iW Burst Powercore

Architectural and landscape LED spotlight with intelligent white light

PHILIPS

COLOR KINETICS

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iW Burst Powercore is a high-output, exterior-rated LED spotlight designed for accent and site lighting. iW Burst Powercore combines channels of warm and cool LEDs to offer variable color temperatures ranging from 2700 K to 6500 K. Architectural and Landscape versions 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.
- Wide range of color temperature and brightness — Channels of warm white and cool white LEDs produce color temperatures ranging from 2700 K to 6500 K.
- 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 also rotate through a full 360° for precise aiming.
- Universal power input range — Accepts a universal power input range of 100 to 240 VAC, allowing long luminaire runs and consistent installation in any location around the world.
- Outdoor rated — With a rugged, die-cast aluminium housing fully sealed for maximum luminaire life and IP66-rated for outdoor applications,
  iW Burst Powercore is ideal for use in damp or wet locations.

Two Versions, Two Sizes
iW Burst Powercore Architectural and Landscape luminaires are available in standard and compact sizes for all accent and site lighting needs.

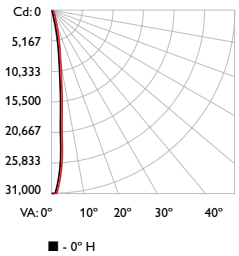
Photometrics

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

iW Burst Powercore 8° primary optic

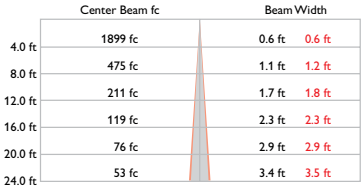
Lumens	1,093
Efficacy	36.6 lm/W

Polar Candela Distribution



90°	0	30391	30391	30391	30391	30391
	5	12074	11755	11313	10438	9934
80°	15	476	439	331	261	248
	25	126	130	130	127	129
	35	61	64	71	72	71
70°	45	51	58	53	37	29
	55	10	13	14	13	13
60°	65	3	5	10	10	6
	75	0	5	5	3	3
	85	0	0	0	0	0
50°	90	0	0	0	0	0

Illuminance at Distance



174 ft (53.0 m)
1 fc maximum distance

Vert. Spread: 8.2°
Horiz. Spread: 8.4°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	994	91.0
0- 40	1039	95.1
0- 60	1082	99.0
0- 90	1093	100.0
90-180	0	0.0
0-180	1093	100.0

Coefficients Of Utilization - Zonal Cavity Method

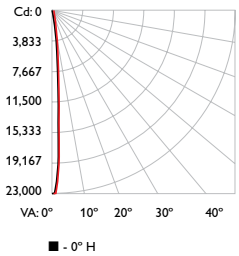
Effective Floor Cavity Reflectance: 20%

RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	99	98
2	113	109	107	105	111	108	105	103	105	103	101	102	100	99	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91
6	103	98	95	92	102	97	94	92	96	93	91	95	93	91	94	92	90	89
7	101	96	93	91	100	96	93	90	95	92	90	94	91	89	93	91	89	88
8	100	95	91	89	99	94	91	89	93	91	89	92	90	88	92	90	88	87
9	98	93	90	88	97	93	90	88	92	89	87	91	89	87	91	89	87	86
10	97	92	89	87	96	91	89	87	91	88	87	90	88	86	90	88	86	85

iW Burst Compact Powercore 8° primary optic

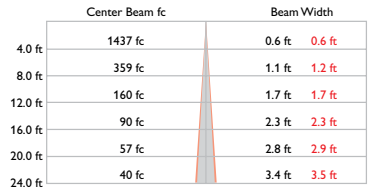
Lumens	709
Efficacy	32.5 lm/W

Polar Candela Distribution



90°	0	22985	22985	22985	22985	22985
	5	7585	7777	8001	8007	7698
80°	15	180	196	171	175	151
	25	77	77	80	85	87
	35	32	34	35	42	42
70°	45	16	19	21	24	26
	55	3	2	6	6	6
60°	65	0	0	0	2	0
	75	0	0	0	0	0
	85	0	0	0	0	0
50°	90	0	0	0	0	0

Illuminance at Distance



151.3 ft (46.1 m)
1 fc maximum distance

Vert. Spread: 8.1°
Horiz. Spread: 8.3°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	664	93.6
0- 40	688	97.1
0- 60	708	99.9
0- 90	709	100.0
90-180	0	0.0
0-180	709	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

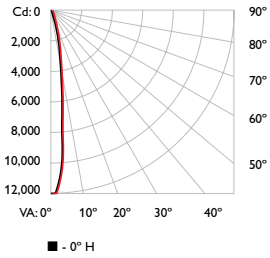
RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	113	111	114	112	111	110	108	107	106	105	104	103	101	101	100	98
2	113	110	108	106	111	109	107	105	106	104	102	103	101	100	100	99	98	97
3	111	107	104	102	109	106	103	101	103	101	100	101	100	98	99	98	97	96
4	108	104	101	99	107	103	101	98	101	99	97	100	98	96	98	97	95	94
5	106	102	99	97	105	101	98	96	100	97	96	98	96	95	97	95	94	93
6	105	100	97	95	104	100	97	95	98	96	94	97	95	93	96	94	93	92
7	103	98	95	93	102	98	95	93	97	95	93	96	94	92	95	93	92	91
8	102	97	94	92	101	97	94	92	96	93	92	95	93	91	94	92	91	90
9	100	96	93	91	100	95	93	91	95	92	91	94	92	90	94	92	90	90
10	99	95	92	90	99	94	92	90	94	91	90	93	91	90	93	91	89	89

For lux multiply fc by 10.7

iW Burst Powercore 14° spread lens

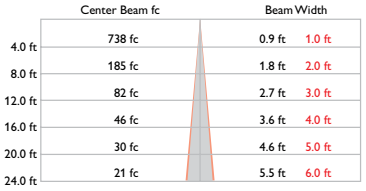
Lumens	960
Efficacy	32.2 lm/W

Polar Candela Distribution



	0	11811	11811	11811	11811	11811
90°	5	7774	8045	8356	8045	7739
80°	15	629	694	737	566	471
	25	130	135	138	136	134
70°	35	64	67	71	71	72
	45	31	36	36	33	30
60°	55	10	12	14	13	13
	65	1	3	5	7	7
	75	0	2	2	3	3
50°	85	0	0	1	1	1
	90	0	0	0	0	0

Illuminance at Distance



108.5 ft (33.1 m)
1 fc maximum distance

Vert. Spread: 13.0°
Horiz. Spread: 14.2°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	872	90.8
0- 40	915	95.3
0- 60	953	99.3
0- 90	960	100.0
90-180	0	0.0
0-180	960	100.0

Coefficients Of Utilization - Zonal Cavity Method

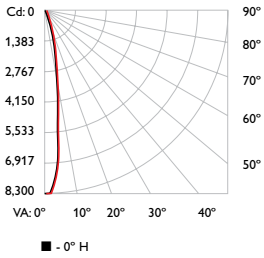
Effective Floor Cavity Reflectance: 20%

RC	80				70				50			30			10		0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	102	104	102	100	101	100	98	98	97	96	95
3	109	105	101	99	107	103	100	98	101	99	96	99	97	95	97	95	94	92
4	106	101	98	95	105	100	97	94	98	96	93	97	94	92	95	93	91	90
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87
7	99	94	90	87	98	93	90	87	92	89	87	91	88	86	90	88	86	85
8	97	92	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84
9	95	90	86	84	95	89	86	84	89	86	84	88	85	83	87	85	83	82
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81

iW Burst Compact Powercore 14° spread lens

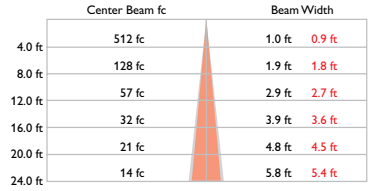
Lumens	622
Efficacy	28.5 lm/W

Polar Candela Distribution



	0	8198	8198	8198	8198	8198
90°	5	5651	5523	5385	5562	5738
80°	15	431	382	331	377	414
	25	85	83	84	88	89
70°	35	36	37	38	40	42
	45	13	15	18	19	21
60°	55	4	4	7	8	9
	65	0	0	3	4	4
	75	0	0	0	0	1
50°	85	0	0	0	0	0
	90	0	0	0	0	0

Illuminance at Distance



90.5 ft (27.6 m)
1 fc maximum distance

Vert. Spread: 13.8°
Horiz. Spread: 12.9°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	576	92.6
0- 40	600	96.5
0- 60	620	99.7
0- 90	622	100.0
90-180	0	0.0
0-180	622	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

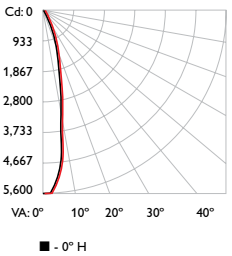
RC	80				70				50			30			10		0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	98
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96
3	109	105	102	100	108	104	101	99	102	99	98	100	98	96	97	96	95	93
4	107	102	99	96	105	101	98	96	99	97	95	98	95	94	96	94	93	92
5	104	99	96	93	103	99	95	93	97	94	92	96	93	92	94	92	91	90
6	102	97	94	91	101	96	93	91	95	92	90	94	92	90	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	88	92	90	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	84
10	95	90	87	85	95	90	87	84	89	86	84	88	86	84	88	86	84	83

For lux multiply fc by 10.7

iW Burst Powercore 23° spread lens

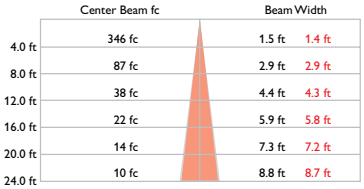
Lumens	961
Efficacy	32.2 lm/W

Polar Candela Distribution



90°	0	5537	5537	5537	5537	5537
	5	4722	4714	4726	4750	4763
80°	15	1281	1270	1281	1335	1380
	25	194	191	195	210	223
70°	35	67	67	71	74	76
	45	29	32	35	35	36
60°	55	12	12	16	18	17
	65	2	3	6	8	9
50°	75	1	0	2	3	3
	85	0	0	0	1	1
	90	0	0	0	0	0

Illuminance at Distance



74.2 ft (22.6 m)
1 fc maximum distance

Vert. Spread: 20.7°
Horiz. Spread: 20.5°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	866	90.2
0- 40	912	95.0
0- 60	952	99.1
0- 90	961	100.0
90-180	0	0.0
0-180	961	100.0

Coefficients Of Utilization - Zonal Cavity Method

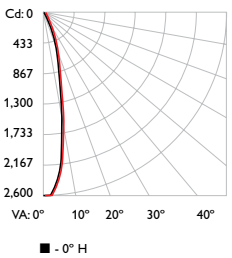
Effective Floor Cavity Reflectance: 20%

RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93
3	107	103	99	96	106	101	98	95	99	96	94	96	94	92	94	92	91	90
4	104	98	94	91	102	97	94	91	95	92	90	94	91	89	92	90	88	87
5	101	95	91	88	99	94	90	87	92	89	86	91	88	86	89	87	85	84
6	98	92	87	84	97	91	87	84	90	86	84	88	85	83	87	85	83	81
7	95	89	85	82	94	88	84	81	87	84	81	86	83	81	85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77
9	90	84	80	77	90	83	79	77	83	79	77	82	79	76	81	78	76	75
10	88	82	78	75	87	81	77	75	81	77	75	80	77	74	79	76	74	73

iW Burst Compact Powercore 23° spread lens

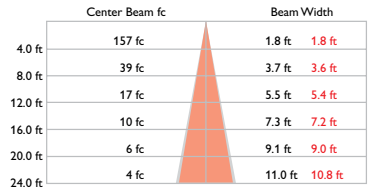
Lumens	621
Efficacy	28.5 lm/W

Polar Candela Distribution



90°	0	1273	1273	1273	1273	1273
	5	1226	1226	1220	1212	1209
80°	15	811	817	819	818	813
	25	315	328	354	373	379
70°	35	74	82	104	120	125
	45	20	24	31	38	39
60°	55	8	10	13	16	18
	65	2	3	5	8	9
50°	75	0	1	1	3	3
	85	0	0	0	1	1
	90	0	0	0	0	1

Illuminance at Distance



50 ft (15.2 m)
1 fc maximum distance

Vert. Spread: 25.7°
Horiz. Spread: 25.3°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	560	90.1
0- 40	591	95.2
0- 60	616	99.2
0- 90	621	100.0
90-180	0	0.0
0-180	621	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

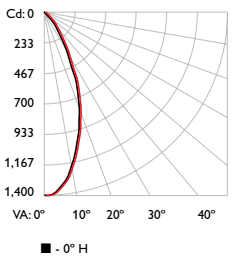
RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	109	112	110	108	107	106	105	104	103	101	100	99	98	98	96
2	110	107	103	101	108	105	102	100	102	99	97	99	97	95	96	95	93	92
3	107	101	98	94	105	100	97	94	98	95	92	95	93	91	93	91	90	88
4	103	97	93	89	101	96	92	89	94	91	88	92	89	87	90	88	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	82
6	96	89	85	82	95	89	85	81	87	84	81	86	83	80	85	82	80	79
7	93	86	82	79	92	86	81	78	84	81	78	83	80	78	82	79	77	76
8	90	83	79	76	89	83	79	76	82	78	75	81	78	75	80	77	75	74
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	73	70	69

For lux multiply fc by 10.7

iW Burst Powercore 41° spread lens

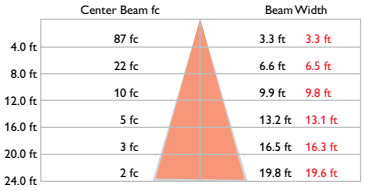
Lumens	919
Efficacy	30.8 lm/W

Polar Candela Distribution



90°	0	1337	1337	1337	1337	1337
	5	1346	1347	1350	1353	1354
80°	15	1026	1025	1023	1027	1030
	25	587	584	575	576	579
70°	35	235	236	232	230	225
	45	63	68	74	75	70
60°	55	19	22	28	32	31
	65	5	7	11	15	17
50°	75	0	1	2	6	7
	85	0	0	0	1	1
	90	0	0	0	1	1

Illuminance at Distance



37.3 ft (11.4 m)
1 fc maximum distance

Vert. Spread: 44.8°
Horiz. Spread: 44.4°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	672	73.2
0- 40	821	89.3
0- 60	904	98.3
0- 90	919	100.0
90-120	0	0.0
90-130	0	0.0
90-150	0	0.0
90-180	0	0.0
0-180	919	100.0

Coefficients Of Utilization - Zonal Cavity Method

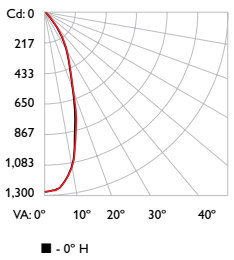
Effective Floor Cavity Reflectance: 20%

RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	87	85	83	81
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	84	79	74	91	84	78	74	82	77	73	80	76	73	79	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	65	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	61	67	63	60	59
9	77	67	62	58	76	67	61	58	66	61	57	65	60	57	64	60	57	56
10	73	64	58	55	72	64	58	55	63	58	54	62	57	54	61	57	54	53

iW Burst Compact Powercore 41° spread lens

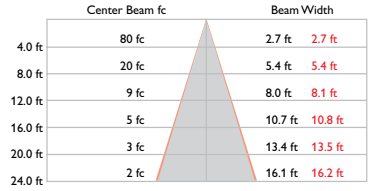
Lumens	609
Efficacy	27.9 lm/W

Polar Candela Distribution



90°	0	1273	1273	1273	1273	1273
	5	1226	1226	1220	1212	1209
80°	15	811	817	819	818	813
	25	315	328	354	373	379
70°	35	74	82	104	120	125
	45	20	24	31	38	39
60°	55	8	10	13	16	18
	65	2	3	5	8	9
50°	75	0	1	1	3	3
	85	0	0	0	1	1
	90	0	0	0	0	1

Illuminance at Distance



35.7 ft (10.9 m)
1 fc maximum distance

Vert. Spread: 37.0°
Horiz. Spread: 37.2°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	497	81.6
0- 40	564	92.6
0- 60	601	98.7
0- 90	609	100.0
90-120	0	0.0
90-130	0	0.0
90-150	0	0.0
90-180	0	0.0
0-180	609	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

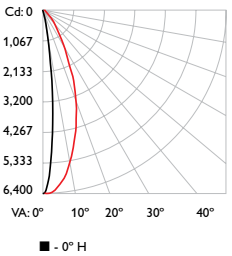
RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	104	102		101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	99	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	89	85	82	88	84	81	86	83	80	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	88	79	74	70	86	79	73	70	77	73	70	76	72	69	75	72	69	68
8	84	76	70	67	83	75	70	66	74	69	66	73	69	66	72	68	66	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	59

For lux multiply fc by 10.7

iW Burst Powercore 10° x 41° spread lens

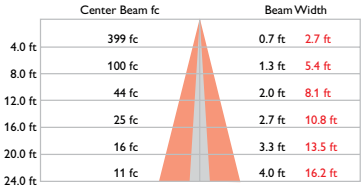
Lumens	980
Efficacy	33.1 lm/W

Polar Candela Distribution



0	6377	6377	6377	6377	6377	90°
5	3003	4131	6175	4037	2897	
15	239	549	4218	350	186	80°
25	95	131	1607	130	98	
35	47	69	379	71	52	70°
45	27	35	98	39	22	
55	7	15	39	19	11	60°
65	2	5	16	9	5	
75	0	1	3	4	2	50°
85	0	0	0	0	0	
90	0	0	0	0	0	

Illuminance at Distance



80 ft (24.4 m)
1 fc maximum distance

Vert. Spread: 9.5°
Horiz. Spread: 37.3°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	851	86.8
0- 40	920	93.8
0- 60	970	99.0
0- 90	980	100.0
90-180	0	0.0
0-180	980	100.0

Coefficients Of Utilization - Zonal Cavity Method

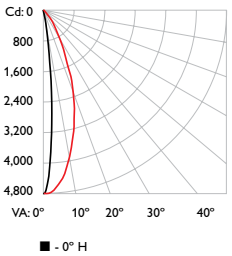
Effective Floor Cavity Reflectance: 20%

RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	94	93	92
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	88
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84
5	99	92	88	85	98	92	87	84	90	86	84	88	85	83	87	84	82	81
6	96	89	84	81	94	88	84	81	87	83	80	86	82	80	84	81	79	78
7	93	86	81	78	92	85	81	78	84	80	77	83	79	77	82	79	77	75
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	79	76	74	73
9	87	80	76	73	86	80	75	72	79	75	72	78	75	72	77	74	72	71
10	85	78	73	70	84	77	73	70	77	73	70	76	72	70	75	72	70	69

iW Burst Compact Powercore 10° x 41° spread lens

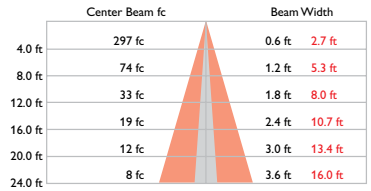
Lumens	637
Efficacy	29.2 lm/W

Polar Candela Distribution



0	4747	4747	4747	4747	4747	90°
5	1865	2741	4589	2829	1896	
15	119	218	3118	202	112	80°
25	55	76	1137	77	59	
35	23	37	247	42	28	70°
45	9	17	55	22	14	
55	2	7	21	11	5	60°
65	1	2	8	5	2	
75	0	0	1	2	1	50°
85	0	0	0	0	0	
90	0	0	0	0	0	

Illuminance at Distance



69 ft (21 m)
1 fc maximum distance

Vert. Spread: 8.7°
Horiz. Spread: 36.9°

Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	565	88.7
0- 40	605	95.0
0- 60	632	99.2
0- 90	637	100.0
90-180	0	0.0
0-180	637	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RC	80			70			50		30		10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	110	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82
6	97	90	86	82	95	89	85	82	88	84	82	87	84	81	86	83	81	79
7	94	87	82	79	93	86	82	79	85	81	79	84	81	78	83	80	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	75
9	89	81	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	72	71

For lux multiply fc by 10.7

iW Burst Powercore Specifications

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

Item	Specification	Details
Output	Beam Angle	8° primary optic 14° / 23° / 41° spread lenses 10° x 41° asymmetric spread lens
	Color Temperature*	2700 K to 6500 K
	Lumens†	1,093 (8°) 960 (14°) 961 (23°) 919 (41°) 980 (10° x 41°)
	Efficacy (lm/W)	36.6 (8°) 32.2 (14°) 32.2 (23°) 30.8 (41°) 33.1 (10° x 41°)
	Lumen Maintenance‡	50,000 hours L_{70} @ 25° C 40,000 hours L_{70} @ 50° C 50,000 hours L_{50} @ 25° C 50,000 hours L_{50} @ 50° C
Electrical	Input Voltage	100 to 240 VAC, auto-ranging, 50/60 Hz
	Power Consumption	30 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (DMX / Ethernet)
	Control System	Philips full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
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
	Luminaire Run Lengths§	46 @ 100 VAC 55 @ 120 VAC 78 @ 220 VAC 78 @ 240 VAC *Example configuration: 20 A circuit, 6.1 m (20 ft) leader cable from Data Enabler Pro to the first junction box, and 610 mm (2 ft) jumper cables between luminaires*
Certification and Safety	Certification	UL/cUL, FCC Class A, CE, PSE, 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

‡ L_{70} = 70% lumen maintenance (when light output drops below 70% of initial output). L_{50} = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED luminaires are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.colorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

§ These figures, provided as a guideline, are accurate for this configuration only. Changing the configuration can affect the luminaire run lengths.

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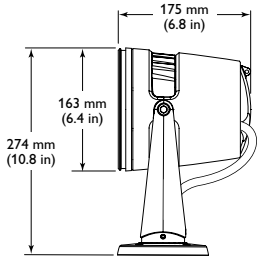
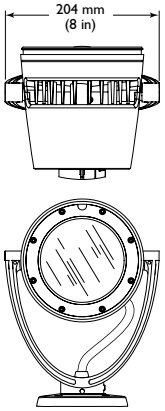
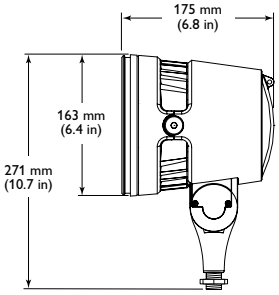
iW Burst Powercore Architectural

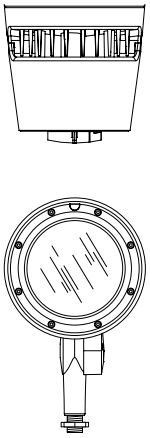




To calculate the number of luminaires your specific installation can support, download the Configuration Calculator from www.colorkinetics.com/support/install_tool/

IW Burst Powercore Landscape





iW Burst Compact Powercore Specifications

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

Item	Specification	Details
Output	Beam Angle	8° primary optic 14° / 23° / 41° spread lenses 10° x 41° asymmetric spread lens
	Color Temperature*	2700 K to 6500 K
	Lumens†	709 (8°) 622 (14°) 621 (23°) 609 (41°) 637 (10° x 41°)
	Efficacy (lm / W)	32.5 (8°) 28.5 (14°) 28.5 (23°) 27.9 (41°) 29.2 (10° x 41°)
	Lumen Maintenance‡	50,000 hours L70 @ 25° C 35,000 hours L70 @ 50° C 50,000 hours L50 @ 25° C 50,000 hours L50 @ 50° C
Electrical	Input Voltage	100 to 240 VAC, auto-ranging, 50/60 Hz
	Power Consumption	15 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (DMX/Ethernet)
	Control System	Philips full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers
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
	Vibration Resistance	ANSI C136.31 (Architectural only)
	Mechanical Impact	IK07
	Humidity	0 to 95%, non-condensing
	Luminaire Run Lengths§	77 @ 100 VAC 78 @ 120 VAC 78 @ 220 VAC 78 @ 240 VAC *Example configuration: 20 A circuit, 6.1 m (20 ft) leader cable from Data Enabler Pro to the first junction box, and 610 mm (2 ft) jumper cables between luminaires*
Certification and Safety	Certification	UL/cUL, FCC Class A, CE, PSE, 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

‡ L_{70} = 70% lumen maintenance (when light output drops below 70% of initial output). L_{50} = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED luminaires are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.colorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

§ These figures, provided as a guideline, are accurate for this configuration only. Changing the configuration can affect the luminaire run lengths.

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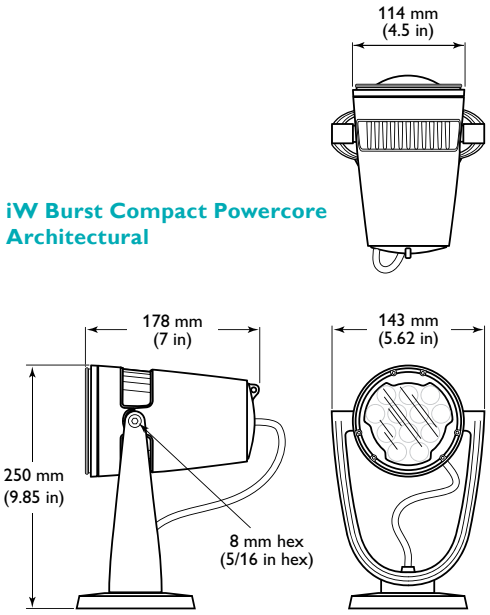
iW Burst Compact Powercore Architectural



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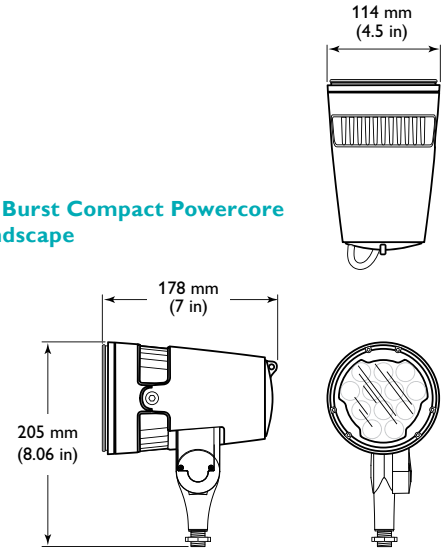
iW Burst Compact Powercore Landscape



Luminaires

iW Burst Powercore luminaires are part of a complete system which includes luminaires and:

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

Item	Size	Housing Color	Item Number	Philips 12NC
iW Burst Powercore Landscape UL/cUL/CE	Standard	Gray	523-000064-00	910503702055
		Black	523-000064-03	910503702139
		White	523-000064-06	910503702142
	Compact	Gray	523-000067-00	910503702057
		Black	523-000067-03	910503702208
		White	523-000067-06	910503702211
iW Burst Powercore Architectural UL/cUL/CE	Standard	Gray	523-000064-01	910503702056
		Black	523-000064-04	910503702140
		White	523-000064-07	910503702143
	Compact	Gray	523-000067-01	910503702058
		Black	523-000067-04	910503702209
		White	523-000067-07	910503702212
iW Burst Powercore Architectural CQC	Standard	Gray	523-000064-02	910503702138
		Black	523-000064-05	910503702141
		White	523-000064-08	910503702144
	Compact	Gray	523-000067-02	910503702347
		Black	523-000067-05	910503702348
		White	523-000067-08	910503702349

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° x 41° asymmetric	Standard		120-000080-03	910503700612
		Compact		120-000080-07	910503701418
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

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

Use Item Number when ordering in North America.

Installation

iW Burst Powercore offers intelligent white light in a range of color temperatures for LED spotlighting, site lighting, and accent lighting with Powercore technology. Powercore, which integrates LED power and data management within the luminaire, eases installation by eliminating the need for external power supplies.

iW Burst Powercore and iW Burst Compact Powercore installation and configuration details are identical except where indicated.

Owner/User Responsibilities

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

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

Installing in Damp or Wet Locations

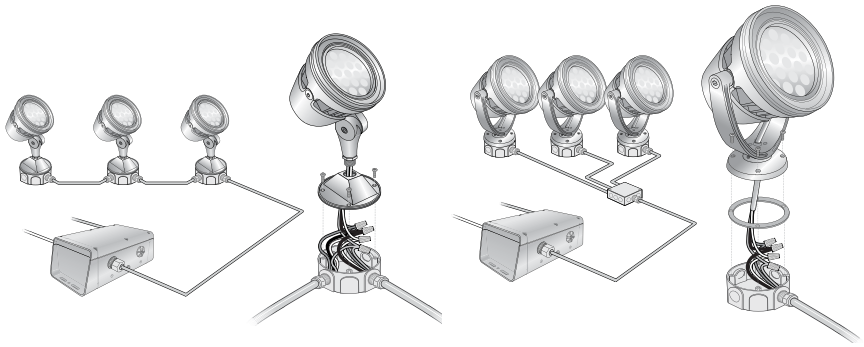
When installing in damp or wet locations, it is good practice to seal all luminaires and junction boxes with electronics-grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in any wiring compartments, cables, or other electrical parts. You must use suitable outdoor-rated junction boxes when installing in wet or damp locations. Additionally, you must use gaskets, clamps, and other parts required for installation to comply with all applicable local and national codes

Plan the Installation

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

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

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



- iW 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 / data cable from the canopy base.
- iW 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.

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

Maximum luminaire run lengths

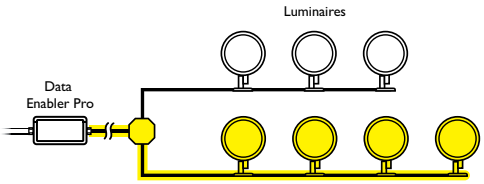
iW Burst Powercore
46 @ 100 VAC
55 @ 120 VAC
78 @ 220 VAC
78 @ 240 VAC

iW Burst Compact Powercore
77 @ 100 VAC
78 @ 120 VAC
78 @ 220 VAC
78 @ 240 VAC

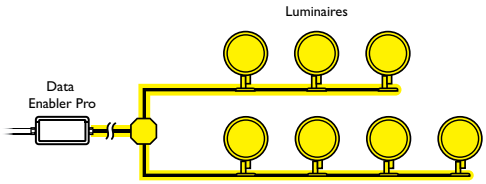
assuming a 20 A circuit, 6.1 m (20 ft) leader cable from Data Enabler Pro to the first junction box, and 610 mm (2 ft) jumper cables between luminaires

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

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



Data integrity — 53.3 m (175 ft) maximum individual length



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

For installations in which you want to manually adjust the brightness and color temperature of all connected iW Burst Powercore luminaires in unison, use ColorDial Pro. For installations in which you want to dynamically control the brightness and color temperature of individual luminaires, use a controller such as iPlayer 3 or Light System Manager. Refer to "Controlling iW Burst Powercore Luminaires" below for details.

Start the Installation

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

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

iW 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

iW 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 luminaires in place

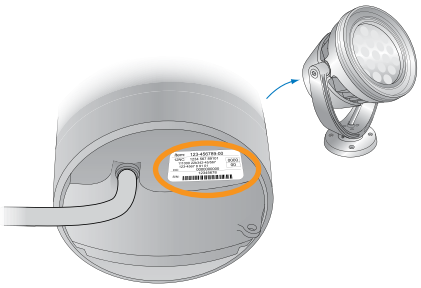
All Installations

- A sufficient length 4-conductor wire. We recommend 2.05 mm (12 AWG) stranded copper wire.
- Conduit as required

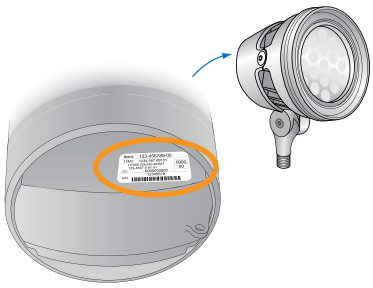
- Electronics-grade room temperature vulcanizing (RTV) silicone sealant as required
- A 5/32 in hex wrench for installing accessories, or a 3 mm hex wrench for installing iW Burst Compact Powercore accessories

Unpack and Prepare Luminaires

1. Carefully inspect the box containing iW Burst Powercore and the contents for any damage that may have occurred in transit.



Architectural



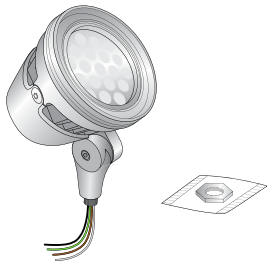
Landscape

2. Each iW Burst Powercore luminaire comes pre-programmed with a unique serial number. If you plan to control luminaires independently, record the serial numbers in a layout grid (typically a spreadsheet or list) for easy reference and light addressing.
3. Assign each luminaire to a position in the lighting design plan.
4. To streamline installation and aid in light show programming when using dynamic effects, you can affix a weatherproof label identifying the order or placement in the installation to an inconspicuous location on each light luminaire's housing.

Included in the box

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

iW Burst Powercore Landscape
iW Burst Powercore Landscape luminaire
Locking nut
Installation Instructions



Connect and Mount iW Burst Powercore Architectural Luminaires

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

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

Connecting iW Burst Powercore Architectural Luminaires to Junction Boxes

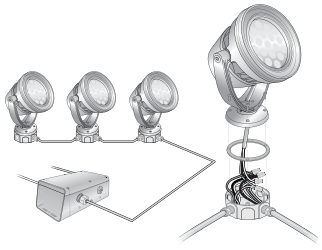
1. Mount junction boxes in accordance with the lighting design plan. Each luminaire is designed for mounting in a 102 mm (4 in) round US electrical junction box, rated for your application, with 89 mm (3.5 in) center-to-center screw holes for attaching the luminaire's base.

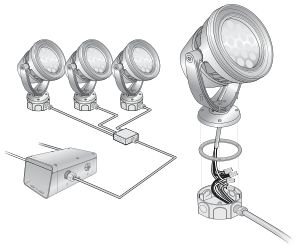
   Architectural luminaires are supplied with a grounding wire attached to the luminaire's base (canopy). The canopy ground wire can be attached to a grounding point in the junction box, or connected with the ground in the luminaire cable

   Wiring between junction boxes must comply with local codes.

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

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



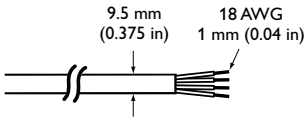


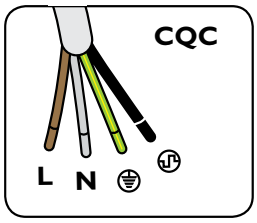
We recommend the use of 2.05 mm (12 AWG), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual iW Burst Powercore luminaire is 53 m (175 feet). When installing in parallel, the total cable length cannot exceed 122 m (400 feet).

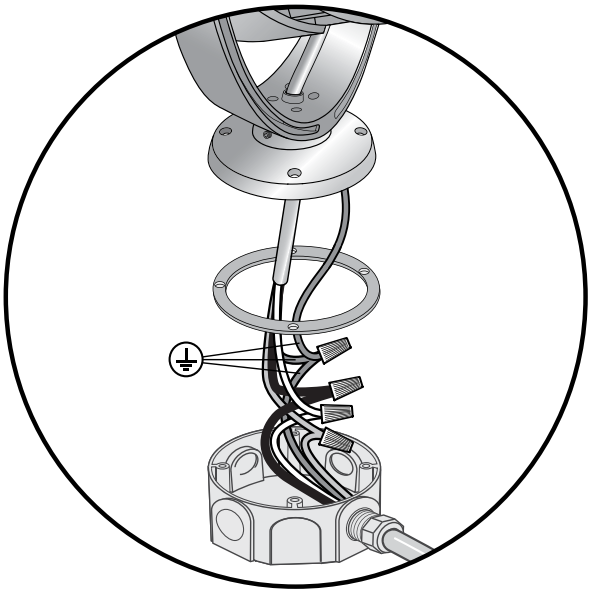
3. Trim the cable from the luminaire to fit in the junction box, leaving enough cable to make wiring connections.
4. Use wire nuts to connect line, neutral, ground, and data. If installing in a damp or wet location, use the included junction box gasket.

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

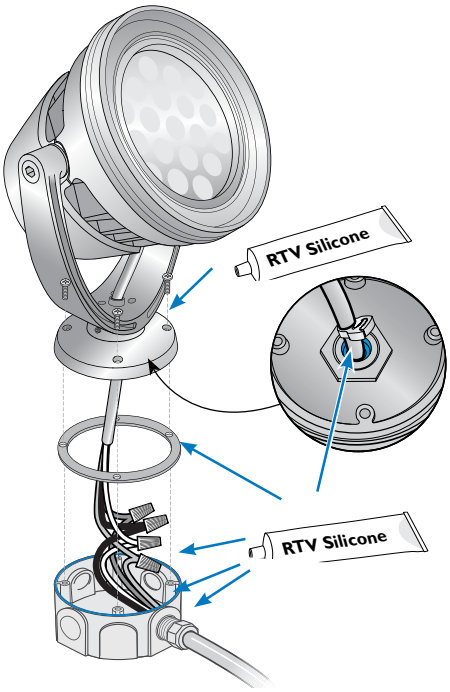
Leader Cable connector dimensions





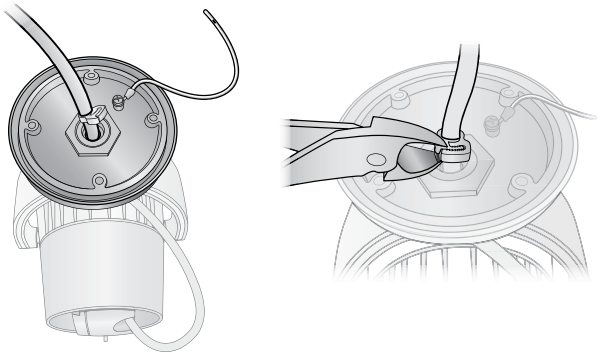


5. Tuck wire connections into the junction box.
6. Screw the luminaire's canopy base into the junction box using the four included 10-24 stainless steel screws. If installing in a damp or wet location, seal all junction boxes with elect-grade RTV silicone sealant. Use gaskets, clamps, and other parts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

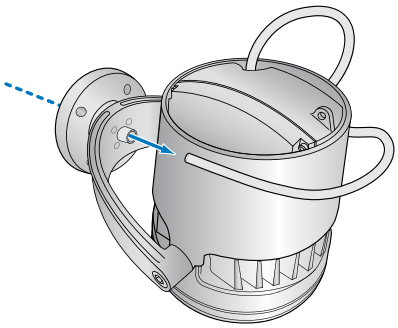


Surface-Mounting iW Burst Powercore Architectural Luminaires

1. Prepare iW 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.

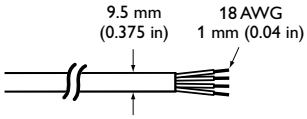


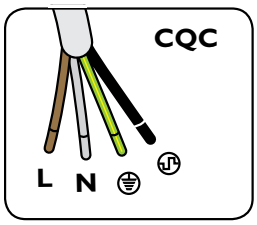
   - Disengage the leader cable from the luminaire's canopy base.



2. Mount junction boxes in accordance with the lighting design plan.
3. Position each iW 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.
4. Use four suitable mounting screws to secure each iW Burst Powercore Architectural luminaire to the mounting location.

Leader Cable connector dimensions

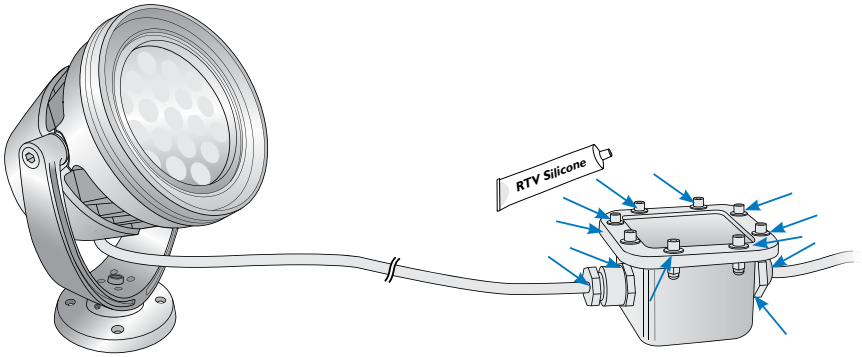




5. If installing luminaires in a series, pull copper wire between the junction boxes.

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

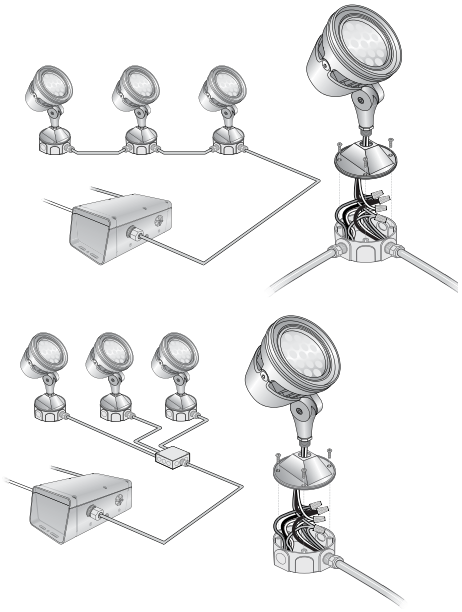
   We recommend the use of 2.05 mm (12 AWG), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual iW Burst Powercore luminaire is 53 m (175 feet). When installing in parallel, the total cable length cannot exceed 122 m (400 feet).
6. Use wire nuts to connect line, neutral, ground, and data. If installing in a damp or wet location, use the included junction box gasket.
7. Tuck wire connections into the junction box.
8. Secure all junction box covers. If installing in a damp or wet location, seal all junction boxes with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.



Connect and Mount iW Burst Powercore Landscape Luminaires

iW 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 iW Burst Powercore luminaires.

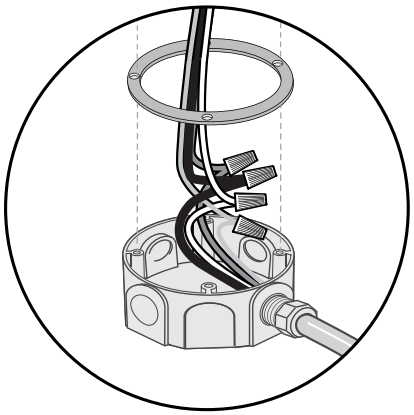


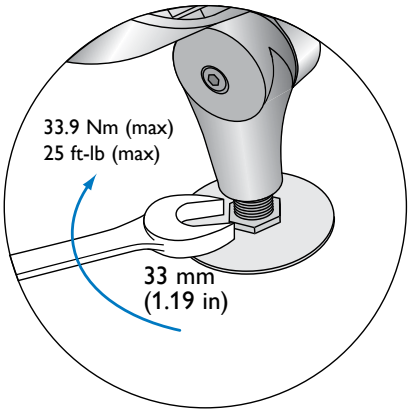
1. Mount junction boxes and any landscape mounting accessories in accordance with the lighting design plan.
2. If installing luminaires in a series, pull copper wire between the junction boxes, and from the junction boxes to the luminaires as needed.

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

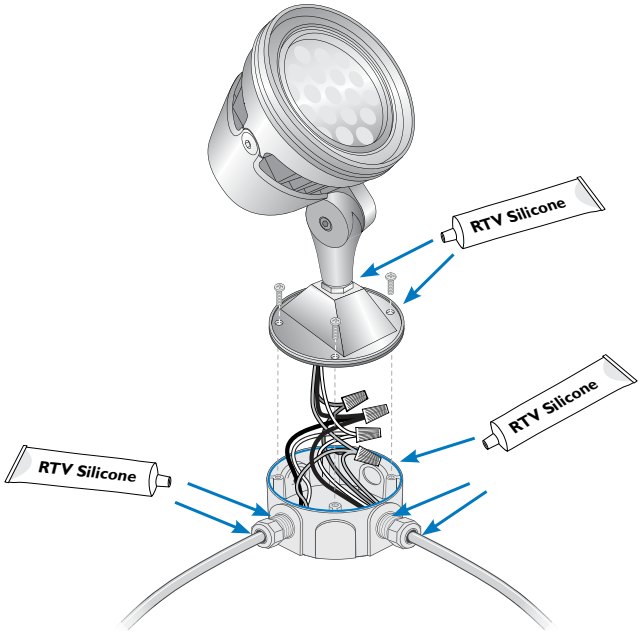
   We recommend the use of 2.05 mm (12 AWG), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual iW Burst Powercore luminaire is 53 m (175 feet). When installing in parallel, the total cable length cannot exceed 122 m (400 feet).
3. Thread the locking nut onto the iW Burst Powercore Landscape threaded post.
4. Use wire nuts to connect line, neutral, ground, and data.
5. Tuck wire connections into the junction box or mounting accessory.

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





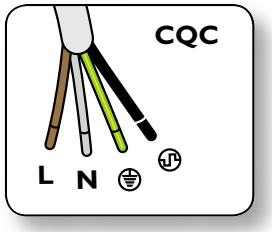
7. If installing in a damp or wet location, seal all junction boxes and mounting accessories with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.

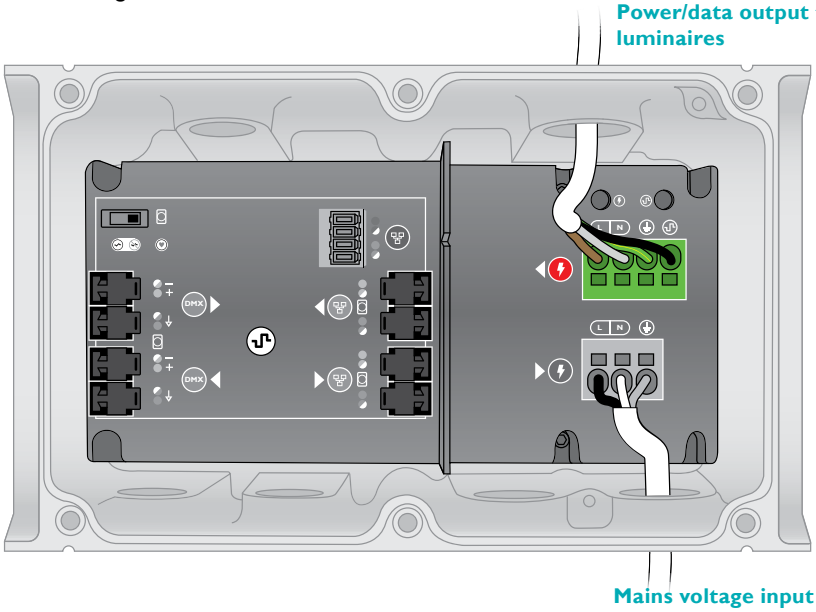


Connect Luminaire Cable to Power

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

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





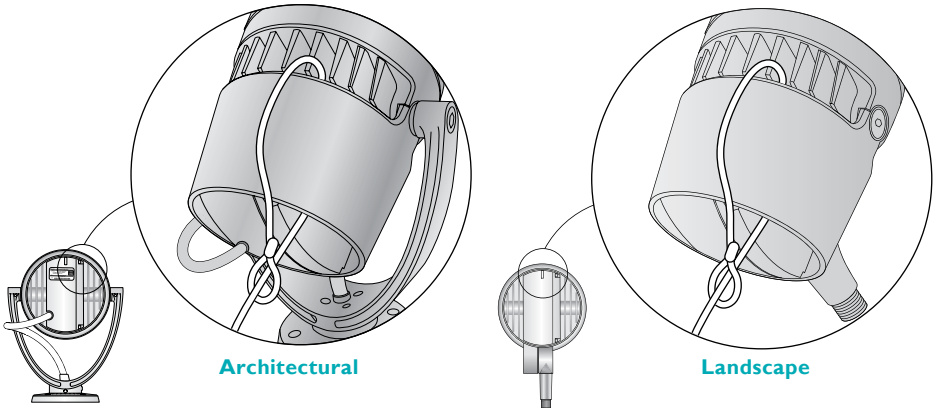
Attach Safety Cable (Optional)

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

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)

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

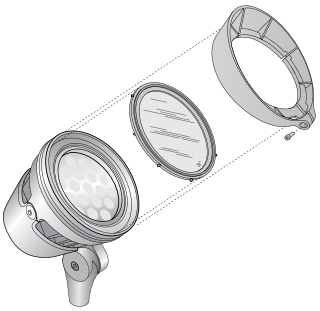


2. Attach the safety cable to the mounting surface using a method that follows the code or engineer's requirements.

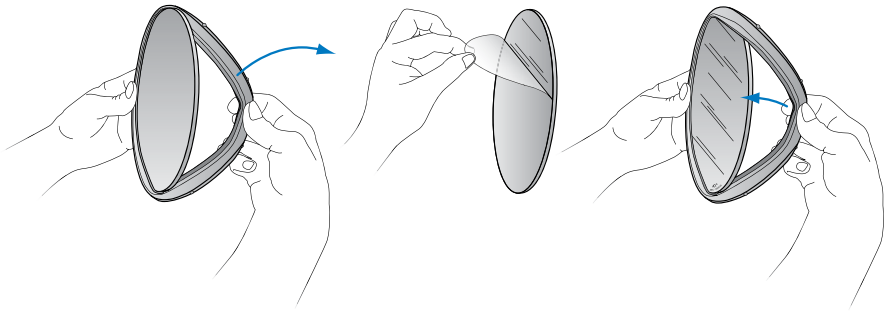
Attach Accessories (Optional)

Honeycomb Louvers and exchangeable iW Burst Powercore spread lenses of 14°, 23°, 41°, and an asymmetric 10° x 41° support a variety of photometric distributions for a multitude of applications.

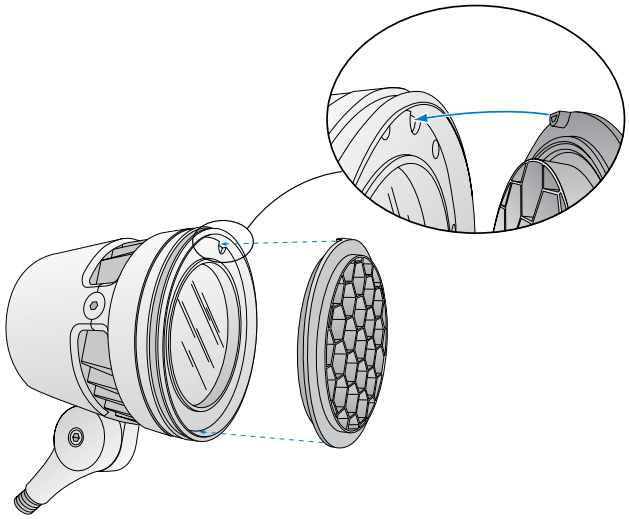
You attach Honeycomb Louvers and Spread Lenses with the Trim Ring, 45° Glare Shield, or Full Height Glare Shield, available separately. You can attach either one Honeycomb Louver or one Spread Lens at a time.

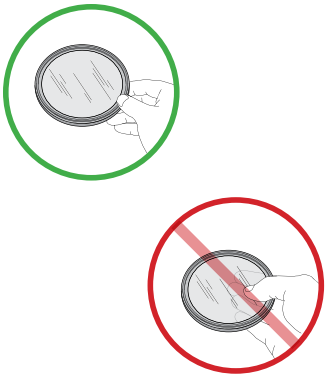


1. Unpack and confirm the contents of the box. Each accessory is shipped one per box. Spread Lenses include an attached rubber gasket. The Trim Ring, 45° Glare Shield, and Full Height Glare Shield include an attached locking screw.
2. Clean the face of the iW Burst Powercore housing, including glass 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.



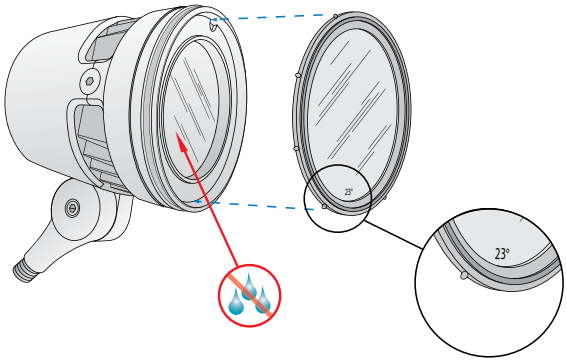
4. Position the honeycomb louver or spread lens:
   - If using the honeycomb louver, insert the tab on the honeycomb louver into the notch on the face of the iW Burst Powercore luminaire housing.



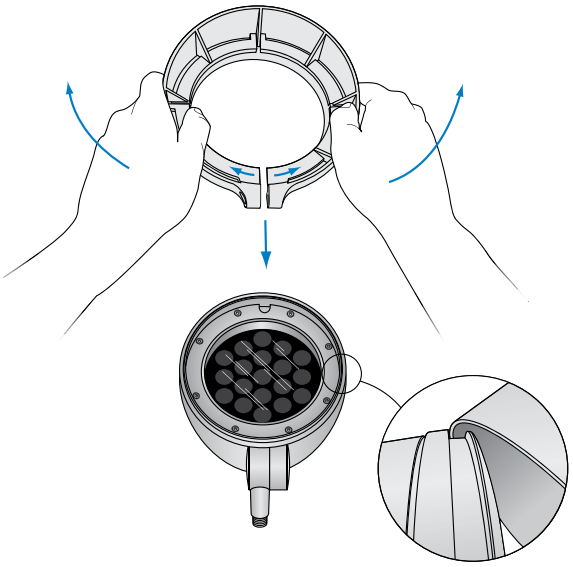


Rotating the asymmetric 10° x 41° spread lens changes its effect on the luminaire's light output. You may want to rough-in the spread lens position, fine-tune it when aiming and locking the luminaire, then lock down the trim ring or glare shield once the lens is positioned to give the desired results.

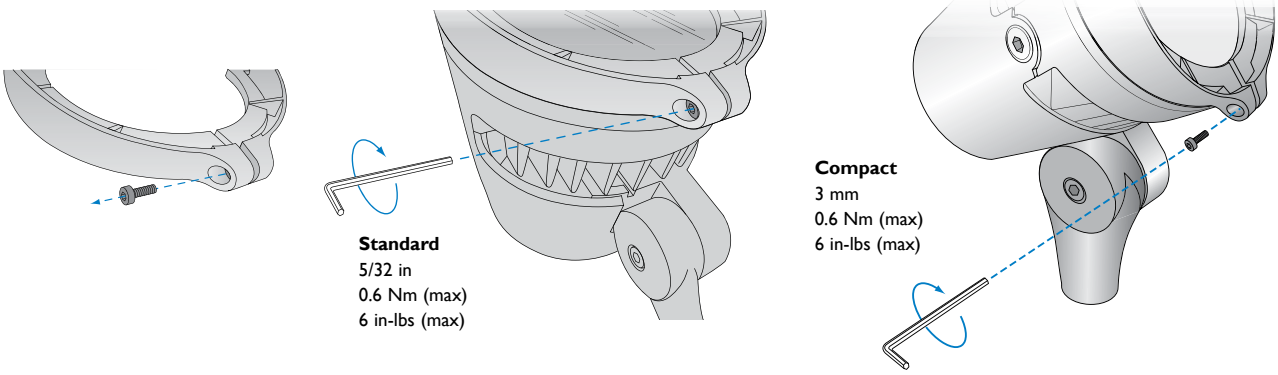
- If using a spread lens, make sure that the beam-angle designation on the edge of the lens is face up. Handle the spread lens by the gasket, making sure not to touch or soil either surface of the spread lens. Rest the lens against the face of the iW Burst Powercore housing. Make sure that there is no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



5. If necessary, us 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 IW Burst Compact Powercore, use a 3 mm hex wrench.



Standard
5/32 in
0.6 Nm (max)
6 in-lbs (max)

Compact
3 mm
0.6 Nm (max)
6 in-lbs (max)

Controlling iW Burst Powercore Luminaires

Philips Color Kinetics offers a number of control options for all iW Burst Powercore luminaires, from simple to complex.

Displaying Fixed Light Output

For installations in which you want to manually adjust the brightness and color temperature of all luminaires in unison, use ColorDial Pro in iW Mode. With ColorDial Pro, no luminaire addressing or configuration is necessary.

ColorDial Pro is a Power-Over-Ethernet (PoE) device that requires a PoE switch, or a conventional Ethernet switch with a PoE injector. Refer to the *ColorDial Pro Installation Instructions* and the *ColorDial Pro User Guide* for details on how to install and use ColorDial Pro with iW Burst Powercore luminaires.

Displaying Dynamic Light Output

For dynamic installations in which you want to display different light output on iW Burst Powercore luminaires simultaneously, you must use an RGB-based DMX or Ethernet controller such as iPlayer 3 or Light System Manager. To support dynamic effects that automatically modify brightness and color temperature on individual luminaires, you must address and configure iW Burst Powercore luminaires as you would any color-changing (RGB) luminaire.

iW Burst Powercore luminaires use DMX addresses to communicate with controllers. The number of DMX addresses each iW Burst Powercore luminaire requires depends on the luminaire's configuration.

LED Channels

RGB	iW Burst Powercore
Red	Warm
Green	Cool
Blue	Unused

Addressing iW Burst Powercore Luminaires

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

You address and configure iW Burst Powercore luminaires using QuickPlay Pro addressing and configuration software. Luminaires are identified within QuickPlay Pro by serial number, so you will need the layout grid that you created when you recorded the serial numbers of your luminaires during installation planning.

You can download QuickPlay Pro 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.

iW Burst Powercore luminaires operate in 8-bit mode by default. You can configure luminaires to operate in 16-bit mode, which increases resolution for smoother dimming and more precise control. In 8-bit mode, luminaires use one DMX address per LED channel. In 16-bit mode, luminaires use two DMX addresses per LED channel. The first DMX address corresponds to the "coarse" data for that channel, and the second corresponds to the "fine" data. By using double the number of DMX addresses, 16-bit mode increases luminaire resolution from 256 dimming steps to 65,536 (256 x 256) dimming steps.

You can address and configure iW Burst Powercore luminaires in much the same way as you would address any RGB luminaire. The red channel corresponds to the warm LEDs, the green channel corresponds to the cool LEDs, and the blue channel is not used.

Note that although the blue DMX channel is not used, it is *assigned*, so that each iW Burst Powercore luminaire uses three DMX sequential addresses (or a multiple of three addresses).

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

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

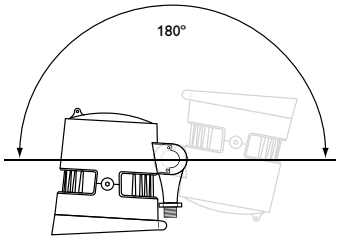
iW Burst Powercore luminaires come factory-addressed with a starting DMX address of 1. For lighting designs where luminaires work in unison, all luminaires can be assigned the same starting DMX address. Changes to the default starting DMX addresses are not necessary, but if lights were previously readdressed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

The following table shows the DMX channel assignments for 8-bit and 16-bit iW Burst Powercore configurations, assuming a starting DMX address of 1.

DMX Channel Assignments: Two-Channel Mode

8-bit Mode	1		2		3	
	Warm		Cool		Unused	
16-Bit Mode	1	2	3	4	5	6
	Warm	Warm	Cool	Cool	Unused	Unused

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



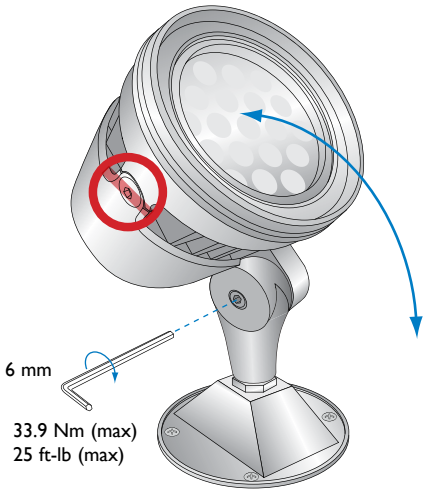
Aim and Lock Luminaires

Make sure power is ON before aiming luminaires.

iW Burst Powercore luminaires can tilt through a full 180°. iW 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.

Aiming and Locking iW Burst Powercore Landscape Luminaires

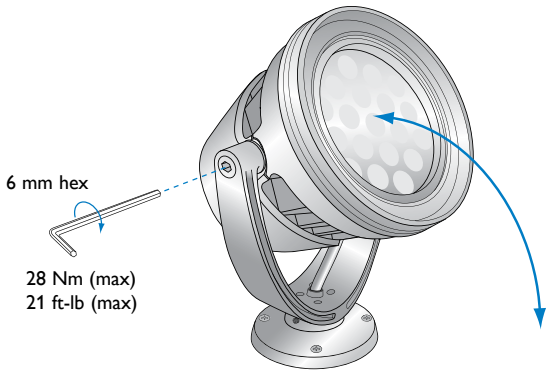
1. Using a 6 mm hex wrench, loosen the locking nut on the side of the luminaire base.
2. Aim the luminaire by tilting the beam as desired.
3. When the luminaire is aimed as desired, re-tighten the locking nut to secure the luminaire in place. Torque to 33.9 Nm (25 ft-lbs). Do not over-tighten.

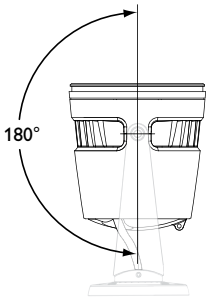


Aiming and Locking iW Burst Powercore Architectural Luminaires

1. To tilt the beam:

   - Loosen the locking nuts on either side of the luminaire yoke using a 6 mm hex wrench.

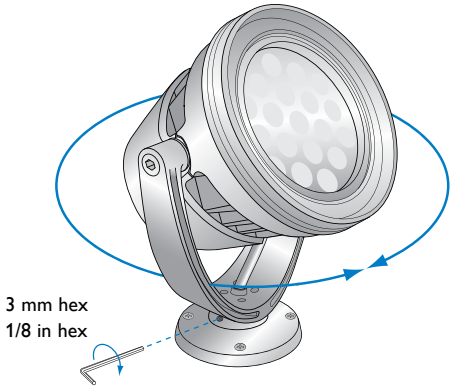


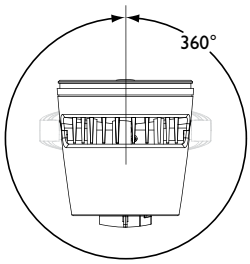


   - Tilt the beam as desired.
   - Re-tighten the locking nuts to secure the luminaire in place. Torque to 28 Nm (21 ft-lbs). Do not over-tighten.

2. To rotate the luminaire:

   - Loosen the locking nuts on either side of the luminaire yoke's base using a 3 mm or 1/8 in hex wrench.





   - Rotate the luminaire as desired.
   - Re-tighten the locking nuts to secure the luminaire in place.

DAS-000083-00 R05 09 Jan 2018

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