

LuxEOS Flood 9 TUNABLE WHITE

LED FLOOD FOR ARCHITECTURAL LIGHTING



LuxEOS Flood 9 - TW (1700-5700K)
10° 20° 40° 80° 10x60° 60x10°

Tested By
DW Windsor Group Laboratory
Hoddesdon
UK

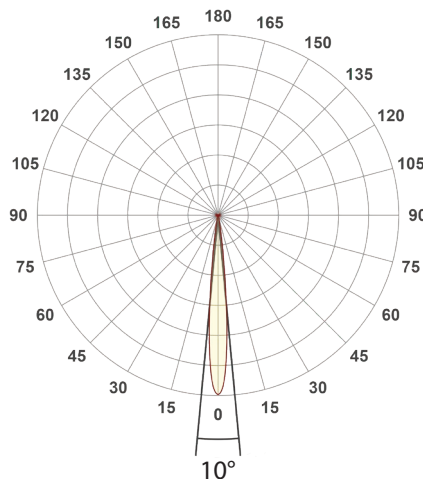
Date
Nov 2020

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

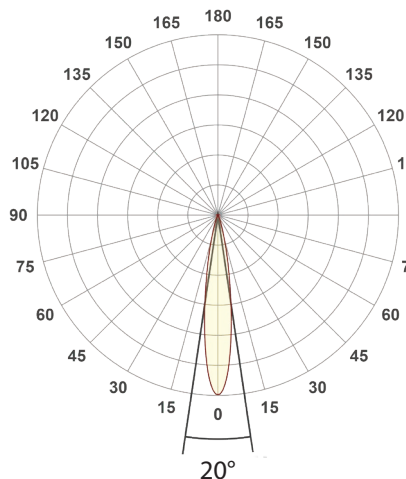
Weight
7.2 kgs (15.9lbs)

Polar Distribution

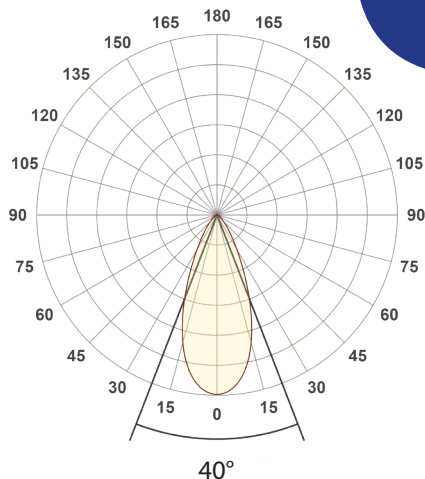
10° Conical Beam (Native)



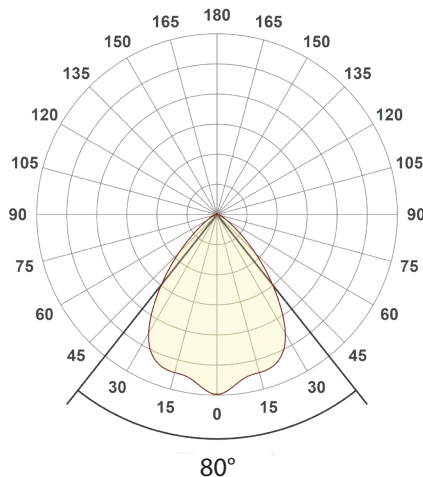
20° Conical Beam (With HBS)



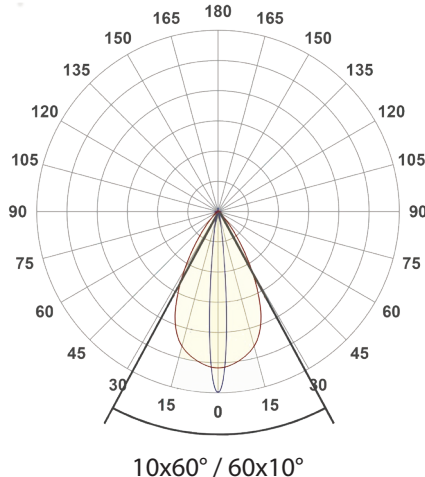
40° Conical Beam (With HBS)



80° Conical Beam (With HBS)

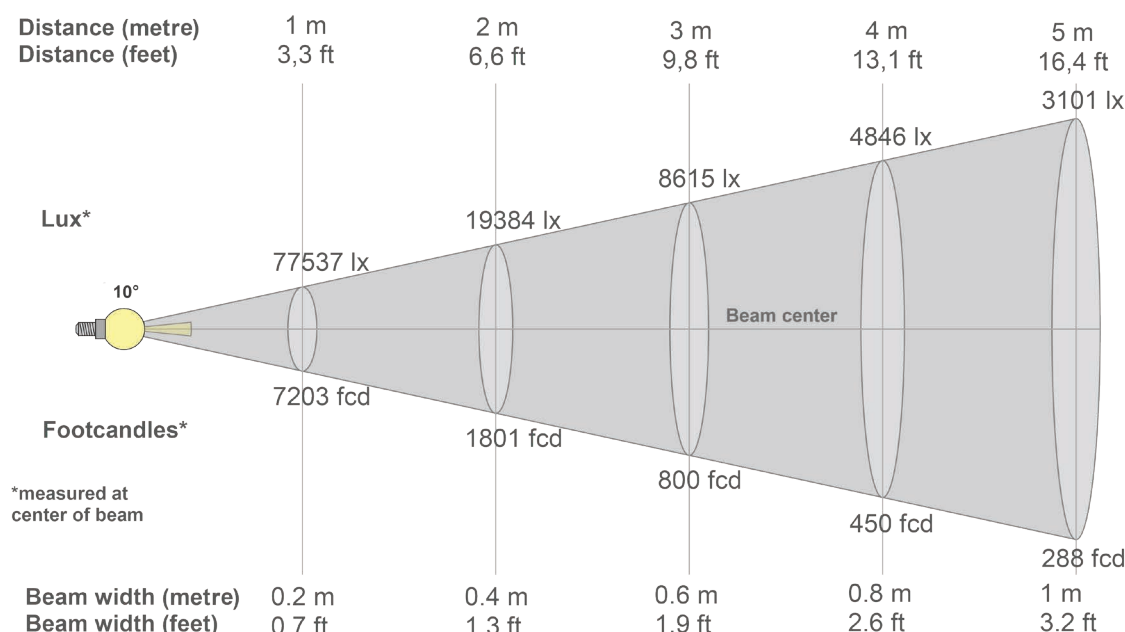


10x60° / 60x10° Elliptical Beam (With HBS)



LuxEOS Flood 9 - TW (1700-5700K)

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 |
| 77537lx | 19384lx | 8615lx | 4846lx | 3101lx | 2154lx | 1582lx | 1212lx | 957lx | 775lx | 641lx | 538lx | 459lx | 396lx | 345lx | 303lx | 268lx | 239lx | 215lx | 194lx |
| 7203.5fc | 1800.9fc | 800.4fc | 450.2fc | 288.1fc | 200.1fc | 147fc | 112.6fc | 88.9fc | 72fc | 59.5fc | 50fc | 42.6fc | 36.8fc | 32fc | 28.1fc | 24.9fc | 22.2fc | 20fc | 18fc |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 77.5K | 76.5K | 73.5K | 68.1K | 59.1K | 46.9K | 34.1K | 23.0K | 14.8K | 9.3K | 6.1K | 4.2K | 3.2K | 2.6K | 2.2K | 1.8K | 1.5K | 1.2K | 1.0K | 0.9K |
| 100% | 99% | 95% | 88% | 76% | 61% | 44% | 30% | 19% | 12% | 8% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 77.5K | 76.5K | 73.5K | 68.1K | 59.1K | 46.9K | 34.1K | 23.0K | 14.8K | 9.3K | 6.1K | 4.2K | 3.2K | 2.6K | 2.2K | 1.8K | 1.5K | 1.2K | 1.0K | 0.9K |
| 100% | 99% | 95% | 88% | 76% | 61% | 44% | 30% | 19% | 12% | 8% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 77.5K | 76.5K | 73.5K | 68.1K | 59.1K | 46.9K | 34.1K | 23.0K | 14.8K | 9.3K | 6.1K | 4.2K | 3.2K | 2.6K | 2.2K | 1.8K | 1.5K | 1.2K | 1.0K | 0.9K |
| 100% | 99% | 95% | 88% | 76% | 61% | 44% | 30% | 19% | 12% | 8% | 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 77.5K | 76.5K | 73.5K | 68.1K | 59.1K | 46.9K | 34.1K | 23.0K | 14.8K | 9.3K | 6.1K | 4.2K | 3.2K | 2.6K | 2.2K | 1.8K | 1.5K | 1.2K | 1.0K | 0.9K |
| 100% | 99% | 95% | 88% | 76% | 61% | 44% | 30% | 19% | 12% | 8% | 5% | 4% | 3% | 3% | 2% | 2% | 2% | 1% | 1% |

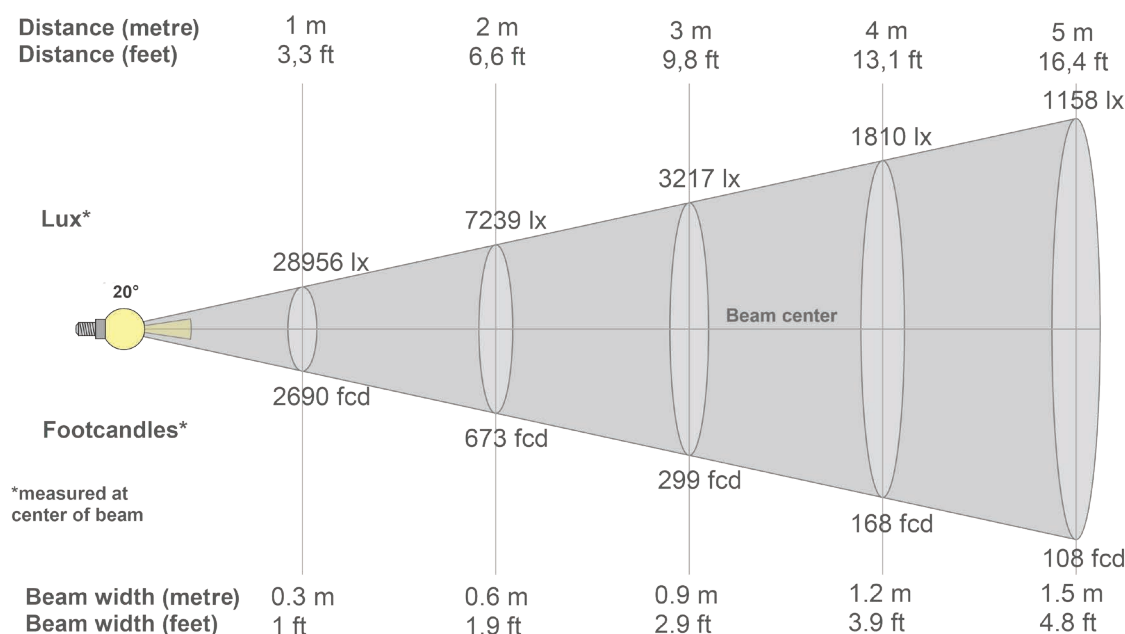
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 11.3° | 18.8° | 29.4° | 97.5% | 96.0% |

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LuxEOS Flood 9 - TW (1700-5700K)

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 |
| 28956lx | 7239lx | 3217lx | 1810lx | 1158lx | 804lx | 591lx | 452lx | 357lx | 290lx | 239lx | 201lx | 171lx | 148lx | 129lx | 113lx | 100lx | 89lx | 80lx | 72lx |
| 2690.1fc | 672.5fc | 298.9fc | 168.1fc | 107.6fc | 74.7fc | 54.9fc | 42fc | 33.2fc | 26.9fc | 22.2fc | 18.7fc | 15.9fc | 13.7fc | 12fc | 10.5fc | 9.3fc | 8.3fc | 7.5fc | 6.7fc |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 29.0K | 28.7K | 27.8K | 26.5K | 24.6K | 22.5K | 20.1K | 17.7K | 15.4K | 13.1K | 11.0K | 9.1K | 7.5K | 6.1K | 5.0K | 4.0K | 3.2K | 2.6K | 2.1K | 1.7K |
| 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 29.0K | 28.7K | 27.8K | 26.5K | 24.6K | 22.5K | 20.1K | 17.7K | 15.4K | 13.1K | 11.0K | 9.1K | 7.5K | 6.1K | 5.0K | 4.0K | 3.2K | 2.6K | 2.1K | 1.7K |
| 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 29.0K | 28.7K | 27.8K | 26.5K | 24.6K | 22.5K | 20.1K | 17.7K | 15.4K | 13.1K | 11.0K | 9.1K | 7.5K | 6.1K | 5.0K | 4.0K | 3.2K | 2.6K | 2.1K | 1.7K |
| 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 29.0K | 28.7K | 27.8K | 26.5K | 24.6K | 22.5K | 20.1K | 17.7K | 15.4K | 13.1K | 11.0K | 9.1K | 7.5K | 6.1K | 5.0K | 4.0K | 3.2K | 2.6K | 2.1K | 1.7K |
| 100% | 99% | 96% | 91% | 85% | 78% | 70% | 61% | 53% | 45% | 38% | 32% | 26% | 21% | 17% | 14% | 11% | 9% | 7% | 6% |

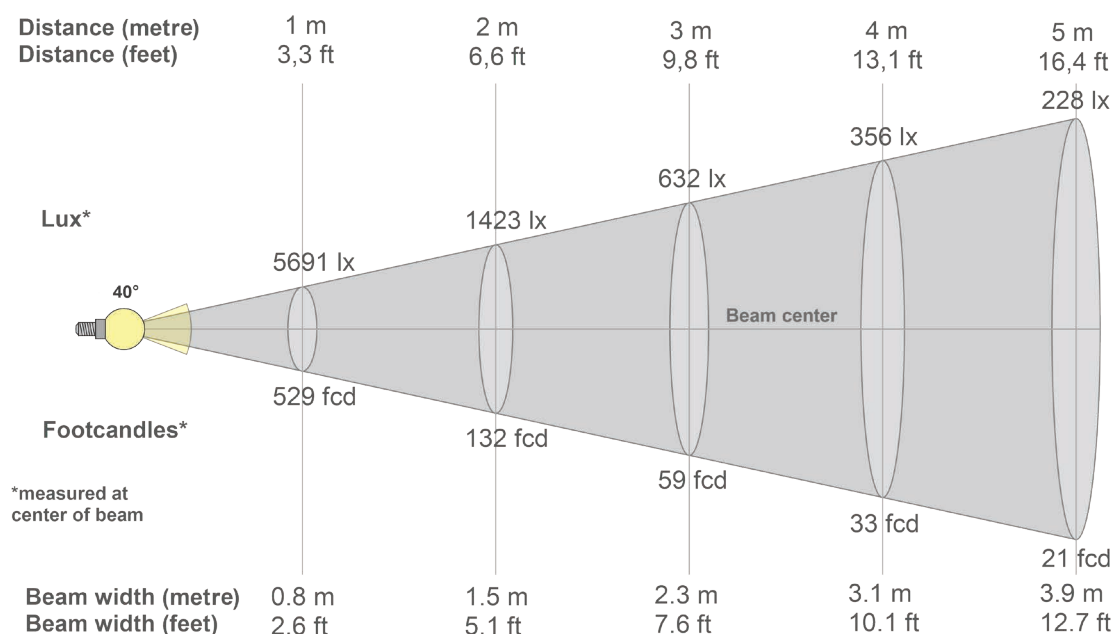
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 16.8° | 33.1° | 47.6° | 97.0% | 94.9% |

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LuxEOS Flood 9 - TW (1700-5700K)

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 |
| 5691lx | 1423lx | 632lx | 356lx | 228lx | 158lx | 116lx | 89lx | 70lx | 57lx | 47lx | 40lx | 34lx | 29lx | 25lx | 22lx | 20lx | 18lx | 16lx | 14lx |
| 528.7fcd | 132.2fcd | 58.7fcd | 33fcd | 21.1fcd | 14.7fcd | 10.8fcd | 8.3fcd | 6.5fcd | 5.3fcd | 4.4fcd | 3.7fcd | 3.1fcd | 2.7fcd | 2.3fcd | 2.1fcd | 1.8fcd | 1.6fcd | 1.5fcd | 1.3fcd |

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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
| 5691 | 5668 | 5590 | 5461 | 5276 | 5034 | 4736 | 4383 | 3985 | 3553 | 3103 | 2657 | 2236 | 1857 | 1532 | 1261 | 1039 | 858 | 709 | 586 |
| 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
| 5691 | 5668 | 5590 | 5461 | 5276 | 5034 | 4736 | 4383 | 3985 | 3553 | 3103 | 2657 | 2236 | 1857 | 1532 | 1261 | 1039 | 858 | 709 | 586 |
| 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
| 5691 | 5668 | 5590 | 5461 | 5276 | 5034 | 4736 | 4383 | 3985 | 3553 | 3103 | 2657 | 2236 | 1857 | 1532 | 1261 | 1039 | 858 | 709 | 586 |
| 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° |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|
| 5691 | 5668 | 5590 | 5461 | 5276 | 5034 | 4736 | 4383 | 3985 | 3553 | 3103 | 2657 | 2236 | 1857 | 1532 | 1261 | 1039 | 858 | 709 | 586 |
| 100% | 100% | 98% | 96% | 93% | 88% | 83% | 77% | 70% | 62% | 55% | 47% | 39% | 33% | 27% | 22% | 18% | 15% | 12% | 10% |

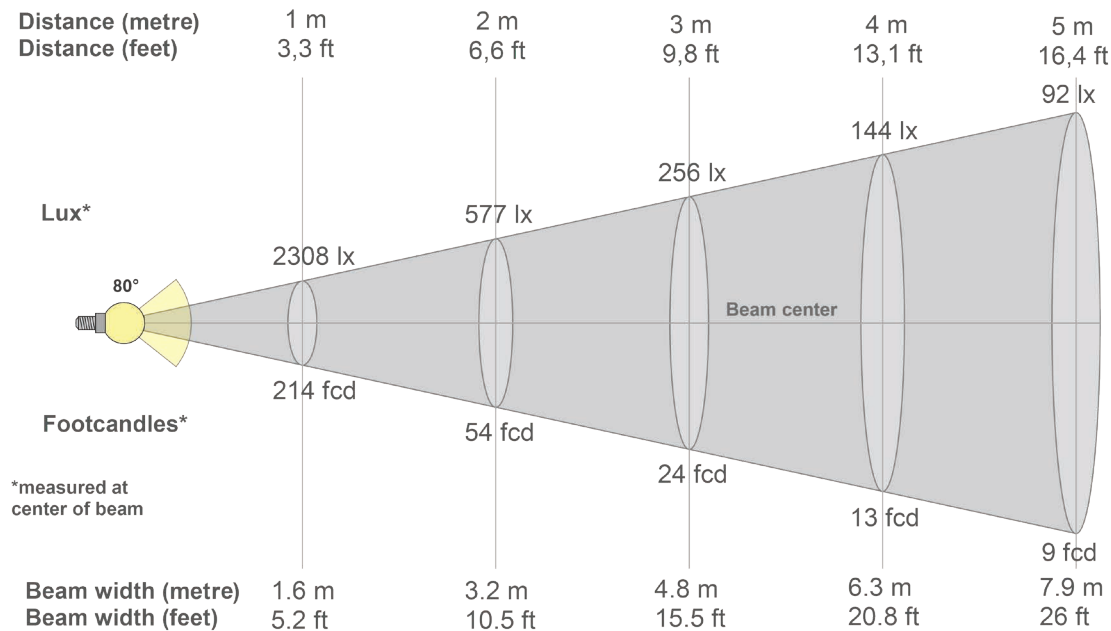
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 42.3° | 76.6° | 105.5° | 96.7% | 90.9% |

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LuxEOS Flood 9 - TW (1700-5700K)

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 |
| 2308lx | 577lx | 256lx | 144lx | 92lx | 64lx | 47lx | 36lx | 28lx | 23lx | 19lx | 16lx | 14lx | 12lx | 10lx | 9lx | 8lx | 7lx | 6lx | 6lx |
| 214.5fcd | 53.6fcd | 23.8fcd | 13.4fcd | 8.6fcd | 6fcd | 4.4fcd | 3.4fcd | 2.6fcd | 2.1fcd | 1.8fcd | 1.5fcd | 1.3fcd | 1.1fcd | 1fcd | 0.8fcd | 0.7fcd | 0.7fcd | 0.6fcd | 0.5fcd |

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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2308 | 2232 | 2127 | 2104 | 2082 | 1983 | 1761 | 1413 | 1035 | 691 | 417 | 241 | 144 | 91 | 59 | 36 | 18 | 5 | 1 | 1 |
| 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2308 | 2232 | 2127 | 2104 | 2082 | 1983 | 1761 | 1413 | 1035 | 691 | 417 | 241 | 144 | 91 | 59 | 36 | 18 | 5 | 1 | 1 |
| 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2308 | 2232 | 2127 | 2104 | 2082 | 1983 | 1761 | 1413 | 1035 | 691 | 417 | 241 | 144 | 91 | 59 | 36 | 18 | 5 | 1 | 1 |
| 100% | 97% | 92% | 91% | 90% | 86% | 76% | 61% | 45% | 30% | 18% | 10% | 6% | 4% | 3% | 2% | 1% | 0% | 0% | 0% |

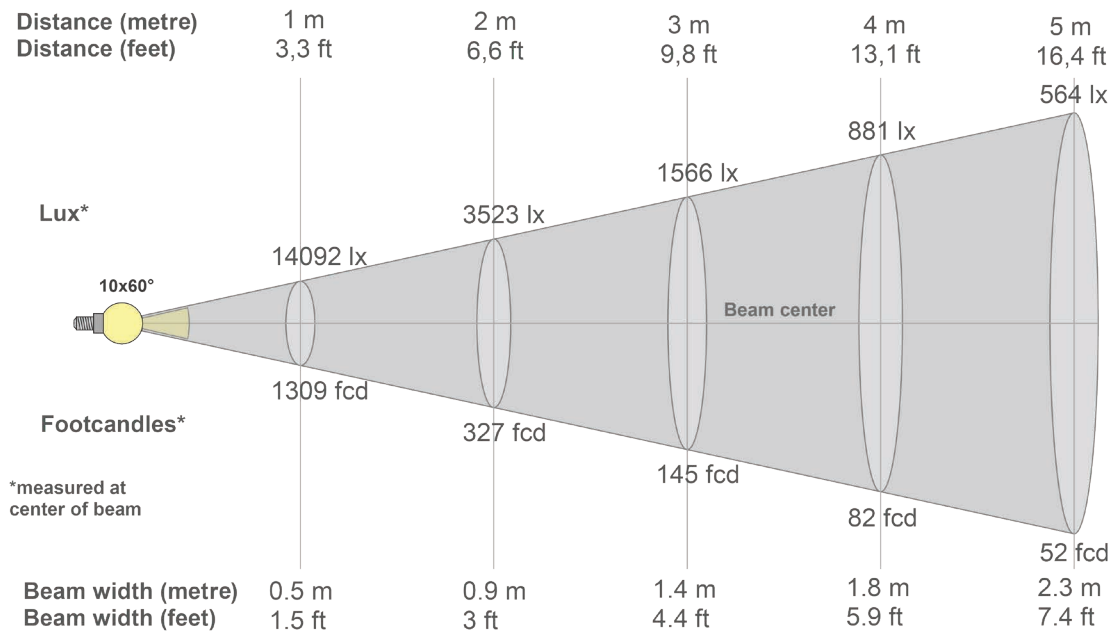
Intensities in 270° c-plane

| 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2308 | 2232 | 2127 | 2104 | 2082 | 1983 | 1761 | 1413 | 1035 | 691 | 417 | 241 | 144 | 91 | 59 | 36 | 18 | 5 | 1 | 1 |
| 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 - TW (1700-5700K)

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 |
| 14092lx | 3523lx | 1566lx | 881lx | 564lx | 391lx | 288lx | 220lx | 174lx | 141lx | 116lx | 98lx | 83lx | 72lx | 63lx | 55lx | 49lx | 43lx | 39lx | 35lx |
| 1309.2fc | 327.3fc | 145.5fc | 81.8fc | 52.4fc | 36.4fc | 26.7fc | 20.5fc | 16.2fc | 13.1fc | 10.8fc | 9.1fc | 7.7fc | 6.7fc | 5.8fc | 5.1fc | 4.5fc | 4fc | 3.6fc | 3.3fc |

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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 14.1K | 13.2K | 13.1K | 13.0K | 12.8K | 12.5K | 12.3K | 12.0K | 11.6K | 11.1K | 10.5K | 9.7K | 8.8K | 7.8K | 6.7K | 5.7K | 4.7K | 3.7K | 2.9K | 2.2K |
| 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° |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.1K | 13.9K | 10.3K | 6.2K | 3.4K | 2.0K | 1.3K | 1.0K | 0.7K | 0.5K | 0.4K | 0.3K | 0.2K | 0.2K | 0.1K | 0.1K | 0.1K | 0.1K | 0.1K | 0.1K |
| 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° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 14.1K | 13.2K | 13.1K | 13.0K | 12.8K | 12.5K | 12.3K | 12.0K | 11.6K | 11.1K | 10.5K | 9.7K | 8.8K | 7.8K | 6.7K | 5.7K | 4.7K | 3.7K | 2.9K | 2.2K |
| 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° |
|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.1K | 13.9K | 10.3K | 6.2K | 3.4K | 2.0K | 1.3K | 1.0K | 0.7K | 0.5K | 0.4K | 0.3K | 0.2K | 0.2K | 0.1K | 0.1K | 0.1K | 0.1K | 0.1K | 0.1K |
| 100% | 99% | 73% | 44% | 24% | 14% | 9% | 7% | 5% | 3% | 3% | 2% | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% |

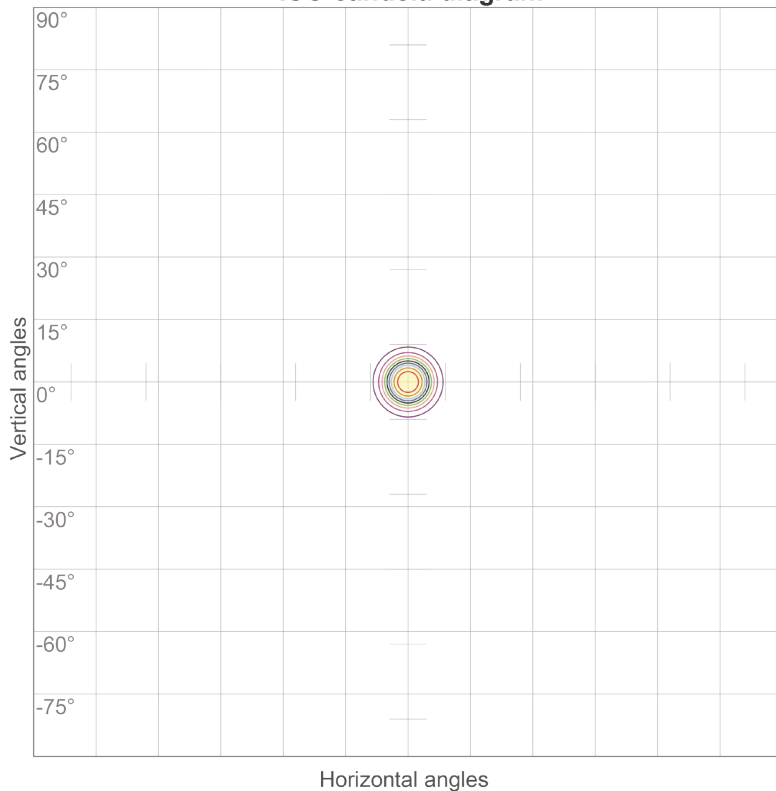
| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 25.5° | 45.7° | 66.1° | 97.5% | 94.0% |

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



ISO candela diagram



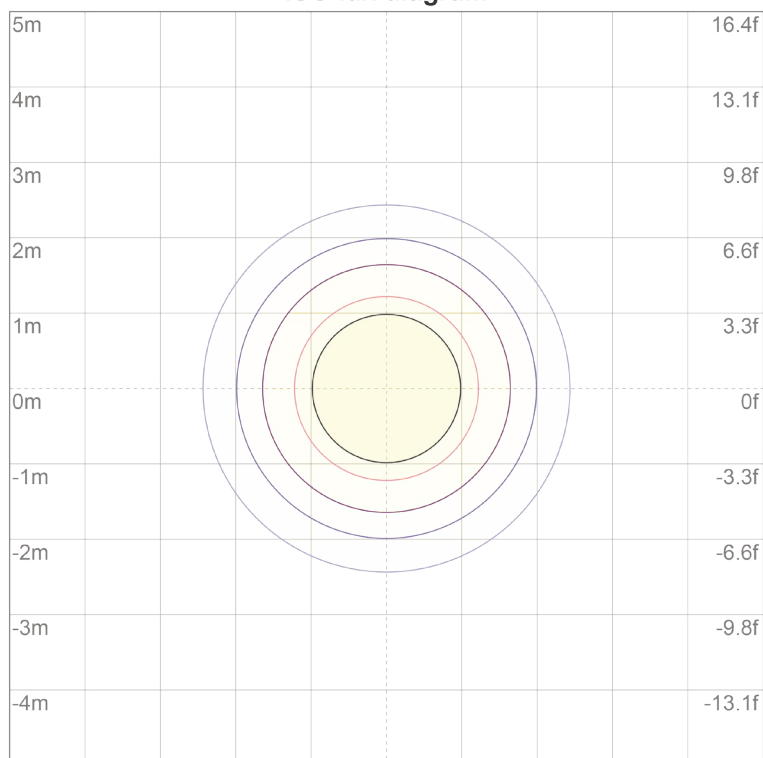
| | |
|-----|----------|
| 10% | 7754 cd |
| 20% | 15507 cd |
| 30% | 23261 cd |
| 40% | 31015 cd |
| 50% | 38769 cd |
| 60% | 46522 cd |
| 70% | 54276 cd |
| 80% | 62030 cd |
| 90% | 69784 cd |

Conditions:

Number of c-planes: 72

Candela at center: 77537 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 23.3 lx |
| 5% | 38.8 lx |
| 10% | 77.5 lx |
| 30% | 233 lx |
| 50% | 388 lx |

Conditions:

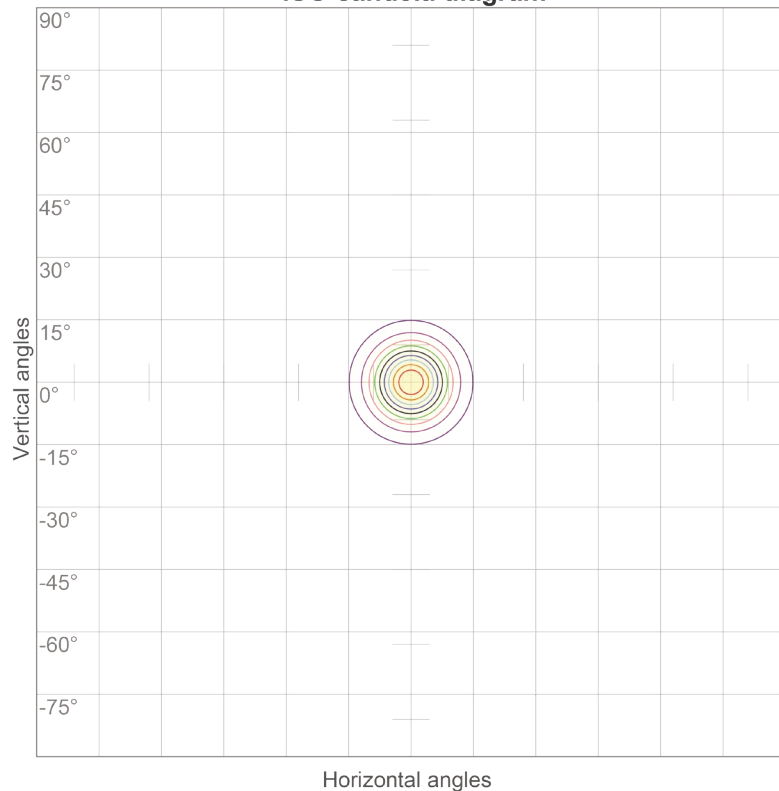
Number of c-planes: 72

Lux at center: 775 lx

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



ISO candela diagram



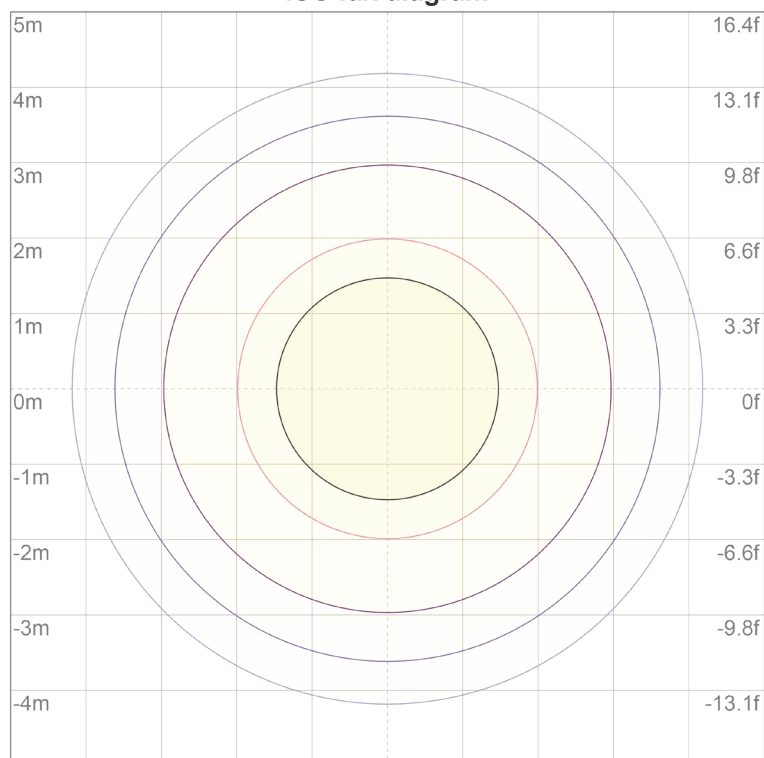
| | |
|-----|----------|
| 10% | 2896 cd |
| 20% | 5791 cd |
| 30% | 8687 cd |
| 40% | 11582 cd |
| 50% | 14478 cd |
| 60% | 17374 cd |
| 70% | 20269 cd |
| 80% | 23165 cd |
| 90% | 26060 cd |

Conditions:

Number of c-planes: 72

Candela at center: 28956 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 8.69 lx |
| 5% | 14.5 lx |
| 10% | 29.0 lx |
| 30% | 86.9 lx |
| 50% | 145 lx |

Conditions:

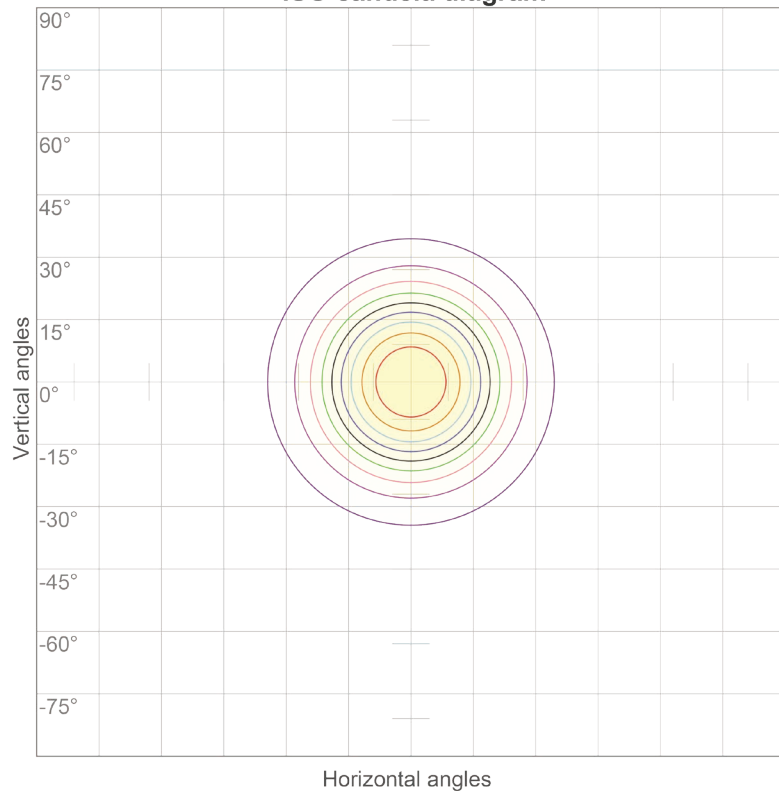
Number of c-planes: 72

Lux at center: 290 lx

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



ISO candela diagram



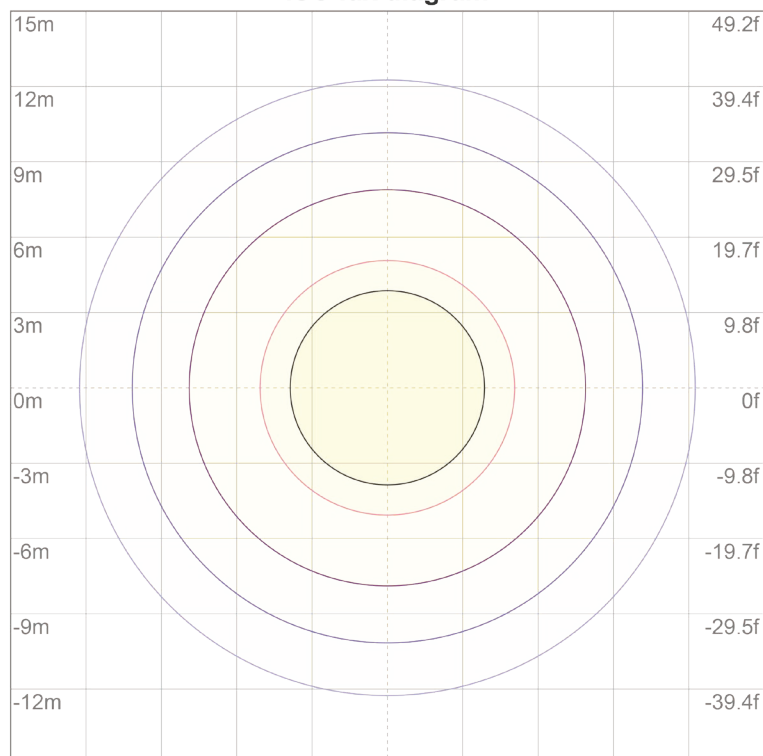
| | |
|-----|---------|
| 10% | 569 cd |
| 20% | 1138 cd |
| 30% | 1707 cd |
| 40% | 2276 cd |
| 50% | 2845 cd |
| 60% | 3414 cd |
| 70% | 3983 cd |
| 80% | 4552 cd |
| 90% | 5122 cd |

Conditions:

Number of c-planes: 72

Candela at center: 5691 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 1.71 lx |
| 5% | 2.85 lx |
| 10% | 5.69 lx |
| 30% | 17.1 lx |
| 50% | 28.5 lx |

Conditions:

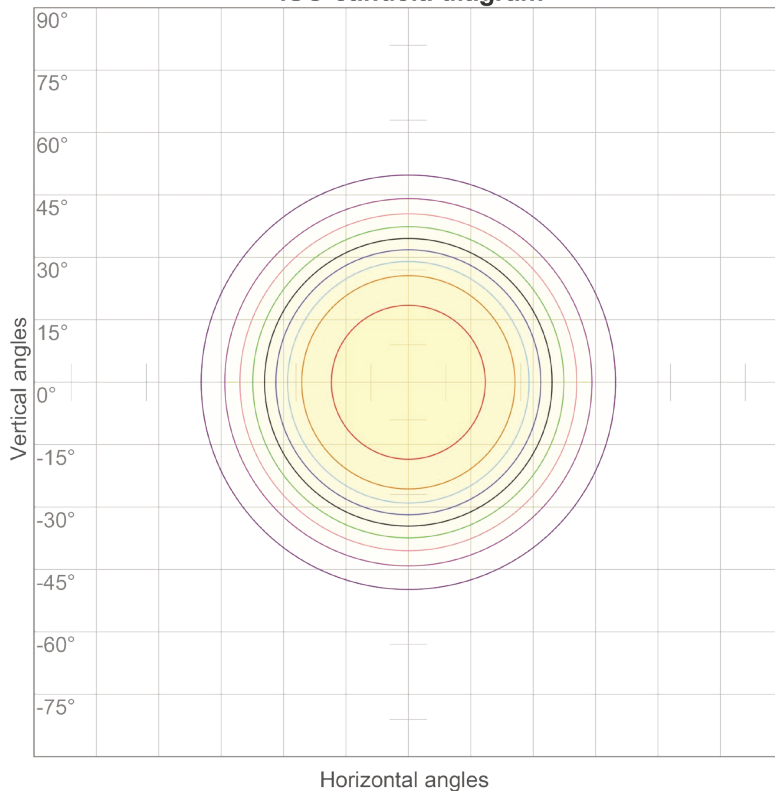
Number of c-planes: 72

Lux at center: 56.9 lx

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



ISO candela diagram



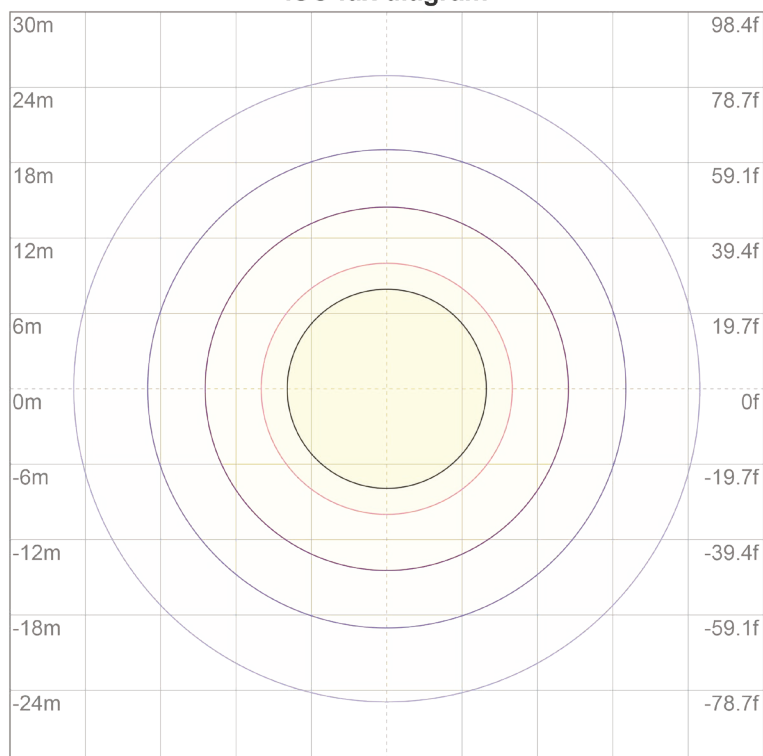
| | |
|-----|---------|
| 10% | 231 cd |
| 20% | 462 cd |
| 30% | 693 cd |
| 40% | 923 cd |
| 50% | 1154 cd |
| 60% | 1385 cd |
| 70% | 1616 cd |
| 80% | 1847 cd |
| 90% | 2078 cd |

Conditions:

Number of c-planes: 72

Candela at center: 2308 cd

ISO lux diagram



| | |
|-----|----------|
| 3% | 0.693 lx |
| 5% | 1.15 lx |
| 10% | 2.31 lx |
| 30% | 6.93 lx |
| 50% | 11.5 lx |

Conditions:

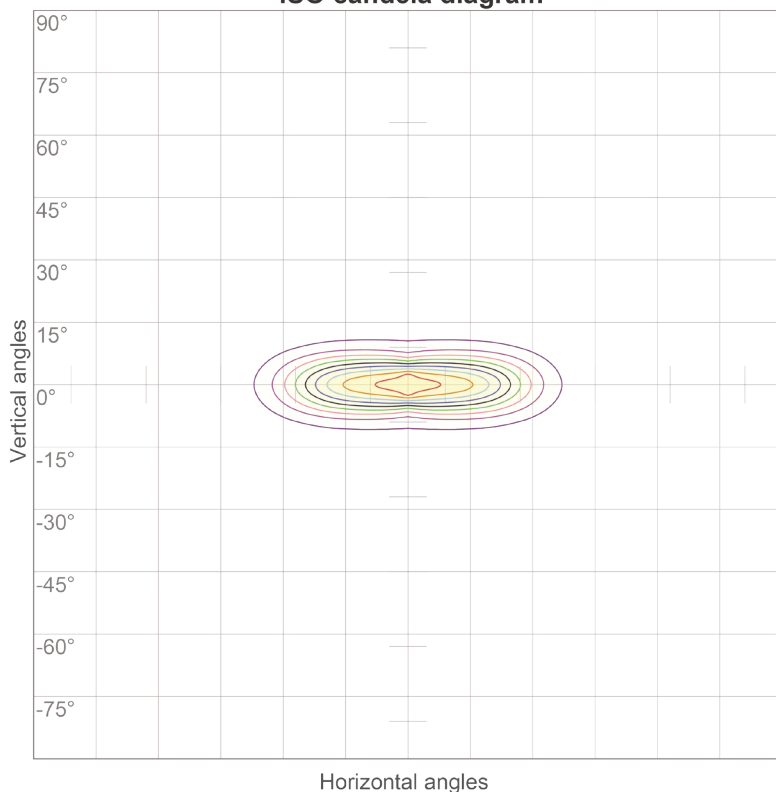
Number of c-planes: 72

Lux at center: 23.1 lx

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



ISO candela diagram



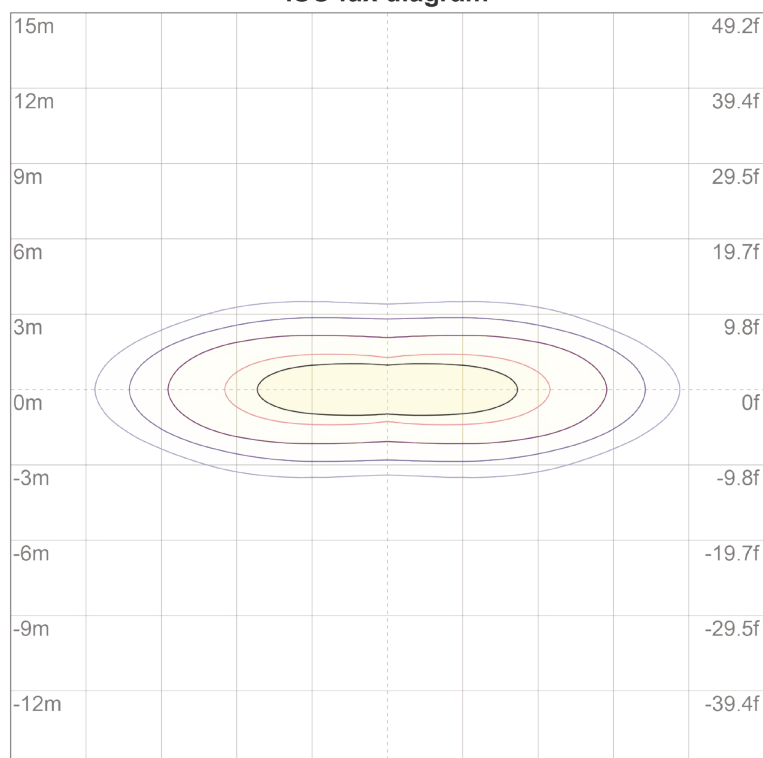
| | |
|-----|----------|
| 10% | 1409 cd |
| 20% | 2818 cd |
| 30% | 4228 cd |
| 40% | 5637 cd |
| 50% | 7046 cd |
| 60% | 8455 cd |
| 70% | 9864 cd |
| 80% | 11274 cd |
| 90% | 12683 cd |

Conditions:

Number of c-planes: 72

Candela at center: 14092 cd

ISO lux diagram



| | |
|-----|---------|
| 3% | 4.23 lx |
| 5% | 7.05 lx |
| 10% | 14.1 lx |
| 30% | 42.3 lx |
| 50% | 70.5 lx |

Conditions:

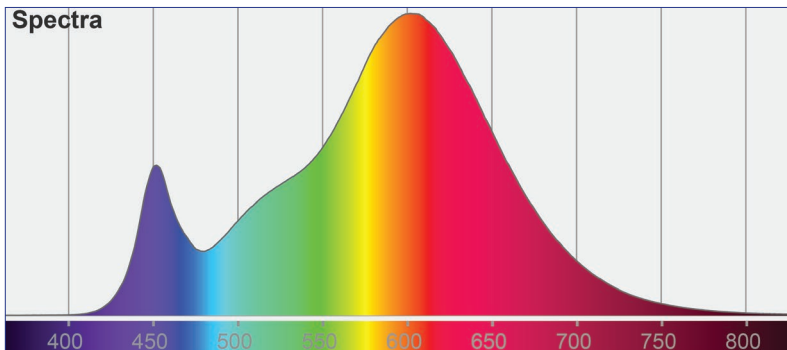
Number of c-planes: 72

Lux at center: 141 lx

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

LuxEOS Flood 9 - TW (1700-5700K)

Colormetrics **1700K, 2700K, 5700K** (All channels on)



Total Lumen Output (Native) : 3773 lm

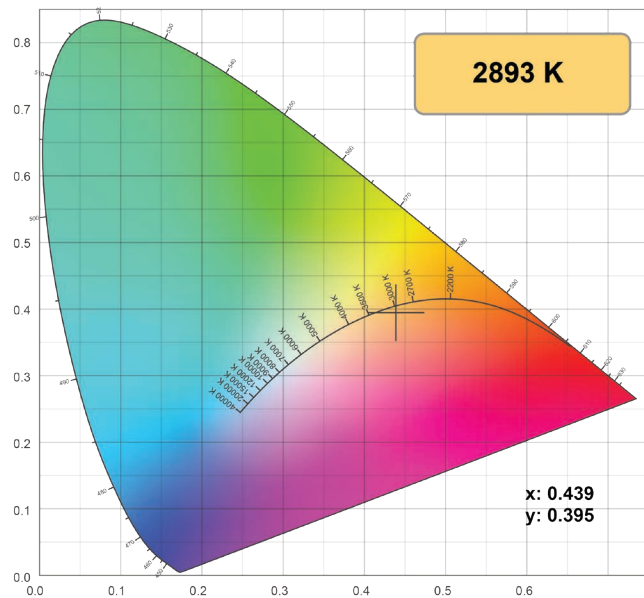
Efficacy : 63 lm/W

Voltage : 240V

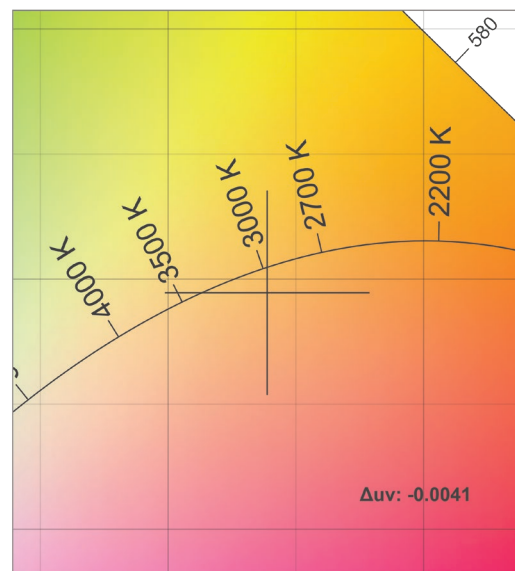
Supply Power : 60W

Supply Power Factor : 0.97

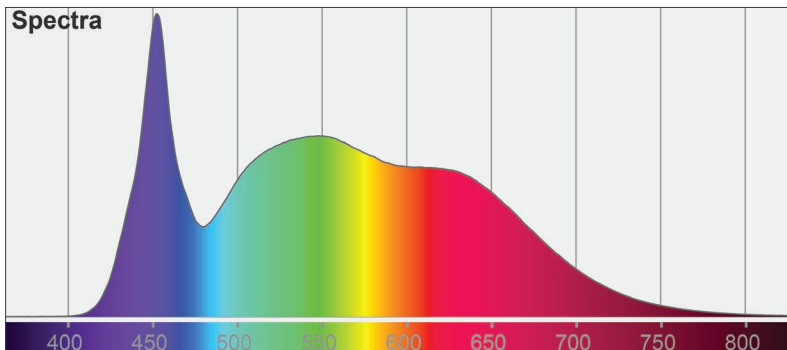
CIE 1931



CIE 1931 Zoom

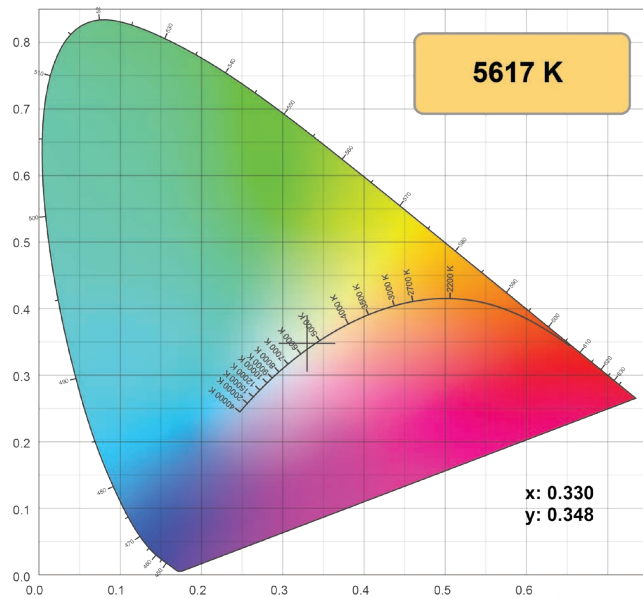


LuxEOS Flood 9 - TW (1700-5700K) Colormetrics **5700K**

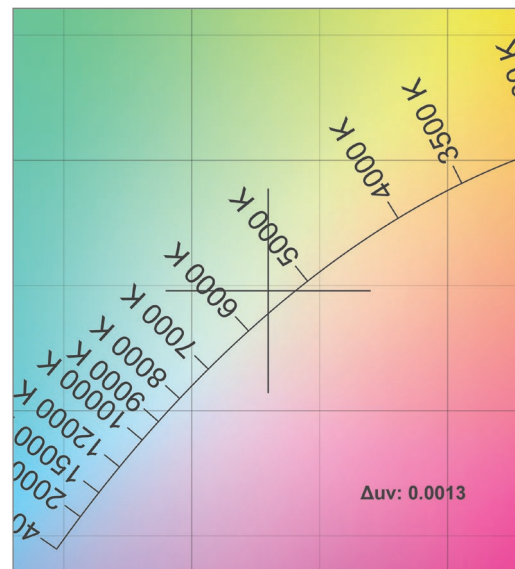


White 5700K Lumen Output : 1727 lm
CRI: 90

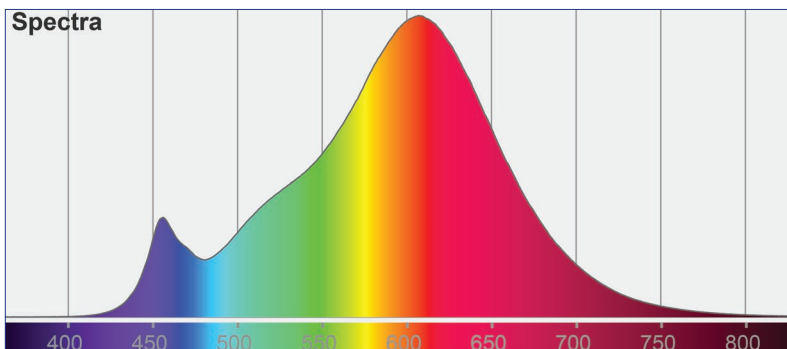
CIE 1931



CIE 1931 Zoom

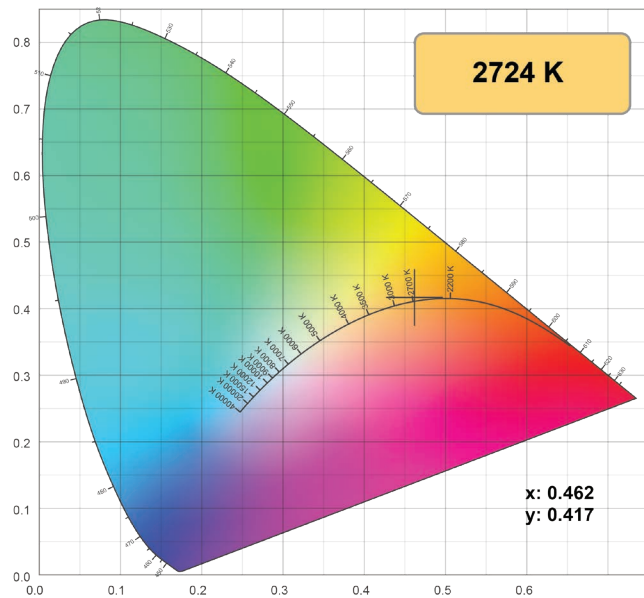


LuxEOS Flood 9 - TW (1700-5700K) Colormetrics **2700K**

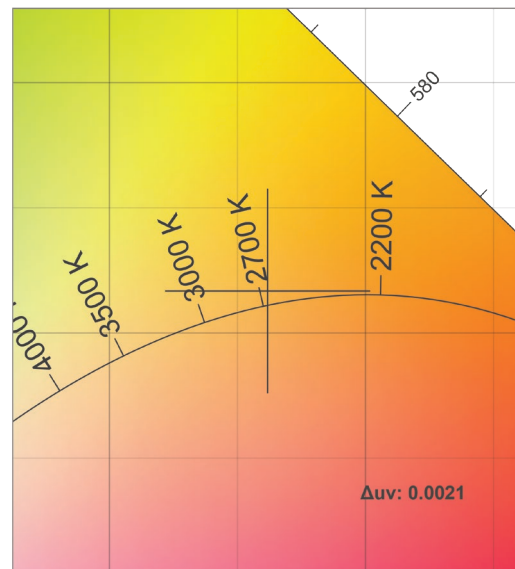


White 2700K Lumen Output : 2295 lm
CRI: 80

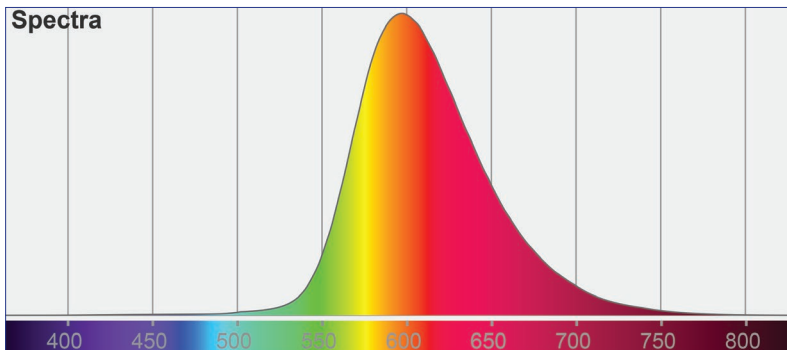
CIE 1931



CIE 1931 Zoom

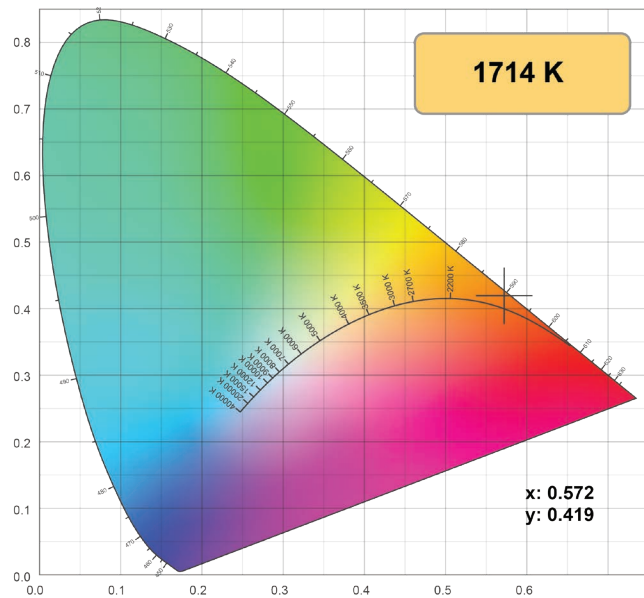


LuxEOS Flood 9 - TW (1700-5700K) Colormetrics **1700K**

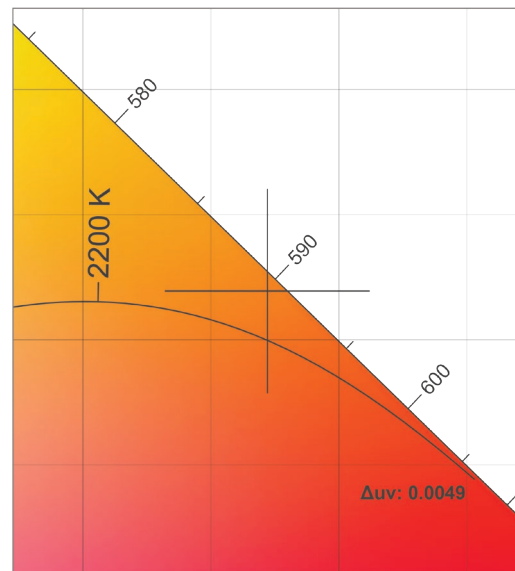


Amber 1700K Lumen Output : 1089 lm

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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