



eW Burst Powercore

Architectural and landscape LED spotlight with solid white light

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eW Burst Powercore and eW Burst Compact Powercore are high-output, exterior-rated LED lighting luminaires designed for accent and site lighting. Architectural and Landscape versions deliver high-quality white light output in a warm 2700 K and a neutral 4000 K to support a range of uplighting, floodlighting, and decorative lighting applications.

- Integrates patented Powercore technology — Powercore rapidly, efficiently, and accurately controls power output to luminaires directly from line voltage, eliminating the need for an external power supply. Contractor-friendly installation dramatically simplifies installation and lowers total system cost.
- Flexible mounting in architectural applications — Architectural luminaires feature an integrated yoke with canopy base for mounting to standard US junction boxes or directly to a flat surface or substrate as local codes permit.
- Support for a wide range of landscape applications — 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 for use in softscape and hardscape applications.
- Exchangeable optics and accessories — Available 14°, 23°, 41°, and asymmetric 10° x 41° spread lenses project a soft-edge beam to support a wide range of lighting applications. Native 8° beam angle offers extended light projection. Available glare shields block spill light, while honeycomb louvers limit the spread of light for a more focused and intense beam.
- Versatile light positioning — Luminaires can tilt through a full 180°. Architectural luminaires can also rotate through a full 360° for precise aiming. Locking screws accept standard hex wrenches to secure luminaires firmly in position.
- Universal power input range — Accepts a power input range of 100 to 277 VAC.
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Outdoor rated — With a rugged, die-cast aluminium housing fully sealed for maximum luminaire life and IP66-rated for outdoor applications, eW Burst Powercore and eW Burst Compact Powercore is ideal for use in damp or wet locations.



Two Versions, Two Sizes

eW Burst Powercore Architectural and Landscape luminaires are available in standard and compact sizes for all accent and site lighting needs.

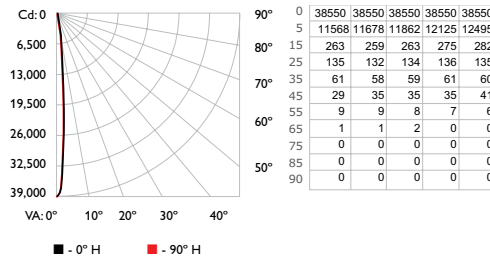
Photometrics

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

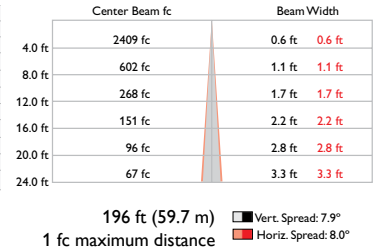
eW Burst Powercore 2700 K, 8° primary optic

Lumens	1,168
Efficacy	39.9 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	1,095.8	93.8%	93.8%
0-40	1,135.7	97.3%	97.3%
0-60	1,167.0	99.9%	99.9%
0-90	1,167.8	100%	100%
90-180	0	0%	0%
0-180	1,167.8	100%	100%
Efficiency Total:	100%		

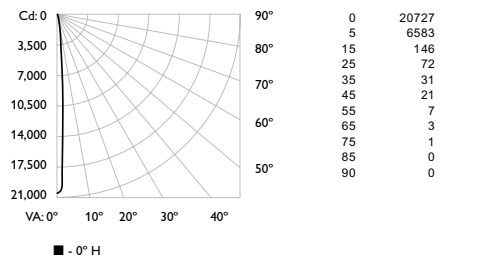
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%		20%		10%		0%	
RCC %:	80	70	50	30	10	0	0
RW %:	70	50	30	10	0	0	0
1	1.16	1.14	1.13	1.11	1.14	1.12	1.11
2	1.13	1.10	1.08	1.06	1.11	1.09	1.07
3	1.11	1.07	1.04	1.02	1.09	1.06	1.03
4	1.09	1.04	1.01	0.99	1.07	1.03	1.01
5	1.07	1.02	0.99	0.97	1.05	1.01	0.99
6	1.05	1.00	0.97	0.95	1.04	1.00	0.97
7	1.03	0.99	0.96	0.94	1.02	0.98	0.95
8	1.02	0.97	0.94	0.92	1.01	0.97	0.94
9	1.01	0.96	0.93	0.91	1.00	0.96	0.93
10	0.99	0.95	0.92	0.90	0.99	0.95	0.92

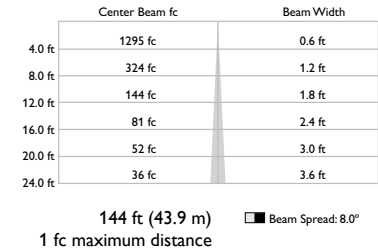
eW Burst Compact Powercore 2700 K, 8° primary optic

Lumens	624
Efficacy	41.9 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	576	92.2
0- 40	597	95.6
0- 60	619	99.1
0- 90	624	100.0
90-180	0	0.0
0-180	624	100.0

Coefficients Of Utilization - Zonal Cavity Method

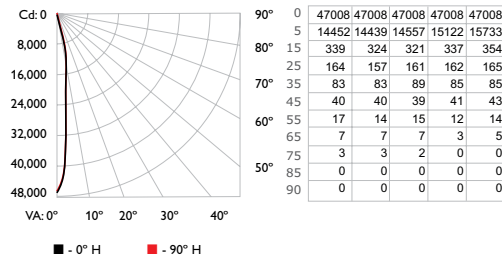
Effective Floor Cavity Reflectance: 20%		20%		10%		0%	
RC	80	70	50	30	10	0	0
RW	70	50	30	10	0	0	0
0	119119119119	116116116116	111111111111	106106106	102102102	100	100
1	116114112111	113112110109	108107106	104103103	101100100	98	98
2	113110107105	11108106104	105103102	102101100	100 98 98	96	96
3	110106103101	108105102100	103100 99	100 99 97	98 97 96	95	95
4	108103100 98	106102100 97	101 98 96	99 97 95	97 96 94	93	93
5	106101 98 96	104100 97 95	99 96 94	97 95 94	96 94 93	92	92
6	104 99 96 94	103 99 96 93	97 95 93	96 94 92	95 93 92	91	91
7	102 97 94 92	101 97 94 92	96 93 92	95 93 91	94 92 91	90	90
8	101 96 93 91	100 96 93 91	95 92 90	94 92 90	93 91 90	89	89
9	100 95 92 90	99 94 92 90	94 91 89	93 91 89	92 90 89	88	88
10	98 94 91 89	98 93 91 89	93 90 89	92 90 88	92 90 88	88	88

For lux multiply fc by 10.7

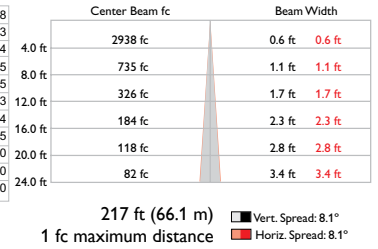
eW Burst Powercore 4000 K, 8° primary optic

Lumens	1,475
Efficacy	49.3 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	1,372.7	93.1%	93.1%
0-40	1,428.4	96.9%	96.9%
0-60	1,470.4	99.7%	99.7%
60-90	4.4	0.3%	0.3%
0-90	1,474.8	100%	100%
90-180	0	0%	0%
0-180	1,474.8	100%	100%
Efficiency Total: 100%			

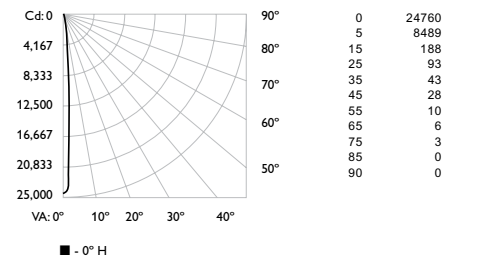
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%													
RCC %:		80			70			50			30		
RW %:		20	50	30	0	20	50	30	0	50	30	20	50
RCR:		0	1	2	3	4	5	6	7	8	9	10	0
1		1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.06	1.06
2		1.16	1.14	1.13	1.11	1.14	1.12	1.11	.99	1.08	1.07	1.06	1.04
3		1.13	1.10	1.08	1.06	1.11	1.08	1.06	.97	1.05	1.04	1.02	1.03
4		1.11	1.07	1.04	1.02	1.09	1.06	1.03	.96	1.03	1.01	.99	1.01
5		1.08	1.04	1.01	.99	1.07	1.03	1.00	.94	1.01	.99	.97	.98
6		1.06	1.02	.99	.96	1.05	1.01	.98	.93	.99	.97	.95	.98
7		1.04	1.00	.97	.94	1.03	.99	.96	.92	.98	.95	.94	.97
8		1.03	.98	.95	.93	1.02	.98	.95	.91	.97	.94	.92	.96
9		1.01	.97	.94	.92	1.01	.96	.93	.90	.95	.93	.91	.95
10		1.00	.95	.92	.91	.99	.95	.92	.90	.94	.92	.90	.94
11		.99	.94	.91	.90	.98	.94	.91	.89	.93	.91	.89	.93

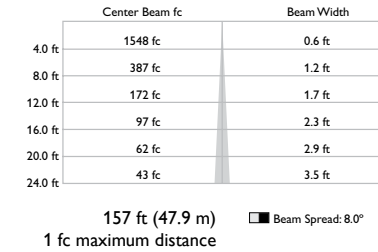
eW Burst Compact Powercore 4000 K, 8° primary optic

Lumens	812
Efficacy	53.8 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	744	91.6
0- 40	773	95.2
0- 60	803	98.9
0- 90	812	100.0
90-180	0	0.0
0-180	812	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%													
RC		80			70			50			30		
RW		70	50	30	10	70	50	30	10	50	30	10	0
0		1191	191	191	119	1161	161	161	116	1111	1111	1061	1061
1		1161	141	121	111	1131	121	101	109	1081	071	1041	031
2		1131	101	071	105	1111	081	061	104	1051	031	1021	011
3		1101	061	031	101	1081	051	021	100	1031	001	100	98
4		1081	031	001	100	1061	021	99	97	100	98	96	94
5		1061	01	98	95	1041	001	97	95	99	96	94	92
6		104	99	96	93	103	98	95	93	97	94	93	91
7		102	97	94	92	101	97	94	92	96	93	91	90
8		101	96	93	91	100	95	92	90	94	92	90	89
9		99	94	91	89	99	94	91	89	93	91	89	88
10		98	93	90	89	97	93	90	88	92	90	88	87

For lux multiply fc by 10.7

Lumens	1,022
Efficacy	34.9 lm/W

90°	0	11990	11990	11990	11990	11990
	5	8315	8298	8291	8309	8376
80°	15	750	729	700	686	699
	25	139	137	137	138	138
70°	35	65	64	64	65	65
	45	28	29	29	29	30
60°	55	10	11	11	11	9
	65	3	2	2	1	0
	75	0	0	0	0	0
50°	85	0	0	0	0	0
	90	0	0	0	0	0

	Center Beam fc	Beam Width
4.0 ft	749 fc	1.0 ft 1.0 ft
8.0 ft	187 fc	2.0 ft 2.0 ft
12.0 ft	83 fc	3.0 ft 2.9 ft
16.0 ft	47 fc	4.0 ft 3.9 ft
20.0 ft	30 fc	5.0 ft 4.9 ft
24.0 ft	21 fc	6.0 ft 5.9 ft

109.5 ft (33.4 m)
1 fc maximum distance

Vert. Spread: 14.4°
 Horiz. Spread: 14.0°

Zone	Lumens	% Lamp	% Luminaire
0-30	948.9	92.9%	92.9%
0-40	990.1	96.9%	96.9%
0-60	1,020.3	99.9%	99.9%
60-90	1.2	0.1%	0.1%
0-90	1,021.6	100%	100%
90-180	0	0%	0%
0-180	1,021.6	100%	100%
Efficiency Total: 100%			

ACC %:		80				70				50				Effective Floor Cavity Reflection: 20%								
RW %:		20	50	80	0	20	50	80	0	20	50	80	0	20	50	80	100	20	50	80	100	
RCR: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	1.06	1.06	1.02	1.02	1.02	1.02	
1	1.16	1.14	1.12	1.10	1.13	1.12	1.10			0.98	1.08	1.06	1.05	1.04	1.03	1.02	1.01	1.00	99	98	97	98
2	1.12	1.09	1.06	1.04	1.10	1.08	1.05	0.96	1.04	1.03	1.01	1.02	1.00	0.99	99	98	97	96	95	93	93	
3	1.09	1.05	1.02	1.00	1.08	1.04	1.01	0.94	1.02	0.98	97	97	97	96	96	97	96	97	96	95	93	
4	1.07	1.02	99	96	1.05	1.01	0.98	92	97	97	94	94	92	91	90	89	88	87	86	85	84	
5	1.04	99	96	93	1.03	0.98	95	90	97	94	92	95	93	91	94	92	91	90	89	88	87	
6	1.02	97	93	91	1.01	96	93	89	95	92	90	91	89	93	91	89	93	90	89	88	86	
7	1.00	95	91	89	99	94	91	87	93	90	88	92	89	88	91	89	87	87	86	85	84	
8	99	93	89	88	98	93	89	86	92	88	86	90	88	86	89	87	86	86	85	84	83	
9	96	91	88	85	90	87	84	80	87	85	83	87	85	83	86	85	84	83	82	81	80	
10	95	89	86	84	94	89	86	83	88	86	84	88	85	83	87	85	83	82	81	80	79	

Lumens	543
Efficacy	36.4 lm/W

	Center Beam fc	Beam Width
4.0 ft	363 fc	1.1 ft
8.0 ft	91 fc	2.1 ft
12.0 ft	40 fc	3.2 ft
16.0 ft	23 fc	4.3 ft
20.0 ft	15 fc	5.3 ft
24.0 ft	10 fc	6.4 ft

76.3 ft (23.3 m)
1 fc maximum distance

Vert. Spread: 15.1°
 Horiz. Spread: 14.9°

ZONE	LUMENS	%FIXT
0- 30	506	93.2
0- 40	526	96.9
0- 60	542	99.8
0- 90	543	100.0
90-180	0	0.0
0-180	543	100.0

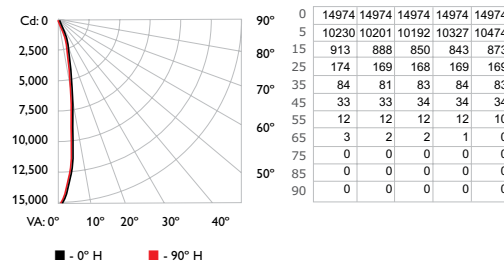
RC RW	Effective Floor Cavity Reflectance: 20%											
	80			70			50			0		
	70	50	30	10	70	50	30	10	50	30	10	0
0	119119119119				116116116116				106106106			100
1	115113112110				1131111110108				104103102			98
2	112109106104				110107105103				101100 99			98
3	109105102 99				107104101 99				99 97 97			96
4	106102 98 96				105101 98 95				97 95 93			94
5	104 99 95 93				103 98 95 92				95 93 91			92
6	102 96 93 90				101 96 92 90				93 91 89			90
7	100 94 91 88				99 94 90 88				92 89 87			86
8	98 92 89 86				97 92 89 86				90 88 86			85
9	96 90 87 85				95 90 87 85				88 86 84			83
10	94 89 86 83				94 88 85 83				87 85 83			82

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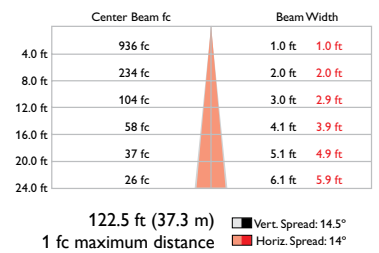
eW Burst Powercore 4000 K, 14° spread lens

Lumens	1,280
Efficacy	42.7 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	1,191.6	93.1%	93.1%
0-40	1,243.5	97.2%	97.2%
0-60	1,278.5	99.9%	99.9%
60-90	1.2	0.1%	0.1%
0-90	1,279.6	100%	100%
90-180	0	0%	0%
0-180	1,279.6	100%	100%

Efficiency Total: 100%

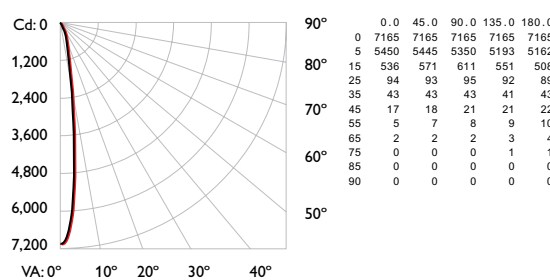
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
		80		70		50		30		10	
RCC %:		20	30	0	20	30	0	50	20	30	0
RCR:	0	1.19	1.19	1.19	1.19	1.16	1.16	1.00	1.11	1.11	1.06
	1	1.16	1.14	1.12	1.10	1.13	1.12	1.10	.98	1.08	1.05
	2	1.12	1.09	1.07	1.04	1.10	1.08	1.05	.96	1.04	1.03
	3	1.09	1.05	1.02	1.00	1.08	1.04	1.01	.94	1.02	.99
	4	1.07	1.02	.99	.96	1.05	1.01	.98	.92	.99	.97
	5	1.04	.99	.96	.93	1.03	.99	.95	.90	.97	.94
	6	1.02	.97	.93	.91	1.01	.96	.93	.89	.95	.92
	7	1.00	.95	.91	.89	.99	.94	.91	.87	.93	.90
	8	.98	.93	.89	.87	.97	.92	.89	.86	.91	.88
	9	.96	.91	.88	.85	.96	.91	.87	.84	.90	.87
	10	.95	.89	.86	.84	.94	.89	.86	.83	.88	.86

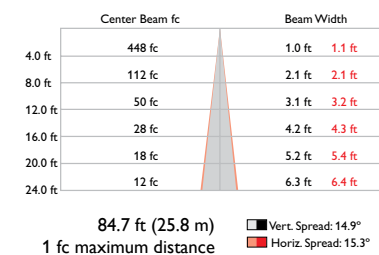
eW Burst Compact Powercore 4000 K, 14° spread lens

Lumens	685
Efficacy	45.7 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	632	92.3
0- 40	659	96.2
0- 60	682	99.5
0- 90	685	100.0
90-180	0	0.0
0-180	685	100.0

Coefficients Of Utilization - Zonal Cavity Method

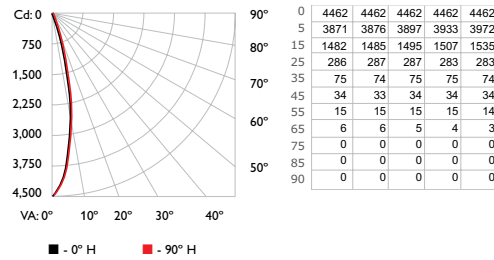
		Effective Floor Cavity Reflectance: 20%									
		80		70		50		30		10	
RC		70	50	30	10	70	50	30	10	50	30
RW	0	119119119119	116116116116	111111111111	107107107	102102102	100				
	1	116114112110	113111110109	108106105	104103102	101100	99				
	2	112109106104	110107105103	104102101	101100	98	99				
	3	109105102	107104101	101	99	97	99				
	4	106101	98	95	105100	97	95	99	96	94	93
	5	104	99	95	102	98	94	92	96	93	91
	6	101	96	92	100	95	92	89	94	91	89
	7	99	94	90	88	98	93	90	87	91	88
	8	97	92	88	86	96	91	88	85	89	87
	9	95	90	86	84	95	89	86	84	88	85
	10	94	88	85	83	93	88	85	82	87	84

For lux multiply fc by 10.7

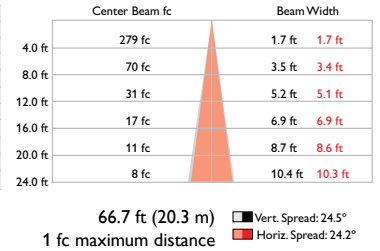
eW Burst Powercore 2700 K, 23° spread lens

Lumens	1,004
Efficacy	34.3 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	914.9	91.1%	91.1%
0-40	963.9	96%	96%
0-60	1,001.0	99.7%	99.7%
60-90	3.3	0.3%	0.3%
0-90	1,004.3	100%	100%
90-180	0	0%	0%
0-180	1,004.3	100%	100%
Efficiency Total: 100%			

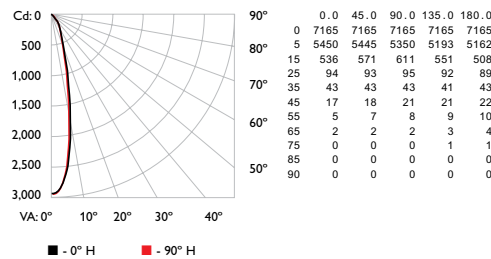
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
RCC %:		20	50	80	0	20	50	80	0	20	50
RCC: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11
1	1.15	1.13	1.11	1.09	1.12	1.11	1.09	.97	1.07	1.05	1.04
2	1.11	1.07	1.04	1.01	1.09	1.05	1.03	.93	1.02	1.00	.98
3	1.07	1.02	.98	.95	1.05	1.01	.97	.90	.98	.95	.93
4	1.03	.98	.94	.91	1.02	.97	.93	.87	.95	.92	.89
5	1.00	.94	.90	.86	.99	.93	.89	.84	.92	.88	.85
6	.97	.91	.86	.83	.96	.90	.86	.81	.88	.85	.82
7	.94	.87	.83	.80	.93	.87	.83	.78	.86	.82	.79
8	.91	.85	.80	.77	.90	.84	.80	.76	.83	.79	.77
9	.89	.82	.78	.75	.88	.82	.77	.74	.81	.77	.74
10	.87	.80	.75	.73	.86	.79	.75	.72	.78	.75	.72

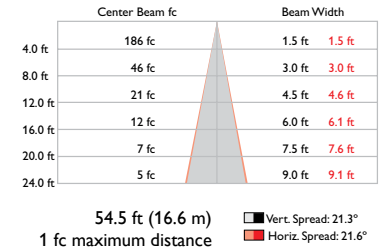
eW Burst Compact Powercore 2700 K, 23° spread lens

Lumens	540
Efficacy	36.2 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	492	91.2
0- 40	516	95.5
0- 60	536	99.3
0- 90	540	100.0
90-180	0	0.0
0-180	540	100.0

Coefficients Of Utilization - Zonal Cavity Method

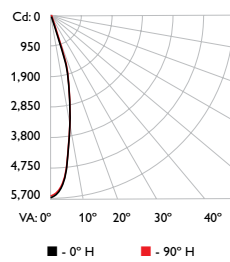
		Effective Floor Cavity Reflectance: 20%									
RC		80	70	50	30	10	0	80	70	50	30
RW	70	50	30	10	70	50	30	10	50	30	10
0	119119119119	116116116116	111111111111	106106106	102102102	100					
1	115113111109	113111109107	107105104	103102101	100	99	98	96			
2	111107104102	109106103101	103100	98	100	98	96	97	94	92	94
3	107103	99	96	106101	98	95	99	96	94	92	94
4	104	99	95	92	102	98	94	91	96	92	90
5	101	95	91	88	100	94	90	87	93	89	87
6	98	92	88	85	97	91	87	84	90	86	84
7	95	89	85	82	94	88	84	82	87	84	81
8	93	86	82	79	92	86	82	79	85	81	79
9	90	84	80	77	90	83	80	77	83	79	77
10	88	82	78	75	88	81	78	75	81	77	75

For lux multiply fc by 10.7

eW Burst Powercore 4000 K, 23° spread lens

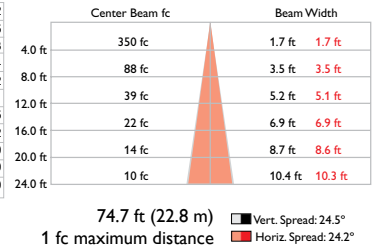
Lumens	1,259
Efficacy	41.9 lm/W

Polar Candela Distribution



	0	5	15	25	35	45	55	65	75	85	90
0	5602	5602	5602	5602	5602	5602	5602	5602	5602	5602	5602
5	4902	4879	4906	4946	4985						
15	1892	1888	1890	1908	1933						
25	371	367	364	358	354						
35	96	94	94	93	92						
45	42	42	42	42	41						
55	18	19	18	17	15						
65	6	6	5	4	2						
75	0	0	0	0	0						
85	0	0	0	0	0						
90	0	0	0	0	0						

Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	1,149.7	91.3%	91.3%
0-40	1,210.5	96.2%	96.2%
0-60	1,255.3	99.7%	99.7%
60-90	3.5	0.3%	0.3%
0-90	1,258.7	100%	100%
90-180	0	0%	0%
0-180	1,258.7	100%	100%
Efficiency Total:	100%		

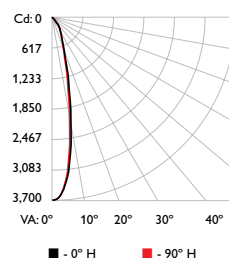
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%											
RCC %:		80			70			50			30		
RW %:		20	50	80	20	50	80	20	50	80	20	50	80
RCR:		0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.06	1.06	1.02
		1	1.15	1.13	1.11	1.09	1.12	1.11	1.09	1.07	1.05	1.04	1.03
		2	1.11	1.07	1.04	1.01	1.09	1.05	1.03	1.02	1.00	.98	.99
		3	1.07	1.02	.98	.95	1.05	1.01	.97	.90	.98	.96	.94
		4	1.04	.98	.94	.91	1.02	.97	.93	.87	.95	.92	.89
		5	1.00	.94	.90	.87	.99	.93	.89	.84	.92	.88	.86
		6	.97	.91	.86	.83	.96	.90	.86	.81	.89	.85	.82
		7	.94	.88	.83	.80	.93	.87	.83	.79	.86	.82	.80
		8	.92	.85	.80	.77	.91	.84	.80	.76	.83	.80	.77
		9	.89	.82	.78	.75	.88	.82	.78	.74	.81	.77	.75
		10	.87	.80	.76	.73	.86	.79	.75	.72	.79	.75	.72

eW Burst Compact Powercore 4000 K, 23° spread lens

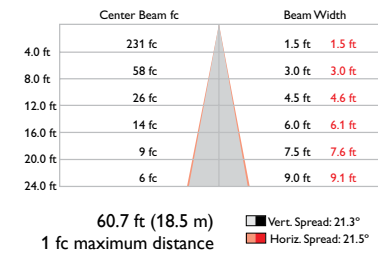
Lumens	674
Efficacy	44.6 lm/W

Polar Candela Distribution



	0	5	15	25	35	45	55	65	75	85	90
0	0.0	45.0	90.0	135.0	180.0						
5	3689	3689	3689	3689	3689						
15	3161	3185	3190	3183	3185						
25	163	159	152	138	130						
35	47	47	48	45	45						
45	19	21	22	22	24						
55	7	9	10	12	12						
65	2	3	4	5	6						
75	0	1	1	2	2						
85	0	0	0	1	1						
90	0	0	0	0	1						

Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	612	90.9
0- 40	642	95.3
0- 60	668	99.2
0- 90	674	100.0
90-120	0	0.0
90-130	0	0.0
90-150	0	0.0
90-180	0	0.0
0-180	674	100.0

Coefficients Of Utilization - Zonal Cavity Method

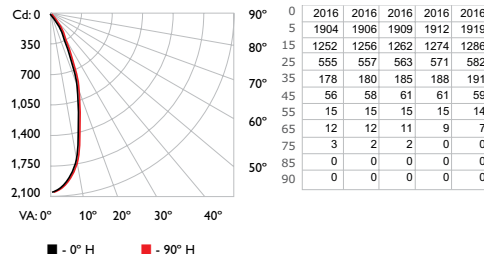
		Effective Floor Cavity Reflectance: 20%											
RC		80			70			50			30		
RW		70	50	30	10	70	50	30	10	50	30	10	0
		0	119119119119	116116116116	111111111111	106106106	103102101	99	99	98	96	96	96
		1	115112111109	112110109107	106105104	102100	98	99	98	96	97	95	94
		2	111107104101	109105103100	102100	98	99	96	94	92	94	92	91
		3	107102	99	96	105101	98	95	99	96	94	92	91
		4	104	98	94	91	102	97	93	91	95	92	90
		5	101	95	90	87	99	94	90	87	92	89	86
		6	98	91	87	84	96	91	87	84	89	86	83
		7	95	88	84	81	94	88	84	81	86	83	80
		8	92	86	82	79	91	85	81	79	84	80	78
		9	90	83	79	77	89	83	79	76	82	78	75
		10	88	81	77	75	87	81	77	74	80	76	73

For lux multiply fc by 10.7

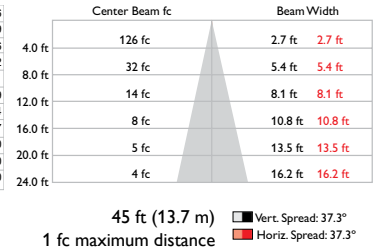
eW Burst Powercore 2700 K, 41° spread lens

Lumens	991
Efficacy	33.8 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	795.3	80.3%	80.3%
0-40	917.4	92.6%	92.6%
0-60	982.7	99.2%	99.2%
60-90	8.1	0.8%	0.8%
90-180	0	0%	0%
0-180	990.8	100%	100%
Efficiency Total:	100%		

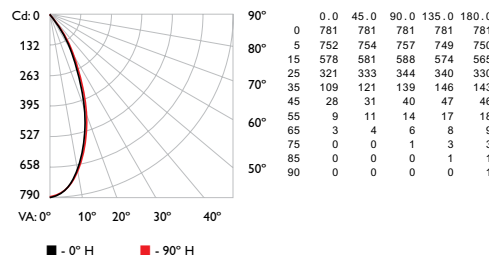
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%									
		80					70				
		20	50	30	0	20	50	30	0	50	30
RCC %:		1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11
RCC %:		1.14	1.11	1.09	1.07	1.12	1.09	1.07	.95	1.05	1.04
1		1.09	1.04	1.01	.97	1.07	1.03	.99	.89	.99	.97
2		1.04	.98	.94	.90	1.02	.97	.93	.84	.94	.91
3		.99	.92	.87	.84	.98	.91	.87	.80	.89	.85
4		.95	.87	.82	.78	.93	.87	.82	.76	.85	.80
5		.91	.83	.77	.74	.90	.82	.77	.72	.81	.76
6		.87	.79	.73	.70	.86	.78	.73	.68	.77	.72
7		.84	.75	.70	.66	.82	.74	.69	.65	.73	.69
8		.80	.72	.66	.63	.79	.71	.66	.62	.70	.66
9		.77	.68	.63	.60	.76	.68	.63	.59	.67	.63
10		.77	.68	.63	.60	.76	.68	.63	.59	.67	.63

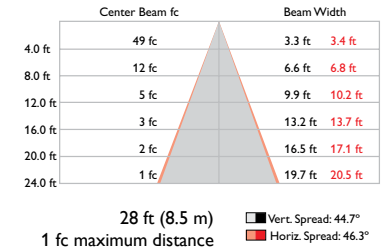
eW Burst Compact Powercore 2700 K, 41° spread lens

Lumens	520
Efficacy	34.8 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	382	73.5
0- 40	467	89.8
0- 60	512	98.4
0- 90	520	100.0
90-180	0	0.0
0-180	520	100.0

Coefficients Of Utilization - Zonal Cavity Method

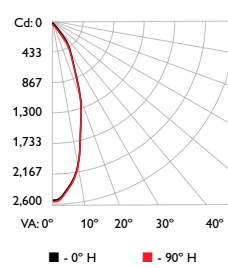
		Effective Floor Cavity Reflectance: 20%									
		80					70				
		70	50	30	10	70	50	30	10	50	30
RC		119	191	191	119	116	161	161	116	111	111
1		114	111	108	106	111	109	106	104	105	103
2		108	103	99	96	106	101	98	95	98	95
3		103	96	91	87	101	95	90	87	92	89
4		98	90	85	81	96	89	84	80	87	83
5		93	85	79	75	91	84	78	74	82	77
6		88	80	74	70	87	79	73	69	77	73
7		84	75	69	65	83	75	69	65	73	68
8		80	71	65	61	79	71	65	61	70	65
9		77	68	62	58	76	67	62	58	66	61
10		74	64	59	55	73	64	58	55	63	58

For lux multiply fc by 10.7

eW Burst Powercore 4000 K, 41° spread lens

Lumens	1,240
Efficacy	41.3 lm/W

Polar Candela Distribution



	0	5	15	25	35	45	55	65	75	85	90
0	2522	2522	2522	2522	2522	2522	2522	2522	2522	2522	2522
5	2390	2378	2382	2394	2402						
15	1573	1565	1577	1594	1612						
25	700	698	704	715	727						
35	227	228	231	233	234						
45	72	73	76	75	71						
55	31	32	32	30	27						
65	15	14	14	11	9						
75	4	3	2	0	0						
85	0	0	0	0	0						
90	0	0	0	0	0						

Illuminance at Distance

Center Beam fc	Beam Width
158 ft	2.7 ft 2.7 ft
39 ft	5.4 ft 5.4 ft
18 ft	8.1 ft 8.1 ft
10 ft	10.8 ft 10.8 ft
6 ft	13.6 ft 13.5 ft
4 ft	16.3 ft 16.2 ft

50.3 ft (15.3 m)
1 fc maximum distance
Vert. Spread: 37.4°
Horiz. Spread: 37.4°

Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	996.9	80.4%	80.4%
0-40	1,149.6	92.7%	92.7%
0-60	1,230.4	99.2%	99.2%
60-90	9.8	0.8%	0.8%
0-90	1,240.2	100%	100%
90-180	0	0%	0%
0-180	1,240.2	100%	100%
Efficiency Total:	100%		

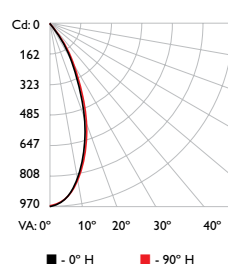
Coefficients Of Utilization - Zonal Cavity Method

RCC %:	80	70	50	30	10	0
RW %:	1.19	1.19	1.19	1.19	1.16	1.16
RCR: 0	1.14	1.11	1.09	1.07	1.12	1.09
1	1.14	1.11	1.09	1.07	1.12	1.09
2	1.09	1.04	1.01	.98	1.07	1.03
3	1.04	.98	.94	.90	1.02	.97
4	.99	.93	.87	.84	.98	.91
5	.95	.87	.82	.78	.94	.87
6	.91	.83	.78	.74	.90	.82
7	.87	.79	.73	.70	.86	.78
8	.84	.75	.70	.66	.82	.75
9	.80	.72	.66	.63	.79	.71
10	.77	.68	.63	.60	.76	.68

eW Burst Compact Powercore 4000 K, 41° spread lens

Lumens	646
Efficacy	42.8 lm/W

Polar Candela Distribution



	0	5	15	25	35	45	55	65	75	85	90
0	0.0	45.0	90.0	135.0	180.0						
5	963	963	963	963	963						
15	709	722	727	714	700						
25	392	409	428	421	413						
35	136	150	175	181	178						
45	33	39	50	59	59						
55	11	14	18	21	23						
65	3	4	7	10	11						
75	0	1	2	3	4						
85	0	0	0	1	1						
90	0	0	0	0	1						

Illuminance at Distance

Center Beam fc	Beam Width
60 ft	3.3 ft 3.4 ft
15 ft	6.6 ft 6.9 ft
7 ft	9.9 ft 10.3 ft
4 ft	13.2 ft 13.8 ft
2 ft	16.4 ft 17.2 ft
2 ft	19.7 ft 20.6 ft

31 ft (9.4 m)
1 fc maximum distance
Vert. Spread: 44.7°
Horiz. Spread: 46.5°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	473	73.3
0- 40	580	89.7
0- 60	636	98.4
0- 90	646	100.0
90-180	0	0.0
0-180	646	100.0

Coefficients Of Utilization - Zonal Cavity Method

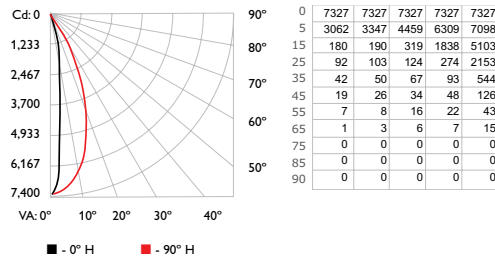
RC	80	70	50	30	10	0
RW	70	50	30	10	70	50
0	119119119119	116116116116	111111111111	106106106106	102102102102	100
1	1131111108106	111109106104	104103101	1019998	979695	93
2	1081039996	1061019895	989592	959390	929089	87
3	103969187	101959087	928885	908784	878583	81
4	97908580	96898480	878279	858178	838077	76
5	93857975	91847874	827774	807673	797572	71
6	88807469	87797369	777269	767268	757168	66
7	84756965	83746965	736865	726864	716764	62
8	80716561	79706561	696461	686461	676360	59
9	77676258	76676158	666157	656057	646057	56
10	73645855	72645855	635854	625754	615754	53

For lux multiply fc by 10.7

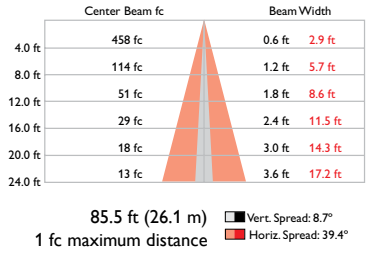
eW Burst Powercore 2700 K, 10° x 41° spread lens

Lumens	1,046
Efficacy	35.9 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	910.4	87%	87%
0-40	992.4	94.9%	94.9%
0-60	1,041.2	99.5%	99.5%
60-90	4.8	0.5%	0.5%
0-90	1,046.0	100%	100%
90-180	0	0%	0%
0-180	1,046.0	100%	100%
Efficiency Total:	100%		

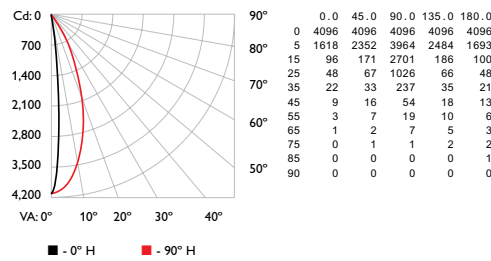
Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																
RCC %:		80				70				50				30		10		0
RW %:		20	50	30	0	20	50	30	0	20	50	30	0	50	20	50	30	0
RCC: 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	1.00
1		1.15	1.12	1.10	1.09	1.12	1.10	1.08	.96	1.06	1.05	1.04	1.03	1.01	1.00	.99	.98	.98
2		1.10	1.07	1.03	1.01	1.08	1.05	1.02	.92	1.02	.99	.97	.99	.97	.95	.96	.95	.93
3		1.06	1.01	.97	.94	1.05	1.00	.96	.89	.98	.95	.92	.95	.91	.91	.91	.91	.88
4		1.03	.97	.92	.89	1.01	.96	.92	.85	.94	.90	.88	.92	.89	.87	.90	.88	.86
5		.99	.93	.88	.85	.98	.92	.88	.82	.90	.87	.84	.89	.86	.83	.87	.85	.82
6		.96	.89	.84	.81	.95	.88	.84	.79	.87	.83	.80	.86	.82	.80	.85	.82	.79
7		.93	.86	.81	.78	.92	.85	.81	.76	.84	.80	.77	.83	.80	.77	.82	.79	.76
8		.90	.83	.78	.75	.89	.82	.78	.74	.81	.77	.75	.80	.77	.75	.79	.76	.73
9		.87	.80	.76	.73	.86	.80	.75	.72	.79	.75	.72	.78	.75	.72	.77	.74	.71
10		.85	.78	.73	.70	.84	.77	.73	.70	.77	.73	.70	.76	.72	.70	.75	.72	.69

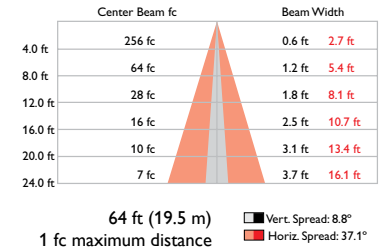
eW Burst Compact Powercore 2700 K, 10° x 41° spread lens

Lumens	557
Efficacy	37.4 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	491	88.1
0- 40	527	94.7
0- 60	552	99.1
0- 90	557	100.0
90-180	0	0.0
0-180	557	100.0

Coefficients Of Utilization - Zonal Cavity Method

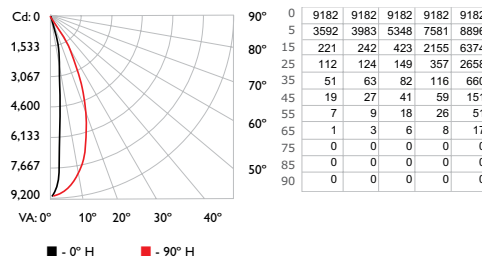
		Effective Floor Cavity Reflectance: 20%											
RC		80			70			50			30		
RW		70	50	30	10	70	50	30	10	50	30	10	0
0		119119119119	116116116116	111111111111	106106106	102102102	100						
1		115112110109	112110108107	106105104	103102101	99 98 98	96						
2		110107103101	108105102100	102 99 97	99 97 95	96 95 93	92						
3		107102 98 95	105100 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 86	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 87 82 79	92 86 82 79	85 81 78	84 80 78	83 80 78	77						
8		91 84 79 76	90 83 79 76	82 79 76	81 78 76	81 78 75	74						
9		88 81 77 74	87 81 77 74	80 76 74	79 76 73	78 75 73	72						
10		86 79 75 72	85 78 74 72	78 74 71	77 74 71	76 73 71	70						

For lux multiply fc by 10.7

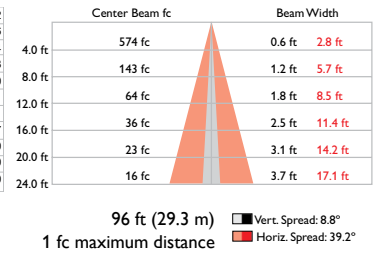
eW Burst Powercore 4000 K, 10° x 41° spread lens

Lumens	1,317
Efficacy	44.0 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

Zone	Lumens	% Lamp	% Luminaire
0-30	1,151.3	87.5%	87.5%
0-40	1,253.0	95.2%	95.2%
0-60	1,311.3	99.6%	99.6%
60-90	5.2	0.4%	0.4%
0-90	1,316.5	100%	100%
90-180	0	0%	0%
0-180	1,316.5	100%	100%

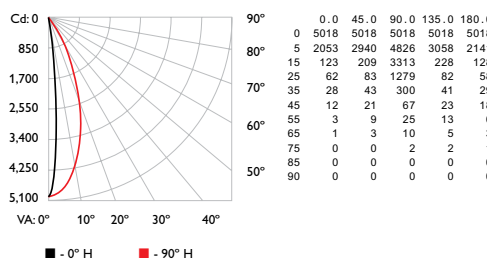
Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%		30		10		0	
RCC %:	80	70	50	30	20	10	0
RW %:	1.19	1.19	1.19	1.19	1.19	1.19	1.19
ROR:	0	1.19	1.19	1.19	1.19	1.19	1.19
1	1.15	1.12	1.10	1.09	1.12	1.10	1.08
2	1.10	1.07	1.03	1.01	1.08	1.05	1.02
3	1.07	1.01	.98	.94	1.05	1.00	.97
4	1.03	.97	.93	.89	1.01	.96	.92
5	.99	.93	.88	.85	.98	.92	.88
6	.96	.89	.85	.81	.95	.89	.84
7	.93	.86	.81	.78	.92	.85	.81
8	.90	.83	.79	.75	.89	.83	.78
9	.88	.80	.76	.73	.87	.80	.76
10	.85	.78	.74	.71	.84	.77	.73

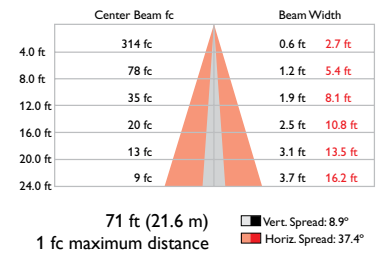
eW Burst Compact Powercore 4000 K, 10° x 41° spread lens

Lumens	695
Efficacy	46.3 lm/W

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	613	88.2
0- 40	659	94.8
0- 60	689	99.2
0- 90	695	100.0
90-180	0	0.0
0-180	695	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%		30		10		0	
RC	80	70	50	30	20	10	0
RW	70	50	30	10	70	50	30
0	119119119119	116116116116	111111111111	106106106	102102102	100	
1	115113110109	112110109107	106105104	103102101	99 99 98	96	
2	111107104101	109105102100	102100 98	99 97 96	96 95 94	92	
3	107102 98 95	105100 97 94	98 95 93	96 93 91	93 91 90	88	
4	103 97 93 90	101 96 92 89	94 91 88	92 90 87	91 88 86	85	
5	100 93 89 86	98 92 88 85	91 87 85	89 86 84	88 85 83	82	
6	97 90 85 82	95 89 85 82	88 84 81	87 83 81	85 83 80	79	
7	94 87 82 79	92 86 82 79	85 81 79	84 81 78	83 80 78	77	
8	91 84 79 76	90 83 79 76	82 79 76	82 78 76	81 78 75	74	
9	88 81 77 74	87 81 77 74	80 76 74	79 76 73	79 75 73	72	
10	86 79 75 72	85 78 74 72	78 74 72	77 74 71	77 73 71	70	

For lux multiply fc by 10.7

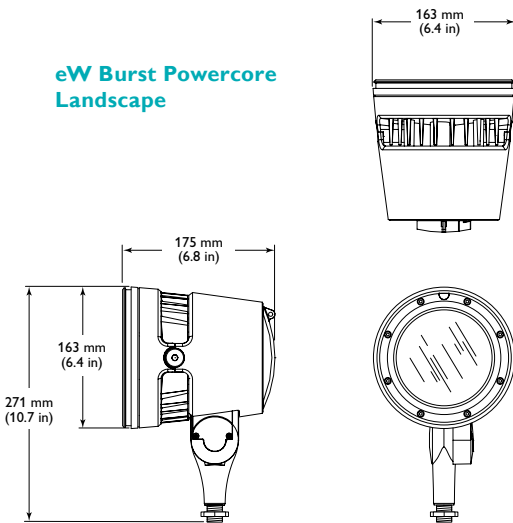
eW Burst Powercore Specifications

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

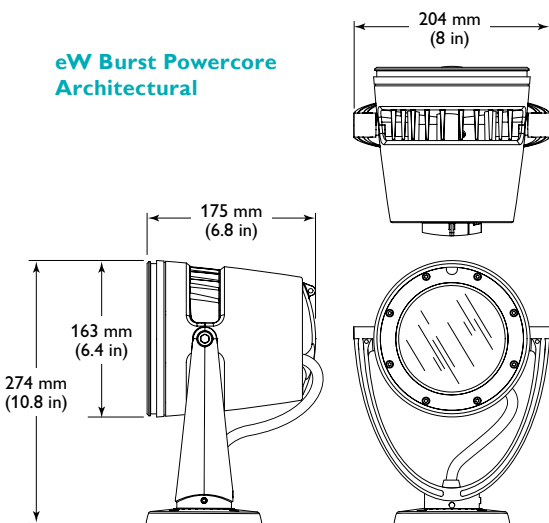
Item	Color Temp.*	8° primary	14°	23°	41°	10° x 41°
Lumens†	2700 K	1,168	1,022	1,004	991	1,046
	4000 K	1,478	1,280	1,259	1,240	1,317
Efficacy (lm / W)	2700 K	39.9	34.9	34.3	33.8	35.9
	4000 K	49.3	42.7	41.9	41.3	44.0

Item	Specification	Details
Output	Beam Angle	8° primary optic 14° / 23° / 41° spread lenses 10° x 41° asymmetric spread lens
	CRI	82.6 (2700 K) 80.6 (4000 K)
	Lumen Maintenance‡	90,000 hours L70 @ 25° C 45,000 hours L70 @ 50° C 100,000 hours L50 @ 25° C 70,000 hours L50 @ 50° C
Electrical	Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz
	Power Consumption	30 W maximum at full output, steady state
	Power Factor	0.978 @ 120 V (2700 K) 0.975 @ 120 V (4000 K)
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	274 x 204 x 175 mm (10.8 x 8.0 x 6.8 in) Architectural 271 x 163 x 175 mm (10.7 x 6.4 x 6.8 in) Landscape
	Weight	5 kg (11 lb) Architectural 3.4 kg (7.4 lb) Landscape
	Housing	Die-cast aluminium, powder-coated finish
	Lens	Tempered glass
	Luminaire Connections	1.8 m (6 ft) unified power/data cable with flying leads 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
	Vibration Resistance	ANSI C136.31 (Architectural only)
	Humidity	0 to 95%, non-condensing
Certification and Safety	Certification	UL/cUL, FCC Class A, CE, CQC, C-Tick, SAA
	Environment	Dry/Damp/Wet Location, IP66

eW Burst Powercore Landscape



eW Burst Powercore Architectural



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



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

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

L50 = 50% maintenance of lumen output (when light output drops below 50% of initial output).

Ambient temperatures specified. Based on measurements that comply with IES LM-80-08 testing procedures.

See www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

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

DIMAND CK TECHNOLOGY | **OPTIBIN** CK TECHNOLOGY | **POWERCORE** CK TECHNOLOGY

eW Burst Compact Powercore Specifications

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

Item	Color Temp.*	8° primary	14°	23°	41°	10° x 41°
Lumens†	2700 K	624	543	540	520	557
	4000 K	812	685	674	646	695
Efficacy (lm / W)	2700 K	41.9	36.4	36.2	34.8	37.4
	4000 K	53.8	45.7	44.6	42.8	46.3

Item	Specification	Details
Output	Beam Angle	8° primary optic 14° / 23° / 41° spread lenses 10° x 41° asymmetric spread lens
	CRI	83 (2700 K) 81 (4000 K)
	Lumen Maintenance‡	90,000 hours L70 @ 25° C 50,000 hours L70 @ 50° C 100,000 hours L50 @ 25° C 90,000 hours L50 @ 50° C
Electrical	Input Voltage	100 to 277 VAC, auto-ranging, 50/60 Hz
	Power Consumption	15 W maximum at full output, steady state
	Power Factor	0.995 @ 120 VAC (2700 K) 0.994 @ 120 VAC (4000 K)
Control	Dimming	Compatible with selected commercially available reverse-phase ELV-type dimmers§
Physical	Dimensions (Height x Width x Depth)	250 x 114 x 178 mm (9.85 x 4.5 x 7.0 in) Architectural 205 x 114 x 178 mm (8.06 x 4.5 x 7.0 in) Landscape
	Weight	3.9 kg (8.7 lb) Architectural 2 kg (4.4 lb) Landscape
	Housing	Die-cast aluminium, powder-coated finish
	Lens	Tempered glass
	Luminaire Connections	1.8 m (6 ft) unified power/data cable with flying leads 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
	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/
	Vibration Resistance	ANSI C136.31 (Architectural only)
	Mechanical Impact	IK07
	Humidity	0 to 95%, non-condensing
Certification and Safety	Certification	UL/cUL, FCC Class A, CE, CQC, C-Tick, SAA
	Environment	Dry/Damp/Wet Location, IP66

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

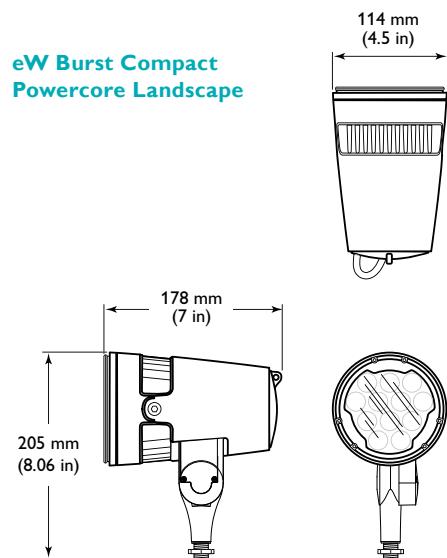
† Lumen measurement complies with IES LM-79-08 testing procedures

‡ L70 = 70% maintenance of lumen output (when light output drops below 70% of initial output).
L50 = 50% maintenance of lumen output (when light output drops below 50% of initial output).
Ambient temperatures specified. Based on measurements that comply with IES LM-80-08 testing procedures. See www.colorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

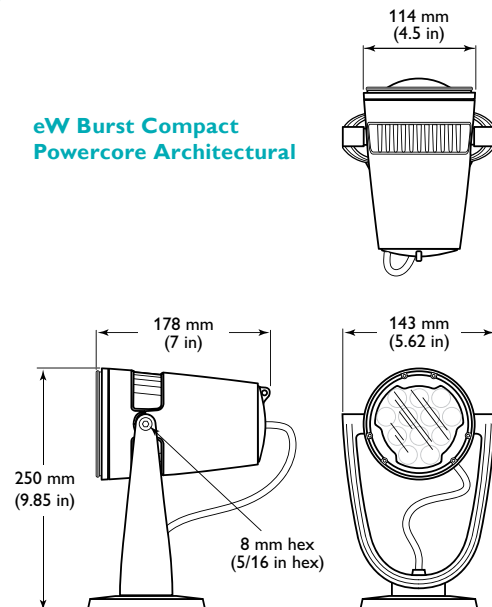
§ Refer to www.colorkinetics.com/support/appnotes/ for specific details.



eW Burst Compact Powercore Landscape



eW Burst Compact Powercore Architectural



eW Burst Powercore Landscape



Item	Type	Size	Housing Color	Item Number	Philips 12NC
eW Burst Powercore Landscape UL/cUL/CE	2700 K	Standard	Gray	523-000036-00	910503700694
			Black	523-000036-08	910503701793
			White	523-000036-16	910503701802
		Compact	Gray	523-000059-00	910503701661
			Black	523-000059-08	910503701924
			White	523-000059-16	910503701932
	4000 K	Standard	Gray	523-000036-01	910503700695
			Black	523-000036-09	910503701794
			White	523-000036-17	910503701803
		Compact	Gray	523-000059-01	910503701662
			Black	523-000059-09	910503701925
			White	523-000059-17	910503701933

Use Item Number when ordering in North America.

eW Burst Powercore Architectural

Item	Type	Size	Housing Color	Item Number	Philips 12NC
eW Burst Powercore Architectural UL/cUL	2700 K	Standard	Gray	523-000036-02	910503700744
			Black	523-000036-10	910503701795
			White	523-000036-18	910503701804
		Compact	Gray	523-000059-02	910503701663
			Black	523-000059-10	910503701926
			White	523-000059-18	910503701934
	4000 K	Standard	Gray	523-000036-03	910503700743
			Black	523-000036-11	910503701796
			White	523-000036-19	910503701805
		Compact	Gray	523-000059-03	910503701664
			Black	523-000059-11	910503701927
			White	523-000059-19	910503701935
eW Burst Powercore Architectural CE	2700 K	Standard	Gray	523-000036-04	910503701122
			Black	523-000036-12	910503701797
			White	523-000036-20	910503701806
		Compact	Gray	523-000059-04	910503701665
			Black	523-000059-12	910503701928
			White	523-000059-20	910503701936
	4000 K	Standard	Gray	523-000036-05	910503701123
			Black	523-000036-13	910503701798
			White	523-000036-21	910503701807
		Compact	Gray	523-000059-05	910503701666
			Black	523-000059-13	910503701929
			White	523-000059-21	910503701937
eW Burst Powercore Architectural CQC	2700 K	Standard	Gray	523-000036-06	910503701791
			Black	523-000036-14	910503701799
			White	523-000036-22	910503701808
		Compact	Gray	523-000059-06	910503701747
			Black	523-000059-14	910503701930
			White	523-000059-22	910503701938
	4000 K	Standard	Gray	523-000036-07	910503701792
			Black	523-000036-15	910503701801
			White	523-000036-23	910503701809
		Compact	Gray	523-000059-07	910503701748
			Black	523-000059-15	910503701931
			White	523-000059-23	910503701939



Use Item Number when ordering in North America.

Accessories

Item		Type	Size	Housing Color	Item Number	Philips 12NC
	Trim Ring		Standard	Gray	120-000103-00	910503701212
				Black	120-000103-06	910503701734
				White	120-000103-12	910503701737
			Compact	Gray	120-000103-03	910503701420
				Black	120-000103-09	910503701823
				White	120-000103-15	910503701826
	45° Glare Shield		Standard	Gray	120-000103-01	910503701213
				Black	120-000103-07	910503701735
				White	120-000103-13	910503701738
			Compact	Gray	120-000103-04	910503701421
				Black	120-000103-10	910503701824
				White	120-000103-16	910503701827
	Full Height Glare Shield		Standard	Gray	120-000103-02	910503701214
				Black	120-000103-08	910503701736
				White	120-000103-14	910503701739
			Compact	Gray	120-000103-05	910503701422
				Black	120-000103-11	910503701825
				White	120-000103-17	910503701828
	Honeycomb Louver		Standard	Black	120-000104-00	910503701215
			Compact	Black	120-000104-01	910503701419
	Spread Lenses	14°	Standard		120-000080-00	910503700609
			Compact		120-000080-04	910503701415
		23°	Standard		120-000080-01	910503700610
			Compact		120-000080-05	910503701416
		41°	Standard		120-000080-02	910503700611
			Compact		120-000080-06	910503701417
		10° × 41° asymmetric	Standard		120-000080-03	910503700612
			Compact		120-000080-07	910503701418

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

Installation

eW Burst Powercore LED luminaires offer a wash of high-intensity warm or neutral white light for spotlighting, site, and accent lighting. Powercore delivers line voltage directly to the luminaire and 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 Burst Powercore 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 wet or damp locations. Additionally, you must use gaskets, clamps, and other parts required for installation to comply with all applicable local and national codes.

Prepare for the Installation

1. Carefully inspect the box containing eW Burst Powercore and the contents for any damage that may have occurred in transit.
2. Ensure that all additional parts and tools are available, including:

eW Burst Powercore 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

eW Burst Powercore 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 the luminaire in place

All Installations

- A sufficient length 3-conductor wire. We recommend 2.05 mm (12 AWG) 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

⚠ Refer to the eW Burst Powercore Installation Instructions for specific warning and caution statements.

Included in the box

eW Burst Powercore Architectural

eW Burst Powercore Architectural luminaire

(4) 10-24 stainless steel screws for outdoor installation

Junction box gasket

Installation Instructions

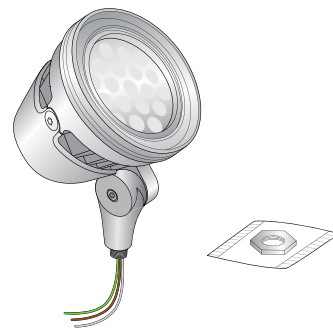


eW Burst Powercore Landscape

eW Burst Powercore Landscape luminaire

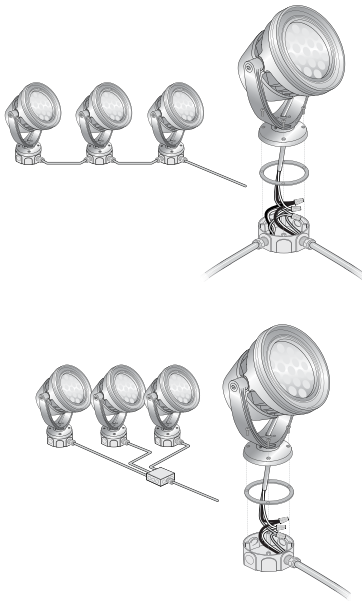
Locking nut

Installation Instructions



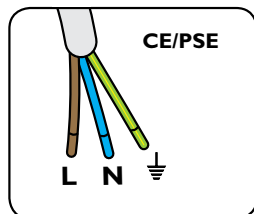
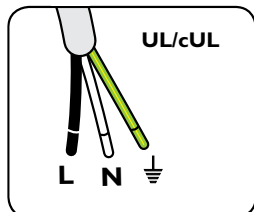
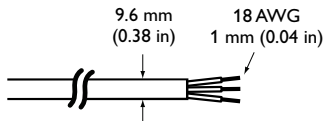
Connect and Mount eW Burst Powercore Luminaires

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



⚠ Ensure that all junction boxes are suitable for the environment and that all wiring between junction boxes complies with local codes.

Luminaire cable dimensions



- eW Burst Powercore 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 cable from the canopy base.
- eW Burst Powercore 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.

eW Burst Powercore luminaires can be controlled either with a standard wall switch (on/off) or a commercially available electronic low-voltage (ELV) dimmer. eW Burst Powercore luminaires work with many trailing edge or reverse phase control ELV dimmers. Refer to the installation instructions included with the wall or dimmer switch for installing and wiring information.

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

Connecting eW Burst Powercore Architectural Luminaires to Junction Boxes

- 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.

- If installing luminaires in a series, pull 3-conductor copper wire between the junction boxes. If installing luminaires in parallel, pull 3-conductor copper wire from line power to a common junction box, and from the common junction box to each luminaire's junction box.

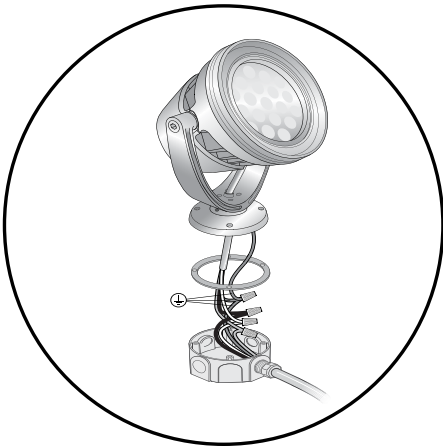
We recommend the use of 2.05 mm (12 AWG), stranded 3-conductor copper wire.

- Trim the cable from the luminaire to fit in the junction box, leaving enough cable to make wiring connections.
- If installing in a damp or wet location, insert the luminaire cable through the provided junction box gasket before making wire connections. When attaching the

luminaire to the junction box, ensure that the gasket is compressed evenly.

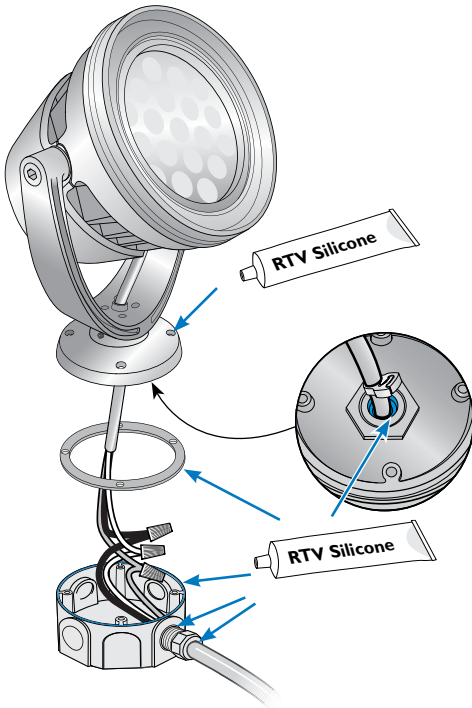
5. Use wire nuts to connect line, neutral, ground, and data.

Attach the canopy ground wire to a grounding point in the junction box, or



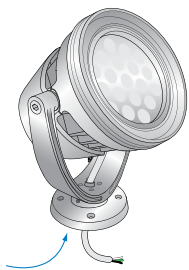
combine it with the luminaire cable ground with a wire nut.

6. Tuck wire connections into the junction box.
7. 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.

8. If installing in parallel, connect the wires from each luminaire to the lead wire from the line power source in the common junction box.
9. Connect the wire from the first luminaire in the series to the line power source if installing in series, or from the common junction box to the line power source if



✱ Ensure that all junction boxes are suitable for the environment and that all wiring between junction boxes complies with local codes.

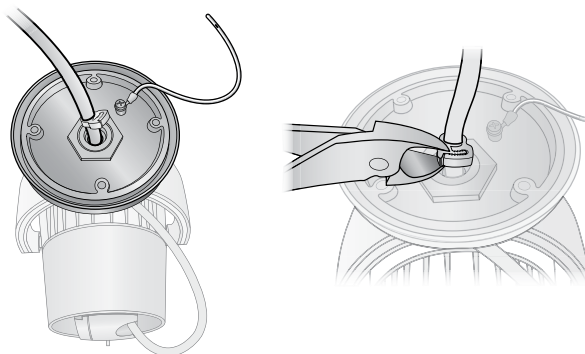


installing in parallel.

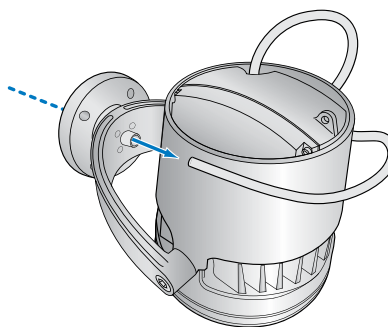
Surface-Mounting eW Burst Powercore Architectural Luminaires

1. Prepare eW Burst Powercore Architectural luminaires for surface-mounting:

- Remove the nylon cable clamp from the luminaire's leader cable where it exits

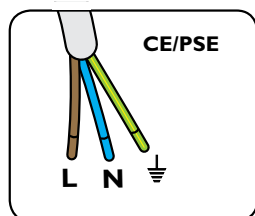
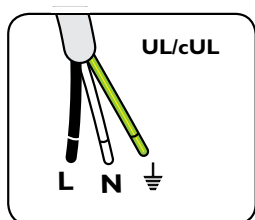
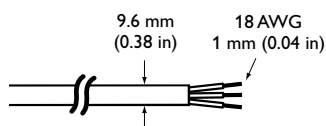


the underside of the canopy base.



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

Luminaire cable dimensions

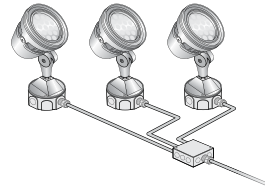
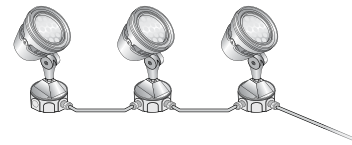
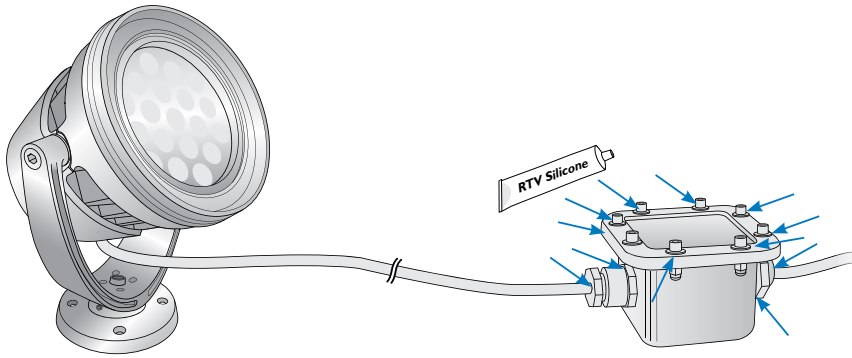


- Mount junction boxes in accordance with the lighting design plan.
- Position each eW Burst Powercore Architectural luminaire in its designated mounting location. Make sure the mounting surface is flat, suitable for the mounting hardware, and clear of debris and other obstructions.
- Use four suitable mounting screws to secure each eW Burst Powercore Architectural luminaire to the mounting location.
- If installing luminaires in a series, pull 3-conductor copper wire between the junction boxes. If installing luminaires in parallel, pull 3-conductor copper wire from line power to a common junction box, and from the common junction box to each luminaire's junction box.

We recommend the use of 2.05 mm (12 AWG), stranded 3-conductor copper wire.

- Use wire nuts to connect line, neutral, and ground, and tuck wire connections into the junction box.

- 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.



* Ensure that all junction boxes are suitable for the environment and that all wiring between junction boxes complies with local codes.

- If installing in parallel, connect the wires from each luminaire to the lead wire from the line power source in the common junction box.
- Connect the wire from the first luminaire in the series to the line power source if installing in series, or from the common junction box to the line power source if installing in parallel.

Connecting and Mounting eW Burst Powercore Landscape Luminaires

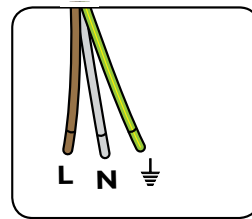
eW Burst Powercore Landscape luminaires feature a 1/2 in NPT threaded post for installing to standard junction boxes, stanchion mounts, posts, stakes, and other landscape mounting accessories.

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

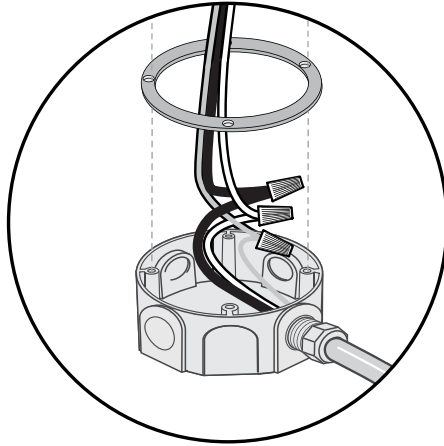
- Mount junction boxes and any landscape mounting accessories in accordance with the lighting design plan.
- If installing luminaires in a series, pull 3-conductor copper wire between the junction boxes. If installing luminaires in parallel, pull 3-conductor copper wire from line power to a common junction box, and from the common junction box to each luminaire's junction box.

We recommend the use of 2.05 mm (12 AWG), stranded 3-conductor copper wire.

- Thread the locking nut onto the eW Burst Powercore Landscape threaded post.
- If installing in a damp or wet location, insert the luminaire cable through a junction box gasket before making wire connections. When attaching the junction box cover, ensure that the gasket is compressed evenly.

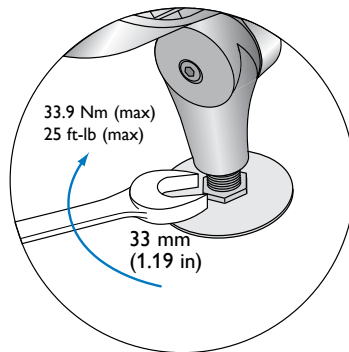


5. Use wire nuts to connect line, neutral, and ground.

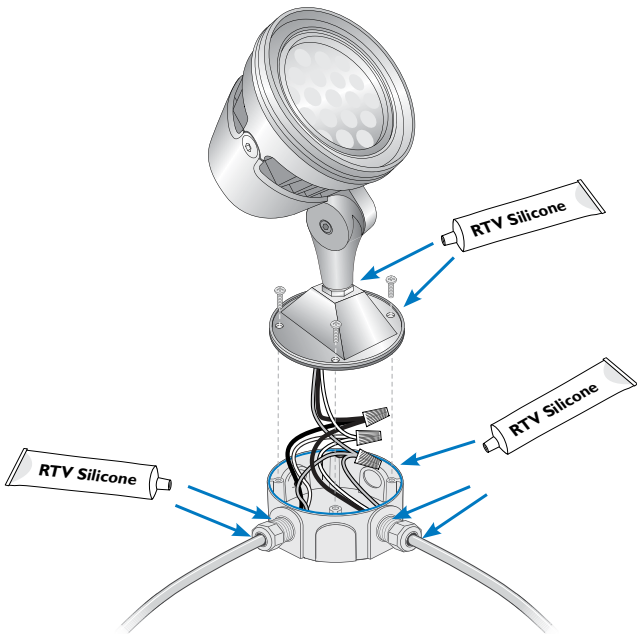


6. Tuck wire connections into the junction box or mounting accessory.

7. Using a 33 mm wrench, torque the locking nut to 33.9 Nm (25 ft-lb). Do not overtighten.



- 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.

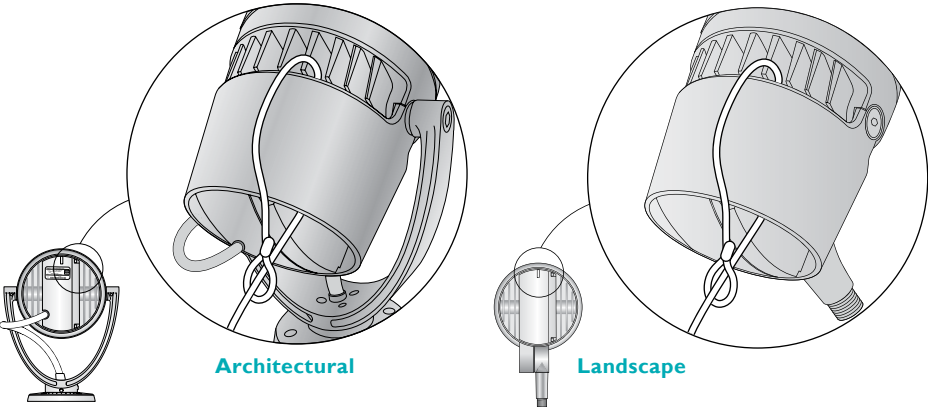


- If installing in parallel, connect the wires from each luminaire to the lead wire from the line power source in the common junction box.
- Connect the wire from the first luminaire in the series to the line power source if installing in series, or from the common junction box to the line power source if installing in parallel.

Attach Safety Cable (Optional)

When installing eW Burst Powercore 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 eW Burst Powercore luminaire housing and tether it to a secure anchor point.

- Thread a safety cable through the luminaire housing as shown.



- Attach the safety cable to the mounting surface using a method that follows the code or engineer’s requirements.

Safety cable minimum requirements

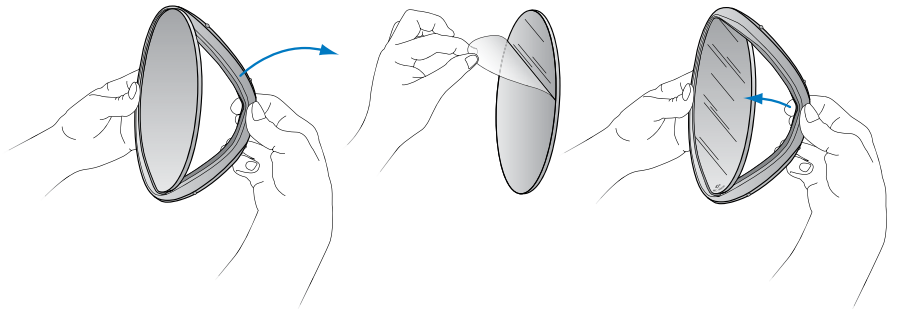
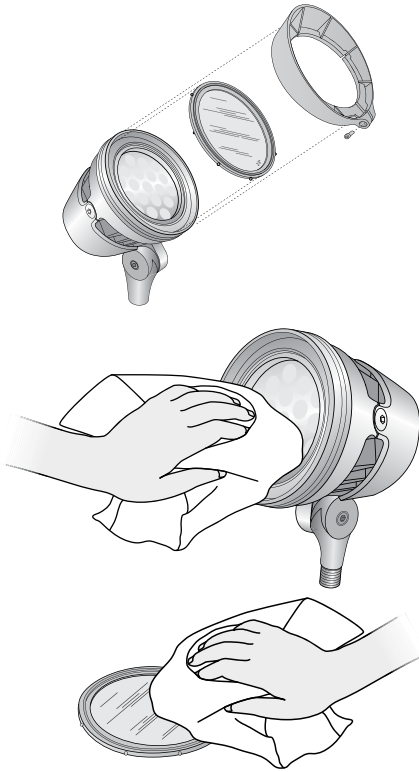
Material	304 or 316 Stainless Steel
Size	4 mm (5/32 in) nominal diameter Minimum break load must be greater than 1,089 kg (2,400 lb)

Attach Accessories (Optional)

Honeycomb Louvers and exchangeable Spread Lenses of 14°, 23°, 41°, and an asymmetric 10° x 41° support a variety of photometric distributions for a multitude of applications.

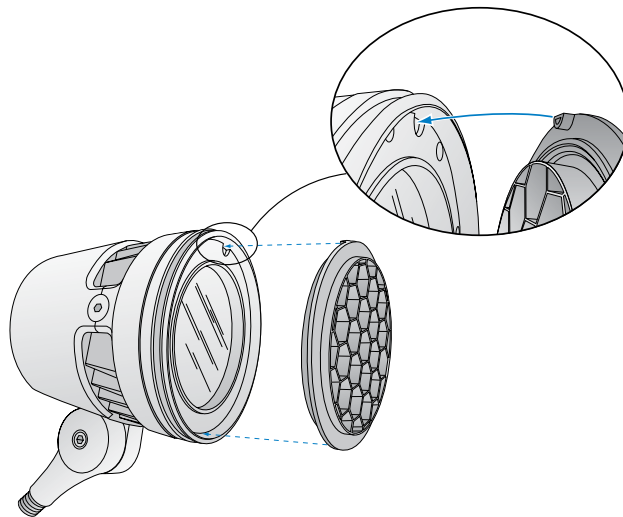
You attach Honeycomb Louvers and Spread Lenses with the Trim Ring, 45° Glare Shield, or Full Height Glare Shield, available separately. You can attach either one Honeycomb Louver or one Spread Lens at a time.

1. Unpack and confirm the contents of the box. Each accessory is shipped one per box. Spread Lenses include an attached rubber gasket. The Trim Ring, 45° Glare Shield, and Full Height Glare Shield include an attached locking screw.
2. Clean the face of the eW Burst Powercore housing, including glass surfaces, using a mild, non-abrasive cleaner. Ensure that all surfaces are dry. If using a spread lens, also clean and dry both sides of the spread lens.
3. If using a spread lens, remove the protective film from the side of the lens on which the beam angle is printed.

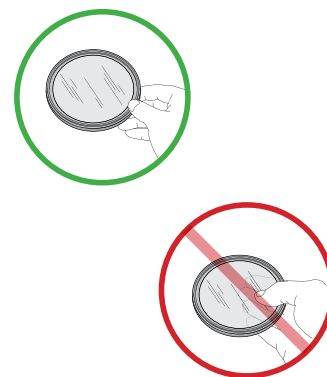
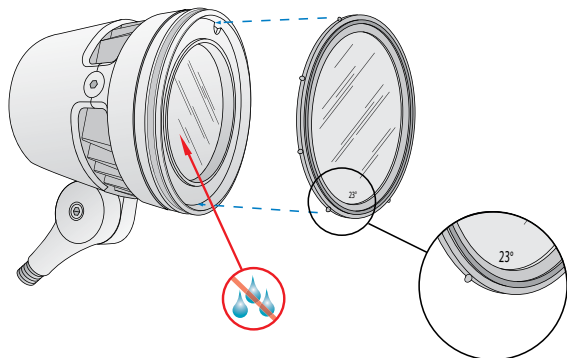


4. Position the honeycomb louver or spread lens:

- If using the honeycomb louver, insert the tab on the honeycomb louver into the notch on the face of the eW Burst Powercore luminaire housing.

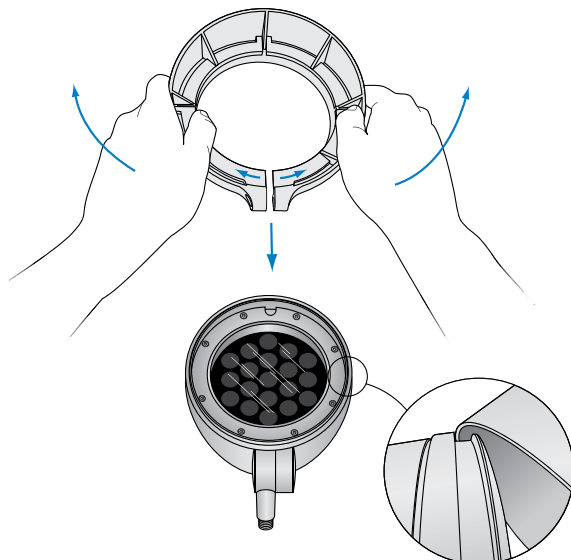


- If using a spread lens, make sure that the beam-angle designation on the edge of the lens is face up. Handle the spread lens by the gasket, making sure not to touch or soil either surface of the spread lens. Rest the lens against the face of the eW Burst Powercore housing. Make sure that there is no moisture between the spread lens and the glass lens, as any moisture will compromise the effectiveness of the spread lens.

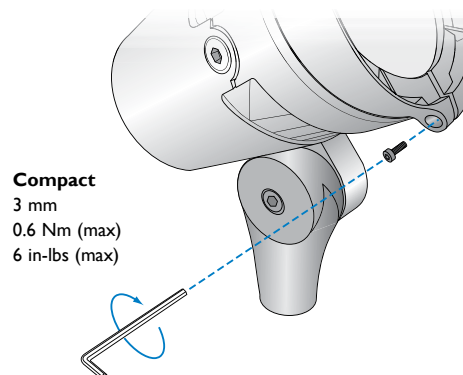
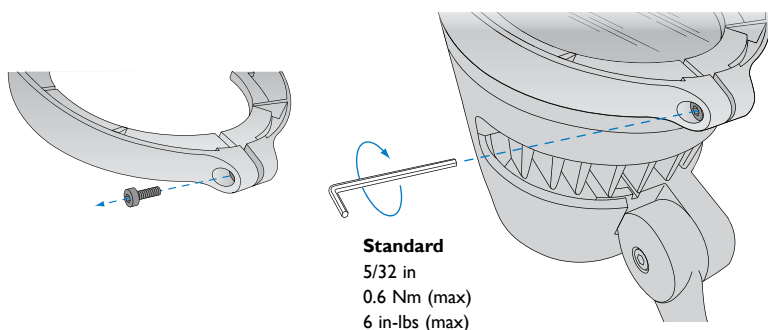


✳ Rotating the asymmetric 10° x 41° spread lens changes its effect on the luminaire's light output. You may want to rough-in the spread lens position, fine-tune it when aiming and locking the luminaire, then lock down the trim ring or glare shield once the lens is positioned to give the desired results.

5. If necessary, use a 5/32 in hex wrench to remove the locking screw from the trim ring or glare shield.
6. Grab the trim ring or glare shield with both hands, flex it gently open, and clip it to the front rim of the luminaire housing.



7. Insert the locking screw into the opening on the trim ring or glare shield. Use a 5/32 in hex wrench and torque to 0.6 Nm (6 in-lbs). For eW Burst Compact Powercore, use a 3 mm hex wrench.

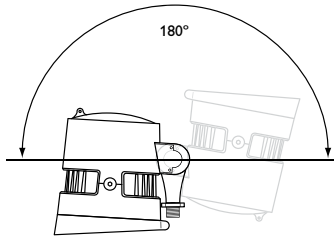


Aim and Lock Luminaires

Make sure the power is ON before aiming luminaires.

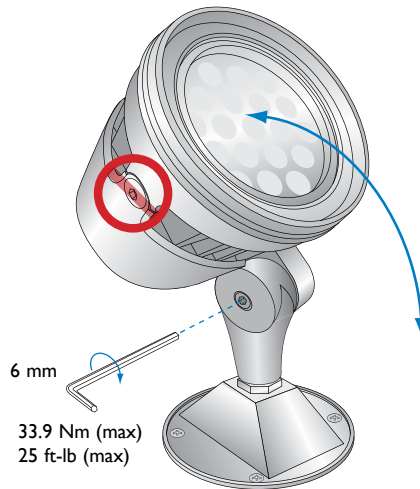
eW Burst Powercore luminaires can tilt through a full 180°. eW Burst Powercore Architectural luminaires can also rotate through a full 360° for precise aiming. Locking nuts use standard hex wrenches to secure luminaires firmly in position.

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



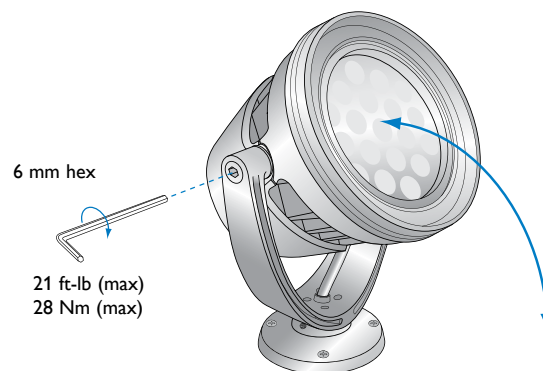
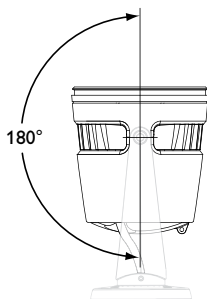
Aiming and Locking eW Burst Powercore Landscape Luminaires

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.



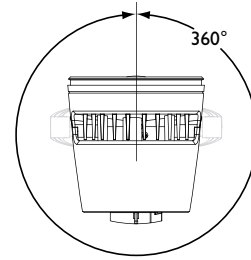
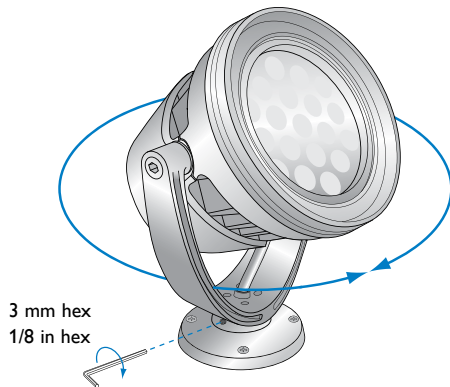
Aiming and Locking eW Burst Powercore Architectural Luminaires

1. To tilt the beam:
 - Loosen the locking nuts on either side of the luminaire yoke using a 8 mm or 5/16 in 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 or 1/8 in hex wrench.
- Rotate the luminaire as desired.
- Re-tighten the locking nuts to secure the luminaire in place.



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