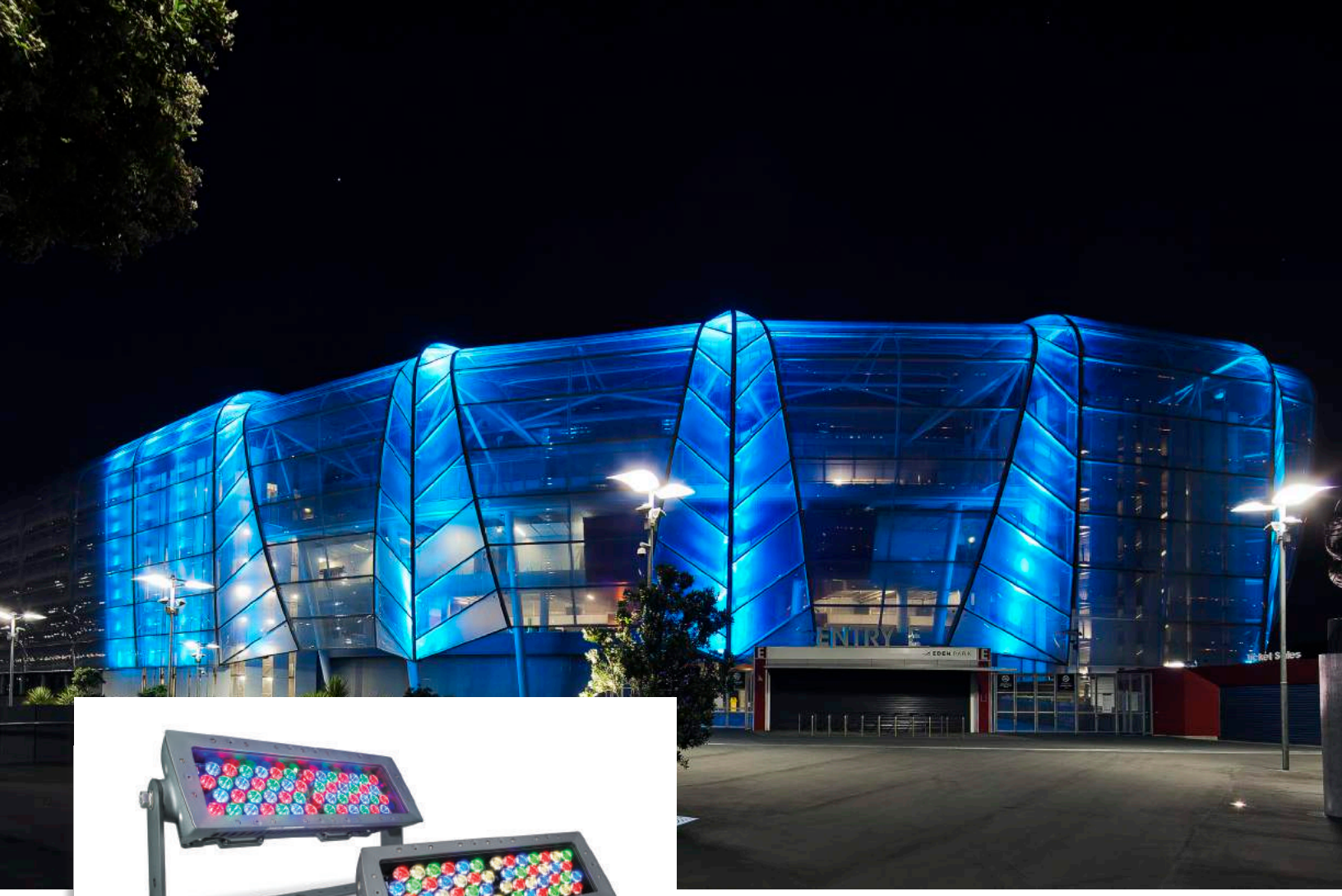


ColorReach Compact Powercore

Premium long-throw exterior LED floodlight with intelligent color light

PHILIPS

COLOR KINETICS

ColorReach Compact Powercore

Premium long-throw exterior LED floodlight with intelligent color light

ColorReach Compact Powercore high-performance LED fixtures are premium exterior long-throw dynamic color changing luminaires for lighting tall buildings, bridges, and iconic structures. ColorReach Compact Powercore offers a range of accessories that allow for customizable beam angles for floodlighting, spotlighting, wall washing, and grazing, along with the efficiency and cost-effectiveness of Powercore technology in a rugged die-cast aluminum housing.

- Improved color mixing—Updated Color Reach Powercore gen2 provides more punch and light quality for exterior long throw applications. End users will appreciate the clean mixed beam with higher application efficiency, allowing placement of light exactly where desired.
- Unparalleled light output—ColorReach Compact Powercore offers unprecedented LED-based illumination of large-scale structures and objects.
- Expanded customization with a wide range of new Philips accessory options. To complement the native 5° lens, six different diffuser lenses can customize the fixture to produce 8°, 13°, 23.°, 43°, 63°, and 5° x 17° (asymmetric) beam angles. In addition, the option to add or combine a louver, full glare shield, or half glare shield creates new aesthetic possibilities for designers and architects.
- Superior color consistency and accuracy—Optibin, an advanced binning algorithm, sets a new standard for the color consistency and uniformity of LED sources used in manufacturing.
- Integrates patented Powercore technology that controls power output to fixtures directly from line voltage—rapidly, efficiently, and accurately. The Philips Color Kinetics Data Enabler Pro merges line voltage with control data and delivers them to fixtures over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Simple fixture positioning—Rugged, slim-profile mounting bracket allows simple positioning and fixture rotation through a full 360°. Side locking bolts reliably secure fixture with a standard wrench.
- Universal power input range of 100 – 277 VAC.
- Works seamlessly with the complete Philips Color Kinetics line of controllers, including ColorDial Pro, iPlayer 3, and Light System Manager—as well as third-party controllers.

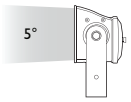
Unparalleled light output
ColorReach Compact Powercore offers LED based color changing light illumination of large scale structures and objects. New accessories, including a new louver and two glare shields, provide extra flexibility to help with dark sky compliance and trespass light.

Photometrics

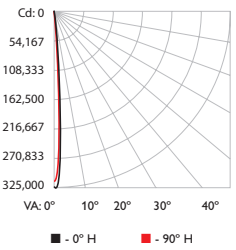
Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.philipscolorkinetics.com/support/ies.

ColorReach Compact Powercore RGB 5° native lens

Lumens	Efficacy
4,658	36.4

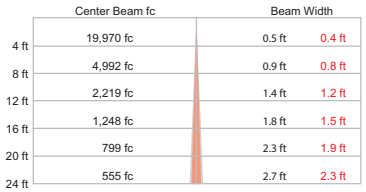


Polar Candela Distribution



	0	25	45	70	90
0	319512	319512	319512	319512	319512
5	72968	65893	63154	61095	59964
15	0	0	0	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



565 ft (172.2 m)
1 fc maximum distance

■ Vert. Spread: 6.5°
■ Horiz. Spread: 5.5°

Zonal Lumen

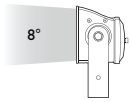
Zone	Lumens	% Luminaire
0-30	4,871.5	100.0%
0-40	4,871.5	100.0%
0-60	4,871.5	100.0%
0-90	4,871.5	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,871.5	100.0%

Coefficients Of Utilization - Zonal Cavity Method

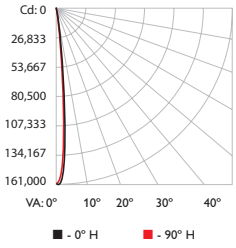
	Effective Floor Cavity Reflectance: 20%															
RCC %:	80				70				50			30			10	0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50 30 20	0
RCR:																
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02 1.02 1.02	1.00
1	1.17	1.15	1.14	1.13	1.14	1.13	1.12	1.00	1.09	1.08	1.08	1.06	1.05	1.05	1.02 1.02 1.02	1.00
2	1.15	1.12	1.11	1.09	1.13	1.11	1.09	1.00	1.08	1.07	1.05	1.05	1.04	1.03	1.03 1.02 1.01	1.00
3	1.13	1.10	1.08	1.06	1.12	1.09	1.07	1.00	1.07	1.05	1.04	1.05	1.03	1.02	1.03 1.02 1.01	1.00
4	1.12	1.09	1.06	1.05	1.11	1.08	1.06	1.00	1.06	1.04	1.03	1.04	1.03	1.02	1.03 1.02 1.01	1.00
5	1.11	1.07	1.05	1.04	1.10	1.07	1.05	1.00	1.05	1.04	1.02	1.04	1.03	1.02	1.03 1.02 1.01	1.00
6	1.10	1.07	1.04	1.03	1.09	1.06	1.04	1.00	1.05	1.03	1.02	1.04	1.02	1.01	1.03 1.02 1.01	1.00
7	1.09	1.06	1.04	1.02	1.08	1.05	1.03	1.00	1.04	1.03	1.01	1.04	1.02	1.01	1.03 1.02 1.01	1.00
8	1.08	1.05	1.03	1.02	1.08	1.05	1.03	1.00	1.04	1.02	1.01	1.03	1.02	1.01	1.03 1.01 1.01	1.00
9	1.08	1.05	1.03	1.01	1.07	1.04	1.02	1.00	1.04	1.02	1.01	1.03	1.02	1.01	1.03 1.01 1.00	1.00
10	1.07	1.04	1.02	1.01	1.07	1.04	1.02	1.00	1.03	1.02	1.01	1.03	1.02	1.01	1.03 1.01 1.00	1.00

ColorReach Compact Powercore RGB 8° diffuser lens

Lumens	Efficacy
4,374	32.7

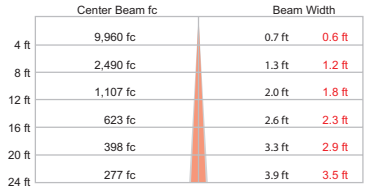


Polar Candela Distribution



	0	25	45	70	90
0	159366	159366	159366	159366	159366
5	70429	67452	66051	63609	62110
15	0	0	0	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



400 ft (121.9 m)
1 fc maximum distance

■ Vert. Spread: 9.4°
■ Horiz. Spread: 8.3°

Zonal Lumen

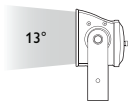
Zone	Lumens	% Luminaire
0-30	4,374.3	100.0%
0-40	4,374.3	100.0%
0-60	4,374.3	100.0%
0-90	4,374.3	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,374.3	100.0%

Coefficients Of Utilization - Zonal Cavity Method

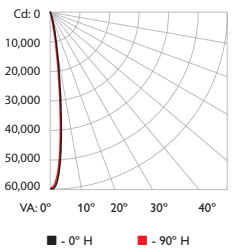
	Effective Floor Cavity Reflectance: 20%															
RCC %:	80				70				50			30			10	0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50 30 20	0
RCR:																
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02 1.02 1.02	1.00
1	1.17	1.15	1.14	1.13	1.14	1.13	1.12	1.00	1.09	1.08	1.08	1.06	1.05	1.04	1.02 1.02 1.01	1.00
2	1.15	1.12	1.10	1.09	1.13	1.11	1.09	1.00	1.08	1.06	1.05	1.05	1.04	1.03	1.02 1.02 1.01	1.00
3	1.13	1.10	1.08	1.06	1.11	1.09	1.07	1.00	1.07	1.05	1.04	1.04	1.03	1.02	1.02 1.02 1.01	1.00
4	1.12	1.08	1.06	1.04	1.10	1.07	1.05	1.00	1.06	1.04	1.03	1.04	1.03	1.02	1.02 1.01 1.00	1.00
5	1.10	1.07	1.05	1.03	1.09	1.06	1.04	1.00	1.05	1.03	1.02	1.04	1.02	1.01	1.02 1.01 1.00	1.00
6	1.09	1.06	1.04	1.02	1.09	1.05	1.03	1.00	1.04	1.03	1.01	1.03	1.02	1.01	1.02 1.01 1.00	0.99
7	1.09	1.05	1.03	1.02	1.08	1.05	1.03	1.00	1.04	1.02	1.01	1.03	1.02	1.00	1.02 1.01 1.00	0.99
8	1.08	1.05	1.02	1.01	1.07	1.04	1.02	1.00	1.03	1.02	1.00	1.03	1.01	1.00	1.02 1.01 1.00	0.99
9	1.07	1.04	1.02	1.01	1.07	1.04	1.02	1.00	1.03	1.01	1.00	1.02	1.01	1.00	1.02 1.01 1.00	0.99
10	1.07	1.03	1.02	1.00	1.06	1.03	1.01	1.00	1.03	1.01	1.00	1.02	1.01	1.00	1.02 1.01 1.00	0.99

ColorReach Compact Powercore RGB 13° diffuser lens

Lumens	Efficacy
3,840	28.7



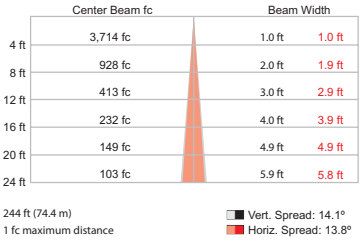
Polar Candela Distribution



	0	25	45	70	90
0	59421	59421	59421	59421	59421
5	43700	42822	42450	42696	42926
15	1697	1596	1709	1877	1963
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

90° 80° 70° 60° 50°

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,839.7	100.0%
0-40	3,839.7	100.0%
0-60	3,839.7	100.0%
0-90	3,839.7	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	3,839.7	100.0%

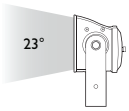
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

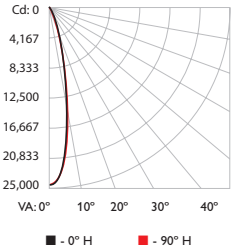
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.15	1.13	1.12	1.14	1.13	1.11	0.99	1.09	1.08	1.07	1.05	1.04	1.04	1.02	1.01	1.01	0.99
2	1.14	1.11	1.09	1.07	1.12	1.10	1.08	0.99	1.07	1.05	1.04	1.04	1.03	1.02	1.01	1.00	1.00	0.98
3	1.12	1.09	1.06	1.04	1.10	1.07	1.05	0.98	1.05	1.03	1.02	1.03	1.01	1.00	1.01	1.00	0.99	0.98
4	1.10	1.06	1.04	1.02	1.09	1.05	1.03	0.97	1.04	1.02	1.00	1.02	1.00	0.99	1.00	0.99	0.98	0.97
5	1.08	1.05	1.02	1.00	1.07	1.04	1.01	0.97	1.02	1.00	0.99	1.01	0.99	0.98	1.00	0.98	0.97	0.96
6	1.07	1.03	1.00	0.98	1.06	1.02	1.00	0.96	1.01	0.99	0.98	1.00	0.98	0.97	0.99	0.98	0.96	0.96
7	1.06	1.02	0.99	0.97	1.05	1.01	0.99	0.96	1.00	0.98	0.97	0.99	0.98	0.96	0.99	0.97	0.96	0.95
8	1.05	1.01	0.98	0.96	1.04	1.00	0.98	0.95	0.99	0.97	0.96	0.99	0.97	0.95	0.98	0.96	0.95	0.94
9	1.04	0.99	0.97	0.95	1.03	0.99	0.97	0.94	0.99	0.96	0.95	0.98	0.96	0.95	0.97	0.96	0.94	0.94
10	1.03	0.99	0.96	0.95	1.02	0.98	0.96	0.94	0.98	0.96	0.94	0.97	0.95	0.94	0.97	0.95	0.94	0.93

ColorReach Compact Powercore RGB 23° diffuser lens

Lumens	Efficacy
3,850	28.8



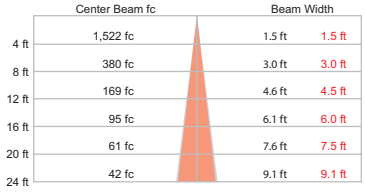
Polar Candela Distribution



	0	25	45	70	90
0	24349	24349	24349	24349	24349
5	21663	21635	21345	21654	21566
15	6144	6152	6185	6345	6371
25	571	550	548	565	558
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

90° 80° 70° 60° 50°

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,846.9	99.9%
0-40	3,849.6	100.0%
0-60	3,849.6	100.0%
0-90	3,849.6	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	3,849.6	100.0%

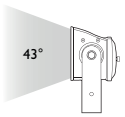
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

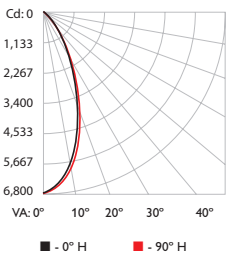
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.14	1.12	1.10	1.13	1.11	1.10	0.98	1.08	1.06	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.98
2	1.12	1.09	1.06	1.04	1.10	1.07	1.05	0.96	1.04	1.02	1.01	1.02	1.00	0.99	0.99	0.98	0.97	0.95
3	1.09	1.05	1.02	0.99	1.08	1.04	1.01	0.94	1.02	0.99	0.97	0.99	0.97	0.96	0.97	0.96	0.94	0.93
4	1.07	1.02	0.98	0.96	1.05	1.01	0.98	0.92	0.99	0.96	0.94	0.97	0.95	0.93	0.95	0.94	0.92	0.91
5	1.04	0.99	0.95	0.93	1.03	0.98	0.95	0.90	0.97	0.94	0.92	0.95	0.93	0.91	0.94	0.92	0.90	0.89
6	1.02	0.96	0.93	0.90	1.01	0.96	0.92	0.88	0.94	0.91	0.89	0.93	0.91	0.89	0.92	0.90	0.88	0.87
7	0.99	0.94	0.90	0.88	0.98	0.93	0.90	0.86	0.92	0.89	0.87	0.91	0.89	0.87	0.90	0.88	0.86	0.85
8	0.97	0.92	0.88	0.86	0.96	0.91	0.88	0.84	0.90	0.87	0.85	0.90	0.87	0.85	0.89	0.86	0.85	0.84
9	0.95	0.90	0.86	0.84	0.94	0.89	0.86	0.83	0.88	0.86	0.83	0.88	0.85	0.83	0.87	0.85	0.83	0.82
10	0.93	0.88	0.84	0.82	0.93	0.87	0.84	0.81	0.87	0.84	0.82	0.86	0.83	0.82	0.86	0.83	0.81	0.81

ColorReach Compact Powercore RGB 43° diffuser lens

Lumens	Efficacy
3,850	28.8

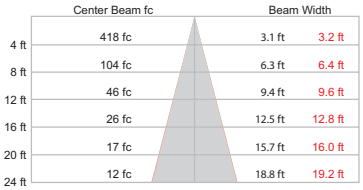


Polar Candela Distribution



	0	25	45	70	90
0	6685	6685	6685	6685	6685
5	6450	6425	6430	6482	6488
15	4757	4736	4799	4924	4983
25	2543	2507	2570	2691	2753
35	887	851	867	916	951
45	176	154	147	151	158
55	10	5	2	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



81.8 ft (24.9 m)
1 fc maximum distance

Vert. Spread: 42.8°
Horiz. Spread: 43.7°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,108.4	80.7%
0-40	3,689.9	95.8%
0-60	3,850.2	100.0%
0-90	3,850.2	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	3,850.2	100.0%

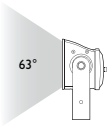
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

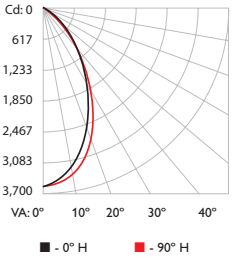
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.09	1.07	1.12	1.09	1.07	0.95	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
2	1.09	1.05	1.01	0.98	1.07	1.03	1.00	0.90	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	1.04	0.98	0.94	0.90	1.02	0.97	0.93	0.85	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.84
4	1.00	0.93	0.88	0.84	0.98	0.92	0.87	0.80	0.90	0.86	0.82	0.88	0.84	0.81	0.86	0.83	0.81	0.79
5	0.95	0.88	0.82	0.78	0.94	0.87	0.82	0.76	0.85	0.81	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.75
6	0.91	0.83	0.78	0.74	0.90	0.82	0.77	0.72	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.71
7	0.87	0.79	0.73	0.69	0.86	0.78	0.73	0.68	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.67
8	0.83	0.75	0.69	0.66	0.82	0.74	0.69	0.65	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.65	0.63
9	0.80	0.71	0.66	0.62	0.79	0.71	0.66	0.61	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.60
10	0.77	0.68	0.63	0.59	0.76	0.67	0.62	0.58	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.57

ColorReach Compact Powercore RGB 63° diffuser lens

Lumens	Efficacy
3,825	28.5

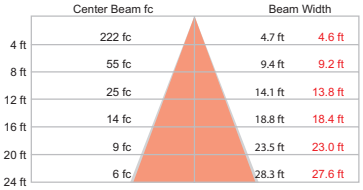


Polar Candela Distribution



	0	25	45	70	90
0	3549	3549	3549	3549	3549
5	3443	3450	3456	3496	3513
15	2850	2879	2926	3018	3091
25	2104	2126	2174	2256	2334
35	1338	1339	1344	1365	1403
45	677	652	631	613	613
55	256	232	212	185	178
65	69	60	47	36	34
75	2	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



59.5 ft (18.1 m)
1 fc maximum distance

Vert. Spread: 61.0°
Horiz. Spread: 59.7°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,196.7	57.4%
0-40	3,061.9	80.0%
0-60	3,770.6	98.6%
0-90	3,825.5	100.0%
60-90	54.9	1.4%
70-100	2.8	0.1%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	3,825.5	100.0%

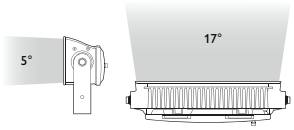
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

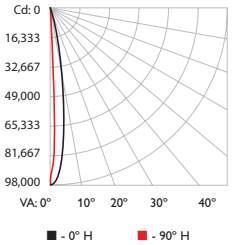
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.13	1.10	1.07	1.05	1.10	1.08	1.05	0.93	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.06	1.01	0.96	0.93	1.04	0.99	0.95	0.85	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.84
3	1.00	0.93	0.87	0.83	0.98	0.92	0.86	0.78	0.89	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.78	0.77
4	0.94	0.86	0.80	0.75	0.92	0.85	0.79	0.71	0.82	0.77	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.70
5	0.89	0.79	0.73	0.68	0.87	0.78	0.72	0.66	0.76	0.71	0.67	0.75	0.70	0.66	0.73	0.69	0.66	0.64
6	0.84	0.74	0.67	0.62	0.82	0.73	0.67	0.60	0.71	0.66	0.62	0.70	0.65	0.61	0.68	0.64	0.61	0.59
7	0.79	0.69	0.62	0.57	0.77	0.68	0.62	0.56	0.66	0.61	0.57	0.65	0.60	0.56	0.64	0.60	0.56	0.54
8	0.75	0.64	0.57	0.53	0.73	0.63	0.57	0.52	0.62	0.57	0.52	0.61	0.56	0.52	0.60	0.55	0.52	0.50
9	0.71	0.60	0.53	0.49	0.69	0.59	0.53	0.48	0.58	0.53	0.49	0.57	0.52	0.49	0.57	0.52	0.48	0.47
10	0.67	0.56	0.50	0.46	0.66	0.56	0.50	0.45	0.55	0.49	0.45	0.54	0.49	0.45	0.53	0.49	0.45	0.44

ColorReach Compact Powercore RGB
5° x 17° asymmetric lens

Lumens	Efficacy
3,930	29.3

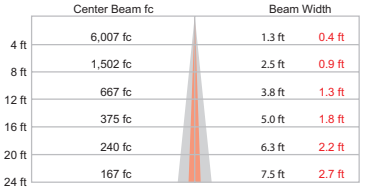


Polar Candela Distribution



	0	25	45	70	90
0	96104	96104	96104	96104	96104
5	80137	51492	34182	24090	21978
15	13309	1653	0	0	0
25	157	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



310 ft (94.5 m)
1 fc maximum distance

■ Vert. Spread: 17.8°
■ Horiz. Spread: 6.4°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,929.9	100.0%
0-40	3,929.9	100.0%
0-60	3,929.9	100.0%
0-90	3,929.9	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	3,929.9	100.0%

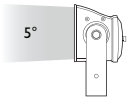
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

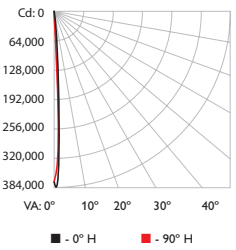
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.15	1.13	1.12	1.14	1.13	1.11	0.99	1.09	1.08	1.07	1.05	1.04	1.04	1.02	1.01	1.01	0.99
2	1.14	1.11	1.09	1.07	1.12	1.10	1.08	0.99	1.07	1.05	1.04	1.04	1.03	1.02	1.01	1.00	1.00	0.98
3	1.12	1.09	1.06	1.04	1.10	1.07	1.05	0.98	1.05	1.03	1.02	1.03	1.01	1.00	1.01	1.00	0.99	0.98
4	1.10	1.06	1.04	1.02	1.09	1.05	1.03	0.97	1.04	1.02	1.00	1.02	1.00	0.99	1.00	0.99	0.98	0.97
5	1.08	1.05	1.02	1.00	1.07	1.04	1.01	0.97	1.02	1.00	0.99	1.01	0.99	0.98	1.00	0.98	0.97	0.96
6	1.07	1.03	1.00	0.98	1.06	1.02	1.00	0.96	1.01	0.99	0.98	1.00	0.98	0.97	0.99	0.98	0.96	0.96
7	1.06	1.02	0.99	0.97	1.05	1.01	0.99	0.96	1.00	0.98	0.97	0.99	0.98	0.96	0.99	0.97	0.96	0.95
8	1.05	1.01	0.98	0.96	1.04	1.00	0.98	0.95	0.99	0.97	0.96	0.99	0.97	0.95	0.98	0.96	0.95	0.95
9	1.04	1.00	0.97	0.95	1.03	0.99	0.97	0.94	0.99	0.96	0.95	0.98	0.96	0.95	0.97	0.96	0.95	0.94
10	1.03	0.99	0.96	0.95	1.02	0.98	0.96	0.94	0.98	0.96	0.94	0.97	0.95	0.94	0.97	0.95	0.94	0.93

ColorReach Compact Powercore RGBA 5° native lens

Lumens	Efficacy
4,993	37.9

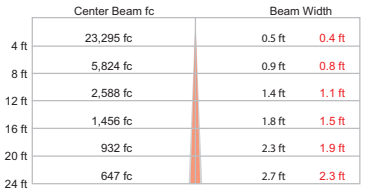


Polar Candela Distribution



	0	25	45	70	90
0	372716	372716	372716	372716	372716
5	61158	55724	54723	56004	56625
15	0	0	0	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



610 ft (185.9 m)
1 fc maximum distance

Vert. Spread: 6.4°
Horiz. Spread: 5.5°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,992.9	100.0%
0-40	4,992.9	100.0%
0-60	4,992.9	100.0%
0-90	4,992.9	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,992.9	100.0%

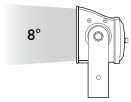
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

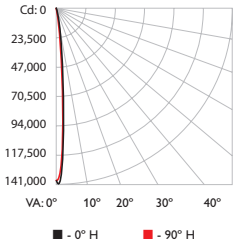
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.17	1.15	1.14	1.13	1.14	1.13	1.12	1.00	1.09	1.08	1.08	1.06	1.05	1.05	1.02	1.02	1.02	1.00
2	1.15	1.12	1.11	1.09	1.13	1.11	1.09	1.00	1.08	1.07	1.05	1.05	1.04	1.03	1.03	1.02	1.01	1.00
3	1.13	1.10	1.08	1.06	1.12	1.09	1.07	1.00	1.07	1.05	1.04	1.05	1.03	1.02	1.03	1.02	1.01	1.00
4	1.12	1.09	1.06	1.05	1.11	1.08	1.06	1.00	1.06	1.04	1.03	1.04	1.03	1.02	1.03	1.02	1.01	1.00
5	1.11	1.07	1.05	1.04	1.10	1.07	1.05	1.00	1.05	1.04	1.02	1.04	1.03	1.02	1.03	1.02	1.01	1.00
6	1.10	1.07	1.04	1.03	1.09	1.06	1.04	1.00	1.05	1.03	1.02	1.04	1.02	1.01	1.03	1.02	1.01	1.00
7	1.09	1.06	1.04	1.02	1.08	1.05	1.03	1.00	1.04	1.03	1.01	1.04	1.02	1.01	1.03	1.02	1.01	1.00
8	1.08	1.05	1.03	1.02	1.08	1.05	1.03	1.00	1.04	1.02	1.01	1.03	1.02	1.01	1.03	1.01	1.01	1.00
9	1.08	1.05	1.03	1.01	1.07	1.04	1.02	1.00	1.04	1.02	1.01	1.03	1.02	1.01	1.03	1.01	1.00	1.00
10	1.07	1.04	1.02	1.01	1.07	1.04	1.02	1.00	1.03	1.02	1.01	1.03	1.02	1.01	1.03	1.01	1.00	1.00

ColorReach Compact Powercore RGBA 8° diffuser lens

Lumens	Efficacy
4,640	34.0

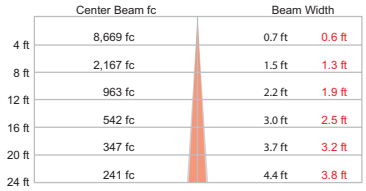


Polar Candela Distribution



	0	25	45	70	90
0	138697	138697	138697	138697	138697
5	72162	66759	62920	60401	61211
15	258	125	7	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



372 ft (113.4 m)
1 fc maximum distance

Vert. Spread: 10.6°
Horiz. Spread: 9.0°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,640.0	100.0%
0-40	4,640.0	100.0%
0-60	4,640.0	100.0%
0-90	4,640.0	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,640.0	100.0%

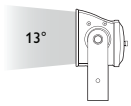
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

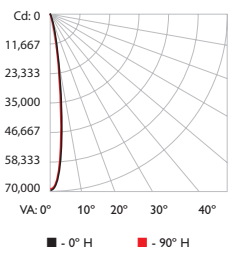
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.17	1.15	1.14	1.13	1.14	1.13	1.12	1.00	1.09	1.08	1.07	1.05	1.05	1.04	1.02	1.02	1.01	1.00
2	1.14	1.12	1.10	1.08	1.13	1.10	1.09	1.00	1.07	1.06	1.05	1.05	1.04	1.03	1.02	1.01	1.01	0.99
3	1.13	1.10	1.07	1.06	1.11	1.09	1.07	1.00	1.06	1.05	1.03	1.04	1.03	1.02	1.02	1.01	1.00	0.99
4	1.11	1.08	1.06	1.04	1.10	1.07	1.05	0.99	1.05	1.03	1.02	1.04	1.02	1.01	1.02	1.01	1.00	0.99
5	1.10	1.07	1.04	1.02	1.09	1.06	1.04	0.99	1.04	1.03	1.01	1.03	1.02	1.00	1.02	1.01	1.00	0.99
6	1.09	1.05	1.03	1.01	1.08	1.05	1.03	0.99	1.04	1.02	1.00	1.03	1.01	1.00	1.02	1.00	0.99	0.99
7	1.08	1.04	1.02	1.01	1.07	1.04	1.02	0.99	1.03	1.01	1.00	1.02	1.01	0.99	1.01	1.00	0.99	0.98
8	1.07	1.04	1.01	1.00	1.06	1.03	1.01	0.99	1.03	1.01	0.99	1.02	1.00	0.99	1.01	1.00	0.99	0.98
9	1.06	1.03	1.01	0.99	1.06	1.03	1.01	0.98	1.02	1.00	0.99	1.01	1.00	0.99	1.01	1.00	0.99	0.98
10	1.06	1.02	1.00	0.99	1.05	1.02	1.00	0.98	1.02	1.00	0.99	1.01	1.00	0.99	1.01	0.99	0.98	0.98

ColorReach Compact Powercore RGBA 13° diffuser lens

Lumens	Efficacy
4,582	33.6

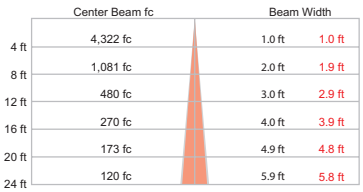


Polar Candela Distribution



	0	25	45	70	90
0	69154	69154	69154	69154	69154
5	50664	48887	48058	48080	48511
15	2354	2299	2346	2566	2697
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



263 ft (80.2 m)
1 fc maximum distance

■ Vert. Spread: 14.1°
■ Horiz. Spread: 13.8°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,582.0	100.0%
0-40	4,582.0	100.0%
0-60	4,582.0	100.0%
0-90	4,582.0	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,582.0	100.0%

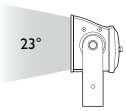
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

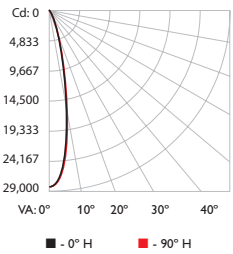
RCC %:	80				70				50			30			10		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.15	1.13	1.12	1.14	1.13	1.11	0.99	1.09	1.08	1.07	1.05	1.04	1.04	1.02	1.01	1.01	0.99
2	1.14	1.11	1.09	1.07	1.12	1.10	1.08	0.99	1.07	1.05	1.04	1.04	1.03	1.02	1.01	1.00	1.00	0.98
3	1.12	1.08	1.06	1.04	1.10	1.07	1.05	0.98	1.05	1.03	1.01	1.03	1.01	1.00	1.01	1.00	0.99	0.97
4	1.10	1.06	1.03	1.01	1.09	1.05	1.03	0.97	1.03	1.01	1.00	1.02	1.00	0.99	1.00	0.99	0.98	0.97
5	1.08	1.04	1.02	1.00	1.07	1.04	1.01	0.96	1.02	1.00	0.98	1.01	0.99	0.98	0.99	0.98	0.97	0.96
6	1.07	1.03	1.00	0.98	1.06	1.02	1.00	0.96	1.01	0.99	0.97	1.00	0.98	0.97	0.99	0.97	0.96	0.95
7	1.05	1.01	0.99	0.97	1.05	1.01	0.98	0.95	1.00	0.98	0.96	0.99	0.97	0.96	0.98	0.97	0.95	0.95
8	1.04	1.00	0.97	0.96	1.03	1.00	0.97	0.94	0.99	0.97	0.95	0.98	0.96	0.95	0.97	0.96	0.95	0.94
9	1.03	0.99	0.96	0.95	1.02	0.99	0.96	0.94	0.98	0.96	0.94	0.97	0.96	0.94	0.97	0.95	0.94	0.93
10	1.02	0.98	0.96	0.94	1.02	0.98	0.95	0.93	0.97	0.95	0.94	0.97	0.95	0.93	0.96	0.95	0.93	0.93

ColorReach Compact Powercore RGBA 23° diffuser lens

Lumens	Efficacy
4,421	32.4

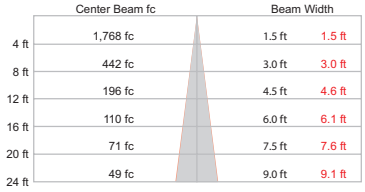


Polar Candela Distribution



	0	25	45	70	90
0	28284	28284	28284	28284	28284
5	24852	24495	24651	24978	25064
15	6921	6804	7000	7205	7278
25	603	573	593	615	603
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



168 ft (51.2 m)
1 fc maximum distance

■ Vert. Spread: 21.3°
■ Horiz. Spread: 21.5°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,418.2	99.9%
0-40	4,420.6	100.0%
0-60	4,420.6	100.0%
0-90	4,420.6	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,420.6	100.0%

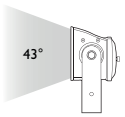
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

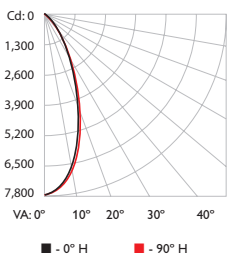
RCC %:	80				70				50			30			10		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.14	1.12	1.10	1.13	1.11	1.10	0.98	1.08	1.06	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.98
2	1.12	1.09	1.06	1.04	1.10	1.07	1.05	0.96	1.04	1.02	1.01	1.02	1.00	0.99	0.99	0.98	0.97	0.95
3	1.09	1.05	1.02	1.00	1.08	1.04	1.01	0.94	1.02	0.99	0.97	0.99	0.97	0.96	0.97	0.96	0.94	0.93
4	1.07	1.02	0.99	0.96	1.05	1.01	0.98	0.92	0.99	0.96	0.94	0.97	0.95	0.93	0.96	0.94	0.92	0.91
5	1.04	0.99	0.95	0.93	1.03	0.98	0.95	0.90	0.97	0.94	0.92	0.95	0.93	0.91	0.94	0.92	0.90	0.89
6	1.02	0.96	0.93	0.90	1.01	0.96	0.92	0.88	0.94	0.92	0.89	0.93	0.91	0.89	0.92	0.90	0.88	0.87
7	0.99	0.94	0.90	0.88	0.99	0.93	0.90	0.86	0.92	0.89	0.87	0.91	0.89	0.87	0.91	0.88	0.86	0.86
8	0.97	0.92	0.88	0.86	0.97	0.91	0.88	0.85	0.90	0.87	0.85	0.90	0.87	0.85	0.89	0.87	0.85	0.84
9	0.95	0.90	0.86	0.84	0.95	0.89	0.86	0.83	0.89	0.86	0.84	0.88	0.85	0.83	0.87	0.85	0.83	0.82
10	0.94	0.88	0.84	0.82	0.93	0.88	0.84	0.81	0.87	0.84	0.82	0.86	0.84	0.82	0.86	0.83	0.82	0.81

ColorReach Compact Powercore RGBA 43° diffuser lens

Lumens	Efficacy
4,413	32.3

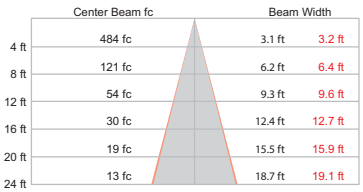


Polar Candela Distribution



	0	25	45	70	90
0	7736	7736	7736	7736	7736
5	7451	7414	7425	7481	7492
15	5443	5466	5545	5682	5741
25	2869	2853	2906	3040	3134
35	980	952	968	1023	1062
45	189	168	161	165	172
55	8	4	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



88 ft (26.8 m)
1 fc maximum distance

■ Vert. Spread: 42.5°
■ Horiz. Spread: 43.4°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,574.3	81.0%
0-40	4,233.8	95.9%
0-60	4,412.6	100.0%
0-90	4,412.6	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,412.6	100.0%

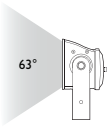
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

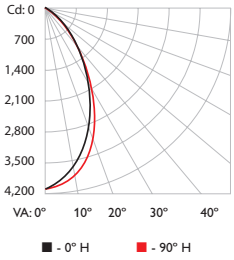
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.11	1.09	1.07	1.12	1.09	1.07	0.95	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
2	1.09	1.05	1.01	0.98	1.07	1.03	1.00	0.90	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	1.04	0.98	0.94	0.90	1.02	0.97	0.93	0.85	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.85	0.84
4	1.00	0.93	0.88	0.84	0.98	0.92	0.87	0.80	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.79
5	0.95	0.88	0.82	0.79	0.94	0.87	0.82	0.76	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.76	0.75
6	0.91	0.83	0.78	0.74	0.90	0.82	0.77	0.72	0.81	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.71
7	0.87	0.79	0.73	0.70	0.86	0.78	0.73	0.68	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.67
8	0.83	0.75	0.69	0.66	0.82	0.74	0.69	0.65	0.73	0.69	0.65	0.72	0.68	0.65	0.71	0.68	0.65	0.64
9	0.80	0.71	0.66	0.62	0.79	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.60
10	0.77	0.68	0.63	0.59	0.76	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58

ColorReach Compact Powercore RGBA 63° diffuser lens

Lumens	Efficacy
4,367	32.0

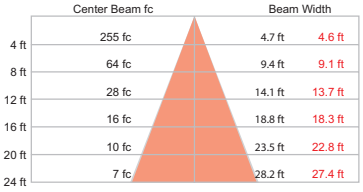


Polar Candela Distribution



	0	25	45	70	90
0	4083	4083	4083	4083	4083
5	3948	3943	3962	4016	4036
15	3270	3287	3342	3454	3540
25	2405	2415	2469	2576	2663
35	1518	1505	1510	1541	1584
45	763	728	701	683	679
55	283	255	229	201	191
65	73	62	48	37	33
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



64 ft (19.5 m)
1 fc maximum distance

■ Vert. Spread: 60.8°
■ Horiz. Spread: 59.5°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,520.1	57.7%
0-40	3,508.6	80.4%
0-60	4,309.3	98.7%
0-90	4,366.5	100.0%
60-90	57.3	1.3%
70-100	2.1	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,366.5	100.0%

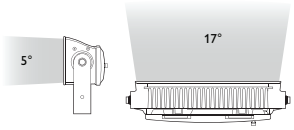
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

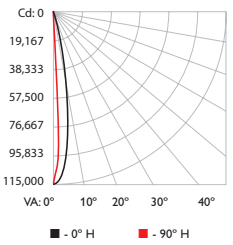
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.13	1.10	1.07	1.05	1.10	1.08	1.05	0.93	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.06	1.01	0.97	0.93	1.04	0.99	0.95	0.85	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.84
3	1.00	0.93	0.87	0.83	0.98	0.92	0.86	0.78	0.89	0.85	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.77
4	0.94	0.86	0.80	0.75	0.92	0.85	0.79	0.71	0.82	0.78	0.74	0.80	0.76	0.73	0.78	0.75	0.72	0.70
5	0.89	0.79	0.73	0.68	0.87	0.79	0.72	0.66	0.77	0.71	0.67	0.75	0.70	0.67	0.73	0.69	0.66	0.64
6	0.84	0.74	0.67	0.62	0.82	0.73	0.67	0.61	0.71	0.66	0.62	0.70	0.65	0.61	0.69	0.64	0.61	0.59
7	0.79	0.69	0.62	0.57	0.78	0.68	0.62	0.56	0.67	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.56	0.55
8	0.75	0.64	0.58	0.53	0.73	0.64	0.57	0.52	0.62	0.57	0.53	0.61	0.56	0.52	0.60	0.56	0.52	0.51
9	0.71	0.60	0.54	0.49	0.70	0.60	0.53	0.48	0.59	0.53	0.49	0.58	0.52	0.49	0.57	0.52	0.49	0.47
10	0.67	0.56	0.50	0.46	0.66	0.56	0.50	0.45	0.55	0.50	0.46	0.54	0.49	0.45	0.54	0.49	0.45	0.44

ColorReach Compact Powercore RGBA
5° x 17° asymmetric lens

Lumens	Efficacy
4,441	32.5

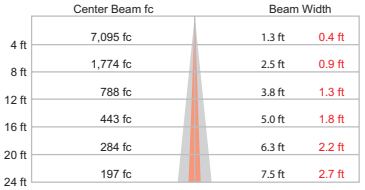


Polar Candela Distribution



	0	25	45	70	90
0	113521	113521	113521	113521	113521
5	94992	64514	42388	28984	26013
15	14202	1569	0	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



337 ft (102.7 m)
1 fc maximum distance

■ Vert. Spread: 17.9°
■ Horiz. Spread: 6.3°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,440.7	100.0%
0-40	4,440.7	100.0%
0-60	4,440.7	100.0%
0-90	4,440.7	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,440.7	100.0%

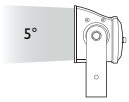
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

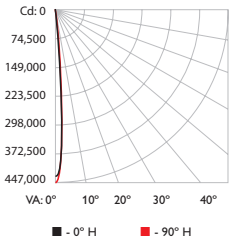
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.15	1.13	1.12	1.14	1.13	1.11	0.99	1.09	1.08	1.07	1.05	1.04	1.04	1.02	1.01	1.01	0.99
2	1.14	1.11	1.09	1.07	1.12	1.10	1.08	0.99	1.07	1.05	1.04	1.04	1.03	1.02	1.01	1.01	1.00	0.99
3	1.12	1.09	1.06	1.04	1.10	1.08	1.05	0.98	1.05	1.03	1.02	1.03	1.02	1.00	1.01	1.00	0.99	0.98
4	1.10	1.07	1.04	1.02	1.09	1.06	1.03	0.98	1.04	1.02	1.00	1.02	1.01	0.99	1.01	0.99	0.98	0.97
5	1.09	1.05	1.02	1.00	1.08	1.04	1.02	0.97	1.03	1.01	0.99	1.01	1.00	0.98	1.00	0.99	0.97	0.97
6	1.07	1.03	1.01	0.99	1.06	1.03	1.00	0.97	1.02	0.99	0.98	1.00	0.99	0.97	0.99	0.98	0.97	0.96
7	1.06	1.02	0.99	0.98	1.05	1.02	0.99	0.96	1.01	0.99	0.97	1.00	0.98	0.97	0.99	0.97	0.96	0.96
8	1.05	1.01	0.98	0.97	1.04	1.01	0.98	0.95	1.00	0.98	0.96	0.99	0.97	0.96	0.98	0.97	0.96	0.95
9	1.04	1.00	0.98	0.96	1.03	1.00	0.97	0.95	0.99	0.97	0.96	0.98	0.97	0.95	0.98	0.96	0.95	0.94
10	1.03	0.99	0.97	0.95	1.02	0.99	0.97	0.94	0.98	0.96	0.95	0.98	0.96	0.95	0.97	0.96	0.95	0.94

ColorReach Compact Powercore RGBW 5° native lens

Lumens	Efficacy
5,533	42.8

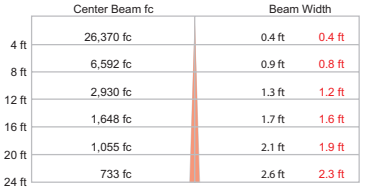


Polar Candela Distribution



	0	25	45	70	90
0	421919	421919	421919	421919	421919
5	91224	79170	78062	77048	78440
15	0	0	0	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



650 ft (198.1 m)
1 fc maximum distance

Vert. Spread: 6.1°
Horiz. Spread: 5.6°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	5,532.8	100.0%
0-40	5,532.8	100.0%
0-60	5,532.8	100.0%
0-90	5,532.8	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	5,532.8	100.0%

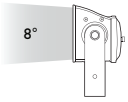
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

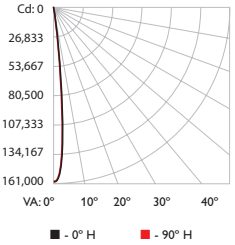
RCC %:	80				70				50			30			10		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.17	1.15	1.14	1.13	1.14	1.13	1.12	1.00	1.09	1.08	1.08	1.06	1.05	1.05	1.02	1.02	1.02	1.00
2	1.15	1.12	1.11	1.09	1.13	1.11	1.09	1.00	1.08	1.07	1.05	1.05	1.04	1.03	1.03	1.02	1.01	1.00
3	1.13	1.10	1.08	1.06	1.12	1.09	1.07	1.00	1.07	1.05	1.04	1.05	1.03	1.02	1.03	1.02	1.01	1.00
4	1.12	1.09	1.06	1.05	1.11	1.08	1.06	1.00	1.06	1.04	1.03	1.04	1.03	1.02	1.03	1.02	1.01	1.00
5	1.11	1.07	1.05	1.04	1.10	1.07	1.05	1.00	1.05	1.04	1.02	1.04	1.03	1.02	1.03	1.02	1.01	1.00
6	1.10	1.07	1.04	1.03	1.09	1.06	1.04	1.00	1.05	1.03	1.02	1.04	1.02	1.01	1.03	1.02	1.01	1.00
7	1.09	1.06	1.04	1.02	1.08	1.05	1.03	1.00	1.04	1.03	1.01	1.04	1.02	1.01	1.03	1.02	1.01	1.00
8	1.08	1.05	1.03	1.02	1.08	1.05	1.03	1.00	1.04	1.02	1.01	1.03	1.02	1.01	1.03	1.01	1.01	1.00
9	1.08	1.05	1.03	1.01	1.07	1.04	1.02	1.00	1.04	1.02	1.01	1.03	1.02	1.01	1.03	1.01	1.00	1.00
10	1.07	1.04	1.02	1.01	1.07	1.04	1.02	1.00	1.03	1.02	1.01	1.03	1.02	1.01	1.03	1.01	1.00	1.00

ColorReach Compact Powercore RGBW 8° diffuser lens

Lumens	Efficacy
5,137	38.1

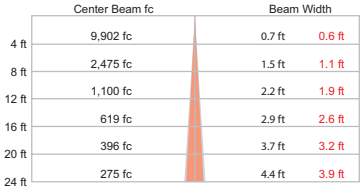


Polar Candela Distribution



	0	25	45	70	90
0	158428	158428	158428	158428	158428
5	88498	86956	85133	83122	82275
15	183	27	0	0	0
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



398 ft (121.3 m)
1 fc maximum distance

Vert. Spread: 10.5°
Horiz. Spread: 9.3°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	5,137.4	100.0%
0-40	5,137.4	100.0%
0-60	5,137.4	100.0%
0-90	5,137.4	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	5,137.4	100.0%

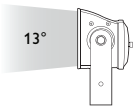
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

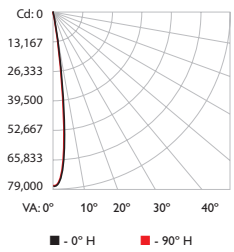
RCC %:	80				70				50			30			10		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.17	1.15	1.14	1.13	1.14	1.13	1.12	1.00	1.09	1.08	1.07	1.06	1.05	1.04	1.02	1.02	1.01	1.00
2	1.15	1.12	1.10	1.09	1.13	1.11	1.09	1.00	1.08	1.06	1.05	1.05	1.04	1.03	1.02	1.02	1.01	1.00
3	1.13	1.10	1.08	1.06	1.11	1.09	1.07	1.00	1.06	1.05	1.03	1.04	1.03	1.02	1.02	1.01	1.00	0.99
4	1.11	1.08	1.06	1.04	1.10	1.07	1.05	1.00	1.05	1.04	1.02	1.04	1.02	1.01	1.02	1.01	1.00	0.99
5	1.10	1.07	1.04	1.03	1.09	1.06	1.04	0.99	1.05	1.03	1.01	1.03	1.02	1.01	1.02	1.01	1.00	0.99
6	1.09	1.06	1.03	1.02	1.08	1.05	1.03	0.99	1.04	1.02	1.01	1.03	1.01	1.00	1.02	1.01	1.00	0.99
7	1.08	1.05	1.02	1.01	1.07	1.04	1.02	0.99	1.03	1.02	1.00	1.02	1.01	1.00	1.02	1.00	0.99	0.99
8	1.07	1.04	1.02	1.00	1.07	1.04	1.02	0.99	1.03	1.01	1.00	1.02	1.01	0.99	1.01	1.00	0.99	0.99
9	1.07	1.03	1.01	1.00	1.06	1.03	1.01	0.99	1.02	1.01	0.99	1.02	1.00	0.99	1.01	1.00	0.99	0.98
10	1.06	1.03	1.01	1.00	1.06	1.03	1.01	0.99	1.02	1.00	0.99	1.02	1.00	0.99	1.01	1.00	0.99	0.98

ColorReach Compact Powercore RGBW 13° diffuser lens

Lumens	Efficacy
4,870	36.2

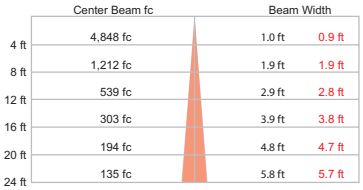


Polar Candela Distribution



	0	25	45	70	90
0	77573	77573	77573	77573	77573
5	58095	55728	56721	57994	57838
15	2562	2616	2870	3181	3190
25	0	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,870.2	100.0%
0-40	4,870.2	100.0%
0-60	4,870.2	100.0%
0-90	4,870.2	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,870.2	100.0%

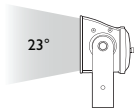
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

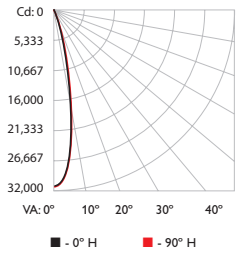
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.15	1.13	1.12	1.14	1.13	1.11	0.99	1.09	1.08	1.07	1.05	1.04	1.04	1.02	1.01	1.01	0.99
2	1.14	1.11	1.09	1.07	1.12	1.10	1.08	0.99	1.07	1.05	1.04	1.04	1.03	1.02	1.01	1.00	1.00	0.98
3	1.12	1.09	1.06	1.04	1.10	1.07	1.05	0.98	1.05	1.03	1.02	1.03	1.01	1.00	1.01	1.00	0.99	0.98
4	1.10	1.06	1.04	1.02	1.09	1.05	1.03	0.97	1.04	1.02	1.00	1.02	1.00	0.99	1.00	0.99	0.98	0.97
5	1.08	1.05	1.02	1.00	1.07	1.04	1.01	0.97	1.02	1.00	0.99	1.01	0.99	0.98	1.00	0.98	0.97	0.96
6	1.07	1.03	1.00	0.98	1.06	1.02	1.00	0.96	1.01	0.99	0.97	1.00	0.98	0.97	0.99	0.98	0.96	0.96
7	1.06	1.02	0.99	0.97	1.05	1.01	0.99	0.95	1.00	0.98	0.96	0.99	0.97	0.96	0.98	0.97	0.96	0.95
8	1.05	1.00	0.98	0.96	1.04	1.00	0.98	0.95	0.99	0.97	0.96	0.99	0.97	0.95	0.98	0.96	0.95	0.94
9	1.03	0.99	0.97	0.95	1.03	0.99	0.97	0.94	0.98	0.96	0.95	0.98	0.96	0.95	0.97	0.96	0.94	0.94
10	1.02	0.98	0.96	0.94	1.02	0.98	0.96	0.94	0.98	0.96	0.94	0.97	0.95	0.94	0.97	0.95	0.94	0.93

ColorReach Compact Powercore RGBW 23° diffuser lens

Lumens	Efficacy
4,812	35.7

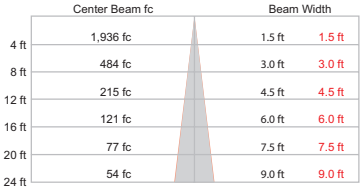


Polar Candela Distribution



	0	25	45	70	90
0	30974	30974	30974	30974	30974
5	27469	27461	27879	28248	28308
15	7902	8072	8283	8505	8450
25	705	725	750	773	753
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,809.3	100.0%
0-40	4,811.6	100.0%
0-60	4,811.6	100.0%
0-90	4,811.6	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,811.6	100.0%

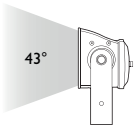
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

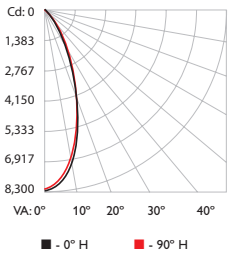
RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.14	1.12	1.10	1.13	1.11	1.10	0.98	1.08	1.06	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.98
2	1.12	1.09	1.06	1.04	1.10	1.07	1.05	0.96	1.04	1.03	1.01	1.02	1.00	0.99	0.99	0.98	0.97	0.95
3	1.09	1.05	1.02	1.00	1.08	1.04	1.01	0.94	1.02	0.99	0.97	0.99	0.97	0.96	0.97	0.96	0.94	0.93
4	1.07	1.02	0.99	0.96	1.05	1.01	0.98	0.92	0.99	0.96	0.94	0.97	0.95	0.93	0.96	0.94	0.92	0.91
5	1.04	0.99	0.95	0.93	1.03	0.98	0.95	0.90	0.97	0.94	0.92	0.95	0.93	0.91	0.94	0.92	0.90	0.89
6	1.02	0.96	0.93	0.90	1.01	0.96	0.92	0.88	0.94	0.92	0.89	0.93	0.91	0.89	0.92	0.90	0.88	0.87
7	1.00	0.94	0.90	0.88	0.99	0.93	0.90	0.86	0.92	0.89	0.87	0.91	0.89	0.87	0.91	0.88	0.87	0.86
8	0.97	0.92	0.88	0.86	0.97	0.91	0.88	0.85	0.91	0.88	0.85	0.90	0.87	0.85	0.89	0.87	0.85	0.84
9	0.95	0.90	0.86	0.84	0.95	0.89	0.86	0.83	0.89	0.86	0.84	0.88	0.85	0.83	0.87	0.85	0.83	0.82
10	0.94	0.88	0.85	0.82	0.93	0.88	0.84	0.82	0.87	0.84	0.82	0.86	0.84	0.82	0.86	0.83	0.82	0.81

ColorReach Compact Powercore RGBW 43° diffuser lens

Lumens	Efficacy
4,626	34.3



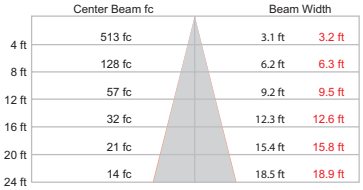
Polar Candela Distribution



	0	25	45	70	90
0	8209	8209	8209	8209	8209
5	7998	7893	7853	7853	7817
15	5910	5763	5725	5740	5709
25	3084	2985	2994	3054	3079
35	1036	1008	1025	1072	1101
45	210	206	206	213	220
55	14	12	9	6	6
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

90° 80° 70° 60° 50°

Illuminance at Distance



90.5 ft (27.6 m)
1 fc maximum distance

■ Vert. Spread: 42.1°
■ Horiz. Spread: 43.1°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,756.8	81.2%
0-40	4,438.9	96.0%
0-60	4,625.5	100.0%
0-90	4,625.5	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,625.5	100.0%

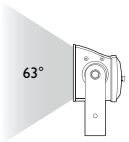
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

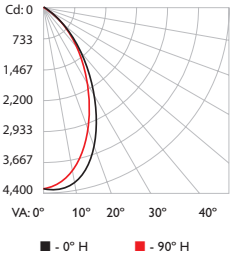
RCC %:	80				70				50			30			10		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.14	1.12	1.09	1.07	1.12	1.09	1.07	0.95	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
2	1.09	1.05	1.01	0.98	1.07	1.03	1.00	0.90	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	1.04	0.98	0.94	0.90	1.02	0.97	0.93	0.85	0.95	0.91	0.88	0.92	0.89	0.87	0.90	0.88	0.86	0.84
4	1.00	0.93	0.88	0.84	0.98	0.92	0.87	0.80	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.81	0.79
5	0.95	0.88	0.83	0.79	0.94	0.87	0.82	0.76	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.75
6	0.91	0.83	0.78	0.74	0.90	0.82	0.77	0.72	0.81	0.76	0.73	0.80	0.76	0.73	0.78	0.75	0.72	0.71
7	0.87	0.79	0.73	0.70	0.86	0.78	0.73	0.68	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.67
8	0.84	0.75	0.70	0.66	0.82	0.74	0.69	0.65	0.73	0.69	0.66	0.72	0.68	0.65	0.72	0.68	0.65	0.64
9	0.80	0.71	0.66	0.63	0.79	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.65	0.62	0.61
10	0.77	0.68	0.63	0.59	0.76	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.58

ColorReach Compact Powercore RGBW 63° diffuser lens

Lumens	Efficacy
4,550	33.8



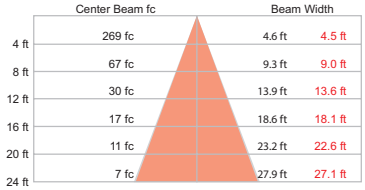
Polar Candela Distribution



	0	25	45	70	90
0	4302	4302	4302	4302	4302
5	4353	4293	4248	4204	4153
15	3926	3790	3671	3548	3443
25	3002	2848	2735	2601	2516
35	1830	1733	1655	1567	1515
45	848	799	762	722	704
55	267	255	245	230	227
65	59	56	49	43	44
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

90° 80° 70° 60° 50°

Illuminance at Distance



65.5 ft (20.0 m)
1 fc maximum distance

■ Vert. Spread: 60.3°
■ Horiz. Spread: 58.9°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,637.4	58.0%
0-40	3,663.0	80.5%
0-60	4,491.6	98.7%
0-90	4,550.4	100.0%
60-90	58.8	1.3%
70-100	2.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,550.4	100.0%

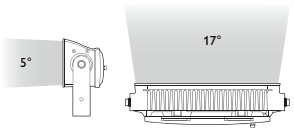
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

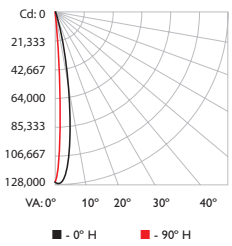
RCC %:	80				70				50			30			10		0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.13	1.10	1.07	1.05	1.10	1.08	1.05	0.93	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.06	1.01	0.97	0.93	1.04	0.99	0.95	0.85	0.96	0.93	0.90	0.93	0.90	0.88	0.90	0.88	0.86	0.84
3	1.00	0.93	0.88	0.83	0.98	0.92	0.87	0.78	0.89	0.85	0.81	0.87	0.83	0.80	0.84	0.81	0.79	0.77
4	0.94	0.86	0.80	0.75	0.92	0.85	0.79	0.72	0.83	0.78	0.74	0.80	0.76	0.73	0.79	0.75	0.72	0.70
5	0.89	0.80	0.73	0.68	0.87	0.79	0.73	0.66	0.77	0.71	0.67	0.75	0.70	0.67	0.73	0.69	0.66	0.64
6	0.84	0.74	0.67	0.62	0.82	0.73	0.67	0.61	0.71	0.66	0.62	0.70	0.65	0.61	0.69	0.64	0.61	0.59
7	0.79	0.69	0.62	0.57	0.78	0.68	0.62	0.56	0.67	0.61	0.57	0.66	0.60	0.57	0.64	0.60	0.56	0.55
8	0.75	0.64	0.58	0.53	0.73	0.64	0.57	0.52	0.63	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.52	0.51
9	0.71	0.60	0.54	0.49	0.70	0.60	0.53	0.49	0.59	0.53	0.49	0.58	0.53	0.49	0.57	0.52	0.49	0.47
10	0.67	0.57	0.50	0.46	0.66	0.56	0.50	0.45	0.55	0.50	0.46	0.54	0.49	0.46	0.54	0.49	0.45	0.44

ColorReach Compact Powercore RGBW
5° x 17° asymmetric lens

Lumens	Efficacy
4,773	35.4

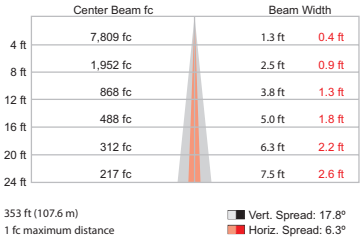


Polar Candela Distribution



	0	25	45	70	90
0	124950	124950	124950	124950	124950
5	107930	68372	43358	27707	23835
15	17759	1543	0	0	0
25	26	0	0	0	0
35	0	0	0	0	0
45	0	0	0	0	0
55	0	0	0	0	0
65	0	0	0	0	0
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	4,772.7	100.0%
0-40	4,772.7	100.0%
0-60	4,772.7	100.0%
0-90	4,772.7	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	4,772.7	100.0%

Coefficients Of Utilization - Zonal Cavity Method

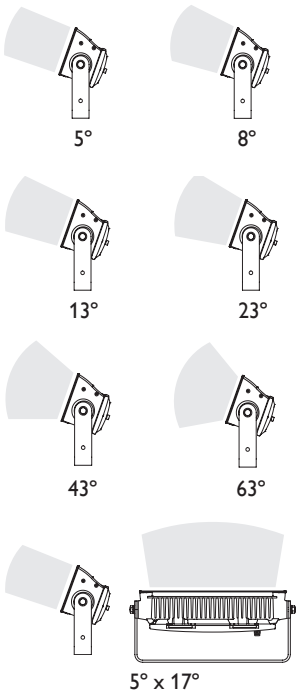
Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50			30			10			0
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0
RCR:																		
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.16	1.15	1.13	1.12	1.14	1.13	1.11	0.99	1.09	1.08	1.07	1.05	1.04	1.04	1.02	1.01	1.01	0.99
2	1.14	1.11	1.09	1.07	1.12	1.10	1.08	0.99	1.07	1.05	1.04	1.04	1.03	1.02	1.01	1.01	1.00	0.99
3	1.12	1.09	1.06	1.04	1.10	1.07	1.05	0.98	1.05	1.03	1.02	1.03	1.02	1.00	1.01	1.00	0.99	0.98
4	1.10	1.07	1.04	1.02	1.09	1.06	1.03	0.98	1.04	1.02	1.00	1.02	1.00	0.99	1.01	0.99	0.98	0.97
5	1.09	1.05	1.02	1.00	1.07	1.04	1.02	0.97	1.03	1.01	0.99	1.01	1.00	0.98	1.00	0.99	0.97	0.97
6	1.07	1.03	1.01	0.99	1.06	1.03	1.00	0.96	1.02	0.99	0.98	1.00	0.99	0.97	0.99	0.98	0.97	0.96
7	1.06	1.02	0.99	0.98	1.05	1.02	0.99	0.96	1.01	0.98	0.97	1.00	0.98	0.97	0.99	0.97	0.96	0.95
8	1.05	1.01	0.98	0.97	1.04	1.00	0.98	0.95	1.00	0.98	0.96	0.99	0.97	0.96	0.98	0.97	0.96	0.95
9	1.04	1.00	0.97	0.96	1.03	1.00	0.97	0.95	0.99	0.97	0.95	0.98	0.97	0.95	0.98	0.96	0.95	0.94
10	1.03	0.99	0.97	0.95	1.02	0.99	0.97	0.94	0.98	0.96	0.95	0.98	0.96	0.95	0.97	0.96	0.94	0.94

Specifications, UL/CE

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

Item	Specification	Details
Output	Beam Angle	5° primary optic (no spread lens) 8°/13°/23°/43°/63°/5° x 17° (asymmetric) spread lenses
	Lumens†	4,658 (RGB), 4,993 (RGBA), 5,531 (RGBW)
	LED Channels	Red/Green/Blue, Red/Green/Blue/Amber, Red/Green/Blue/4000 K
	Lumen Maintenance§¶	100,000 hours L_{70} @ 25° C 100,000 hours L_{70} @ 50° C
Electrical	Input Voltage	100 – 277 VAC, auto-switching, 50/60 Hz
	Power Consumption	135 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (DMX/Ethernet)
	Control System	Philips Color Kinetics full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
Physical	Dimensions *(Height x Width x Depth)*	350 x 733 x 196 mm (13.8 x 28.9 x 7.7 in)
	Weight	23 kg (51 lb)
	Effective Projected Area (EPA)	0.186 m^2
	Housing	Die-cast aluminium, powder-coated finish
	Mechanical Impact	IK07
	Lens	Tempered glass
	Fixture Connections	Integral male/female waterproof connector
	Temperature Ranges	-40° – 50° C (-40° – 122° F) Operating -20° – 50° C (-4° – 122° F) Startup -40° – 80° C (-40° – 176° F) 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, CE, FCC Class A, PSE
	Environment	Dry/Damp/Wet Location, IP66



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

§ Lxx = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B10, or the median value where 90% of the LED population is better than the reported or calculated lumen maintenance measurement.

¶ Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.

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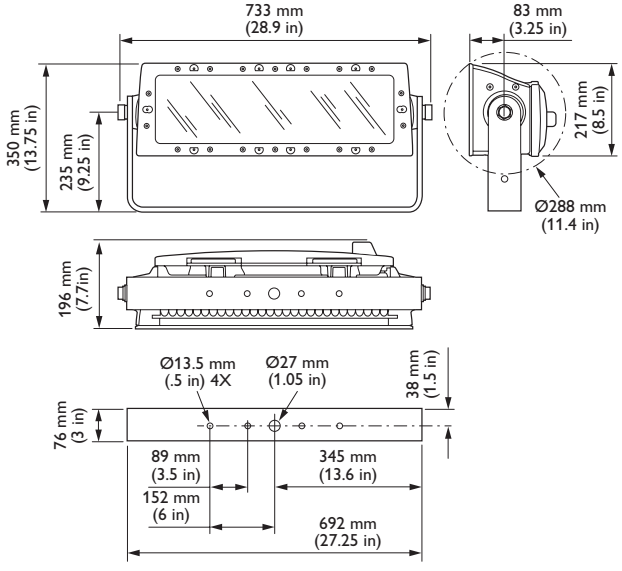
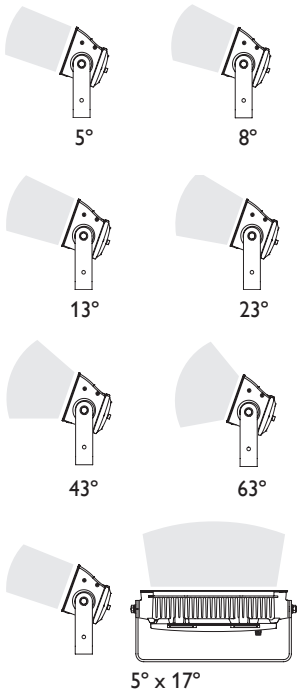


Specifications, CQC

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

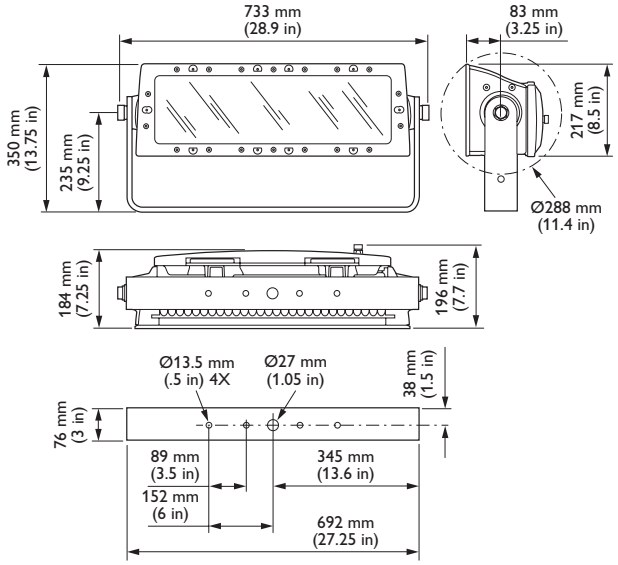


Item	Specification	Details
Output	Beam Angle	5° primary optic (no spread lens) 8°/13°/23°/43°/63°/5° x 17° (asymmetric) spread lenses
	Lumens†	4,658 (RGB), 4,993 (RGBA), 5,531 (RGBW)
	LED Channels	Red/Green/Blue, Red/Green/Blue/Amber, Red/Green/Blue/4000 K
	Lumen Maintenance§¶	100,000 hours L_{70} @ 25° C 100,000 hours L_{70} @ 50° C
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50/60 Hz
	Power Consumption	130 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (DMX/Ethernet)
	Control System	Philips Color Kinetics full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
Physical	Dimensions *(Height x Width x Depth)*	350 x 733 x 196 mm (13.8 x 28.9 x 7.7 in)
	Weight	23 kg (51 lb)
	Effective Projected Area (EPA)	0.186 m^2
	Housing	Die-cast aluminium, powder-coated finish
	Mechanical Impact	IK07
	Lens	Tempered glass
	Fixture Connections	Integral male/female waterproof connector, 1.8 m (6 ft) unified power/data cable
	Temperature Ranges	-40° – 50° C (-40° – 122° F) Operating -20° – 50° C (-4° – 122° F) Startup -40° – 80° C (-40° – 176° F) 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	CQC, FCC Class A, CE, PSE, C-Tick
	Environment	Dry/Damp/Wet Location, IP66

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

§ Lxx = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B10, or the median value where 90% of the LED population is better than the reported or calculated lumen maintenance measurement.

¶ Lumen maintenance figures are based on lifetime prediction graphs supplied by LED source manufacturers. Whenever possible, figures use measurements that comply with IES LM-80-08 testing procedures. In accordance with TM-21-11, reported values represent the interpolated value based on six times the LM-80-08 total test duration (in hours). Calculated values represent time durations that exceed six times the total test duration.



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Fixtures and Data Enabler Pro

ColorReach Compact Powercore fixtures are part of a complete line-voltage system that includes fixtures and:

- One or more Data Enabler Pro devices.
- Any Philips controller, including Light System Manager, iPlayer 3, and ColorDial Pro, or a third-party controller.
- One 1.8 m (6 ft) leader cable (included with CQC fixture) to connect each ColorReach Compact Powercore fixture to a junction box or Data Enabler Pro.
- 4-conductor copper wire to connect ColorReach Compact Powercore fixtures in series or in parallel. Standard 12 AWG (2.05 mm) stranded wire is recommended

Fixtures

Item	LED	Item Number*	Philips 12NC
ColorReach Compact Powercore gen2 UL/CE *(Leader cable sold seperately)*	RGB	123-000154-02	912400133610
	RGBW	423-000015-00	912400133581
	RGBA	423-000015-03	912400133584
ColorReach Compact Powercore gen2 CQC *(Includes 1.8 m (6 ft) leader cable)*	RGB	123-000078-03	912400133607
	RGBW	423-000015-02	912400133583
	RGBA	423-000015-05	912400133586

Data Enabler

Item	Style	Item Number	Philips 12NC
Data Enabler Pro	3/4 in / 1/2 in NPT (US trade size conduit)	106-000004-00	910503701210
	PG21/PG13 (metric size conduit)	106-000004-01	910503701211

Use Item Number when ordering in North America.

Custom Configurations

In addition to the standard configurations listed here, custom configurations are also available with non-standard colors or color temperatures. See the ColorReach Compact Powercore Ordering Information sheet at www.philipscolorkinetics.com/ls/rgb/colorreach/ for complete details.

Component	Available Non-Standard Options
Color Temperature	2700 K, 3000 K, 3500 K, 4000 K, 5500 K, 6000 K, 6500 K
Color	Royal Blue, Blue, Green, Amber, Red

Accessories

All of the Philips Color Kinetics accessories are designed to provide customizable options for controlling and dispersing light as well as added protection.

Item	Item Number	Philips 12NC
Leader Cable, 100–277 VAC, UL, 3 m (10 ft)	108-000055-03	910503704066
Leader Cable, 100–277 VAC, UL, 15.2 m (50 ft)	108-000055-00	910503703137
Leader Cable, 100–277 VAC, CE/PSE, 3 m (10 ft)	108-000055-04	910503704067
Leader Cable, 100–277 VAC, CE/PSE, 15.2 m (50 ft)	108-000055-01	910503704064
Leader Cable, 100–277 VAC, CE/PSE, 1.8 m (6 ft)	108-000043-03	910503700454

For complete instructions on how to install the accessories, refer to the ColorReach Compact Powercore Accessory Installation Instructions at http://www.colorkinetics.com/ls/accessories/Reach-Powercore/

Item	Item Number	Philips 12NC	
Louver *(Requires Trim Bezel)*	120-000187-02	912400133589	
Half Glare Shield *(Requires Trim Bezel)*	120-000187-01	912400133588	

Use Item Number when ordering in North America.

Item	Item Number	Philips 12NC	
Full Glare Shield *(Requires Trim Bezel)*	120-000187-00	912400133587	
Trim Bezel	120-000187-03	912400134263	
8° Spread Lens with Bezel	120-000068-17	912400133598	
13° Spread Lens with Bezel	120-000068-12	912400133593	
23° Spread Lens with Bezel	120-000068-13	912400133594	
43° Spread Lens with Bezel	120-000068-14	912400133595	
63° Spread Lens with Bezel	120-000068-15	912400133596	
5° X 17° Asymmetric Spread Lens with Bezel	120-000068-16	912400133597	

Use Item Number when ordering in North America.

Installation

Refer to the ColorReach Powercore Installation Instructions for specific warning and caution statements.

ColorReach Powercore, a high-performance exterior architectural floodlight with extended light projection, is designed to brilliantly and dynamically illuminate prominent, signature façades. Because each ColorReach Powercore fixture weighs 23 kg (51 lb), you may need two people to lift the fixture out of the box and position it in the mounting location. Optional accessory optics require the installation of both the spread lens and a bezel.

Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate ColorReach 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.

Installing in Damp or Wet Locations

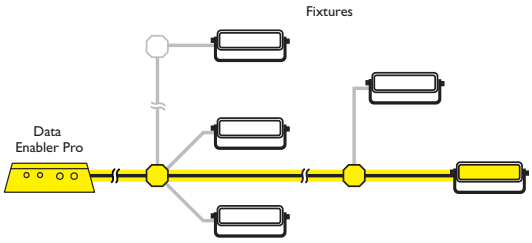
When installing in damp or wet locations, you must seal all junction boxes and Data Enabler Pro devices with electronics-grade RTV silicone sealant so that water or moisture cannot enter or accumulate in wiring compartments, cables, fixtures, or other electrical parts. You must use suitable outdoor-rated junction boxes when installing in wet or damp locations. Additionally, you must use gaskets, clamps, and other parts required for installation to comply with all applicable local and national codes.

Prepare for the Installation

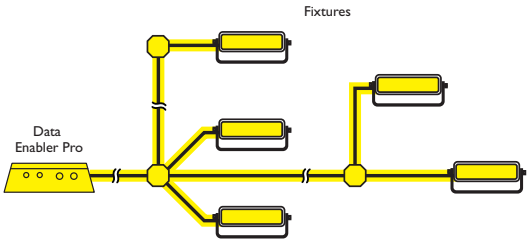
1. Refer to the lighting design plan, architectural diagram, or other diagram that shows the physical layout of the installation to identify the locations of all switches, controllers, Data Enabler Pro devices, fixtures, and cables.

   ColorReach Powercore fixtures can be installed in series or in parallel (wired to a common junction box). The maximum number of fixtures each Data Enabler Pro can support depends on specific configuration details such as fixture spacing, circuit size, line voltage, and method of connection (in series or in parallel). For more information, and for help calculating the number of fixtures your specific installation can support, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/, or consult Application Engineering Services at support@colorkinetics.com.

In addition to maximum fixture run lengths determined by the electrical configuration, each Data Enabler Pro imposes maximum run lengths based on data integrity. To ensure data integrity, maximum individual run length should not exceed 53.3 m (175 ft), and the total cable length per Data Enabler Pro should not exceed 122 m (400 ft).



Data Integrity – maximum individual length 175 ft (53.3 m)



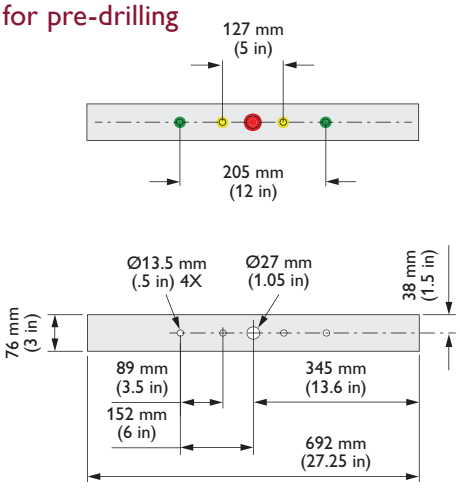
Data Integrity – total length 400 ft (122 m)

2. Ensure that the fixture mounting locations and substrates are sufficiently sturdy to bear the weight of each ColorReach Compact Powercore fixture. Pre-drill holes in the mounting substrate if necessary, making reference to the mounting bracket dimensions. Use at least two screws to secure each fixture, one on either side of the mounting bracket's central screw hole.

   If mounting ColorReach Compact Powercore on a lighting pole, make sure the pole can both support the total weight of the fixtures and withstand the maximum velocity winds to which it will be subjected. Each fixture weighs 23 kg (51 lb), and has an effective projected area (EPA) of 0.186 m^2.

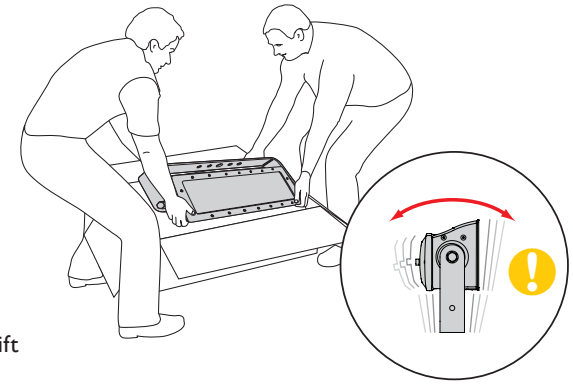
3. Install all Data Enabler Pro devices, including any interfaces with controllers. Data Enabler Pro and external controllers send power and control signals to fixtures over the single leader cable.
4. Verify that all additional supporting equipment (switches, controllers) is in place.
5. Ensure that all additional parts and tools are available, including:
   - A 28 mm hex or adjustable wrench for adjusting the locking bolts on the fixture bracket.
   - One electrical junction box per fixture, rated for your application. (Refer to the junction box manufacturer's literature for additional items required for mounting or sealing.)
   - A sufficient length of 4-conductor copper wire. We recommend 12 AWG (2.05 mm) stranded wire.
   - Conduit as required.
   - Electronics-grade room temperature vulcanizing (RTV) silicone sealant.

Mounting bracket dimensions for pre-drilling



Unpack the Fixtures

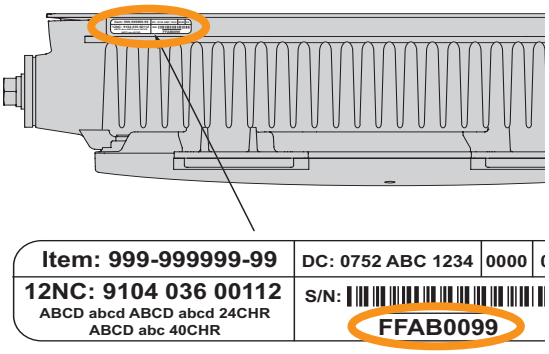
1. Unpack ColorReach Compact Powercore fixtures. Because each ColorReach Compact Powercore fixture weighs 34 kg (75 lb), you may need two people to lift the fixture out of the box and position it in the mounting location.
2. Each ColorReach Compact Powercore fixture comes pre-programmed with a unique serial number. As you unpack the fixtures, record the serial numbers in a layout grid (typically a spreadsheet or list) for easy reference and light addressing.



Do not rest ColorReach Powercore on its back, as doing so may damage the connector port. Be careful not to tip the fixture over during positioning.

3. Assign each fixture to a position in the lighting design plan.

To streamline the configuration of complex installations, record the serial number (DMX) or IP address (Ethernet) and location of each Data Enabler Pro..

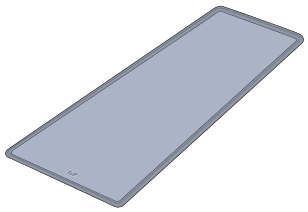


4. To streamline installation and aid in light show programming, you can affix a weatherproof label identifying the order or placement in the installation to an inconspicuous location on each light fixture's housing.

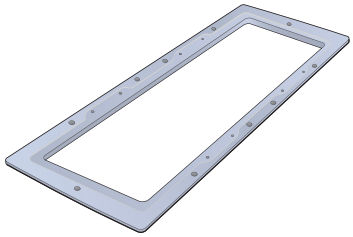
Attach Accessory Lenses (Optional)

Accessories can be installed to change the beam angle or add extra glare control protection to the fixture in outdoor environments.

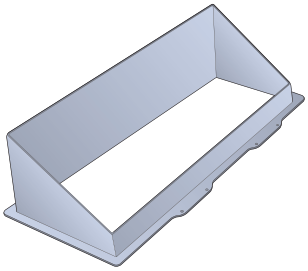
For complete instructions on how to install the accessories, refer to the Accessory Installation Instructions at http://www.colorkinetics.com/ls/accessories/Reach-Powercore/



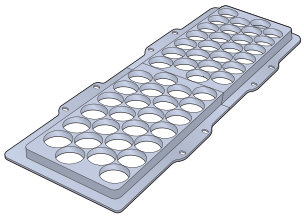
Spread Lens



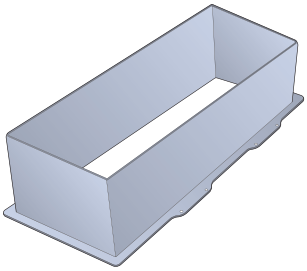
Trim Bezel



Half Glare Shield



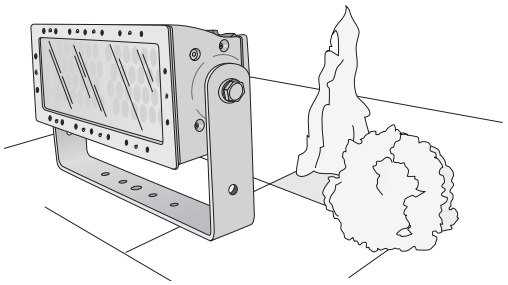
Louver



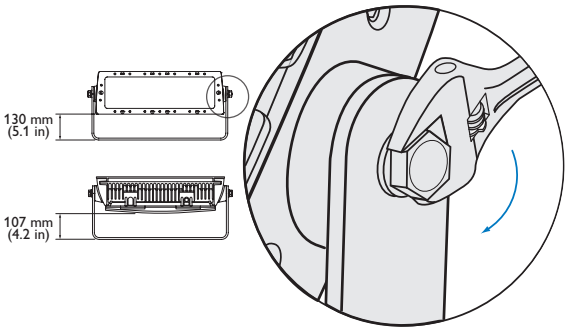
Full Glare Shield

Position and Mount Fixtures

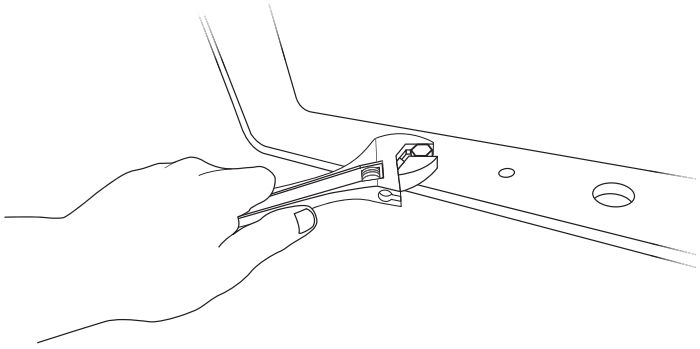
1. Position each ColorReach Compact Powercore fixture in its designated mounting location. Make sure the mounting area is clear of debris and other obstructions.



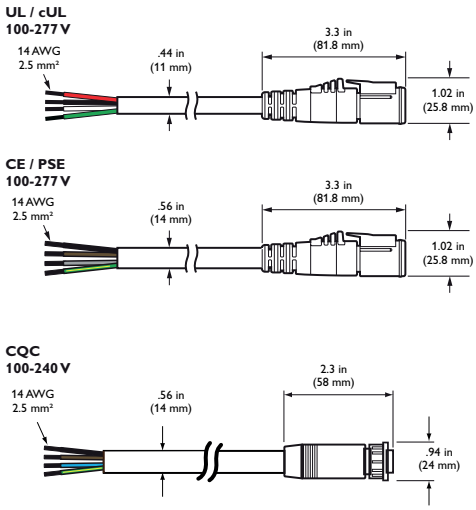
2. Loosen the locking bolts, using a 28 mm hex or adjustable wrench, and rotate the fixture to access the mounting bracket. Tilting the fixture 90° affords 107 mm (4.2 in) clearance.

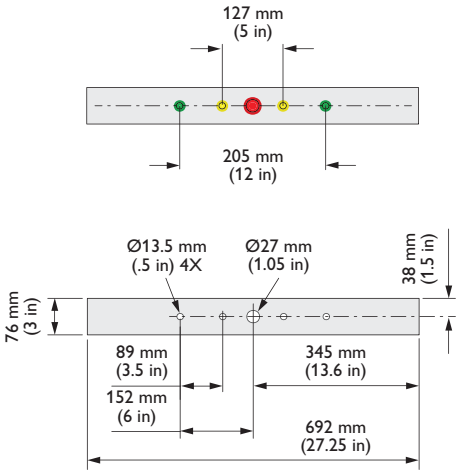


3. If mounting holes have been pre-drilled, align the mounting bracket's screw holes with the pre-drilled holes. Mount the fixture bracket using hardware appropriate for the mounting substrate. Use at least two screws to secure each fixture, one on either side of the mounting bracket's central screw hole.



Leader Cable connector dimensions



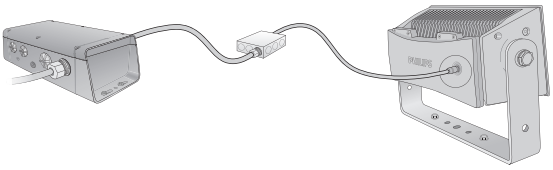


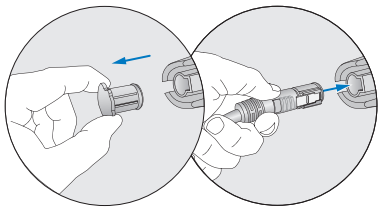
Connect the Fixtures

Make sure the power is OFF before connecting ColorReach Compact Powercore fixtures.

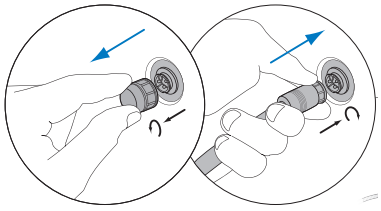
1. Mount junction boxes in accordance with the lighting design plan.
2. If installing fixtures in a series, pull 4-conductor copper wire between each junction box in the series.

   If installing fixtures in parallel, pull 4-conductor copper wire from a common junction box to each fixture's junction box.

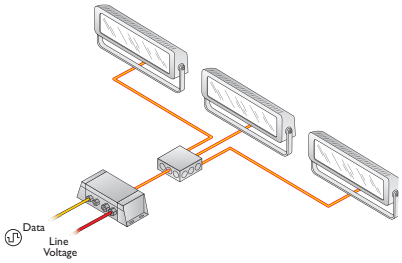




UL/CE (100–277 VAC)



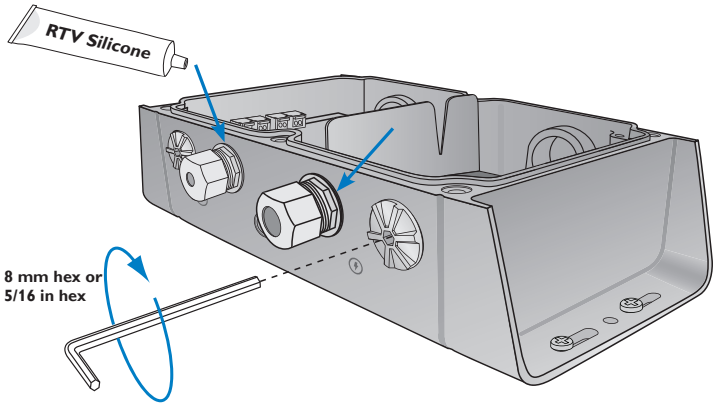
CQC (100–240 VAC)



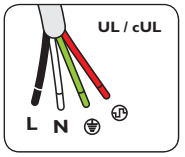
ColorReach Compact Powercore fixtures installed in parallel

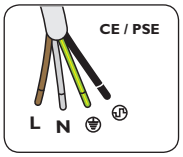
The maximum cable run from a Data Enabler Pro to any individual ColorReach Powercore fixture is 53 m (175 ft). When installing in parallel, the total cable length cannot exceed 122 m (400 ft).

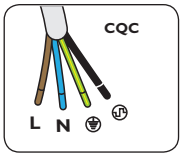
3. If necessary, remove the connector cap from the port on the back of the ColorReach Powercore housing, and insert the leader cable into the port. For UL/CE fixtures, push the cable until the connector clicks and locks in place. For CQC fixtures, turn the leader cable's lock nut to the right until it locks into place.
4. Use wire nuts to connect line, neutral, ground, and data. If installing in series, connect the leader cable from each fixture to the fixture's junction box. If installing in parallel, connect the leader cable from each fixture to the lead wire from the Data Enabler Pro in the common junction box.
5. Tuck wire connections into the junction box.
6. Seal all junction boxes with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.

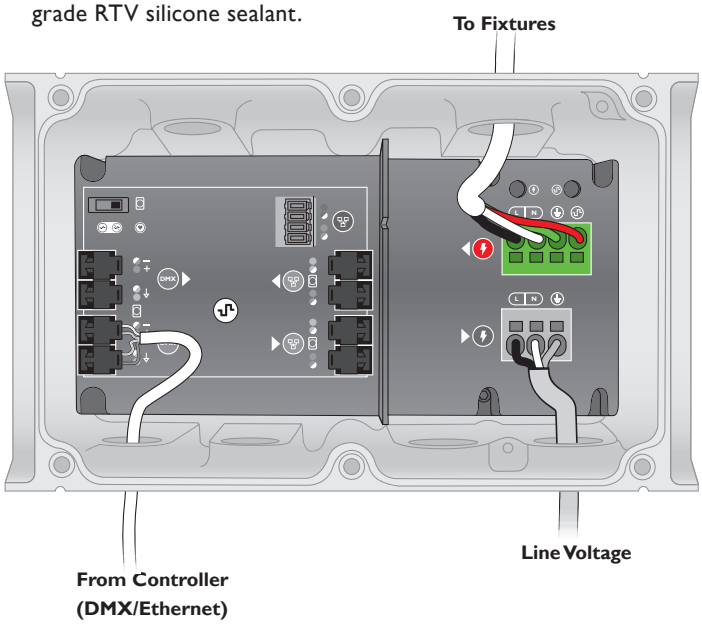


7. Run the wiring from the first junction box in the series to the Data Enabler Pro, or, if installing in parallel, run the wiring from the common junction box to the Data Enabler Pro. Secure connections within the Data Enabler Pro housing.
8. Secure the Data Enabler Pro cover. Seal the Data Enabler Pro with electronics-grade RTV silicone sealant.









Address and Configure the Fixtures

Make sure the power is ON before addressing and configuring fixtures.

ColorReach Compact Powercore fixtures use DMX addresses to communicate with controllers. The number of DMX addresses each ColorReach Compact Powercore fixture requires depends on the fixture's configuration.

ColorReach Compact Powercore fixtures operate in 8-bit mode by default. You can configure fixtures to operate in 16-bit mode, which increases resolution for smoother dimming and more precise control.

In 8-bit mode, fixtures use one DMX address per LED channel (one for red, one for green, and one for blue). In 16-bit mode, fixtures use two DMX addresses per LED channel. The first DMX address corresponds to the "coarse" data for that channel, and the second corresponds to the "fine" data. By using double the number of DMX addresses, 16-bit mode increases fixture resolution from 256 dimming steps to 65,536 (256 x 256) dimming steps.

ColorReach Compact Powercore fixtures come factory-addressed with a starting DMX address of 1. For lighting designs where fixtures work in unison, all fixtures can be assigned the same starting DMX address. Changes to the default starting DMX addresses are not necessary, but if lights were previously readdressed for use in other installations, you must reset them. For light show designs that show different colors on different fixtures, you must assign unique DMX addresses to your fixtures and sort them in a useful order.

The following table shows the DMX channel assignments for the different possible ColorReach Compact Powercore configurations, assuming a starting DMX address of 1.

DMX 3-Channel Assignments

8-Bit Mode			
Full Fixture	1	2	3
	Red	Green	Blue

16-Bit Mode						
Full Fixture	1	2	3	4	5	6
	Red	Red	Green	Green	Blue	Blue

DMX 4-Channel Assignments

8-Bit Mode				
Full Fixture	1	2	3	4
	Red	Green	Blue	White/Amber

16-Bit Mode								
Full Fixture	1	2	3	4	5	6	7	8
	Red	Red	Green	Green	Blue	Blue	White/Amber	White/Amber

Assign unique DMX addresses to fixtures, or set all fixtures to the same starting DMX address using QuickPlay Pro software. Fixtures are identified within QuickPlay Pro by serial number, so you will need the layout grid that you created when you recorded the serial numbers of your fixtures during installation planning.

- In Ethernet installations, you can you use QuickPlay Pro with a computer connected directly to a switch within the light system's network. QuickPlay Pro can automatically discover all fixtures, controllers, and Data Enabler Pro devices for quick configuration.
- In DMX installations, you can address and configure fixtures using QuickPlay Pro with iPlayer 3 or SmartJack Pro. You can manually enter fixture serial numbers, or you can import a spreadsheet listing each fixture's serial number and starting DMX address.

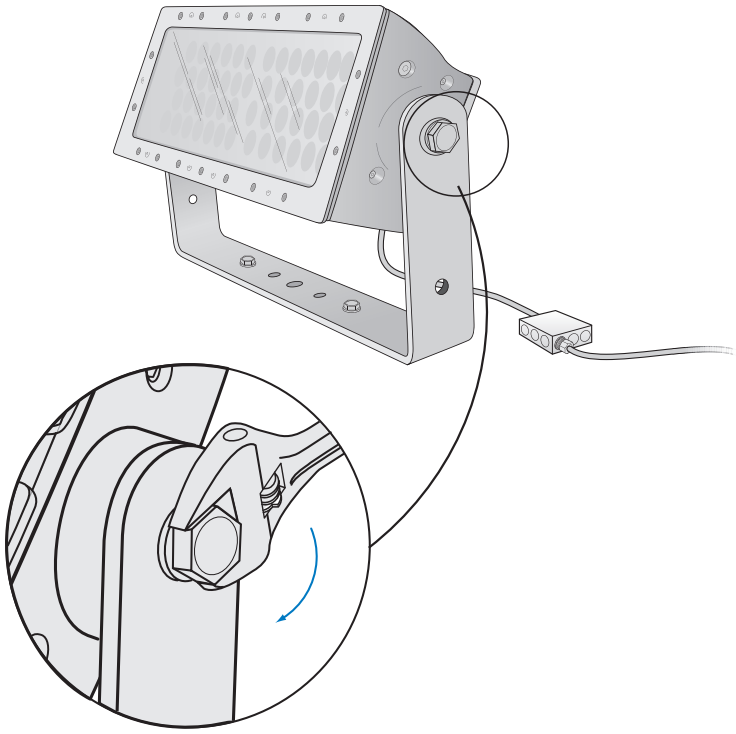
For complete details on addressing and configuration, refer to *Addressing and Configuration using QuickPlay Pro* at www.philipscolorkinetics.com/support/addressing.

You can download QuickPlay Pro from www.philipscolorkinetics.com/support/addressing/

Aim and Lock the Fixtures

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

1. Aim the fixtures by rotating each fixture to the correct angle.
2. Lock the fixtures by tightening the locking bolts using a 28 mm hex or adjustable wrench.



For exterior applications with direct exposure to water, ColorReach Compact Powercore fixtures should not be aimed directly upwards, as water may pool on the lens and affect beam quality. Instead, the fixture should be angled to allow for proper water drainage.

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