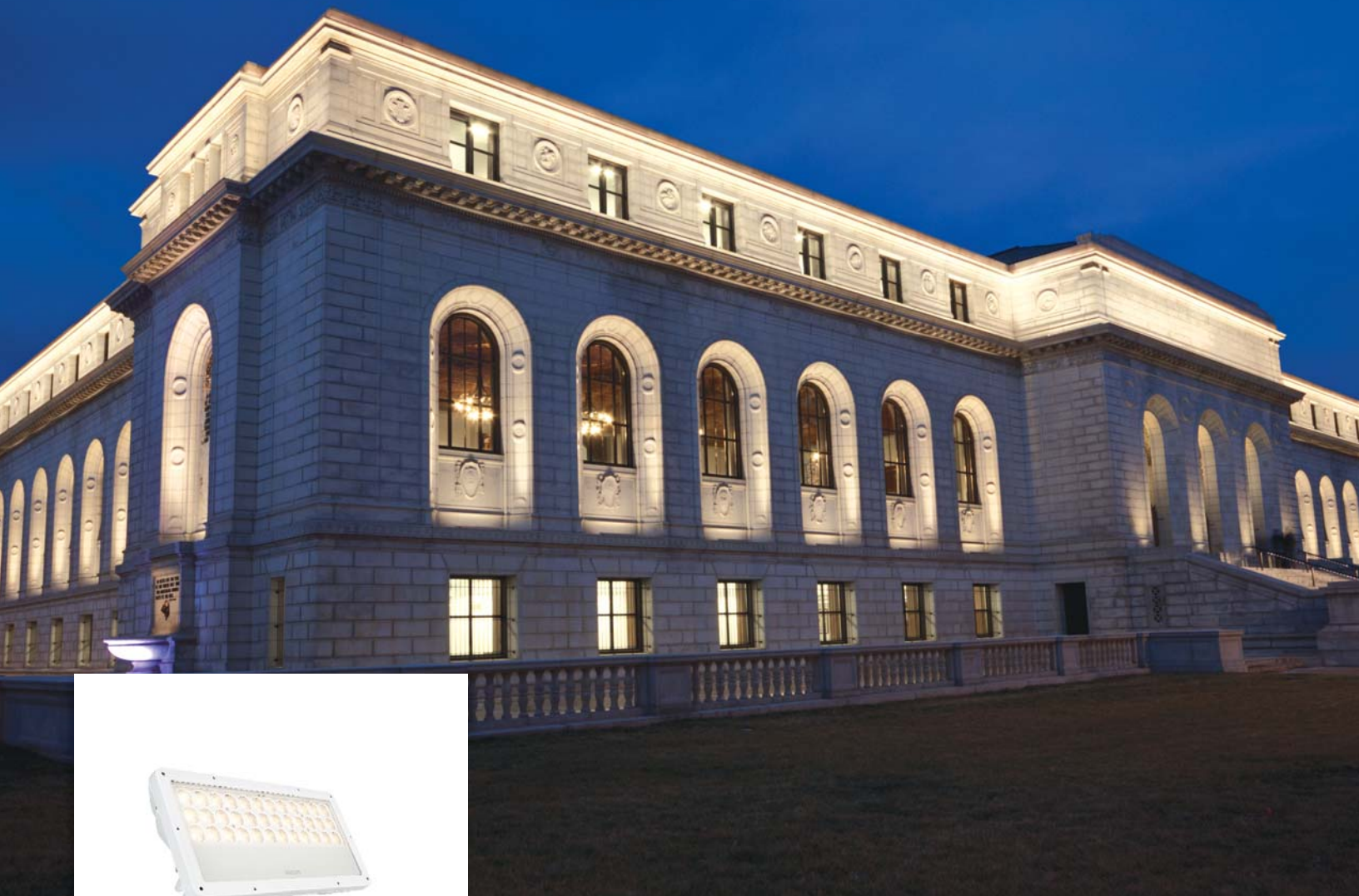




eW Blast Powercore gen4

Customizable exterior LED wash luminaire with solid white light

PHILIPS



eW Blast Powercore gen4

Customizable exterior LED wash luminaire with solid white light

eW Blast Powercore gen4 high-performance LED luminaires provide a high-intensity wash of white light with simplified installation. eW Blast Powercore gen4 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 aluminium housing.

- Expands customization with a wide range of new Philips accessory options. In addition to the native 6° lens, five different diffuser lenses can customize the luminaire to produce 20°, 40°, 60°, 80°, and 10° x 40° (asymmetric) beam angles. Three housing color choices (black, gray, and white)—plus the option to add or combine a louver and rock guard with either a full glare shield or a half glare shield—create new aesthetic possibilities for designers and architects.
- Meets ASTM B117 standard for > 1,500 hours of corrosion resistance and ANSI C136.31-2010 standard with a 3G vibration rating.
- 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.
- Precision Dimming—Smooth dimming down to 1% with optional Data Enabler Pro and digital control interface.
- Works seamlessly with the Philips Color Kinetics full range of controllers, including Light System Manager, Video System Manager, Video System Manager Pro, iPlayer 3, Anbumbra Color Keypad, and ColorDial Pro—as well as third-party controllers.



Outdoor Rated

Fully sealed for maximum luminaire life and IP66-rated for outdoor applications, eW Blast Powercore gen4 meets or exceeds specifications for use in wet locations. Rugged, die-cast aluminium housing is available in white, gray, or black powder-coated finish.

Shining New Light on a Historic Institution

Highlighting the Classic Architecture of the St. Louis Public Library

Public libraries are the perfect place for people of the community to learn about the past, experience the present, and become inspired about the future. When directors of the St. Louis Public Library wanted the Central branch to become more appealing to the public, they illuminated both the inside and outside of the library with LED lighting luminaires from Philips Color Kinetics. Now, stunning architectural details are beautifully lit and more pleasing to the eye, drawing more people into the building and making them feel welcome once they arrive.

Photo Credits: Images courtesy William Tao & Associates, Inc. Lighting Design



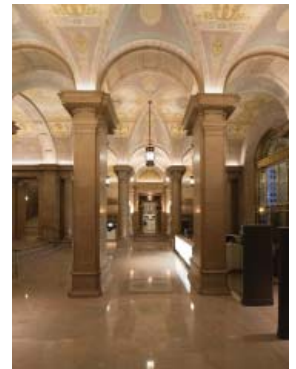
The St. Louis Central Library, designed by architect Cass Gilbert, has been a cornerstone in the community since it was built in 1912. To celebrate its 100th year anniversary, the library underwent major renovations. The lighting designers, Mark de La Fuente and Steve Andert of William Tao & Associates, sought to emphasize the building's classic shapes in a contemporary fashion. The objective of the new design was to infuse lighting throughout the building's exterior architecture to create an iconic nighttime presence and to draw patrons into the building. For the interior, designers wanted to create a welcoming and warm Great Hall and lobby area with the use of strategically placed white lights.

Simplified Installation with Consistent and Controllable Illumination

LED lighting solutions were chosen because of their ability to incorporate easily into the existing façade—LED luminaires have a narrow distribution that allows for efficient illumination of the building's horizontal elements with minimal spill light. The long useful life of the LED light sources allowed for installation in areas that would be too difficult to maintain using light sources that require frequent replacement. Color consistency and controllability were crucial to tune the building's façade and surrounding environment. Philips Color Kinetics LED lighting solutions met these specific requirements, and thus were selected for the installation.

To achieve the exterior lighting goals, a single eW Blast Powercore luminaire was placed in each window bay on the north side of the building, articulating the four-story vertical window slots and cornice. On three sides of the building, a single eW Graze Powercore luminaire was placed in each window, creating a rhythm of lighted arches. eW Graze Powercore luminaires were also mounted in continuous rows atop the second-floor cornice to reveal architectural details that were previously obscure.

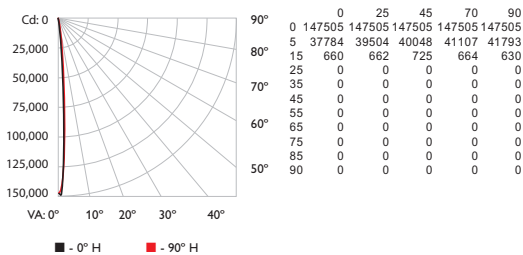
In addition to the white lighting, four color-changing C-Splash 2 submersible spotlights were affixed to each of the lion's head fountains in front of the building—adding a burst of color to this mostly white installation.



eW Blast Powercore gen4 3000 K, 6° native lens

Lumens	3,213
Efficacy	67.4

Polar Candela Distribution



Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	9,219 fc	0.5 ft 0.4 ft
8 ft	2,305 fc	0.9 ft 0.9 ft
12 ft	1,024 fc	1.4 ft 1.3 ft
16 ft	576 fc	1.9 ft 1.8 ft
20 ft	369 fc	2.4 ft 2.2 ft
24 ft	256 fc	2.8 ft 2.6 ft

385 ft (117.3 m)
1 fc maximum distance

■ Vert. Spread: 6.7°
■ Horiz. Spread: 6.3°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,271.2	100.0%
0-40	3,271.2	100.0%
0-60	3,271.2	100.0%
0-90	3,271.2	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	3,271.2	100.0%

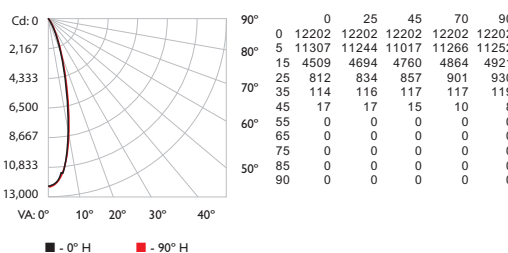
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																
RCC %:	80					50	30		10		0							
RW %:	70	50	30	0	70	50	30	0	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	1.02	1.02	1.02	1.00	
1	1.16	1.15	1.14	1.12	1.14	1.13	1.12	1.00	1.08	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	1.12	1.10	1.09	1.00	1.07	1.06	1.05	1.05	1.04	1.03	1.01	1.01	1.00	0.99
3	1.13	1.10	1.07	1.05	1.11	1.08	1.06	0.99	1.06	1.04	1.03	1.04	1.03	1.01	1.02	1.01	1.00	0.99
4	1.11	1.08	1.05	1.03	1.10	1.07	1.04	0.99	1.05	1.03	1.02	1.03	1.02	1.01	1.02	1.00	1.00	0.99
5	1.10	1.06	1.04	1.02	1.08	1.05	1.03	0.99	1.04	1.02	1.01	1.03	1.01	1.00	1.01	1.00	0.99	0.98
6	1.09	1.05	1.02	1.01	1.08	1.04	1.02	0.98	1.03	1.01	1.00	1.02	1.00	0.99	1.01	1.00	0.99	0.98
7	1.08	1.04	1.02	1.00	1.07	1.03	1.01	0.98	1.02	1.01	0.99	1.02	1.00	0.99	1.01	0.99	0.98	0.98
8	1.07	1.03	1.01	0.99	1.06	1.03	1.00	0.98	1.02	1.00	0.99	1.01	1.00	0.98	1.00	0.99	0.98	0.97
9	1.06	1.02	1.00	0.99	1.05	1.02	1.00	0.98	1.01	0.99	0.98	1.01	0.99	0.98	1.00	0.99	0.98	0.97
10	1.05	1.02	1.00	0.98	1.05	1.01	0.99	0.97	1.01	0.99	0.98	1.00	0.99	0.98	1.00	0.98	0.97	0.97

eW Blast Powercore gen4 3000 K, 20° diffuser lens

Lumens	2,747
Efficacy	57.6

Polar Candela Distribution



Illuminance at Distance

	Center Beam fc	Beam Width
4 ft	763 fc	1.8 ft 1.8 ft
8 ft	191 fc	3.6 ft 3.7 ft
12 ft	85 fc	5.5 ft 5.5 ft
16 ft	48 fc	7.3 ft 7.3 ft
20 ft	31 fc	9.1 ft 9.2 ft
24 ft	21 fc	10.9 ft 11.0 ft

110.5 ft (33.7 m)
1 fc maximum distance

■ Vert. Spread: 25.6°
■ Horiz. Spread: 25.9°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,687.9	96.4%
0-40	2,775.0	99.5%
0-60	2,789.4	100.0%
0-90	2,789.4	100.0%
60-90	0.0	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%

Coefficients Of Utilization - Zonal Cavity Method

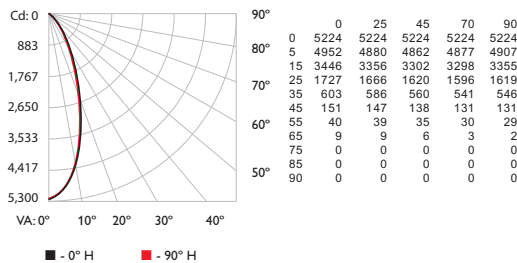
RCC %:						Effective Flow				Cavity				Refractance: 20%					
RW % : 70						80		50		30		10		50		30		20	
RCR:						0		1		2		3		4		5		6	
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	1.00
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	0.97	1.07	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	1.00	1.00
2	1.11	1.08	1.05	1.02	1.09	1.06	1.03	0.94	1.03	1.01	0.99	1.00	0.98	0.97	0.97	0.96	0.95	1.00	1.00
3	1.08	1.03	1.00	0.97	1.06	1.02	0.99	0.91	0.99	0.97	0.95	0.97	0.95	0.93	0.95	0.93	0.92	1.00	1.00
4	1.05	0.99	0.95	0.92	1.03	0.98	0.95	0.88	0.96	0.93	0.91	0.94	0.92	0.90	0.93	0.91	0.89	1.00	1.00
5	1.01	0.96	0.92	0.89	1.00	0.95	0.91	0.86	0.93	0.90	0.87	0.92	0.89	0.87	0.90	0.88	0.86	1.00	1.00
6	0.99	0.92	0.88	0.85	0.97	0.92	0.88	0.83	0.90	0.87	0.84	0.89	0.86	0.84	0.88	0.85	0.83	1.00	1.00
7	0.96	0.89	0.85	0.82	0.95	0.89	0.85	0.81	0.88	0.84	0.82	0.87	0.84	0.81	0.86	0.83	0.81	1.00	1.00
8	0.93	0.87	0.83	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	1.00	1.00
9	0.91	0.84	0.80	0.77	0.90	0.84	0.80	0.76	0.83	0.79	0.77	0.82	0.79	0.77	0.81	0.79	0.77	1.00	1.00
10	0.88	0.82	0.78	0.75	0.88	0.81	0.78	0.74	0.81	0.77	0.75	0.80	0.77	0.75	0.79	0.77	0.75	1.00	1.00

For lux multiply fc by 10.7

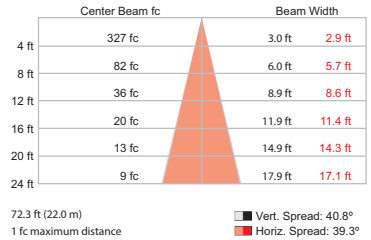
eW Blast Powercore gen4 3000 K, 40° diffuser lens

Lumens	2,728
Efficacy	57.2

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,249.6	81.2%
0-40	2,617.9	94.5%
0-60	2,760.6	99.7%
0-90	2,769.2	100.0%
60-90	8.6	0.3%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%

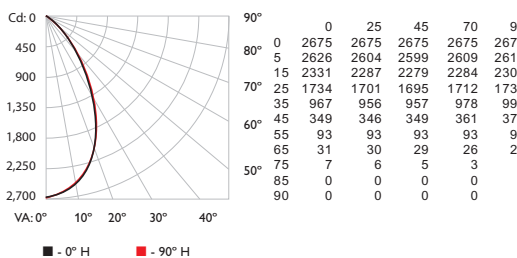
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%											
		80			70			50			30		
		RW	70	50	30	10	70	50	30	10	50	30	10
0	119119119119	119119119119	116116116116	1111111111	106106106	102102102	100	100	100	100	100	100	100
1	116114112111	114112111109	108107106	104104103	101100100	98	98	98	98	98	98	98	98
2	113110107105	11108106104	105104102	102101100	100	99	98	97	96	95	94	93	92
3	110107104101	109105103101	103101	99	101	99	98	97	96	95	94	93	92
4	108104101	98	107103100	98	101	98	97	96	95	94	93	92	91
5	106101	98	96	105101	98	95	99	97	95	98	96	94	92
6	104	99	96	94	103	99	96	94	97	95	93	91	89
7	102	98	94	92	102	97	94	92	96	94	92	90	88
8	101	96	93	91	100	96	93	91	95	92	90	88	86
9	100	95	92	90	99	94	92	90	94	91	89	87	85
10	98	94	91	89	98	93	91	89	93	90	88	86	84

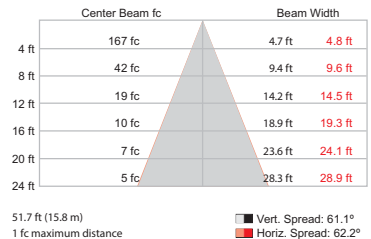
eW Blast Powercore gen4 3000 K, 60° diffuser lens

Lumens	2,723
Efficacy	57.1

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1,743.4	62.5%
0-40	2,375.0	85.2%
0-60	2,749.1	98.6%
0-90	2,787.9	100.0%
60-90	38.8	1.4%
70-100	7.6	0.3%
90-120	0.0	0.0%

Coefficients Of Utilization - Zonal Cavity Method

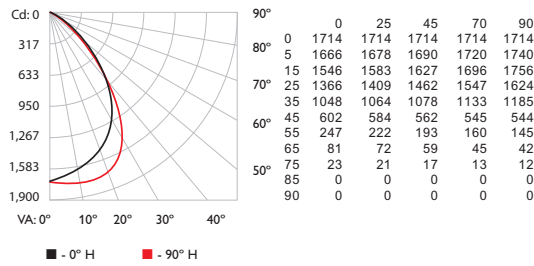
		Effective Floor Cavity Reflectance: 20%											
		80			70			50			30		
		RCC %	70	50	30	0	70	50	30	0	50	30	0
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06
1	1.13	1.10	1.07	1.05	1.11	1.08	1.06	0.93	1.04	1.02	1.00	1.00	0.99
2	1.07	1.02	0.97	0.94	1.05	1.00	0.96	0.86	0.97	0.93	0.91	0.94	0.91
3	1.01	0.94	0.89	0.84	0.99	0.93	0.88	0.79	0.90	0.86	0.82	0.87	0.84
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
5	0.90	0.81	0.75	0.70	0.88	0.80	0.74	0.68	0.78	0.73	0.69	0.77	0.72
6	0.85	0.76	0.69	0.64	0.84	0.75	0.69	0.63	0.73	0.68	0.64	0.72	0.67
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
8	0.76	0.66	0.60	0.55	0.75	0.65	0.59	0.54	0.64	0.59	0.55	0.63	0.58
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
10	0.69	0.58	0.52	0.48	0.68	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51

For lux multiply fc by 10.7

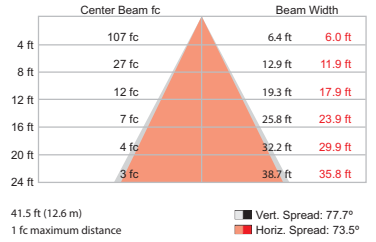
eW Blast Powercore gen4 3000 K, 80° diffuser lens

Lumens	2,701
Efficacy	56.6

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1,337.7	48.3%
0-40	2,049.9	74.0%
0-60	2,686.5	97.0%
0-90	2,770.5	100.0%
60-90	83.9	3.0%
70-100	21.1	0.8%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	2,770.5	100.0%

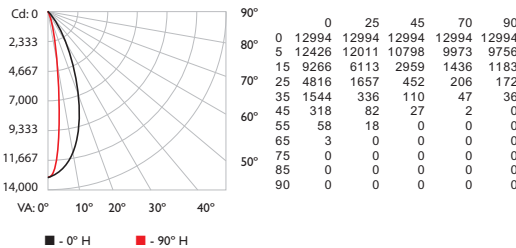
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%												
RCC %:	80	70				50				30				
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20
RCR:	0	1	2	3	4	5	6	7	8	9	10	0	1	2
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	1.12	1.09	1.06	1.03	1.10	1.07	1.04	0.91	1.03	1.01	0.99	0.99	0.97	0.96
2	1.05	0.99	0.94	0.90	1.03	0.97	0.93	0.83	0.94	0.90	0.87	0.91	0.88	0.85
3	0.98	0.91	0.84	0.80	0.96	0.89	0.84	0.75	0.86	0.82	0.78	0.84	0.80	0.76
4	0.92	0.83	0.76	0.71	0.90	0.82	0.75	0.68	0.79	0.74	0.70	0.77	0.73	0.69
5	0.86	0.76	0.69	0.64	0.84	0.75	0.68	0.61	0.73	0.67	0.63	0.71	0.66	0.62
6	0.81	0.70	0.63	0.58	0.79	0.69	0.62	0.56	0.67	0.61	0.57	0.66	0.60	0.56
7	0.76	0.64	0.57	0.52	0.74	0.64	0.57	0.51	0.62	0.56	0.52	0.61	0.55	0.51
8	0.71	0.60	0.53	0.48	0.70	0.59	0.52	0.47	0.58	0.52	0.47	0.57	0.51	0.47
9	0.67	0.55	0.48	0.44	0.66	0.55	0.48	0.43	0.54	0.48	0.44	0.53	0.47	0.43
10	0.63	0.52	0.45	0.40	0.62	0.51	0.45	0.40	0.50	0.44	0.40	0.49	0.44	0.40

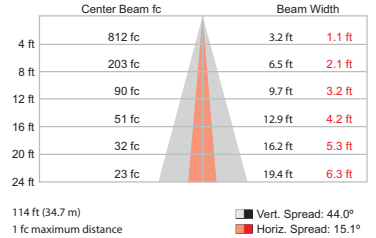
eW Blast Powercore gen4 3000 K, 10° x 40° asymmetric lens

Lumens	2,917
Efficacy	61.2

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,695.0	90.5%
0-40	2,910.5	97.7%
0-60	2,977.1	100.0%
0-90	2,978.0	100.0%
60-90	0.8	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%

Coefficients Of Utilization - Zonal Cavity Method

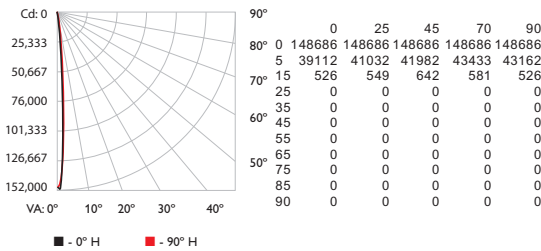
		Effective Floor Cavity Reflectance: 20%													
RCC %:	80	70				50				30					
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	
RCR:	0	1	2	3	4	5	6	7	8	9	10	0	1	2	
0	1.19	1.19	1.19	1.19	1.12	1.10	1.08	1.00	1.11	1.11	1.11	1.06	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.12	1.10	1.09	0.96	1.06	1.05	1.04	1.03	1.02	1.01	0.99
2	1.11	1.07	1.04	1.01	1.09	1.05	1.02	0.93	1.02	1.00	0.96	0.99	0.97	0.96	0.94
3	1.07	1.02	0.98	0.95	1.05	1.00	0.97	0.89	0.98	0.95	0.93	0.91	0.93	0.92	0.88
4	1.03	0.97	0.93	0.90	1.01	0.96	0.92	0.86	0.94	0.91	0.88	0.92	0.90	0.88	0.85
5	1.00	0.93	0.89	0.86	0.98	0.92	0.88	0.83	0.91	0.87	0.84	0.89	0.86	0.83	0.82
6	0.96	0.90	0.85	0.82	0.95	0.89	0.85	0.80	0.87	0.84	0.81	0.86	0.83	0.80	0.79
7	0.93	0.86	0.82	0.79	0.92	0.86	0.81	0.77	0.84	0.81	0.78	0.83	0.79	0.77	0.76
8	0.90	0.83	0.79	0.76	0.89	0.83	0.78	0.74	0.82	0.78	0.75	0.81	0.77	0.75	0.73
9	0.88	0.80	0.76	0.73	0.87	0.80	0.76	0.72	0.79	0.75	0.73	0.78	0.74	0.72	0.71
10	0.85	0.78	0.73	0.71	0.84	0.77	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.69

For lux multiply fc by 10.7

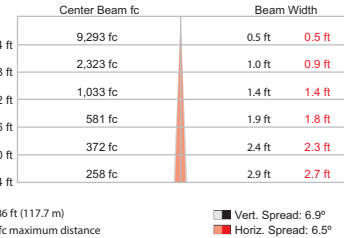
eW Blast Powercore gen4
4000 K, 6° native lens

Lumens	3,189
Efficacy	65.8

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	3,283.3	100.0%
0-40	3,283.3	100.0%
0-60	3,283.3	100.0%
0-90	3,283.3	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	3,283.3	100.0%

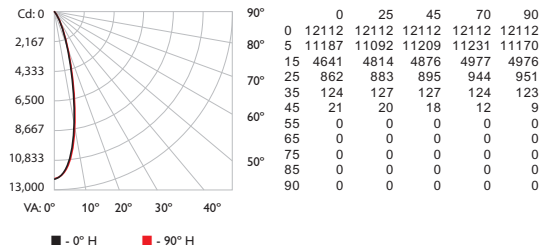
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%											
RCC %:		80			70			50			30		
RW %:		70	50	30	0	70	50	30	0	50	30	20	0
RCR:		0	1	2	3	4	5	6	7	8	9	10	0
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	1.17	1.15	1.14	1.12	1.14	1.13	1.12	1.00	1.09	1.08	1.07	1.05	1.04
2	1.14	1.12	1.10	1.08	1.13	1.10	1.09	1.00	1.07	1.06	1.05	1.03	1.01
3	1.13	1.10	1.07	1.05	1.11	1.08	1.06	0.99	1.06	1.04	1.03	1.02	1.01
4	1.11	1.08	1.05	1.04	1.10	1.07	1.05	0.99	1.05	1.03	1.02	1.01	1.00
5	1.10	1.06	1.04	1.02	1.09	1.06	1.03	0.99	1.04	1.02	1.01	1.00	0.99
6	1.09	1.05	1.03	1.01	1.08	1.05	1.02	0.99	1.03	1.02	1.00	1.01	0.98
7	1.08	1.04	1.02	1.00	1.07	1.04	1.02	0.98	1.03	1.01	1.00	1.01	0.98
8	1.07	1.03	1.01	1.00	1.06	1.03	1.01	0.98	1.02	1.00	0.99	1.01	0.98
9	1.06	1.03	1.00	0.99	1.06	1.02	1.00	0.98	1.01	1.00	0.98	1.01	0.98
10	1.05	1.02	1.00	0.99	1.05	1.02	1.00	0.98	1.01	0.99	0.98	1.00	0.97

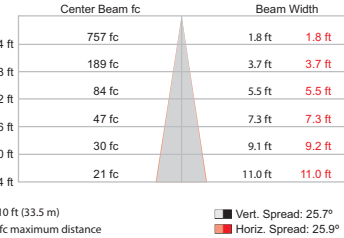
eW Blast Powercore gen4
4000 K, 20° diffuser lens

Lumens	2,726
Efficacy	56.2

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,681.0	96.3%
0-40	2,769.7	99.5%
0-60	2,784.5	100.0%
0-90	2,784.5	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	2,784.5	100.0%

Coefficients Of Utilization - Zonal Cavity Method

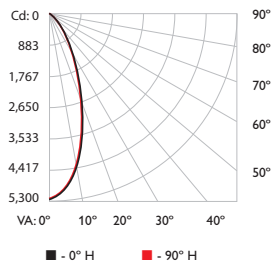
		Effective Floor Cavity Reflectance: 20%											
RCC %:		80			70			50			30		
RW %:		70	50	30	0	70	50	30	0	50	30	20	0
RCR:		0	1	2	3	4	5	6	7	8	9	10	0
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06
1	1.15	1.13	1.11	1.09	1.13	1.11	1.09	0.97	1.07	1.06	1.04	1.03	1.02
2	1.11	1.08	1.05	1.02	1.09	1.06	1.03	0.94	1.03	1.01	0.99	1.00	0.98
3	1.08	1.03	1.00	0.97	1.06	1.02	0.99	0.91	0.99	0.97	0.95	0.95	0.93
4	1.05	0.99	0.95	0.92	1.03	0.98	0.95	0.88	0.96	0.93	0.91	0.94	0.92
5	1.01	0.96	0.92	0.89	1.00	0.95	0.91	0.86	0.93	0.90	0.87	0.92	0.89
6	0.98	0.92	0.88	0.85	0.97	0.92	0.88	0.83	0.90	0.87	0.84	0.89	0.86
7	0.96	0.89	0.85	0.82	0.95	0.89	0.85	0.81	0.88	0.84	0.82	0.87	0.84
8	0.93	0.87	0.82	0.80	0.92	0.86	0.82	0.78	0.85	0.82	0.79	0.84	0.81
9	0.91	0.84	0.80	0.77	0.90	0.84	0.80	0.76	0.83	0.79	0.77	0.81	0.79
10	0.88	0.82	0.78	0.75	0.88	0.81	0.78	0.74	0.81	0.77	0.75	0.80	0.77

For lux multiply fc by 10.7

eW Blast Powercore gen4 4000 K, 40° diffuser lens

Lumens	2,707
Efficacy	55.8

Polar Candela Distribution



Illuminance at Distance

Center Beam fc	Beam Width	
324 fc	3.0 ft	2.9 ft
81 fc	6.0 ft	5.8 ft
36 fc	9.0 ft	8.7 ft
20 fc	12.0 ft	11.5 ft
13 fc	15.0 ft	14.4 ft
9 fc	18.0 ft	17.3 ft

72.1 ft (22.0 m)
1 fc maximum distance

■ Vert. Spread: 41.1°
■ Horiz. Spread: 39.7°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	2,242.8	81.0%
0-40	2,615.3	94.4%
0-60	2,761.5	99.7%
0-90	2,770.4	100.0%
60-90	9.0	0.3%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	2,770.4	100.0%

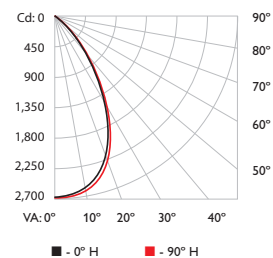
Coefficients Of Utilization - Zonal Cavity Method

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

eW Blast Powercore gen4 4000 K, 60° diffuser lens

Lumens	2,713
Efficacy	55.9

Polar Candela Distribution



Illuminance at Distance

Center Beam fc	Beam Width	
166 fc	4.7 ft	4.8 ft
42 fc	9.5 ft	9.7 ft
18 fc	14.2 ft	14.5 ft
10 fc	19.0 ft	19.4 ft
7 fc	23.7 ft	24.2 ft
5 fc	28.5 ft	29.0 ft

51.5 ft (15.7 m)
1 fc maximum distance

■ Vert. Spread: 61.3°
■ Horiz. Spread: 62.4°

Zonal Lumen

Zone	Lumens	% Luminaire
0-30	1,733.6	62.6%
0-40	2,364.0	85.3%
0-60	2,736.5	98.8%
0-90	2,771.0	100.0%
60-90	34.5	1.2%
70-100	5.6	0.2%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	2,771.0	100.0%

Coefficients Of Utilization - Zonal Cavity Method

RCC %:	80	70	50	30	10	0
RW %:	70	50	30	10	0	0
0	1.19	1.19	1.19	1.19	1.19	1.19
1	1.13	1.10	1.08	1.05	1.04	1.02
2	1.07	1.02	0.97	0.94	0.93	0.91
3	1.01	0.94	0.89	0.84	0.83	0.81
4	0.95	0.87	0.81	0.77	0.76	0.74
5	0.90	0.81	0.75	0.70	0.69	0.68
6	0.85	0.76	0.69	0.65	0.64	0.63
7	0.81	0.71	0.64	0.60	0.59	0.58
8	0.76	0.66	0.60	0.55	0.54	0.53
9	0.72	0.62	0.56	0.52	0.51	0.49
10	0.69	0.58	0.52	0.48	0.47	0.46

For lux multiply fc by 10.7

Lumens	2,687
Efficacy	55.4

90°	0	25	45	70	90
80°	0 1698	1698	1698	1698	1698
	5 1658	1662	1678	1704	1719
	15 1544	1575	1622	1692	1737
70°	25 1373	1413	1468	1562	1629
	35 1062	1085	1118	1172	1218
	45 616	615	600	596	595
60°	55 255	239	214	180	166
	65 83	75	63	50	45
	75 23	21	17	14	13
	85 0	0	0	0	0
50°	90 0	0	0	0	0

The diagram illustrates the beam spread of a projector. It shows a series of horizontal lines representing the beam's width at different vertical distances from the projector. The vertical distance is measured in feet (ft) on the left side, ranging from 4 ft to 24 ft. The center beam distance is labeled 'Center Beam fc' at the top. The beam width is labeled 'Beam Width' at the top. The beam width is given in feet (ft) and is color-coded: black for vertical spread and red for horizontal spread. The beam width increases as the vertical distance increases. A legend at the bottom indicates that the black line represents a vertical spread of 78.5° and the red line represents a horizontal spread of 73.5°.

Vertical Distance (ft)	Center Beam (fc)	Beam Width (ft)
4	106	6.5 (78.5°)
8	27	13.1 (78.5°)
12	12	19.6 (78.5°)
16	7	26.2 (78.5°)
20	4	32.7 (78.5°)
24	3	39.2 (78.5°)

41.2 ft (12.6 m)
1 fc maximum distance

Vertical Spread: 78.5°
Horizontal Spread: 73.5°

Zone	Lumens	% Luminaire
0-30	1,328.6	48.1%
0-40	2,040.2	73.9%
0-60	2,680.6	97.1%
0-90	2,761.7	100.0%
60-90	81.0	2.9%
70-100	19.1	0.7%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	2,761.7	100.0%

CCC %:	80					Effective Force					Cavity Reflectance:					20%			
RW %:	50	30	30	30	0	50	30	20	10	0	50	30	20	10	0	0			
CCR:																			
0	1.19	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.02	1.02	1.02	1.00
1	1.12	1.09	1.06	1.03	1.01	1.07	1.04	0.91	0.91	1.01	1.03	1.01	0.99	0.99	0.97	0.96	0.94	0.93	0.91
2	1.05	0.99	0.94	0.90	0.86	1.03	0.98	0.93	0.83	0.83	0.94	0.91	0.88	0.85	0.83	0.80	0.78	0.76	0.74
3	0.98	0.91	0.84	0.80	0.80	0.96	0.89	0.84	0.75	0.75	0.86	0.82	0.78	0.84	0.80	0.76	0.71	0.78	0.75
4	0.92	0.83	0.76	0.71	0.71	0.92	0.82	0.75	0.68	0.68	0.79	0.74	0.70	0.77	0.73	0.69	0.75	0.71	0.68
5	0.86	0.76	0.69	0.64	0.64	0.84	0.75	0.68	0.61	0.61	0.73	0.67	0.63	0.71	0.66	0.62	0.69	0.65	0.62
6	0.81	0.70	0.63	0.57	0.57	0.79	0.69	0.62	0.53	0.53	0.64	0.59	0.57	0.66	0.61	0.54	0.64	0.58	0.56
7	0.76	0.64	0.57	0.52	0.52	0.74	0.64	0.57	0.51	0.51	0.62	0.56	0.52	0.61	0.55	0.51	0.60	0.55	0.51
8	0.71	0.60	0.53	0.48	0.48	0.69	0.59	0.52	0.47	0.47	0.58	0.52	0.47	0.57	0.51	0.47	0.56	0.51	0.47
9	0.67	0.55	0.48	0.44	0.44	0.66	0.55	0.48	0.43	0.43	0.54	0.48	0.43	0.53	0.47	0.43	0.52	0.47	0.43
10	0.62	0.52	0.45	0.40	0.40	0.61	0.51	0.44	0.39	0.39	0.49	0.43	0.39	0.48	0.42	0.38	0.47	0.41	0.38

Lumens	2,894
Efficacy	59.7

90°	0	25	45	70	90
80°	0 12866	12866	12866	12866	12866
	5 12454	12291	11572	10827	10611
70°	15 9406	6569	3297	1633	1351
	25 4976	1802	483	219	181
	35 1638	348	107	38	21
60°	45 333	76	17	0	
	55 50	7	0	0	
	65 0	0	0	0	
50°	75 0	0	0	0	
	85 0	0	0	0	
	90 0	0	0	0	

The diagram illustrates the relationship between the center beam focus (fc), beam width, and various dimensions for a 15.25 ft maximum distance. The diagram shows a cross-section of a beam with a central focus point (fc) and a beam width. The dimensions are given in feet (ft) and meters (m).

Center Beam fc	Beam Width
804 fc	3.2 ft 1.1 ft
201 fc	6.5 ft 2.1 ft
89 fc	9.7 ft 3.2 ft
50 fc	12.9 ft 4.3 ft
32 fc	16.2 ft 5.3 ft
22 fc	19.4 ft 6.4 ft

113.5 ft (34.6 m)
 1 fc maximum distance

Legend:
 ■ Vert. Spread: 44.0°
 ■ Horiz. Spread: 15.2°

Zone	Lumens	% Luminaire
0-30	2,691.4	91.1%
0-40	2,899.9	98.1%
0-60	2,955.2	100.0%
0-90	2,955.3	100.0%
60-90	0.1	0.0%
70-100	0.0	0.0%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	2,955.3	100.0%

RCC %		80				50				30				10				0				20%
RW %		70	60	50	30	70	60	50	30	70	60	50	30	70	60	50	30	70	60	50	30	
RCR:																						
0	1	19	19	19	19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00
1	1.15	1.13	1.11	1.09	1.07	1.12	1.10	1.09	1.06	1.06	1.05	1.04	1.03	1.02	1.01	1.00	0.99	0.99	0.99	0.98	0.96	0.96
2	1.11	1.07	1.04	1.01	0.99	1.05	1.03	1.02	0.93	1.03	0.98	0.96	0.94	0.96	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.82
3	1.07	1.02	0.98	0.95	0.91	1.05	1.01	0.97	0.89	0.98	0.95	0.93	0.91	0.96	0.93	0.91	0.94	0.92	0.90	0.89	0.89	0.89
4	1.03	0.97	0.93	0.90	1.02	0.96	0.92	0.86	0.94	0.91	0.88	0.92	0.90	0.87	0.91	0.88	0.87	0.85	0.84	0.83	0.81	0.81
5	1.00	0.93	0.89	0.86	0.99	0.93	0.88	0.83	0.91	0.87	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.85	0.83	0.83	0.82	0.82
6	0.98	0.90	0.85	0.82	0.95	0.89	0.84	0.80	0.94	0.88	0.81	0.85	0.82	0.81	0.85	0.82	0.80	0.83	0.80	0.80	0.79	0.79
7	0.93	0.86	0.82	0.79	0.92	0.86	0.82	0.77	0.85	0.81	0.78	0.84	0.80	0.78	0.83	0.80	0.77	0.78	0.76	0.76	0.76	0.76
8	0.90	0.83	0.79	0.76	0.89	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.78	0.75	0.81	0.78	0.75	0.74	0.73	0.73	0.74	0.74
9	0.88	0.81	0.76	0.73	0.87	0.80	0.76	0.72	0.79	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.74	0.72	0.72	0.71	0.71
10	0.86	0.78	0.73	0.70	0.85	0.78	0.74	0.70	0.78	0.75	0.72	0.78	0.74	0.72	0.77	0.74	0.71	0.73	0.71	0.71	0.70	0.70

eW Blast Powercore gen4 Product Guide 9

eW Blast Powercore gen4 Specifications

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

Item	Color Temperature*	6°	20°	40°	60°	80°	10° x 40°
Lumens†	3000 K	3,213	2,747	2,728	2,723	2,701	2,917
	4000 K	3,189	2,726	2,707	2,713	2,687	2,894
Efficacy (lm/W)	3000 K	67.4	57.6	57.2	57.1	56.6	61.2
	4000 K	65.8	56.2	55.8	55.9	55.4	59.7

Item	Specification*	2700 K, 3000 K, 3500 K, 4000 K
Output	Beam Angle	6° primary optic (no diffuser) Optional diffusers: 20°/40°/60°/80°/10° x 40° (asymmetric)
	Effective Projected Area (EPA)	0.068 m²
Electrical	Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz via Data Enabler Pro
	Power Consumption	50 W maximum at full output, steady state
	Power Factor	0.9 @ 120 VAC, 0.85 @ 277 VAC
Control		On/Off or Precision Dimming by 4 conductor cable & DE Pro
Physical	Dimensions (Height x Width x Depth)	185 x 338 x 171 mm (7.3 x 13.3 x 6.75 in)
	Weight	3.9 kg (8.2 lb)
	Housing	Die-cast aluminium, white, black, or gray powder-coated finish
	Lens	Clear tempered glass
	Luminaire Connections	1.8 m (6 ft) combined power data whip
	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
	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	Humidity	0 to 95%, non-condensing
	Certification	UL/cUL, FCC Class B, CE, PSE, CQC, RCM, EAC, UA
	Environment	Dry/Damp/Wet Location, IP66
	Corrosion Resistance	ASTM B117 > 1,500 hours
	Vibration Resistance	ANSI C136.31-2010 3G
	Mechanical Impact	IK10

Lumen Maintenance†

Threshold§	Ambient Temperature	Reported¶	Calculated
L90	@ 25°C	28,000 hrs	28,000 hrs
	@ 50°C	27,000 hrs	27,000 hrs
L70	@ 25°C	51,000 hrs	84,000 hrs
	@ 50°C	51,000 hrs	83,000 hrs
L50	@ 25°C	51,000 hrs	>100,000 hrs
	@ 50°C	51,000 hrs	>100,000 hrs

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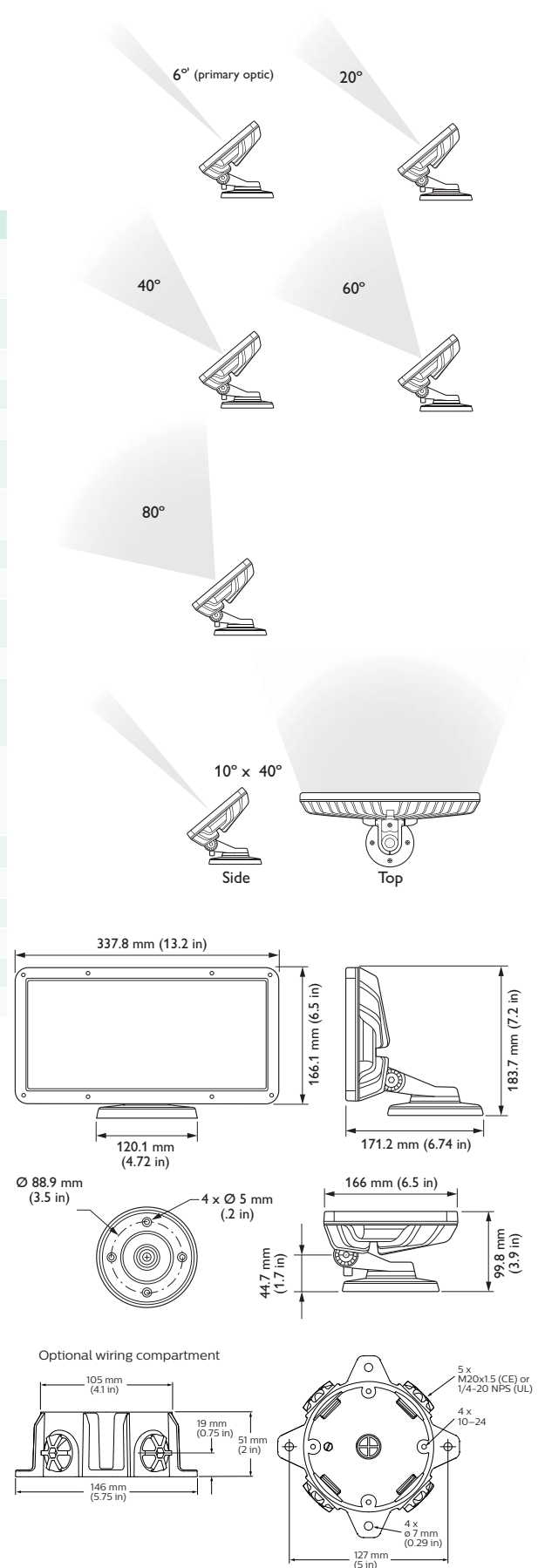


* Correlated color temperature (CCT) complies with ANSI C78.377-2008 for the chromaticity of solid state lighting products.

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

§ L_{xx} = xx% lumen maintenance (when light output drops below xx% of initial output). All values are given at B50, or the median value where 50% 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.



Additional Configurations

In addition to the standard configurations listed in this Product Guide, custom configurations are also available with non-standard options. See the eW Blast Powercore gen4 Ordering Information Sheet at www.colorkinetics.com/l/essentialwhite/eW-Blast-Powercore-gen4/ for complete details.

Included in the box

eW Blast Powercore gen4 luminaire
(2) 8-32 screws for indoor installation
(4) 10-24 stainless steel screws for outdoor installation
5 mm hex wrench
2.5 mm hex wrench
Installation Instructions

* For complete instructions on how to install the accessories, refer to the Accessory Installation Instructions at: www.colorkinetics.com/l/essentialwhite/eW-Blast-Powercore-gen4/

Luminaires and Data Enabler Pro

Item	Type	Housing Color	Item Number	Philips 12NC
eW Blast Powercore gen4	2700 K*	White	523-000100-00	912400134975
		Black	523-000100-01	912400134973
		Gray	523-000100-08	912400134977
	3000 K	White	523-000100-24	912400135496
		Black	523-000100-25	912400135497
		Gray	523-000100-26	912400135498
	3500 K*	White	523-000100-30	912400135503
		Black	523-000100-31	912400135504
		Gray	523-000100-32	912400135505
	4000 K	White	523-000100-04	912400134981
		Black	523-000100-05	912400134979
		Gray	523-000100-09	912400134983

*Other CCTs and associated photometry available upon request. Consult factory.
Use Item Number when ordering in North America.

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.

Accessories

Designed specifically for the family of Blast luminaires, accessories install directly to the luminaire to provide additional options for controlling and dispersing light.

Item	Item Number	Philips 12NC	Color	
Diffuser Trim Ring	120-000185-00	912400130336	White	
	120-000185-01	912400130337	Black	
	120-000185-15	912400133530	Gray	
Louver	120-000185-04	912400130340	White	
	120-000185-05	912400130341	Black	
	120-000185-17	912400133532	Gray	
Rock Guard	120-000185-06	912400130342	White	
	120-000185-07	912400130343	Black	
	120-000185-18	912400133533	Gray	
Half Glare Shield	120-000185-13	912400130349	White	
	120-000185-14	912400130350	Black	
	120-000185-19	912400133534	Gray	
Full Glare Shield	120-000185-02	912400130338	White	
	120-000185-03	912400130339	Black	
	120-000185-16	912400133531	Gray	

Use Item Number when ordering in North America.

Spread Lenses

Diffuser (Spread Lens), 20°	120-000185-08	912400130344	
Diffuser (Spread Lens), 40°	120-000185-09	912400130345	
Diffuser (Spread Lens), 60°	120-000185-10	912400130346	
Diffuser (Spread Lens), 80°	120-000185-11	912400130347	
Diffuser (Spread Lens), 10° x 40° (Asymmetric)	120-000185-12	912400130348	

Use Item Number when ordering in North America.

Wiring Compartment

Item	Housing Color	Item Number	Philips 12NC
Wiring Compartment UL/cUL	Black	106-000011-30	910503704147
	White	106-000011-31	910503704148
	Gray	106-000011-32	910503704149
Wiring Compartment CE	Black	106-000011-40	910503703275
	White	106-000011-41	910503703276
	Gray	106-000011-42	910503703277

Use Item Number when ordering in North America.

Installation

eW Blast Powercore gen4 is an LED wash light providing high-intensity white light while consuming less energy than comparable non-LED luminaires. Powercore, which delivers line voltage directly to the luminaire, eases installation by eliminating the need for external power supplies or special wiring.

Owner/User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate eW Blast Powercore gen4 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.

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 damp or wet locations. Additionally, you must use gaskets, clamps, and other parts required for installation to comply with all applicable local and national codes.

Planning a Precision Dimming Installation

eW Blast Powercore gen4 can be dimmed using a Data Enabler Pro setup. If you plan on precision dimming eW Blast Powercore gen4, you will need to plan out your installation.

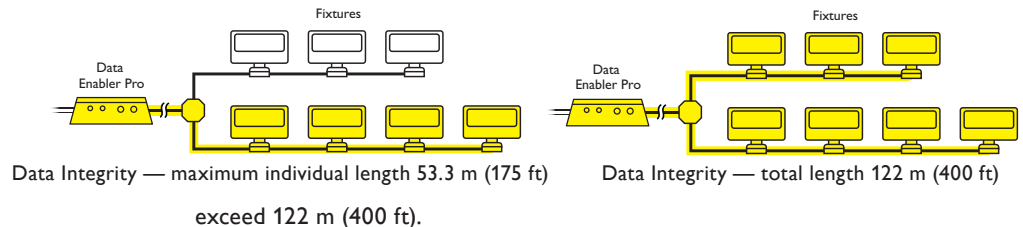
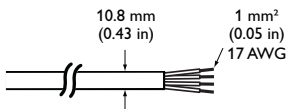
1. Determine the appropriate location of each Data Enabler Pro in relation to the light luminaires, and of the light luminaires in relation to each other.

eW Blast Powercore gen4 luminaires can be installed in series or in parallel (wired to a common junction box). The maximum number of luminaires each Data Enabler Pro can support depends on specific configuration details such as luminaire spacing, circuit size, line voltage, and method of connection (in series or in parallel). 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

Leader Cable Dimensions

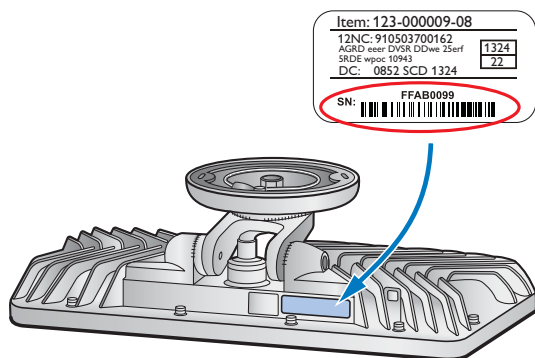


2. On an architectural diagram or other diagram that shows the physical layout of the installation, identify the locations of all switches, controllers, Data Enabler Pro devices, luminaires, and cables.

✳ Refer to the eW Blast Powercore Installation Instructions at www.colorkinetics.com/l/essentialwhite/eW-Blast-Powercore-gen4/ for specific warning and caution statements.

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

- Each eW Blast Powercore gen4 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.



- Assign each luminaire to a position in the lighting design plan.
- 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.

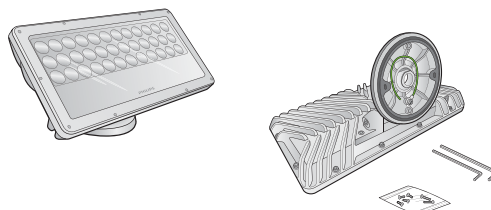
Assemble Additional Parts and Tools

Make sure all additional parts and tools are available, including:

- The provided 8-32 screws for indoor installations, or the 10-24 stainless steel screws for outdoor installations
- The provided 5 mm and 2.5 mm hex key wrenches
- In the US, 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 junction box manufacturer's literature for additional items required for mounting or sealing.)
- A sufficient length of 4 mm² (12 AWG), 4-conductor stranded copper wire
- Conduit as required
- Electronics-grade room temperature vulcanizing (RTV) silicone sealant as required

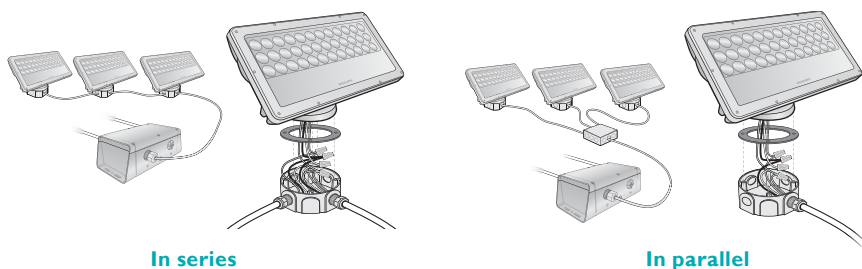
Included in the box

eW Blast Powercore gen4 luminaire
(2) 8-32 stainless steel screws for indoor installation
(4) 10-24 stainless steel screws for outdoor installation
5 mm hex wrench
2.5 mm hex wrench
Installation Instructions



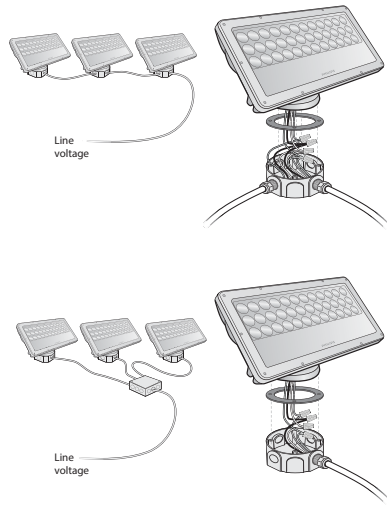
Install the Luminaires

eW Blast Powercore gen4 luminaires can be installed in series or in parallel (wired to a common junction box). Each luminaire requires a dedicated junction box for mounting. Ensure that all junction boxes are suitable for the environment and that all wiring between junction boxes complies with local codes.



* In locations where US junction boxes are not available, you can mount luminaires directly to a wall or other mounting surface. For help with your specific installation, consult your local support organization, or contact Application Engineering Services at support@colorkinetics.com.

✳ When installing eW Blast Powercore gen4 luminaires, the input earth ground, canopy earth ground, and luminaire cable earth ground must all be connected together.



⚠ Wiring between junction boxes must comply with local codes.

Standard ON/OFF Control Installation

Make sure the power is OFF before mounting and connecting eW Blast Powercore gen4 luminaires.

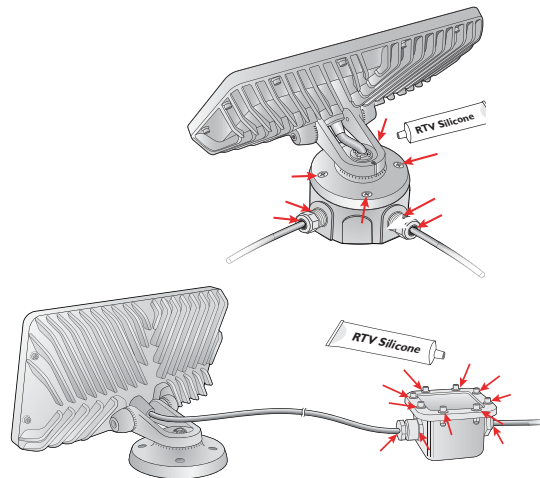
1. Mount junction boxes in accordance with the lighting design plan. Each luminaire is designed for mounting in a 102 mm (4 in) round US electrical junction box, rated for your application, with 89 mm (3.5 in) center-to-center screw holes for attaching the luminaire's base.

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.

2. If installing luminaires in a series, pull 4-conductor copper wire between each junction box in the series.

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

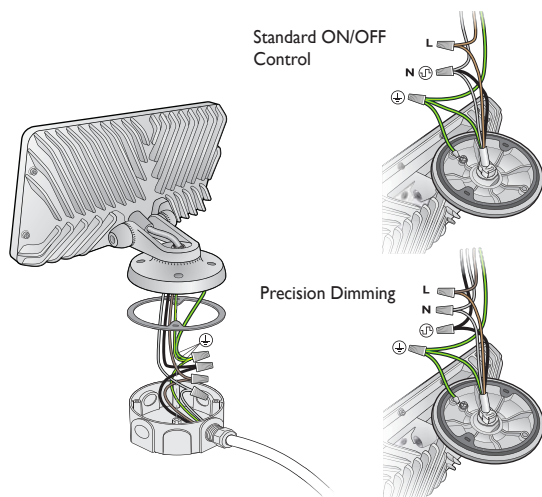
3. If installing in a damp or wet location, seal all junction boxes with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.



Precision Dimming Installation

For Precision Dimming using a Data Enabler Pro, the maximum cable run from a Data Enabler Pro to any individual eW Blast Powercore gen4 luminaire is 53 m (175 ft). When installing in parallel, the total cable length cannot exceed 122 m (400 ft).

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 the single luminaire cable. Additional cabling is required to connect luminaires together in series.
2. Verify that all additional supporting equipment (switches, controllers) is in place.
3. Trim the cable from the luminaire to fit in the junction box, leaving enough cable to make wiring connections.
4. Insert the luminaire cable and the canopy ground wire through the attached gasket ring before making wire connections. When attaching the luminaire to the junction box, ensure that the gasket is compressed evenly.

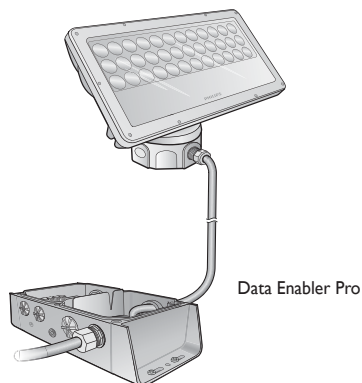


5. Use wire connectors to connect line, neutral, ground, and data.

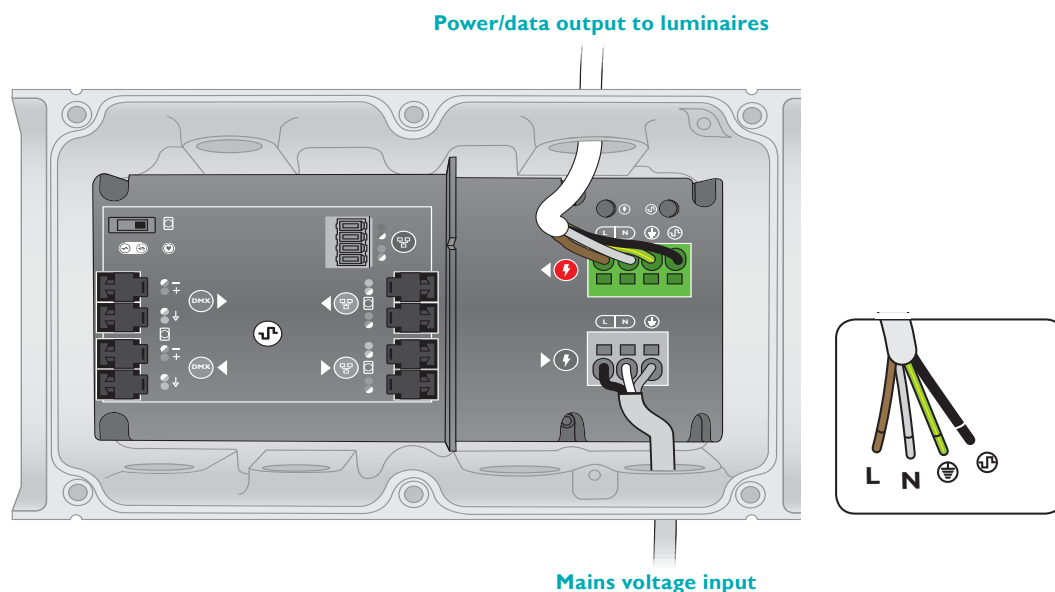
If installing in series, connect the leader cable from each luminaire to the luminaire's junction box.

If installing in parallel, connect the wires from each luminaire to the lead wire from the line power source in the common junction box.

6. 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.
7. Tuck wire connections into the junction box, and use the provided screws to attach the luminaire to the junction box.
8. 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.



9. Secure the Data Enabler Pro cover. If installing in a wet or damp location, seal the Data Enabler Pro with electronics-grade RTV silicone sealant.



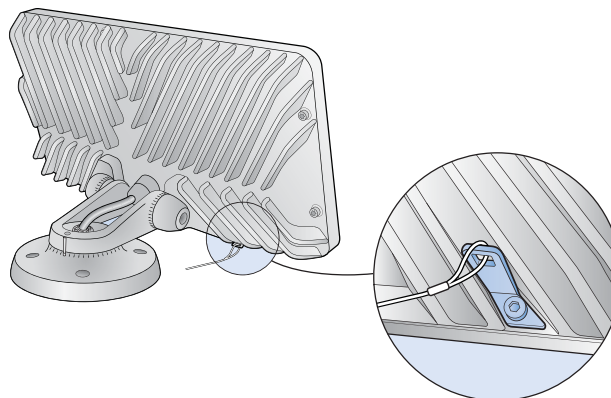
* Refer to the Data Enabler Pro Product Guide for comprehensive installation and configuration instructions. You can view or download the guide from www.colorkinetics.com/lis/pds/dataenablerpro

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 1,089 kg (2,400 lb).
Construction	7 x 7 (49 wires) preformed stranded

Attach Safety Cable (Optional)

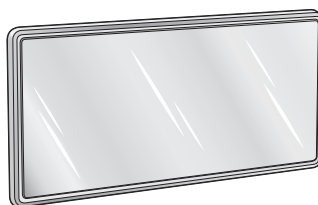
Each eW Blast Powercore gen4 luminaire is designed for use with a safety cable to tether it to a secure anchor point. When dictated by local or state code or advised by a structural engineer, attach a safety cable to the bracket on the back of the luminaire. Attach the safety cable to the mounting surface using a method that follows the code or engineer's requirements.



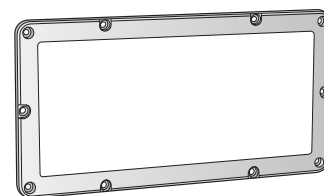
Attach Accessories (Optional)

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

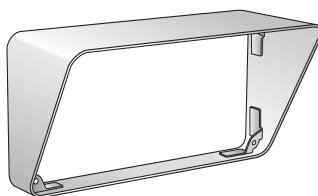
* For complete instructions on how to install the accessories, refer to the *Accessory Installation Instructions* at www.colorkinetics.com/l/essentialwhite/eW-Blast-Powercore-gen4/



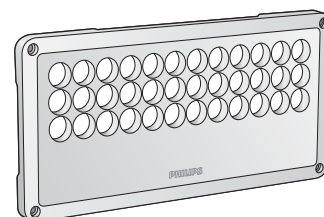
Spread Lens



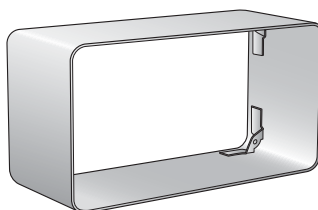
Trim Ring



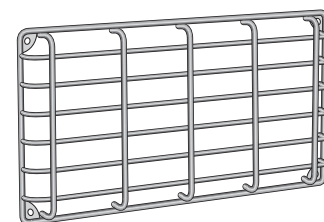
Glare Shield - Half



Louver



Glare Shield - Full



Rock Guard

Address and Configure the Luminaires (for Precision Dimming Only)

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

You address and configure eW Blast Powercore gen4 luminaires using QuickPlay Pro addressing and configuration software, which you can download for free from www.colorkinetics.com/support/addressing/.

- 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.

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

Addressing eW Blast Powercore gen4 Luminaires

eW Blast Powercore gen4 luminaires operate in 8-bit mode by default. You can configure eW Blast Powercore gen4 to operate in 16-bit mode, which increases luminaire resolution for smoother dimming.

eW Blast Powercore gen4 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 where different luminaires have different intensities, you must assign unique DMX addresses to your luminaires and sort them in a useful order.

Setting Luminaire Dimming Curve

Dimming curves describe how slowly or quickly a luminaire dims at different levels of input. For finer control, eW Blast Powercore gen4 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. eW Blast Powercore gen4 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

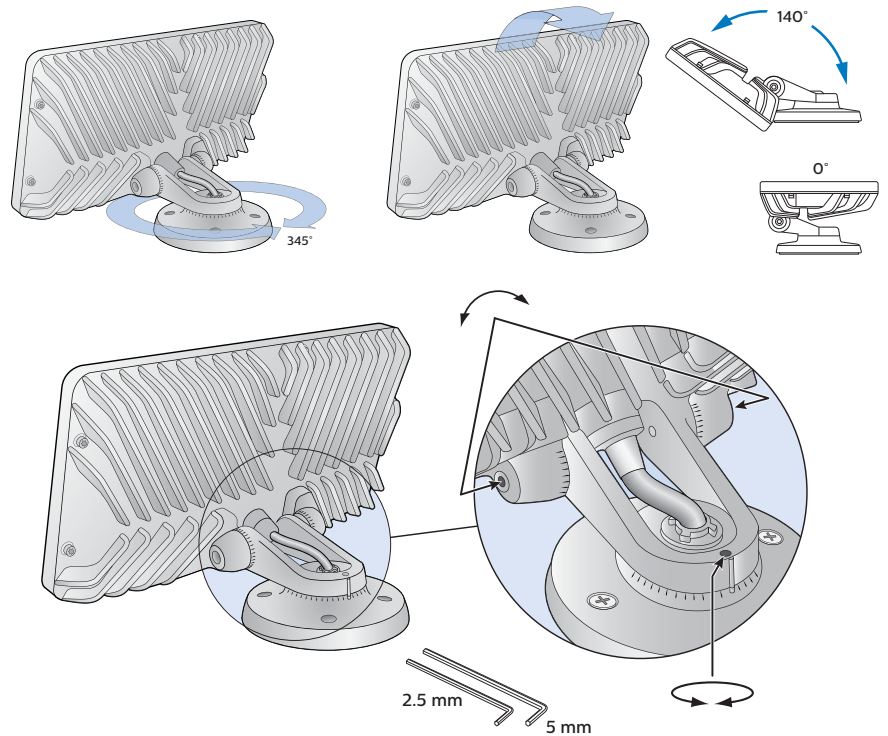
Normally, LEDs react to DMX or other control data instantaneously. In some cases, you may want to slow down the reaction speed to achieve smoother transitions when the intensity of different LED channels changes. eW Blast Powercore gen4 offers five levels of decreasing LED transition speed, from Fast (instant snap changes) to Delay-4 (slowest transition speed).

Aim and Lock the Luminaires

Make sure the power is ON before aiming and locking the luminaires.

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

To aim the luminaires, rotate the base and tilt the beam as desired. Using the appropriate hex wrench, lock the luminaire in place by tightening three set screws—two set screws lock tilt, and a single screw locks rotation.



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