

LuxEOS Flood 9 VIVID COLOUR

LED FLOOD FOR ARCHITECTURAL LIGHTING



LuxEOS Flood 9 - RGBW (2700K)
10° 20° 40° 80° 10x60° 60x10°

Tested By
DW Windsor Group Laboratory
Hoddesdon
UK

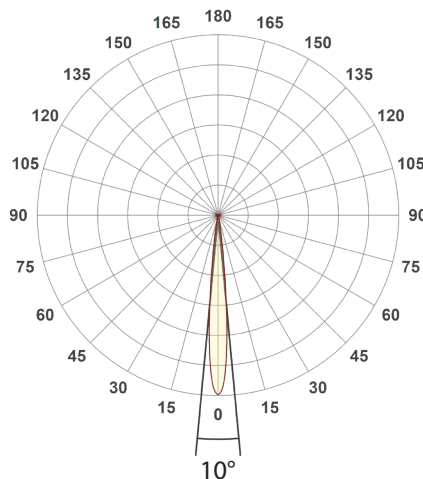
Date
Nov 2020

Dimensions
350mm (H) x 255mm (W) x 150mm (D) (including yoke)

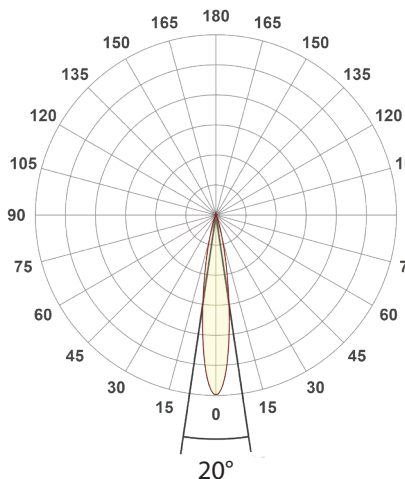
Weight
7.2 kgs (15.9lbs)

Polar Distribution

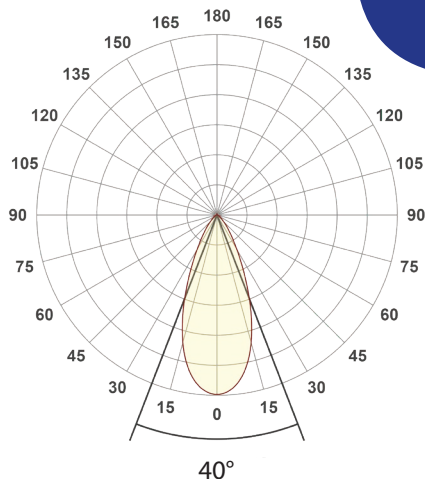
10° Conical Beam (Native)



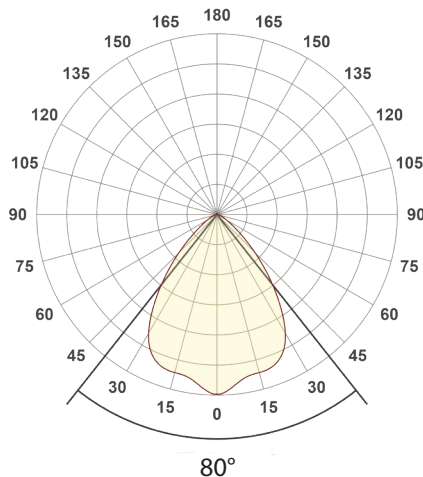
20° Conical Beam (With HBS)



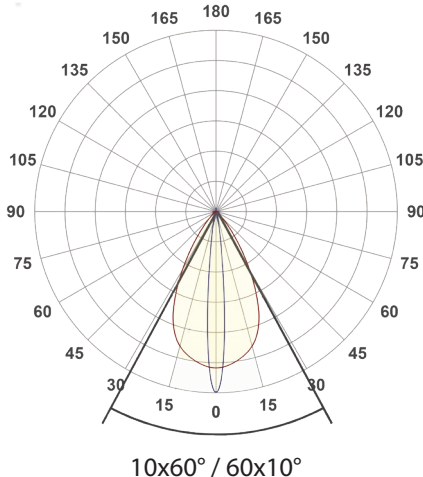
40° Conical Beam (With HBS)



80° Conical Beam (With HBS)

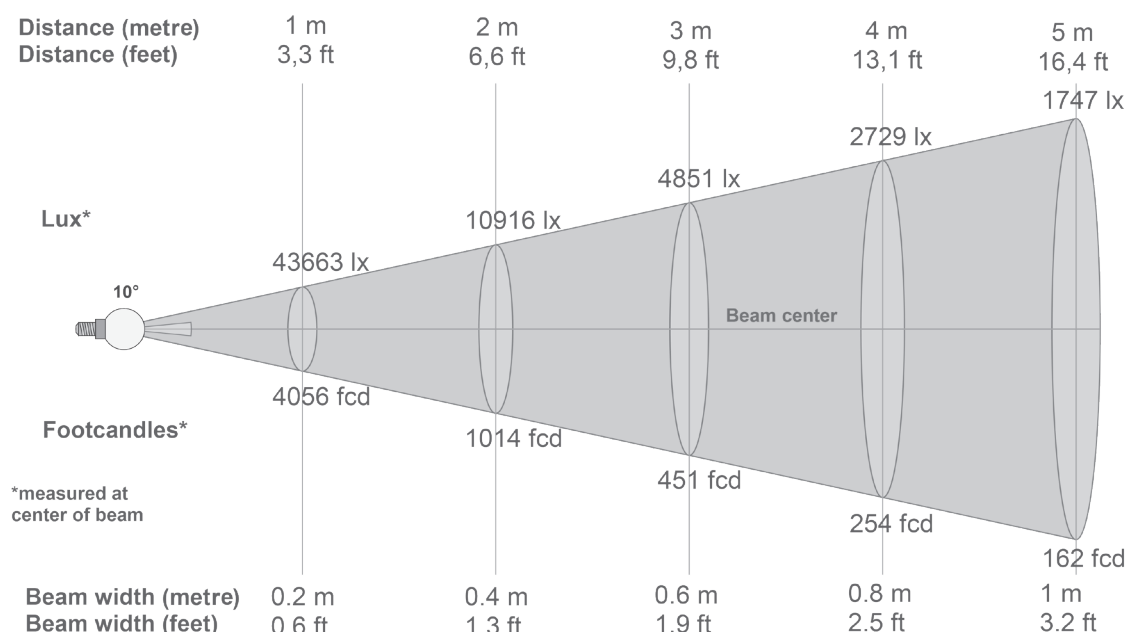


10x60° / 60x10° Elliptical Beam (With HBS)



LuxEOS Flood 9 - RGBW (2700K)

Intensities at Distance with native 10° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 43663lx | 10916lx | 4851lx | 2729lx | 1747lx | 1213lx | 891lx | 682lx | 539lx | 437lx | 361lx | 303lx | 258lx | 223lx | 194lx | 171lx | 151lx | 135lx | 121lx | 109lx |
| 4056.4fc | 1014.1fc | 450.7fc | 253.5fc | 162.3fc | 112.7fc | 82.8fc | 63.4fc | 50.1fc | 40.6fc | 33.5fc | 28.2fc | 24fc | 20.7fc | 18fc | 15.8fc | 14fc | 12.5fc | 11.2fc | 10.1fc |

Intensities in 0° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 43.7K | 43.0K | 41.0K | 37.5K | 32.1K | 25.4K | 18.5K | 12.5K | 8.0K | 4.9K | 3.1K | 2.1K | 1.6K | 1.4K | 1.2K | 1.0K | 0.9K | 0.7K | 0.6K | 0.5K |
| 100% | 98% | 94% | 86% | 74% | 58% | 42% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

Intensities in 90° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 43.7K | 43.0K | 41.0K | 37.5K | 32.1K | 25.4K | 18.5K | 12.5K | 8.0K | 4.9K | 3.1K | 2.1K | 1.6K | 1.4K | 1.2K | 1.0K | 0.9K | 0.7K | 0.6K | 0.5K |
| 100% | 98% | 94% | 86% | 74% | 58% | 42% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

Intensities in 180° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 43.7K | 43.0K | 41.0K | 37.5K | 32.1K | 25.4K | 18.5K | 12.5K | 8.0K | 4.9K | 3.1K | 2.1K | 1.6K | 1.4K | 1.2K | 1.0K | 0.9K | 0.7K | 0.6K | 0.5K |
| 100% | 98% | 94% | 86% | 74% | 58% | 42% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

Intensities in 270° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 43.7K | 43.0K | 41.0K | 37.5K | 32.1K | 25.4K | 18.5K | 12.5K | 8.0K | 4.9K | 3.1K | 2.1K | 1.6K | 1.4K | 1.2K | 1.0K | 0.9K | 0.7K | 0.6K | 0.5K |
| 100% | 98% | 94% | 86% | 74% | 58% | 42% | 29% | 18% | 11% | 7% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

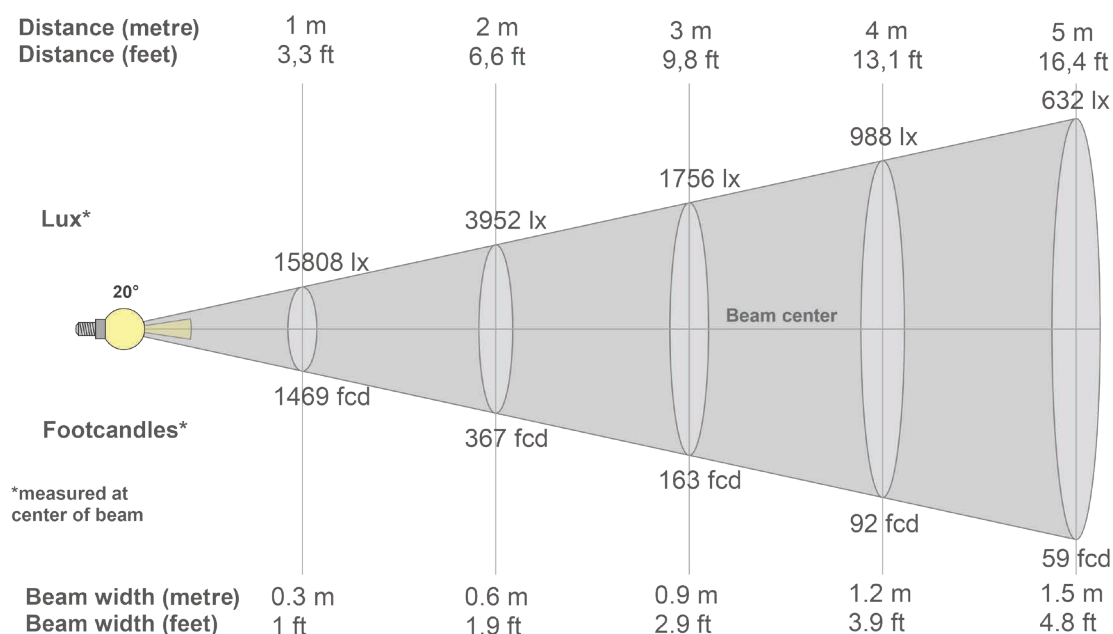
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 11° | 18.5° | 29.3° | 97.8% | 96.4% |

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LuxEOS Flood 9 - RGBW (2700K)

Intensities at Distance with 20° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 15808lx | 3952lx | 1756lx | 988lx | 632lx | 439lx | 323lx | 247lx | 195lx | 158lx | 131lx | 110lx | 94lx | 81lx | 70lx | 62lx | 55lx | 49lx | 44lx | 40lx |
| 1468.6fc | 367.1fc | 163.2fc | 91.8fc | 58.7fc | 40.8fc | 30fc | 22.9fc | 18.1fc | 14.7fc | 12.1fc | 10.2fc | 8.7fc | 7.5fc | 6.5fc | 5.7fc | 5.1fc | 4.5fc | 4.1fc | 3.7fc |

Intensities in 0° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.7K | 15.2K | 14.4K | 13.4K | 12.3K | 11.0K | 9.7K | 8.4K | 7.1K | 6.0K | 5.0K | 4.1K | 3.3K | 2.7K | 2.2K | 1.8K | 1.4K | 1.2K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

Intensities in 90° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.7K | 15.2K | 14.4K | 13.4K | 12.3K | 11.0K | 9.7K | 8.4K | 7.1K | 6.0K | 5.0K | 4.1K | 3.3K | 2.7K | 2.2K | 1.8K | 1.4K | 1.2K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

Intensities in 180° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.7K | 15.2K | 14.4K | 13.4K | 12.3K | 11.0K | 9.7K | 8.4K | 7.1K | 6.0K | 5.0K | 4.1K | 3.3K | 2.7K | 2.2K | 1.8K | 1.4K | 1.2K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

Intensities in 270° c-plane

| 0° | 1° | 2° | 3° | 4° | 5° | 6° | 7° | 8° | 9° | 10° | 11° | 12° | 13° | 14° | 15° | 16° | 17° | 18° | 19° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.8K | 15.7K | 15.2K | 14.4K | 13.4K | 12.3K | 11.0K | 9.7K | 8.4K | 7.1K | 6.0K | 5.0K | 4.1K | 3.3K | 2.7K | 2.2K | 1.8K | 1.4K | 1.2K | 0.9K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

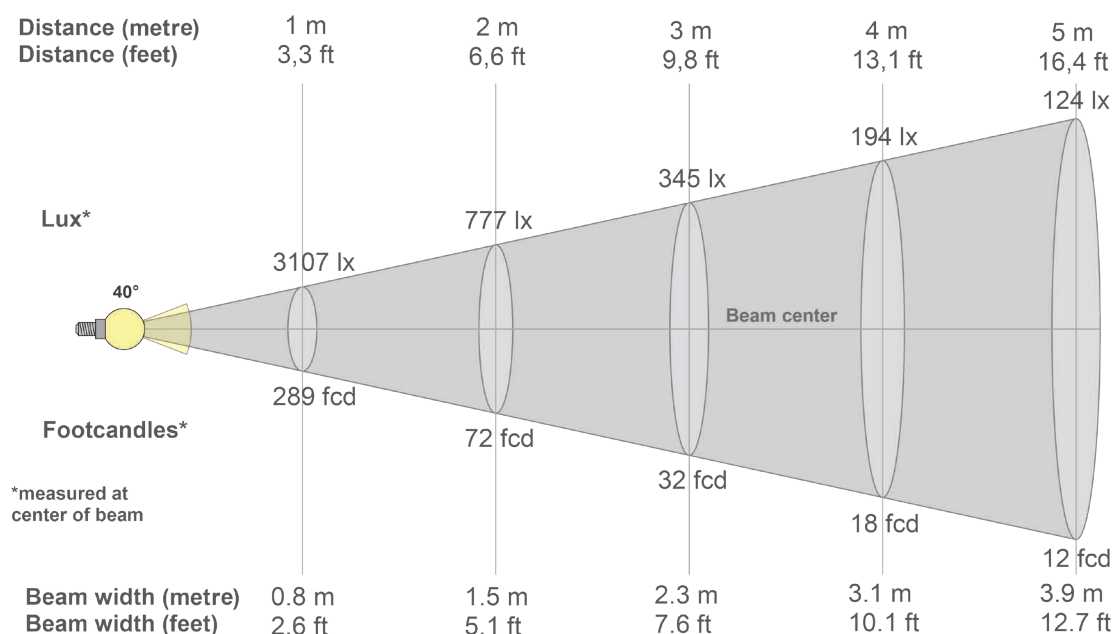
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 16.8° | 33.1° | 47.6° | 97.0% | 94.9% |

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LuxEOS Flood 9 - RGBW (2700K)

Intensities at Distance with 40° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 3107lx | 777lx | 345lx | 194lx | 124lx | 86lx | 63lx | 49lx | 38lx | 31lx | 26lx | 22lx | 18lx | 16lx | 14lx | 12lx | 11lx | 10lx | 9lx | 8lx |
| 288.6fcd | 72.2fcd | 32.1fcd | 18fcd | 11.5fcd | 8fcd | 5.9fcd | 4.5fcd | 3.6fcd | 2.9fcd | 2.4fcd | 2fcd | 1.7fcd | 1.5fcd | 1.3fcd | 1.1fcd | 1fcd | 0.9fcd | 0.8fcd | 0.7fcd |

Intensities in 0° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 3107 | 3094 | 3052 | 2981 | 2880 | 2748 | 2586 | 2393 | 2176 | 1939 | 1694 | 1450 | 1220 | 1014 | 836 | 688 | 567 | 468 | 387 | 320 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

Intensities in 90° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 3107 | 3094 | 3052 | 2981 | 2880 | 2748 | 2586 | 2393 | 2176 | 1939 | 1694 | 1450 | 1220 | 1014 | 836 | 688 | 567 | 468 | 387 | 320 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

Intensities in 180° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 3107 | 3094 | 3052 | 2981 | 2880 | 2748 | 2586 | 2393 | 2176 | 1939 | 1694 | 1450 | 1220 | 1014 | 836 | 688 | 567 | 468 | 387 | 320 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

Intensities in 270° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 3107 | 3094 | 3052 | 2981 | 2880 | 2748 | 2586 | 2393 | 2176 | 1939 | 1694 | 1450 | 1220 | 1014 | 836 | 688 | 567 | 468 | 387 | 320 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

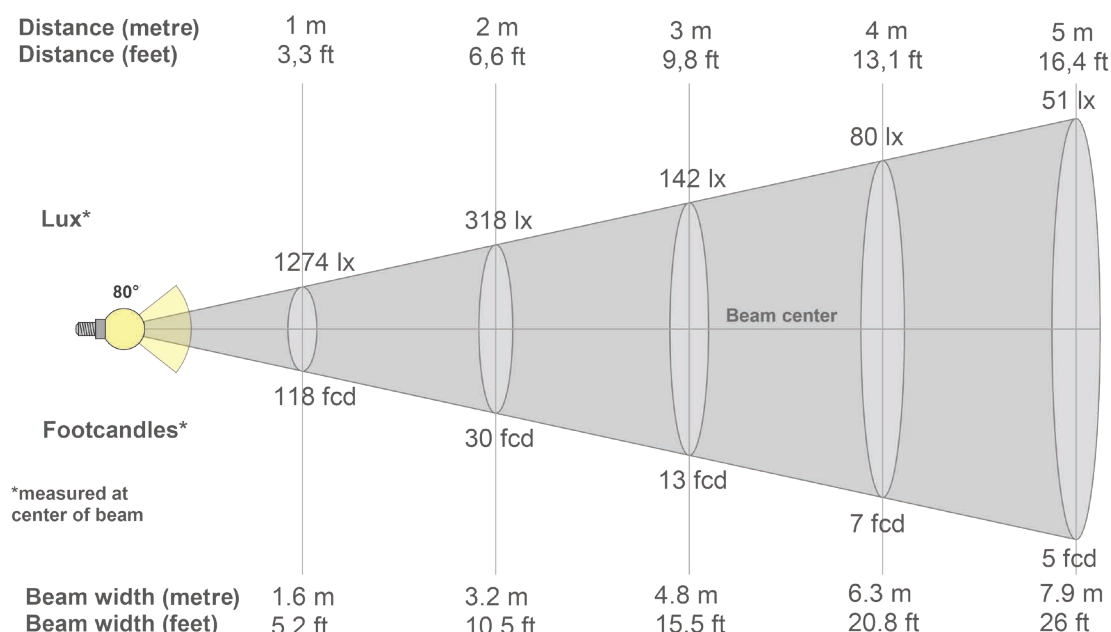
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 42.3° | 76.6° | 105.5° | 96.7% | 90.9% |

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LuxEOS Flood 9 - RGBW (2700K)

Intensities at Distance with 80° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 1274lx | 318lx | 142lx | 80lx | 51lx | 35lx | 26lx | 20lx | 16lx | 13lx | 11lx | 9lx | 8lx | 6lx | 6lx | 5lx | 4lx | 4lx | 4lx | 3lx |
| 118.3fcd | 29.6fcd | 13.1fcd | 7.4fcd | 4.7fcd | 3.3fcd | 2.4fcd | 1.8fcd | 1.5fcd | 1.2fcd | 1fcd | 0.8fcd | 0.7fcd | 0.6fcd | 0.5fcd | 0.5fcd | 0.4fcd | 0.4fcd | 0.3fcd | 0.3fcd |

Intensities in 0° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1274 | 1231 | 1173 | 1161 | 1149 | 1094 | 971 | 779 | 571 | 381 | 230 | 133 | 79 | 50 | 33 | 20 | 10 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

Intensities in 90° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1274 | 1231 | 1173 | 1161 | 1149 | 1094 | 971 | 779 | 571 | 381 | 230 | 133 | 79 | 50 | 33 | 20 | 10 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

Intensities in 180° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1274 | 1231 | 1173 | 1161 | 1149 | 1094 | 971 | 779 | 571 | 381 | 230 | 133 | 79 | 50 | 33 | 20 | 10 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

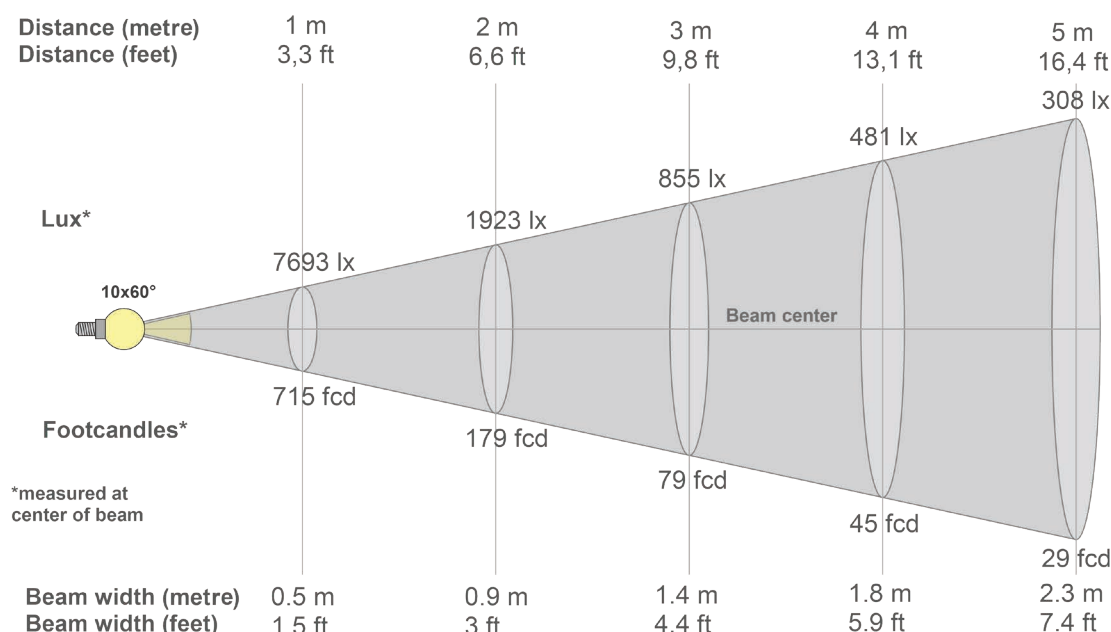
Intensities in 270° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1274 | 1231 | 1173 | 1161 | 1149 | 1094 | 971 | 779 | 571 | 381 | 230 | 133 | 79 | 50 | 33 | 20 | 10 | 3 | 1 | 0 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 76.8° | 110.8° | 140.5° | 95.0% | 82.4% |

LuxEOS Flood 9 - RGBW (2700K)

Intensities at Distance with 10x60° & 60x10° Optics



Beam intensities from 1-20m

| 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
|----------|----------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| 7693lx | 1923lx | 855lx | 481lx | 308lx | 214lx | 157lx | 120lx | 95lx | 77lx | 64lx | 53lx | 46lx | 39lx | 34lx | 30lx | 27lx | 24lx | 21lx | 19lx |
| 714.7fcd | 178.7fcd | 79.4fcd | 44.7fcd | 28.6fcd | 19.9fcd | 14.6fcd | 11.2fcd | 8.8fcd | 7.1fcd | 5.9fcd | 5fcd | 4.2fcd | 3.6fcd | 3.2fcd | 2.8fcd | 2.5fcd | 2.2fcd | 2fcd | 1.8fcd |

Intensities in 0° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7693 | 7215 | 7160 | 7074 | 6970 | 6850 | 6711 | 6543 | 6332 | 6060 | 5720 | 5301 | 4805 | 4249 | 3671 | 3096 | 2547 | 2041 | 1593 | 1214 |
| 100% | 94% | 93% | 92% | 91% | 89% | 87% | 85% | 82% | 79% | 74% | 69% | 62% | 55% | 48% | 40% | 33% | 27% | 21% | 16% |

Intensities in 90° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7693 | 7608 | 5636 | 3391 | 1831 | 1075 | 730 | 519 | 365 | 261 | 195 | 152 | 121 | 98 | 82 | 70 | 60 | 52 | 46 | 40 |
| 100% | 99% | 73% | 44% | 24% | 14% | 9% | 7% | 5% | 3% | 3% | 2% | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% |

Intensities in 180° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7693 | 7215 | 7160 | 7074 | 6970 | 6850 | 6711 | 6543 | 6332 | 6060 | 5720 | 5301 | 4805 | 4249 | 3671 | 3096 | 2547 | 2041 | 1593 | 1214 |
| 100% | 94% | 93% | 92% | 91% | 89% | 87% | 85% | 82% | 79% | 74% | 69% | 62% | 55% | 48% | 40% | 33% | 27% | 21% | 16% |

Intensities in 270° c-plane

| 0° | 2° | 4° | 6° | 8° | 10° | 12° | 14° | 16° | 18° | 20° | 22° | 24° | 26° | 28° | 30° | 32° | 34° | 36° | 38° |
|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 7693 | 7608 | 5636 | 3391 | 1831 | 1075 | 730 | 519 | 365 | 261 | 195 | 152 | 121 | 98 | 82 | 70 | 60 | 52 | 46 | 40 |
| 100% | 99% | 73% | 44% | 24% | 14% | 9% | 7% | 5% | 3% | 3% | 2% | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% |

| Beam angle 50% | Field angle 10% | Cutoff angle 2.5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 25.5° | 45.7° | 66.1° | 97.5% | 94.0% |

PULSAR

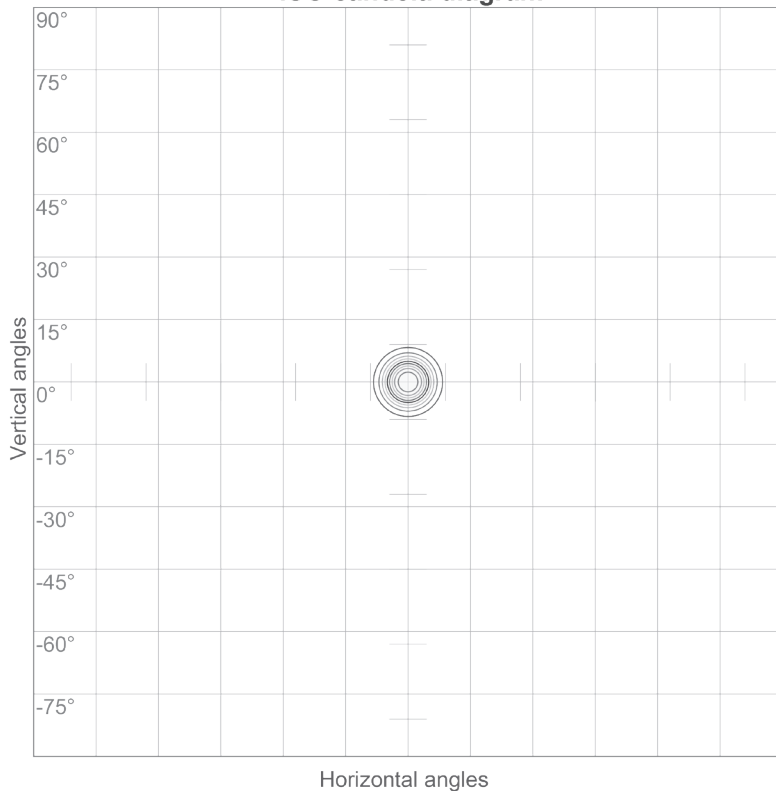
1 Pembroke Avenue, Waterbeach, Cambridge, CB25 9QP
www.pulsarlight.com | sales@pulsarlight.com | +44 (0) 1223 403 500

LuxEOS Flood 9 - RGBW (2700K)

ISO Candela & ISO Lux diagrams with 10° Optics



ISO candela diagram



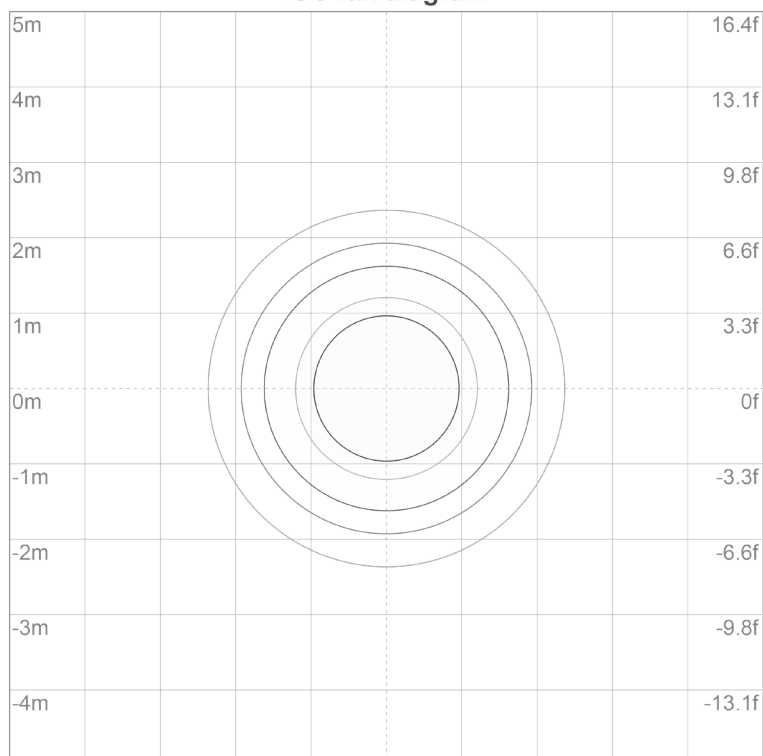
| | |
|-----|----------|
| 10% | 4366 cd |
| 20% | 8733 cd |
| 30% | 13099 cd |
| 40% | 17465 cd |
| 50% | 21832 cd |
| 60% | 26198 cd |
| 70% | 30564 cd |
| 80% | 34931 cd |
| 90% | 39297 cd |

Conditions:

Number of c-planes: 72

Candela at center: 43663 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 13.1 lx |
| 5% | 21.8 lx |
| 10% | 43.7 lx |
| 30% | 131 lx |
| 50% | 218 lx |

Conditions:

Number of c-planes: 72

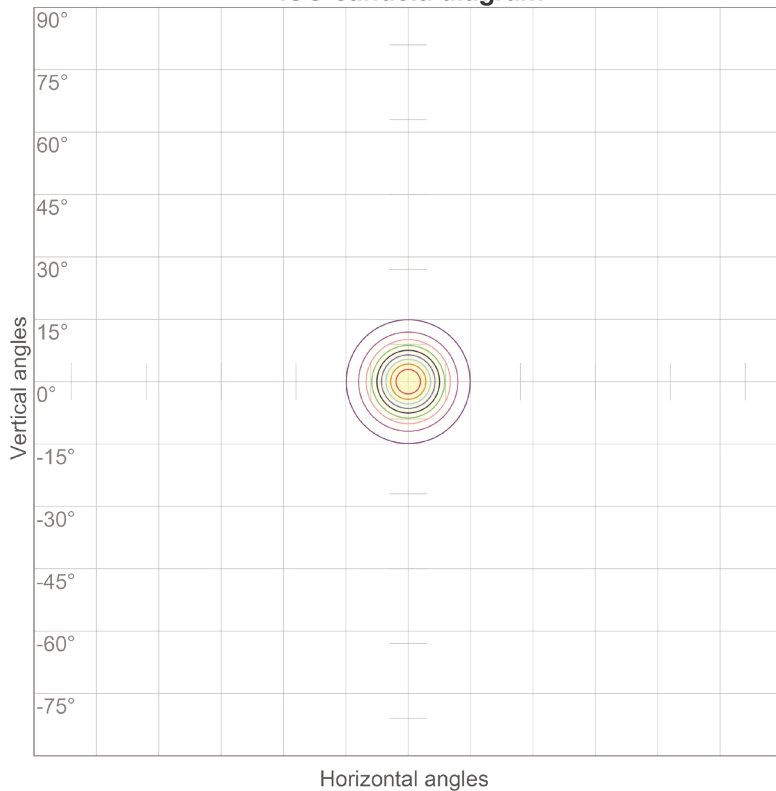
Lux at center: 437 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

LuxEOS Flood 9 - RGBW (2700K) ISO Candela & ISO Lux diagrams with 20° Optics



ISO candela diagram



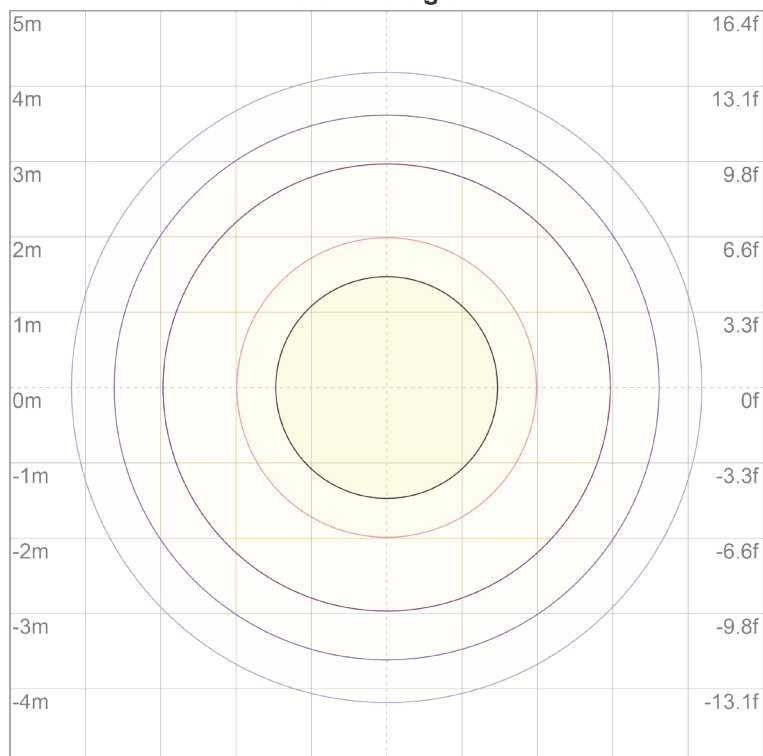
| | |
|-----|----------|
| 10% | 1581 cd |
| 20% | 3162 cd |
| 30% | 4742 cd |
| 40% | 6323 cd |
| 50% | 7904 cd |
| 60% | 9485 cd |
| 70% | 11065 cd |
| 80% | 12646 cd |
| 90% | 14227 cd |

Conditions:

Number of c-planes: 72

Candela at center: 15808 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 4.74 lx |
| 5% | 7.90 lx |
| 10% | 15.8 lx |
| 30% | 47.4 lx |
| 50% | 79.0 lx |

Conditions:

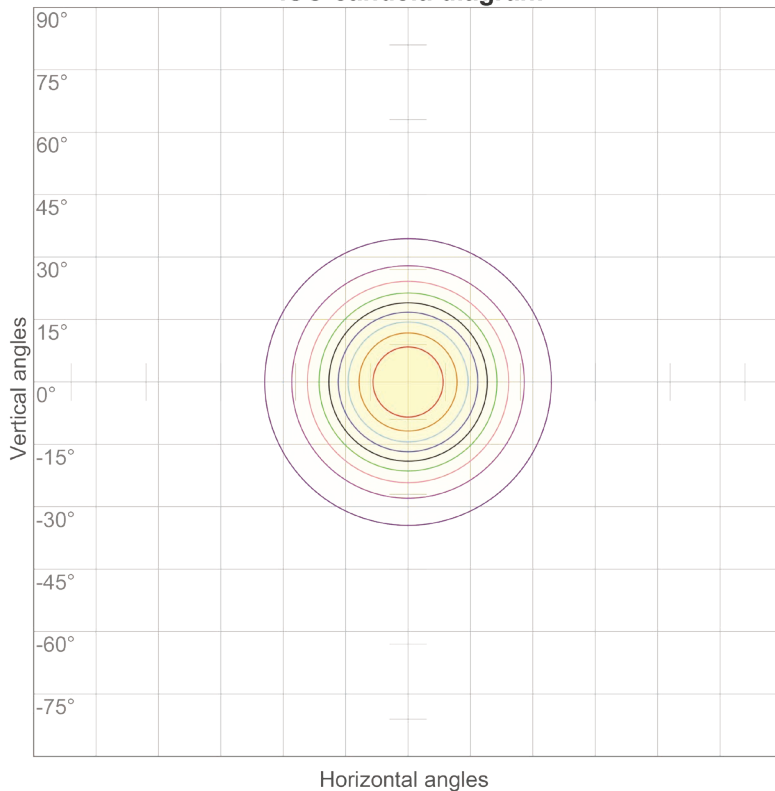
Number of c-planes: 72

Lux at center: 158 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*



ISO candela diagram



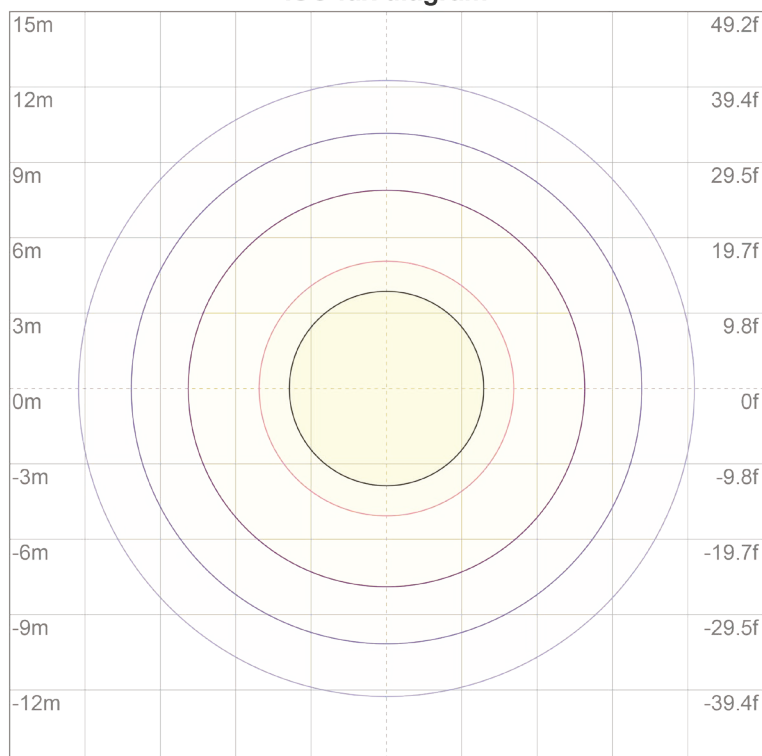
| | |
|-----|---------|
| 10% | 311 cd |
| 20% | 621 cd |
| 30% | 932 cd |
| 40% | 1243 cd |
| 50% | 1553 cd |
| 60% | 1864 cd |
| 70% | 2175 cd |
| 80% | 2485 cd |
| 90% | 2796 cd |

Conditions:

Number of c-planes: 72

Candela at center: 3107 cd

ISO lux diagram



| | |
|-----|----------|
| 3% | 0.932 lx |
| 5% | 1.55 lx |
| 10% | 3.11 lx |
| 30% | 9.32 lx |
| 50% | 15.5 lx |

Conditions:

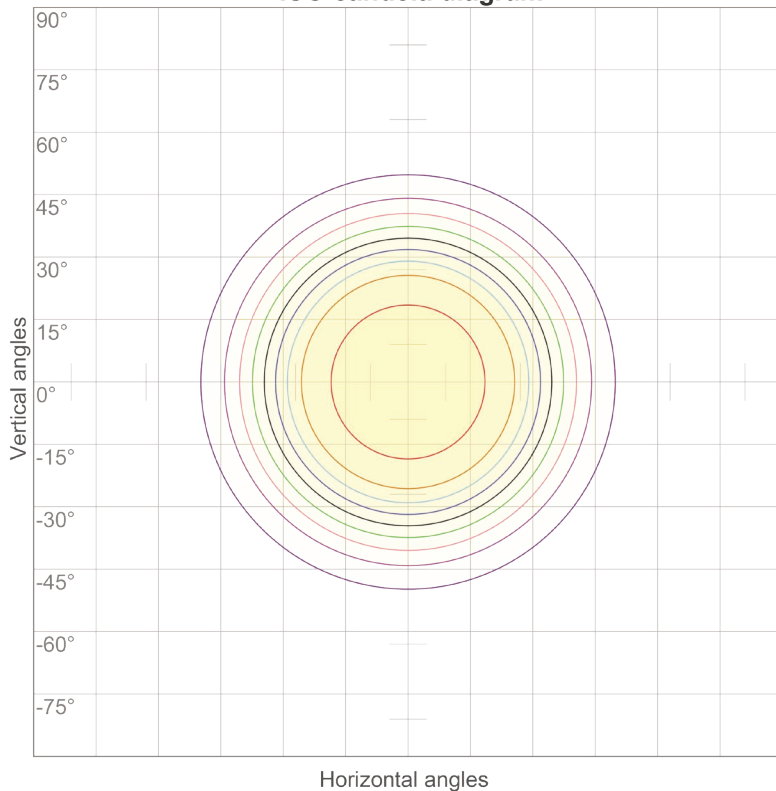
Number of c-planes: 72

Lux at center: 31.1 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*



ISO candela diagram



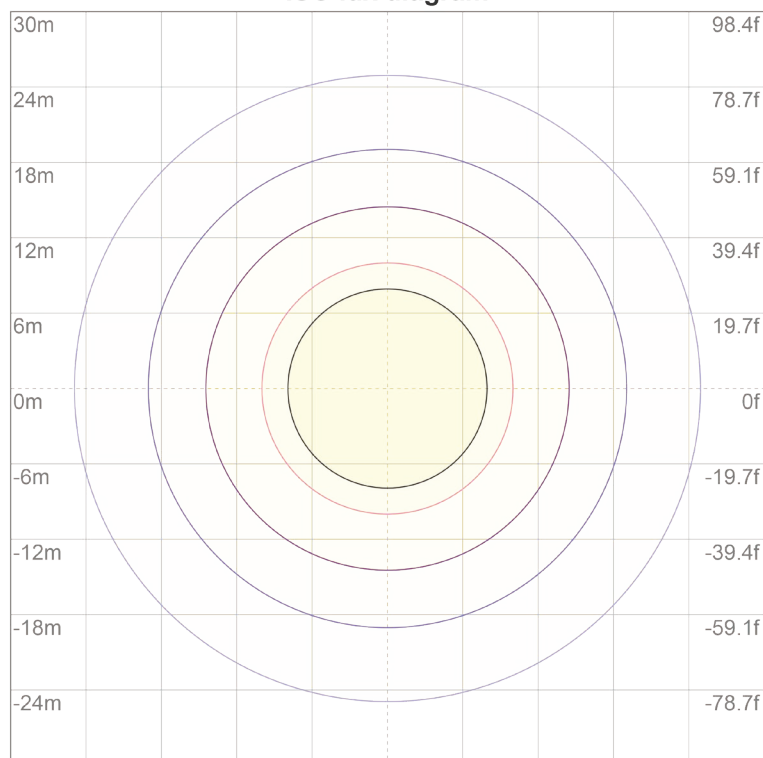
| | |
|-----|---------|
| 10% | 127 cd |
| 20% | 255 cd |
| 30% | 382 cd |
| 40% | 509 cd |
| 50% | 637 cd |
| 60% | 764 cd |
| 70% | 891 cd |
| 80% | 1019 cd |
| 90% | 1146 cd |

Conditions:

Number of c-planes: 72

Candela at center: 1274 cd

ISO lux diagram



| | |
|-----|----------|
| 3% | 0.382 lx |
| 5% | 0.637 lx |
| 10% | 1.27 lx |
| 30% | 3.82 lx |
| 50% | 6.37 lx |

Conditions:

Number of c-planes: 72

Lux at center: 12.7 lx

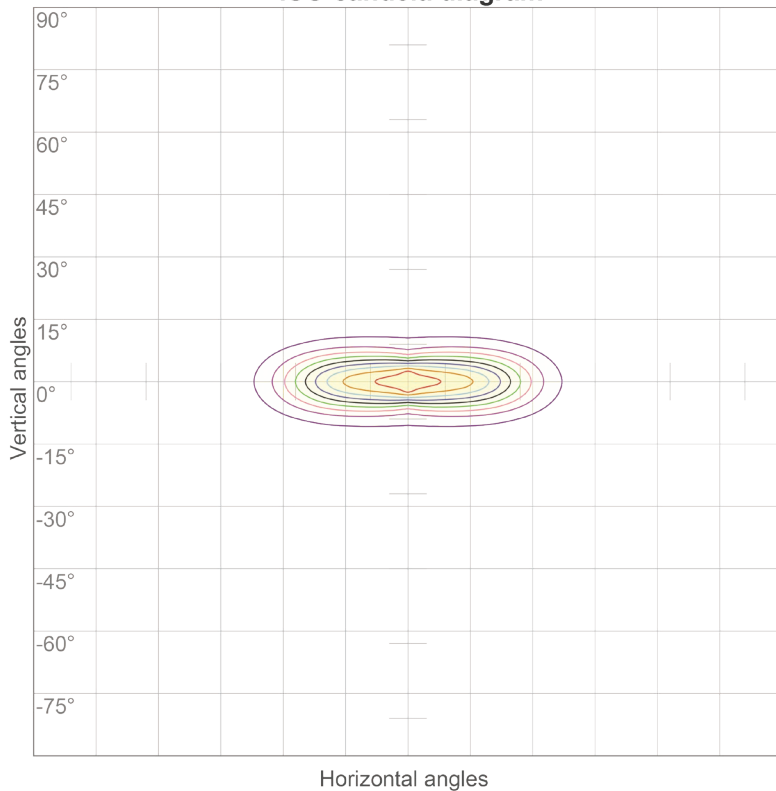
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

LuxEOS Flood 9 - RGBW (2700K)

ISO Candela & ISO Lux diagrams with 10x60° & 60x10° Optics



ISO candela diagram



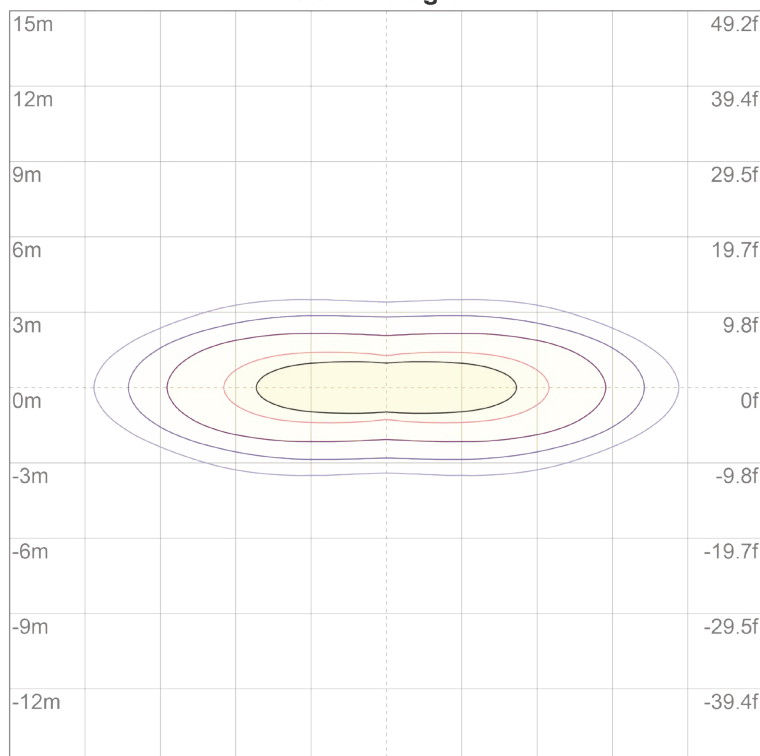
| | |
|-----|---------|
| 10% | 769 cd |
| 20% | 1539 cd |
| 30% | 2308 cd |
| 40% | 3077 cd |
| 50% | 3847 cd |
| 60% | 4616 cd |
| 70% | 5385 cd |
| 80% | 6155 cd |
| 90% | 6924 cd |

Conditions:

Number of c-planes: 72

Candela at center: 7693 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 2.31 lx |
| 5% | 3.85 lx |
| 10% | 7.69 lx |
| 30% | 23.1 lx |
| 50% | 38.5 lx |

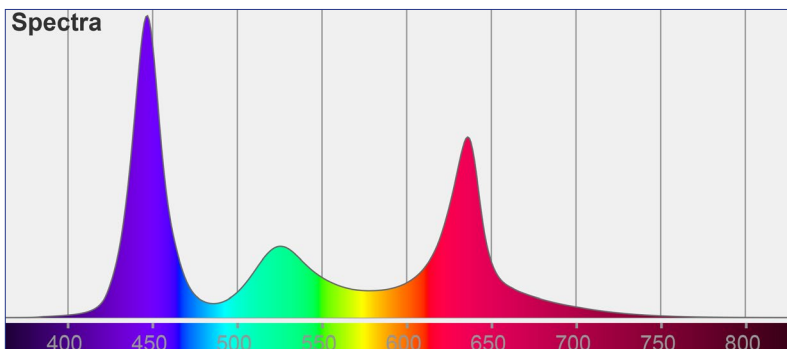
Conditions:

Number of c-planes: 72

Lux at center: 76.9 lx

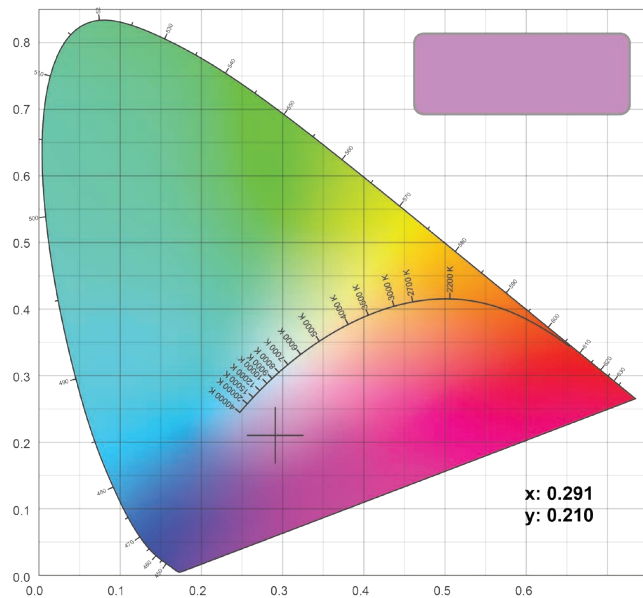
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

LuxEOS Flood 9 - RGBW (2700K) Colormetrics RGBW

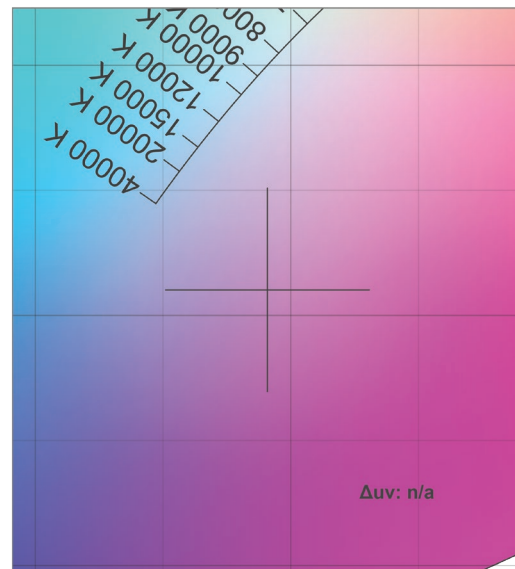


Total Lumen Output (Native) : 2060 lm
Efficacy : 34.3 lm/W
Voltage : 240V
Supply Power : 60W
Supply Power Factor : 0.97

CIE 1931

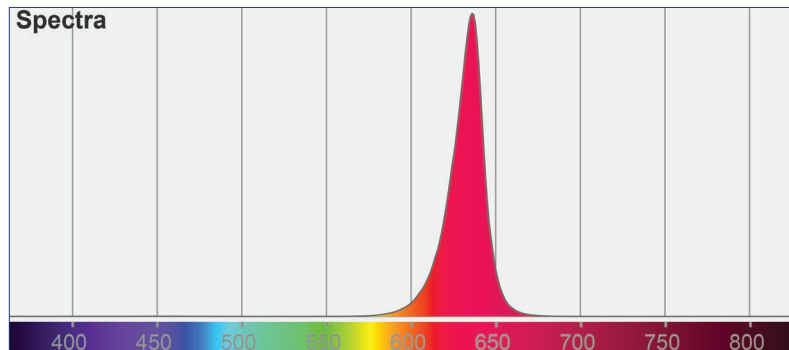


CIE 1931 Zoom



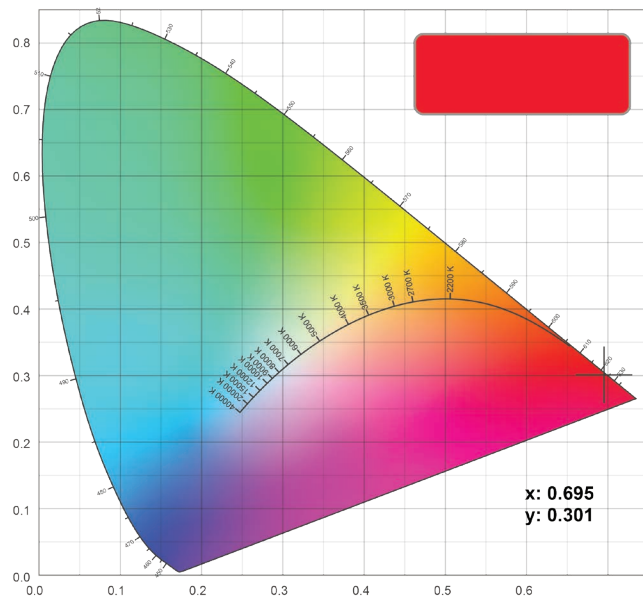
LuxEOS Flood 9 - RGBW (2700K)

Colormetrics **RED**

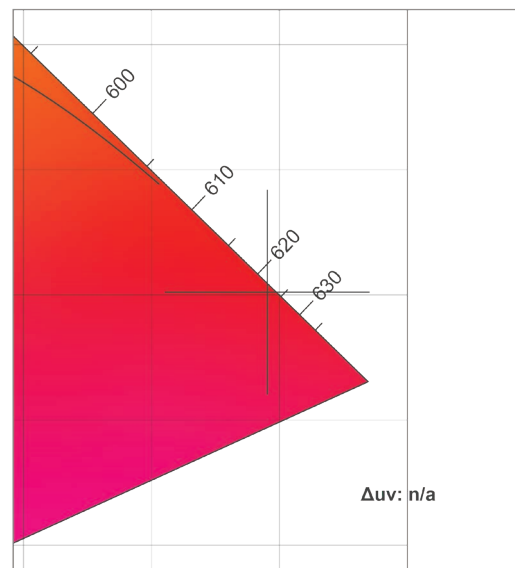


Red Lumen Output : 527 lm

CIE 1931

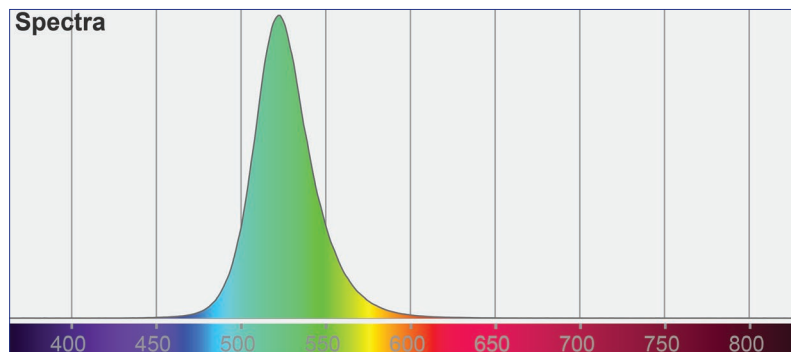


CIE 1931 Zoom



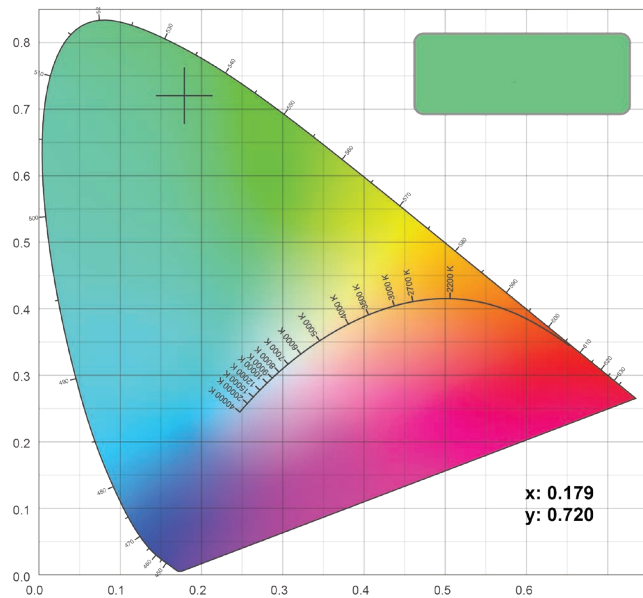
LuxEOS Flood 9 - RGBW (2700K)

Colormetrics **GREEN**

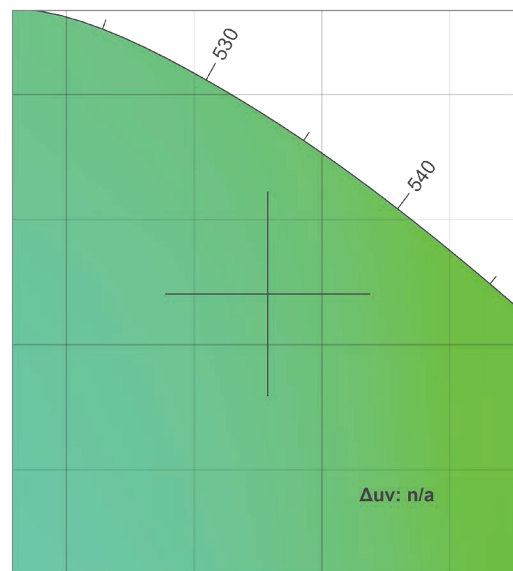


Green Lumen Output : 809 lm

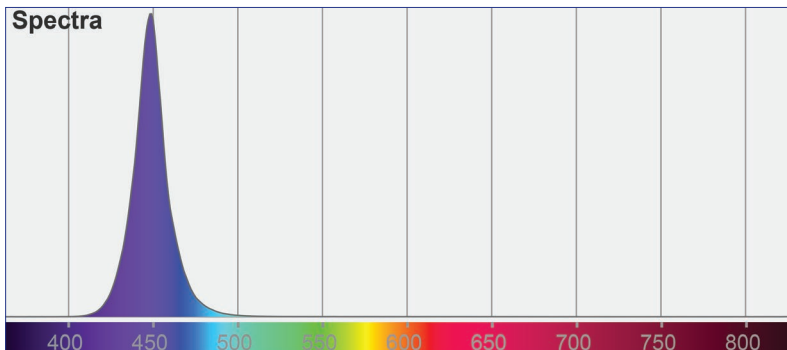
CIE 1931



CIE 1931 Zoom

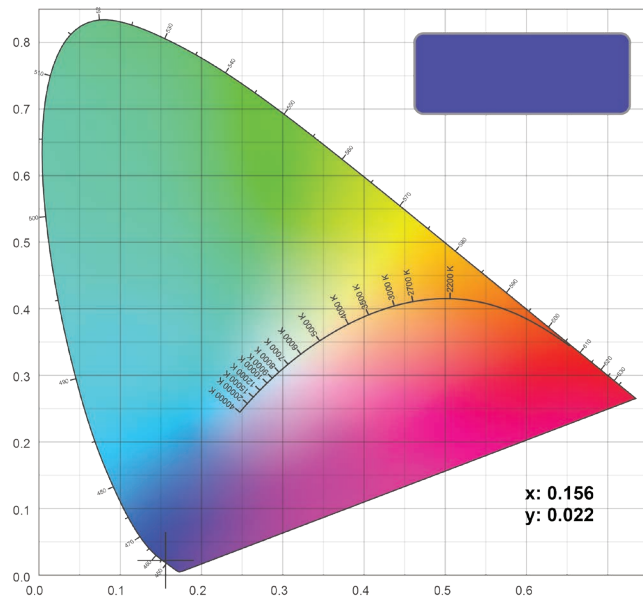


LuxEOS Flood 9 - RGBW (2700K) Colormetrics **BLUE**

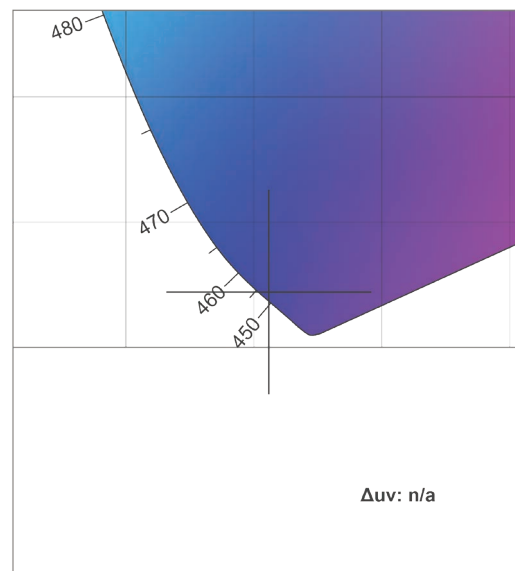


Blue Lumen Output : 178 lm

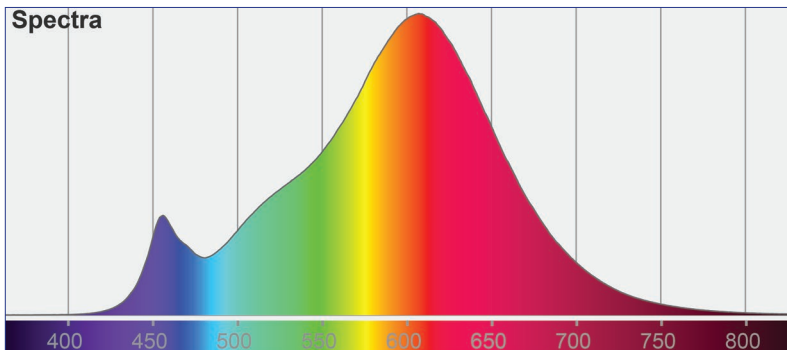
CIE 1931



CIE 1931 Zoom

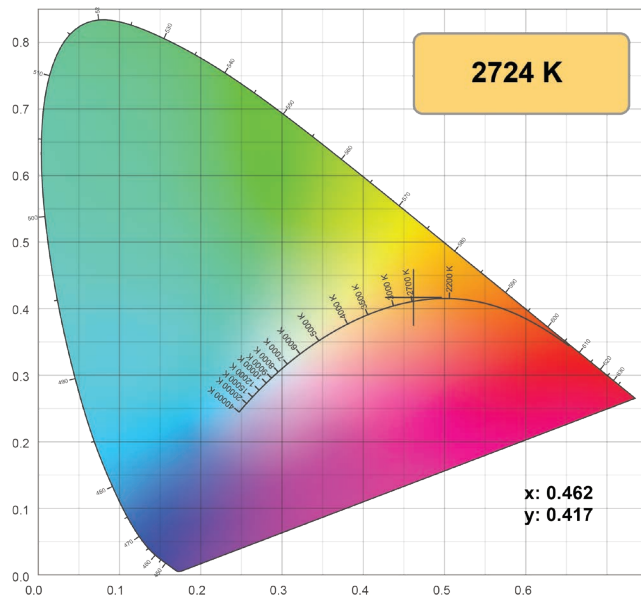


LuxEOS Flood 9 - RGBW (2700K) Colormetrics **White 2700K**

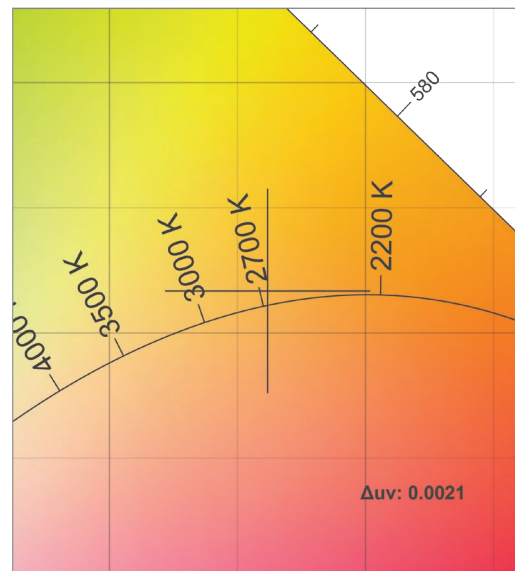


White 2700K Lumen Output : 1146 lm
CRI: 90

CIE 1931



CIE 1931 Zoom



Should further photometric variations be required, please contact our Head Office.

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All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract.

PULSAR

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