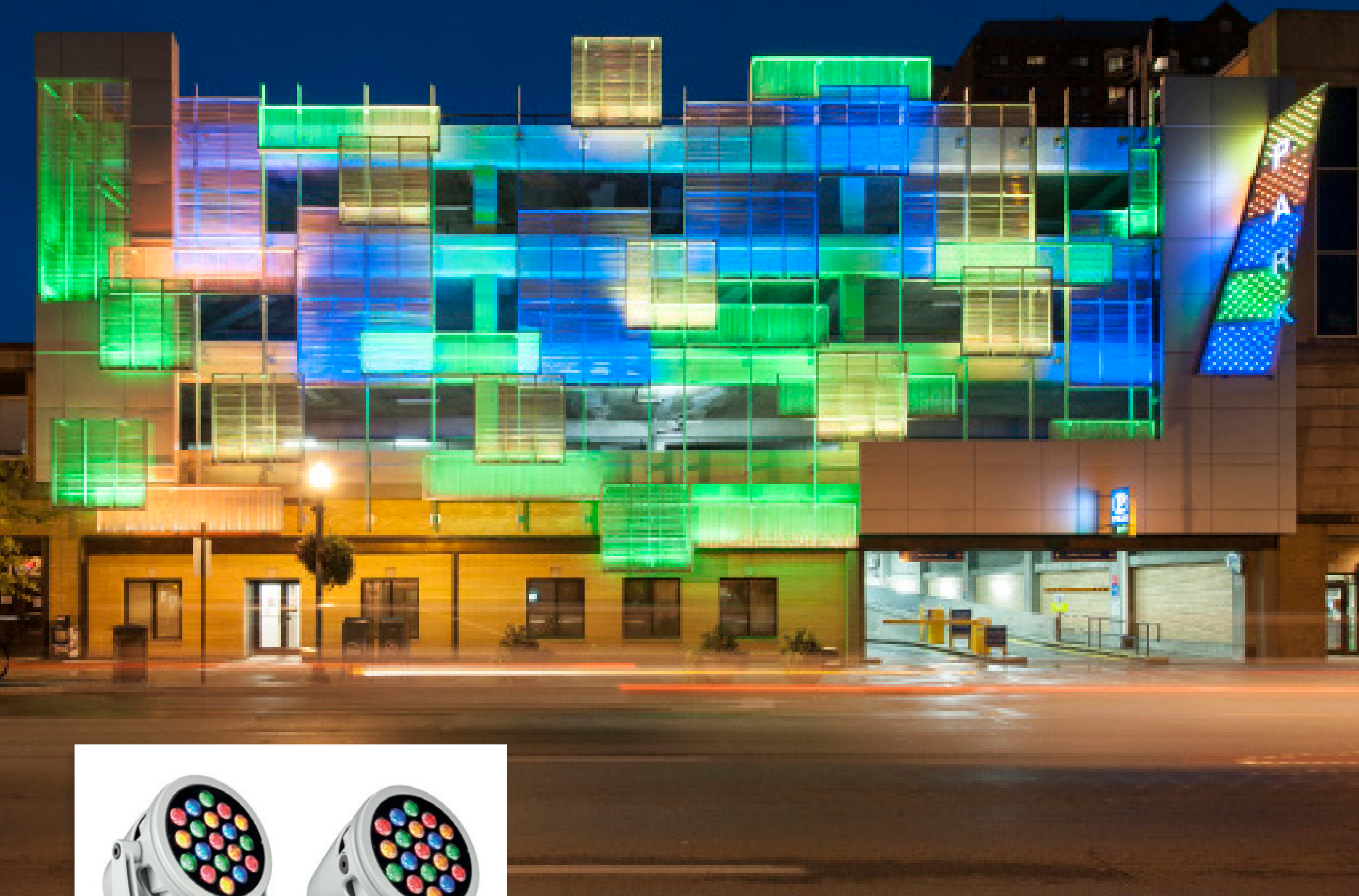


ColorBurst Powercore gen2

Architectural and landscape LED spotlight with intelligent color light

PHILIPS

COLOR KINETICS

ColorBurst Powercore gen2

Architectural and landscape LED spotlight with intelligent color light

ColorBurst Powercore gen2 is a high-output, exterior-rated LED lighting luminaire designed for accent and site lighting. Standard format Architectural and Landscape luminaires deliver full-color light output of up to 1,293 lumens to support a range of dynamic uplighting, floodlighting, and decorative lighting applications.

- Expands customization with a wide range of new Philips accessory options. In addition to the native 8° lens, six different diffuser lenses can customize the luminaire to produce 10°, 20°, 40°, 60°, 80°, and 10° x 40° (asymmetric) beam angles. Four housing color choices (black, gray, white, and bronze)—plus the option to add a louver, full glare shield, and half glare shield—create new aesthetic possibilities for designers and architects.
- Improves color consistency between all LED luminaires in a family with Chromasync technology. During the manufacturing process a calibrated light measurement device creates an algorithm to define a common color gamut for an entire family of LED luminaires. When Chromasync is enabled, color consistency between luminaires is achieved without having to manually adjust color points on each luminaire.
- Meets ASTM G85 corrosion resistance and ANSI C136.31-2010 standard with a 3G vibration rating.
- Features an innovative, redesigned optical system that improves the quality of light from each LED, enhancing the color uniformity and color mixing capabilities of each ColorBurst Powercore gen2 luminaire.
- Improves durability with new flat lens that prevents water from pooling into the luminaire, keeping the LEDs protected and secure over the course of a luminaire's lifetime.
- Integrates patented Powercore technology that controls power output to luminaires 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 luminaires over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Universal power input range of 100 to 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.

o Versions

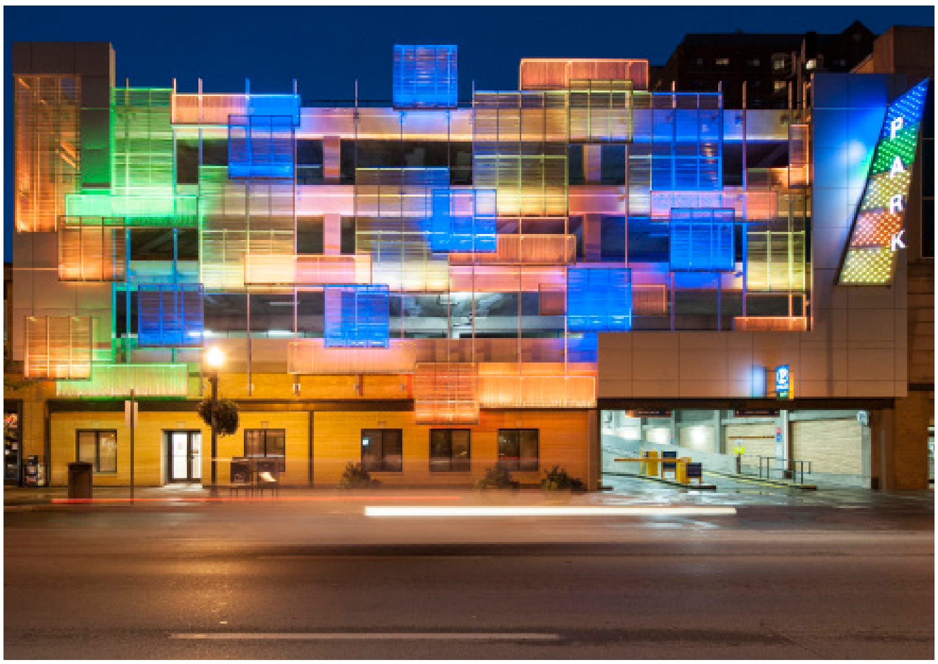
lorBurst Powercore gen2 Architectural luminaires feature an egrated yoke with canopy base for mounting to standard US junction boxes or directly to flat surfaces. ColorBurst Powercore gen2 Landscape luminaires feature a 1/2 in NPT threaded post for mounting to standard junction boxes and third-party mounting accessories.

Dynamic and Dramatic Spotlighting with ColorBurst Powercore gen2

ColorBurst Powercore gen2 is designed with a fully-sealed die-cast aluminium housing for use in exterior and wet locations. Its focused beam and ease of installation make it the perfect choice for both spotlighting and accent lighting.

Spotlight on the Helix Garage

Lexington, Kentucky, USA, is known as the "City in the Park" because it is a big city just a short distance from picturesque horse farms. Downtown Lexington offers the amenities of an urban center, such as historical monuments, sports arenas, museums, and theaters, along with small town charm.



Photography: Kris Qua

Looking to increase tourism and revitalize the area, the Lexington and Fayette County Parking Authority (LFCPA) decided to renovate a bland concrete garage on a prominent block on Main Street. The Helix Garage first underwent renovations to address the structural and safety issues of the aging edifice. Then to add visual interest and create a large scale public art installation, Philips Color Kinetics LED lighting solutions lit the decorative stainless steel panels. The Helix Garage was the first LED lighting installation commissioned by the city.

The Philips Color Kinetics LED lighting solution met the requirements for the project's green initiatives and offered the color versatility needed to add movement and variety to the project. Once installed, the luminaires would not be easily accessible so it was important that the luminaires require little to no maintenance.

This multifaceted project used a variety of Philips Color Kinetics products. Eighty ColorBurst Powercore luminaires lie along on the inside ledge of the garage ramp, roughly 1.37 m (4.5 ft) apart. On each of the street-facing metal rectangular frames, ColorGraze MX4 Powercore luminaires fill the rectangles with color. On the signage of the garage, iColor Flex LMX strands (now specified using iColor Flex LMX gen2) line the borders of the "park" letters. More iColor Flex LMX bulbs illuminate the openings in the metal panels surrounding the sign.

The Helix Garage was recently awarded the Landscape and Streetscape Award by the Downtown Lexington Corporation for "outstanding effort in maintaining a visual pleasantness to the downtown area."

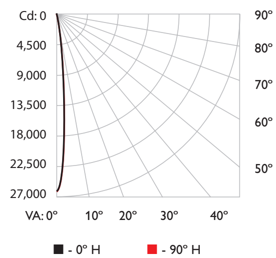
Photometrics

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

ColorBurst Powercore gen2 RGB, 8° native lens

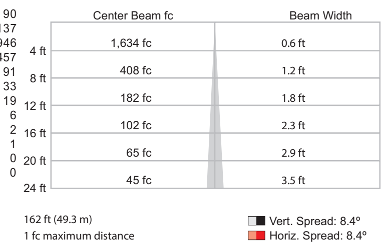
Lumens	Efficacy
963	35

Polar Candela Distribution



	0	25	45	70	90
0	26137	26137	26137	26137	26137
5	9946	9946	9946	9946	9946
15	457	457	457	457	457
25	91	91	91	91	91
35	33	33	33	33	33
45	19	19	19	19	19
55	6	6	6	6	6
65	2	2	2	2	2
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	917.0	95.4%
0-40	938.3	97.6%
0-60	958.4	99.7%
0-90	961.0	99.9%
60-90	2.6	0.3%
70-100	0.8	0.1%
90-120	0.1	0.0%
90-180	0.5	0.1%
0-180	961.5	100.0%

Coefficients Of Utilization - Zonal Cavity Method

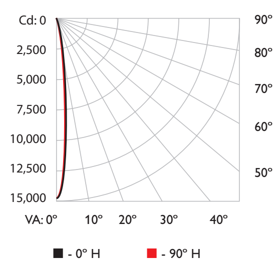
Effective Floor Cavity Reflectance: 20%

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	1.16	1.14	1.13	1.11	1.14	1.12	1.11	0.99	1.08	1.07	1.06	1.04	1.04	1.03	1.01	1.01	1.00	0.98
2	1.13	1.10	1.08	1.06	1.11	1.09	1.06	0.97	1.06	1.04	1.02	1.03	1.01	1.00	1.00	0.99	0.98	0.97
3	1.11	1.07	1.04	1.02	1.09	1.06	1.03	0.96	1.03	1.01	1.00	1.01	0.99	0.98	0.99	0.98	0.97	0.95
4	1.08	1.04	1.01	0.99	1.07	1.03	1.00	0.95	1.01	0.99	0.97	1.00	0.98	0.96	0.98	0.96	0.95	0.94
5	1.06	1.02	0.99	0.97	1.05	1.01	0.98	0.94	1.00	0.97	0.95	0.98	0.96	0.95	0.97	0.95	0.94	0.93
6	1.05	1.00	0.97	0.95	1.04	0.99	0.96	0.92	0.98	0.96	0.94	0.97	0.95	0.93	0.96	0.94	0.93	0.92
7	1.03	0.98	0.95	0.93	1.02	0.98	0.95	0.91	0.97	0.94	0.93	0.96	0.94	0.92	0.95	0.93	0.92	0.91
8	1.02	0.97	0.94	0.92	1.01	0.96	0.94	0.91	0.96	0.93	0.91	0.95	0.93	0.91	0.94	0.92	0.91	0.90
9	1.00	0.96	0.93	0.91	0.99	0.95	0.92	0.90	0.94	0.92	0.90	0.94	0.92	0.90	0.93	0.91	0.90	0.89
10	0.99	0.94	0.92	0.90	0.98	0.94	0.91	0.89	0.93	0.91	0.89	0.93	0.91	0.89	0.92	0.90	0.89	0.88

ColorBurst Powercore gen2 RGB, 10° diffuser lens

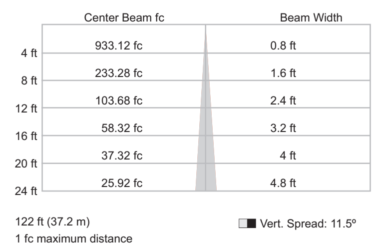
Lumens	Efficacy
872	31.7

Polar Candela Distribution



	0	25	45	65	90
0	4926	4926	4926	4926	4926
5	2526	2773	3346	4164	4795
15	211	263	480	1349	3509
25	60	76	115	317	1738
35	26	29	42	88	523
45	12	15	21	33	103
55	5	7	12	16	30
65	2	6	6	7	14
75	2	1	1	1	4
85	1	0	0	1	2
90	2	1	1	0	1

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	832.5	95.5%
0-40	853.0	97.8%
0-60	869.7	99.7%
60-90	2.1	0.2%
70-100	0.5	0.1%
90-120	0.0	0.0%
0-90	871.8	100.0%
90-180	0.4	0.0%
0-180	872.2	100.0%

Coefficients Of Utilization - Zonal Cavity Method

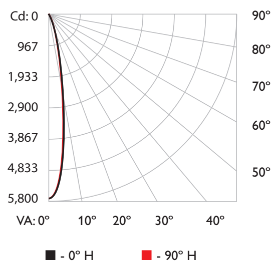
Effective Floor Cavity Reflectance: 20%

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	1.14	1.12	1.11	1.13	1.12	1.10	0.98	1.08	1.07	1.06	1.04	1.04	1.03	1.01	1.00	1.00	0.98
2	1.13	1.10	1.07	1.05	1.11	1.08	1.06	0.97	1.05	1.03	1.02	1.02	1.01	1.00	1.00	0.99	0.98	0.96
3	1.10	1.06	1.04	1.01	1.09	1.05	1.03	0.95	1.03	1.01	0.99	1.01	0.99	0.97	0.99	0.97	0.96	0.95
4	1.08	1.04	1.00	0.98	1.06	1.03	1.00	0.94	1.01	0.98	0.96	0.99	0.97	0.95	0.97	0.96	0.94	0.93
5	1.06	1.01	0.98	0.96	1.05	1.00	0.97	0.93	0.99	0.96	0.94	0.97	0.95	0.94	0.96	0.94	0.93	0.92
6	1.04	0.99	0.96	0.94	1.03	0.98	0.95	0.91	0.97	0.95	0.93	0.96	0.94	0.92	0.95	0.93	0.92	0.91
7	1.02	0.97	0.94	0.92	1.01	0.97	0.94	0.90	0.96	0.93	0.91	0.95	0.92	0.91	0.94	0.92	0.90	0.90
8	1.00	0.96	0.92	0.90	1.00	0.95	0.92	0.89	0.94	0.92	0.90	0.94	0.91	0.90	0.93	0.91	0.89	0.88
9	0.99	0.94	0.91	0.89	0.98	0.94	0.91	0.88	0.93	0.90	0.89	0.92	0.90	0.88	0.92	0.90	0.88	0.87
10	0.98	0.93	0.90	0.88	0.97	0.92	0.90	0.87	0.92	0.89	0.88	0.91	0.89	0.87	0.91	0.89	0.87	0.87

ColorBurst Powercore gen2 RGB, 20° diffuser lens

Lumens	Efficacy
856	31

Polar Candela Distribution



	0	25	45	65
0	5724	5724	5724	5724
5	4684	4684	4684	4684
15	1134	1134	1134	1134
25	154	154	154	154
35	40	40	40	40
45	17	17	17	17
55	8	8	8	8
65	3	3	3	3
75	1	1	1	1
85	0	0	0	0
90	0	0	0	0

Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	357.78 fc	1.3 ft
8 ft	89.44 fc	2.7 ft
12 ft	39.75 fc	4 ft
16 ft	22.36 fc	5.3 ft
20 ft	14.31 fc	6.7 ft
24 ft	9.94 fc	8 ft

75.5 ft (23 m)
1 fc maximum distance

Vert. Spread: 18.9º

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	783.7	93.8%
0-40	810.1	97.0%
0-60	830.3	99.4%
60-90	4.5	0.5%
70-100	1.4	0.2%
90-120	0.1	0.0%
0-90	834.8	99.9%
90-180	0.4	0.1%
0-180	835.2	100.0%

Coefficients Of Utilization - Zonal Cavity Method

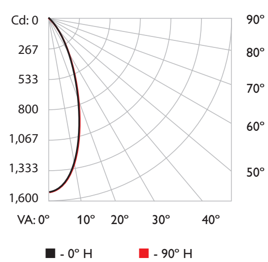
Effective Floor Cavity Reflectance: 20%

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	1.15	1.13	1.11	1.10	1.13	1.11	1.09	0.97	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.99	0.97
2	1.12	1.08	1.05	1.03	1.10	1.06	1.04	0.94	1.03	1.01	0.99	1.00	0.99	0.97	0.98	0.97	0.95	0.94
3	1.08	1.04	1.00	0.98	1.07	1.03	0.99	0.92	1.00	0.97	0.95	0.98	0.96	0.94	0.96	0.94	0.93	0.91
4	1.05	1.00	0.96	0.93	1.04	0.99	0.96	0.89	0.97	0.94	0.92	0.95	0.93	0.91	0.94	0.92	0.90	0.89
5	1.02	0.97	0.93	0.90	1.01	0.96	0.92	0.87	0.94	0.91	0.89	0.93	0.90	0.88	0.92	0.89	0.88	0.86
6	1.00	0.94	0.90	0.87	0.99	0.93	0.90	0.85	0.92	0.89	0.86	0.91	0.88	0.86	0.90	0.87	0.85	0.84
7	0.97	0.91	0.87	0.85	0.96	0.91	0.87	0.83	0.90	0.86	0.84	0.89	0.86	0.84	0.88	0.85	0.83	0.82
8	0.95	0.89	0.85	0.82	0.94	0.88	0.85	0.81	0.88	0.84	0.82	0.87	0.84	0.82	0.86	0.83	0.81	0.80
9	0.93	0.87	0.83	0.80	0.92	0.86	0.83	0.80	0.86	0.82	0.80	0.85	0.82	0.80	0.84	0.82	0.80	0.79
10	0.91	0.85	0.81	0.79	0.90	0.84	0.81	0.78	0.84	0.81	0.78	0.83	0.80	0.78	0.83	0.80	0.78	0.77

ColorBurst Powercore gen2 RGB, 40° diffuser lens

Lumens	Efficacy
835	30

Polar Candela Distribution



	0	25	45	70	90
0	1522	1522	1522	1522	1522
5	1457	1457	1457	1457	1457
15	1038	1038	1038	1038	1038
25	519	519	519	519	519
35	176	176	176	176	176
45	48	48	48	48	48
55	17	17	17	17	17
65	7	7	7	7	7
75	2	2	2	2	2
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	95 fc	2.9 ft
8 ft	24 fc	5.9 ft
12 ft	11 fc	8.8 ft
16 ft	6 fc	11.8 ft
20 ft	4 fc	14.7 ft
24 ft	3 fc	17.6 ft

39 ft (11.9 m)
1 fc maximum distance

Vert. Spread: 40.4º
Horiz. Spread: 40.4º

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	656.2	78.6%
0-40	769.2	92.1%
0-60	824.0	98.7%
0-90	834.5	100.0%
60-90	10.5	1.3%
70-100	3.3	0.4%
90-120	0.1	0.0%
90-180	0.4	0.0%
0-180	834.8	100.0%

Coefficients Of Utilization - Zonal Cavity Method

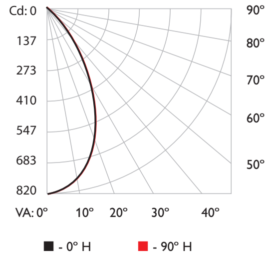
Effective Floor Cavity Reflectance: 20%

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	1.14	1.11	1.09	1.07	1.11	1.09	1.07	0.94	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.09	1.04	1.00	0.97	1.06	1.02	0.99	0.89	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.88
3	1.04	0.97	0.93	0.89	1.02	0.96	0.92	0.84	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.86	0.84	0.83
4	0.99	0.92	0.87	0.83	0.97	0.91	0.86	0.79	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
5	0.94	0.87	0.81	0.77	0.93	0.86	0.81	0.74	0.84	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.73
6	0.90	0.82	0.76	0.72	0.89	0.81	0.76	0.70	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.69
7	0.86	0.78	0.72	0.68	0.85	0.77	0.72	0.67	0.76	0.71	0.68	0.75	0.70	0.67	0.73	0.70	0.67	0.66
8	0.83	0.74	0.68	0.64	0.81	0.73	0.68	0.63	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.62
9	0.79	0.70	0.65	0.61	0.78	0.70	0.65	0.60	0.69	0.64	0.61	0.68	0.64	0.61	0.67	0.63	0.60	0.59
10	0.76	0.67	0.62	0.58	0.75	0.67	0.62	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.56

ColorBurst Powercore gen2
RGB, 60° diffuser lens

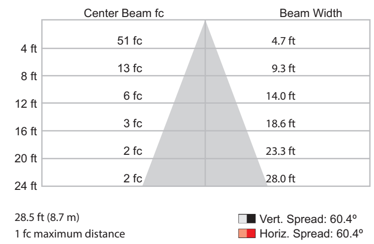
Lumens	Efficacy
825	30

Polar Candela Distribution



	0	25	45	70	90
0	811	811	811	811	811
5	799	799	799	799	799
15	706	706	706	706	706
25	525	525	525	525	525
35	293	293	293	293	293
45	108	108	108	108	108
55	30	30	30	30	30
65	10	10	10	10	10
75	3	3	3	3	3
85	1	1	1	1	1
90	1	1	1	1	1

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	510.8	61.9%
0-40	693.0	84.0%
0-60	808.1	98.0%
0-90	824.1	99.9%
60-90	16.0	1.9%
70-100	5.6	0.7%

Coefficients Of Utilization - Zonal Cavity Method

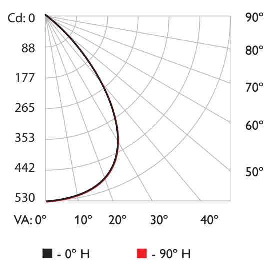
Effective Floor Cavity Reflectance: 20%

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	1.07	1.01	0.97	0.93	1.04	1.00	0.96	0.85	0.96	0.93	0.90	0.93	0.91	0.88	0.91	0.88	0.86	0.85
3	1.01	0.94	0.88	0.84	0.99	0.92	0.87	0.79	0.90	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.79	0.78
4	0.95	0.87	0.81	0.76	0.93	0.86	0.80	0.73	0.83	0.79	0.75	0.81	0.77	0.74	0.79	0.76	0.73	0.71
5	0.90	0.81	0.74	0.70	0.88	0.80	0.74	0.67	0.78	0.73	0.69	0.76	0.72	0.68	0.74	0.71	0.67	0.66
6	0.85	0.75	0.69	0.64	0.83	0.74	0.68	0.62	0.73	0.67	0.63	0.71	0.67	0.63	0.70	0.66	0.62	0.61
7	0.80	0.70	0.64	0.59	0.79	0.70	0.63	0.58	0.68	0.63	0.59	0.67	0.62	0.58	0.66	0.61	0.58	0.57
8	0.76	0.66	0.59	0.55	0.75	0.65	0.59	0.54	0.64	0.58	0.55	0.63	0.58	0.54	0.62	0.57	0.54	0.53
9	0.72	0.62	0.55	0.51	0.71	0.61	0.55	0.50	0.60	0.55	0.51	0.59	0.54	0.51	0.58	0.54	0.51	0.49
10	0.68	0.58	0.52	0.48	0.67	0.58	0.52	0.47	0.57	0.51	0.48	0.56	0.51	0.47	0.55	0.51	0.47	0.46

ColorBurst Powercore gen2
RGB, 80° diffuser lens

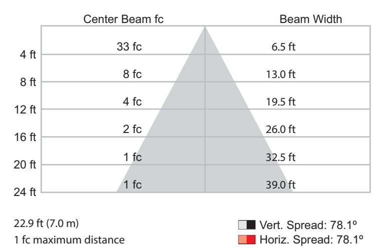
Lumens	Efficacy
814	30

Polar Candela Distribution



	0	25	45	70	90
0	525	525	525	525	525
5	524	524	524	524	524
15	515	515	515	515	515
25	465	465	465	465	465
35	335	335	335	335	335
45	163	163	163	163	163
55	53	53	53	53	53
65	16	16	16	16	16
75	5	5	5	5	5
85	1	1	1	1	1
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	407.3	50.0%
0-40	613.8	75.4%
0-60	790.7	97.1%
0-90	813.9	99.9%
60-90	23.2	2.8%
70-100	6.8	0.8%
90-120	0.3	0.0%
90-180	0.5	0.1%
0-180	814.3	100.0%

Coefficients Of Utilization - Zonal Cavity Method

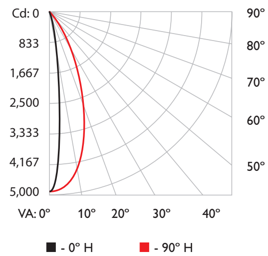
Effective Floor Cavity Reflectance: 20%

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	1.12	1.09	1.06	1.03	1.10	1.07	1.04	0.92	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.91
2	1.05	1.00	0.95	0.91	1.03	0.98	0.93	0.83	0.94	0.91	0.88	0.91	0.88	0.86	0.88	0.86	0.84	0.82
3	0.99	0.91	0.85	0.80	0.96	0.89	0.84	0.75	0.87	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.74
4	0.92	0.83	0.77	0.72	0.90	0.82	0.76	0.68	0.80	0.74	0.70	0.78	0.73	0.69	0.76	0.72	0.69	0.67
5	0.86	0.76	0.70	0.64	0.85	0.75	0.69	0.62	0.74	0.68	0.63	0.72	0.67	0.63	0.70	0.66	0.62	0.61
6	0.81	0.70	0.63	0.58	0.79	0.70	0.63	0.57	0.68	0.62	0.58	0.66	0.61	0.57	0.65	0.60	0.57	0.55
7	0.76	0.65	0.58	0.53	0.75	0.64	0.58	0.52	0.63	0.57	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.50
8	0.72	0.60	0.53	0.49	0.70	0.60	0.53	0.48	0.59	0.53	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.46
9	0.67	0.56	0.49	0.45	0.66	0.56	0.49	0.44	0.55	0.49	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.42
10	0.64	0.52	0.46	0.41	0.63	0.52	0.46	0.41	0.51	0.45	0.41	0.50	0.45	0.41	0.49	0.44	0.41	0.39

ColorBurst Powercore gen2 RGB, 10° x 40° asymmetric lens

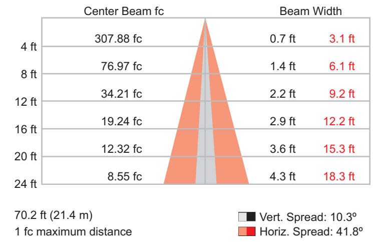
Lumens	Efficacy
840	31

Polar Candela Distribution



	0	25	45	65	90
0	4926	4926	4926	4926	4926
5	2526	2773	3346	4164	4795
15	211	263	480	1349	3509
25	60	76	115	317	1738
35	26	29	42	88	523
45	12	15	21	33	103
55	5	7	12	16	30
65	2	6	6	7	14
75	2	1	1	1	4
85	1	0	0	1	2
90	2	1	1	0	1

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	737.0	86.6%
0-40	804.8	94.6%
0-60	841.3	98.9%
60-90	9.2	1.1%
70-100	3.6	0.4%
90-120	0.0	0.0%

Coefficients Of Utilization - Zonal Cavity Method

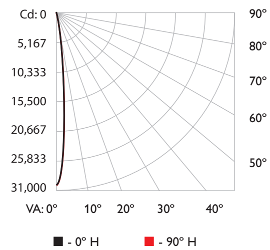
Effective Floor Cavity Reflectance: 20%

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	1.10	1.08	1.12	1.10	1.08	0.96	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.10	1.06	1.03	1.00	1.08	1.04	1.01	0.92	1.01	0.99	0.97	0.98	0.96	0.95	0.96	0.94	0.93	0.91
3	1.06	1.01	0.97	0.94	1.04	0.99	0.96	0.88	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.89	0.87
4	1.02	0.96	0.92	0.88	1.01	0.95	0.91	0.84	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.84
5	0.99	0.92	0.87	0.84	0.97	0.91	0.87	0.81	0.89	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.82	0.80
6	0.95	0.88	0.84	0.80	0.94	0.88	0.83	0.78	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.77
7	0.92	0.85	0.80	0.77	0.91	0.84	0.80	0.75	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.76	0.75
8	0.89	0.82	0.77	0.74	0.88	0.81	0.77	0.73	0.80	0.76	0.74	0.79	0.76	0.73	0.79	0.75	0.73	0.72
9	0.87	0.79	0.75	0.71	0.86	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
10	0.84	0.77	0.72	0.69	0.83	0.76	0.72	0.68	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68

ColorBurst Powercore gen2 RGBA, 8° native lens

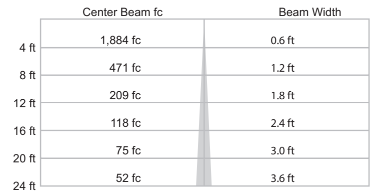
Lumens	Efficacy
1,151	36

Polar Candela Distribution



	0	25	45	70	90
0	30149	30149	30149	30149	30149
5	12068	12068	12068	12068	12068
15	559	559	559	559	559
25	105	105	105	105	105
35	42	42	42	42	42
45	20	20	20	20	20
55	7	7	7	7	7
65	2	2	2	2	2
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



174 ft (53.0 m)
1 fc maximum distance

Vert. Spread: 8.6°
Horiz. Spread: 8.6°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1,101.3	95.5%
0-40	1,128.1	97.8%
0-60	1,150.0	99.7%
0-90	1,152.6	100.0%
60-90	2.6	0.2%
70-100	0.7	0.1%
90-120	0.0	0.0%
90-180	0.5	0.0%
0-180	1,153.1	100.0%

Coefficients Of Utilization - Zonal Cavity Method

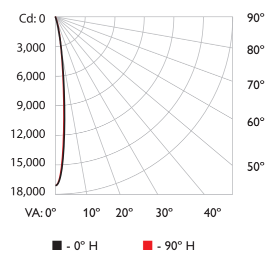
Effective Floor Cavity Reflectance: 20%

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	1.13	1.11	1.14	1.12	1.11	0.99	1.08	1.07	1.06	1.05	1.04	1.03	1.01	1.01	1.00	0.98
2	1.13	1.10	1.08	1.06	1.11	1.09	1.06	0.97	1.06	1.04	1.02	1.03	1.01	1.00	1.00	0.99	0.98	0.97
3	1.11	1.07	1.04	1.02	1.09	1.06	1.03	0.96	1.03	1.01	1.00	1.01	1.00	0.98	0.99	0.98	0.97	0.96
4	1.08	1.04	1.01	0.99	1.07	1.03	1.01	0.95	1.01	0.99	0.97	1.00	0.98	0.96	0.98	0.97	0.95	0.94
5	1.07	1.02	0.99	0.97	1.05	1.01	0.98	0.94	1.00	0.97	0.96	0.98	0.96	0.95	0.97	0.95	0.94	0.93
6	1.05	1.00	0.97	0.95	1.04	1.00	0.97	0.93	0.98	0.96	0.94	0.97	0.95	0.93	0.96	0.94	0.93	0.92
7	1.03	0.98	0.95	0.93	1.02	0.98	0.95	0.92	0.97	0.94	0.93	0.96	0.94	0.92	0.95	0.93	0.92	0.91
8	1.02	0.97	0.94	0.92	1.01	0.97	0.94	0.91	0.96	0.93	0.92	0.95	0.93	0.91	0.94	0.92	0.91	0.90
9	1.00	0.96	0.93	0.91	1.00	0.95	0.93	0.90	0.95	0.92	0.91	0.94	0.92	0.90	0.93	0.91	0.90	0.89
10	0.99	0.95	0.92	0.90	0.99	0.94	0.92	0.89	0.94	0.91	0.90	0.93	0.91	0.89	0.93	0.91	0.89	0.89

ColorBurst Powercore gen2 RGBA, 10° diffuser lens

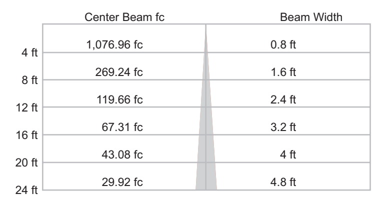
Lumens	Efficacy
1,007	31.4

Polar Candela Distribution



	0	25	45	65	90
0	17231	17231	17231	17231	17231
5	9831	9831	9831	9831	9831
15	608	608	608	608	608
25	113	113	113	113	113
35	44	44	44	44	44
45	20	20	20	20	20
55	7	7	7	7	7
65	3	3	3	3	3
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



131 ft (40 m)
1 fc maximum distance

Vert. Spread: 11.4°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	952.3	94.5%
0-40	980.4	97.3%
0-60	1003.0	99.6%
60-90	3.9	0.4%
70-100	1.3	0.1%
90-120	0.1	0.0%
0-90	1006.9	99.9%
90-180	0.5	0.1%
0-180	1007.4	100.0%

Coefficients Of Utilization - Zonal Cavity Method

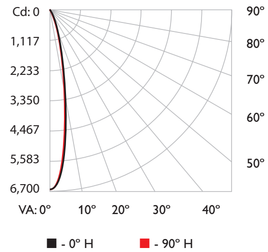
Effective Floor Cavity Reflectance: 20%

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	1.16	1.14	1.12	1.11	1.13	1.12	1.10	0.98	1.08	1.07	1.06	1.04	1.03	1.03	1.01	1.00	1.00	0.98
2	1.13	1.10	1.07	1.05	1.11	1.08	1.06	0.97	1.05	1.03	1.02	1.02	1.01	1.00	1.00	0.98	0.98	0.96
3	1.10	1.06	1.03	1.01	1.08	1.05	1.02	0.95	1.03	1.00	0.99	1.00	0.99	0.97	0.98	0.97	0.96	0.94
4	1.08	1.03	1.00	0.98	1.06	1.02	0.99	0.93	1.00	0.98	0.96	0.99	0.97	0.95	0.97	0.95	0.94	0.93
5	1.05	1.01	0.97	0.95	1.04	1.00	0.97	0.92	0.98	0.96	0.94	0.97	0.95	0.93	0.96	0.94	0.92	0.91
6	1.03	0.99	0.95	0.93	1.02	0.98	0.95	0.91	0.97	0.94	0.92	0.96	0.93	0.92	0.94	0.93	0.91	0.90
7	1.02	0.97	0.93	0.91	1.01	0.96	0.93	0.90	0.95	0.92	0.91	0.94	0.92	0.90	0.93	0.91	0.90	0.89
8	1.00	0.95	0.92	0.90	0.99	0.95	0.92	0.88	0.94	0.91	0.89	0.93	0.91	0.89	0.92	0.90	0.89	0.88
9	0.99	0.93	0.90	0.88	0.98	0.93	0.90	0.87	0.92	0.90	0.88	0.92	0.89	0.88	0.91	0.89	0.88	0.87
10	0.97	0.92	0.89	0.87	0.96	0.92	0.89	0.86	0.91	0.89	0.87	0.91	0.88	0.87	0.90	0.88	0.87	0.86

ColorBurst Powercore gen2
RGBA, 20° diffuser lens

Lumens	Efficacy
1,009	32

Polar Candela Distribution



	0	25	45	65	90
0	6690	6690	6690	6690	6690
5	5501	5501	5501	5501	5501
15	1323	1323	1323	1323	1323
25	187	187	187	187	187
35	53	53	53	53	53
45	23	23	23	23	23
55	11	11	11	11	11
65	4	4	4	4	4
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	418.13 fc	1.3 ft
8 ft	405.53 fc	2.7 ft
12 ft	46.46 fc	4 ft
16 ft	26.13 fc	5.4 ft
20 ft	16.73 fc	6.7 ft
24 ft	11.61 fc	8.1 ft

81.7 ft (25 m)
1 fc maximum distance

Vert. Spread: 19.1°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	921.0	93%
0-40	955.5	96.50%
0-60	983.3	99.30%
60-90	6.4	0.60%
70-100	2.1	0.20%
90-120	0.1	0%
0-90	989.7	99.90%
90-180	0.5	0.10%
0-180	990.3	100%

Coefficients Of Utilization - Zonal Cavity Method

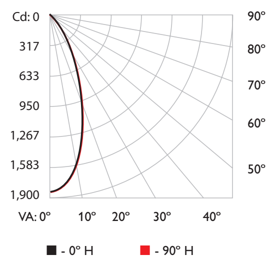
Effective Floor Cavity Reflectance: 20%

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	1.15	1.13	1.11	1.10	1.13	1.11	1.09	0.97	1.07	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97
2	1.11	1.08	1.05	1.03	1.09	1.06	1.04	0.94	1.03	1.01	0.99	1.00	0.99	0.97	0.98	0.96	0.95	0.94
3	1.08	1.04	1.00	0.97	1.06	1.02	0.99	0.92	1.00	0.97	0.95	0.98	0.95	0.94	0.95	0.94	0.92	0.91
4	1.05	1.00	0.96	0.93	1.03	0.99	0.95	0.89	0.97	0.94	0.92	0.95	0.92	0.91	0.93	0.91	0.90	0.88
5	1.02	0.96	0.93	0.90	1.01	0.96	0.92	0.87	0.94	0.91	0.89	0.93	0.90	0.88	0.91	0.89	0.87	0.86
6	0.99	0.94	0.90	0.87	0.98	0.93	0.89	0.85	0.92	0.88	0.86	0.90	0.87	0.85	0.89	0.87	0.85	0.84
7	0.97	0.91	0.87	0.84	0.96	0.90	0.87	0.83	0.89	0.86	0.84	0.88	0.85	0.83	0.87	0.85	0.83	0.82
8	0.95	0.88	0.85	0.82	0.94	0.88	0.84	0.81	0.87	0.84	0.81	0.86	0.83	0.81	0.85	0.83	0.81	0.80
9	0.92	0.86	0.82	0.80	0.92	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.79	0.84	0.81	0.79	0.78
10	0.90	0.84	0.80	0.78	0.90	0.84	0.80	0.77	0.83	0.80	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.77

ColorBurst Powercore gen2
RGBA, 40° diffuser lens

Lumens	Efficacy
1,004	31

Polar Candela Distribution



	0	25	45	70	90
0	1833	1833	1833	1833	1833
5	1755	1755	1755	1755	1755
15	1251	1251	1251	1251	1251
25	621	621	621	621	621
35	207	207	207	207	207
45	57	57	57	57	57
55	20	20	20	20	20
65	9	9	9	9	9
75	3	3	3	3	3
85	1	1	1	1	1
90	0	0	0	0	0

Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	115 fc	2.9 ft
8 ft	29 fc	5.9 ft
12 ft	13 fc	8.8 ft
16 ft	7 fc	11.7 ft
20 ft	5 fc	14.7 ft
24 ft	3 fc	17.6 ft

42.9 ft (13.1 m)
1 fc maximum distance

Vert. Spread: 40.3°
Horiz. Spread: 40.3°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	789.2	78.6%
0-40	924.2	92.1%
0-60	990.0	98.7%
0-90	1,003.3	100.0%
60-90	13.3	1.3%
70-100	4.4	0.4%
90-120	0.1	0.0%
90-180	0.1	0.0%
0-180	1,003.4	100.0%

Coefficients Of Utilization - Zonal Cavity Method

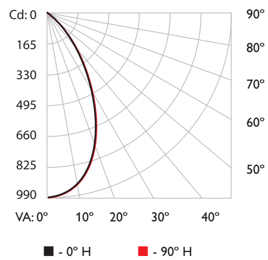
Effective Floor Cavity Reflectance: 20%

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	1.15	1.13	1.11	1.10	1.13	1.11	1.09	0.97	1.07	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97
2	1.11	1.08	1.05	1.03	1.09	1.06	1.04	0.94	1.03	1.01	0.99	1.00	0.99	0.97	0.98	0.96	0.95	0.94
3	1.08	1.04	1.00	0.97	1.06	1.02	0.99	0.92	1.00	0.97	0.95	0.98	0.95	0.94	0.95	0.94	0.92	0.91
4	1.05	1.00	0.96	0.93	1.03	0.99	0.95	0.89	0.97	0.94	0.92	0.95	0.92	0.91	0.93	0.91	0.90	0.88
5	1.02	0.96	0.93	0.90	1.01	0.96	0.92	0.87	0.94	0.91	0.89	0.93	0.90	0.88	0.91	0.89	0.87	0.86
6	0.99	0.94	0.90	0.87	0.98	0.93	0.89	0.85	0.92	0.88	0.86	0.90	0.87	0.85	0.89	0.87	0.85	0.84
7	0.97	0.91	0.87	0.84	0.96	0.90	0.87	0.83	0.89	0.86	0.84	0.88	0.85	0.83	0.87	0.85	0.83	0.82
8	0.95	0.88	0.85	0.82	0.94	0.88	0.84	0.81	0.87	0.84	0.81	0.86	0.83	0.81	0.85	0.83	0.81	0.80
9	0.92	0.86	0.82	0.80	0.92	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.79	0.84	0.81	0.79	0.78
10	0.90	0.84	0.80	0.78	0.90	0.84	0.80	0.77	0.83	0.80	0.78	0.83	0.80	0.78	0.82	0.79	0.77	0.77

ColorBurst Powercore gen2
RGBA, 60° diffuser lens

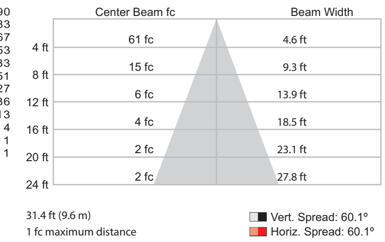
Lumens	Efficacy
991	31

Polar Candela Distribution



	0	25	45	70	90
0	983	983	983	983	983
5	967	967	967	967	967
15	853	853	853	853	853
25	633	633	633	633	633
35	351	351	351	351	351
45	127	127	127	127	127
55	36	36	36	36	36
65	13	13	13	13	13
75	4	4	4	4	4
85	1	1	1	1	1
90	1	1	1	1	1

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	616.8	62.2%
0-40	834.7	84.2%
0-60	970.7	98.0%
0-90	990.4	100.0%
60-90	19.7	2.0%
70-100	7.0	0.7%
90-120	0.4	0.0%
90-180	0.4	0.0%
0-180	990.8	100.0%

Coefficients Of Utilization - Zonal Cavity Method

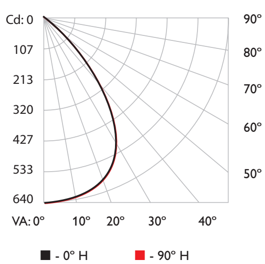
Effective Floor Cavity Reflectance: 20%

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96
2	111	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	102	98	95	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	100	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79
7	93	86	82	79	92	86	82	79	85	81	78	84	80	78	83	80	77	76
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74
9	88	81	77	74	87	81	76	74	80	76	73	79	76	73	78	75	73	72
10	86	79	74	71	85	78	74	71	77	74	71	77	73	71	76	73	71	70

ColorBurst Powercore gen2
RGBA, 80° diffuser lens

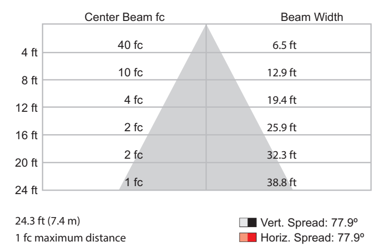
Lumens	Efficacy
979	31

Polar Candela Distribution



	0	25	45	70	90
0	638	638	638	638	638
5	637	637	637	637	637
15	623	623	623	623	623
25	561	561	561	561	561
35	403	403	403	403	403
45	194	194	194	194	194
55	63	63	63	63	63
65	19	19	19	19	19
75	6	6	6	6	6
85	1	1	1	1	1
90	1	1	1	1	1

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	492.5	50.3%
0-40	741.2	75.7%
0-60	950.6	97.1%
0-90	978.6	100.0%
60-90	28.1	2.9%
70-100	8.5	0.9%
90-120	0.3	0.0%
90-180	0.3	0.0%
0-180	978.9	100.0%

Coefficients Of Utilization - Zonal Cavity Method

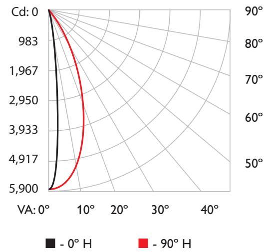
Effective Floor Cavity Reflectance: 20%

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	1.12	1.09	1.06	1.04	1.10	1.07	1.04	0.92	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.91
2	1.05	1.00	0.95	0.91	1.03	0.98	0.93	0.83	0.94	0.91	0.88	0.91	0.88	0.86	0.89	0.86	0.84	0.82
3	0.99	0.91	0.85	0.80	0.97	0.90	0.84	0.75	0.87	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.74
4	0.92	0.83	0.77	0.72	0.90	0.82	0.76	0.68	0.80	0.75	0.70	0.78	0.73	0.70	0.76	0.72	0.69	0.67
5	0.87	0.77	0.70	0.65	0.85	0.76	0.69	0.62	0.74	0.68	0.64	0.72	0.67	0.63	0.70	0.66	0.62	0.61
6	0.81	0.71	0.64	0.58	0.80	0.70	0.63	0.57	0.68	0.62	0.58	0.67	0.61	0.57	0.65	0.61	0.57	0.55
7	0.76	0.65	0.58	0.53	0.75	0.65	0.58	0.52	0.63	0.57	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.50
8	0.72	0.61	0.54	0.49	0.70	0.60	0.53	0.48	0.59	0.53	0.48	0.58	0.52	0.48	0.57	0.52	0.48	0.46
9	0.68	0.56	0.49	0.45	0.66	0.56	0.49	0.44	0.55	0.49	0.45	0.54	0.48	0.44	0.53	0.48	0.44	0.43
10	0.64	0.53	0.46	0.41	0.63	0.52	0.46	0.41	0.51	0.45	0.41	0.50	0.45	0.41	0.50	0.45	0.41	0.39

ColorBurst Powercore gen2
RGBA, 10° x 40° asymmetric lens

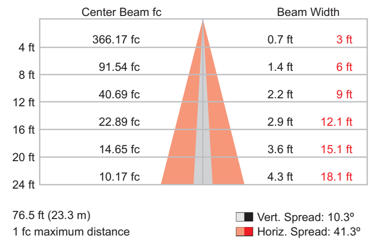
Lumens	Efficacy
1,009	32

Polar Candela Distribution



	0	25	45	65	90
0	5859	5859	5859	5859	5859
5	3000	3318	4010	4972	5711
15	271	330	586	1615	4140
25	77	96	147	372	2027
35	33	37	55	110	607
45	15	19	26	43	124
55	7	8	14	20	37
65	3	4	6	8	16
75	1	1	2	3	5
85	1	0	0	0	1
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	877.5	86.5%
0-40	958.5	94.5%
0-60	1003.8	99.0%
60-90	10.0	1.0%
70-100	3.2	0.3%
90-120	0.0	0.0%
0-90	1013.9	100.0%
90-180	0.0	0.0%
0-180	1013.9	100.0%

Coefficients Of Utilization - Zonal Cavity Method

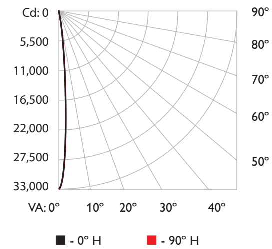
Effective Floor Cavity Reflectance: 20%

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	1.15	1.12	1.10	1.08	1.12	1.10	1.08	0.96	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.10	1.06	1.03	1.00	1.08	1.04	1.01	0.92	1.01	0.99	0.97	0.98	0.96	0.95	0.96	0.94	0.93	0.91
3	1.06	1.01	0.97	0.94	1.04	0.99	0.96	0.88	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.89	0.87
4	1.02	0.96	0.92	0.88	1.01	0.95	0.91	0.84	0.93	0.90	0.87	0.91	0.88	0.86	0.89	0.87	0.85	0.84
5	0.99	0.92	0.87	0.84	0.97	0.91	0.87	0.81	0.89	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.82	0.80
6	0.95	0.88	0.84	0.80	0.94	0.88	0.83	0.78	0.86	0.82	0.79	0.85	0.82	0.79	0.84	0.81	0.78	0.77
7	0.92	0.85	0.80	0.77	0.91	0.84	0.80	0.75	0.83	0.79	0.76	0.82	0.79	0.76	0.81	0.78	0.76	0.75
8	0.89	0.82	0.77	0.74	0.88	0.81	0.77	0.73	0.80	0.76	0.74	0.79	0.76	0.73	0.79	0.75	0.73	0.72
9	0.87	0.79	0.75	0.71	0.86	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.71	0.70
10	0.84	0.77	0.72	0.69	0.83	0.76	0.72	0.68	0.75	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68

ColorBurst Powercore gen2 RGBW, 8° native lens

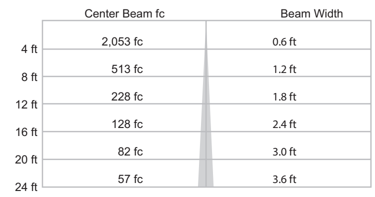
Lumens	Efficacy
1,293	40

Polar Candela Distribution



	0	25	45	70	90
0	32843	32843	32843	32843	32843
5	13033	13033	13033	13033	13033
15	660	660	660	660	660
25	129	129	129	129	129
35	50	50	50	50	50
45	23	23	23	23	23
55	7	7	7	7	7
65	2	2	2	2	2
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



181 ft (55.2 m)
1 fc maximum distance

Vert. Spread: 8.5°
Horiz. Spread: 8.5°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1,236.5	95.5%
0-40	1,267.7	97.9%
0-60	1,292.2	99.8%
0-90	1,294.9	100.0%
60-90	2.7	0.2%
70-100	0.7	0.1%
90-120	0.0	0.0%
90-180	0.5	0.0%
0-180	1,295.4	100.0%

Coefficients Of Utilization - Zonal Cavity Method

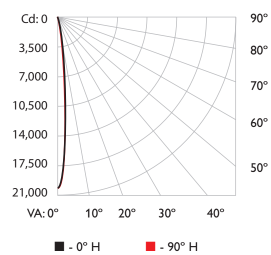
Effective Floor Cavity Reflectance: 20%

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	1.16	1.14	1.13	1.11	1.14	1.12	1.11	0.99	1.08	1.07	1.06	1.04	1.04	1.03	1.01	1.01	1.00	0.98
2	1.13	1.10	1.08	1.06	1.11	1.09	1.06	0.97	1.05	1.04	1.02	1.03	1.01	1.00	1.00	0.99	0.98	0.97
3	1.11	1.07	1.04	1.02	1.09	1.06	1.03	0.96	1.03	1.01	0.99	1.01	0.99	0.98	0.99	0.98	0.96	0.95
4	1.08	1.04	1.01	0.99	1.07	1.03	1.00	0.94	1.01	0.99	0.97	0.99	0.98	0.96	0.98	0.96	0.95	0.94
5	1.06	1.02	0.99	0.96	1.05	1.01	0.98	0.93	0.99	0.97	0.95	0.98	0.96	0.94	0.97	0.95	0.94	0.93
6	1.04	1.00	0.97	0.94	1.03	0.99	0.96	0.92	0.98	0.95	0.94	0.97	0.95	0.93	0.96	0.94	0.92	0.92
7	1.03	0.98	0.95	0.93	1.02	0.98	0.95	0.91	0.97	0.94	0.92	0.96	0.93	0.92	0.95	0.93	0.91	0.91
8	1.01	0.96	0.93	0.91	1.00	0.96	0.93	0.90	0.95	0.93	0.91	0.94	0.92	0.91	0.94	0.92	0.90	0.90
9	1.00	0.95	0.92	0.90	0.99	0.95	0.92	0.89	0.94	0.92	0.90	0.93	0.91	0.90	0.93	0.91	0.89	0.89
10	0.99	0.94	0.91	0.89	0.98	0.94	0.91	0.88	0.93	0.91	0.89	0.92	0.90	0.89	0.92	0.90	0.89	0.88

ColorBurst Powercore gen2 RGBW, 10° diffuser lens

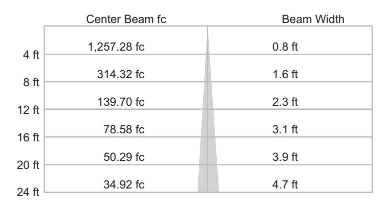
Lumens	Efficacy
1,150	35.8

Polar Candela Distribution



	0	25	45	65	90
0	20116	20116	20116	20116	20116
5	11158	11158	11158	11158	11158
15	708	708	708	708	708
25	129	129	129	129	129
35	47	47	47	47	47
45	19	19	19	19	19
55	6	6	6	6	6
65	2	2	2	2	2
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



142 ft (43.3 m)
1 fc maximum distance

Vert. Spread: 11.1°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1095.9	95%
0-40	1125.5	97.90%
0-60	1146.8	99.70%
60-90	2.8	0.20%
70-100	0.7	0.10%
90-120	0.0	0%

Coefficients Of Utilization - Zonal Cavity Method

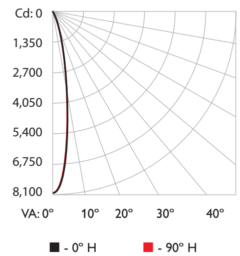
Effective Floor Cavity Reflectance: 20%

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	1.11	1.13	1.12	1.10	0.98	1.08	1.07	1.06	1.04	1.03	1.03	1.01	1.00	1.00	0.98
2	1.13	1.10	1.07	1.05	1.11	1.08	1.06	0.97	1.05	1.03	1.02	1.02	1.01	1.00	1.00	0.99	0.98	0.96
3	1.10	1.06	1.03	1.01	1.09	1.05	1.02	0.95	1.03	1.01	0.99	1.01	0.99	0.97	0.98	0.97	0.96	0.95
4	1.08	1.04	1.00	0.98	1.06	1.03	1.00	0.94	1.01	0.98	0.96	0.99	0.97	0.95	0.97	0.96	0.94	0.93
5	1.06	1.01	0.98	0.95	1.04	1.00	0.97	0.92	0.99	0.96	0.94	0.97	0.95	0.93	0.96	0.94	0.93	0.92
6	1.04	0.99	0.96	0.93	1.03	0.98	0.95	0.91	0.97	0.94	0.92	0.96	0.94	0.92	0.95	0.93	0.91	0.91
7	1.02	0.97	0.94	0.92	1.01	0.96	0.93	0.90	0.95	0.93	0.91	0.95	0.92	0.91	0.94	0.92	0.90	0.89
8	1.00	0.95	0.92	0.90	1.00	0.95	0.92	0.89	0.94	0.91	0.90	0.93	0.91	0.89	0.93	0.91	0.89	0.88
9	0.99	0.94	0.91	0.89	0.98	0.93	0.91	0.88	0.93	0.90	0.88	0.92	0.90	0.88	0.92	0.89	0.88	0.87
10	0.97	0.93	0.90	0.88	0.97	0.92	0.89	0.87	0.92	0.89	0.87	0.91	0.89	0.87	0.91	0.88	0.87	0.86

ColorBurst Powercore gen2 RGBW, 20° diffuser lens

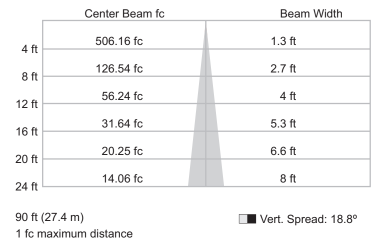
Lumens	Efficacy
1,180	37

Polar Candela Distribution



	0	25	45	65	90
0	8099	8099	8099	8099	8099
5	6602	6602	6602	6602	6602
15	1527	1527	1527	1527	1527
25	207	207	207	207	207
35	55	55	55	55	55
45	23	23	23	23	23
55	9	9	9	9	9
65	4	4	4	4	4
75	1	1	1	1	1
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1083.4	94%
0-40	1119.5	97.20%
0-60	1145.9	99.50%
60-90	4.8	0.40%
70-100	1.2	0.10%
90-120	0.0	0%

Coefficients Of Utilization - Zonal Cavity Method

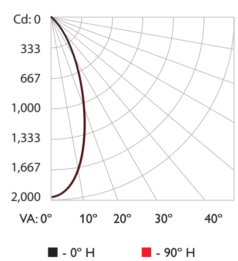
Effective Floor Cavity Reflectance: 20%

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	1.15	1.13	1.11	1.10	1.13	1.11	1.09	0.97	1.07	1.06	1.05	1.03	1.02	1.02	1.00	0.99	0.99	0.97
2	1.12	1.08	1.05	1.03	1.10	1.07	1.04	0.95	1.03	1.01	1.00	1.01	0.99	0.98	0.98	0.97	0.96	0.94
3	1.08	1.04	1.01	0.98	1.07	1.03	1.00	0.92	1.00	0.98	0.96	0.98	0.96	0.94	0.96	0.94	0.93	0.91
4	1.05	1.00	0.97	0.94	1.04	0.99	0.96	0.90	0.97	0.94	0.92	0.95	0.93	0.91	0.94	0.92	0.90	0.89
5	1.03	0.97	0.93	0.90	1.01	0.96	0.93	0.87	0.95	0.92	0.89	0.93	0.91	0.89	0.92	0.90	0.88	0.87
6	1.00	0.94	0.90	0.88	0.99	0.93	0.90	0.85	0.92	0.89	0.87	0.91	0.88	0.86	0.90	0.87	0.86	0.85
7	0.98	0.92	0.88	0.85	0.97	0.91	0.87	0.83	0.90	0.87	0.84	0.89	0.86	0.84	0.88	0.86	0.84	0.83
8	0.95	0.89	0.85	0.83	0.94	0.89	0.85	0.82	0.88	0.85	0.82	0.87	0.84	0.82	0.86	0.84	0.82	0.81
9	0.93	0.87	0.83	0.81	0.92	0.87	0.83	0.80	0.86	0.83	0.80	0.85	0.82	0.80	0.85	0.82	0.80	0.79
10	0.91	0.85	0.81	0.79	0.90	0.85	0.81	0.78	0.84	0.81	0.79	0.83	0.81	0.79	0.83	0.80	0.78	0.78

ColorBurst Powercore gen2 RGBW, 40° diffuser lens

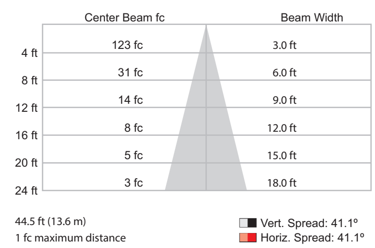
Lumens	Efficacy
1,107	35

Polar Candela Distribution



	0	25	45	70	90
0	1973	1973	1973	1973	1973
5	1890	1890	1890	1890	1890
15	1369	1369	1369	1369	1369
25	692	692	692	692	692
35	236	236	236	236	236
45	66	66	66	66	66
55	23	23	23	23	23
65	10	10	10	10	10
75	3	3	3	3	3
85	1	1	1	1	1
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	866.3	78.2%
0-40	1,018.5	92.0%
0-60	1,092.9	98.7%
0-90	1,107.4	100.0%
60-90	14.5	1.3%
70-100	4.6	0.4%
90-120	0.1	0.0%
90-180	0.1	0.0%
0-180	1,107.6	100.0%

Coefficients Of Utilization - Zonal Cavity Method

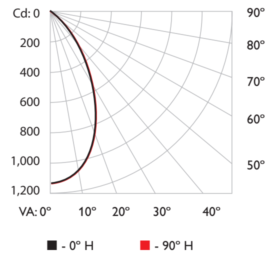
Effective Floor Cavity Reflectance: 20%

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	1.11	1.09	1.07	0.94	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.08	1.04	1.00	0.97	1.06	1.02	0.99	0.89	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.88
3	1.03	0.97	0.93	0.89	1.01	0.96	0.92	0.83	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.83
4	0.99	0.92	0.86	0.82	0.97	0.90	0.86	0.79	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
5	0.94	0.86	0.81	0.77	0.93	0.85	0.80	0.74	0.84	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.73
6	0.90	0.82	0.76	0.72	0.89	0.81	0.76	0.70	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.69
7	0.86	0.77	0.72	0.68	0.85	0.77	0.71	0.66	0.76	0.71	0.67	0.74	0.70	0.67	0.73	0.70	0.67	0.65
8	0.82	0.74	0.68	0.64	0.81	0.73	0.68	0.63	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.62
9	0.79	0.70	0.65	0.61	0.78	0.70	0.64	0.60	0.69	0.64	0.61	0.68	0.63	0.60	0.67	0.63	0.60	0.59
10	0.76	0.67	0.61	0.58	0.75	0.66	0.61	0.57	0.66	0.61	0.58	0.65	0.60	0.57	0.64	0.60	0.57	0.56

ColorBurst Powercore gen2 RGBW, 60° diffuser lens

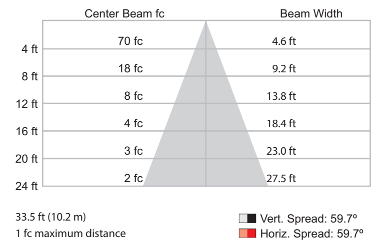
Lumens	Efficacy
1,118	35

Polar Candela Distribution



	0	25	45	70	90
0	1122	1122	1122	1122	1122
5	1104	1104	1104	1104	1104
15	973	973	973	973	973
25	717	717	717	717	717
35	394	394	394	394	394
45	142	142	142	142	142
55	40	40	40	40	40
65	14	14	14	14	14
75	4	4	4	4	4
85	1	1	1	1	1
90	0	0	0	0	0

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	701.0	62.7%
0-40	946.4	84.7%
0-60	1,097.4	98.1%
0-90	1,117.5	99.9%
60-90	20.1	1.8%
70-100	5.9	0.5%
90-120	0.1	0.0%
90-180	0.6	0.1%
0-180	1,118.1	100.0%

Coefficients Of Utilization - Zonal Cavity Method

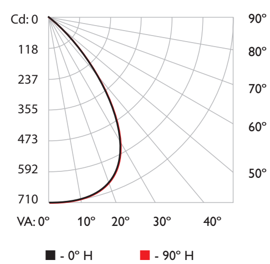
Effective Floor Cavity Reflectance: 20%

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	0.97	0.95	0.94	0.92
2	1.07	1.02	0.97	0.94	1.05	1.00	0.96	0.86	0.97	0.93	0.90	0.93	0.91	0.88	0.91	0.89	0.87	0.85
3	1.01	0.94	0.89	0.84	0.99	0.92	0.88	0.79	0.90	0.86	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.78
4	0.95	0.87	0.81	0.77	0.93	0.86	0.80	0.73	0.84	0.79	0.75	0.82	0.78	0.74	0.80	0.76	0.73	0.72
5	0.90	0.81	0.75	0.70	0.88	0.80	0.74	0.68	0.78	0.73	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.66
6	0.85	0.75	0.69	0.64	0.83	0.75	0.69	0.63	0.73	0.68	0.64	0.72	0.67	0.63	0.70	0.66	0.63	0.61
7	0.80	0.71	0.64	0.60	0.79	0.70	0.64	0.58	0.69	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.58	0.57
8	0.76	0.66	0.60	0.55	0.75	0.66	0.59	0.54	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.54	0.53
9	0.72	0.62	0.56	0.52	0.71	0.62	0.56	0.51	0.61	0.55	0.51	0.60	0.55	0.51	0.59	0.54	0.51	0.50
10	0.69	0.59	0.52	0.48	0.68	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.56	0.51	0.48	0.46

ColorBurst Powercore gen2 RGBW, 80° diffuser lens

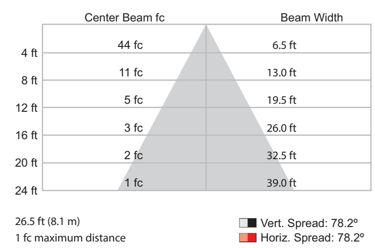
Lumens	Efficacy
1,085	34

Polar Candela Distribution



	0	25	45	70	90
0	701	701	701	701	701
5	701	701	701	701	701
15	694	694	694	694	694
25	629	629	629	629	629
35	448	448	448	448	448
45	213	213	213	213	213
55	67	67	67	67	67
65	20	20	20	20	20
75	6	6	6	6	6
85	2	2	2	2	2
90	1	1	1	1	1

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	549.8	50.7%
0-40	826.8	76.2%
0-60	1,055.0	97.2%
0-90	1,084.4	100.0%
60-90	29.4	2.7%
70-100	9.2	0.8%
90-120	0.4	0.0%
90-180	0.4	0.0%
0-180	1,084.8	100.0%

Coefficients Of Utilization - Zonal Cavity Method

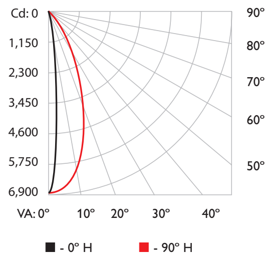
Effective Floor Cavity Reflectance: 20%

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	1.12	1.09	1.06	1.04	1.10	1.07	1.04	0.92	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.91
2	1.05	1.00	0.95	0.91	1.03	0.98	0.93	0.83	0.95	0.91	0.88	0.91	0.88	0.86	0.89	0.86	0.84	0.82
3	0.99	0.91	0.85	0.80	0.97	0.90	0.84	0.75	0.87	0.82	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.74
4	0.92	0.84	0.77	0.72	0.91	0.82	0.76	0.68	0.80	0.75	0.71	0.78	0.73	0.70	0.76	0.72	0.69	0.67
5	0.87	0.77	0.70	0.65	0.85	0.76	0.69	0.62	0.74	0.68	0.64	0.72	0.67	0.63	0.70	0.66	0.63	0.61
6	0.81	0.71	0.64	0.59	0.80	0.70	0.63	0.57	0.68	0.62	0.58	0.67	0.62	0.58	0.65	0.61	0.57	0.55
7	0.76	0.65	0.58	0.53	0.75	0.65	0.58	0.52	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.52	0.51
8	0.72	0.61	0.54	0.49	0.70	0.60	0.53	0.48	0.59	0.53	0.49	0.58	0.52	0.48	0.57	0.52	0.48	0.47
9	0.68	0.57	0.50	0.45	0.66	0.56	0.49	0.44	0.55	0.49	0.45	0.54	0.48	0.45	0.53	0.48	0.44	0.43
10	0.64	0.53	0.46	0.42	0.63	0.52	0.46	0.41	0.51	0.45	0.41	0.51	0.45	0.41	0.50	0.45	0.41	0.40

ColorBurst Powercore gen2
RGBW, 10° x 40° asymmetric lens

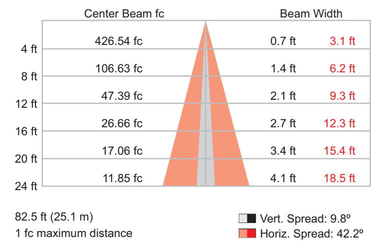
Lumens	Efficacy
1,173	37

Polar Candela Distribution



	0	25	45	65	90
0	6825	6825	6825	6825	6825
5	3329	3674	4550	5629	6613
15	293	395	783	2120	4936
25	77	97	166	587	2452
35	32	37	59	153	712
45	13	17	26	47	141
55	5	7	12	19	40
65	2	3	5	8	17
75	2	2	1	2	5
85	1	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



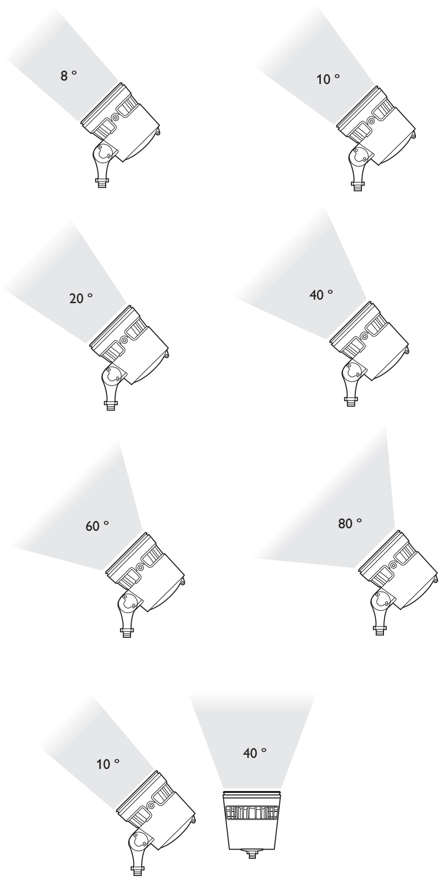
Zonal Lumen

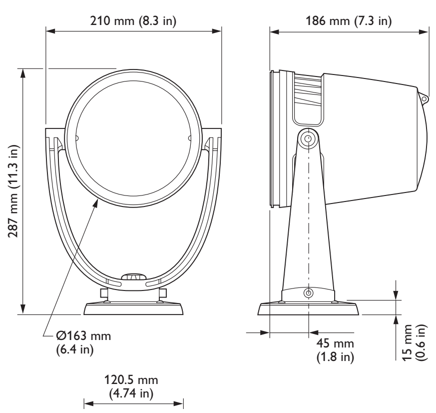
Zone	Lumens	% Luminaire
0-30	1019.6	87%
0-40	1113.2	95.30%
0-60	1158.8	99.20%
60-90	8.8	0.70%
70-100	2.8	0.20%
90-120	0.0	0%
0-90	1167.6	100.00%
90-180	0.5	0.00%
0-180	1168.1	100%

Coefficients Of Utilization - Zonal Cavity Method

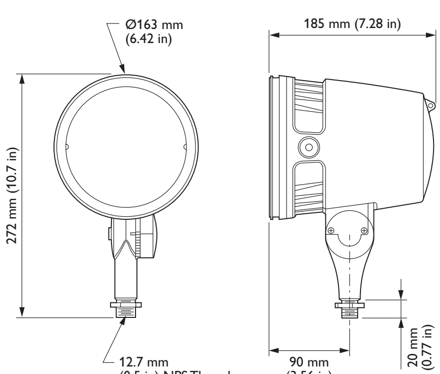
Effective Floor Cavity Reflectance: 20%

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	1.15	1.12	1.10	1.08	1.12	1.10	1.08	0.96	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96
2	1.10	1.06	1.03	1.00	1.08	1.05	1.02	0.92	1.01	0.99	0.97	0.98	0.97	0.95	0.96	0.94	0.93	0.91
3	1.06	1.01	0.97	0.94	1.04	1.00	0.96	0.88	0.97	0.94	0.92	0.95	0.92	0.90	0.93	0.91	0.89	0.87
4	1.02	0.96	0.92	0.89	1.01	0.95	0.91	0.85	0.93	0.90	0.87	0.91	0.88	0.86	0.90	0.87	0.85	0.84
5	0.99	0.92	0.88	0.84	0.97	0.91	0.87	0.81	0.90	0.86	0.83	0.88	0.85	0.82	0.87	0.84	0.82	0.81
6	0.95	0.88	0.84	0.80	0.94	0.88	0.83	0.78	0.86	0.83	0.80	0.85	0.82	0.79	0.84	0.81	0.79	0.78
7	0.92	0.85	0.80	0.77	0.91	0.84	0.80	0.76	0.83	0.79	0.77	0.82	0.79	0.76	0.81	0.78	0.76	0.75
8	0.89	0.82	0.77	0.74	0.88	0.82	0.77	0.73	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.73	0.72
9	0.87	0.79	0.75	0.72	0.86	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.76	0.73	0.71	0.70
10	0.84	0.77	0.72	0.69	0.83	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68





ColorBurst Powercore gen2 Architectural



ColorBurst Powercore gen2 Landscape

ColorBurst Powercore gen2 Specifications

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

Item	Specification	Details		
Output	Beam Angle	8° primary optic Optional diffusers: 20°/40°/60°/80°/10° x 40° (asymmetric)		
	LED Channels	RGB	RGBA	RGBW
	Lumens*	963	1,151	1,293
	Efficacy	35	36	40
	Lumen Maintenance†	48,000+ hours L70 @ 25° C 48,000+ hours L70 @ 50° C		
	Effective Projected Area (EPA)	26053 mm²		
Electrical	Input Voltage	100 to 277 VAC, auto-switching, 50/60 Hz via Data Enabler Pro		
	Power Consumption	33 W maximum at full output, steady state		
	Power Factor	> 0.9 @ 100 - 240 VAC, > 0.85 @ 277 VAC		
Control	Interface	Data Enabler Pro (DMX/Ethernet)		
	Control System	Philips Color Kinetics full range of controllers, including Light System Manager, Video System Manager Pro, iPlayer 3, Antumbra iColor Keypad, and ColorDial Pro, or third-party controllers		
Physical	Dimensions *(Height x Width x Depth)*	287 x 210 x 186 mm (11.3 x 8.3 x 7.3 in) Architectural 272 x 163 x 185 mm (10.7 x 6.42 x 7.28 in) Landscape		
	Weight	5.5 kg (12.1 lb) Architectural 3.5 kg (7.7 lb) Landscape		
	Housing	Die-cast aluminium, powder-coated finish		
	Lens	Clear tempered glass		
	Luminaire Connections	1.8 m (6 ft) combined power data whip Architectural 152 mm (6 in) flying leads Landscape		
	Temperature Ranges	-40 to 50 °C (-40 to 122 °F) Operating -20 to 50 °C (-4 to 122 °F) Startup -40 to 80 °C (-40 to 176 °F) Storage		
	Humidity	0 to 95%, non-condensing		
	Luminaire Run Lengths	To calculate luminaire run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.colorkinetics.com/support/install_tool/		
Certification and Safety	Certification	UL/cUL, FCC Class A, CE, PSE, C-Tick, CQC, SAA		
	Environment	Dry/Damp/Wet Location, IP66		
	Corrosion Resistance	Complies with ASTM B117 standard for > 1,500 hours		
	Vibration Resistance	Complies with ANSI C136.31, 3G Architectural		
	Mechanical Impact	IK08		

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

† L_{50} = 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 luminaires 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.

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Luminaires and Data Enabler Pro

ColorBurst Powercore gen2 luminaires are part of a complete system which includes:

- One or more Data Enabler Pro devices.
- Any Philips controller, including Light System Manager, iPlayer 3, and ColorDial Pro, or a third-party controller.
- 4-conductor copper wire to connect ColorBurst Powercore gen2 luminaires in series or in parallel. Standard 12 AWG 2.05mm (0.08 in) stranded wire is recommended.

	Item	Type	LED	Housing Color	Item Number*	Philips 12NC
	ColorBurst Powercore gen2	Landscape	RGB	Gray	123-000156-20	912400135461
				Black	123-000156-23	912400135463
				White	123-000156-26	912400135465
				Bronze	123-000156-29	912400135467
			RGBA	Gray	423-000005-20	912400135485
				Black	423-000005-23	912400135487
				White	423-000005-26	912400135489
				Bronze	423-000005-09	912400135491
			RGBW	Gray	423-000004-20	912400135477
				Black	423-000004-23	912400135479
				White	423-000004-26	912400135481
				Bronze	423-000004-29	912400135483
	ColorBurst Powercore gen2	Architectural	RGB	Gray	123-000156-21	912400135462
				Black	123-000156-24	912400135464
				White	123-000156-27	912400135466
				Bronze	123-000156-30	912400135468
			RGBA	Gray	423-000005-21	912400135486
				Black	423-000005-24	912400135488
				White	423-000005-27	912400135490
				Bronze	423-000005-30	912400135492
			RGBW	Gray	423-000004-21	912400135478
				Black	423-000004-24	912400135480
				White	423-000004-27	912400135482
				Bronze	423-000004-30	912400135484

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

*Use Item Number when ordering in North America.

Accessories

Item	Housing Color	Item Number*	Philips 12NC	
Trim Ring	Gray	120-000189-20	912400135449	
	Black	120-000189-21	912400135450	
	White	120-000189-22	912400135451	
	Bronze	120-000189-23	912400135452	
Half Glare Shield	Gray	120-000189-24	912400135453	
	Black	120-000189-25	912400135454	
	White	120-000189-26	912400135455	
	Bronze	120-000189-27	912400135456	
Full Glare Shield	Gray	120-000189-28	912400135457	
	Black	120-000189-29	912400135458	
	White	120-000189-30	912400135459	
	Bronze	120-000189-31	912400135460	
Louver	Black	120-000189-17	912400133447	
10° Spread Lens		120-000189-18	912400135371	
20° Spread Lens		120-000189-12	912400133442	
40° Spread Lens		120-000189-13	912400133443	
60° Spread Lens		120-000189-14	912400133444	
80° Spread Lens		120-000189-15	912400133445	
10° x 40° Asymmetric Spread Lens		120-000189-16	912400133446	
Mounting Arm, Short, White, Architectural		120-000201-06	912400135846	
Mounting Arm, Medium, White, Architectural		120-000201-07	912400135847	
Mounting Arm, Long, White, Architectural		120-000201-08	912400135848	
Mounting Arm, Short, Gray, Architectural		120-000201-03	912400135843	
Mounting Arm, Medium, Gray, Architectural		120-000201-04	912400135844	
Mounting Arm, Long, Gray, Architectural		120-000201-05	912400135845	
Mounting Arm, Short, Black, Architectural		120-000201-00	912400135840	
Mounting Arm, Medium, Black, Architectural		120-000201-01	912400135841	
Mounting Arm, Long, Black, Architectural		120-000201-02	912400135842	

Use Item Number when ordering in North America.

You can attach either one Louver or one Spread Lens at a time.

Diffuser and Louver must be ordered with a trim ring or a glare shield.

Installation

ColorBurst Powercore gen2 offers saturated, color-changing LED spotlighting, site, and accent lighting with Powercore technology. Powercore, which integrates LED power and data management within the luminaire, eases installation by eliminating the need for external power supplies.

Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate ColorBurst Powercore gen2 luminaires 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.

Refer to the ColorBurst Powercore gen2 Installation Instructions for specific warning and caution statements.

Installing in Damp or Wet Locations

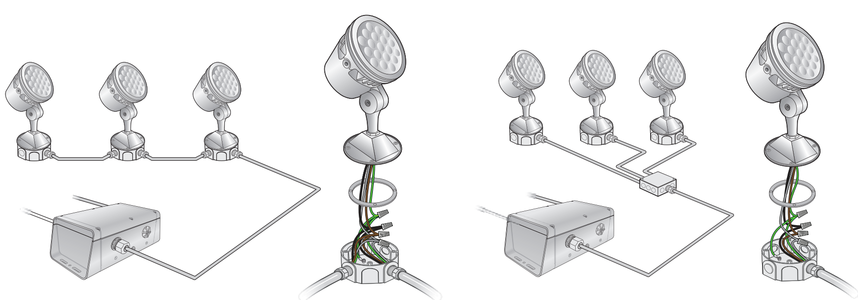
When installing in damp or wet locations, it is good practice to seal all luminaires and junction boxes with electronics-grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in any wiring compartments, cables, or other electrical parts. You must use suitable outdoor-rated junction 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

Plan 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, luminaires, and cables.

   ColorBurst Powercore gen2 luminaires can be installed in series or in parallel (wired to a common junction box).

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



- ColorBurst Powercore gen2 Architectural luminaires feature a canopy base for mounting to standard US junction boxes. Luminaires can be mounted directly to a surface or substrate by removing the nylon cable clamp and disengaging the 1.8 m (6 ft) integrated power/data cable from the canopy base.
- ColorBurst Powercore gen2 Landscape luminaires feature a 1/2 in NPT threaded post for mounting to standard junction boxes and third-party mounting accessories such as stanchion mounts, posts, and stakes.

The maximum number of luminaires each Data Enabler Pro can support depends on specific configuration details such as length of leader and jumper cables, wire gauge, luminaire spacing, circuit size, line voltage, and method of connection (in series or in parallel). As an example, the tables to the left list the maximum number of ColorBurst Powercore gen2 Landscape luminaires each Data Enabler Pro can support at various voltages, assuming a 20 A circuit, a 6.1 m (20 ft) leader cable from Data Enabler Pro to the first junction box, and 610 mm (2 ft) jumper cables between luminaires. Keep in mind that these figures, provided as a guideline, are accurate for the specified configuration only. Changing the configuration can affect the luminaire run lengths.

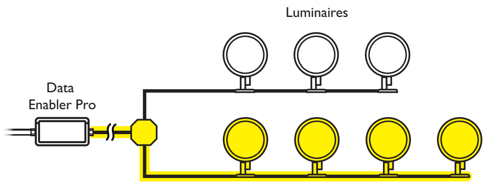
Maximum luminaire run lengths

ColorBurst Powercore gen2	
3 channel	**4 channel**
32 @ 100 VAC	29 @ 100 VAC
37 @ 120 VAC	34 @ 120 VAC
57 @ 220 VAC	53 @ 220 VAC
59 @ 230 VAC	54 @ 230 VAC
63 @ 227 VAC	59 @ 277 VAC

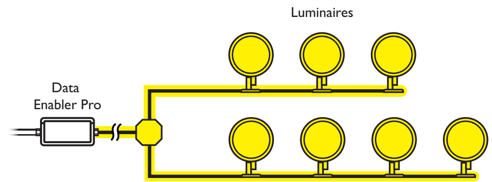
Assuming a 20 A circuit, 6.1 m (20 ft) leader cable from Data Enabler Pro to the first junction box, and 610 mm (2 ft) jumper cables between luminaires

For more information, and for help calculating the number of luminaires your specific installation can support, download the Configuration Calculator from www.colorkinetics.com/support/install_tool/, or consult Application Engineering Services at support@colorkinetics.com.

In addition to maximum luminaire 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 — 53.3 m (175 ft)
maximum individual length



Data integrity — 122 m (400 ft)
maximum total length

Start the Installation

For complete instructions on how to wire the Data Enabler Pro, refer to the Data Enabler Pro Product Guide.

1. Install all Data Enabler Pro devices, including any interfaces with controllers. Data Enabler Pro devices and external controllers send power and control signals to the luminaires over a single luminaire cable. Additional cabling is required to connect luminaires together in parallel or in series.
2. Verify that all additional supporting equipment (switches, controllers) is in place.
3. Ensure that all additional parts and tools are available, including:

ColorBurst Powercore gen2 Architectural Installations

- The provided stainless steel screws for outdoor installations
- The provided junction box gasket for outdoor installations
- Unless surface-mounting, one 102 mm (4 in) round US electrical junction box per luminaire, rated for your application, with 89 mm (3.5 in) center-to-center screw holes for attaching the luminaire's base. (Refer to the manufacturer's literature for additional items required for mounting or sealing.)
- A 6 mm hex wrench for luminaire tilting and locking
- A 1/8 in hex wrench for luminaire swiveling and locking

ColorBurst Powercore gen2 Landscape Installations

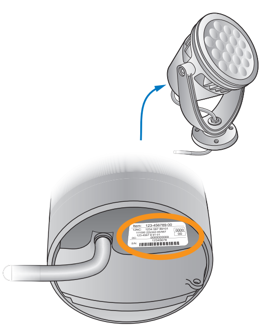
- The provided locking nut
- One electrical junction box or mounting accessory per luminaire, rated for your application. (Refer to the junction box or accessory manufacturer's literature for specific information on mounting or sealing.)
- A 6 mm hex wrench for luminaire tilting and locking
- A 33 mm wrench for locking luminaires in place

All Installations

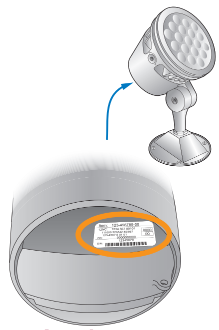
- A sufficient length 4-conductor wire. We recommend 12 AWG 4 mm^2 (0.1 in) stranded copper wire.
- Conduit as required
- Electronics-grade room temperature vulcanizing (RTV) silicone sealant as required
- A 5/32 in hex wrench for installing accessories.

Unpack and Position Luminaires

1. Carefully inspect the box containing ColorBurst Powercore gen2 and the contents for any damage that may have occurred in transit.
2. Each ColorBurst Powercore gen2 luminaire comes pre-programmed with a unique serial number. As you unpack the luminaires, record the serial numbers in a layout grid (typically a spreadsheet or list) for easy reference and light addressing.



Architectural

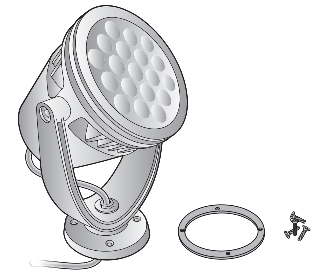


Landscape

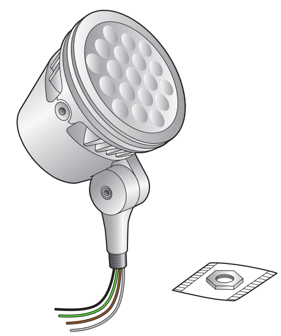
3. Assign each luminaire to a position in the lighting design plan.
4. To streamline installation and aid in light show programming, you can affix a weatherproof label identifying the order or placement in the installation to an inconspicuous location on each light luminaire's housing.

Included in the box

ColorBurst Powercore gen2 Architectural
ColorBurst Powercore gen2 Architectural luminaire
(4) 10-24 stainless steel screws for outdoor installation
Junction box gasket
Installation Instructions



ColorBurst Powercore gen2 Landscape
ColorBurst Powercore gen2 Landscape luminaire
Locking nut
Installation Instructions



Connecting and Mounting ColorBurst Powercore gen2 Architectural Luminaires

ColorBurst Powercore gen2 Architectural luminaires can be mounted to standard US junction boxes, or they can be mounted to a flat surface or substrate.

Make sure the power is OFF before mounting and connecting ColorBurst Powercore gen2 luminaires.

Connecting ColorBurst Powercore gen2 Architectural Luminaires to Junction Boxes

1. Mount junction boxes in accordance with the lighting design plan. Each luminaire is designed for mounting in a 102 mm (4 in) round US electrical junction box, rated for your application, with 89 mm (3.5 in) center-to-center screw holes for attaching the luminaire's base.

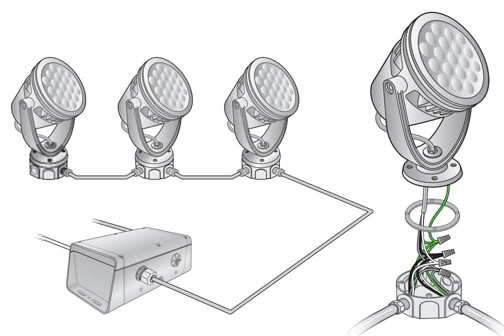
   Architectural luminaires are supplied with a grounding wire attached to the luminaire's base (canopy). The canopy ground wire can be attached to a grounding point in the junction box, or connected with the ground in the luminaire cable.

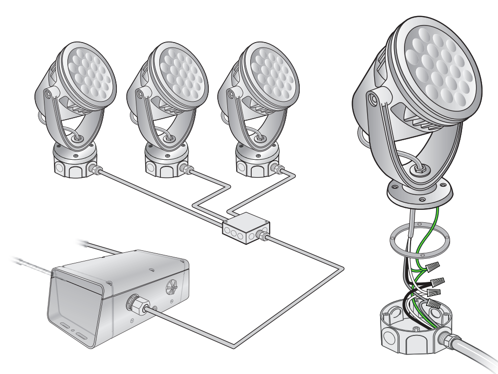
   Wiring between junction boxes must comply with local codes.

2. If installing luminaires in a series, pull copper wire between the junction boxes.

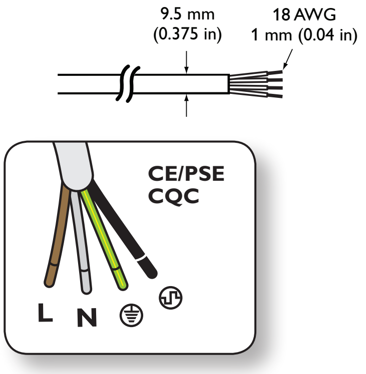
   If installing luminaires in parallel, pull copper wire from a Data Enabler Pro to a common junction box, and from the common junction box to each luminaire's junction box.

   We recommend the use of 12 AWG 4 mm² (0.1 in), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual ColorBurst Powercore gen2 luminaire is 53 m (174 ft). When installing in parallel, the total cable length cannot exceed 122 m (400 ft).





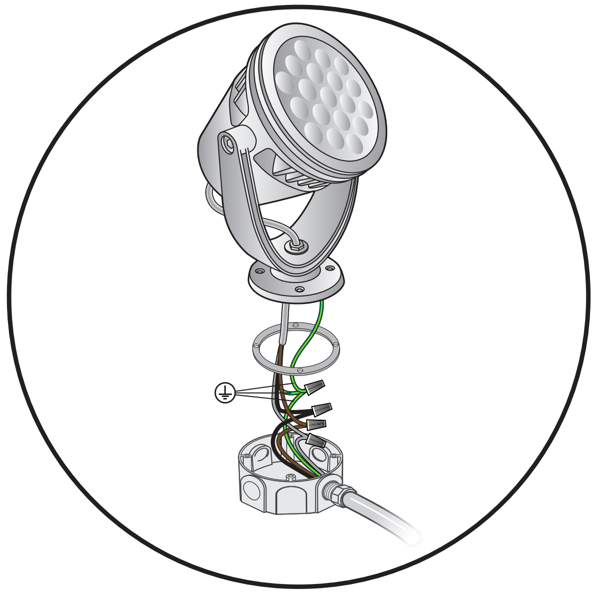
Leader Cable connector dimensions



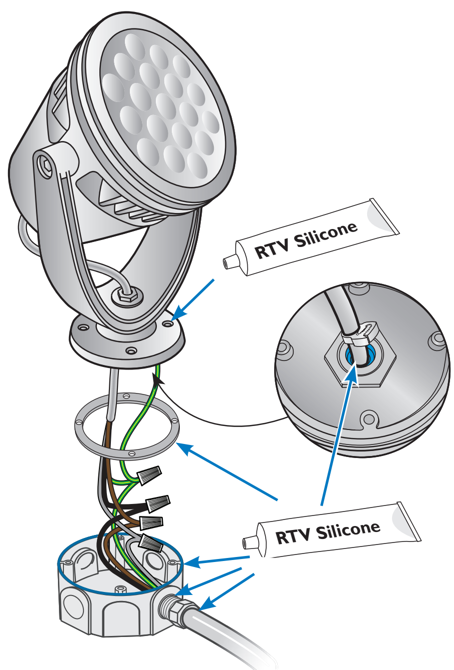
When there is a solo green or yellow wire attached to the canopy, it is a canopy ground wire that must not be removed. Connect this wire to a suitable grounding point in the junction box or elsewhere nearby.

3. Trim the cable from the luminaire to fit in the junction box, leaving enough cable to make wiring connections.
4. Use wire nuts to connect line, neutral, ground, and data. If installing in a damp or wet location, use the included junction box gasket.

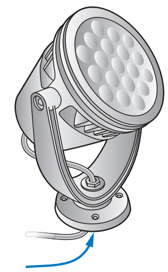
   Attach the canopy ground wire to a grounding point in the junction box, or combine it with the luminaire cable ground with a wire nut.
5. Tuck wire connections into the junction box.



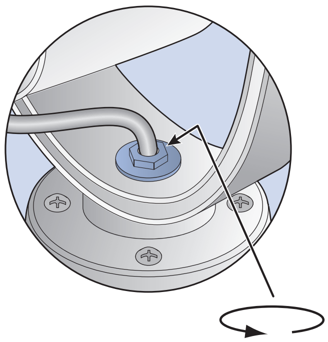
6. Screw the luminaire's canopy base into the junction box using the four included 10-24 stainless steel screws. If installing in a damp or wet location, seal all junction boxes with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.

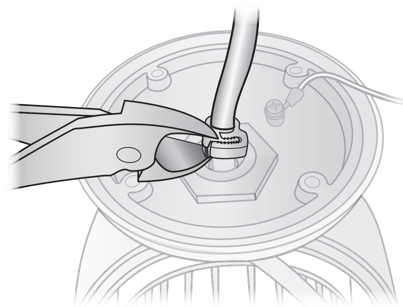


Surface-Mounting ColorBurst Powercore gen2 Architectural Luminaires

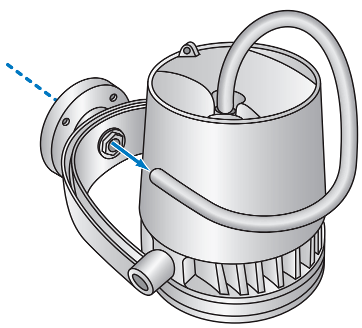


1. Prepare ColorBurst Powercore gen2 Architectural luminaires for surface-mounting:
   - Loosen the cable compression ring on the luminaire yoke.
   - Remove the nylon cable clamp from the luminaire's leader cable where it exits the underside of the canopy base.

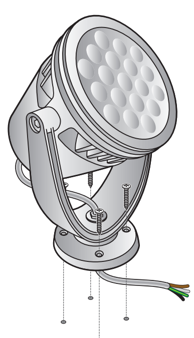


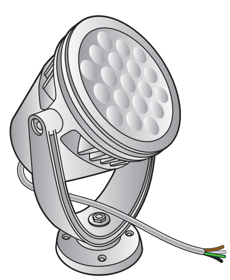


   - Disengage the leader cable from the luminaire's canopy base.

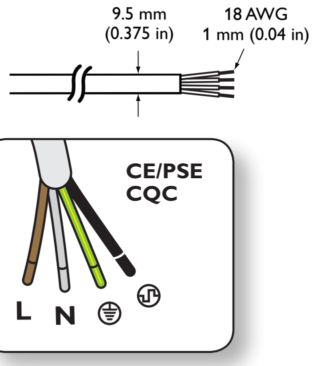


2. Mount junction boxes in accordance with the lighting design plan.
3. Position each ColorBurst Powercore gen2 Architectural luminaire in its designated mounting location. Make sure the mounting surface is flat, suitable for the mounting hardware, and clear of debris and other obstructions.
4. Use four suitable mounting screws to secure each ColorBurst Powercore gen2 Architectural luminaire to the mounting location.





Leader Cable connector dimensions

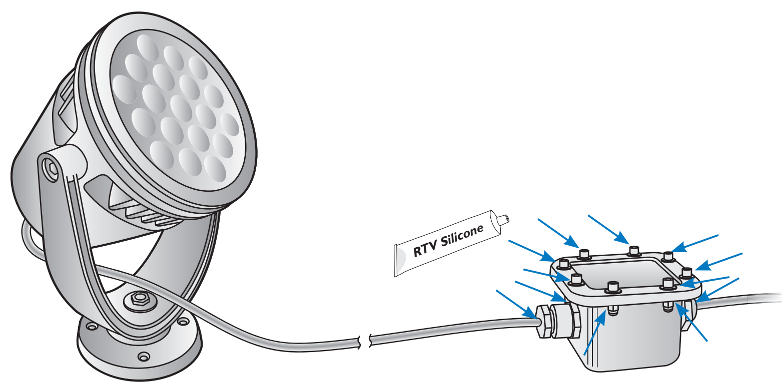


5. If installing luminaires in a series, pull copper wire between the junction boxes.

   If installing luminaires in parallel, pull copper wire from a Data Enabler Pro to a common junction box.

   We recommend the use of 12 AWG 4 mm² (0.1 in), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual ColorBurst Powercore gen2 luminaire is 53 m (175 ft). When installing in parallel, the total cable length cannot exceed 122 m (400 ft).

6. Use wire nuts to connect line, neutral, ground, and data. If installing in a damp or wet location, use the included junction box gasket.
7. Tuck wire connections into the junction box.
8. Secure all junction box covers. If installing in a damp or wet location, 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..



Connecting and Mounting ColorBurst Powercore Landscape Luminaires

ColorBurst Powercore gen2 Landscape luminaires feature a 1/2 in NPT threaded post for installing to standard junction boxes, stanchion mounts, posts, stakes, and other landscape mounting accessories.

Make sure the power is OFF before mounting and connecting ColorBurst Powercore gen2 luminaires.

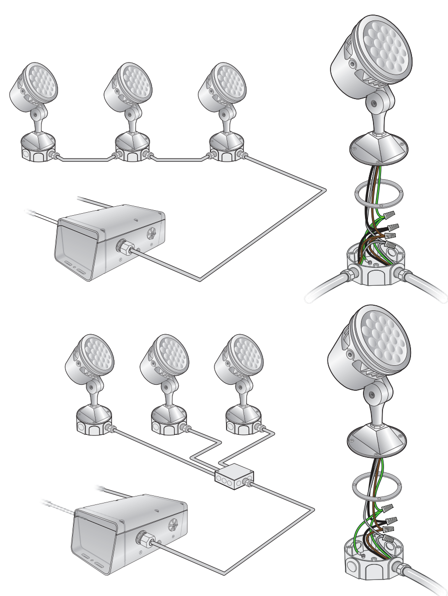
1. Mount junction boxes and any landscape mounting accessories in accordance with the lighting design plan.
2. If installing luminaires in a series, pull copper wire between the junction boxes, and from the junction boxes to the luminaires as needed.

   If installing luminaires in parallel, pull copper wire from a Data Enabler Pro to a common junction box, and from the common junction box to the luminaires.

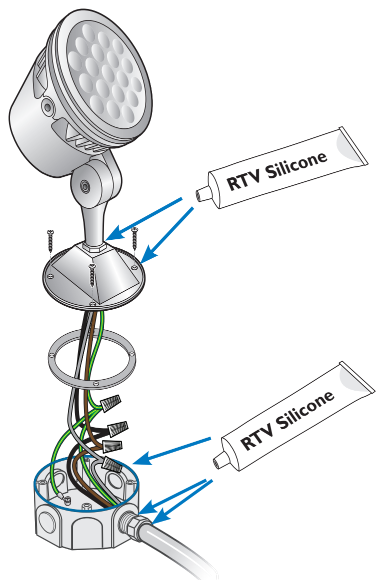
   We recommend the use of 12 AWG 4 mm² (0.1 in), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual ColorBurst Powercore gen2 luminaire is 53 m (175 ft). When installing in parallel, the total cable length cannot exceed 122 m (400 ft).

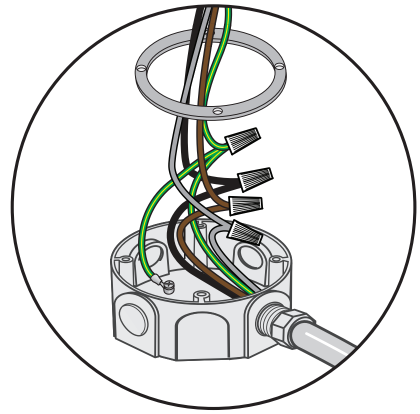
3. Thread the locking nut onto the ColorBurst Powercore gen2 Landscape threaded post.
4. Use wire nuts to connect line, neutral, ground, and data.

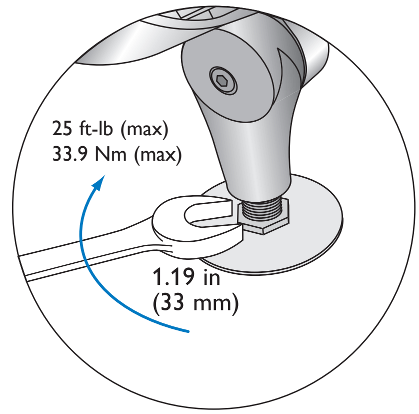
Install luminaires in series or in parallel



5. Tuck wire connections into the junction box or mounting accessory.
6. Using a 33 mm wrench, torque the locking nut to 33.9 Nm (25 ft-lb). Do not overtighten.
7. If installing in a damp or wet location, seal all junction boxes and mounting accessories with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.

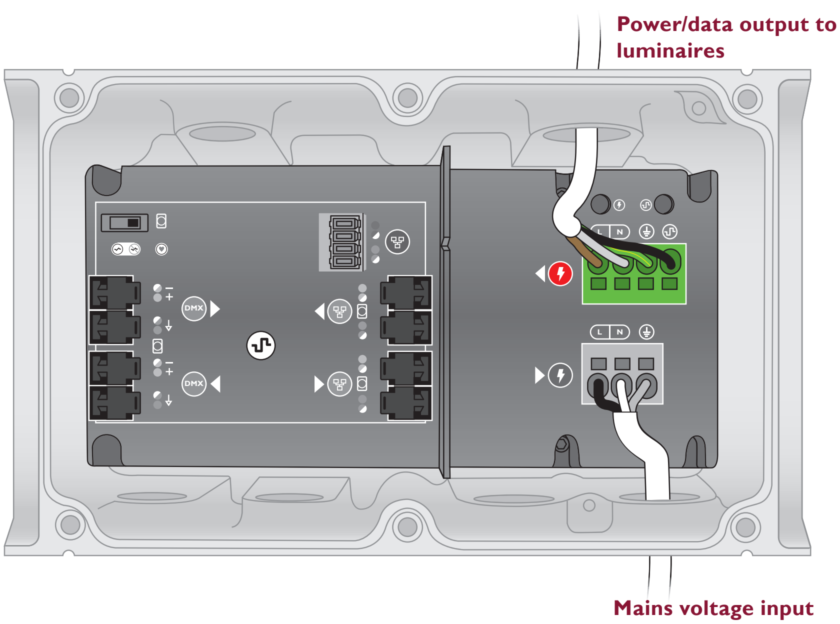




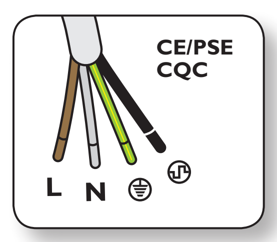


Connect Luminaire Cable to Power

Once you've made all luminaire and junction box connections, connect the lead cable to the 4-wire PC terminal connector block inside the Data Enabler Pro Housing.



Refer to the Data Enabler Pro Product Guide for comprehensive installation and configuration instructions. You can view or download the guide from www.philipscolorkinetics.com/ls/pds/dataenablerpro



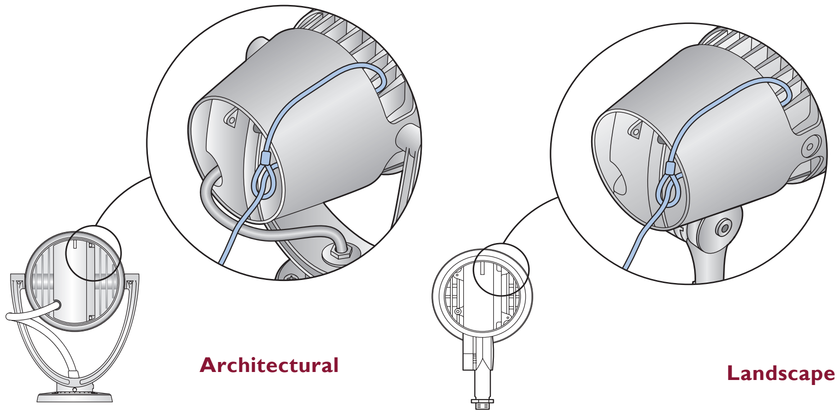
Safety cable minimum requirements

Material	304 or 316 Stainless Steel
Size	4 mm (5/32 in) nominal diameter Minimum break load must be greater than 2,400 lb (1089 kg)

Attach Safety Cable (Optional)

When installing ColorBurst Powercore gen2 luminaires to a wall or overhead, use a safety cable to tether it to a secure anchor point. When dictated by local or state code or advised by a structural engineer, attach a safety cable to the ColorBurst Powercore gen2 luminaire housing and tether it to a secure anchor point.

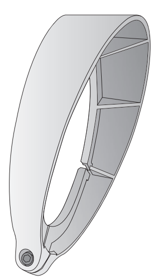
1. Thread a safety cable through the luminaire housing as shown.
2. Attach the safety cable to the mounting surface using a method that follows the code or engineer's requirements.



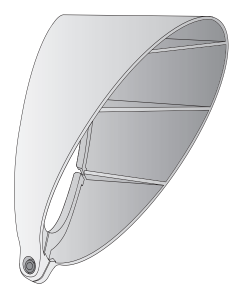
Attach Accessories (Optional)

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

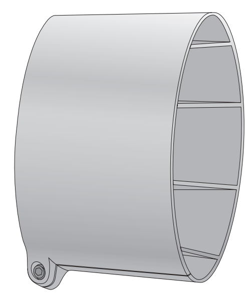
For complete instructions on how to install the accessories, refer to the Accessory Installation Instructions.



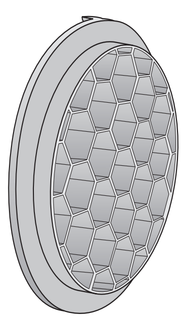
Trim Ring



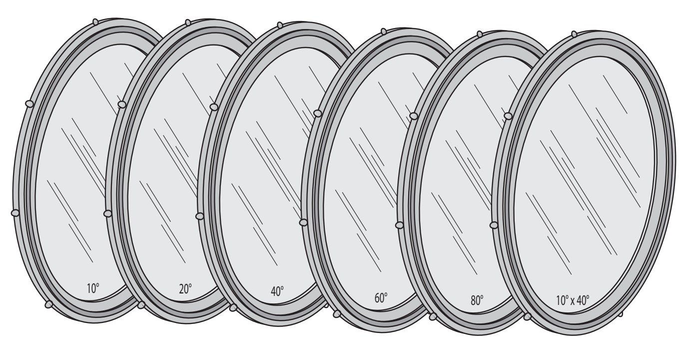
45° Glare Shield



Full Glare Shield



Louver



Spread Lenses

Address and Configure the Luminaires

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

ColorBurst Powercore gen2 luminaires operate in 8-bit mode by default. You can configure ColorBurst Powercore gen2 to operate in 16-bit mode, which increases luminaire resolution for smoother dimming.

In 8-bit mode, luminaires use one DMX address per LED channel (red, green, and blue). In 16-bit mode, luminaires 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 luminaire resolution from 256 dimming steps to 65,536 (256 x 256) dimming steps.

You can address luminaires and switch between 8-bit mode and 16-bit mode using QuickPlay Pro. You can download QuickPlay Pro from www.philipscolorkinetics.com/support/addressing/

DMX Channel Assignments (3 channel mode)						
8-Bit Mode	1		2		3	
	Red		Green		Blue	
16-Bit Mode	1	2	3	4	5	6
	Red Coarse	Red Fine	Green Coarse	Green Fine	Blue Coarse	Blue Fine

DMX Channel Assignments (4 channel mode)								
8-Bit Mode	1		2		3		4	
	Red		Green		Blue		White or Amber	
16-Bit Mode	1	2	3	4	5	6	7	8
	Red Coarse	Red Fine	Green Coarse	Green Fine	Blue Coarse	Blue Fine	White/Amber Coarse	White/Amber Fine

ColorBurst Powercore gen2 luminaires come factory-addressed with a starting DMX address of 1. For lighting designs where luminaires work in unison, all luminaires can be assigned the same starting DMX address. Changes to the default starting DMX address 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 luminaires, you must assign unique DMX addresses to your luminaires and sort them in a useful order.

You will need the layout grid that you created when you recorded the serial numbers of the light luminaires in your installation.

- In Ethernet installations, you can address and configure your luminaires using QuickPlay Pro with a computer connected to your lighting installation's network. QuickPlay Pro can automatically discover all of your luminaires, controllers, and Data Enabler Pro devices for quick configuration.
- In DMX installations, you can address and configure your luminaires using QuickPlay Pro with iPlayer 3 or SmartJack Pro. You can manually enter luminaire serial numbers, or you can import a spreadsheet listing each luminaire's serial number and starting DMX address.

For complete details on addressing and configuring ColorBurst Powercore gen2 luminaires with QuickPlay Pro, refer to the *Addressing and Configuration Guide*, which you can view or download at www.colorkinetics.com/support/addressing.

Setting Luminaire Dimming Curves

Dimming curves describe how slowly or quickly a luminaire dims at different levels of input. For finer control, ColorBurst Powercore gen2 offers three different dimming curves for use in different situations and applications:

- **Normal**
  The non-linear (gamma) dimming curve used in most Philips Color Kinetics LED lighting luminaires. ColorBurst Powercore gen2 luminaires use the normal dimming curve by default.
- **Linear**
  A dimming curve with a linear relationship between power input and DMX output.
- **Tungsten**
  A non-linear dimming curve that emulates the dimming curve of incandescent lamps on a DMX dimmer. This curve offers the most control at low intensities.

Setting LED Transition Speed

Normally, LEDs react to DMX or other control data instantaneously. In some cases, you may want to slow down the reaction speed to achieve smoother transitions when the intensity of different LED channels changes. ColorBurst Powercore gen2 offers five levels of decreasing LED transition speed, from Fast (instant snap changes) to Delay-4 (slowest transition speed).

Chromasync: Maximizing Luminaire-to-Luminaire Consistency

Optibin, our advanced binning algorithm, sets an industry-leading standard for the color consistency and uniformity of LED sources used in manufacturing. Chromasync technology enhances the performance of Optibin by maximizing luminaire-to-luminaire color consistency within an installation. By using active measurements of each luminaire's color range taken during manufacturing, Chromasync achieves a common gamut for all ColorBurst Powercore gen2 luminaires, regardless of LED sources used or date of manufacture.

Chromasync is especially valuable in lighting designs that feature combinations of two or more saturated colors (RGB white, yellow, cyan, and so on). In the case of RGB white, for example, Chromasync can reduce color variations across ColorBurst Powercore gen2 luminaires from 10 or more MacAdam ellipse steps to as little as four MacAdam ellipse steps.

While Chromasync does not calibrate colors with an external reference or standard, it accelerates commissioning of systems by eliminating the need for tedious fine-tuning of individual luminaires. You can find more information about Chromasync from http://www.colorkinetics.com/ls/guides-brochures/PCK-Technology-Overview-Chromasync.pdf

Chromasync technology supports three basic data operation modes for use with ColorBurst Powercore gen2: 4-to-4, 3-to-4, and 3-to-3.

- **4-to-4 Configuration**
  The 4-to-4 configuration works with newer controllers that deliver four channels of control data to four-channel LED luminaires. This is the default configuration for RGBW and RGBA LED luminaires.
- **3-to-4 Configuration**
  The 3-to-4 configuration works with controllers that employ three output data channels. ColorBurst Powercore gen2 maps three channels of control data to all four LED channels.

- **3-to-3 Configuration**
  The 3-to-3 configuration allows legacy RGB light shows to be carried over to four-channel light luminaires; however, the fourth channel (White or Amber) is ignored. Therefore, this configuration does not utilize the full color palette available on the ColorBurst Powercore gen2.

Aim and Lock Luminaires

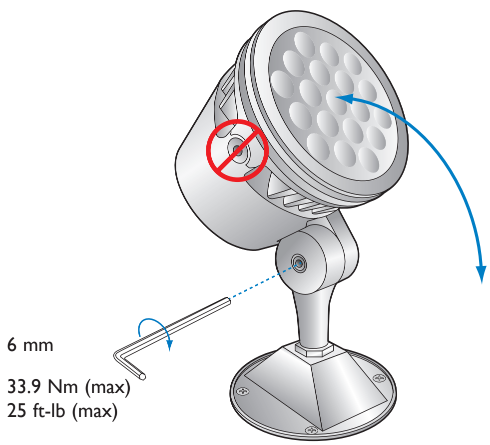
Make sure power is ON before aiming luminaires.

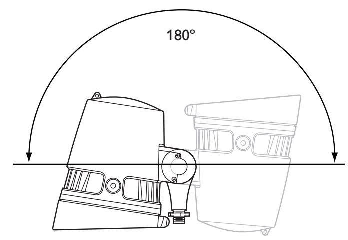
ColorBurst Powercore gen2 luminaires can tilt through a full 180°. ColorBurst Powercore gen2 Architectural luminaires can also rotate through a full 360° for precise aiming. Locking nuts use standard hex wrenches to secure luminaires firmly in position.

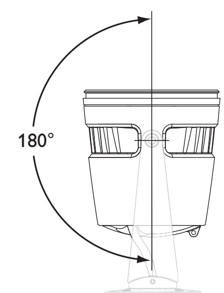
Aiming and Locking ColorBurst Powercore gen2 Landscape Luminaires

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

1. Using a 6 mm hex wrench, loosen the locking nut on the side of the luminaire base.
2. Aim the luminaire by tilting the beam as desired.
3. When the luminaire is aimed as desired, re-tighten the locking nut to secure the luminaire in place. Torque to 33.9 Nm (25 ft-lbs). Do not over-tighten.

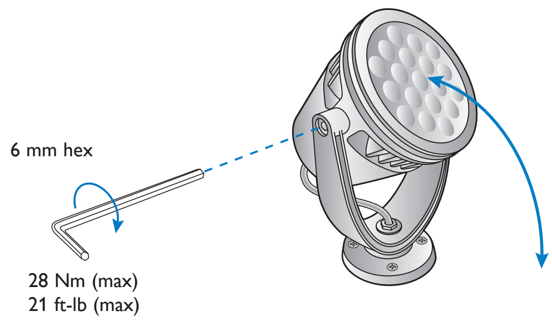


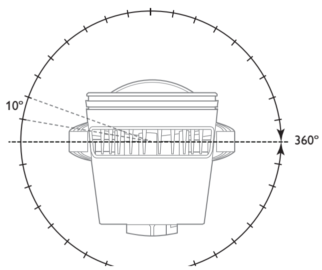




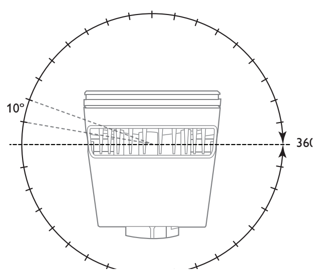
Aiming and Locking ColorBurst Powercore gen2 Architectural Luminaires

1. To tilt the beam:
    - Loosen the locking nuts on either side of the luminaire yoke using a 6 mm hex wrench.
    - Tilt the beam as desired.
    - Re-tighten the locking nuts to secure the luminaire in place. Torque to 28 Nm (21 ft-lbs). Do not over-tighten.
2. To rotate the luminaire:

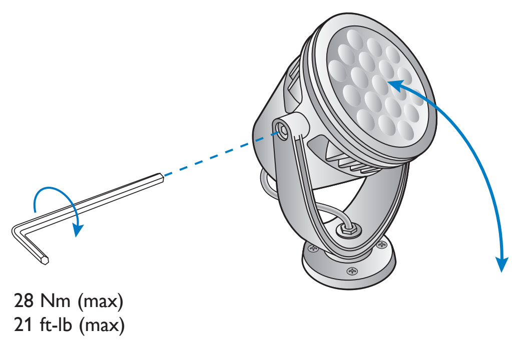




- Loosen the locking nuts on either side of the luminaire yoke's base using a 3 mm hex wrench.
- Rotate the luminaire as desired. Note that the luminaire can be rotated in 10° increments.
- Re-tighten the locking nuts to secure the luminaire in place.



6 mm hex



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