# eW Burst Powercore

Architectural and landscape LED spotlight with solid white light

PHILIPS

COLOR KINETICS

# eW Burst Powercore

## Architectural and landscape LED spotlight with solid white light

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

- Integrates patented Powercore technology — Powercore rapidly, efficiently, and accurately controls power output to 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.
- 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 can also rotate through a full 360° for precise aiming. Locking screws accept standard hex wrenches to secure fixtures firmly in position.
- Universal power input range — Accepts a power input range of 100 – 277 VAC.
- Dimming capability — Patented DIMand technology offers smooth dimming capability with selected commercially available reverse-phase ELV-type dimmers.
- Outdoor rated — With a rugged, die-cast aluminum housing fully sealed for maximum fixture life and IP66-rated for outdoor applications, eW Burst Powercore and eW Burst Compact Powercore is ideal for use in damp or wet locations.

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

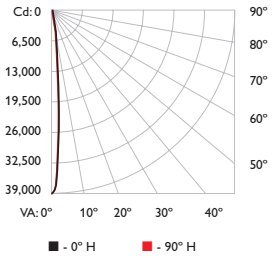
# Photometrics

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

## eW Burst Powercore 2700 K, 8° primary optic

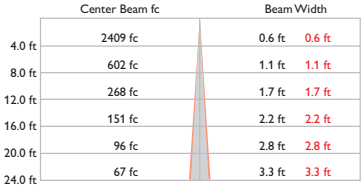
| | |
|---|---|
| Lumens | 1168 |
| Efficacy | 39.9 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 38550 | 38550 | 38550 | 38550 | 38550 |
| 5 | 11568 | 11678 | 11862 | 12125 | 12495 |
| 15 | 263 | 259 | 263 | 275 | 282 |
| 25 | 135 | 132 | 134 | 136 | 135 |
| 35 | 61 | 58 | 59 | 61 | 60 |
| 45 | 29 | 35 | 35 | 35 | 41 |
| 55 | 9 | 9 | 8 | 7 | 6 |
| 65 | 1 | 1 | 2 | 0 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




196 ft (59.7 m)
1 fc maximum distance

Vert. Spread: 7.9°
Horiz. Spread: 8.0°

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

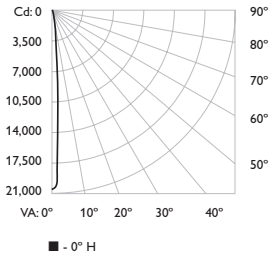
Effective Floor Cavity Reflectance: 20%

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

## eW Burst Compact Powercore 2700 K, 8° primary optic

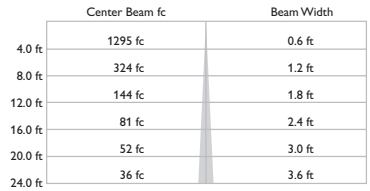
| | |
|---|---|
| Lumens | 624 |
| Efficacy | 41.9 lm / W |

### Polar Candela Distribution




| | |
|---|---|
| 0 | 20727 |
| 5 | 6583 |
| 15 | 146 |
| 25 | 72 |
| 35 | 31 |
| 45 | 21 |
| 55 | 7 |
| 65 | 3 |
| 75 | 1 |
| 85 | 0 |
| 90 | 0 |

### Illuminance at Distance




144 ft (43.9 m)
1 fc maximum distance

Beam Spread: 8.0°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

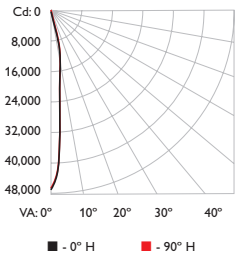
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106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

For lux multiply fc by 10.7

## eW Burst Powercore
## 4000 K, 8° primary optic

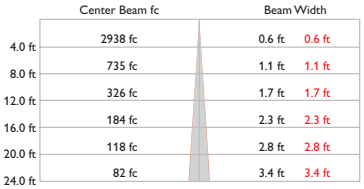
| | |
|---|---|
| Lumens | 1475 |
| Efficacy | 49.3 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 47008 | 47008 | 47008 | 47008 | 47008 |
| 5 | 14452 | 14439 | 14557 | 15122 | 15733 |
| 15 | 339 | 324 | 321 | 337 | 354 |
| 25 | 164 | 157 | 161 | 162 | 165 |
| 35 | 83 | 83 | 89 | 85 | 85 |
| 45 | 40 | 40 | 39 | 41 | 43 |
| 55 | 17 | 14 | 15 | 12 | 14 |
| 65 | 7 | 7 | 7 | 3 | 5 |
| 75 | 3 | 3 | 2 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




217 ft (66.1 m)
1 fc maximum distance

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

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

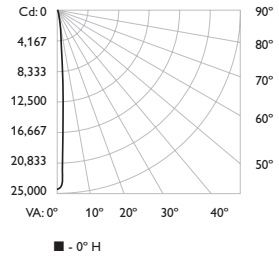
Effective Floor Cavity Reflectance: 20%

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

## eW Burst Compact Powercore
## 4000 K, 8° primary optic

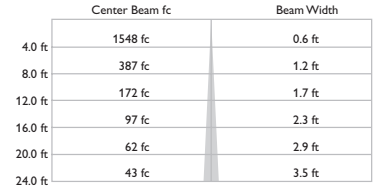
| | |
|---|---|
| Lumens | 812 |
| Efficacy | 53.8 lm / W |

### Polar Candela Distribution




| | |
|---|---|
| 0 | 24760 |
| 5 | 8489 |
| 15 | 188 |
| 25 | 93 |
| 35 | 43 |
| 45 | 28 |
| 55 | 10 |
| 65 | 6 |
| 75 | 3 |
| 85 | 0 |
| 90 | 0 |

### Illuminance at Distance




157 ft (47.9 m)
1 fc maximum distance

Beam Spread: 8.0°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

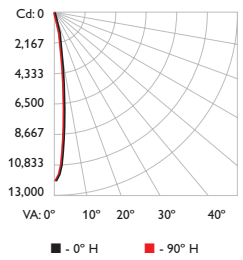
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106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

For lux multiply fc by 10.7

## eW Burst Powercore 2700 K, 14° spread lens

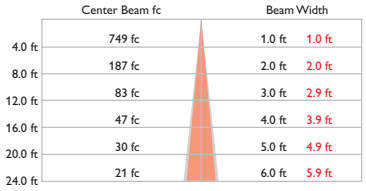
| | |
|---|---|
| Lumens | 1022 |
| Efficacy | 34.9 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 11990 | 11990 | 11990 | 11990 | 11990 |
| 5 | 8315 | 8292 | 8291 | 8309 | 8376 |
| 15 | 750 | 728 | 700 | 686 | 699 |
| 25 | 139 | 137 | 137 | 138 | 138 |
| 35 | 65 | 64 | 64 | 65 | 65 |
| 45 | 28 | 29 | 29 | 29 | 30 |
| 55 | 10 | 11 | 11 | 11 | 9 |
| 65 | 3 | 2 | 2 | 1 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




109.5 ft (33.4 m)
1 fc maximum distance

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

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

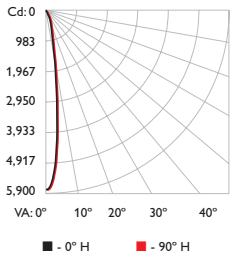
Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.16 | 1.14 | 1.12 | 1.10 | 1.13 | 1.12 | 1.10 | .98 | 1.08 | 1.06 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | 1.01 | 1.00 | .99 | .98 | .98 | .98 |
| 2 | 1.12 | 1.09 | 1.06 | 1.04 | 1.10 | 1.08 | 1.05 | .96 | 1.04 | 1.03 | 1.01 | 1.02 | 1.00 | .99 | .99 | .98 | .97 | .96 | .95 | .95 | .95 |
| 3 | 1.09 | 1.05 | 1.02 | 1.00 | 1.08 | 1.04 | 1.01 | .94 | 1.02 | .99 | .97 | .99 | .98 | .96 | .97 | .96 | .95 | .93 | .93 | .92 | .93 |
| 4 | 1.07 | 1.02 | .99 | .96 | 1.05 | 1.01 | .98 | .92 | .99 | .97 | .94 | .97 | .95 | .93 | .96 | .94 | .92 | .91 | .91 | .90 | .91 |
| 5 | 1.04 | .99 | .96 | .93 | 1.03 | .98 | .95 | .90 | .97 | .94 | .92 | .95 | .93 | .91 | .94 | .92 | .91 | .90 | .89 | .88 | .90 |
| 6 | 1.02 | .97 | .93 | .91 | 1.01 | .96 | .93 | .89 | .95 | .92 | .90 | .94 | .91 | .89 | .93 | .90 | .89 | .88 | .88 | .87 | .88 |
| 7 | 1.00 | .95 | .91 | .89 | .99 | .94 | .91 | .87 | .93 | .90 | .88 | .92 | .89 | .88 | .91 | .89 | .87 | .86 | .86 | .85 | .86 |
| 8 | .98 | .93 | .89 | .87 | .97 | .92 | .89 | .86 | .91 | .88 | .86 | .91 | .88 | .86 | .90 | .87 | .86 | .85 | .85 | .84 | .85 |
| 9 | .96 | .91 | .88 | .85 | .96 | .90 | .87 | .84 | .90 | .87 | .85 | .89 | .87 | .85 | .88 | .86 | .84 | .84 | .84 | .83 | .84 |
| 10 | .95 | .89 | .86 | .84 | .94 | .89 | .86 | .83 | .88 | .86 | .84 | .88 | .85 | .83 | .87 | .85 | .83 | .82 | .83 | .82 | .82 |

## eW Burst Compact Powercore 2700 K, 14° spread lens

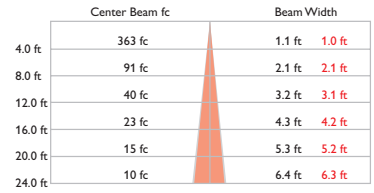
| | |
|---|---|
| Lumens | 543 |
| Efficacy | 36.4 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 5815 | 5815 | 5815 | 5815 | 5815 |
| 5 | 4287 | 4280 | 4282 | 4328 | 4345 |
| 15 | 440 | 436 | 424 | 456 | 477 |
| 25 | 72 | 73 | 71 | 71 | 71 |
| 35 | 34 | 31 | 33 | 32 | 30 |
| 45 | 12 | 13 | 14 | 16 | 13 |
| 55 | 3 | 3 | 5 | 6 | 7 |
| 65 | 0 | 0 | 0 | 0 | 1 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




76.3 ft (23.3 m)
1 fc maximum distance

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

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

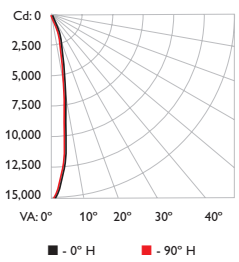
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106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

For lux multiply fc by 10.7

## eW Burst Powercore 4000 K, 14° spread lens

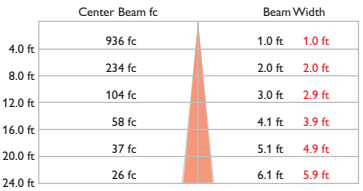
| | |
|---|---|
| Lumens | 1280 |
| Efficacy | 42.7 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 14974 | 14974 | 14974 | 14974 | 14974 |
| 5 | 10230 | 10201 | 10192 | 10327 | 10474 |
| 15 | 913 | 888 | 850 | 843 | 873 |
| 25 | 174 | 169 | 168 | 169 | 169 |
| 35 | 84 | 81 | 83 | 84 | 83 |
| 45 | 33 | 33 | 34 | 34 | 34 |
| 55 | 12 | 12 | 12 | 12 | 10 |
| 65 | 3 | 2 | 2 | 1 | 0 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




122.5 ft (37.3 m)
1 fc maximum distance

Vert. Spread: 14.5°
Horiz. Spread: 14°

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

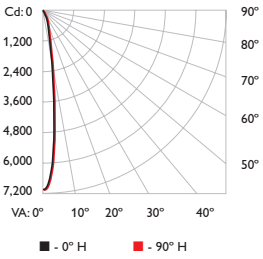
Effective Floor Cavity Reflectance: 20%

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

## eW Burst Compact Powercore 4000 K, 14° spread lens

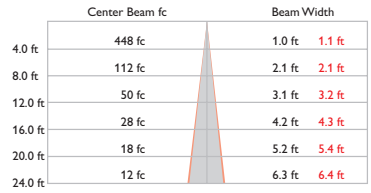
| | |
|---|---|
| Lumens | 685 |
| Efficacy | 45.7 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 7165 | 7165 | 7165 | 7165 | 7165 |
| 5 | 5450 | 5445 | 5350 | 5193 | 5162 |
| 15 | 536 | 571 | 611 | 551 | 508 |
| 25 | 94 | 93 | 95 | 92 | 89 |
| 35 | 43 | 43 | 43 | 41 | 43 |
| 45 | 17 | 18 | 21 | 21 | 22 |
| 55 | 5 | 7 | 8 | 9 | 10 |
| 65 | 2 | 2 | 2 | 3 | 4 |
| 75 | 0 | 0 | 0 | 1 | 1 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




84.7 ft (25.8 m)
1 fc maximum distance

Vert. Spread: 14.9°
Horiz. Spread: 15.3°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

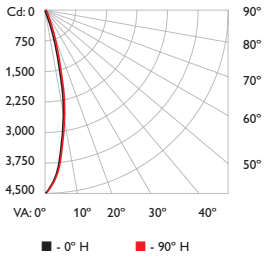
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 107 | 107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

For lux multiply fc by 10.7

## eW Burst Powercore 2700 K, 23° spread lens

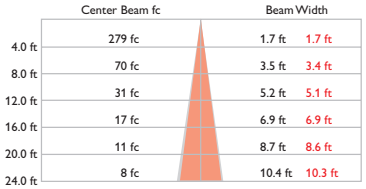
| | |
|---|---|
| Lumens | 1004 |
| Efficacy | 34.3 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 4462 | 4462 | 4462 | 4462 | 4462 |
| 5 | 3871 | 3876 | 3897 | 3933 | 3972 |
| 15 | 1482 | 1485 | 1495 | 1507 | 1535 |
| 25 | 286 | 287 | 287 | 283 | 283 |
| 35 | 75 | 74 | 75 | 75 | 74 |
| 45 | 34 | 33 | 34 | 34 | 34 |
| 55 | 15 | 15 | 15 | 15 | 14 |
| 65 | 6 | 6 | 5 | 4 | 3 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




66.7 ft (20.3 m)
1 fc maximum distance

■ Vert. Spread: 24.5°
■ Horiz. Spread: 24.2°

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

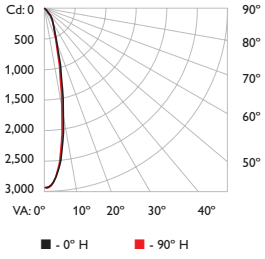
Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.15 | 1.13 | 1.11 | 1.09 | 1.12 | 1.11 | 1.09 | .97 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .99 | .99 | .98 | .96 |
| 2 | 1.11 | 1.07 | 1.04 | 1.01 | 1.09 | 1.05 | 1.03 | .93 | 1.02 | 1.00 | .98 | .99 | .98 | .96 | .97 | .95 | .94 | .93 |
| 3 | 1.07 | 1.02 | .98 | .95 | 1.05 | 1.01 | .97 | .90 | .98 | .95 | .93 | .96 | .94 | .92 | .94 | .92 | .90 | .89 |
| 4 | 1.03 | .98 | .94 | .91 | 1.02 | .97 | .93 | .87 | .95 | .92 | .89 | .93 | .90 | .88 | .91 | .89 | .87 | .86 |
| 5 | 1.00 | .94 | .90 | .86 | .99 | .93 | .89 | .84 | .92 | .88 | .85 | .90 | .87 | .85 | .89 | .86 | .84 | .83 |
| 6 | .97 | .91 | .86 | .83 | .96 | .90 | .86 | .81 | .88 | .85 | .82 | .87 | .84 | .82 | .86 | .83 | .81 | .80 |
| 7 | .94 | .87 | .83 | .80 | .93 | .87 | .83 | .78 | .86 | .82 | .79 | .85 | .81 | .79 | .84 | .81 | .79 | .78 |
| 8 | .91 | .85 | .80 | .77 | .90 | .84 | .80 | .76 | .83 | .79 | .77 | .82 | .79 | .77 | .81 | .78 | .76 | .75 |
| 9 | .89 | .82 | .78 | .75 | .88 | .82 | .77 | .74 | .81 | .77 | .74 | .80 | .77 | .74 | .79 | .76 | .74 | .73 |
| 10 | .87 | .80 | .75 | .73 | .86 | .79 | .75 | .72 | .78 | .75 | .72 | .78 | .75 | .72 | .77 | .74 | .72 | .71 |

## eW Burst Compact Powercore 2700 K, 23° spread lens

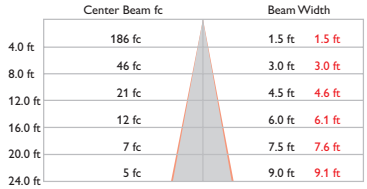
| | |
|---|---|
| Lumens | 540 |
| Efficacy | 36.2 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 7165 | 7165 | 7165 | 7165 | 7165 |
| 5 | 5450 | 5445 | 5350 | 5193 | 5162 |
| 15 | 536 | 571 | 611 | 551 | 508 |
| 25 | 94 | 93 | 95 | 92 | 89 |
| 35 | 43 | 43 | 43 | 41 | 43 |
| 45 | 17 | 18 | 21 | 21 | 22 |
| 55 | 5 | 7 | 8 | 9 | 10 |
| 65 | 2 | 2 | 2 | 3 | 4 |
| 75 | 0 | 0 | 0 | 1 | 1 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




54.5 ft (16.6 m)
1 fc maximum distance

■ Vert. Spread: 21.3°
■ Horiz. Spread: 21.6°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

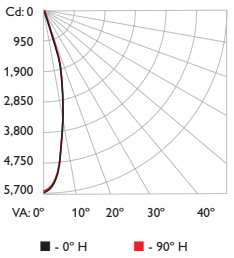
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106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

For lux multiply fc by 10.7

## eW Burst Powercore 4000 K, 23° spread lens

| | |
|---|---|
| Lumens | 1259 |
| Efficacy | 41.9 lm / W |

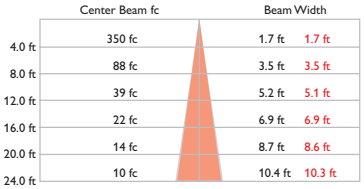
### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 90° | | | | | |
| 0 | 5602 | 5602 | 5602 | 5602 | 5602 |
| 5 | 4902 | 4879 | 4906 | 4946 | 4985 |
| 15 | 1892 | 1888 | 1890 | 1908 | 1933 |
| 25 | 371 | 367 | 364 | 358 | 354 |
| 35 | 96 | 94 | 94 | 93 | 92 |
| 45 | 42 | 42 | 42 | 42 | 41 |
| 55 | 18 | 19 | 18 | 17 | 15 |
| 65 | 6 | 6 | 5 | 4 | 2 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

80° 70° 60° 50°

### Illuminance at Distance




74.7 ft (22.8 m)
1 fc maximum distance

Vert. Spread: 24.5°
Horiz. Spread: 24.2°

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

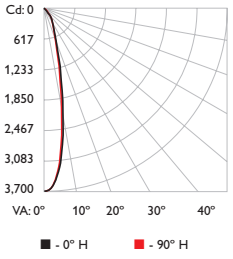
Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.15 | 1.13 | 1.11 | 1.09 | 1.12 | 1.11 | 1.09 | .97 | 1.07 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .99 | .99 | .98 | .96 |
| 2 | 1.11 | 1.07 | 1.04 | 1.01 | 1.09 | 1.05 | 1.03 | .93 | 1.02 | 1.00 | .98 | .99 | .98 | .96 | .97 | .95 | .94 | .93 |
| 3 | 1.07 | 1.02 | .98 | .95 | 1.05 | 1.01 | .97 | .90 | .98 | .96 | .93 | .96 | .94 | .92 | .94 | .92 | .90 | .89 |
| 4 | 1.04 | .98 | .94 | .91 | 1.02 | .97 | .93 | .87 | .95 | .92 | .89 | .93 | .90 | .88 | .91 | .89 | .87 | .86 |
| 5 | 1.00 | .94 | .90 | .87 | .99 | .93 | .89 | .84 | .92 | .88 | .86 | .90 | .87 | .85 | .89 | .86 | .84 | .83 |
| 6 | .97 | .91 | .86 | .83 | .96 | .90 | .86 | .81 | .89 | .85 | .82 | .87 | .84 | .82 | .86 | .83 | .81 | .80 |
| 7 | .94 | .88 | .83 | .80 | .93 | .87 | .83 | .79 | .86 | .82 | .80 | .85 | .82 | .79 | .84 | .81 | .79 | .78 |
| 8 | .92 | .85 | .80 | .77 | .91 | .84 | .80 | .76 | .83 | .80 | .77 | .82 | .79 | .77 | .82 | .79 | .76 | .75 |
| 9 | .89 | .82 | .78 | .75 | .88 | .82 | .78 | .74 | .81 | .77 | .75 | .80 | .77 | .74 | .79 | .76 | .74 | .73 |
| 10 | .87 | .80 | .76 | .73 | .86 | .79 | .75 | .72 | .79 | .75 | .72 | .78 | .75 | .72 | .77 | .74 | .72 | .71 |

## eW Burst Compact Powercore 4000 K, 23° spread lens

| | |
|---|---|
| Lumens | 674 |
| Efficacy | 44.6 lm / W |

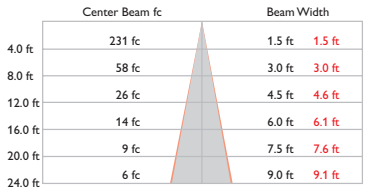
### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 90° | | | | | |
| 0 | 3689 | 3689 | 3689 | 3689 | 3689 |
| 5 | 3161 | 3185 | 3190 | 3183 | 3185 |
| 15 | 984 | 986 | 968 | 924 | 902 |
| 25 | 163 | 159 | 152 | 138 | 130 |
| 35 | 47 | 47 | 48 | 45 | 45 |
| 45 | 19 | 21 | 22 | 22 | 24 |
| 55 | 7 | 9 | 10 | 12 | 12 |
| 65 | 2 | 3 | 4 | 5 | 6 |
| 75 | 0 | 1 | 1 | 2 | 2 |
| 85 | 0 | 0 | 0 | 1 | 1 |
| 90 | 0 | 0 | 0 | 0 | 1 |

80° 70° 60° 50°

### Illuminance at Distance




60.7 ft (18.5 m)
1 fc maximum distance

Vert. Spread: 21.3°
Horiz. Spread: 21.5°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

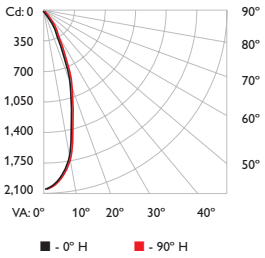
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106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

For lux multiply fc by 10.7

## eW Burst Powercore 2700 K, 41° spread lens

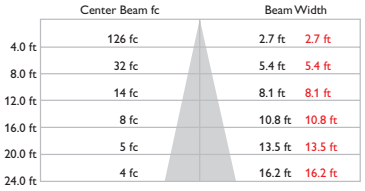
| | |
|---|---|
| Lumens | 991 |
| Efficacy | 33.8 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 2016 | 2016 | 2016 | 2016 | 2016 |
| 5 | 1904 | 1906 | 1909 | 1912 | 1919 |
| 15 | 1252 | 1256 | 1262 | 1274 | 1286 |
| 25 | 555 | 557 | 563 | 571 | 582 |
| 35 | 178 | 180 | 185 | 188 | 191 |
| 45 | 56 | 58 | 61 | 61 | 59 |
| 55 | 15 | 15 | 15 | 15 | 14 |
| 65 | 12 | 12 | 11 | 9 | 7 |
| 75 | 3 | 2 | 2 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




45 ft (13.7 m)
1 fc maximum distance

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

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

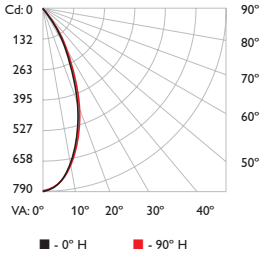
Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.14 | 1.11 | 1.09 | 1.07 | 1.12 | 1.09 | 1.07 | .95 | 1.05 | 1.04 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .94 |
| 2 | 1.09 | 1.04 | 1.01 | .97 | 1.07 | 1.03 | .99 | .89 | .99 | .97 | .94 | .97 | .94 | .92 | .94 | .92 | .90 | .89 |
| 3 | 1.04 | .98 | .94 | .90 | 1.02 | .97 | .93 | .84 | .94 | .91 | .88 | .92 | .89 | .86 | .90 | .87 | .85 | .84 |
| 4 | .99 | .92 | .87 | .84 | .98 | .91 | .87 | .80 | .89 | .85 | .82 | .87 | .84 | .81 | .85 | .83 | .80 | .79 |
| 5 | .95 | .87 | .82 | .78 | .93 | .87 | .82 | .76 | .85 | .80 | .77 | .83 | .79 | .77 | .82 | .78 | .76 | .74 |
| 6 | .91 | .83 | .77 | .74 | .90 | .82 | .77 | .72 | .81 | .76 | .73 | .79 | .75 | .72 | .78 | .75 | .72 | .71 |
| 7 | .87 | .79 | .73 | .70 | .86 | .78 | .73 | .68 | .77 | .72 | .69 | .76 | .72 | .69 | .75 | .71 | .68 | .67 |
| 8 | .84 | .75 | .70 | .66 | .82 | .74 | .69 | .65 | .73 | .69 | .65 | .72 | .68 | .65 | .72 | .68 | .65 | .64 |
| 9 | .80 | .72 | .66 | .63 | .79 | .71 | .66 | .62 | .70 | .66 | .62 | .69 | .65 | .62 | .69 | .65 | .62 | .61 |
| 10 | .77 | .68 | .63 | .60 | .76 | .68 | .63 | .59 | .67 | .63 | .60 | .67 | .62 | .59 | .66 | .62 | .59 | .58 |

## eW Burst Compact Powercore 2700 K, 41° spread lens

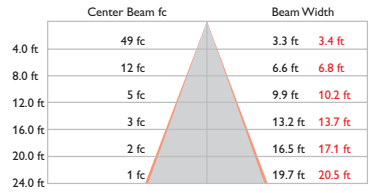
| | |
|---|---|
| Lumens | 520 |
| Efficacy | 34.8 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 781 | 781 | 781 | 781 | 781 |
| 5 | 752 | 754 | 757 | 749 | 750 |
| 15 | 578 | 581 | 588 | 574 | 565 |
| 25 | 321 | 333 | 344 | 340 | 330 |
| 35 | 109 | 121 | 139 | 146 | 143 |
| 45 | 28 | 31 | 40 | 47 | 46 |
| 55 | 9 | 11 | 14 | 17 | 18 |
| 65 | 3 | 4 | 6 | 8 | 9 |
| 75 | 0 | 0 | 1 | 3 | 3 |
| 85 | 0 | 0 | 0 | 1 | 1 |
| 90 | 0 | 0 | 0 | 0 | 1 |

### Illuminance at Distance




28 ft (8.5 m)
1 fc maximum distance

Vert. Spread: 44.7°
Horiz. Spread: 46.3°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

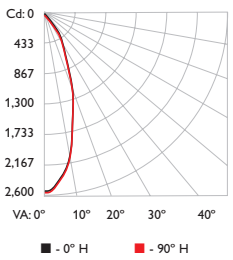
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 107 | 107 | 107 | 102 | 102 | 102 | 100 |
| 1 | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 100 | 98 | 98 | 96 | 95 | 94 |
| 2 | 108 | 103 | 99 | 96 | 106 | 101 | 98 | 95 | 98 | 95 | 93 | 95 | 93 | 91 | 93 | 91 | 89 | 87 |
| 3 | 103 | 96 | 91 | 87 | 101 | 95 | 90 | 87 | 92 | 89 | 85 | 90 | 87 | 84 | 88 | 85 | 83 | 81 |
| 4 | 98 | 90 | 85 | 81 | 96 | 89 | 84 | 80 | 87 | 83 | 79 | 85 | 81 | 78 | 83 | 80 | 77 | 76 |
| 5 | 93 | 85 | 79 | 75 | 91 | 84 | 78 | 74 | 82 | 77 | 74 | 80 | 76 | 73 | 79 | 75 | 72 | 71 |
| 6 | 88 | 80 | 74 | 70 | 87 | 79 | 73 | 69 | 77 | 73 | 69 | 76 | 72 | 68 | 75 | 71 | 68 | 67 |
| 7 | 84 | 75 | 69 | 65 | 83 | 75 | 69 | 65 | 73 | 68 | 65 | 72 | 68 | 64 | 71 | 67 | 64 | 63 |
| 8 | 80 | 71 | 65 | 61 | 79 | 71 | 65 | 61 | 70 | 65 | 61 | 69 | 64 | 61 | 68 | 63 | 60 | 59 |
| 9 | 77 | 68 | 62 | 58 | 76 | 67 | 62 | 58 | 66 | 61 | 58 | 65 | 61 | 57 | 64 | 60 | 57 | 56 |
| 10 | 74 | 64 | 59 | 55 | 73 | 64 | 58 | 55 | 63 | 58 | 55 | 62 | 58 | 54 | 61 | 57 | 54 | 53 |

For lux multiply fc by 10.7

## eW Burst Powercore 4000 K, 41° spread lens

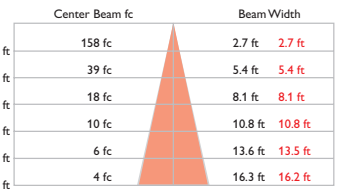
| | |
|---|---|
| Lumens | 1240 |
| Efficacy | 41.3 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 2522 | 2522 | 2522 | 2522 | 2522 |
| 5 | 2390 | 2378 | 2382 | 2394 | 2402 |
| 15 | 1573 | 1565 | 1577 | 1594 | 1612 |
| 25 | 700 | 698 | 704 | 715 | 727 |
| 35 | 227 | 228 | 231 | 233 | 234 |
| 45 | 72 | 73 | 76 | 75 | 71 |
| 55 | 31 | 32 | 32 | 30 | 27 |
| 65 | 15 | 14 | 14 | 11 | 9 |
| 75 | 4 | 3 | 2 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




50.3 ft (15.3 m)
1 fc maximum distance

Vert. Spread: 37.4°
Horiz. Spread: 37.4°

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

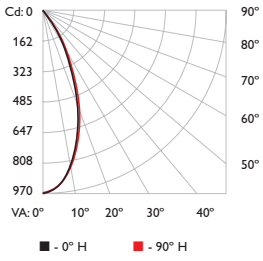
Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 | | |
| 1 | 1.14 | 1.11 | 1.09 | 1.07 | 1.12 | 1.09 | 1.07 | .95 | 1.05 | 1.04 | 1.02 | 1.01 | 1.00 | .99 | .98 | .97 | .96 | .94 | | |
| 2 | 1.09 | 1.04 | 1.01 | .98 | 1.07 | 1.03 | .99 | .89 | .99 | .97 | .94 | .97 | .94 | .92 | .94 | .92 | .90 | .89 | | |
| 3 | 1.04 | .98 | .94 | .90 | 1.02 | .97 | .93 | .84 | .94 | .91 | .88 | .92 | .89 | .86 | .90 | .87 | .85 | .84 | | |
| 4 | .99 | .93 | .87 | .84 | .98 | .91 | .87 | .80 | .89 | .85 | .82 | .87 | .84 | .81 | .86 | .83 | .80 | .79 | | |
| 5 | .95 | .87 | .82 | .78 | .94 | .87 | .82 | .76 | .85 | .81 | .77 | .83 | .79 | .77 | .82 | .78 | .76 | .75 | | |
| 6 | .91 | .83 | .78 | .74 | .90 | .82 | .77 | .72 | .81 | .76 | .73 | .79 | .75 | .72 | .78 | .75 | .72 | .71 | | |
| 7 | .87 | .79 | .73 | .70 | .86 | .78 | .73 | .68 | .77 | .72 | .69 | .76 | .72 | .69 | .75 | .71 | .68 | .67 | | |
| 8 | .84 | .75 | .70 | .66 | .82 | .75 | .69 | .65 | .73 | .69 | .66 | .72 | .68 | .65 | .72 | .68 | .65 | .64 | | |
| 9 | .80 | .72 | .66 | .63 | .79 | .71 | .66 | .62 | .70 | .66 | .62 | .69 | .65 | .62 | .69 | .65 | .62 | .61 | | |
| 10 | .77 | .68 | .63 | .60 | .76 | .68 | .63 | .59 | .67 | .63 | .60 | .67 | .62 | .59 | .66 | .62 | .59 | .58 | | |

## eW Burst Compact Powercore 4000 K, 41° spread lens

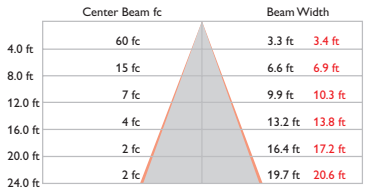
| | |
|---|---|
| Lumens | 646 |
| Efficacy | 42.8 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 963 | 963 | 963 | 963 | 963 |
| 5 | 926 | 928 | 934 | 925 | 926 |
| 15 | 709 | 722 | 727 | 714 | 700 |
| 25 | 392 | 409 | 428 | 421 | 413 |
| 35 | 136 | 150 | 175 | 181 | 178 |
| 45 | 33 | 39 | 50 | 59 | 59 |
| 55 | 11 | 14 | 18 | 21 | 23 |
| 65 | 3 | 4 | 7 | 10 | 11 |
| 75 | 0 | 1 | 2 | 3 | 4 |
| 85 | 0 | 0 | 0 | 1 | 1 |
| 90 | 0 | 0 | 0 | 0 | 1 |

### Illuminance at Distance




31 ft (9.4 m)
1 fc maximum distance

Vert. Spread: 44.7°
Horiz. Spread: 46.5°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

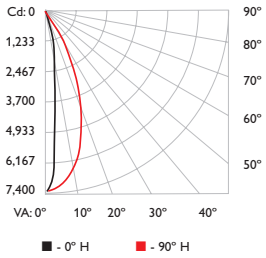
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 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 | 85 | 79 | 75 | 91 | 84 | 78 | 74 | 82 | 77 | 74 | 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 | 68 | 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 |

For lux multiply fc by 10.7

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

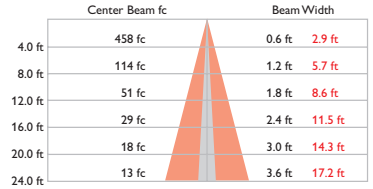
| | |
|---|---|
| Lumens | 1046 |
| Efficacy | 35.9 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 7327 | 7327 | 7327 | 7327 | 7327 |
| 5 | 3062 | 3347 | 4459 | 6309 | 7098 |
| 15 | 180 | 190 | 319 | 1838 | 5103 |
| 25 | 92 | 103 | 124 | 274 | 2153 |
| 35 | 42 | 50 | 67 | 93 | 544 |
| 45 | 19 | 26 | 34 | 48 | 126 |
| 55 | 7 | 8 | 16 | 22 | 43 |
| 65 | 1 | 3 | 6 | 7 | 15 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




85.5 ft (26.1 m)
1 fc maximum distance

Vert. Spread: 8.7°
Horiz. Spread: 39.4°

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

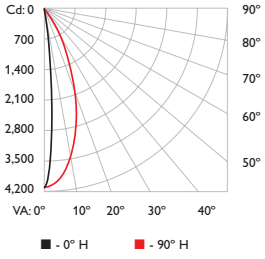
Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 | | |
| 1 | 1.15 | 1.12 | 1.10 | 1.09 | 1.12 | 1.10 | 1.08 | .96 | 1.06 | 1.05 | 1.04 | 1.03 | 1.01 | 1.00 | .99 | .98 | .98 | .96 | | |
| 2 | 1.10 | 1.07 | 1.03 | 1.01 | 1.08 | 1.05 | 1.02 | .92 | 1.02 | .99 | .97 | .99 | .97 | .95 | .96 | .95 | .93 | .92 | | |
| 3 | 1.06 | 1.01 | .97 | .94 | 1.05 | 1.00 | .96 | .89 | .98 | .95 | .92 | .95 | .93 | .91 | .93 | .91 | .89 | .88 | | |
| 4 | 1.03 | .97 | .92 | .89 | 1.01 | .96 | .92 | .85 | .94 | .90 | .88 | .92 | .89 | .87 | .90 | .88 | .86 | .84 | | |
| 5 | .99 | .93 | .88 | .85 | .98 | .92 | .88 | .82 | .90 | .87 | .84 | .89 | .86 | .83 | .87 | .85 | .82 | .81 | | |
| 6 | .96 | .89 | .84 | .81 | .95 | .88 | .84 | .79 | .87 | .83 | .80 | .86 | .82 | .80 | .85 | .82 | .79 | .78 | | |
| 7 | .93 | .86 | .81 | .78 | .92 | .85 | .81 | .76 | .84 | .80 | .77 | .83 | .80 | .77 | .82 | .79 | .77 | .76 | | |
| 8 | .90 | .83 | .78 | .75 | .89 | .82 | .78 | .74 | .81 | .77 | .75 | .80 | .77 | .74 | .80 | .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 | | |

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

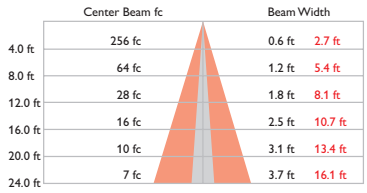
| | |
|---|---|
| Lumens | 557 |
| Efficacy | 37.4 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 4096 | 4096 | 4096 | 4096 | 4096 |
| 5 | 1618 | 2352 | 3964 | 2484 | 1693 |
| 15 | 96 | 171 | 2701 | 186 | 100 |
| 25 | 48 | 67 | 1026 | 66 | 48 |
| 35 | 22 | 33 | 237 | 35 | 21 |
| 45 | 9 | 16 | 54 | 18 | 13 |
| 55 | 3 | 7 | 19 | 10 | 6 |
| 65 | 1 | 2 | 7 | 5 | 3 |
| 75 | 0 | 1 | 1 | 2 | 2 |
| 85 | 0 | 0 | 0 | 0 | 1 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




64 ft (19.5 m)
1 fc maximum distance

Vert. Spread: 8.8°
Horiz. Spread: 37.1°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

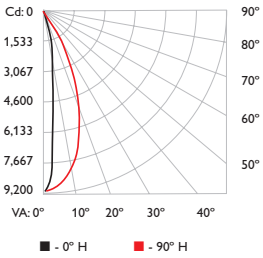
| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106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

For lux multiply fc by 10.7

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

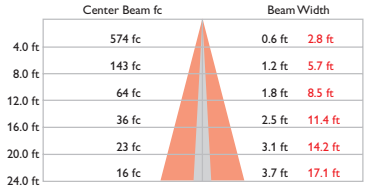
| | |
|---|---|
| Lumens | 1317 |
| Efficacy | 44.0 lm / W |

### Polar Candela Distribution




| | 0 | 22.5 | 44 | 67.5 | 90 |
|---|---|---|---|---|---|
| 0 | 9182 | 9182 | 9182 | 9182 | 9182 |
| 5 | 3592 | 3983 | 5348 | 7581 | 8896 |
| 15 | 221 | 242 | 423 | 2155 | 6374 |
| 25 | 112 | 124 | 149 | 357 | 2658 |
| 35 | 51 | 63 | 82 | 116 | 660 |
| 45 | 19 | 27 | 41 | 59 | 151 |
| 55 | 7 | 9 | 18 | 26 | 51 |
| 65 | 1 | 3 | 6 | 8 | 17 |
| 75 | 0 | 0 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




96 ft (29.3 m)
1 fc maximum distance

Vert. Spread: 8.8°
Horiz. Spread: 39.2°

### Zonal Lumen

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

Efficiency Total: 100%

### Coefficients Of Utilization - Zonal Cavity Method

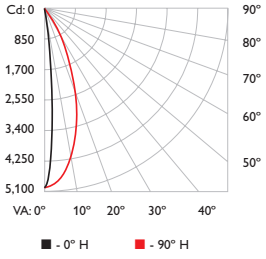
Effective Floor Cavity Reflectance: 20%

| RCC %: | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW %: | 70 | 50 | 30 | 0 | 70 | 50 | 30 | 0 | 50 | 30 | 20 | 50 | 30 | 20 | 50 | 30 | 20 | 0 |
| RCR: 0 | 1.19 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.00 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | 1.00 |
| 1 | 1.15 | 1.12 | 1.10 | 1.09 | 1.12 | 1.10 | 1.08 | .96 | 1.06 | 1.05 | 1.04 | 1.03 | 1.02 | 1.01 | .99 | .98 | .98 | .96 |
| 2 | 1.10 | 1.07 | 1.03 | 1.01 | 1.08 | 1.05 | 1.02 | .92 | 1.02 | .99 | .97 | .99 | .97 | .95 | .96 | .95 | .93 | .92 |
| 3 | 1.07 | 1.01 | .98 | .94 | 1.05 | 1.00 | .97 | .89 | .98 | .95 | .92 | .95 | .93 | .91 | .93 | .91 | .89 | .88 |
| 4 | 1.03 | .97 | .93 | .89 | 1.01 | .96 | .92 | .85 | .94 | .90 | .88 | .92 | .89 | .87 | .90 | .88 | .86 | .85 |
| 5 | .99 | .93 | .88 | .85 | .98 | .92 | .88 | .82 | .90 | .87 | .84 | .89 | .86 | .83 | .87 | .85 | .83 | .81 |
| 6 | .96 | .89 | .85 | .81 | .95 | .89 | .84 | .79 | .87 | .83 | .81 | .86 | .83 | .80 | .85 | .82 | .80 | .79 |
| 7 | .93 | .86 | .81 | .78 | .92 | .85 | .81 | .77 | .84 | .80 | .78 | .83 | .80 | .77 | .82 | .79 | .77 | .76 |
| 8 | .90 | .83 | .79 | .75 | .89 | .83 | .78 | .74 | .82 | .78 | .75 | .81 | .77 | .75 | .80 | .77 | .74 | .73 |
| 9 | .88 | .80 | .76 | .73 | .87 | .80 | .76 | .72 | .79 | .75 | .73 | .78 | .75 | .72 | .78 | .74 | .72 | .71 |
| 10 | .85 | .78 | .74 | .71 | .84 | .77 | .73 | .70 | .77 | .73 | .70 | .76 | .73 | .70 | .75 | .72 | .70 | .69 |

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

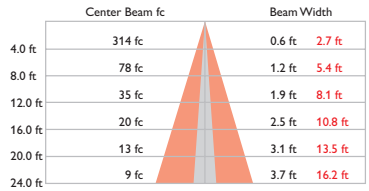
| | |
|---|---|
| Lumens | 695 |
| Efficacy | 46.3 lm / W |

### Polar Candela Distribution




| | 0.0 | 45.0 | 90.0 | 135.0 | 180.0 |
|---|---|---|---|---|---|
| 0 | 5018 | 5018 | 5018 | 5018 | 5018 |
| 5 | 2053 | 2940 | 4826 | 3058 | 2141 |
| 15 | 123 | 209 | 3313 | 228 | 128 |
| 25 | 62 | 83 | 1279 | 82 | 58 |
| 35 | 28 | 43 | 300 | 41 | 29 |
| 45 | 12 | 21 | 67 | 23 | 18 |
| 55 | 3 | 9 | 25 | 13 | 6 |
| 65 | 1 | 3 | 10 | 5 | 3 |
| 75 | 0 | 0 | 2 | 2 | 1 |
| 85 | 0 | 0 | 0 | 0 | 0 |
| 90 | 0 | 0 | 0 | 0 | 0 |

### Illuminance at Distance




71 ft (21.6 m)
1 fc maximum distance

Vert. Spread: 8.9°
Horiz. Spread: 37.4°

### Zonal Lumen

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

### Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

| 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 | 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 | 93 | 91 | 90 | 88 |
| 4 | 103 | 97 | 93 | 90 | 101 | 96 | 92 | 89 | 94 | 91 | 88 | 92 | 90 | 87 | 91 | 88 | 86 | 85 |
| 5 | 100 | 93 | 89 | 86 | 98 | 92 | 88 | 85 | 91 | 87 | 85 | 89 | 86 | 84 | 88 | 85 | 83 | 82 |
| 6 | 97 | 90 | 85 | 82 | 95 | 89 | 85 | 82 | 88 | 84 | 81 | 87 | 83 | 81 | 85 | 83 | 80 | 79 |
| 7 | 94 | 87 | 82 | 79 | 92 | 86 | 82 | 79 | 85 | 81 | 79 | 84 | 81 | 78 | 83 | 80 | 78 | 77 |
| 8 | 91 | 84 | 79 | 76 | 90 | 83 | 79 | 76 | 82 | 79 | 76 | 82 | 78 | 76 | 81 | 78 | 75 | 74 |
| 9 | 88 | 81 | 77 | 74 | 87 | 81 | 77 | 74 | 80 | 76 | 74 | 79 | 76 | 73 | 79 | 75 | 73 | 72 |
| 10 | 86 | 79 | 75 | 72 | 85 | 78 | 74 | 72 | 78 | 74 | 72 | 77 | 74 | 71 | 77 | 73 | 71 | 70 |

For lux multiply fc by 10.7

# eW Burst Powercore Specifications

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

| Item | Color Temp.* | 8° primary | 14° | 23° | 41° | 10° x 41° |
|---|---|---|---|---|---|---|
| Lumens† | 2700 K | 1168 | 1022 | 1004 | 991 | 1046 |
| | 4000 K | 1478 | 1280 | 1259 | 1240 | 1317 |
| Efficacy (lm / W) | 2700 K | 39.9 | 34.9 | 34.3 | 33.8 | 35.9 |
| | 4000 K | 49.3 | 42.7 | 41.9 | 41.3 | 44.0 |

| Item | Specification | Details |
|---|---|---|
| Output | Beam Angle | 8° primary optic<br>14° / 23° / 41° spread lenses<br>10° x 41° asymmetric spread lens |
| | CRI | 82.6 (2700 K) 80.6 (4000 K) |
| | Lumen Maintenance‡ | 90,000 hours $L_{70}$ @ 25° C 45,000 hours $L_{70}$ @ 50° C<br>120,000 hours $L_{50}$ @ 25° C 70,000 hours $L_{50}$ @ 50° C |
| Electrical | Input Voltage | 100 – 277 VAC, auto-switching, 50 / 60 Hz |
| | Power Consumption | 30 W maximum at full output, steady state |
| | Power Factor | .978 @ 120 V (2700 K) .975 @ 120 V (4000 K) |
| Control | Dimming | Compatible with selected commercially available reverse-phase ELV-type dimmers§ |
| Physical | Dimensions *(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 |
| Certification and Safety | Certification | UL / cUL, FCC Class A, CE, 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% maintenance of lumen output (when light output drops below 70% of initial output).
$L_{50}$ = 50% maintenance of lumen output (when light output drops below 50% of initial output).
Ambient temperatures specified. Based on measurements that comply with IES LM-80-08 testing procedures.
See www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

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

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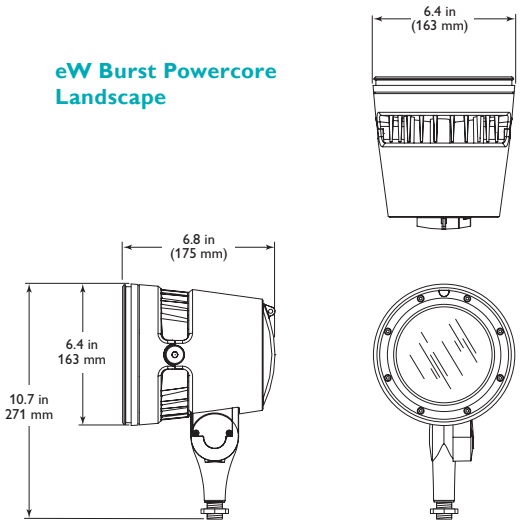
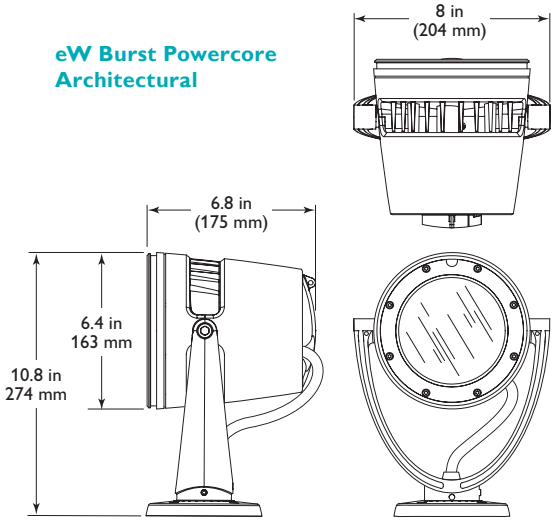
## eW Burst Powercore Landscape




## eW Burst Powercore Architectural



# eW Burst Compact Powercore Specifications

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

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

| Item | Specification | Details |
|---|---|---|
| Output | Beam Angle | 8° primary optic<br>14° / 23° / 41° spread lenses<br>10° x 41° asymmetric spread lens |
| | CRI | 83 (2700 K) 81 (4000 K) |
| | Lumen Maintenance‡ | 90,000 hours $L_{70}$ @ 25° C 50,000 hours $L_{70}$ @ 50° C<br>120,000 hours $L_{50}$ @ 25° C 90,000 hours $L_{50}$ @ 50° C |
| Electrical | Input Voltage | 100 – 277 VAC, auto-switching, 50 / 60 Hz |
| | Power Consumption | 15 W maximum at full output, steady state |
| | Power Factor | .995 @ 120 VAC (2700 K) .994 @ 120 VAC (4000 K) |
| Control | Dimming | Compatible with selected commercially available reverse-phase ELV-type dimmers§ |
| 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 |
| | Fixture Run Lengths | To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/ |
| | Vibration Resistance | ANSI C136.31 (Architectural only) |
| | Humidity | 0 – 95%, non-condensing |
| Certification and Safety | Certification | UL / cUL, FCC Class A, CE, 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% maintenance of lumen output (when light output drops below 70% of initial output). $L_{50}$ = 50% maintenance of lumen output (when light output drops below 50% of initial output). Ambient temperatures specified. Based on measurements that comply with IES LM-80-08 testing procedures. See www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

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

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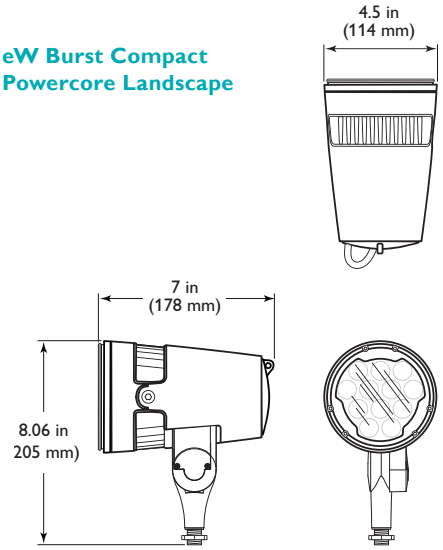
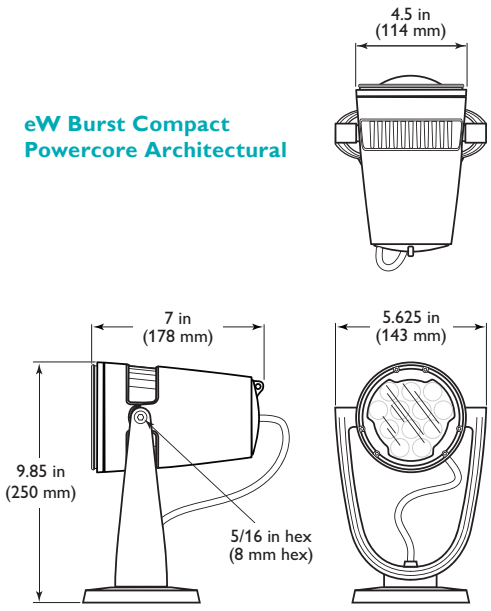
**eW Burst Compact Powercore Landscape**




**eW Burst Compact Powercore Architectural**



# eW Burst Powercore Landscape

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

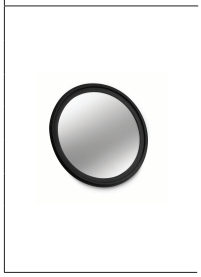
Use Item Number when ordering in North America.

# eW Burst Powercore Architectural

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

Use Item Number when ordering in North America.

# Accessories



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

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

# Installation

eW Burst Powercore LED fixtures offer a wash of high-intensity warm or neutral white light for spotlighting, site, and accent lighting. Powercore delivers line voltage directly to the fixture and eases installation by eliminating the need for external power supplies or special wiring.

### Owner / User Responsibilities

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

# Prepare for the Installation

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

**eW Burst Powercore Architectural Installations**

- The provided stainless steel screws for outdoor installations
- The provided junction box gasket for outdoor installations
- Unless surface-mounting, one 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

**eW 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 the fixture in place

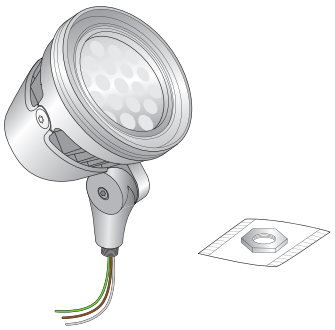
**All Installations**

- A sufficient length 3-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

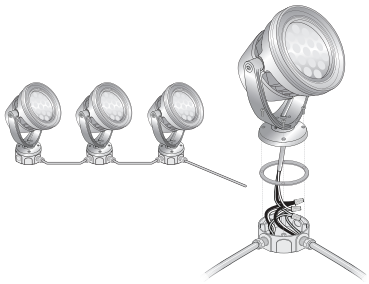
## Included in the box

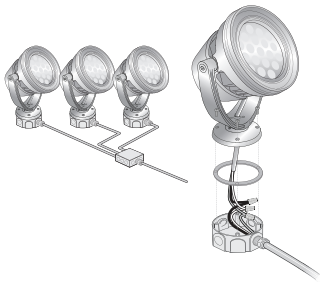
| **eW Burst Powercore Architectural** |
|---|
| eW Burst Powercore Architectural fixture |
| (4) 10-24 stainless steel screws for outdoor installation |
| Junction box gasket |
| Installation Instructions |

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



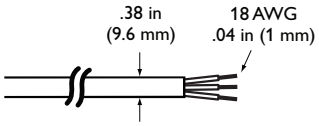
# Connect and Mount eW Burst Powercore Fixtures

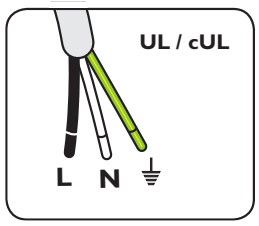


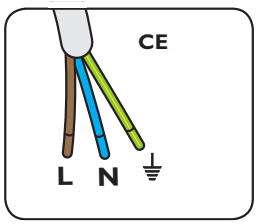


*Ensure that all junction boxes are suitable for the environment and that all wiring between junction boxes complies with local codes.*

### Fixture cable dimensions




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

- eW 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 cable from the canopy base.
- eW 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.

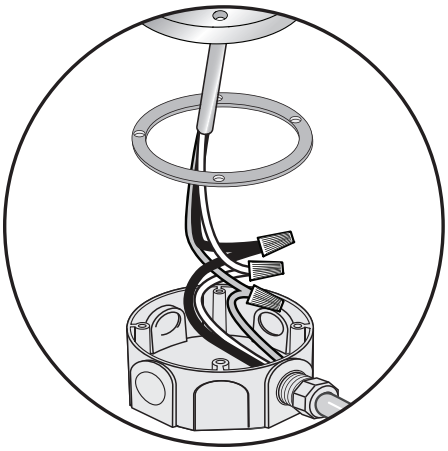
eW Burst Powercore fixtures can be controlled either with a standard wall switch (on / off) or a commercially available electronic low-voltage (ELV) dimmer. eW Burst Powercore fixtures work with many trailing edge or reverse phase control ELV dimmers. Refer to the installation instructions included with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

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

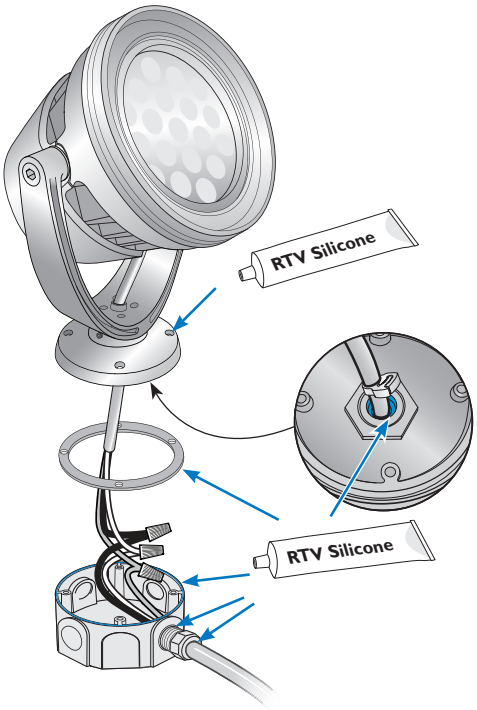
### Connecting eW Burst Powercore Architectural Fixtures to Junction Boxes

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.
2. If installing fixtures in a series, pull 3-conductor copper wire between the junction boxes. If installing fixtures in parallel, pull 3-conductor copper wire from line power 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 3-conductor copper wire.
3. Trim the cable from the fixture to fit in the junction box, leaving enough cable to make wiring connections.
4. If installing in a damp or wet location, Insert the fixture cable through the provided junction box gasket before making wire connections. When attaching the fixture to the junction box, ensure that the gasket is compressed evenly.



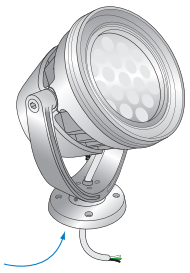
5. Use wire nuts to connect line, neutral, and ground.
6. Tuck wire connections into the junction box.
7. Screw the fixture's canopy base into the junction box using the four included 10-24 stainless steel screws. If installing in a damp or wet location, seal all junction boxes with electronics-grade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

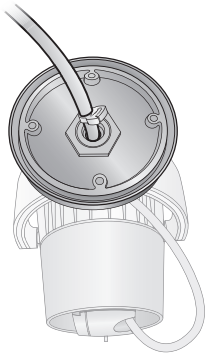


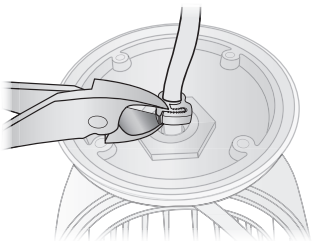

8. If installing in parallel, connect the wires from each fixture to the lead wire from the line power source in the common junction box.
9. Connect the wire from the first fixture in the series to the line power source if installing in series, or from the common junction box to the line power source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

## Surface-Mounting eW Burst Powercore Architectural Fixtures

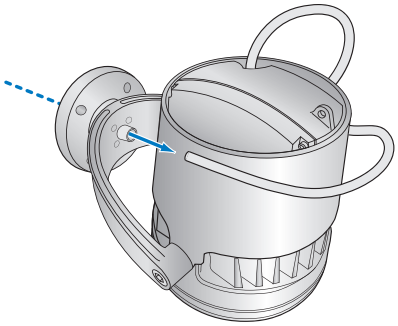
1. Prepare eW Burst Powercore Architectural fixtures for surface-mounting:
   - Remove the nylon cable clamp from the fixture's leader cable where it exits the underside of the canopy base.







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

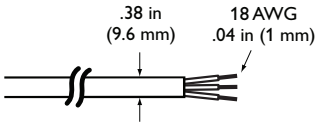


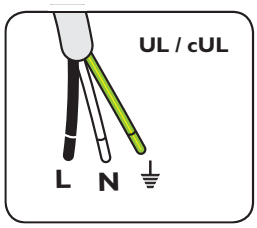
*Ensure that all junction boxes are suitable for the environment and that all wiring between junction boxes complies with local codes.*

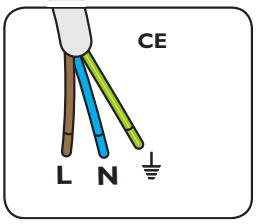
2. Mount junction boxes in accordance with the lighting design plan.
3. Position each eW Burst Powercore Architectural fixture in its designated mounting location. Make sure the mounting surface is flat, suitable for the mounting hardware, and clear of debris and other obstructions.
4. Use four suitable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

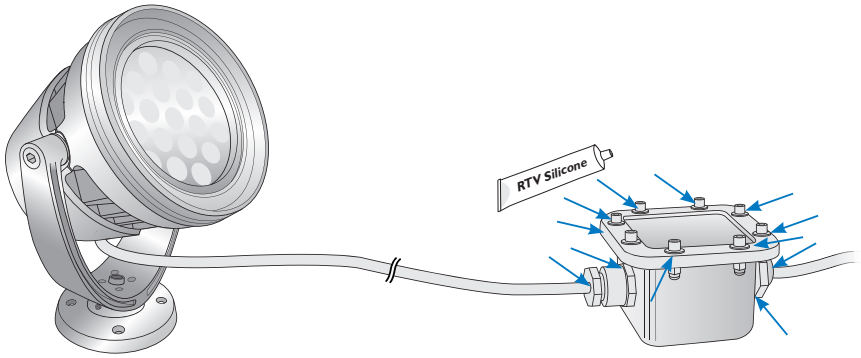
   We recommend the use of 12 AWG (2.05 mm), stranded 3-conductor copper wire.
6. Use wire nuts to connect line, neutral, and ground, and tuck wire connections into the junction box.
7. Secure all junction box covers. If installing in a damp or wet location, seal all junction boxes with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.

**Fixture cable dimensions**




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

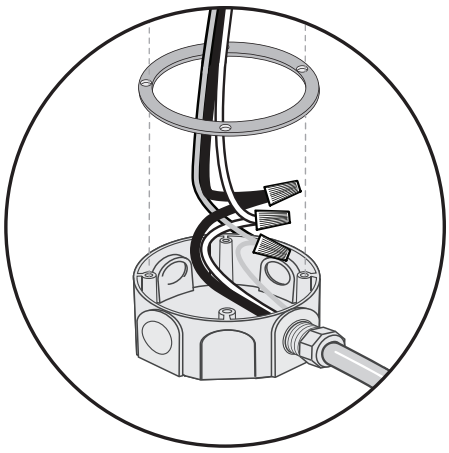
## Connecting and Mounting eW Burst Powercore Landscape Fixtures

eW 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.

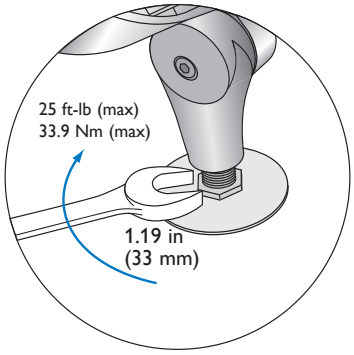
Make sure the power is OFF before mounting and connecting eW Burst Powercore fixtures.

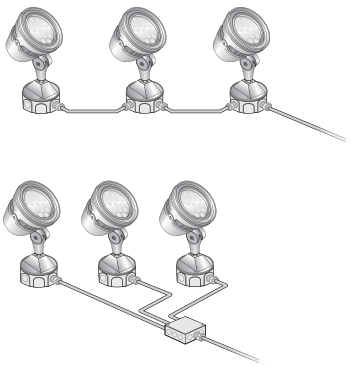
1. Mount junction boxes and any landscape mounting accessories in accordance with the lighting design plan.
2. If installing fixtures in a series, pull 3-conductor copper wire between the junction boxes. If installing fixtures in parallel, pull 3-conductor copper wire from line power to a common junction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

   We recommend the use of 12 AWG (2.05 mm), stranded 3-conductor copper wire.
3. Thread the locking nut onto the eW Burst Powercore Landscape threaded post.
4. If installing in a damp or wet location, insert the fixture cable through a junction box gasket before making wire connections. When attaching the junction box cover, ensure that the gasket is compressed evenly.
5. Use wire nuts to connect line, neutral, and ground.

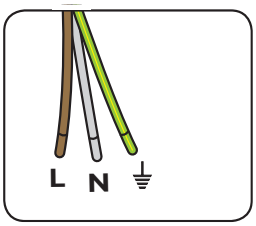


6. Tuck wire connections into the junction box or mounting accessory.
7. Using a 33 mm wrench, torque the locking nut to 25 ft-lb (33.9 Nm). Do not overtighten.

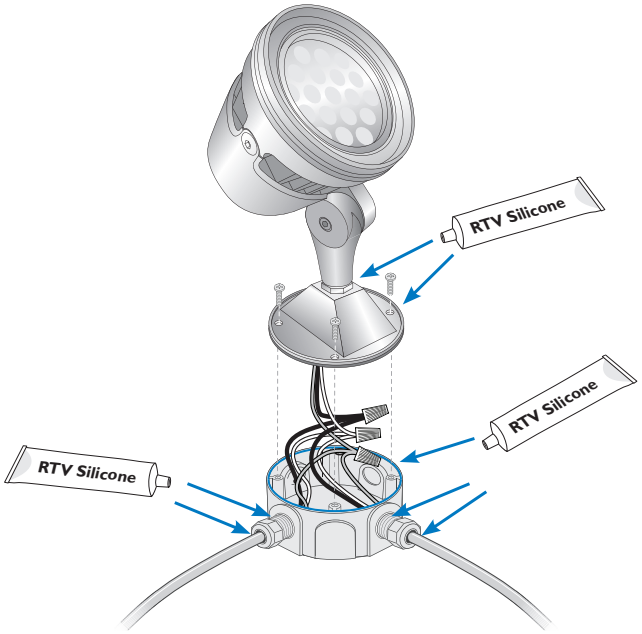


*Ensure that all junction boxes are suitable for the environment and that all wiring between junction boxes complies with local codes.*



8. 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.




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

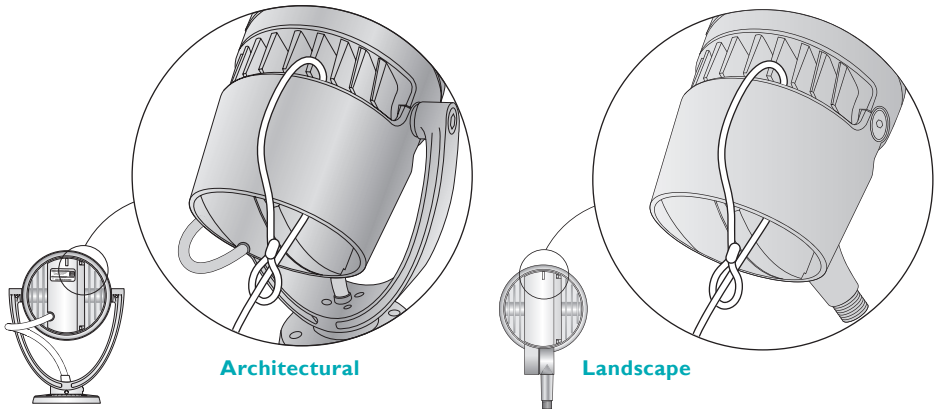
## Attach Safety Cable (Optional)

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

**Safety cable minimum requirements**

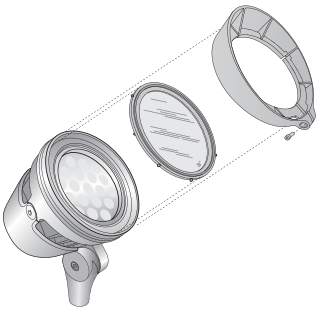
| | |
|---|---|
| Material | 304 or 316 Stainless Steel |
| Size | 5/32 in (4 mm) nominal diameter<br>Minimum break load must be greater than 2,400 lb (1089 kg) |

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.

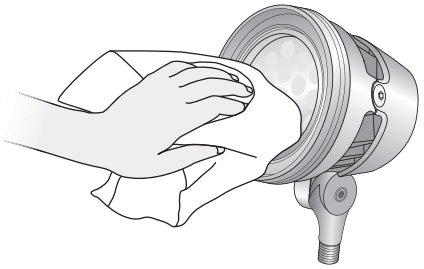
# Attach Accessories (Optional)

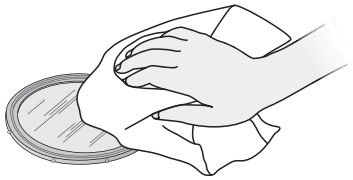


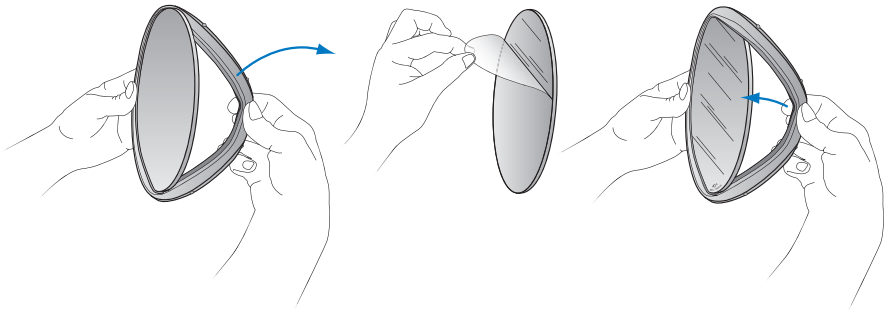
Honeycomb Louvers and exchangeable Spread Lenses of 14°, 23°, 41°, and an asymmetric 10° x 41° support a variety of photometric distributions for a multitude of applications.

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

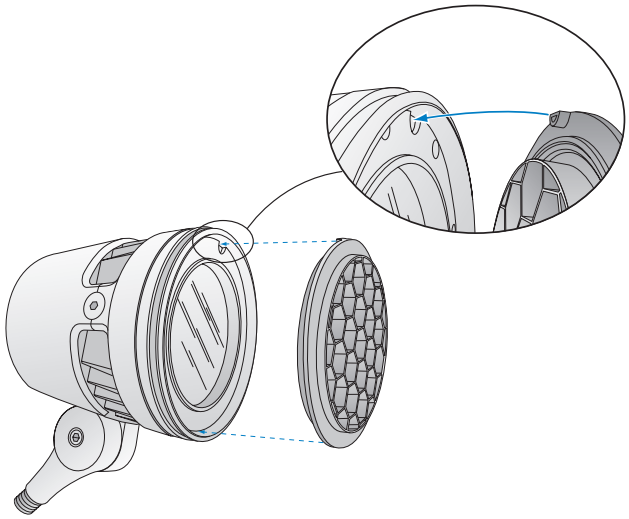
1. Unpack and confirm the contents of the box. Each accessory is shipped one per box. Spread Lenses include an attached rubber gasket. The Trim Ring, 45° Glare Shield, and Full Height Glare Shield include an attached locking screw.
2. Clean the face of the eW Burst Powercore housing, including glass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

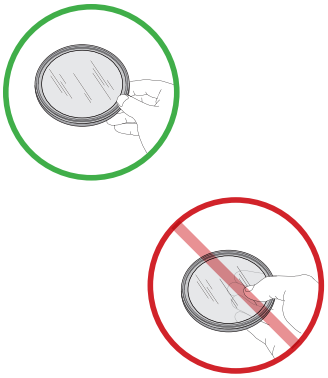






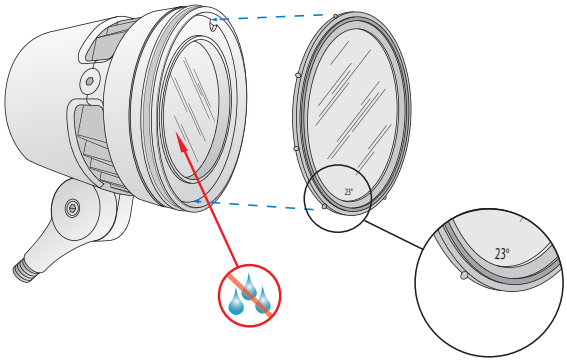
4. Position the honeycomb louver or spread lens:
   - If using the honeycomb louver, insert the tab on the honeycomb louver into the notch on the face of the eW Burst Powercore fixture housing.



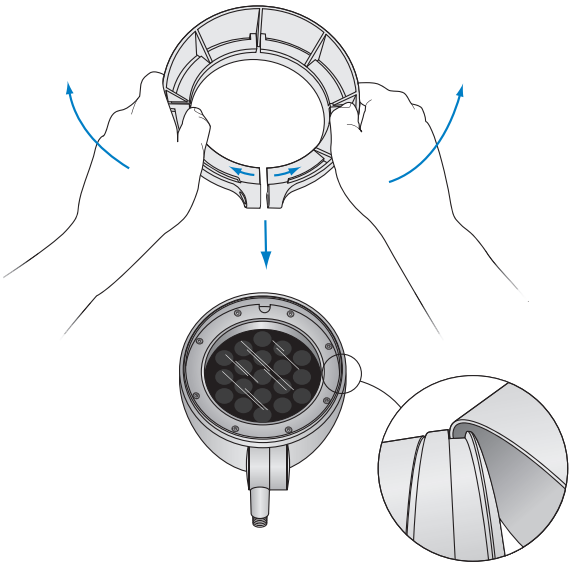


*Rotating the asymmetric 10° x 41° spread lens changes its effect on the fixture's light output. You may want to rough-in the spread lens position, fine-tune it when aiming and locking the fixture, then lock down the trim ring or glare shield once the lens is positioned to give the desired results.*

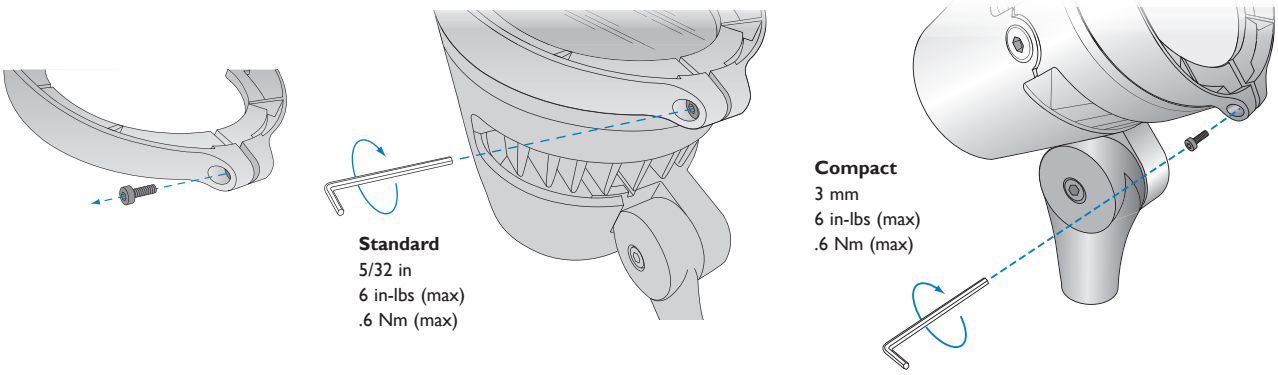
- If using a spread lens, make sure that the beam-angle designation on the edge of the lens is face up. Handle the spread lens by the gasket, making sure not to touch or soil either surface of the spread lens. Rest the lens against the face of the eW Burst Powercore housing. Make sure that there is no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




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 eW Burst Compact Powercore, use a 3 mm hex wrench.



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

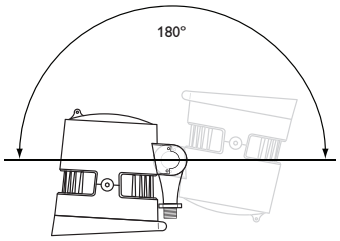
**Compact**
3 mm
6 in-lbs (max)
.6 Nm (max)

# Aim and Lock Fixtures

Make sure the power is ON before aiming fixtures.

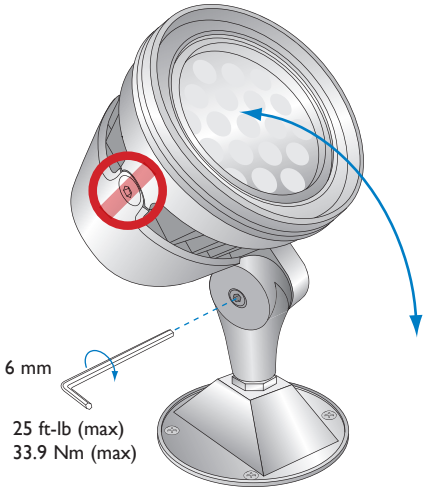
eW Burst Powercore fixtures can tilt through a full 180°. eW Burst Powercore Architectural fixtures can also rotate through a full 360° for precise aiming. Locking nuts use standard hex wrenches to secure fixtures firmly in position.

*Do not look directly into the fixture when aiming and locking.*



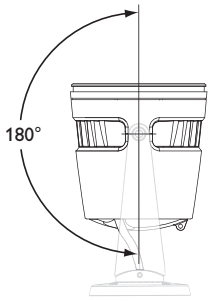

### Aiming and Locking eW Burst Powercore Landscape Fixtures

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.

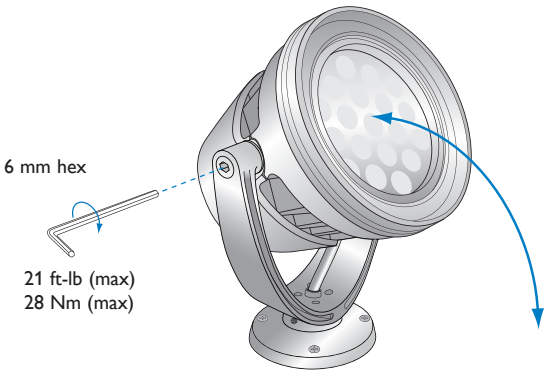


## Aiming and Locking eW Burst Powercore Architectural Fixtures

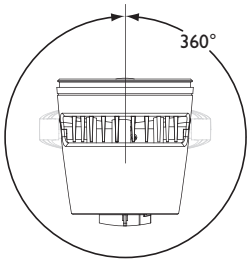
1. To tilt the beam:



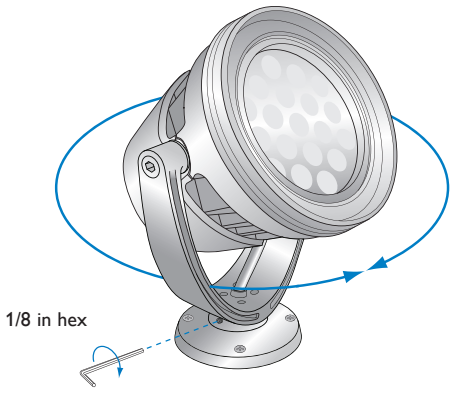

- Loosen the locking nuts on either side of the fixture yoke using a 5/16 in or 8 mm hex wrench.
- Tilt the beam as desired.
- Re-tighten the locking nuts to secure the fixture in place. Torque to 21 ft-lbs (28 Nm). Do not over-tighten.




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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