# iW Burst Powercore

Architectural and landscape LED spotlight with intelligent white light

PHILIPS

COLOR KINETICS

# iW Burst Powercore

## Architectural and landscape LED spotlight with intelligent white light

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 – 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 fixtures 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 fixtures 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 fixtures 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 – 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 — Fixtures can tilt through a full 180°. Architectural fixtures also rotate through a full 360° for precise aiming.
- Universal power input range — Accepts a universal power input range of 100 – 240 VAC, allowing long fixture runs and consistent installation in any location around the world.
- Outdoor rated — With a rugged, die-cast aluminum housing fully sealed for maximum fixture 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 fixtures are available in standard and compact sizes for all accent and site lighting needs.

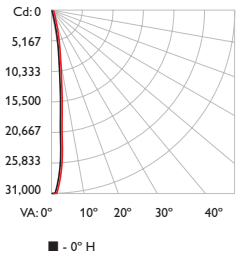
# Photometrics

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

## iW Burst Powercore 8° primary optic

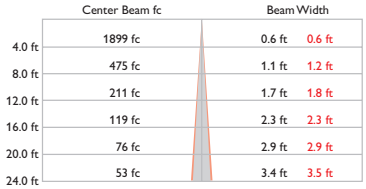
| | |
|---|---|
| Lumens | 1093 |
| Efficacy | 36.6 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 90° | 0 | 30391 | 30391 | 30391 | 30391 | 30391 |
| 80° | 5 | 12074 | 11755 | 11313 | 10438 | 9934 |
| | 15 | 476 | 439 | 331 | 261 | 248 |
| 70° | 25 | 126 | 130 | 130 | 127 | 129 |
| | 35 | 61 | 64 | 71 | 72 | 71 |
| 60° | 45 | 51 | 58 | 53 | 37 | 29 |
| | 55 | 10 | 13 | 14 | 13 | 13 |
| | 65 | 3 | 5 | 10 | 10 | 6 |
| 50° | 75 | 0 | 5 | 5 | 3 | 3 |
| | 85 | 0 | 0 | 0 | 0 | 0 |
| | 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




174 ft (53.0 m)
1 fc maximum distance

Vert. Spread: 8.2°
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

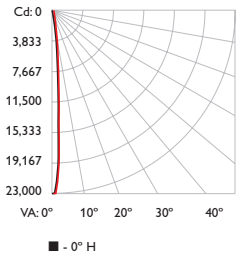
Effective Floor Cavity Reflectance: 20%

| RC | 80 | | | 70 | | | 50 | | 30 | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 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

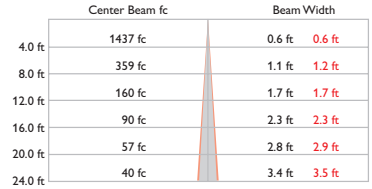
| | |
|---|---|
| Lumens | 709 |
| Efficacy | 32.5 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 90° | 0 | 22985 | 22985 | 22985 | 22985 | 22985 |
| 80° | 5 | 7585 | 7777 | 8001 | 8007 | 7698 |
| | 15 | 180 | 196 | 171 | 175 | 151 |
| 70° | 25 | 77 | 77 | 80 | 85 | 87 |
| | 35 | 32 | 34 | 35 | 42 | 42 |
| 60° | 45 | 16 | 19 | 21 | 24 | 26 |
| | 55 | 3 | 2 | 6 | 6 | 6 |
| | 65 | 0 | 0 | 0 | 2 | 0 |
| 50° | 75 | 0 | 0 | 0 | 0 | 0 |
| | 85 | 0 | 0 | 0 | 0 | 0 |
| | 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%

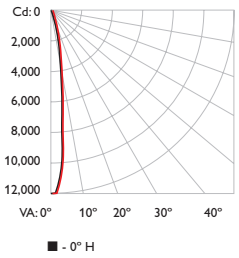
| RC | 80 | | | 70 | | | 50 | | 30 | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 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

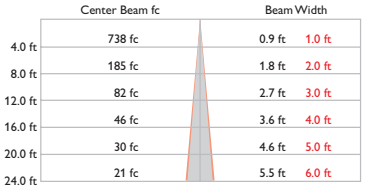
| | |
|---|---|
| Lumens | 960 |
| Efficacy | 32.2 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 90° | 0 | 11811 | 11811 | 11811 | 11811 | 11811 |
| 80° | 5 | 7774 | 8045 | 8356 | 8045 | 7739 |
| | 15 | 629 | 694 | 737 | 566 | 471 |
| 70° | 25 | 130 | 135 | 138 | 136 | 134 |
| | 35 | 64 | 67 | 71 | 71 | 72 |
| 60° | 45 | 31 | 36 | 36 | 33 | 30 |
| | 55 | 10 | 12 | 14 | 13 | 13 |
| 50° | 65 | 1 | 3 | 5 | 7 | 7 |
| | 75 | 0 | 2 | 2 | 3 | 3 |
| | 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

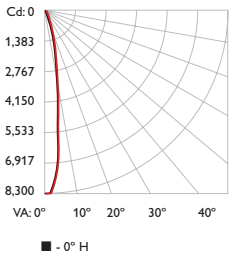
Effective Floor Cavity Reflectance: 20%

| RC | 80 | | | 70 | | | 50 | | 30 | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 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

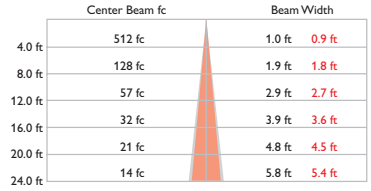
| | |
|---|---|
| Lumens | 622 |
| Efficacy | 28.5 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 90° | 0 | 8198 | 8198 | 8198 | 8198 | 8198 |
| 80° | 5 | 5651 | 5523 | 5385 | 5562 | 5738 |
| | 15 | 431 | 382 | 331 | 377 | 414 |
| 70° | 25 | 85 | 83 | 84 | 88 | 89 |
| | 35 | 36 | 37 | 38 | 40 | 42 |
| 60° | 45 | 13 | 15 | 18 | 19 | 21 |
| | 55 | 4 | 4 | 7 | 8 | 9 |
| 50° | 65 | 0 | 0 | 3 | 4 | 4 |
| | 75 | 0 | 0 | 0 | 0 | 1 |
| | 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%

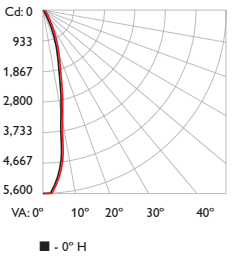
| RC | 80 | | | 70 | | | 50 | | 30 | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 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

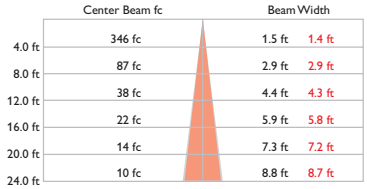
| | |
|---|---|
| Lumens | 961 |
| Efficacy | 32.2 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 5537 | 5537 | 5537 | 5537 | 5537 |
| 5 | 4722 | 4714 | 4726 | 4750 | 4763 |
| 15 | 1281 | 1270 | 1281 | 1335 | 1380 |
| 25 | 194 | 191 | 195 | 210 | 223 |
| 35 | 67 | 67 | 71 | 74 | 76 |
| 45 | 29 | 32 | 35 | 35 | 36 |
| 55 | 12 | 12 | 16 | 18 | 17 |
| 65 | 2 | 3 | 6 | 8 | 9 |
| 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

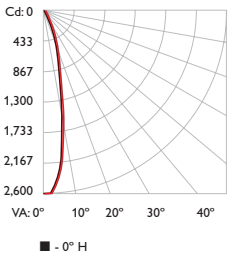
Effective Floor Cavity Reflectance: 20%

| RC | 80 | | | 70 | | | 50 | | 30 | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 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

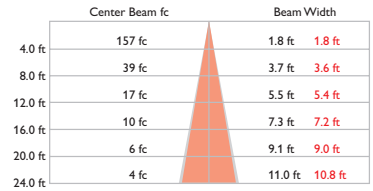
| | |
|---|---|
| Lumens | 621 |
| Efficacy | 28.5 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 1273 | 1273 | 1273 | 1273 | 1273 |
| 5 | 1226 | 1226 | 1220 | 1212 | 1209 |
| 15 | 811 | 817 | 819 | 818 | 813 |
| 25 | 315 | 328 | 354 | 373 | 379 |
| 35 | 74 | 82 | 104 | 120 | 125 |
| 45 | 20 | 24 | 31 | 38 | 39 |
| 55 | 8 | 10 | 13 | 16 | 18 |
| 65 | 2 | 3 | 5 | 8 | 9 |
| 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%

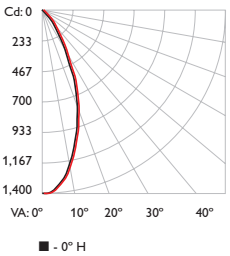
| RC | 80 | | | 70 | | | 50 | | 30 | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 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

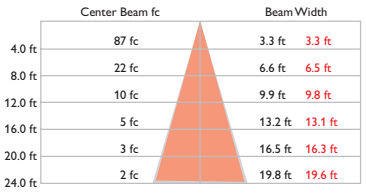
| | |
|---|---|
| Lumens | 919 |
| Efficacy | 30.8 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 1397 | 1397 | 1397 | 1397 | 1397 |
| 5 | 1346 | 1347 | 1350 | 1353 | 1354 |
| 15 | 1026 | 1025 | 1023 | 1027 | 1030 |
| 25 | 587 | 584 | 575 | 576 | 579 |
| 35 | 235 | 236 | 232 | 230 | 225 |
| 45 | 63 | 68 | 74 | 75 | 70 |
| 55 | 19 | 22 | 28 | 32 | 31 |
| 65 | 5 | 7 | 11 | 15 | 17 |
| 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

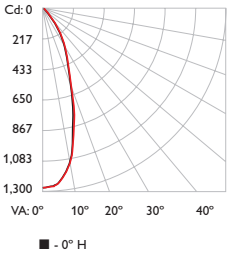
Effective Floor Cavity Reflectance: 20%

| 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

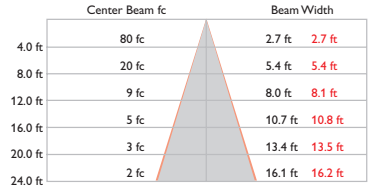
| | |
|---|---|
| Lumens | 609 |
| Efficacy | 27.9 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 1273 | 1273 | 1273 | 1273 | 1273 |
| 5 | 1226 | 1226 | 1220 | 1212 | 1209 |
| 15 | 811 | 817 | 819 | 818 | 813 |
| 25 | 315 | 328 | 354 | 373 | 379 |
| 35 | 74 | 82 | 104 | 120 | 125 |
| 45 | 20 | 24 | 31 | 38 | 39 |
| 55 | 8 | 10 | 13 | 16 | 18 |
| 65 | 2 | 3 | 5 | 8 | 9 |
| 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%

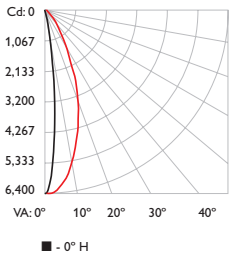
| RC | 80 | | | 70 | | | 50 | | 30 | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 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

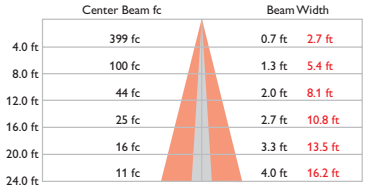
| | |
|---|---|
| Lumens | 980 |
| Efficacy | 33.1 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 90° | | | | | |
| 0 | 6377 | 6377 | 6377 | 6377 | 6377 |
| 80° 5 | 3003 | 4131 | 6175 | 4037 | 2897 |
| 15 | 239 | 549 | 4218 | 350 | 186 |
| 25 | 95 | 131 | 1607 | 130 | 98 |
| 70° 35 | 47 | 69 | 379 | 71 | 52 |
| 45 | 27 | 35 | 98 | 39 | 22 |
| 60° 55 | 7 | 15 | 39 | 19 | 11 |
| 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

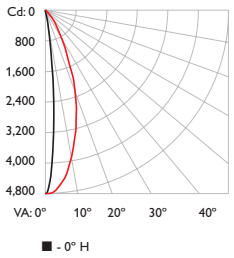
Effective Floor Cavity Reflectance: 20%

| 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

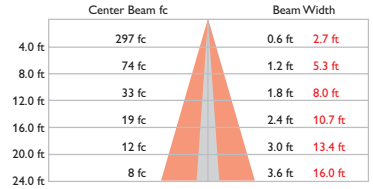
| | |
|---|---|
| Lumens | 637 |
| Efficacy | 29.2 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 90° | | | | | |
| 0 | 4747 | 4747 | 4747 | 4747 | 4747 |
| 80° 5 | 1865 | 2741 | 4589 | 2829 | 1896 |
| 15 | 119 | 218 | 3118 | 202 | 112 |
| 25 | 55 | 76 | 1137 | 77 | 59 |
| 70° 35 | 23 | 37 | 247 | 42 | 28 |
| 45 | 9 | 17 | 55 | 22 | 14 |
| 60° 55 | 2 | 7 | 21 | 11 | 5 |
| 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<br>14° / 23° / 41° spread lenses<br>10° x 41° asymmetric spread lens |
| | Color Temperature* | 2700 K – 6500 K |
| | Lumens† | 1093 (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<br>50,000 hours $L_{50}$ @ 25° C 50,000 hours $L_{50}$ @ 50° C |
| Electrical | Input Voltage | 100 – 240 VAC, auto-switching, 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<br>*(Height x Width x Depth)* | 10.8 x 8.0 x 6.8 in (274 x 204 x 175 mm) Architectural<br>10.7 x 6.4 x 6.8 in (271 x 163 x 175 mm) Landscape |
| | Weight | 11 lb (5 kg) Architectural 7.4 lb (3.4 kg) Landscape |
| | Housing | Die-cast aluminium, powder-coated finish |
| | Lens | Tempered glass |
| | Fixture Connections | 6 ft (1.8 m) unified power / data cable with flying leads Architectural<br>6 in (152 mm) flying leads Landscape |
| | Temperature Ranges | -40° – 122° F (-40° – 50° C) Operating<br>-4° – 122° F (-20° – 50° C) Startup<br>-40° – 176° F (-40° – 80° C) Storage |
| | Vibration Resistance | ANSI C136.31 (Architectural only) |
| | Humidity | 0 – 95%, non-condensing |
| | Fixture Run Lengths§ | 46 @ 100 VAC<br>55 @ 120 VAC<br>78 @ 220 VAC<br>78 @ 240 VAC<br>*Example configuration: 20 A circuit, 20 ft (6.1 m) leader cable from Data Enabler Pro to the first junction box, and 2 ft (610 mm) jumper cables between fixtures* |
| Certification and Safety | Certification | UL / cUL, FCC Class A, CE, PSE, C-Tick, CQC, 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 fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

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

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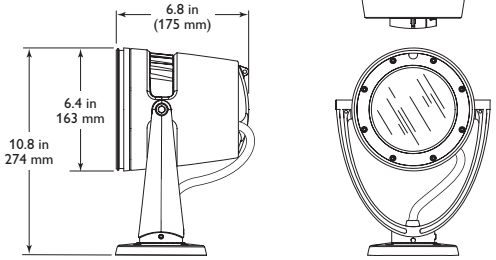
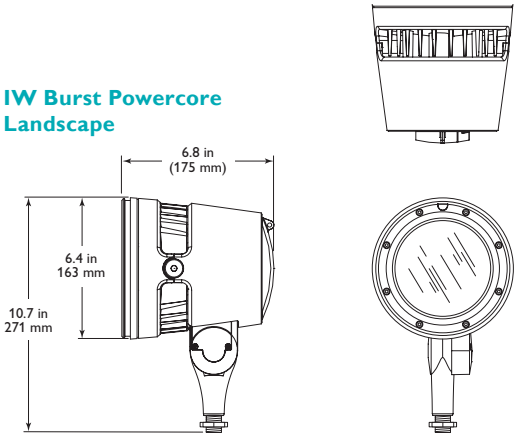
### iW Burst Powercore Architectural

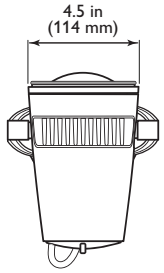


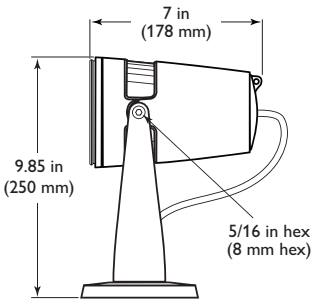

*To calculate the number of fixtures your specific installation can support, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/*

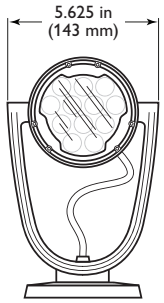
### IW Burst Powercore Landscape



## iW Burst Compact Powercore Architectural

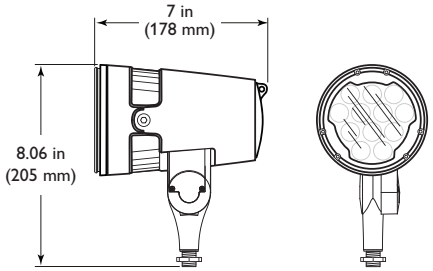



*To calculate the number of fixtures your specific installation can support, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/*

## iW Burst Compact 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<br>14° / 23° / 41° spread lenses<br>10° x 41° asymmetric spread lens |
| | Color Temperature* | 2700 K – 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 $L_{70}$ @ 25° C 35,000 hours $L_{70}$ @ 50° C<br>50,000 hours $L_{50}$ @ 25° C 50,000 hours $L_{50}$ @ 50° C |
| Electrical | Input Voltage | 100 – 240 VAC, auto-switching, 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)* | 9.85 x 4.5 x 7.0 in (250 x 114 x 178 mm) Architectural<br>8.06 x 4.5 x 7.0 in (205 x 114 x 178 mm) Landscape |
| | Weight | 8.7 lb (3.9 kg) Architectural 4.4 lb (2.0 kg) Landscape |
| | Housing | Die-cast aluminium, powder-coated finish |
| | Lens | Tempered glass |
| | Fixture Connections | 6 ft (1.8 m) unified power / data cable with flying leads Architectural<br>6 in (152 mm) flying leads Landscape |
| | Temperature Ranges | -40° – 122° F (-40° – 50° C) Operating<br>-4° – 122° F (-20° – 50° C) Startup<br>-40° – 176° F (-40° – 80° C) Storage |
| | Vibration Resistance | ANSI C136.31 (Architectural only) |
| | Humidity | 0 – 95%, non-condensing |
| | Fixture Run Lengths§ | 77 @ 100 VAC<br>78 @ 120 VAC<br>78 @ 220 VAC<br>78 @ 240 VAC<br>*Example configuration: 20 A circuit, 20 ft (6.1 m) leader cable from Data Enabler Pro to the first junction box, and 2 ft (610 mm) jumper cables between fixtures* |
| Certification and Safety | Certification | UL / cUL, FCC Class A, CE, PSE, C-Tick, CQC, 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 fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

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

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# Fixtures

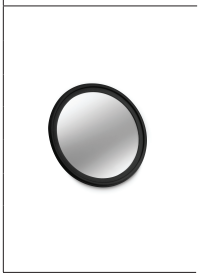
iW Burst Powercore fixtures are part of a complete system which includes fixtures and:

- One or more Data Enabler Pro devices
- Any Philips controller, including Light System Manager, iPlayer 3, and ColorDial Pro, or a third-party controller
- 4-conductor copper wire to connect IW Burst Powercore fixtures in series or in parallel. Standard 12 AWG (2.05 mm) 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 fixture, 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 fixtures in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector to ensure compliance.

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

### Installing in Damp or Wet Locations

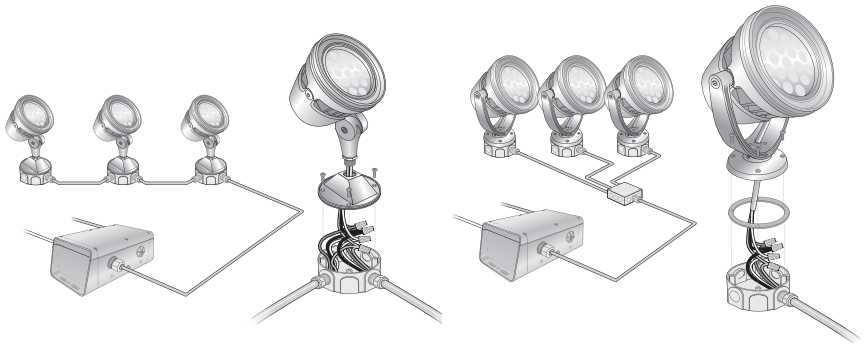
When installing in damp or wet locations, it is good practice to seal all fixtures and junction boxes with electronics-grade RTV silicone sealant to ensure that moisture cannot enter or accumulate in any wiring compartments, cables, or other electrical parts. You must use suitable outdoor-rated junction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

   iW Burst Powercore fixtures 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 fixtures feature a canopy base for mounting to standard US junction boxes. Fixtures can be mounted directly to a surface or substrate by removing the nylon cable clamp and disengaging the 6 ft (1.8 m) integrated power / data cable from the canopy base.
- iW Burst Powercore Landscape fixtures 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 fixtures each Data Enabler Pro can support depends on specific configuration details such as length of leader and jumper cables, wire gauge, fixture 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 fixtures each Data Enabler Pro can support at various voltages, assuming a 20 A circuit, a 20 ft (6.1 m) leader cable from Data Enabler Pro to the first junction box, and 2 ft (610 mm) jumper cables between fixtures. Keep in mind that these figures, provided as a guideline, are accurate for the specified configuration only. Changing the configuration can affect the fixture run lengths.

## Maximum fixture run lengths

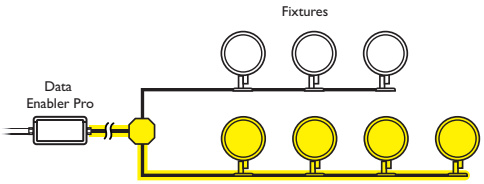
| iW Burst Powercore |
|---|
| 46 @ 100 VAC |
| 55 @ 120 VAC |
| 78 @ 220 VAC |
| 78 @ 240 VAC |

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

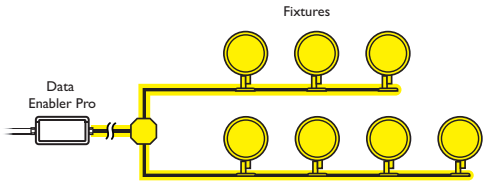
*assuming a 20 A circuit, 20 ft (6.1 m) leader cable from Data Enabler Pro to the first junction box, and 2 ft (610 mm) jumper cables between fixtures*

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

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




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




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

For installations in which you want to manually adjust the brightness and color temperature of all connected iW Burst Powercore fixtures in unison, use ColorDial Pro. For installations in which you want to dynamically control the brightness and color temperature of individual fixtures, use a controller such as iPlayer 3 or Light System Manager. Refer to "Controlling iW Burst Powercore Fixtures" 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 fixtures over a single fixture cable. Additional cabling is required to connect fixtures 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 4 in (102 mm) round US electrical junction box per fixture, rated for your application, with 3.5 in (89 mm) center-to-center screw holes for attaching the fixture's base. (Refer to the manufacturer's literature for additional items required for mounting or sealing.)
- A 6 mm hex wrench for fixture tilting and locking
- A 1/8 in hex wrench for fixture swiveling and locking

**iW Burst Powercore Landscape Installations**

- The provided locking nut
- One electrical junction box or mounting accessory per fixture, 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 fixture tilting and locking
- A 33 mm wrench for locking fixtures in place

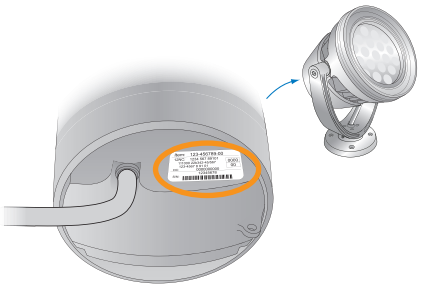
**All Installations**

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

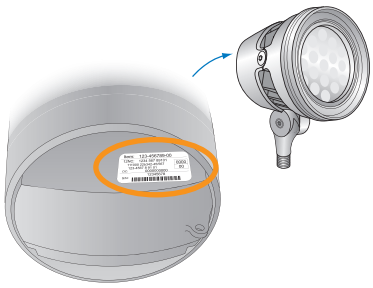
- Electronics-grade room temperature vulcanizing (RTV) silicone sealant as required
- A 5/32 in hex wrench for installing accessories, or a 3 mm hex wrench for installing iW Burst Compact Powercore accessories

# Unpack and Prepare Fixtures

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



Architectural



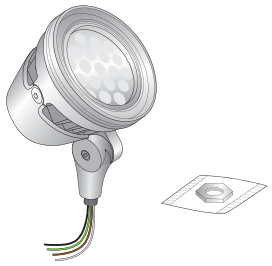
Landscape

2. Each iW Burst Powercore fixture comes pre-programmed with a unique serial number. If you plan to control fixtures independently, record the serial numbers in a layout grid (typically a spreadsheet or list) for easy reference and light addressing.
3. Assign each fixture 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 fixture's housing.

## Included in the box

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

| **iW Burst Powercore Landscape** |
|---|
| iW Burst Powercore Landscape fixture |
| Locking nut |
| Installation Instructions |



# Connect and Mount iW Burst Powercore Architectural Fixtures

iW Burst Powercore Architectural fixtures 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 fixtures.

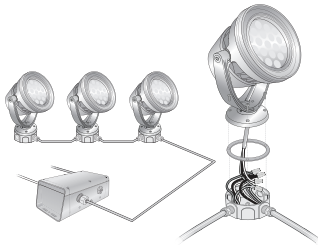
### Connecting iW Burst Powercore Architectural Fixtures to Junction Boxes

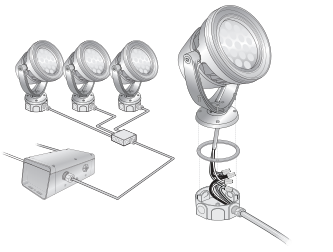
1. Mount junction boxes in accordance with the lighting design plan. Each fixture is designed for mounting in a 4 in (102 mm) round US electrical junction box, rated for your application, with 3.5 in (89 mm) center-to-center screw holes for attaching the fixture's base.

   Wiring between junction boxes must comply with local codes.

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

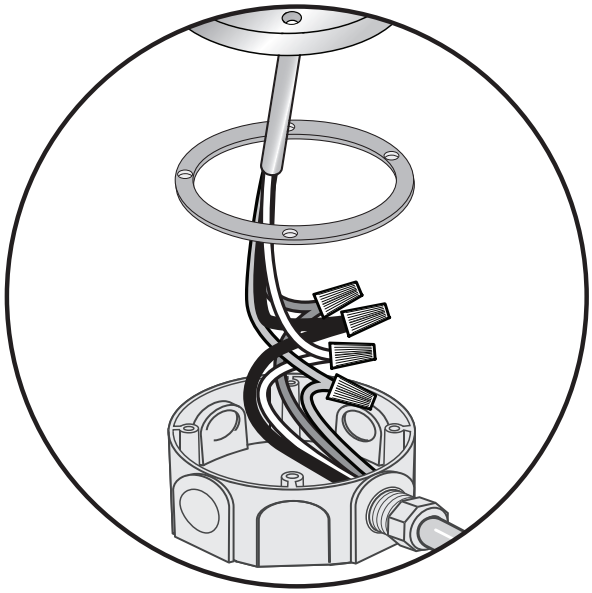
   If installing fixtures in parallel, pull copper wire from a Data Enabler Pro to a common junction box, and from the common junction box to each fixture's junction box.



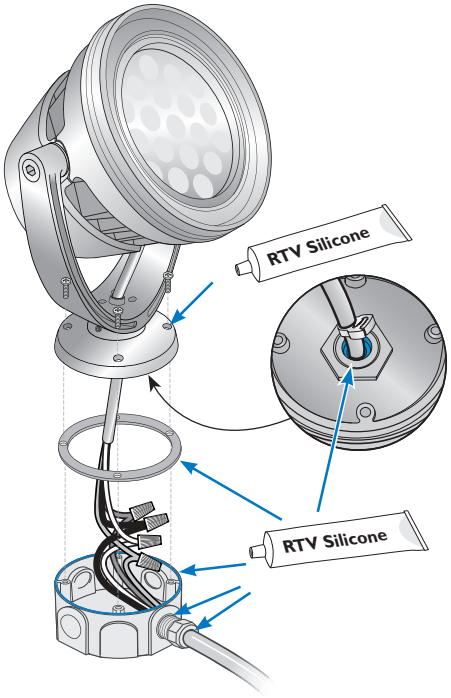


We recommend the use of 12 AWG (2.05 mm), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual iW Burst Powercore fixture is 175 feet (53 m). When installing in parallel, the total cable length cannot exceed 400 feet (122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

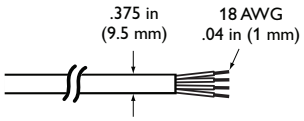
3. Trim the cable from the fixture to fit in the junction box, leaving enough cable to make wiring connections.
4. Use wire nuts to connect line, neutral, ground, and data. If installing in a damp or wet location, use the included junction box gasket.
5. Tuck wire connections into the junction box.

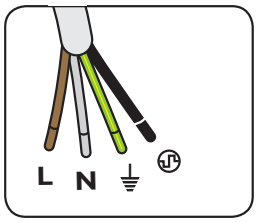


6. Screw the fixture's canopy base into the junction box using the four included 10-24 stainless steel screws. If installing in a damp or wet location, seal all junction boxes with elect-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor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




### Leader Cable connector dimensions

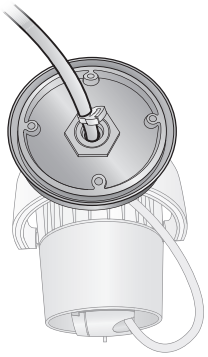


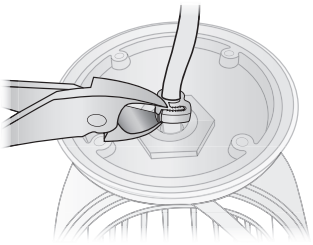



## Surface-Mounting iW Burst Powercore Architectural Fixtures

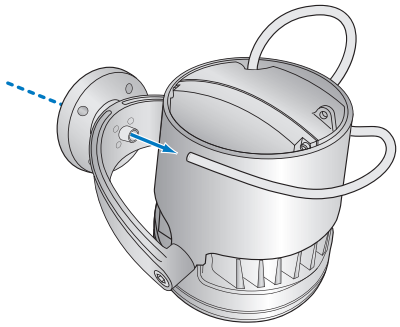
1. Prepare iW Burst Powercore Architectural fixtures for surface-mounting:

   - Remove the nylon cable clamp from the fixture's leader cable where it exits the underside of the canopy base.



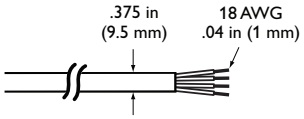


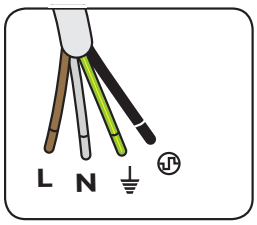
   - Disengage the leader cable from the fixture's canopy base.



2. Mount junction boxes in accordance with the lighting design plan.
3. Position each iW Burst Powercore Architectural fixture 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 fixture to the mounting location.

**Leader Cable connector dimensions**

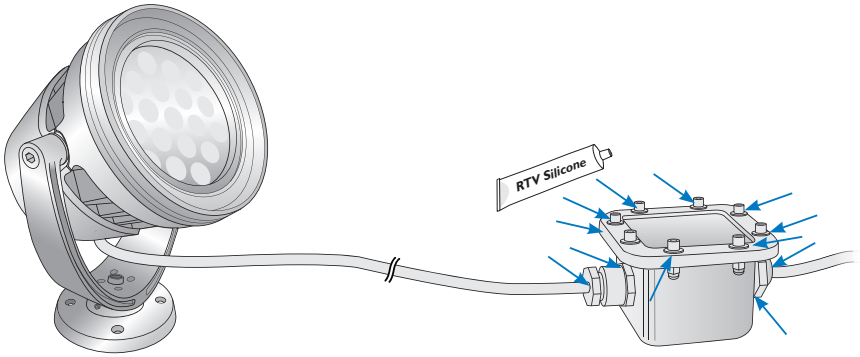



5. If installing fixtures in a series, pull copper wire between the junction boxes.

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

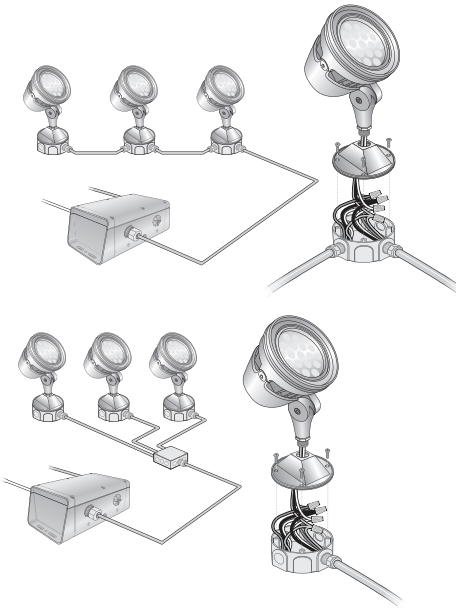
   We recommend the use of 12 AWG (2.05 mm), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual iW Burst Powercore fixture is 175 feet (53 m). When installing in parallel, the total cable length cannot exceed 400 feet (122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

iW Burst Powercore Landscape fixtures 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 fixtures.

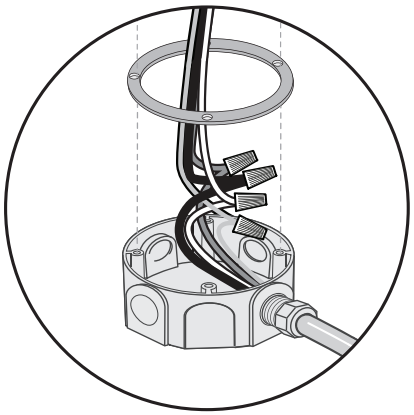


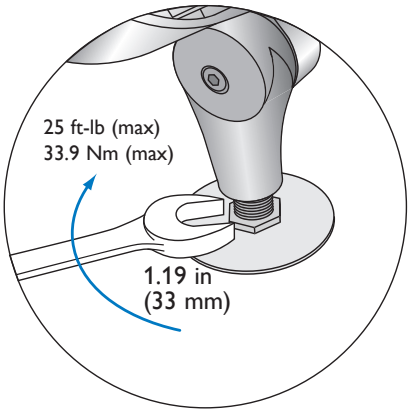
1. Mount junction boxes and any landscape mounting accessories in accordance with the lighting design plan.
2. If installing fixtures in a series, pull copper wire between the junction boxes, and from the junction boxes to the fixtures as needed.

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

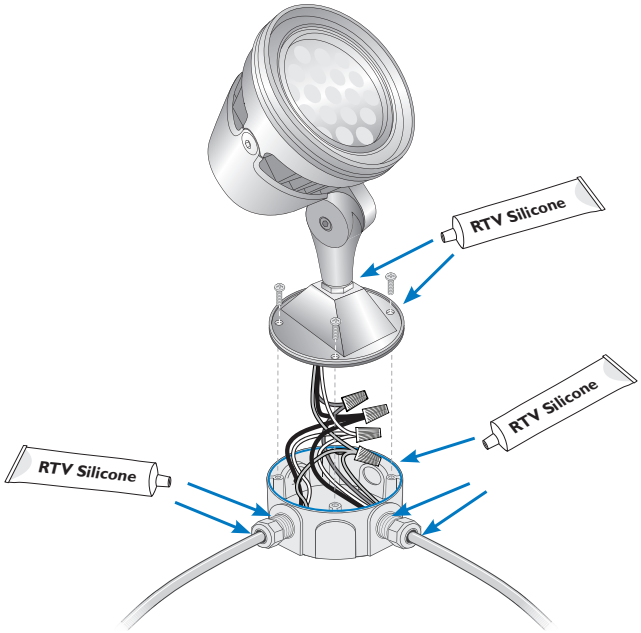
   We recommend the use of 12 AWG (2.05 mm), stranded 4-conductor copper wire. With the recommended wiring, the maximum cable run from a Data Enabler Pro device to any individual iW Burst Powercore fixture is 175 feet (53 m). When installing in parallel, the total cable length cannot exceed 400 feet (122 m).
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 25 ft-lb (33.9 Nm). Do not overtighten.





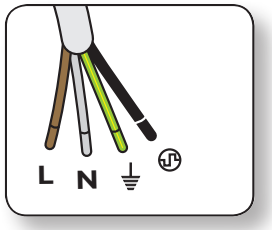

7. If installing in a damp or wet location, seal all junction boxes and mounting accessories with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.

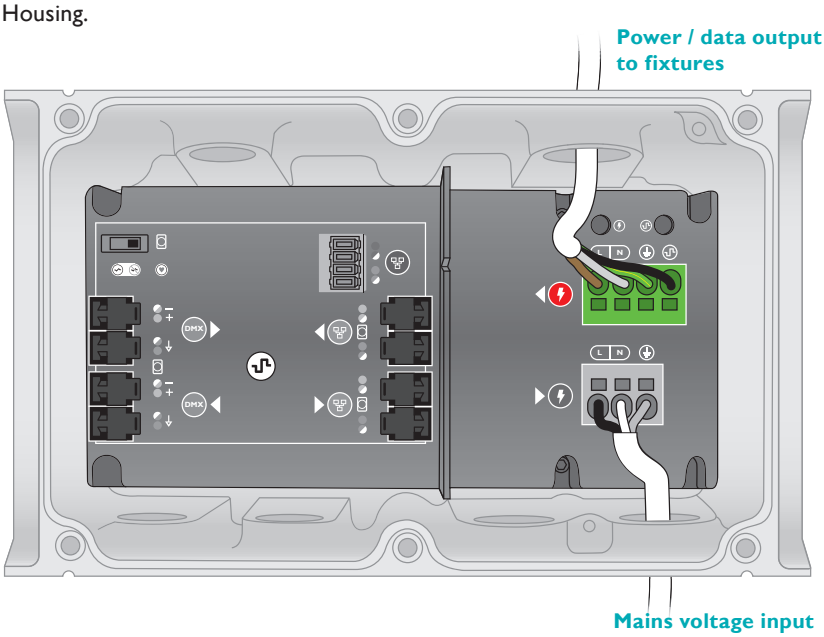


# Connect Fixture Cable to Power

Once you've made all fixture and junction box connections, connect the lead cable to the fixture 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.philipscolorkinetics.com/ls/pds/dataenablerpro*



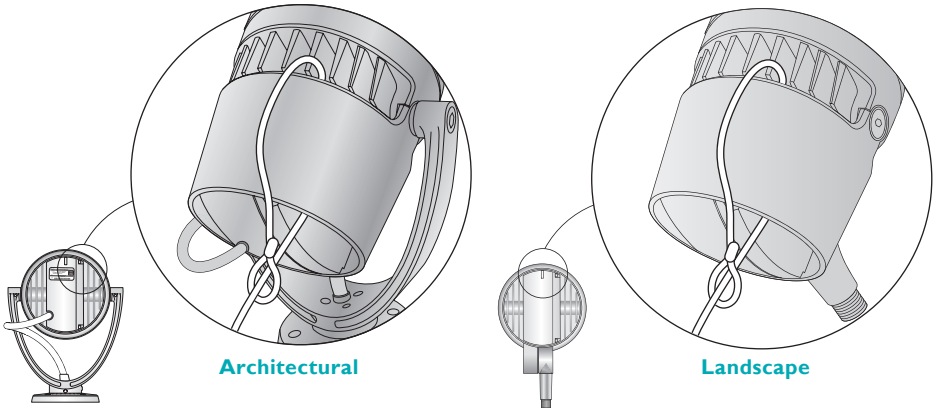

# Attach Safety Cable (Optional)

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

**Safety cable minimum requirements**

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

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

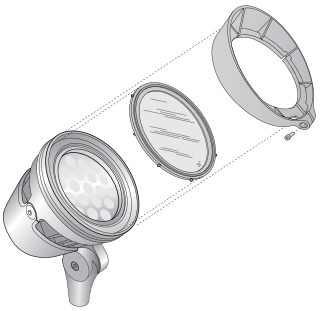



2. Attach the safety cable to the mounting surface using a method that follows the code or engineer's requirements.

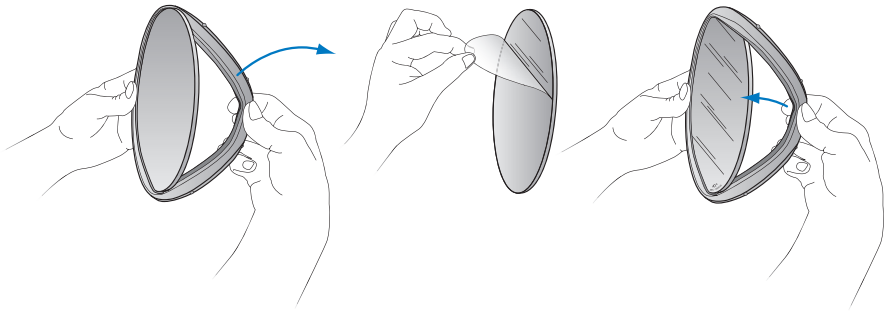
# Attach Accessories (Optional)

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.

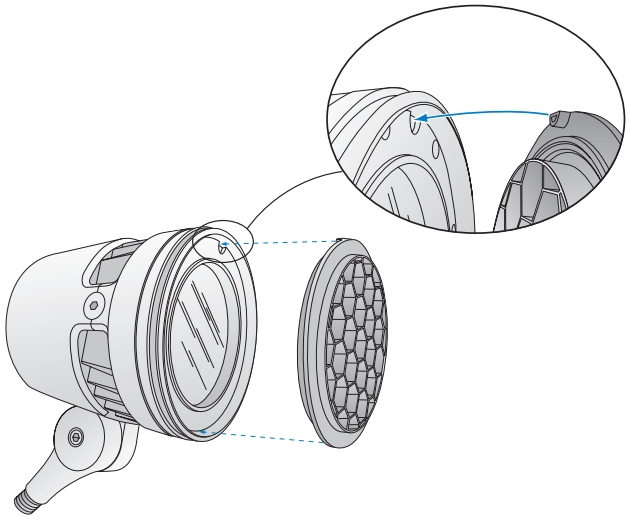
You attach Honeycomb Louvers and Spread Lenses with the Trim Ring, 45° Glare Shield, or Full Height Glare Shield, available separately. You can attach either one Honeycomb Louver or one Spread Lens at a time.

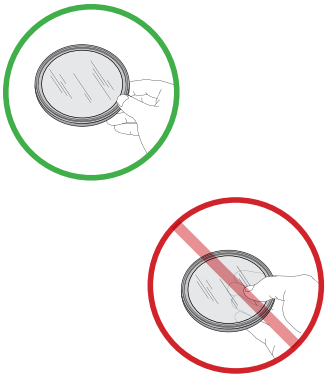


1. Unpack and confirm the contents of the box. Each accessory is shipped one per box. Spread Lenses include an attached rubber gasket. The Trim Ring, 45° Glare Shield, and Full Height Glare Shield include an attached locking screw.
2. Clean the face of the iW Burst Powercore housing, including glass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



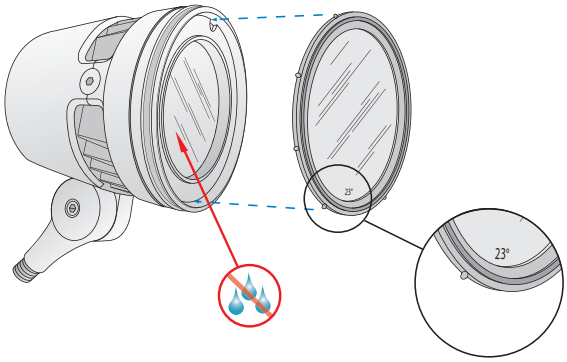
4. Position the honeycomb louver or spread lens:
   - If using the honeycomb louver, insert the tab on the honeycomb louver into the notch on the face of the iW Burst Powercore fixture housing.



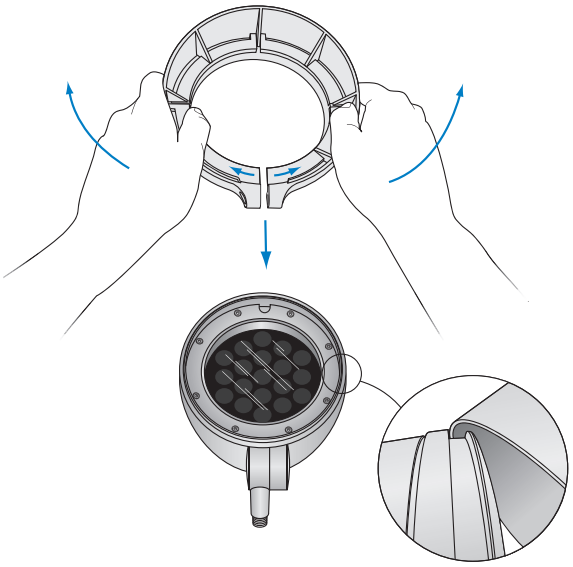


*Rotating the asymmetric 10° x 41° spread lens changes its effect on the fixture's light output. You may want to rough-in the spread lens position, fine-tune it when aiming and locking the fixture, then lock down the trim ring or glare shield once the lens is positioned to give the desired results.*

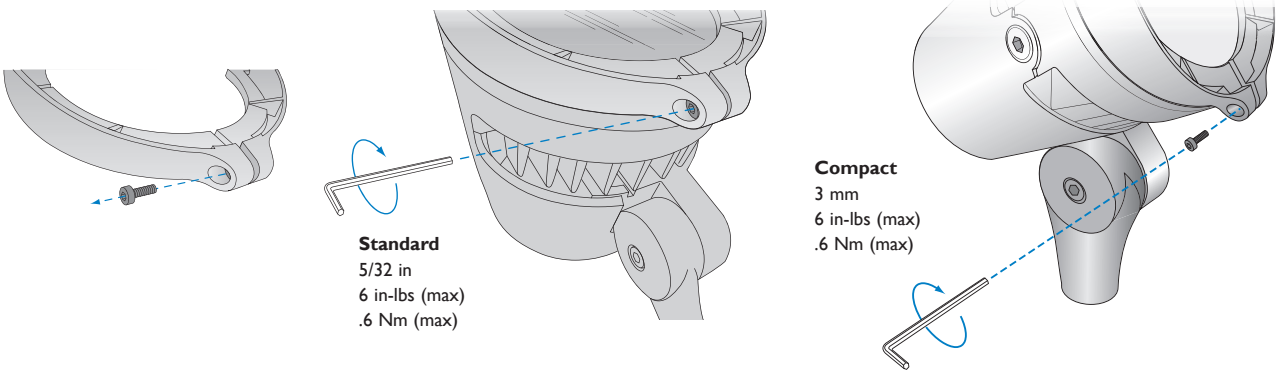
- If using a spread lens, make sure that the beam-angle designation on the edge of the lens is face up. Handle the spread lens by the gasket, making sure not to touch or soil either surface of the spread lens. Rest the lens against the face of the iW Burst Powercore housing. Make sure that there is no 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 fixture 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 6 in-lbs (.6 Nm). For IW Burst Compact Powercore, use a 3 mm hex wrench.



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

**Compact**
3 mm
6 in-lbs (max)
.6 Nm (max)

# Controlling iW Burst Powercore Fixtures

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

### Displaying Fixed Light Output

For installations in which you want to manually adjust the brightness and color temperature of all fixtures in unison, use ColorDial Pro in iW Mode. With ColorDial Pro, no fixture 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 fixtures.

### Displaying Dynamic Light Output

For dynamic installations in which you want to display different light output on iW Burst Powercore fixtures 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 fixtures, you must address and configure iW Burst Powercore fixtures as you would any color-changing (RGB) fixture.

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

## LED Channels

| RGB | iW Burst Powercore |
|---|---|
| Red | Warm |
| Green | Cool |
| Blue | Unused |

# Addressing iW Burst Powercore Fixtures

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

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

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

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

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

You can address and configure iW Burst Powercore fixtures in much the same way as you would address any RGB fixture. 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 fixture uses three DMX sequential addresses (or a multiple of three addresses).

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

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

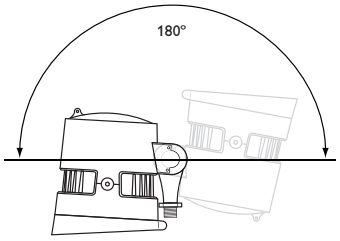
iW Burst Powercore fixtures come factory-addressed with a starting DMX address of 1. For lighting designs where fixtures work in unison, all fixtures can be assigned the same starting DMX address. Changes to the default starting DMX addresses are not necessary, but if lights were previously readdressed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

The following table shows the DMX channel assignments for 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 fixture when aiming and locking.*



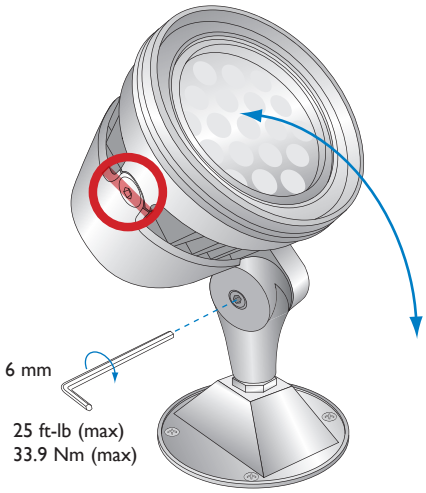

# Aim and Lock Fixtures

Make sure power is ON before aiming fixtures.

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

### Aiming and Locking iW Burst Powercore Landscape Fixtures

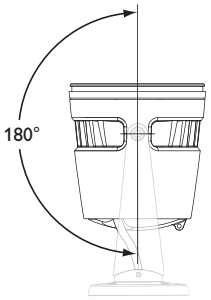
1. Using a 6 mm hex wrench, loosen the locking nut on the side of the fixture base.
2. Aim the fixture by tilting the beam as desired.
3. When the fixture is aimed as desired, re-tighten the locking nut to secure the fixture in place. Torque to 25 ft-lbs (33.9 Nm). Do not over-tighten.

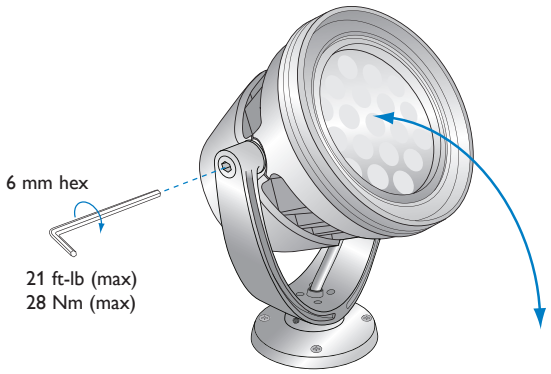


## Aiming and Locking iW Burst Powercore Architectural Fixtures

1. To tilt the beam:

   - Loosen the locking nuts on either side of the fixture yoke using a 6 mm hex wrench.
   - Tilt the beam as desired.

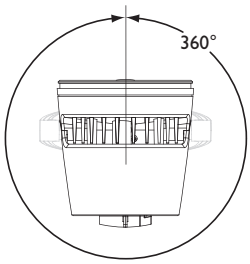


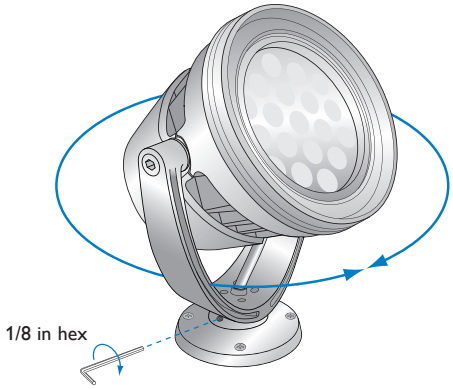




   - Re-tighten the locking nuts to secure the fixture in place. Torque to 21 ft-lbs (28 Nm). Do not over-tighten.

2. To rotate the fixture:

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




   - Re-tighten the locking nuts to secure the fixture in place.

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