

Light efficiency:

**102 Lumen/Watt**

Light quality:

**CRI: 96,7**

Color temperature:

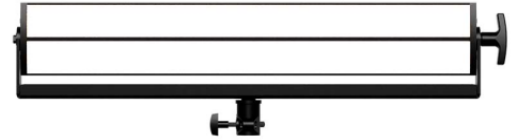
**4300 K**

**Output: 4647 lm**

**Peak: 2594 cd**

**Power: 45,4 W**

**PF: 0,82**



Tracking number: [{TRACK\\_NUM}](#)

Product name:

**Reflect Bi-Color 2 - Foot 2 - Bank 4300K  
No diff**

Item number:

Date and time:

**27/01/2022 14.02.00**

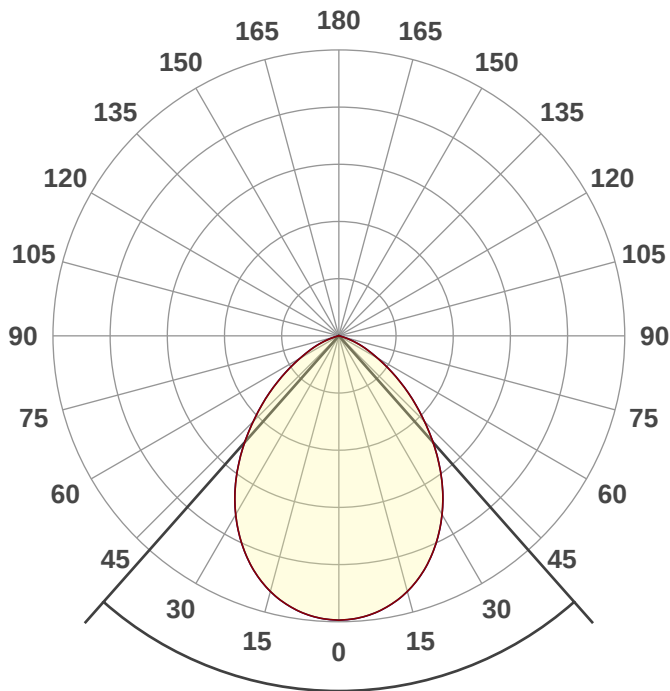
Description:

**Measured in 12 planes**

**Maasured by Karsten Lindorff**

**2 - Foot 2 - Bank 4300K**

**No - Diffusor**



Beam angle

**83°**

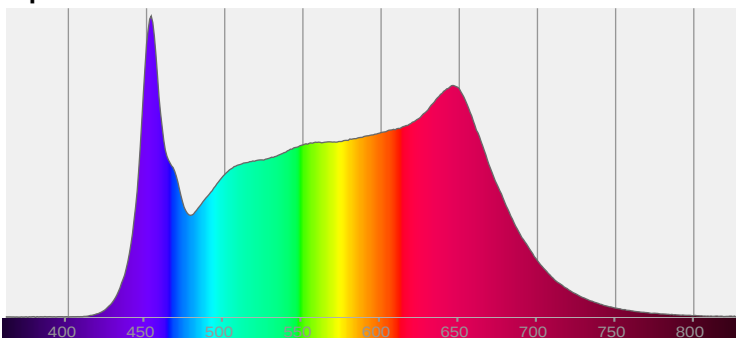


CIE 1931

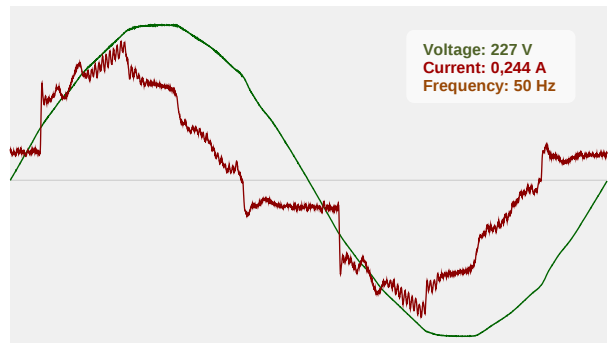
x: 0,368

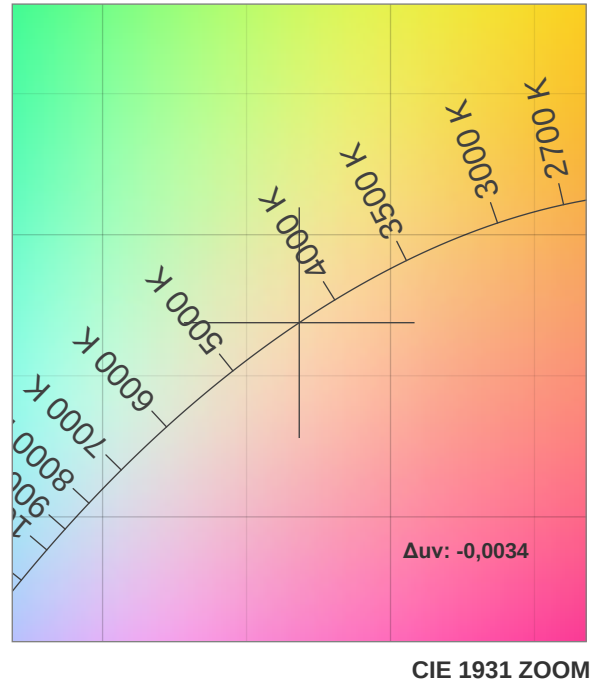
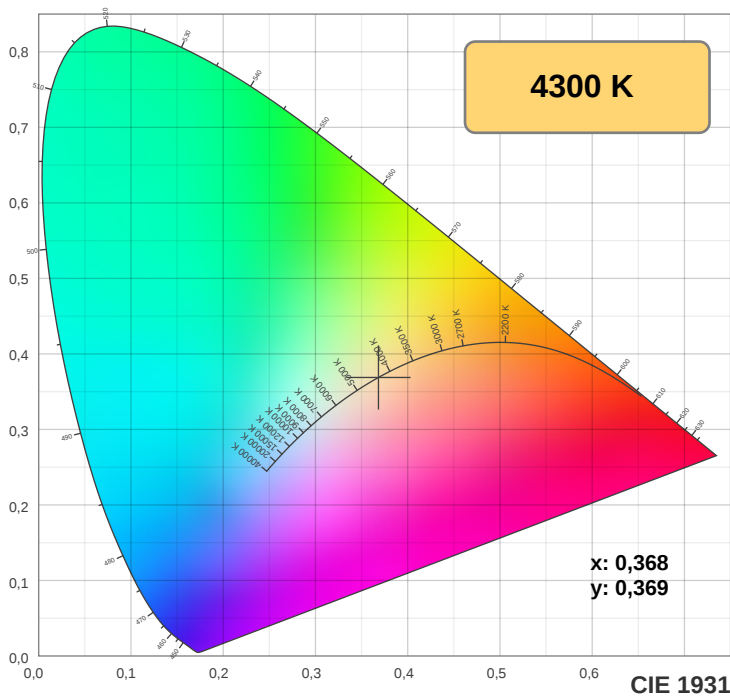
y: 0,369

Spectra

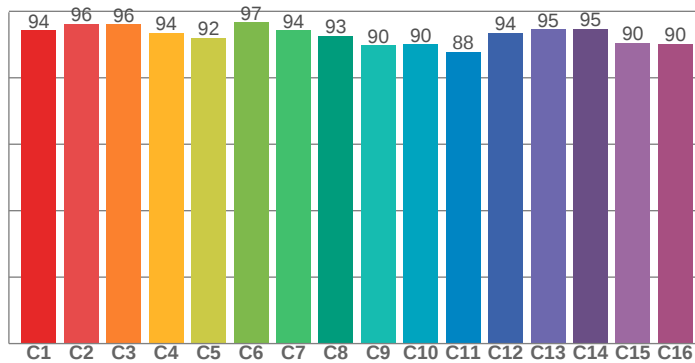


Power

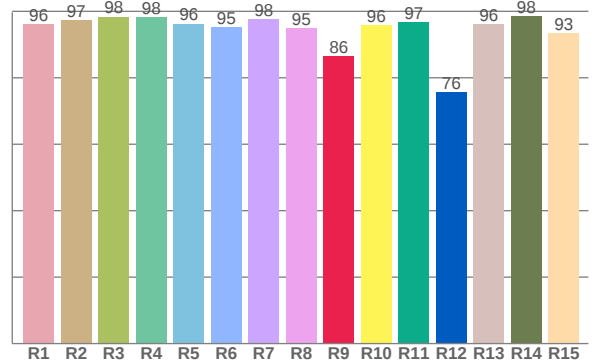




**TM-30: 92,7**



**CRI: 96,7 (R1-R8)**



CRI R values, only R1-R8 are used to calculate final CRI value

| R1   | R2   | R3   | R4   | R5   | R6   | R7   | R8   | R9   | R10  | R11  | R12  | R13  | R14  | R15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,1 | 97,3 | 98,4 | 98,2 | 96,3 | 95,2 | 97,6 | 95,0 | 86,4 | 95,8 | 96,8 | 75,7 | 96,2 | 98,5 | 93,5 |

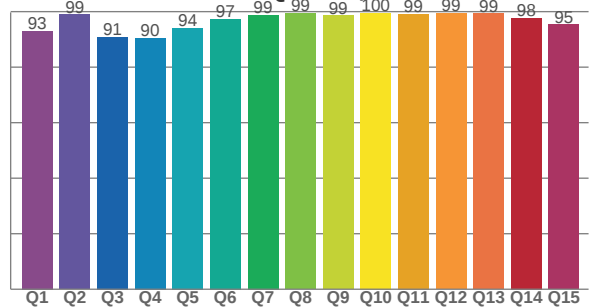
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,3 | 96,2 | 96,1 | 93,5 | 92,1 | 96,7 | 94,2 | 92,6 | 89,7 | 90,0 | 87,9 | 93,5 | 94,6 | 94,7 | 90,5 | 90,3 |

CQS Q values

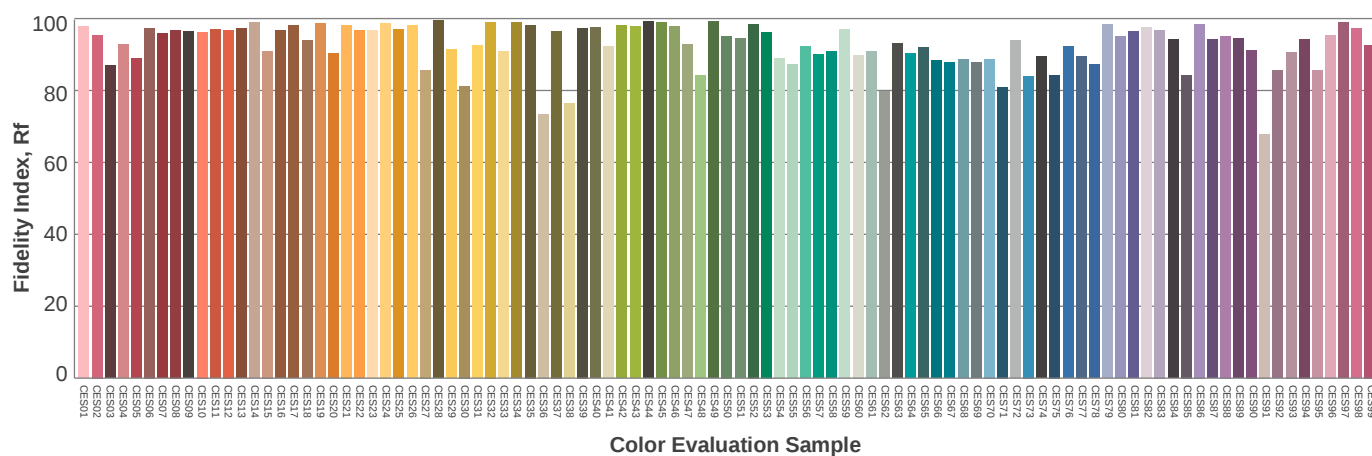
| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,0 | 99,0 | 90,9 | 90,5 | 94,1 | 97,4 | 98,7 | 99,4 | 98,6 | 99,5 | 99,1 | 99,4 | 99,3 | 97,6 | 95,3 |

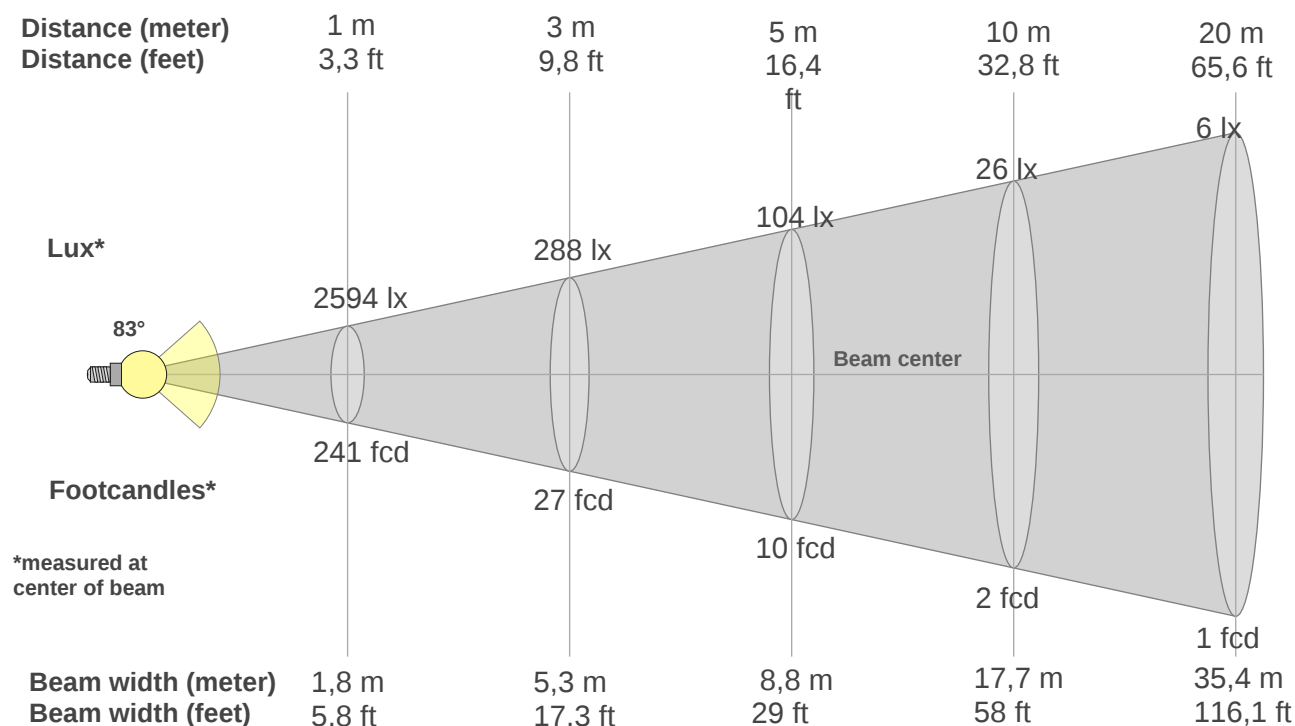
**CQS: 95,5**



## Color parameters

| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Color coordinate cie 1931 | Color coordinate cie 1931 | Color coordinate | Color coordinate | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|------------------|------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | x                         | y                         | u                | v                | $\Delta uv$                     |
| 4300 K            | 96,7                  | 86,4          | 92,7           | 100,8       | 95,5                | 0,368                     | 0,369                     | 0,220            | 0,331            | -0,0034                         |




**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 |
| 2594lx  | 648lx   | 288lx   | 162lx   | 104lx  | 72lx   | 53lx   | 41lx   | 32lx   | 26lx   | 21lx   | 18lx   | 15lx   | 13lx   | 12lx   | 10lx   | 9lx    | 8lx    | 7lx    | 6lx    |
| 240,9fc | 60,2fcd | 26,8fcd | 15,1fcd | 9,6fcd | 6,7fcd | 4,9fcd | 3,8fcd | 3fcd   | 2,4fcd | 2fcd   | 1,7fcd | 1,4fcd | 1,2fcd | 1,1fcd | 0,9fcd | 0,8fcd | 0,7fcd | 0,7fcd | 0,6fcd |

**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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2594 | 2573 | 2513 | 2414 | 2274 | 2094 | 1883 | 1643 | 1378 | 1105 | 850 | 613 | 409 | 258 | 127 | 34  | 14  | 8   | 4   | 4   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 63%  | 53%  | 43%  | 33% | 24% | 16% | 10% | 5%  | 1%  | 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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2594 | 2573 | 2513 | 2414 | 2274 | 2094 | 1883 | 1643 | 1378 | 1105 | 850 | 613 | 409 | 258 | 127 | 34  | 14  | 8   | 4   | 4   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 63%  | 53%  | 43%  | 33% | 24% | 16% | 10% | 5%  | 1%  | 1%  | 0%  | 0%  | 0%  |

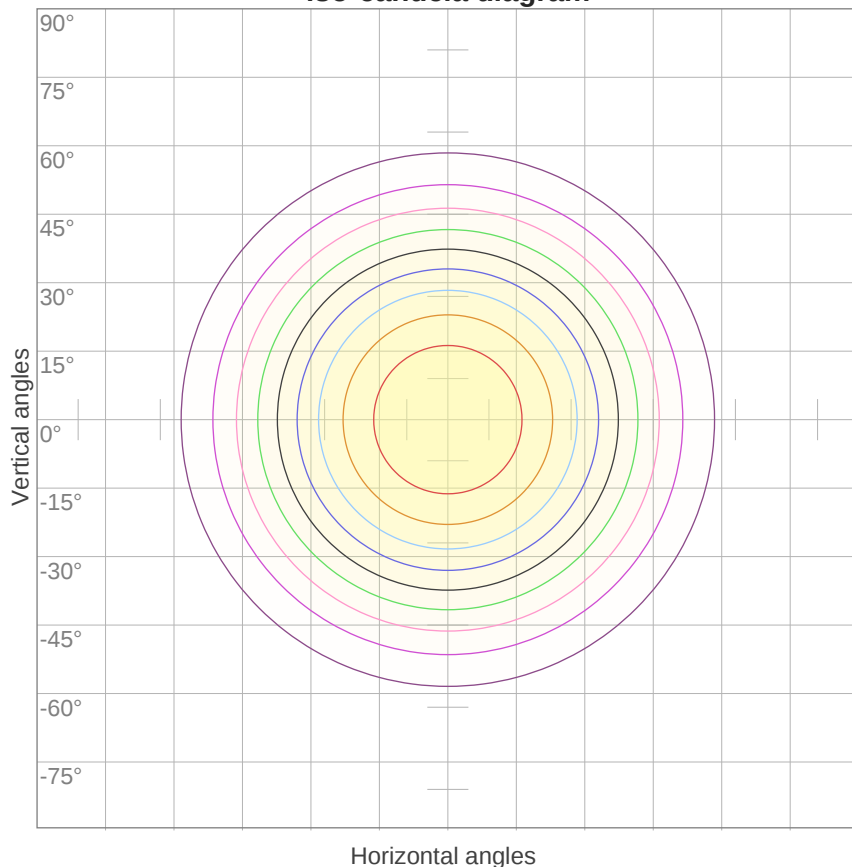
**Intensities in 180° c-plane**

| 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45°  | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2594 | 2573 | 2513 | 2414 | 2274 | 2094 | 1883 | 1643 | 1378 | 1105 | 850 | 613 | 409 | 258 | 127 | 34  | 14  | 8   | 4   | 4   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 63%  | 53%  | 43%  | 33% | 24% | 16% | 10% | 5%  | 1%  | 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° |
|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2594 | 2573 | 2513 | 2414 | 2274 | 2094 | 1883 | 1643 | 1378 | 1105 | 850 | 613 | 409 | 258 | 127 | 34  | 14  | 8   | 4   | 4   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 63%  | 53%  | 43%  | 33% | 24% | 16% | 10% | 5%  | 1%  | 1%  | 0%  | 0%  | 0%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 83°            | 129,9°          | 145,5°            | 92,7%                        | 72,4%                       |

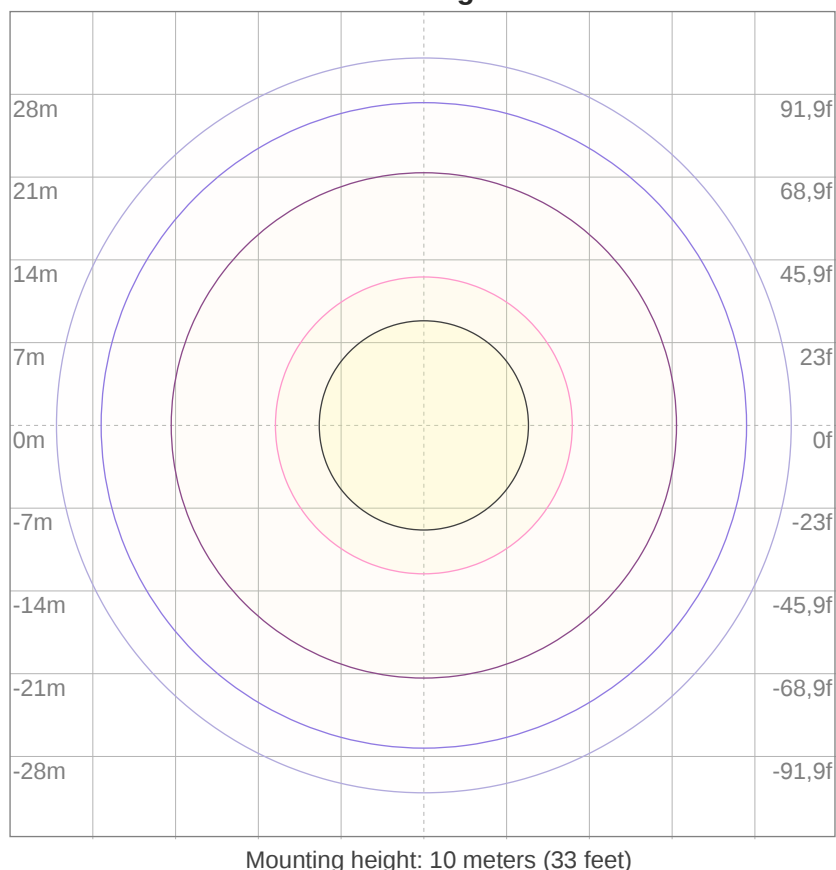
**iso-candela diagram**


|     |         |
|-----|---------|
| 10% | 259 cd  |
| 20% | 519 cd  |
| 30% | 778 cd  |
| 40% | 1037 cd |
| 50% | 1297 cd |
| 60% | 1556 cd |
| 70% | 1815 cd |
| 80% | 2075 cd |
| 90% | 2334 cd |

**Conditions:**

Number of c-planes: 24

Candela at center: 2594 cd

**iso-lux diagram**


|     |          |
|-----|----------|
| 3%  | 0,778 lx |
| 5%  | 1,30 lx  |
| 10% | 2,59 lx  |
| 30% | 7,78 lx  |
| 50% | 13,0 lx  |

**Conditions:**

Number of c-planes: 24

Lux at center: 25,9 lx

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