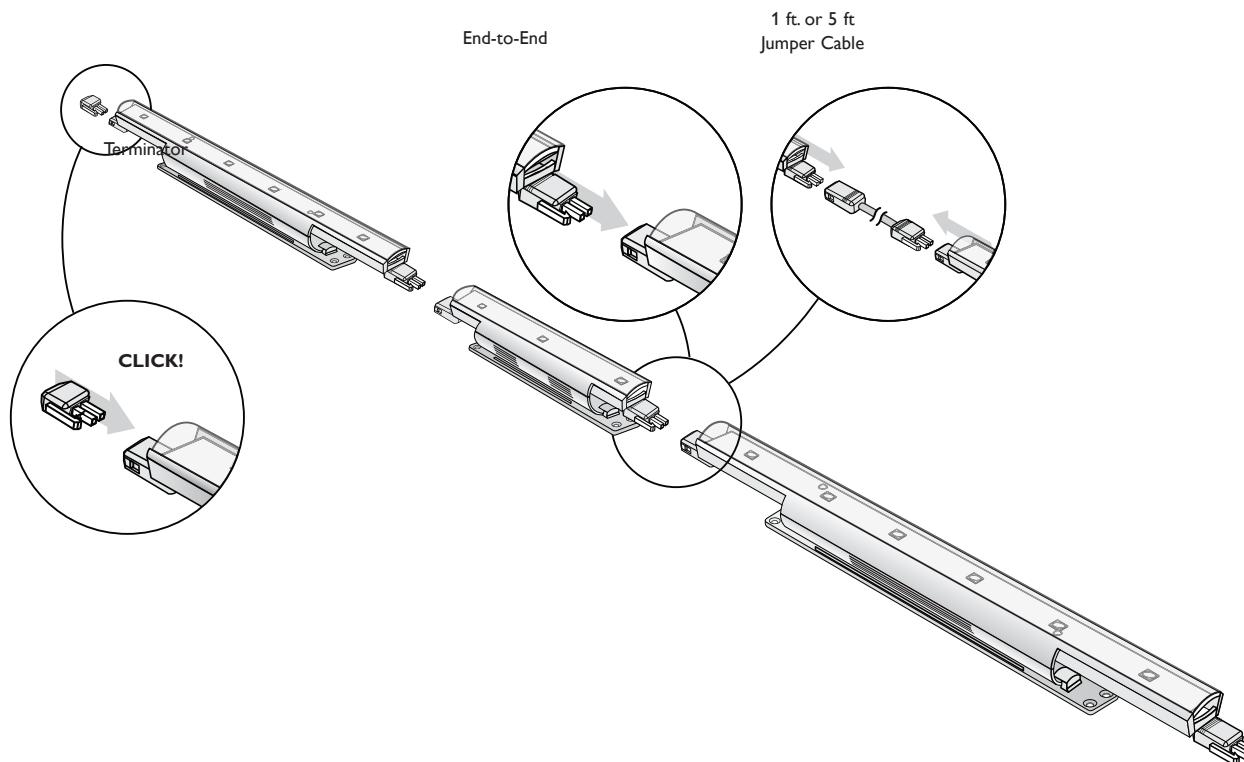
2. Position the first fixture in a series.

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

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

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

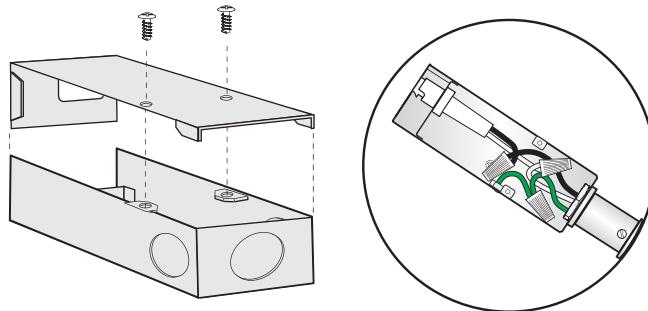
3. Position the next fixture in the series, matching the male connector end to the female connector of the previously mounted fixture. Attach the fixture to the surface or snap it into the track.



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

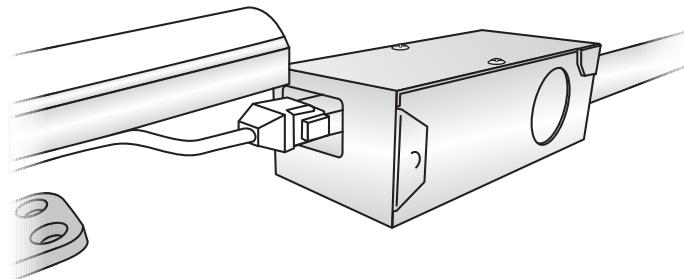
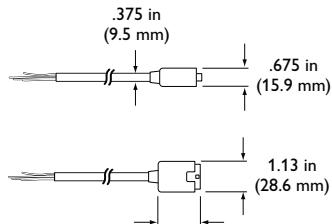
To run power or conduit to the first fixture in a series (permanent, UL / cUL installations):

- Remove the cover from the eW Cove Powercore Wiring Compartment.
- Using wire nuts, connect ground, neutral, and line inside the Wiring Compartment housing, then replace the cover.



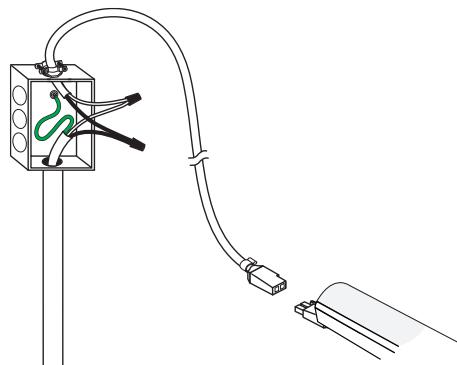
- Connect the eW Cove Powercore Wiring Compartment to the first fixture in the series.

Leader Cable connector dimensions



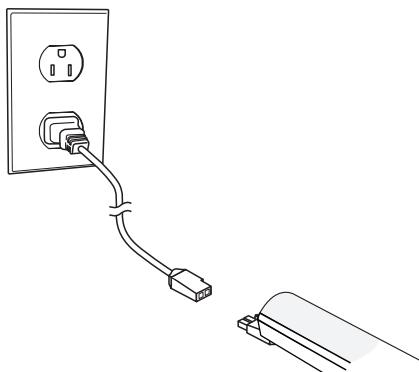
To connect the first fixture in a series to a third-party junction box using the 10 ft (3 m) Leader Cable (permanent installation):

- 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 m) Leader Cable to the first fixture in the series.



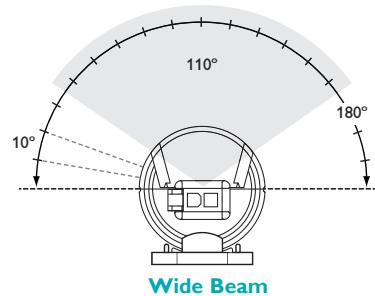
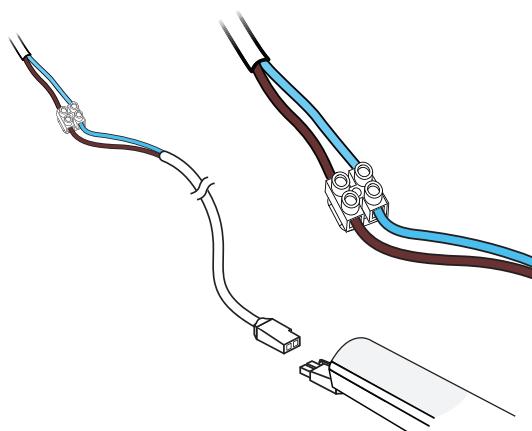
For portable installations (UL / cUL):

- Plug the 8 ft (2.4 m) Leader Cable into a suitable switched outlet.
- Connect the Leader Cable to the first fixture in the series.



For CE installations:

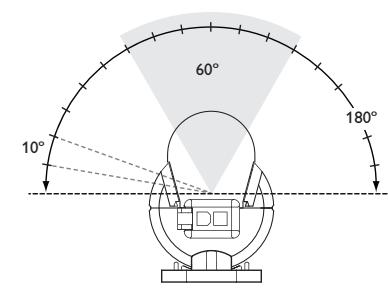
- Connect the Leader Cable to a terminal block. The terminal block must conform to EN 60998-2-1 or EN 60998-2-2, rated 220–240 VAC.
- Connect ground, neutral, and line to a power source.
- Connect the Leader Cable to the first fixture in the series.



Aim the Fixtures

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

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



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