

Light efficiency:

88 Lumen/Watt

Light quality:

CRI: 96,6

Color temperature:

4280 K

Output: 3908 lm

Peak: 2155 cd

Power: 44,6 W

PF: 0,82



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

Product name:

**Reflect Bi-Color\_4 - Foot - 4300K No Diff.**

Item number:

Date and time:

**27/01/2022 17.21.25**

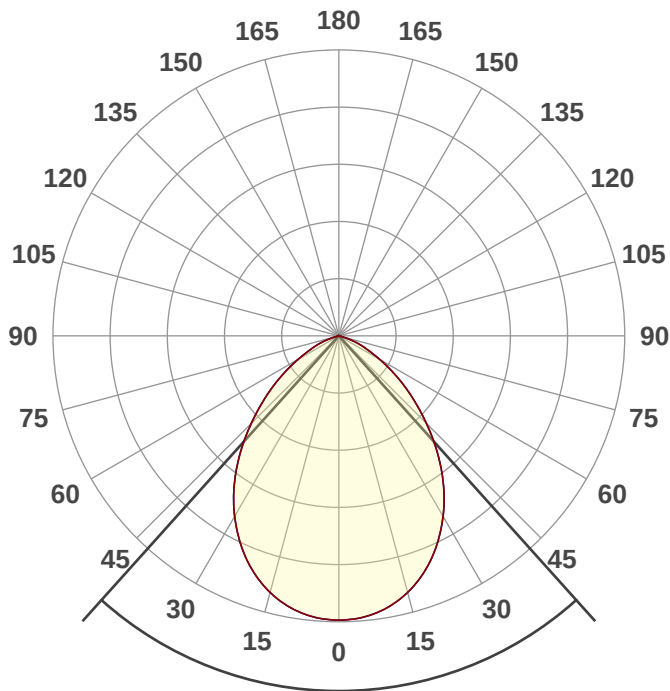
Description:

**Measured in 12 planes**

**Maasured by Karsten Lindorff**

**4 - Foot 4300K**

**No Diffusor**



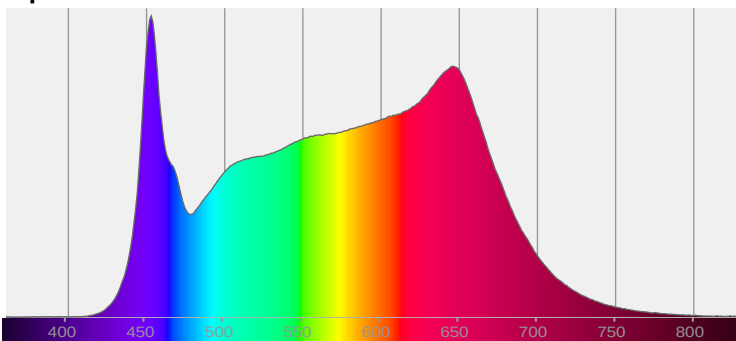
Beam angle

**83,9°**

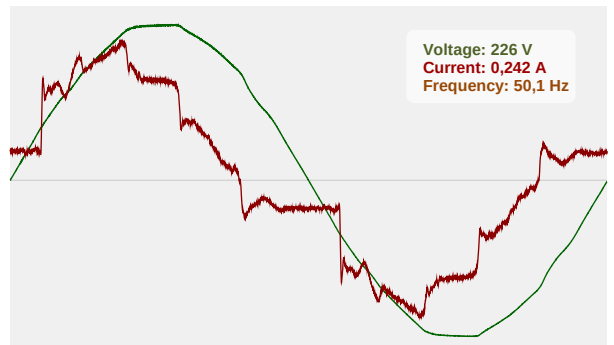


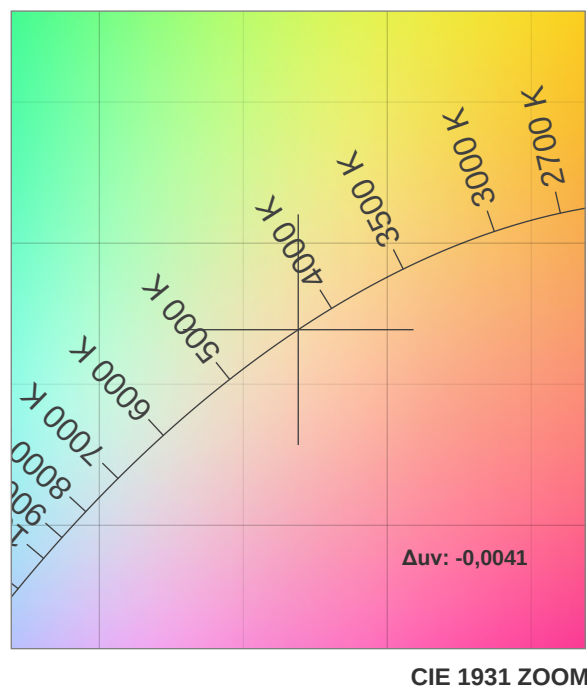
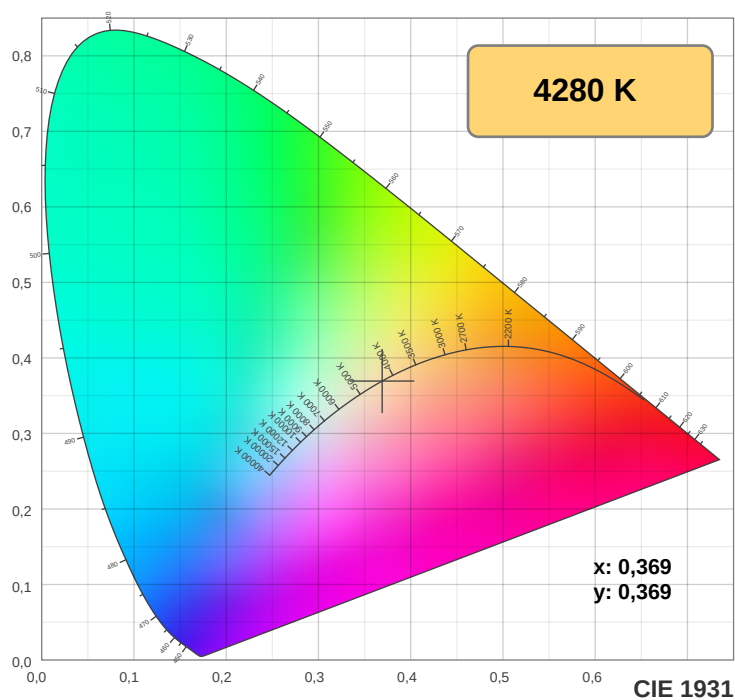
CIE 1931  
x: 0,369  
y: 0,369

Spectra

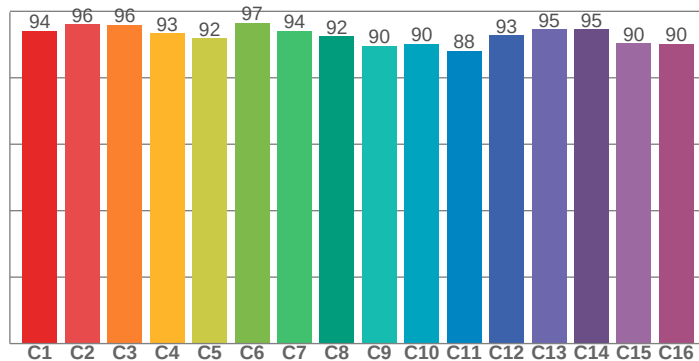


Power

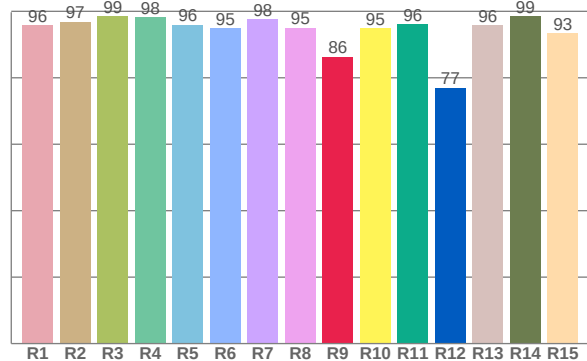




**TM30: 92,7**



**CRI: 96,6 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,7 | 96,9 | 98,6 | 98,1 | 96,0 | 94,8 | 97,7 | 95,1 | 86,3 | 94,8 | 96,1 | 77,0 | 95,8 | 98,6 | 93,4 |

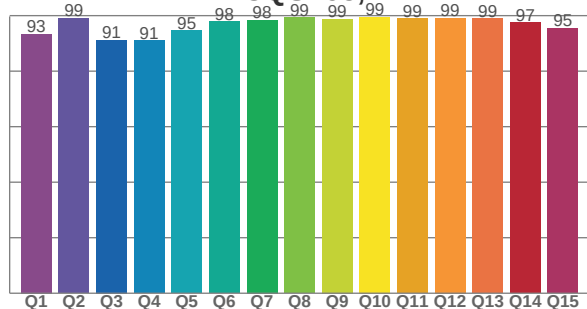
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,1 | 96,0 | 95,9 | 93,3 | 91,9 | 96,6 | 94,1 | 92,4 | 89,6 | 90,3 | 88,2 | 92,8 | 94,6 | 94,5 | 90,4 | 90,2 |

CQS Q values

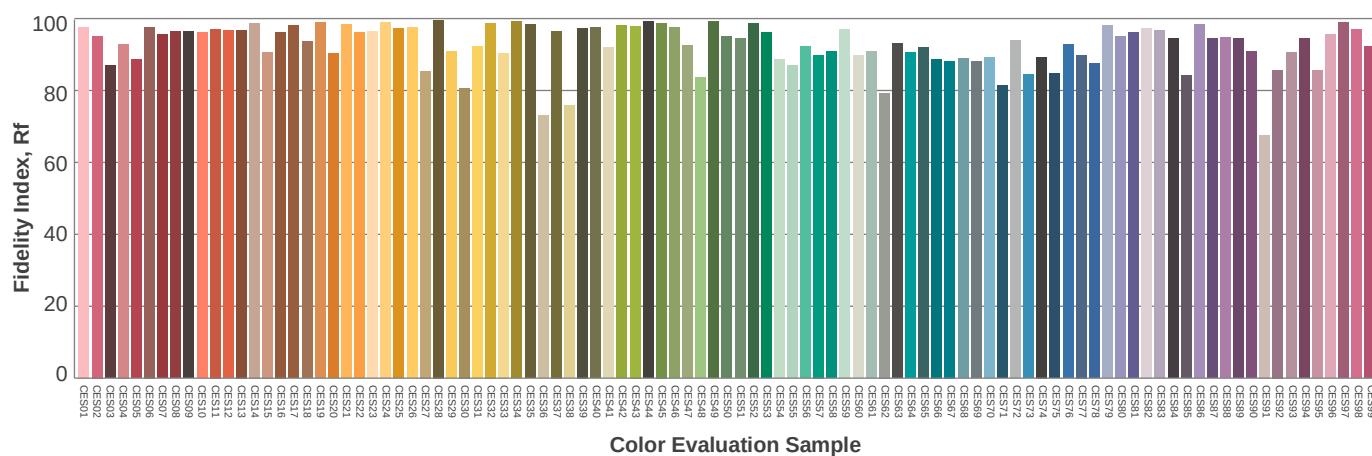
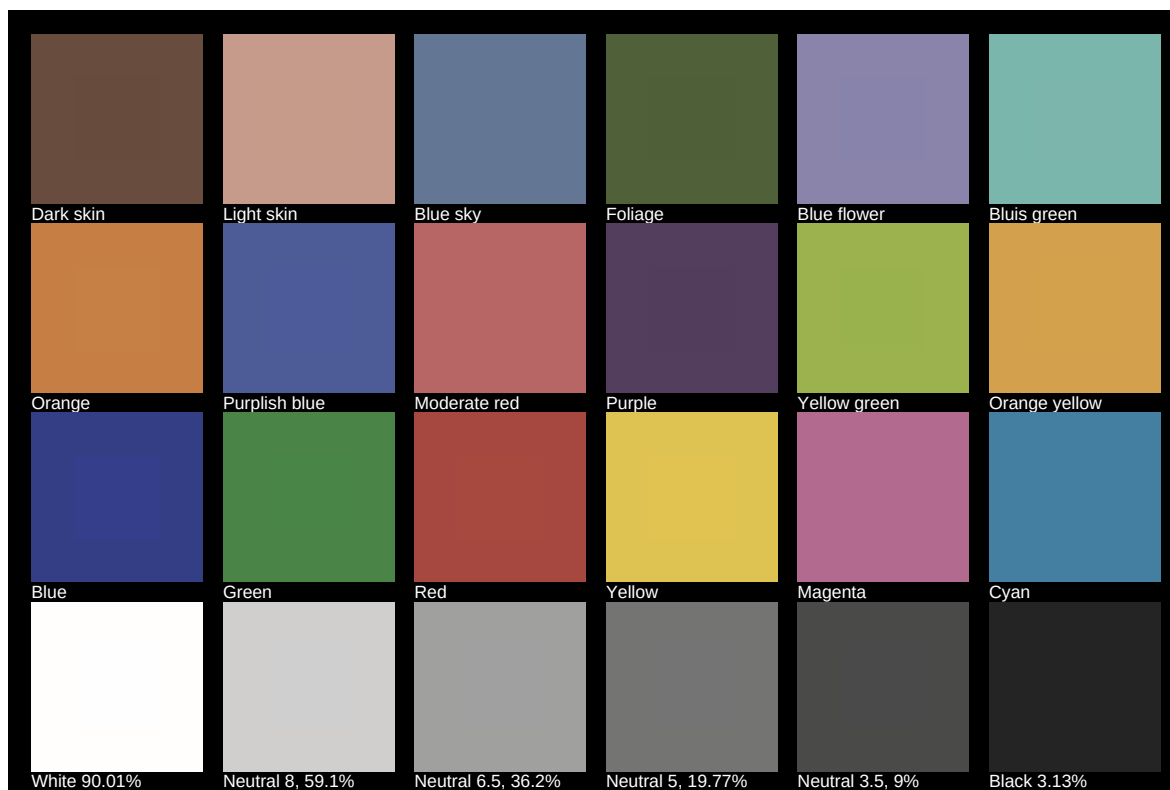
| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,4 | 99,0 | 91,2 | 91,0 | 94,6 | 97,9 | 98,5 | 99,2 | 98,7 | 99,4 | 99,0 | 99,1 | 99,0 | 97,4 | 95,4 |

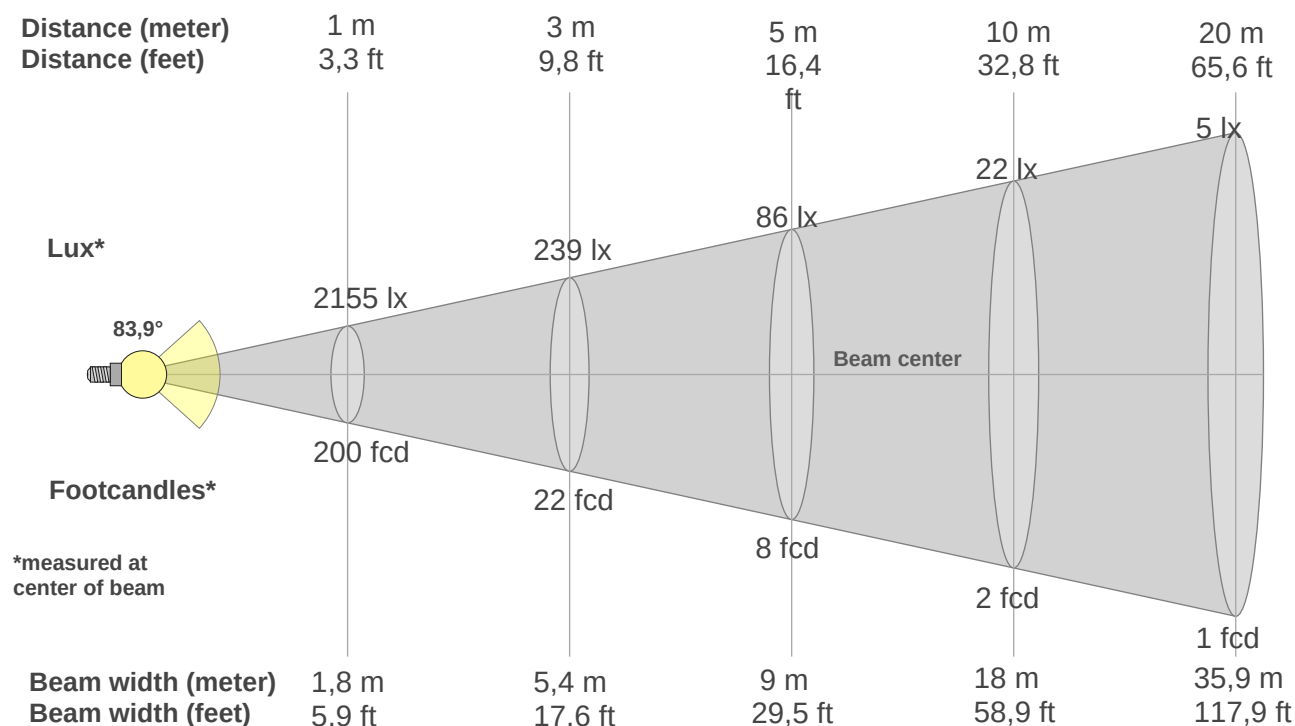
**CQS: 95,7**



## 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                | Δuv                             |
| 4280 K            | 96,6                  | 86,3          | 92,7           | 100,9       | 95,7                | 0,369                     | 0,369                     | 0,221            | 0,331            | -0,0041                         |




**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 |
| 2155lx   | 539lx | 239lx   | 135lx   | 86lx   | 60lx   | 44lx   | 34lx   | 27lx   | 22lx   | 18lx   | 15lx   | 13lx   | 11lx   | 10lx   | 8lx    | 7lx    | 7lx    | 6lx    | 5lx    |
| 200,2fcd | 50fcd | 22,2fcd | 12,5fcd | 8fcd   | 5,6fcd | 4,1fcd | 3,1fcd | 2,5fcd | 2fcd   | 1,7fcd | 1,4fcd | 1,2fcd | 1fcd   | 0,9fcd | 0,8fcd | 0,7fcd | 0,6fcd | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2155 | 2140 | 2095 | 2013 | 1899 | 1754 | 1580 | 1383 | 1165 | 940 | 727 | 533 | 359 | 224 | 120 | 28  | 2   | 1   | 1   | 0   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 64%  | 54%  | 44% | 34% | 25% | 17% | 10% | 6%  | 1%  | 0%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2155 | 2140 | 2095 | 2013 | 1899 | 1754 | 1580 | 1383 | 1165 | 940 | 727 | 533 | 359 | 224 | 120 | 28  | 2   | 1   | 1   | 0   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 64%  | 54%  | 44% | 34% | 25% | 17% | 10% | 6%  | 1%  | 0%  | 0%  | 0%  | 0%  |

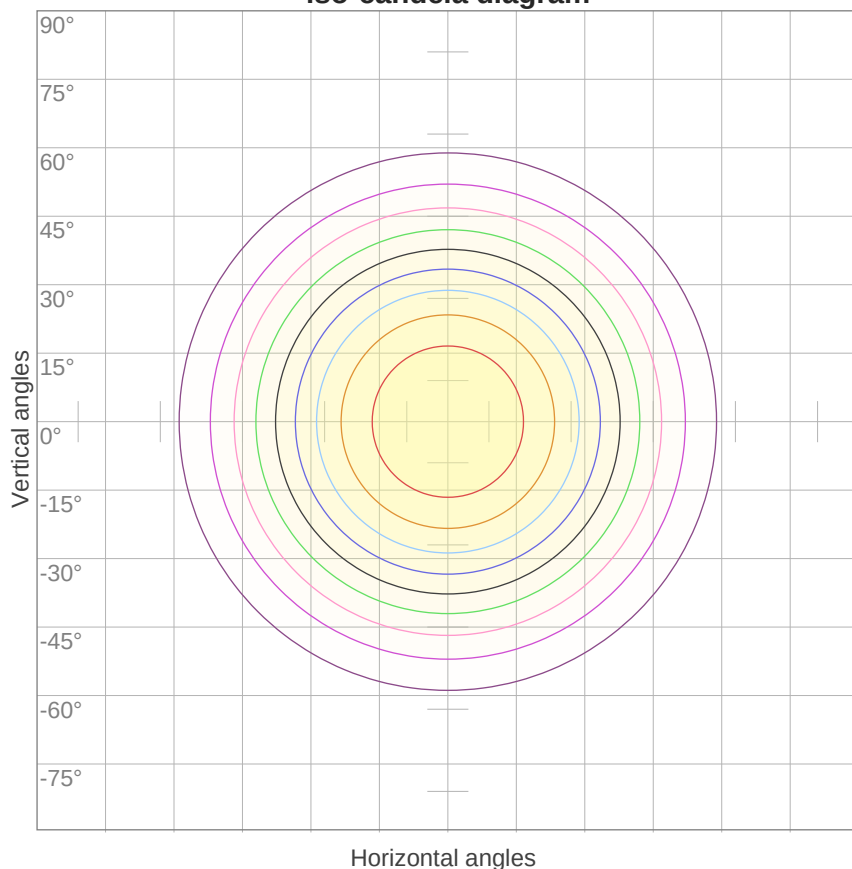
**Intensities in 180° c-plane**

| 0°   | 5°   | 10°  | 15°  | 20°  | 25°  | 30°  | 35°  | 40°  | 45° | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2155 | 2140 | 2095 | 2013 | 1899 | 1754 | 1580 | 1383 | 1165 | 940 | 727 | 533 | 359 | 224 | 120 | 28  | 2   | 1   | 1   | 0   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 64%  | 54%  | 44% | 34% | 25% | 17% | 10% | 6%  | 1%  | 0%  | 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° |
|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 2155 | 2140 | 2095 | 2013 | 1899 | 1754 | 1580 | 1383 | 1165 | 940 | 727 | 533 | 359 | 224 | 120 | 28  | 2   | 1   | 1   | 0   |
| 100% | 99%  | 97%  | 93%  | 88%  | 81%  | 73%  | 64%  | 54%  | 44% | 34% | 25% | 17% | 10% | 6%  | 1%  | 0%  | 0%  | 0%  | 0%  |

| Beam angle 50% | Field angle 10% | Cutoff angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|-------------------|------------------------------|-----------------------------|
| 83,9°          | 130,8°          | 146,3°            | 93,1%                        | 72,3%                       |

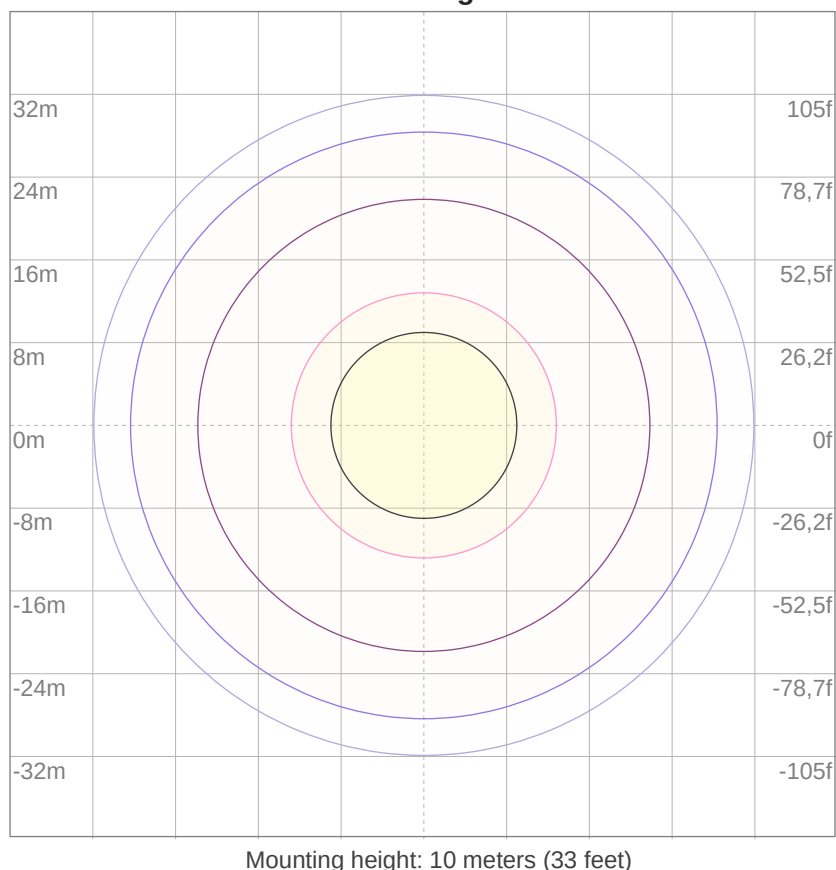
**iso-candela diagram**


|     |         |
|-----|---------|
| 10% | 215 cd  |
| 20% | 431 cd  |
| 30% | 646 cd  |
| 40% | 862 cd  |
| 50% | 1077 cd |
| 60% | 1293 cd |
| 70% | 1508 cd |
| 80% | 1724 cd |
| 90% | 1939 cd |

**Conditions:**

Number of c-planes: 24

Candela at center: 2155 cd

**iso-lux diagram**


|     |          |
|-----|----------|
| 3%  | 0,646 lx |
| 5%  | 1,08 lx  |
| 10% | 2,15 lx  |
| 30% | 6,46 lx  |
| 50% | 10,8 lx  |

**Conditions:**

Number of c-planes: 24

Lux at center: 21,5 lx

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