

Photometric Test Report



ECLCTPLUS PRL14

High quality six colours full spectrum
ellipsoidal LED

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TESTING PROCESS

Prolights has its own optical testing laboratory in order to provide accurate photometric reports for its lighting products. The testing laboratory contains certain variety of precise lighting measurement systems that ensure an optimal reading of all the characteristic parameters of the lighting devices. All measurements are made at a controlled room temperature of 20°C without any external light sources. This photometric report is obtained through the data measured by a high precision measurement system and analyzed by a dedicate software.

Prolights measurement instrument

Prolights measurement instrument is a complete measurement system for any light source. It's equipped with two-axis goniometer, that enables to measure the full 3D distribution field of the light source. This instrument measures the light intensity, the beam angle and the most significative colors parameters, like color temperature, spectral distribution, CRI, CQS, TM-30 with a very high accuracy rate.

Please Note: All measurements are made with light source at operating temperature. Before starting the measurement, the instrument analyzes the process of the light source during the heating phase. The measuring process of all the parameters begins only when the light emission is stable, that is with a variation of less than 0.5% in a 15 minutes time frame.

Prolights measurement software

The software provides user friendly interface for the operator who does the measurements, and it also analyzes and processes all the collected data by the instrument. With this software it is possible to see the measured data in real-time and it is possible to examine all the measured data and graphics afterwards as well. All information is collected in a specific Prolights template, and the software creates also IES and LDT files, which are widely used to transfer the photometric data, and to develop lighting system.

Additionally, the fixtures are rechecked using various hand-held instruments like Sekonic C-700 and Gossen Mavospec Base, this is done to ensure, that the data in the photometric report are as accurate as possible.



Total lumen output:

5047 lm

Peak candela output:

95312 cd

PRODUCT NAME:

ECLCTPLUS

MEASURAMENT CONDITIONS:

Beam angle:

PRL14

Target:

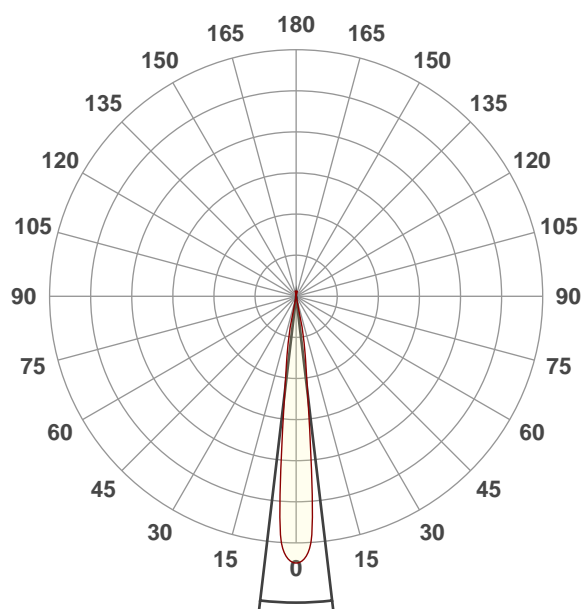
Full On HQ

Operator:

Paolo Carvone

Date and time:

14/07/2020 12:30:27

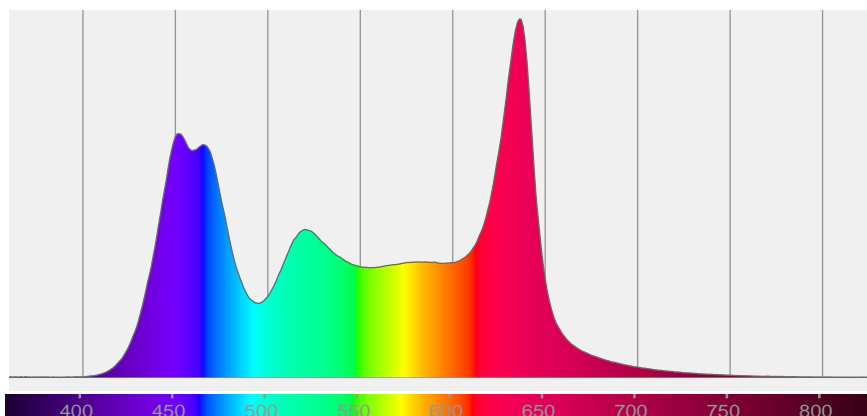


Beam angle 50%: 13,5°

Field angle 10%: 22,4°

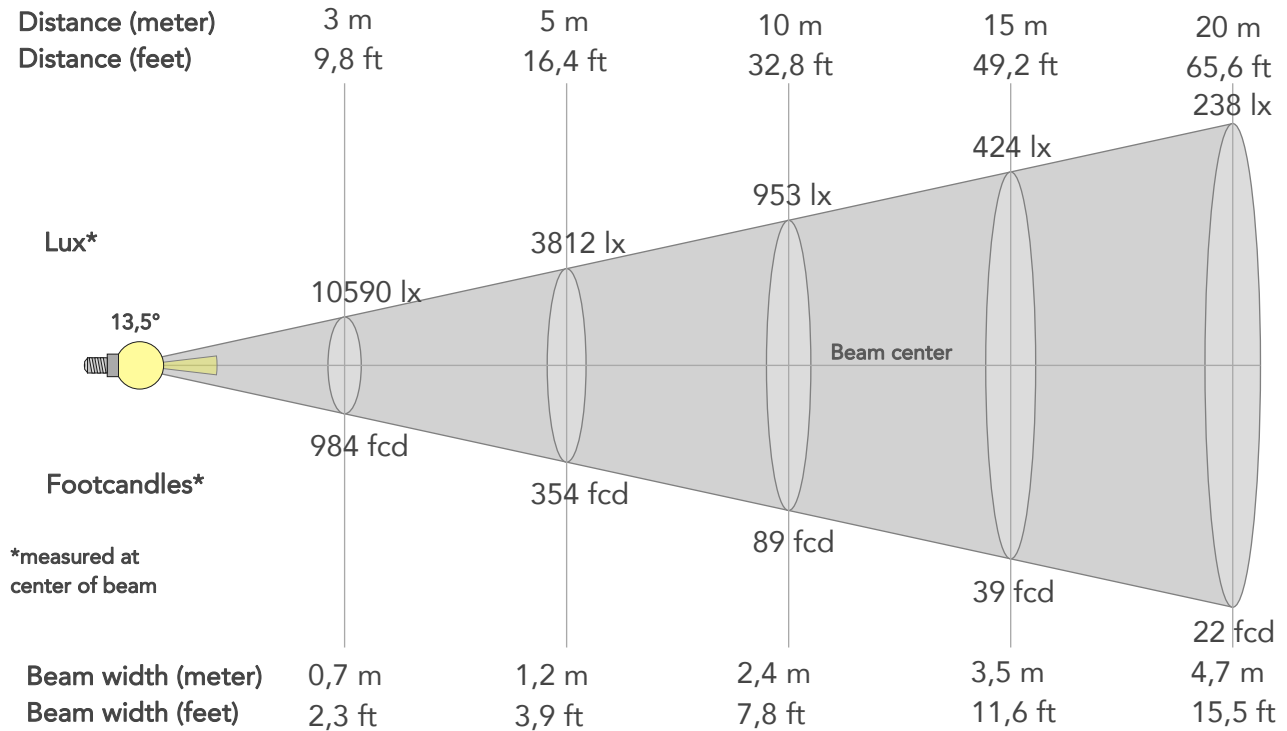
Cut off angle 2.5%: 24,9°

Spectra



BEAM DETAILS

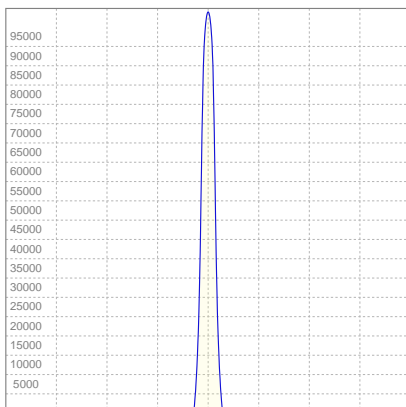
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,5° | 22,4° | 24,9° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 95312lx | 23828lx | 10590lx | 5957lx | 3812lx | 1694lx | 953lx | 424lx | 238lx | 152lx | 106lx | 60lx | 38lx |
| Footcand. | 8855fcd | 2214fcd | 984fcd | 553fcd | 354fcd | 157fcd | 89fcd | 39fcd | 22fcd | 14fcd | 10fcd | 6fcd | 4fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,8m | 2,4m | 3,5m | 4,7m | 5,9m | 7,1m | 9,5m | 11,8m |
| Beam wid. | 0,8ft | 1,6ft | 2,3ft | 3,1ft | 3,9ft | 5,8ft | 7,8ft | 11,6ft | 15,5ft | 19,4ft | 23,3ft | 31ft | 38,8ft |

LINEAR DISTRIBUTION DIAGRAM

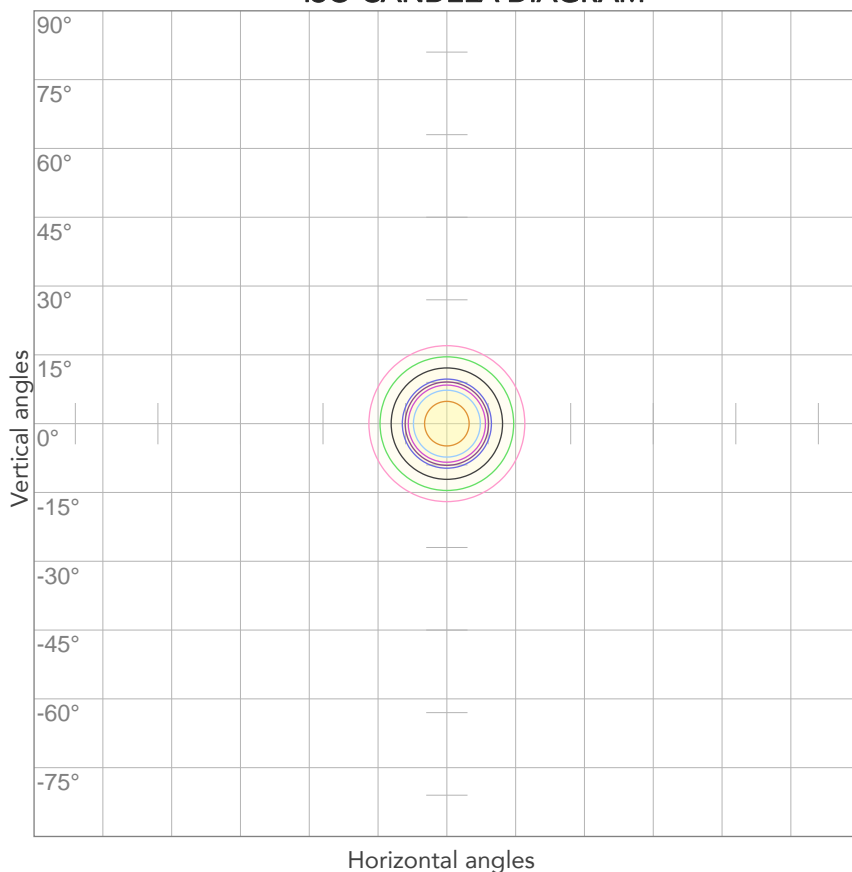


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 224V | 1,26A | 269,8W | 19lm/W |

| Power FC |
|----------|
| 0,96 |

ISO CANDELA DIAGRAM



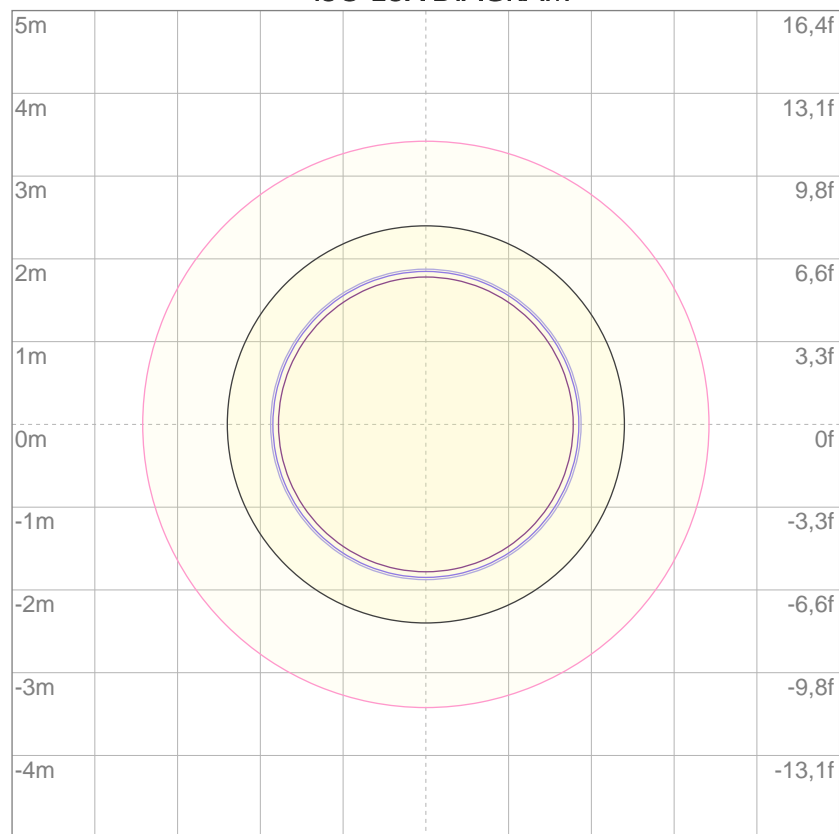
| | |
|-----|----------|
| 10% | 9531 cd |
| 20% | 19062 cd |
| 30% | 28594 cd |
| 40% | 38125 cd |
| 50% | 47656 cd |
| 60% | 57187 cd |
| 70% | 66718 cd |
| 80% | 76250 cd |

Conditions:

Number of c-planes: 2

Candela at center: 95312 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 28,6 lx |
| 5% | 47,7 lx |
| 10% | 95,3 lx |
| 30% | 286 lx |
| 50% | 477 lx |

Conditions:

Number of c-planes: 2

Lux at center: 953 lx

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



Total lumen output:

627 lm

Peak candela output:

15331 cd

PRODUCT NAME:

ECLCTPLUS

MEASURAMENT CONDITIONS:

Beam angle:

PRL14

Target:

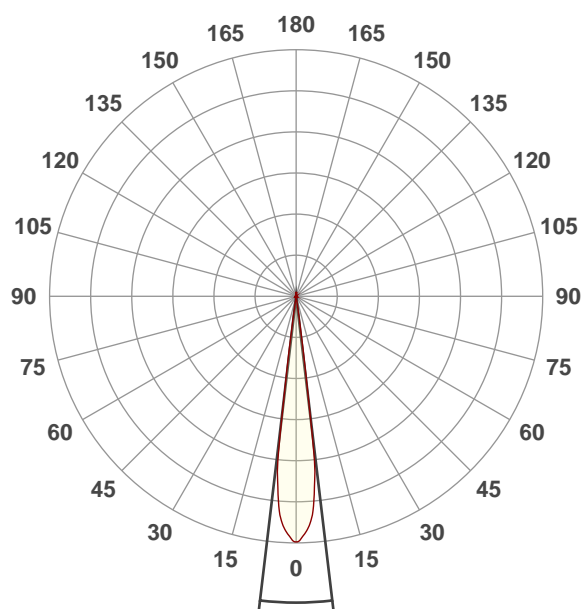
Red HQ

Operator:

Paolo Carvone

Date and time:

14/07/2020 12:35:08

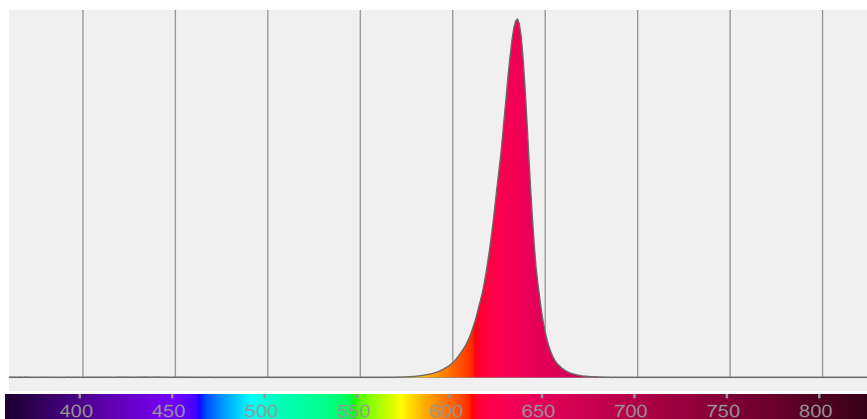


Beam angle 50%: 13,6°

Field angle 10%: 15,9°

Cut off angle 2.5%: 16,6°

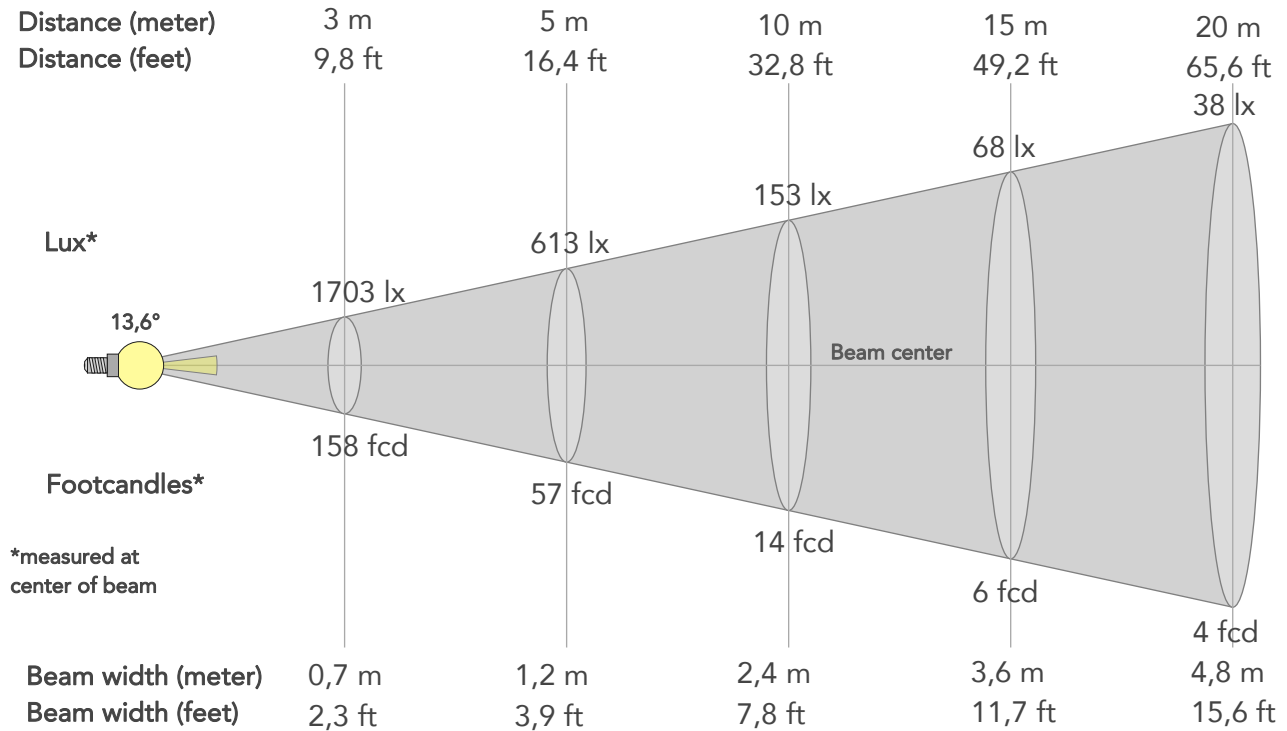
Spectra



BEAM DETAILS



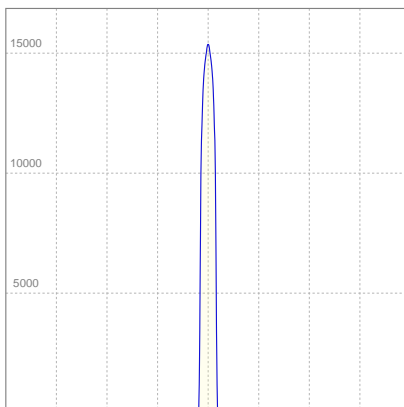
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,6° | 15,9° | 16,6° | 99,8% | 99,7% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 15331lx | 3833lx | 1703lx | 958lx | 613lx | 273lx | 153lx | 68lx | 38lx | 25lx | 17lx | 10lx | 6lx |
| Footcand. | 1424fcd | 356fcd | 158fcd | 89fcd | 57fcd | 25fcd | 14fcd | 6fcd | 4fcd | 2fcd | 2fcd | 1fcd | 1fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 1m | 1,2m | 1,8m | 2,4m | 3,6m | 4,8m | 5,9m | 7,1m | 9,5m | 11,9m |
| Beam wid. | 0,8ft | 1,6ft | 2,3ft | 3,1ft | 3,9ft | 5,8ft | 7,8ft | 11,7ft | 15,6ft | 19,5ft | 23,4ft | 31,2ft | 39ft |

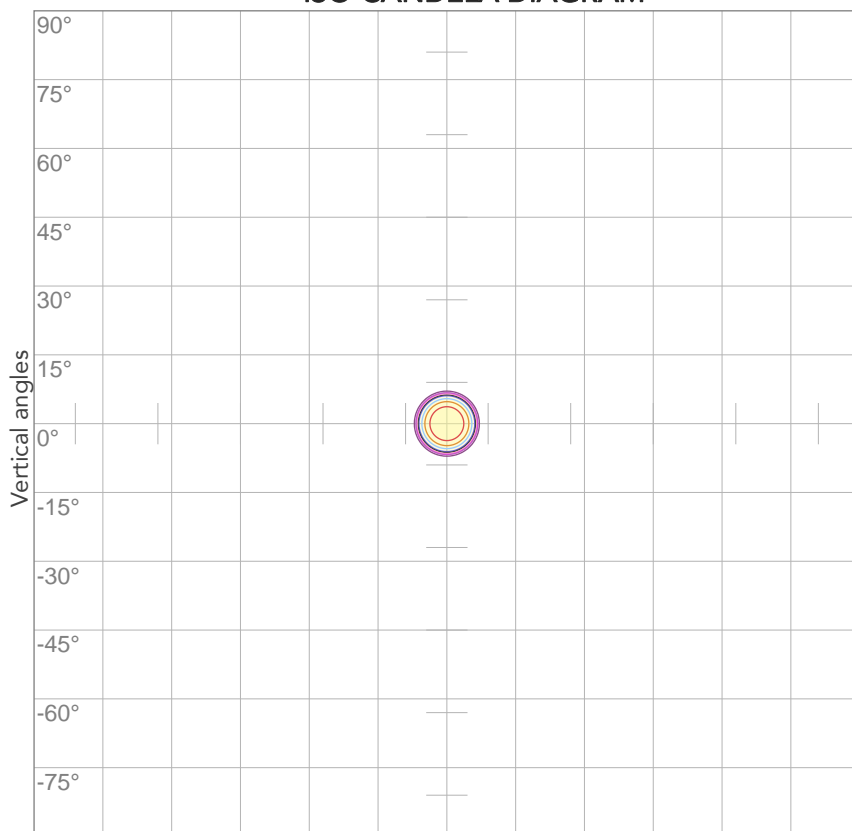
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 226V | 0,307A | 49,7W | 13lm/W |

ISO CANDELA DIAGRAM



Horizontal angles

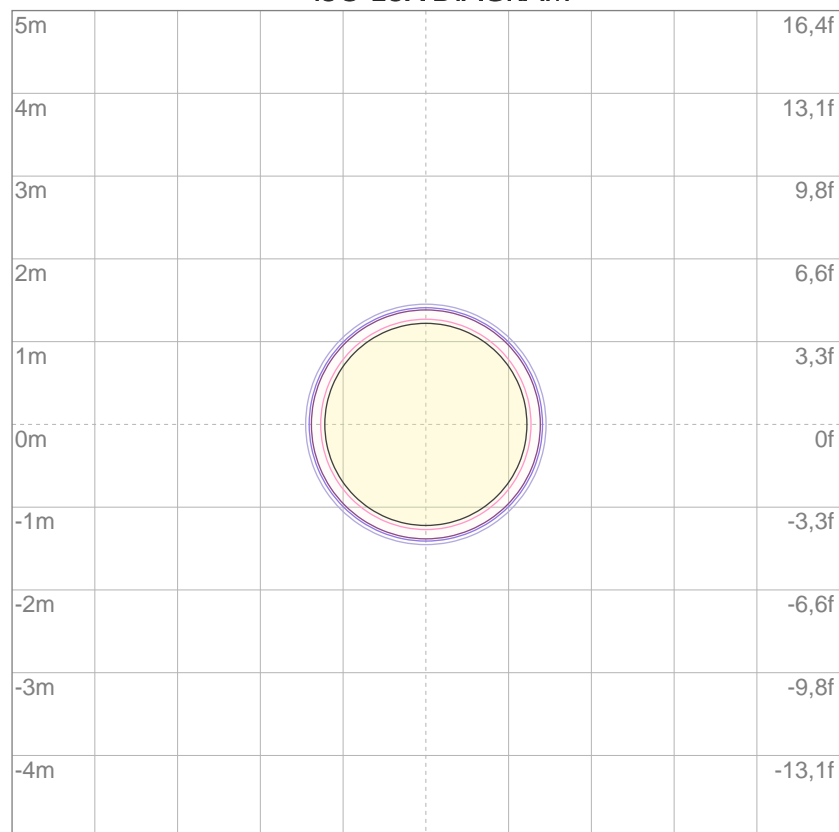
| | |
|-----|----------|
| 10% | 1533 cd |
| 20% | 3066 cd |
| 30% | 4599 cd |
| 40% | 6132 cd |
| 50% | 7665 cd |
| 60% | 9198 cd |
| 70% | 10732 cd |
| 80% | 12265 cd |

Conditions:

Number of c-planes: 2

Candela at center: 15331 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 4,60 lx |
| 5% | 7,67 lx |
| 10% | 15,3 lx |
| 30% | 46,0 lx |
| 50% | 76,7 lx |

Conditions:

Number of c-planes: 2

Lux at center: 153 lx

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



Total lumen output:

654 lm

Peak candela output:

15900 cd

PRODUCT NAME:
ECLCTPLUS

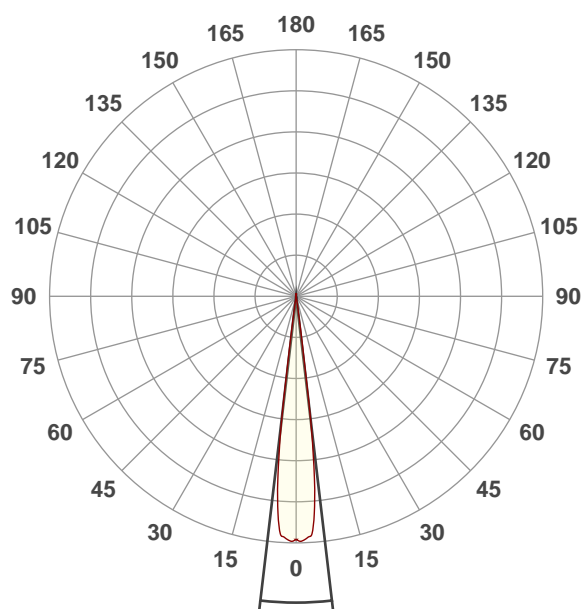
MEASURAMENT CONDITIONS:

Beam angle:
PRL14

Target:
Green HQ

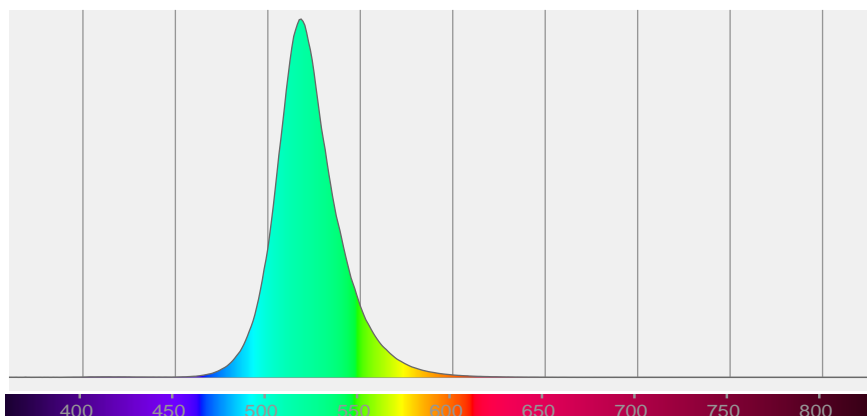
Operator:
Paolo Carvone

Date and time:
14/07/2020 13:06:11



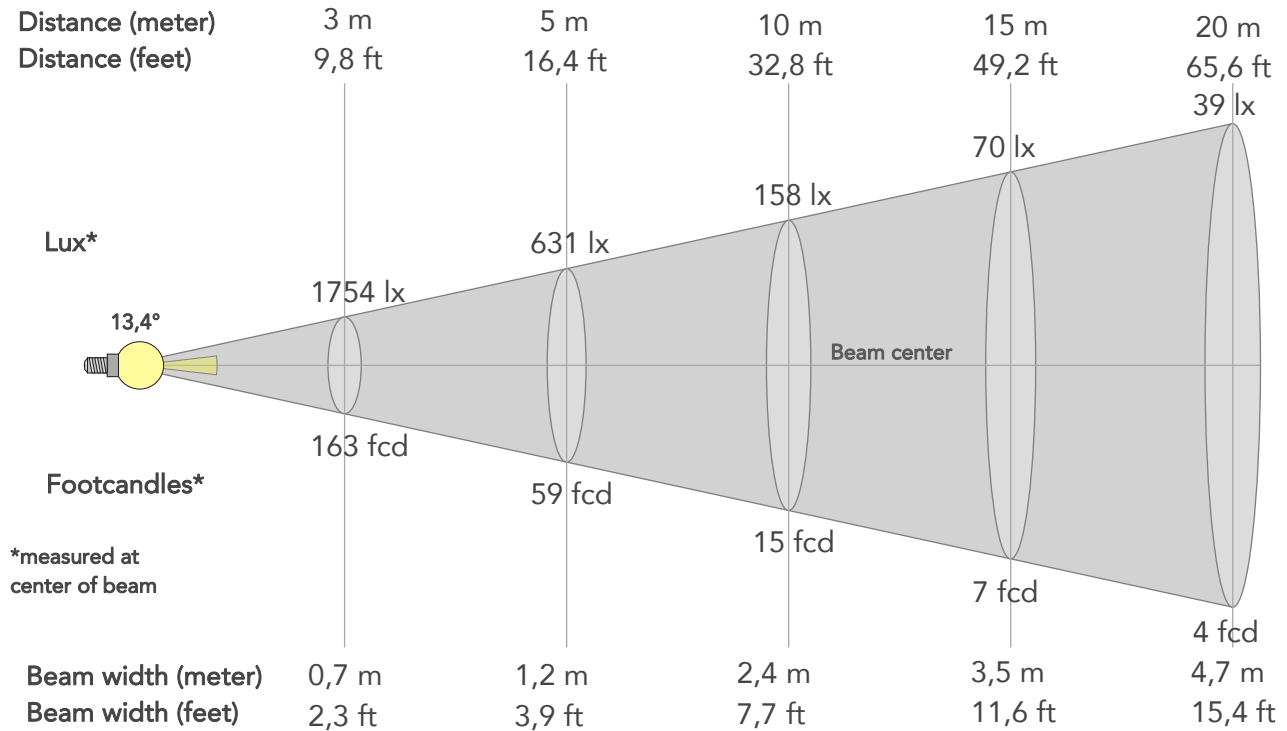
Beam angle 50%: 13,4°
Field angle 10%: 15,8°
Cut off angle 2.5%: 16,8°

Spectra



BEAM DETAILS

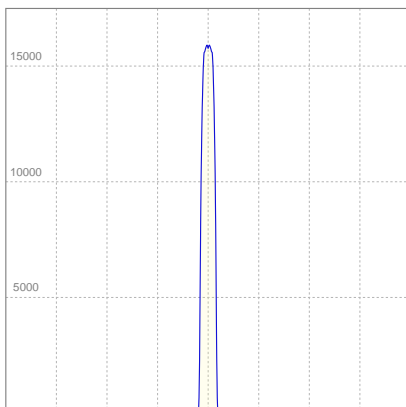
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,4° | 15,8° | 16,8° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 15787lx | 3947lx | 1754lx | 987lx | 631lx | 281lx | 158lx | 70lx | 39lx | 25lx | 18lx | 10lx | 6lx |
| Footcand. | 1467fcd | 367fcd | 163fcd | 92fcd | 59fcd | 26fcd | 15fcd | 7fcd | 4fcd | 2fcd | 2fcd | 1fcd | 1fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,8m | 2,4m | 3,5m | 4,7m | 5,9m | 7,1m | 9,4m | 11,8m |
| Beam wid. | 0,8ft | 1,6ft | 2,3ft | 3,1ft | 3,9ft | 5,8ft | 7,7ft | 11,6ft | 15,4ft | 19,3ft | 23,1ft | 30,9ft | 38,6ft |

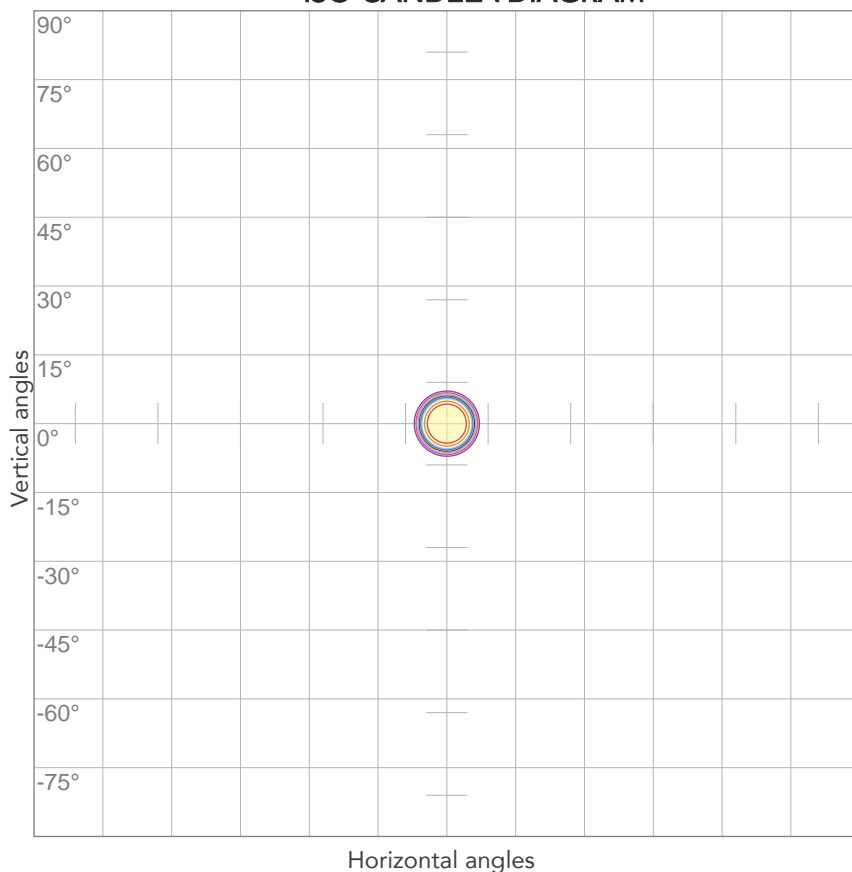
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 224V | 0,297A | 47,2W | 14lm/W |

ISO CANDELA DIAGRAM



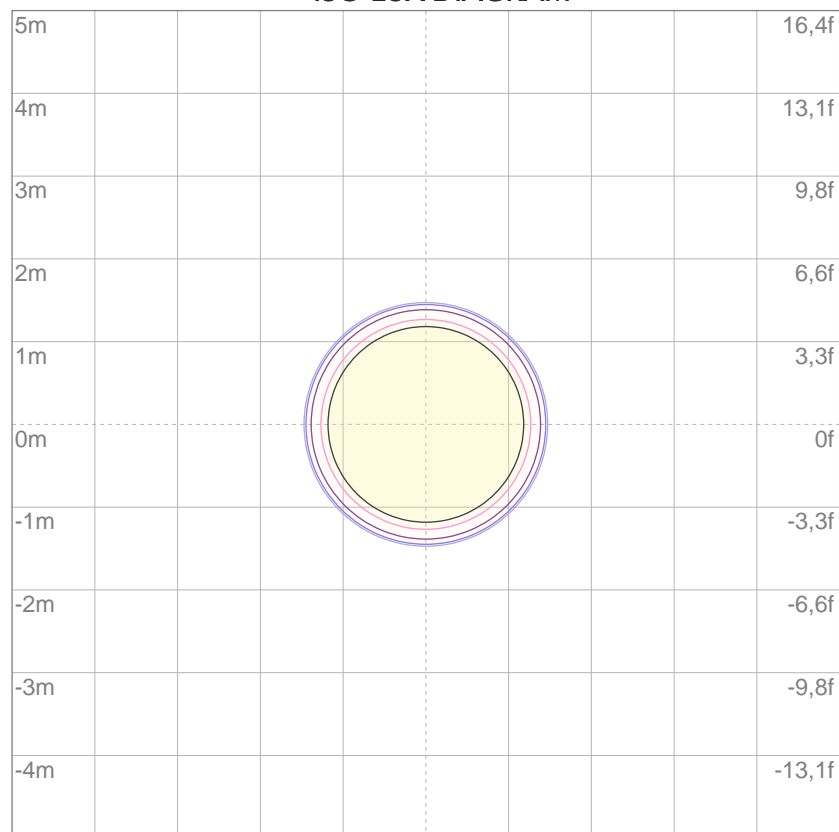
| | |
|-----|----------|
| 10% | 1579 cd |
| 20% | 3157 cd |
| 30% | 4736 cd |
| 40% | 6315 cd |
| 50% | 7893 cd |
| 60% | 9472 cd |
| 70% | 11051 cd |
| 80% | 12630 cd |

Conditions:

Number of c-planes: 2

Candela at center: 15787 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 4,74 lx |
| 5% | 7,89 lx |
| 10% | 15,8 lx |
| 30% | 47,4 lx |
| 50% | 78,9 lx |

Conditions:

Number of c-planes: 2

Lux at center: 158 lx

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



Total lumen output:

80,7 lm

Peak candela output:

1856 cd

PRODUCT NAME:

ECLCTPLUS

MEASURAMENT CONDITIONS:

Beam angle:

PRL14

Target:

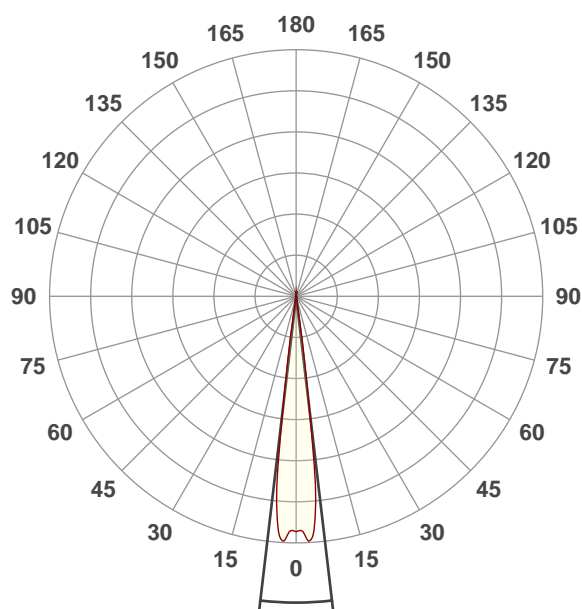
Blue HQ

Operator:

Paolo Carvone

Date and time:

14/07/2020 13:12:33

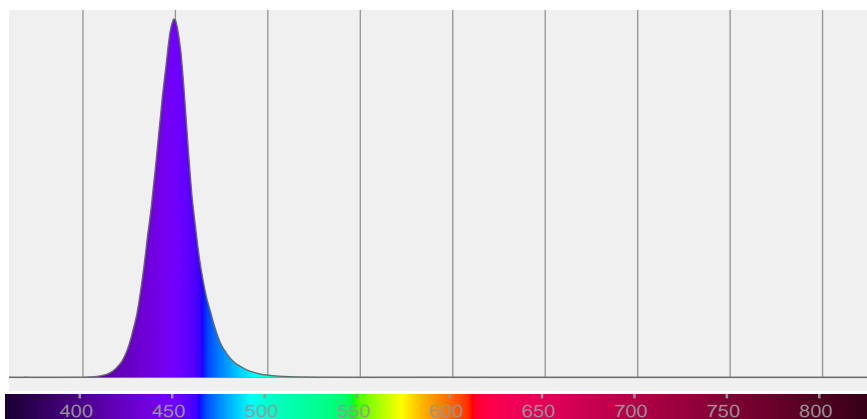


Beam angle 50%: 13,4°

Field angle 10%: 16,7°

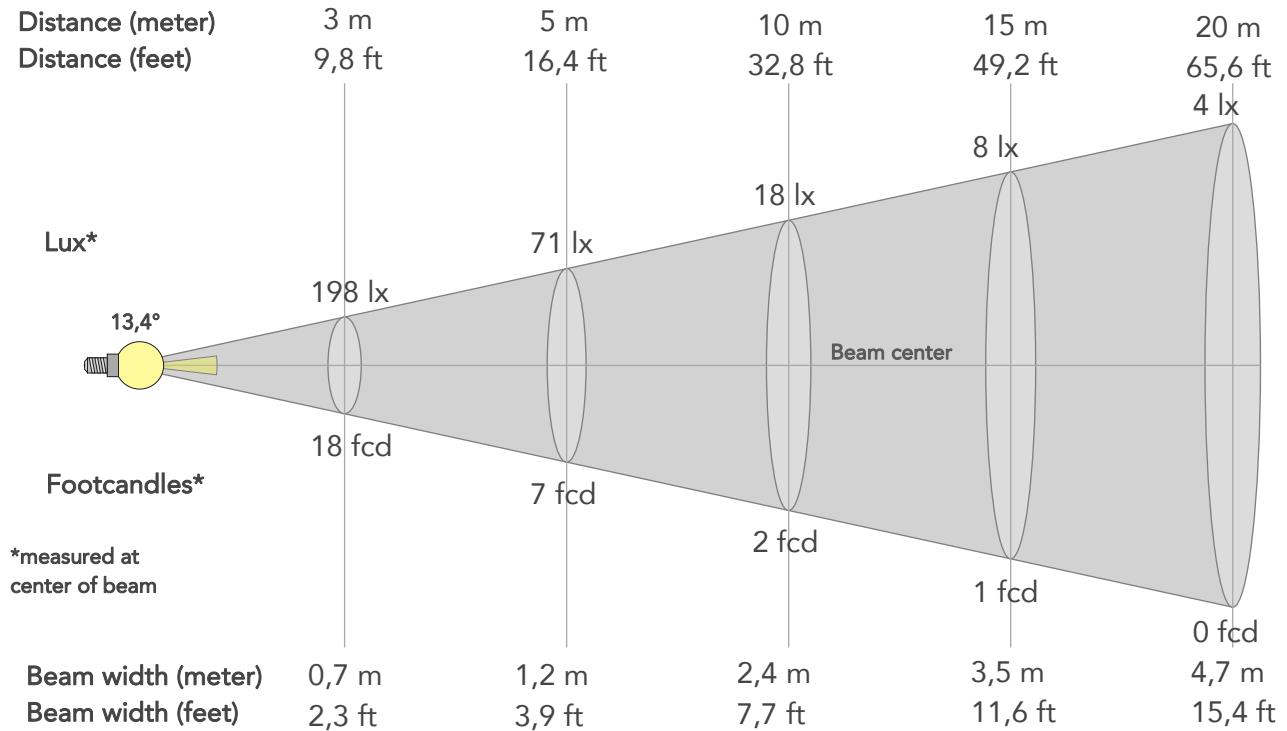
Cut off angle 2.5%: 17,6°

Spectra



BEAM DETAILS

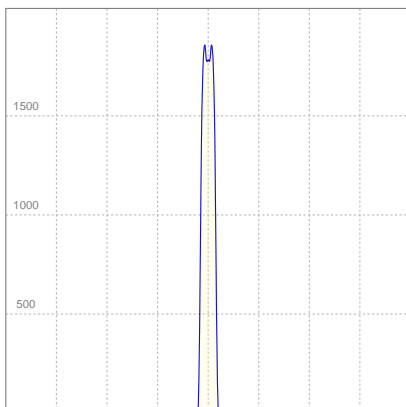
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,4° | 16,7° | 17,6° | 99,9% | 99,8% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 1782lx | 445lx | 198lx | 111lx | 71lx | 32lx | 18lx | 8lx | 4lx | 3lx | 2lx | 1lx | 1lx |
| Footcand. | 166fcd | 41fcd | 18fcd | 10fcd | 7fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,8m | 2,4m | 3,5m | 4,7m | 5,9m | 7,1m | 9,4m | 11,8m |
| Beam wid. | 0,8ft | 1,6ft | 2,3ft | 3,1ft | 3,9ft | 5,8ft | 7,7ft | 11,6ft | 15,4ft | 19,3ft | 23,2ft | 30,9ft | 38,6ft |

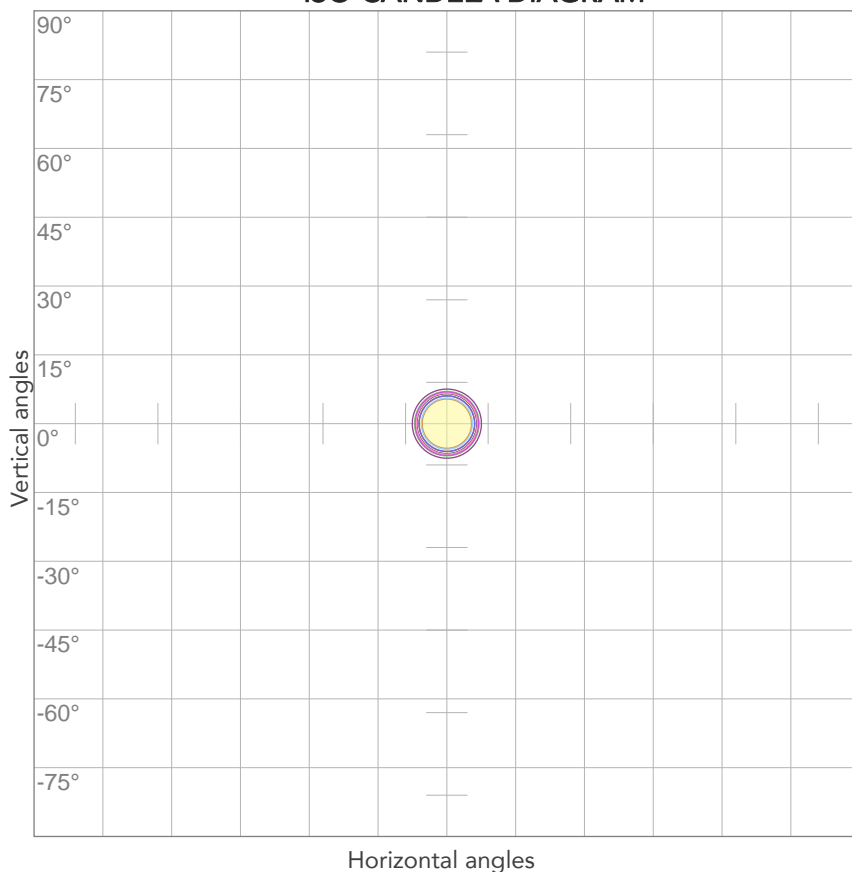
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 224V | 0,233A | 31,9W | 3lm/W |

ISO CANDELA DIAGRAM



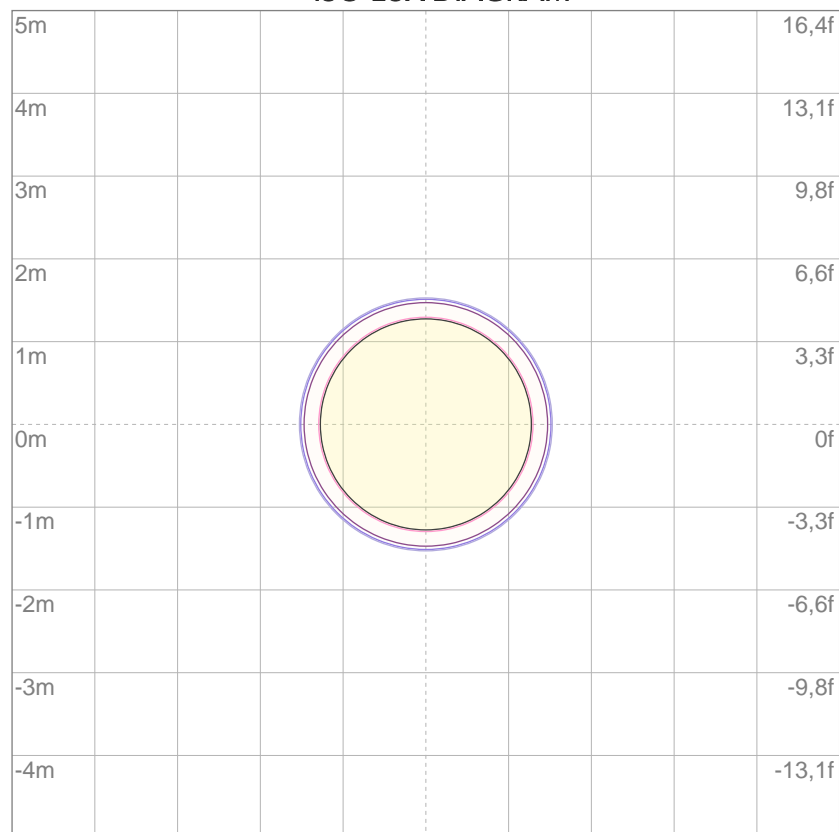
| | |
|-----|---------|
| 10% | 178 cd |
| 20% | 356 cd |
| 30% | 534 cd |
| 40% | 713 cd |
| 50% | 891 cd |
| 60% | 1069 cd |
| 70% | 1247 cd |
| 80% | 1425 cd |

Conditions:

Number of c-planes: 2

Candela at center: 1782 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,534 lx |
| 5% | 0,891 lx |
| 10% | 1,78 lx |
| 30% | 5,34 lx |
| 50% | 8,91 lx |

Conditions:

Number of c-planes: 2

Lux at center: 17,8 lx

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



Total lumen output:

3504 lm

Peak candela output:

89943 cd

Light quality:

CRI: 91,7

Color temperature:

2831 K

PRODUCT NAME:
ECLCTPLUS

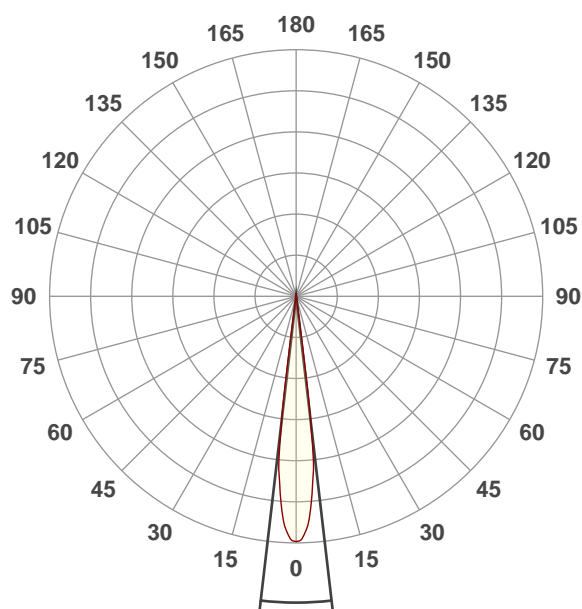
MEASURAMENT CONDITIONS:

Beam angle:
PRL14

Target:
2800K HQ

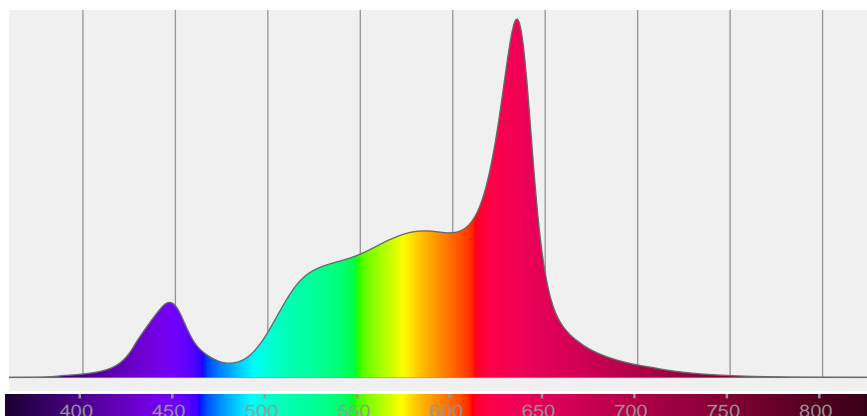
Operator:
Paolo Carvone

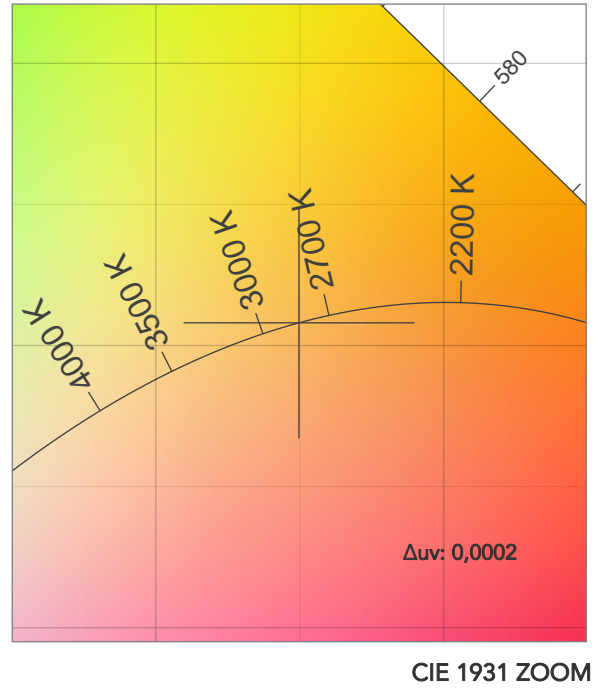
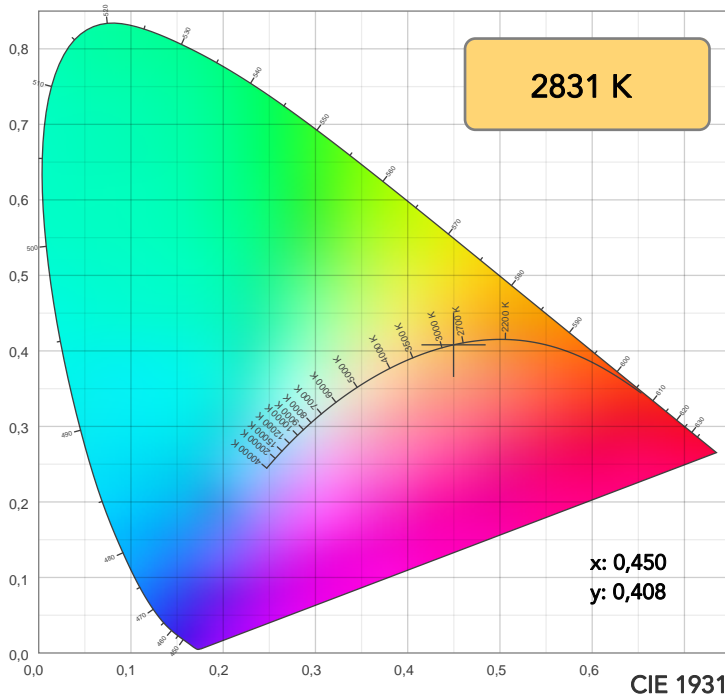
Date and time:
14/07/2020 12:46:17



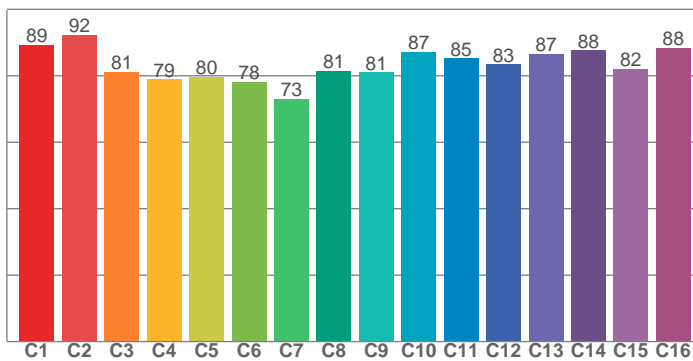
Beam angle 50%: 13,3°
Field angle 10%: 15,7°
Cut off angle 2.5%: 16,7°

Spectra

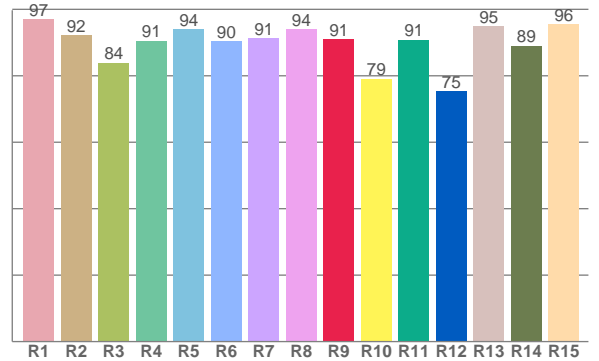




TM30: 84,1



CRI: 91,7 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,0 | 92,3 | 83,9 | 90,5 | 94,0 | 90,4 | 91,3 | 94,1 | 91,0 | 79,1 | 90,8 | 75,4 | 94,9 | 89,1 | 95,5 |

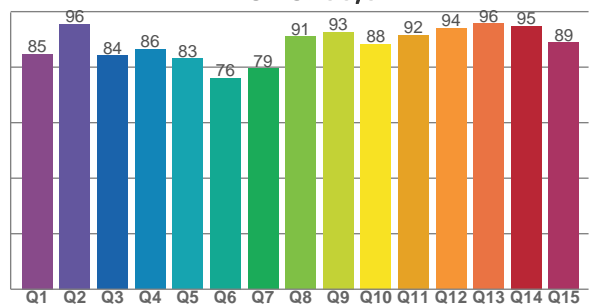
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89,4 | 92,2 | 81,2 | 78,9 | 79,7 | 78,1 | 73,0 | 81,4 | 81,0 | 87,2 | 85,2 | 83,4 | 86,6 | 87,7 | 82,1 | 88,3 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 84,7 | 95,6 | 84,1 | 86,4 | 83,2 | 76,2 | 79,4 | 91,1 | 92,6 | 88,3 | 91,5 | 94,0 | 95,7 | 94,9 | 88,8 |

CQS: 86,8



COLOR PARAMETERS

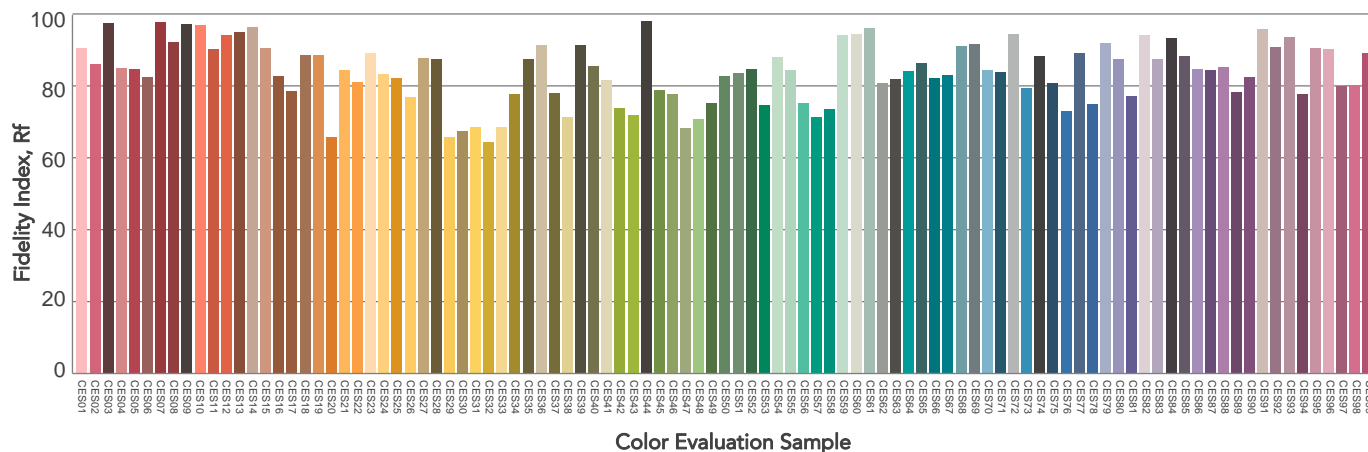
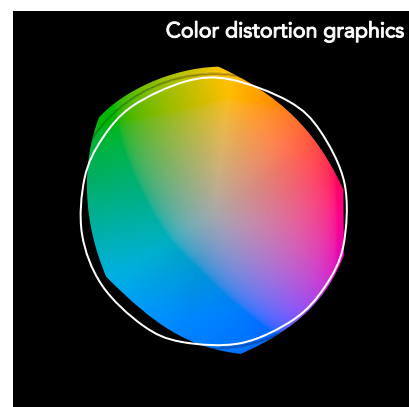
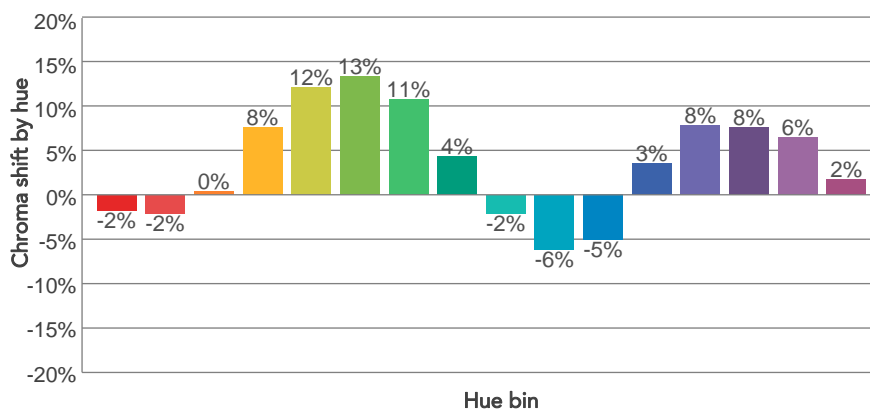
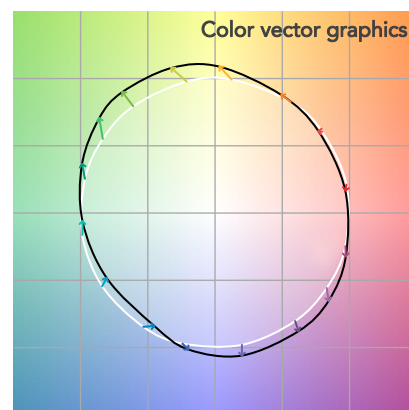
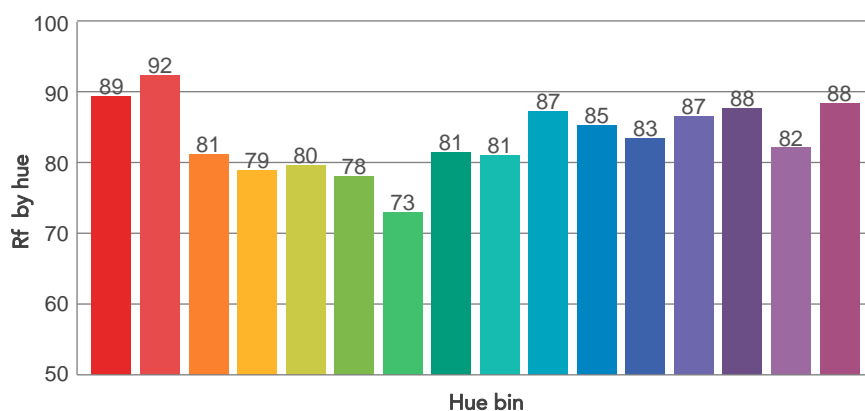
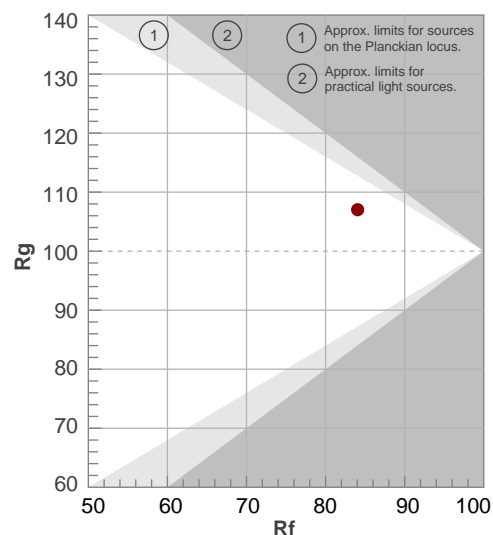
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 2831 K | 91,7 | 91,0 | 84,1 | 107,0 | 86,8 | 70 | 0,450 | 0,408 | 0,0002 |

TM30 DETAILS

Rf 84,1
Fidelity index Rf

Rg 107,0
Gammut index

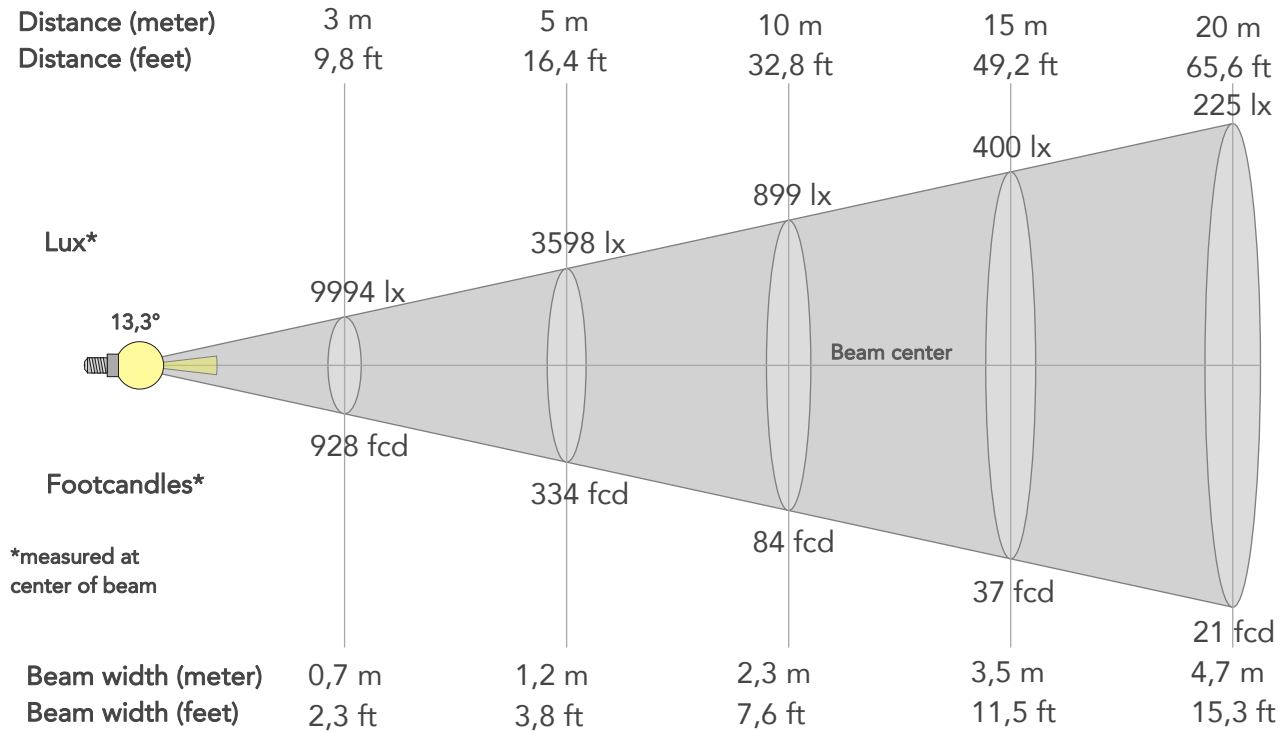
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 89 | -2% | -4% |
| 2 | 92 | -2% | 2% |
| 3 | 81 | 0% | 9% |
| 4 | 79 | 8% | 11% |
| 5 | 80 | 12% | 9% |
| 6 | 78 | 13% | 1% |
| 7 | 73 | 11% | -11% |
| 8 | 81 | 4% | -10% |
| 9 | 81 | -2% | -10% |
| 10 | 87 | -6% | -3% |
| 11 | 85 | -5% | 6% |
| 12 | 83 | 3% | 5% |
| 13 | 87 | 8% | -2% |
| 14 | 88 | 8% | -2% |
| 15 | 82 | 6% | -7% |
| 16 | 88 | 2% | -7% |



BEAM DETAILS



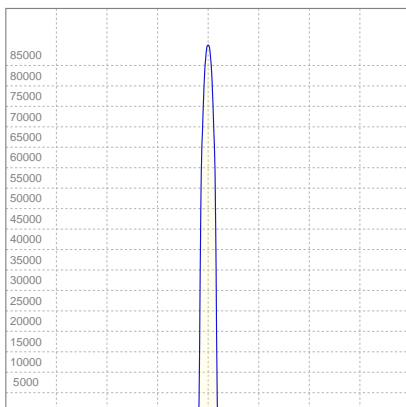
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,3° | 15,7° | 16,7° | 100,0% | 99,9% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|------------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 89943lx | 22486lx | 9994lx | 5621lx | 3598lx | 1599lx | 899lx | 400lx | 225lx | 144lx | 100lx | 56lx | 36lx |
| Footcand. | 8356fcd | 2089fcd | 928fcd | 522fcd | 334fcd | 149fcd | 84fcd | 37fcd | 21fcd | 13fcd | 9fcd | 5fcd | 3fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,7m | 2,3m | 3,5m | 4,7m | 5,8m | 7m | 9,3m | 11,6m |
| Beam wid. | 0,8ft | 1,5ft | 2,3ft | 3ft | 3,8ft | 5,7ft | 7,6ft | 11,5ft | 15,3ft | 19,1ft | 22,9ft | 30,5ft | 38,2ft |

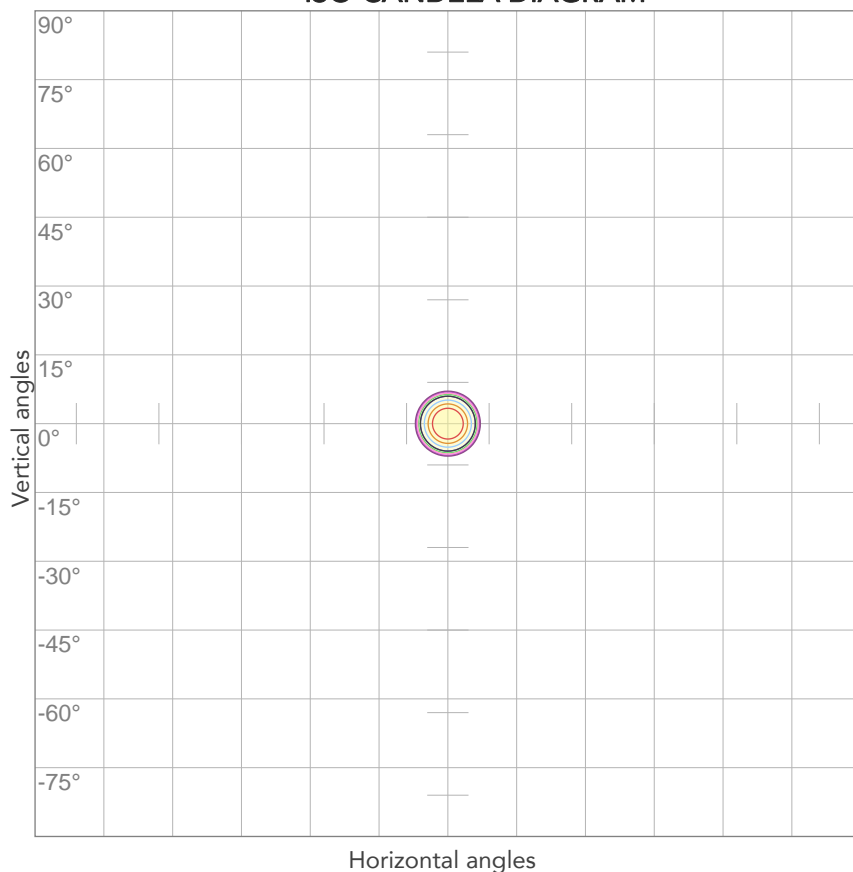
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,812A | 168,7W | 21lm/W |

ISO CANDELA DIAGRAM



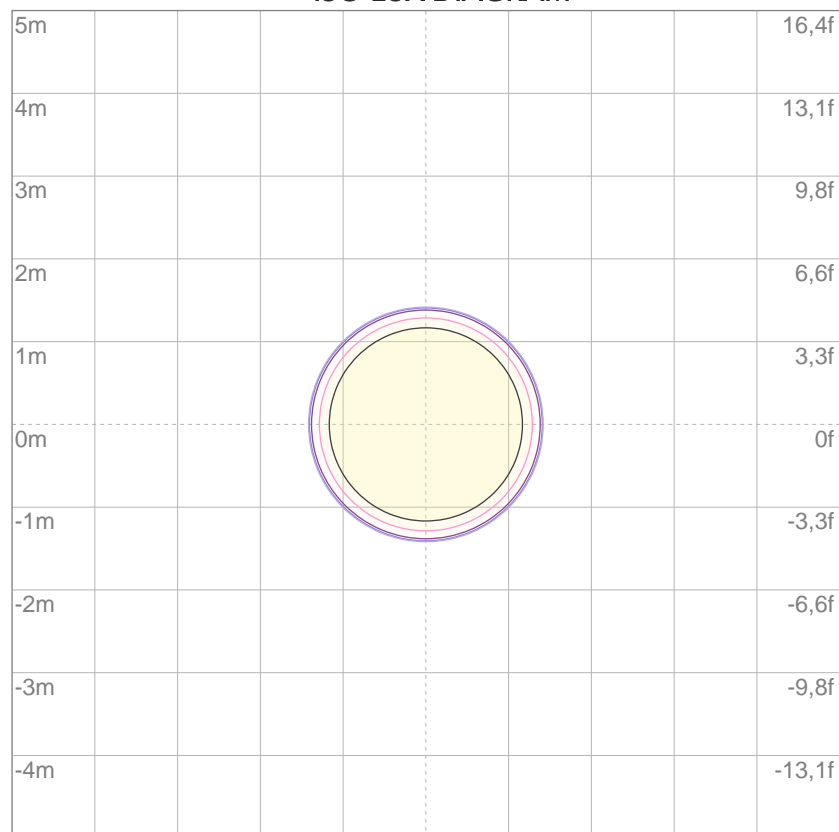
| | |
|-----|----------|
| 10% | 8994 cd |
| 20% | 17989 cd |
| 30% | 26983 cd |
| 40% | 35977 cd |
| 50% | 44972 cd |
| 60% | 53966 cd |
| 70% | 62960 cd |
| 80% | 71955 cd |

Conditions:

Number of c-planes: 2

Candela at center: 89943 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 27,0 lx |
| 5% | 45,0 lx |
| 10% | 89,9 lx |
| 30% | 270 lx |
| 50% | 450 lx |

Conditions:

Number of c-planes: 2

Lux at center: 899 lx

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



Total lumen output:

3635 lm

Peak candela output:

92958 cd

Light quality:

CRI: 92,9

Color temperature:

3233 K

PRODUCT NAME:

ECLCTPLUS

MEASURAMENT CONDITIONS:

Beam angle:

PRL14

Target:

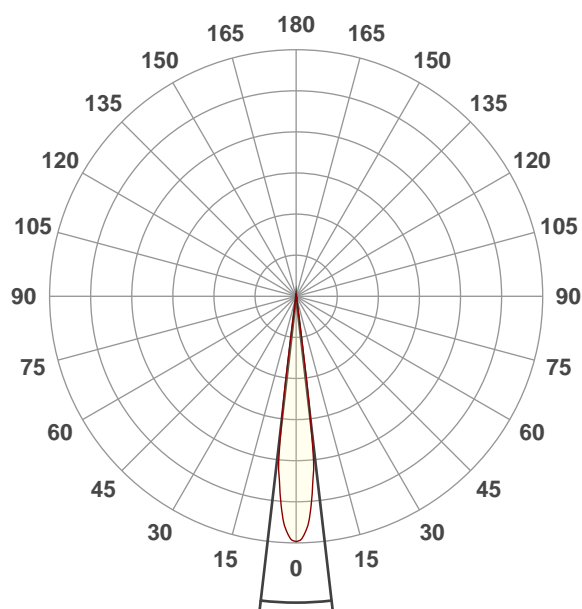
3200K HQ

Operator:

Paolo Carvone

Date and time:

14/07/2020 12:49:00

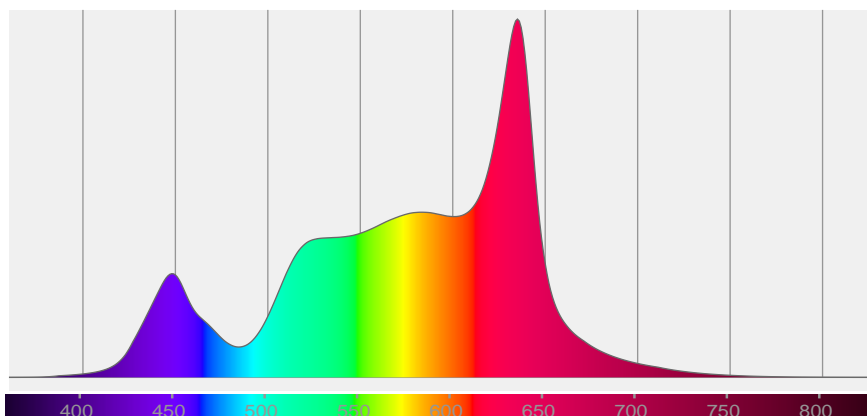


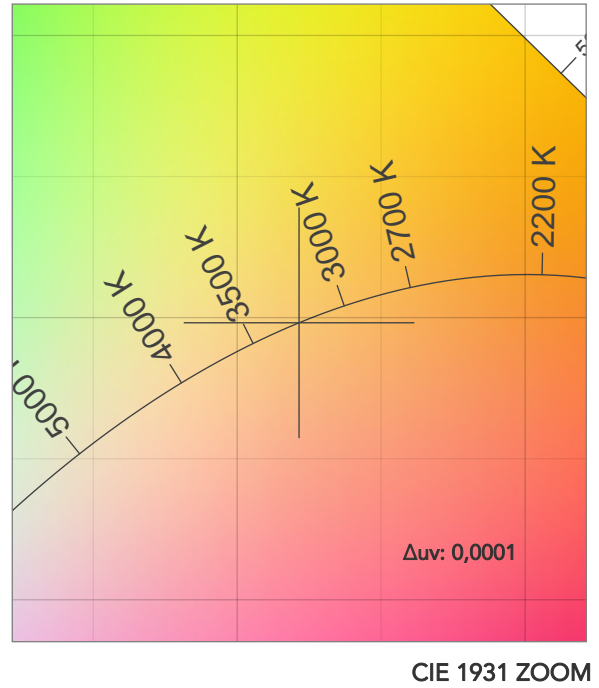
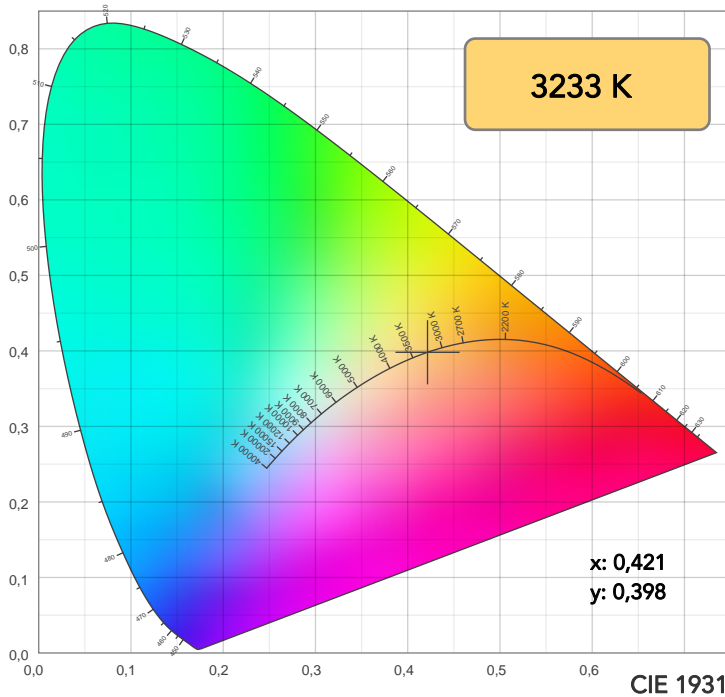
Beam angle 50%: 13,3°

Field angle 10%: 15,8°

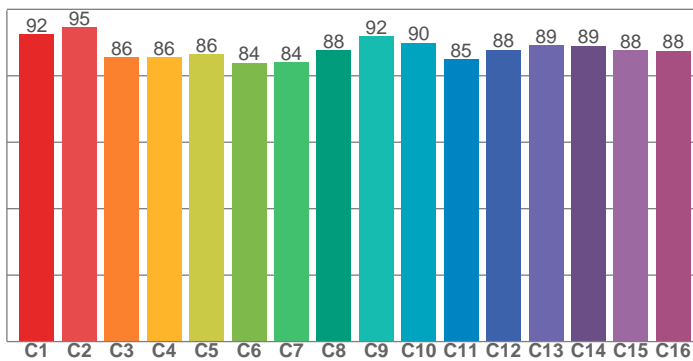
Cut off angle 2.5%: 16,7°

Spectra

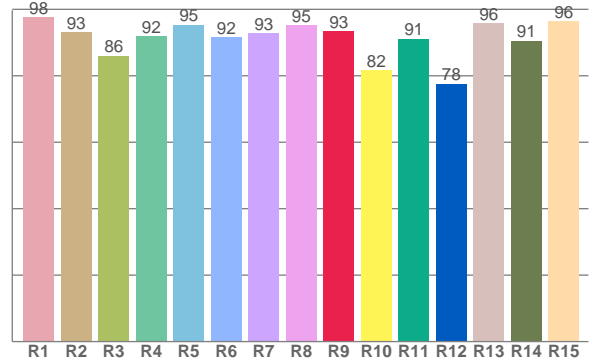




TM30: 88,3



CRI: 92,9 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,6 | 93,1 | 86,0 | 91,9 | 95,3 | 91,6 | 92,7 | 95,2 | 93,4 | 81,6 | 91,1 | 77,6 | 95,8 | 90,6 | 96,5 |

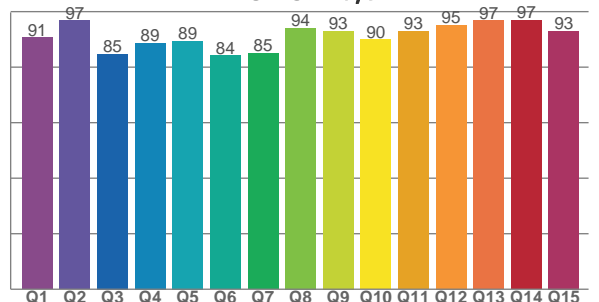
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,5 | 94,6 | 85,6 | 85,5 | 86,4 | 83,8 | 84,0 | 87,6 | 91,9 | 89,9 | 85,0 | 87,7 | 89,2 | 89,0 | 87,7 | 87,6 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,7 | 96,8 | 84,7 | 88,7 | 89,4 | 84,1 | 85,0 | 94,1 | 93,1 | 89,9 | 92,9 | 95,1 | 96,8 | 96,9 | 93,0 |

CQS: 90,3



COLOR PARAMETERS

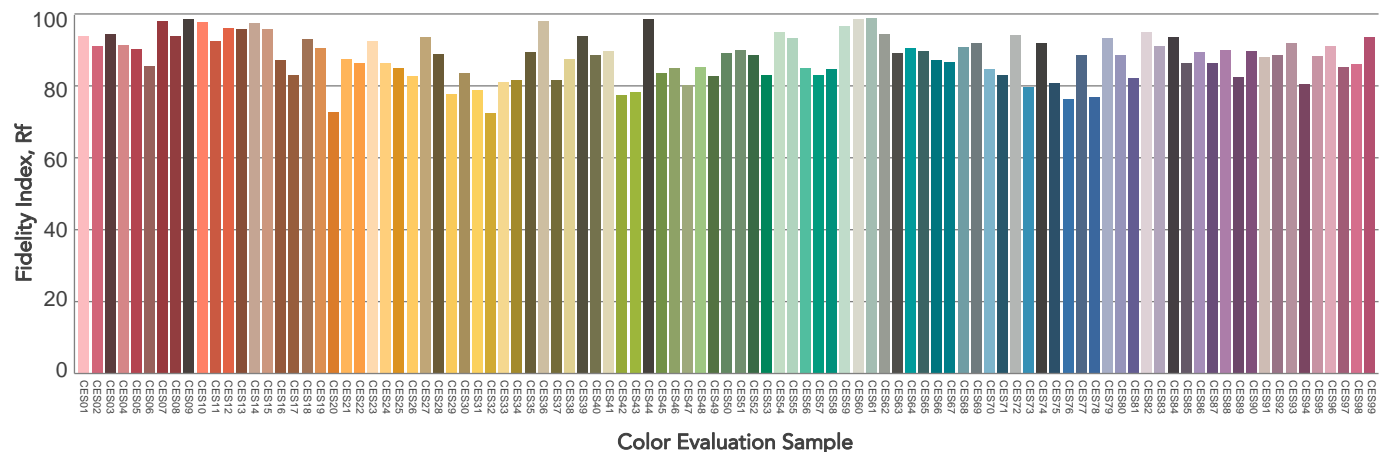
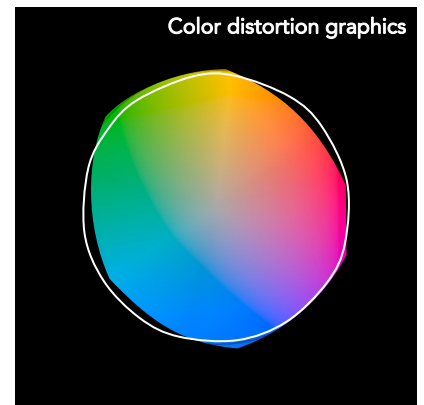
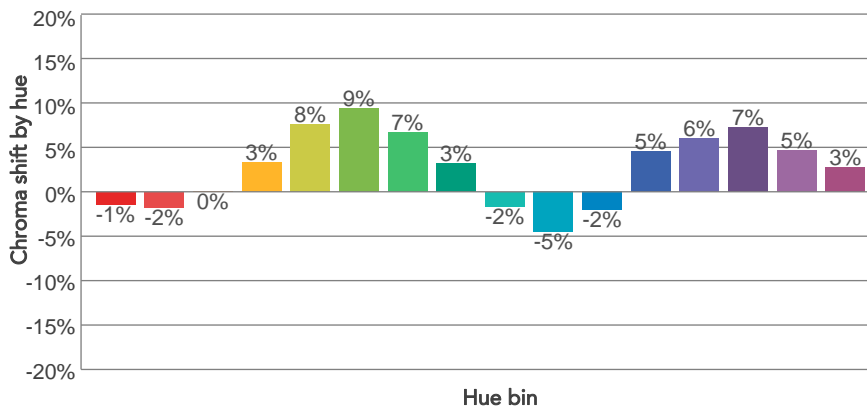
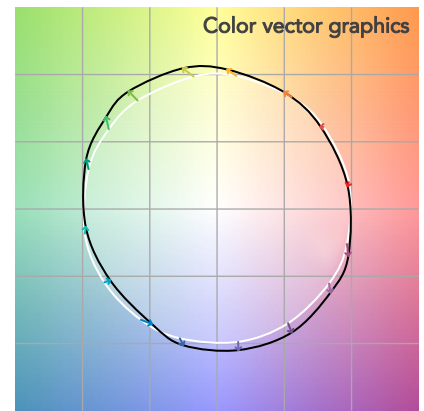
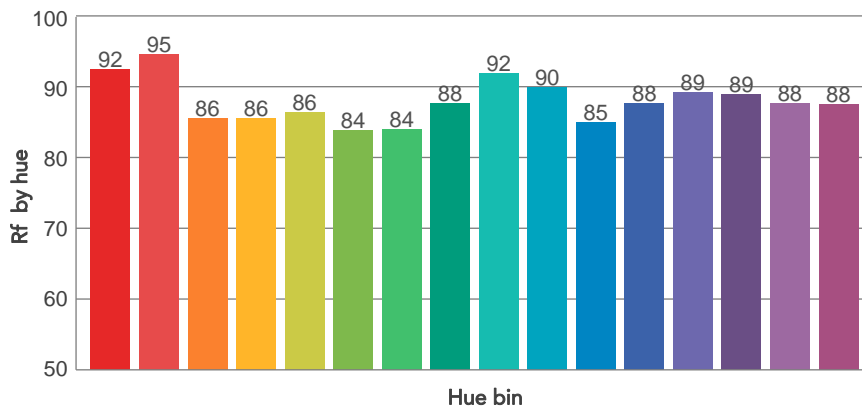
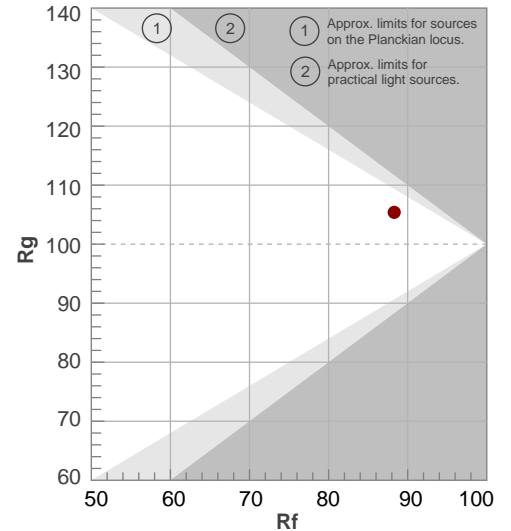
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 3233 K | 92,9 | 93,4 | 88,3 | 105,4 | 90,3 | 83 | 0,421 | 0,398 | 0,0001 |

TM30 DETAILS

Rf 88,3
Fidelity index Rf

Rg 105,4
Gammut index

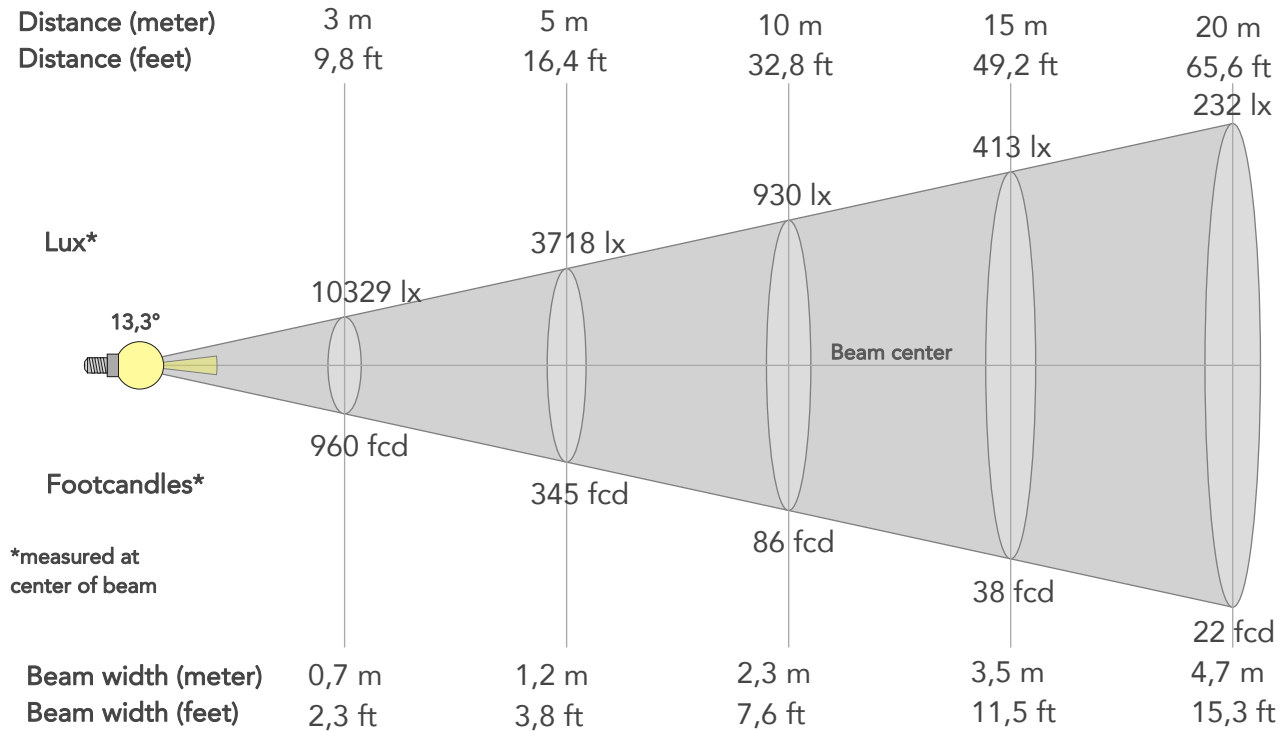
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 92 | -1% | -3% |
| 2 | 95 | -2% | 1% |
| 3 | 86 | 0% | 6% |
| 4 | 86 | 3% | 7% |
| 5 | 86 | 8% | 7% |
| 6 | 84 | 9% | 2% |
| 7 | 84 | 7% | -6% |
| 8 | 88 | 3% | -7% |
| 9 | 92 | -2% | -5% |
| 10 | 90 | -5% | 1% |
| 11 | 85 | -2% | 8% |
| 12 | 88 | 5% | 3% |
| 13 | 89 | 6% | -1% |
| 14 | 89 | 7% | -2% |
| 15 | 88 | 5% | -5% |
| 16 | 88 | 3% | -8% |



BEAM DETAILS



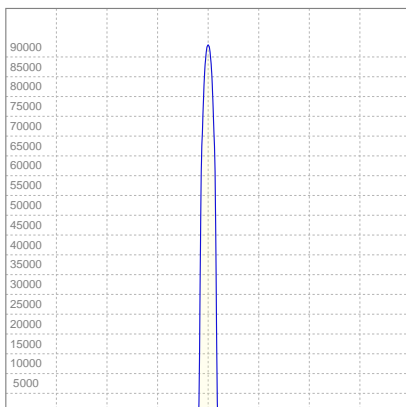
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,3° | 15,8° | 16,7° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 92958lx | 23239lx | 10329lx | 5810lx | 3718lx | 1653lx | 930lx | 413lx | 232lx | 149lx | 103lx | 58lx | 37lx |
| Footcand. | 8636fcd | 2159fcd | 960fcd | 540fcd | 345fcd | 154fcd | 86fcd | 38fcd | 22fcd | 14fcd | 10fcd | 5fcd | 3fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,7m | 2,3m | 3,5m | 4,7m | 5,8m | 7m | 9,3m | 11,6m |
| Beam wid. | 0,8ft | 1,5ft | 2,3ft | 3ft | 3,8ft | 5,7ft | 7,6ft | 11,5ft | 15,3ft | 19,1ft | 22,9ft | 30,5ft | 38,2ft |

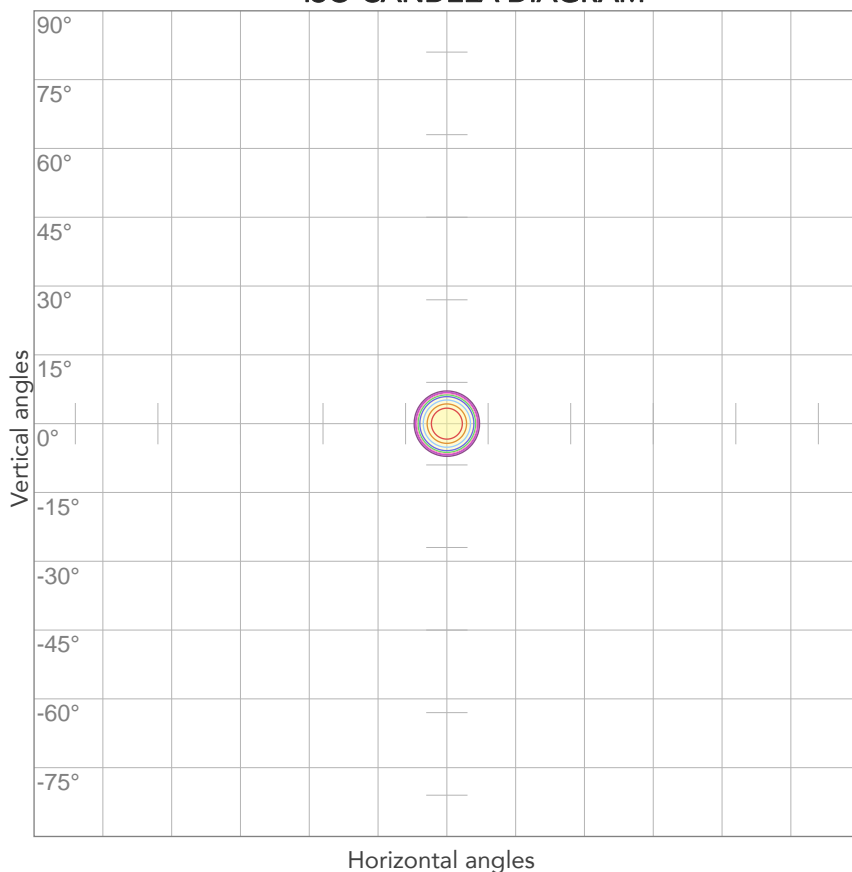
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,858A | 179,9W | 20lm/W |

ISO CANDELA DIAGRAM



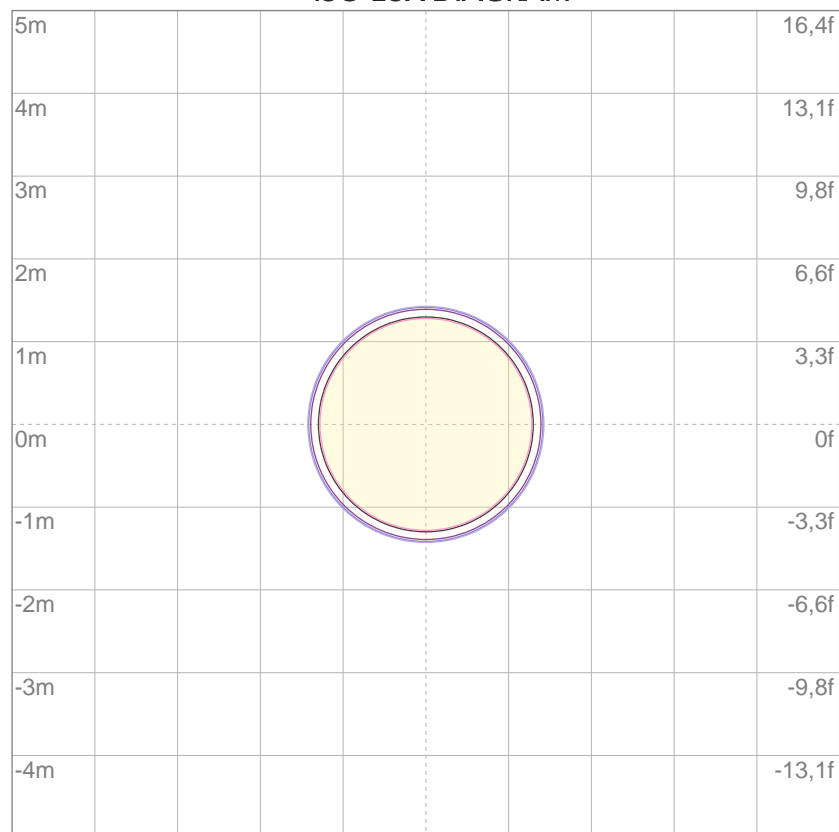
| | |
|-----|----------|
| 10% | 9296 cd |
| 20% | 18592 cd |
| 30% | 27887 cd |
| 40% | 37183 cd |
| 50% | 46479 cd |
| 60% | 55775 cd |
| 70% | 65070 cd |
| 80% | 74366 cd |

Conditions:

Number of c-planes: 2

Candela at center: 92958 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 27,9 lx |
| 5% | 46,5 lx |
| 10% | 93,0 lx |
| 30% | 279 lx |
| 50% | 465 lx |

Conditions:

Number of c-planes: 2

Lux at center: 930 lx

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



Total lumen output:

3799 lm

Peak candela output:

96667 cd

Light quality:

CRI: 95,4

Color temperature:

4020 K

PRODUCT NAME:

ECLCTPLUS

MEASURAMENT CONDITIONS:

Beam angle:

PRL14

Target:

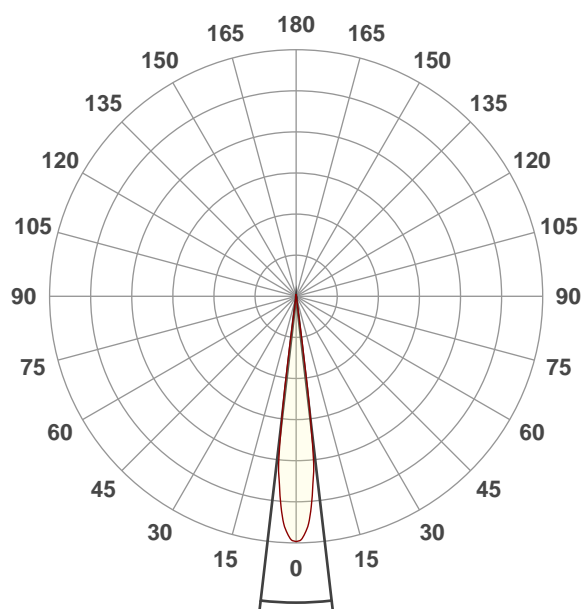
4000K HQ

Operator:

Paolo Carvone

Date and time:

14/07/2020 12:50:41

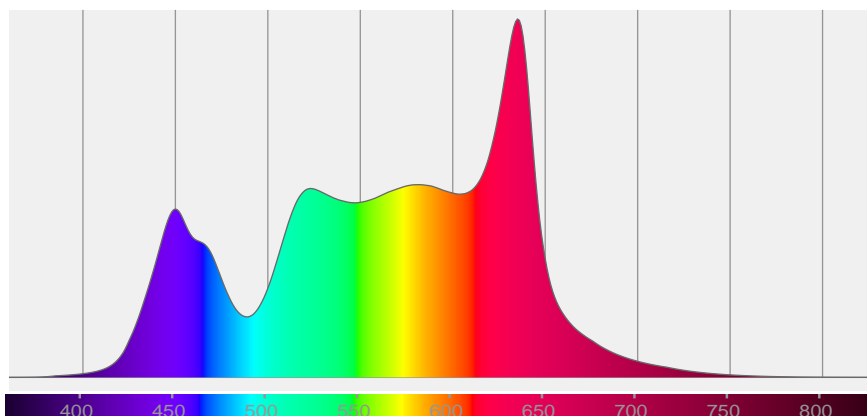


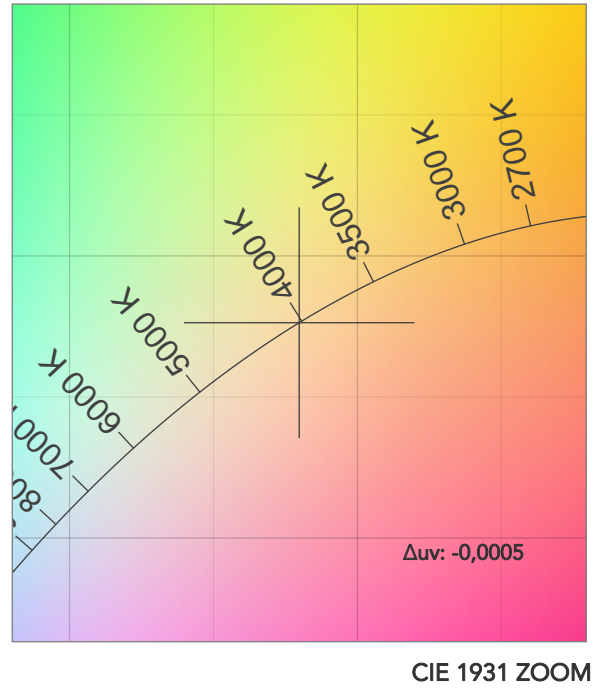
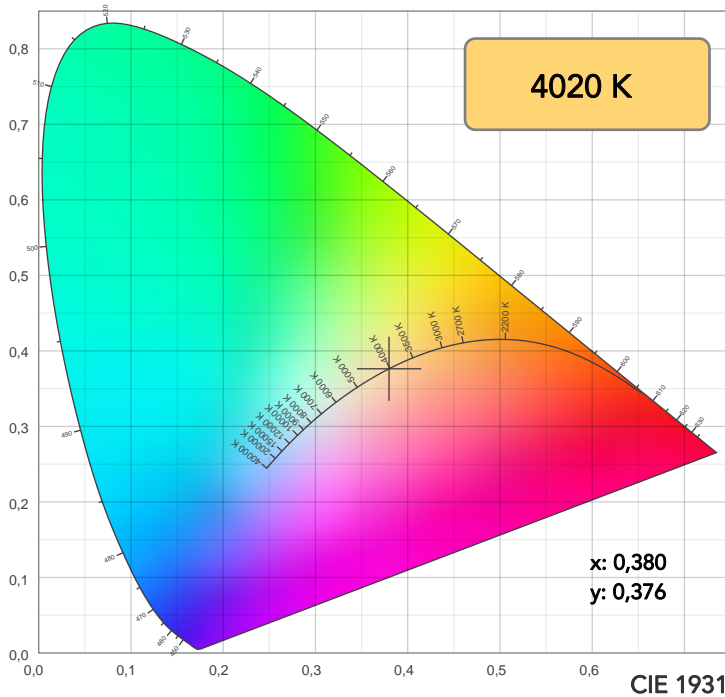
Beam angle 50%: 13,3°

Field angle 10%: 15,8°

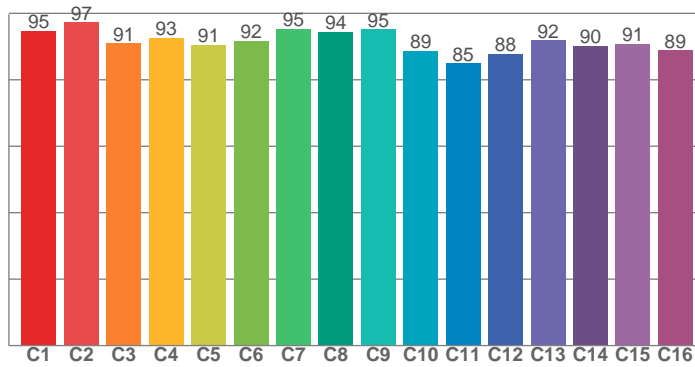
Cut off angle 2.5%: 16,8°

Spectra

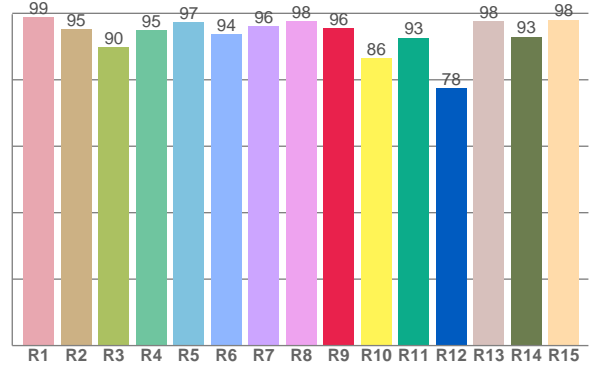




TM30: 91,6



CRI: 95,4 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,8 | 95,1 | 89,7 | 95,0 | 97,3 | 93,6 | 96,0 | 97,6 | 95,5 | 86,5 | 92,7 | 77,5 | 97,6 | 93,0 | 98,1 |

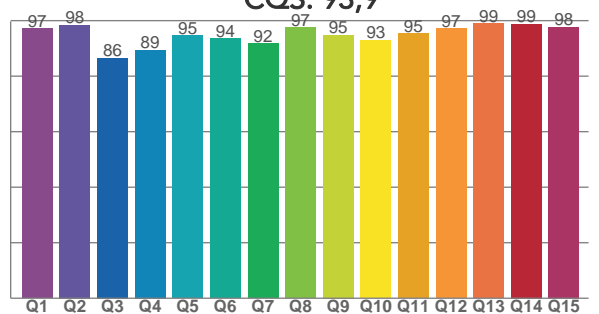
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,8 | 97,2 | 91,0 | 92,6 | 90,6 | 91,7 | 95,4 | 94,5 | 95,1 | 88,8 | 84,9 | 87,8 | 91,8 | 90,2 | 90,8 | 88,8 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,1 | 98,5 | 86,5 | 89,4 | 94,7 | 93,6 | 91,7 | 97,4 | 94,9 | 92,9 | 95,3 | 97,2 | 98,9 | 98,9 | 97,7 |

CQS: 93,9



COLOR PARAMETERS

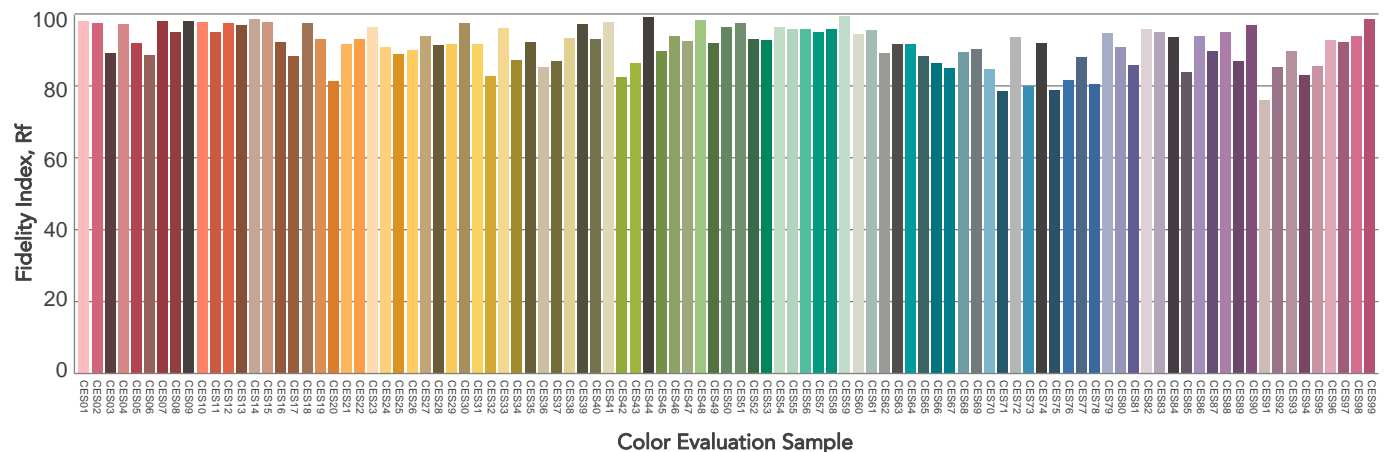
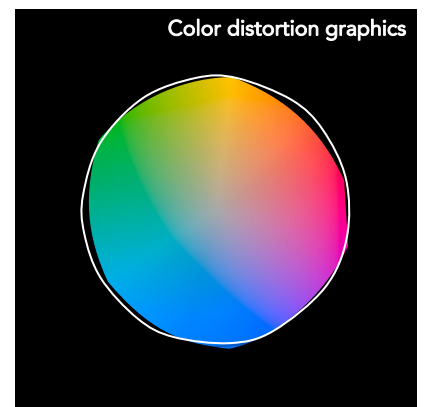
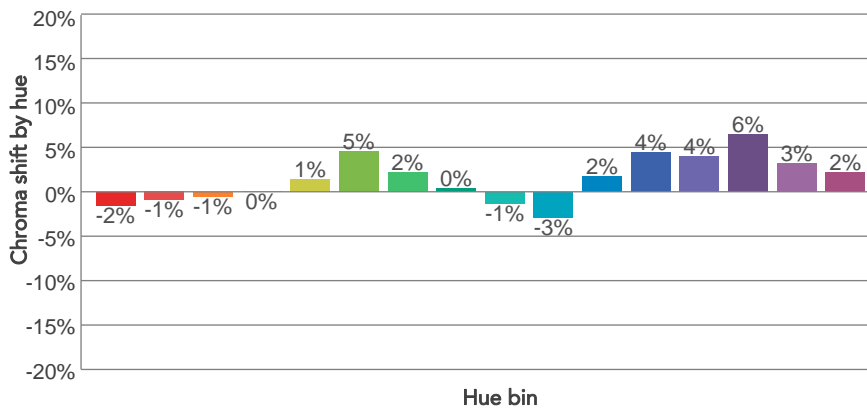
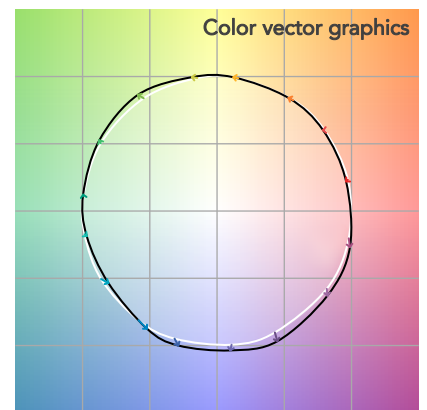
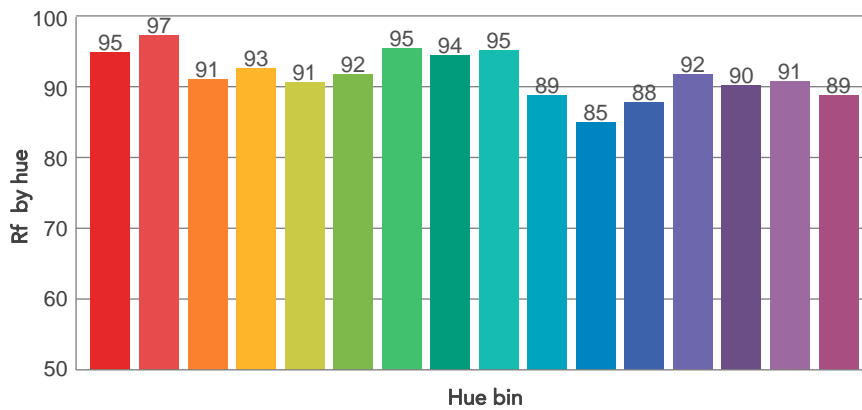
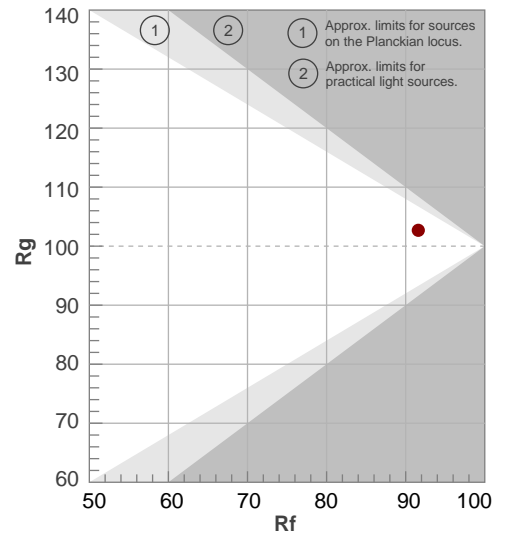
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 4020 K | 95,4 | 95,5 | 91,6 | 102,7 | 93,9 | 90 | 0,380 | 0,376 | -0,0005 |

TM30 DETAILS

Rf 91,6
Fidelity index Rf

Rg 102,7
Gammut index

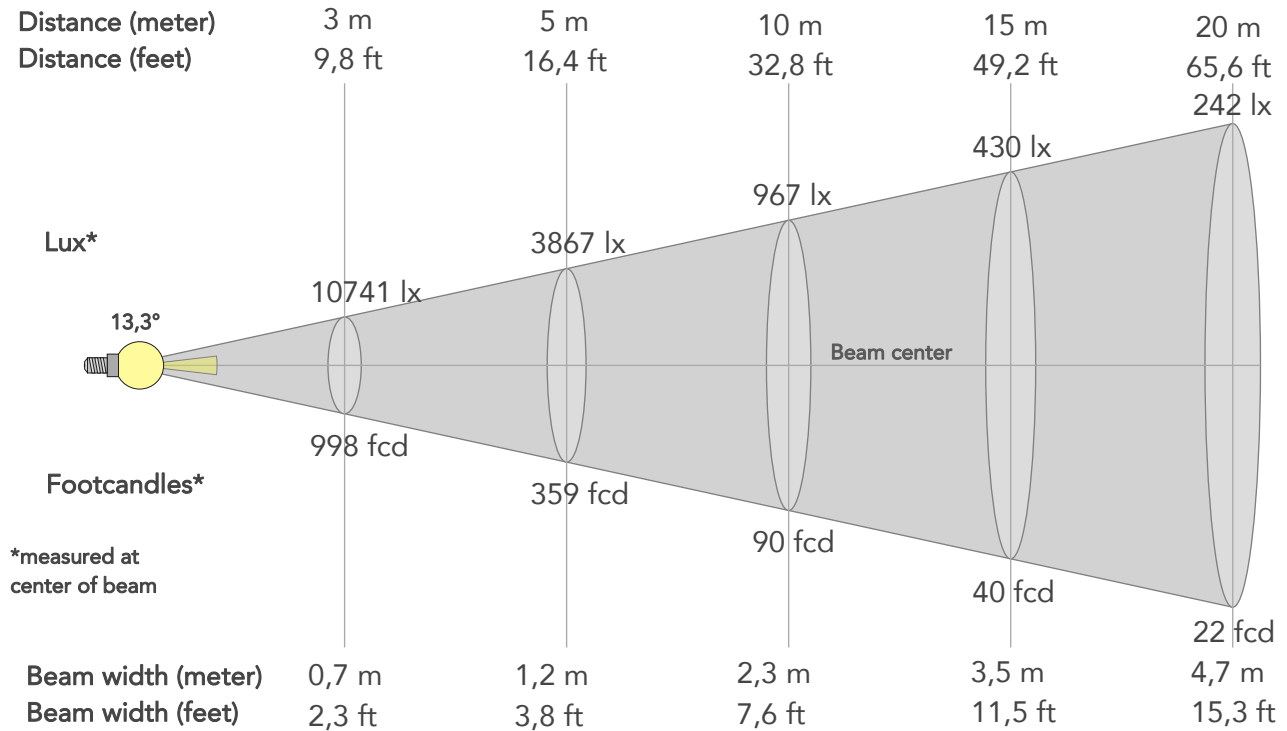
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -2% | -1% |
| 2 | 97 | -1% | 0% |
| 3 | 91 | -1% | 4% |
| 4 | 93 | 0% | 4% |
| 5 | 91 | 1% | 4% |
| 6 | 92 | 5% | 2% |
| 7 | 95 | 2% | -1% |
| 8 | 94 | 0% | -1% |
| 9 | 95 | -1% | 2% |
| 10 | 89 | -3% | 5% |
| 11 | 85 | 2% | 9% |
| 12 | 88 | 4% | 4% |
| 13 | 92 | 4% | -2% |
| 14 | 90 | 6% | -2% |
| 15 | 91 | 3% | -4% |
| 16 | 89 | 2% | -6% |



BEAM DETAILS



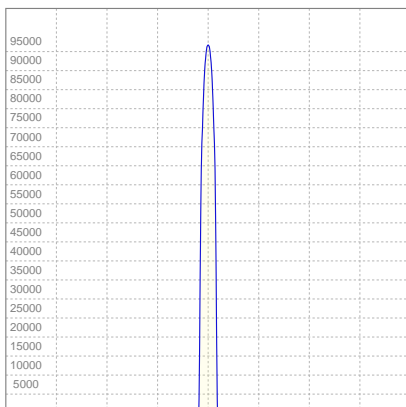
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,3° | 15,8° | 16,8° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 96667lx | 24167lx | 10741lx | 6042lx | 3867lx | 1719lx | 967lx | 430lx | 242lx | 155lx | 107lx | 60lx | 39lx |
| Footcand. | 8981fcd | 2245fcd | 998fcd | 561fcd | 359fcd | 160fcd | 90fcd | 40fcd | 22fcd | 14fcd | 10fcd | 6fcd | 4fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,7m | 2,3m | 3,5m | 4,7m | 5,8m | 7m | 9,3m | 11,7m |
| Beam wid. | 0,8ft | 1,5ft | 2,3ft | 3,1ft | 3,8ft | 5,7ft | 7,6ft | 11,5ft | 15,3ft | 19,1ft | 22,9ft | 30,6ft | 38,2ft |

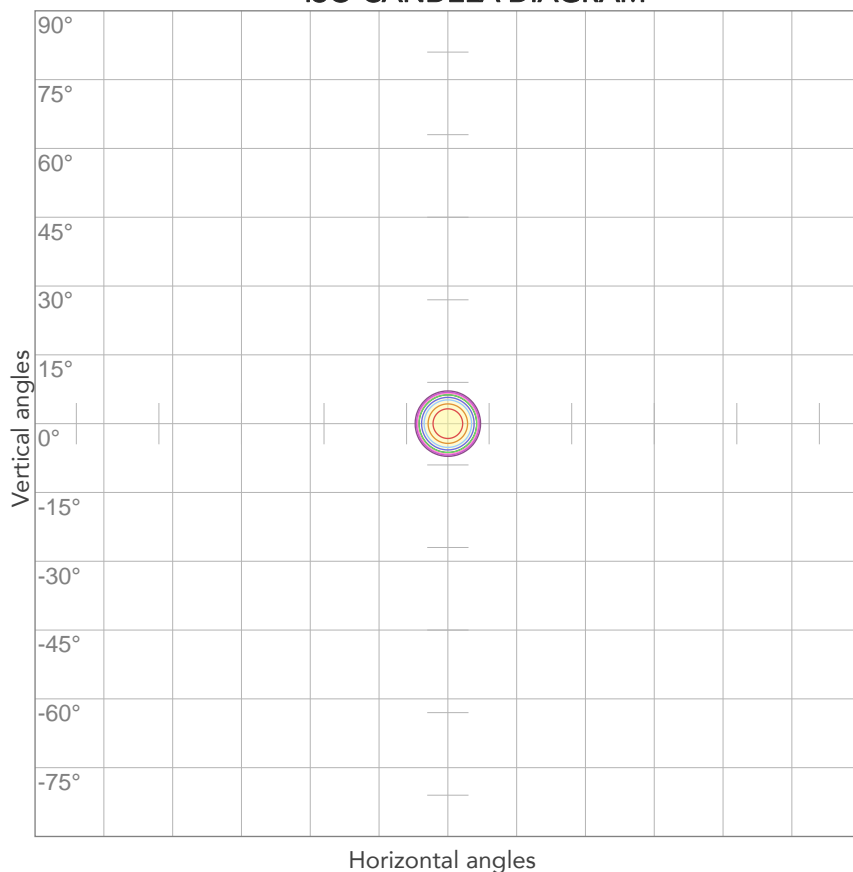
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,930A | 196,4W | 19lm/W |

ISO CANDELA DIAGRAM



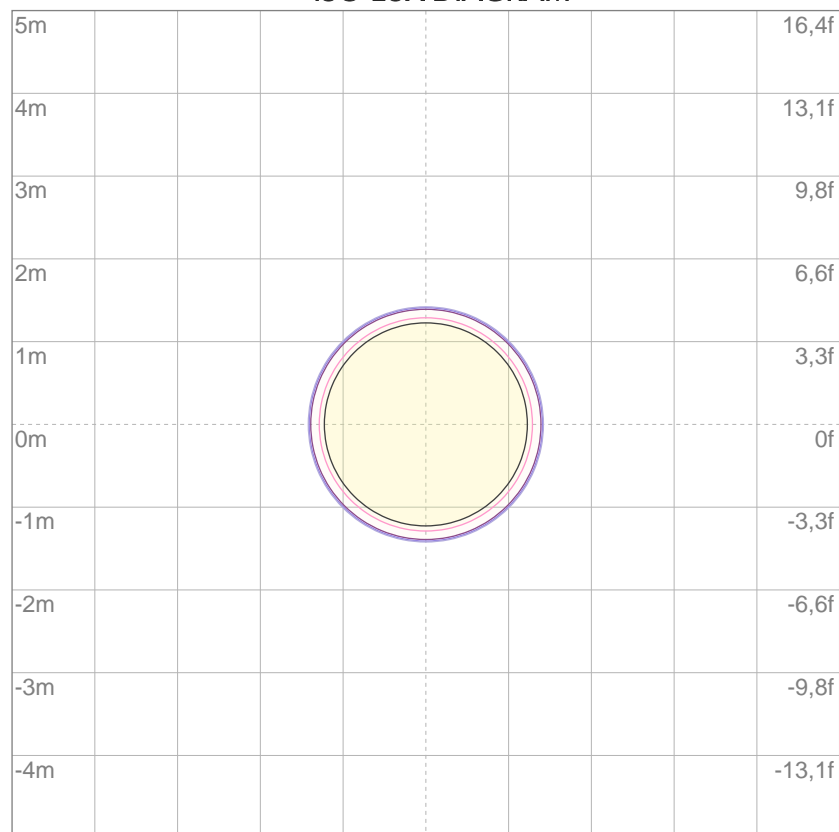
| | |
|-----|----------|
| 10% | 9667 cd |
| 20% | 19333 cd |
| 30% | 29000 cd |
| 40% | 38667 cd |
| 50% | 48334 cd |
| 60% | 58000 cd |
| 70% | 67667 cd |
| 80% | 77334 cd |

Conditions:

Number of c-planes: 2

Candela at center: 96667 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 29,0 lx |
| 5% | 48,3 lx |
| 10% | 96,7 lx |
| 30% | 290 lx |
| 50% | 483 lx |

Conditions:

Number of c-planes: 2

Lux at center: 967 lx

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



Total lumen output:

4057 lm

Peak candela output:

103364 cd

Light quality:

CRI: 97,4

Color temperature:

5563 K

PRODUCT NAME:

ECLCTPLUS

MEASURAMENT CONDITIONS:

Beam angle:

PRL14

Target:

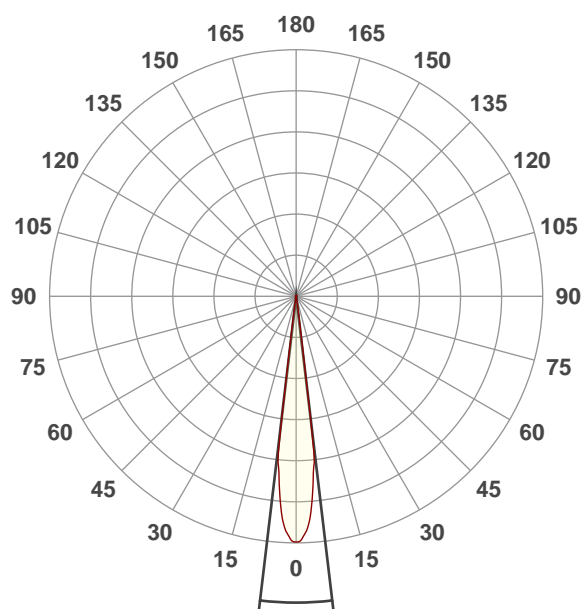
5600K HQ

Operator:

Paolo Carvone

Date and time:

14/07/2020 12:52:08

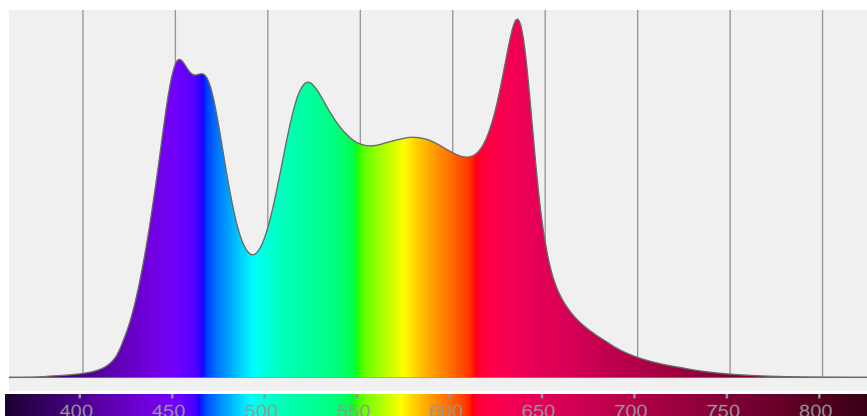


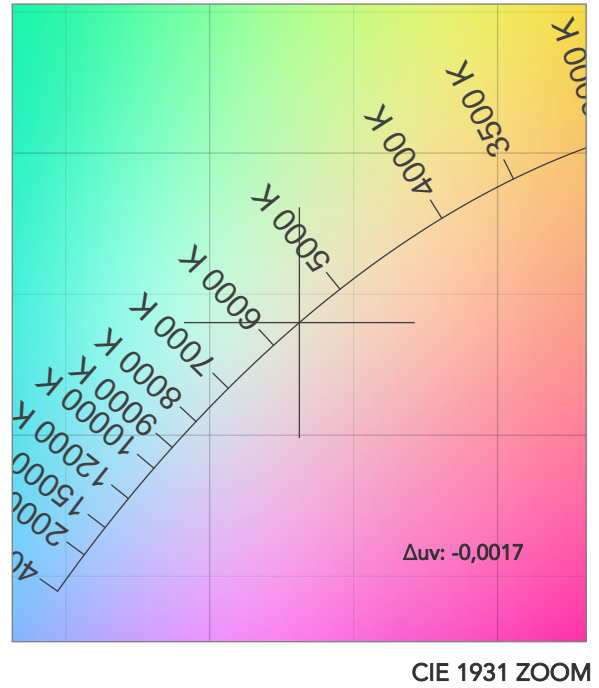
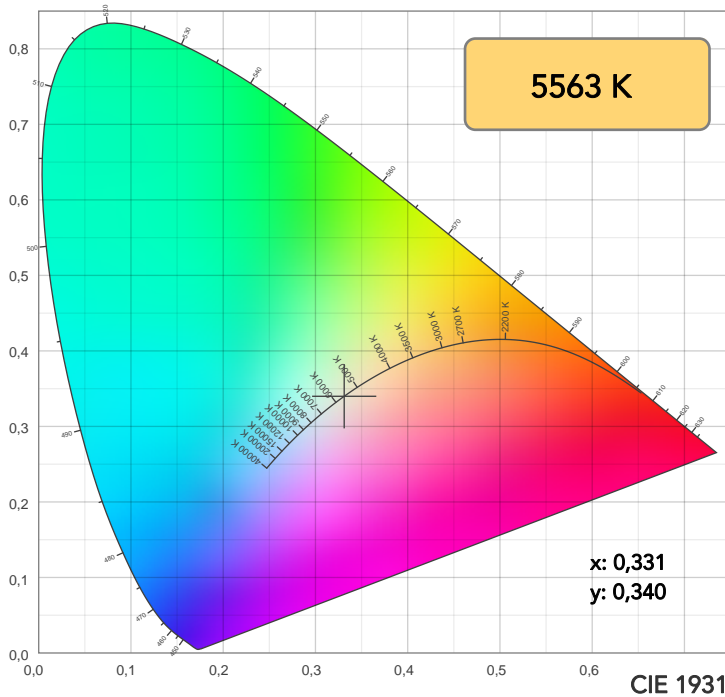
Beam angle 50%: 13,5°

Field angle 10%: 15,5°

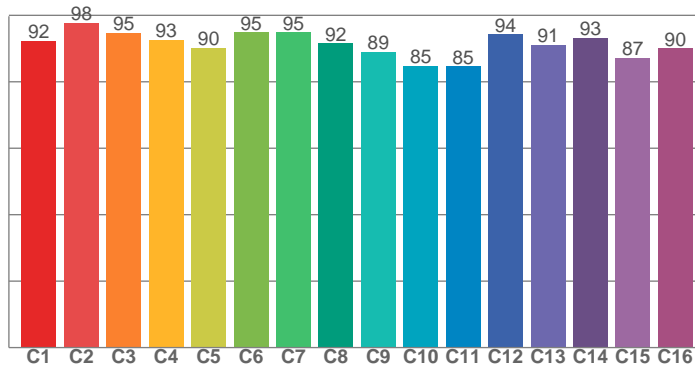
Cut off angle 2.5%: 16,8°

Spectra

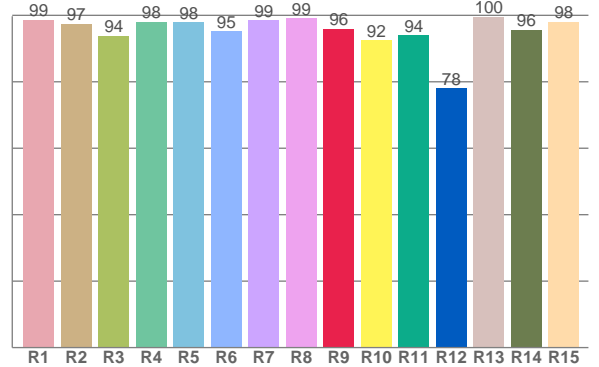




TM30: 91,3



CRI: 97,4 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,7 | 97,5 | 93,9 | 98,1 | 97,8 | 95,3 | 98,5 | 99,2 | 95,9 | 92,4 | 93,9 | 78,2 | 99,6 | 95,6 | 98,1 |

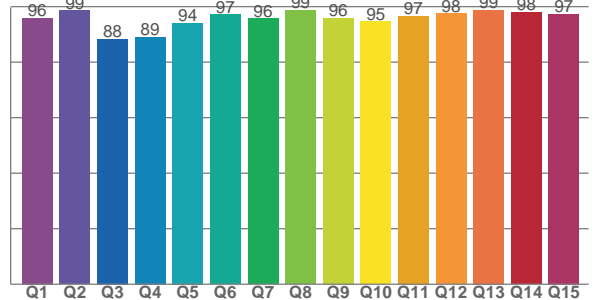
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,4 | 97,7 | 94,7 | 92,7 | 90,2 | 94,8 | 94,9 | 91,5 | 88,9 | 84,9 | 84,7 | 94,3 | 91,1 | 93,2 | 87,3 | 90,1 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,9 | 98,6 | 88,4 | 89,0 | 94,0 | 97,1 | 95,8 | 98,7 | 95,9 | 94,6 | 96,6 | 97,5 | 98,8 | 98,0 | 97,3 |

CQS: 94,7



COLOR PARAMETERS

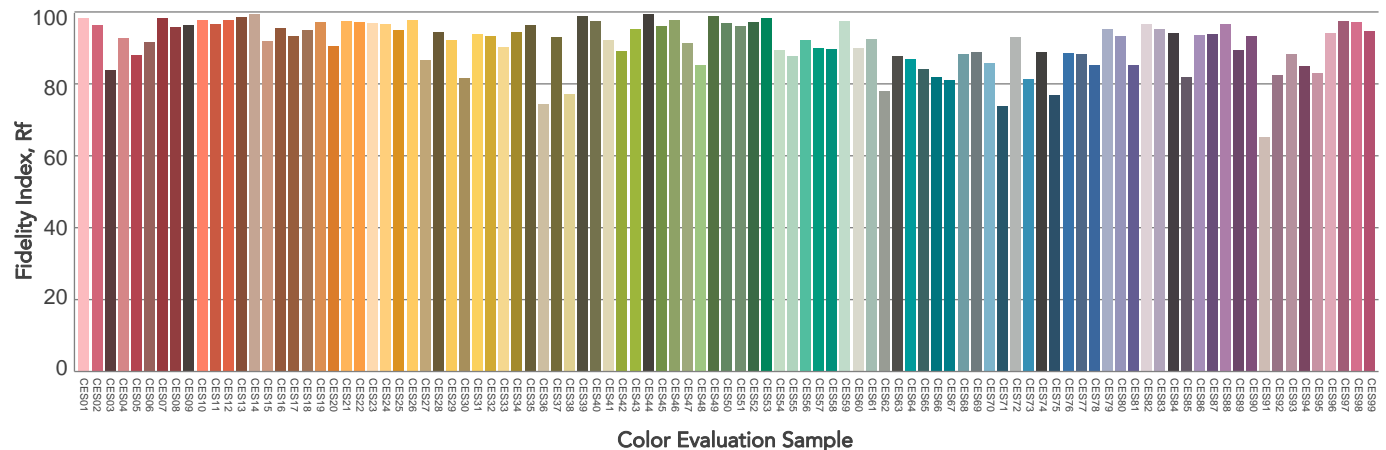
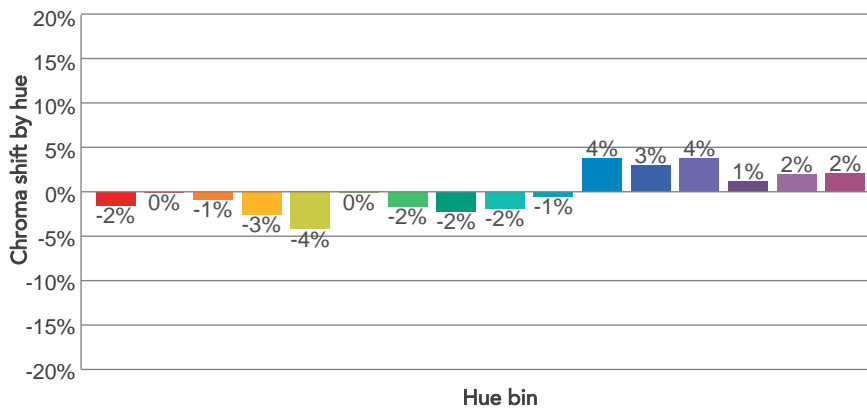
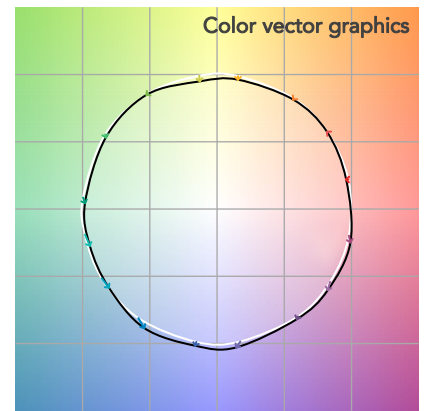
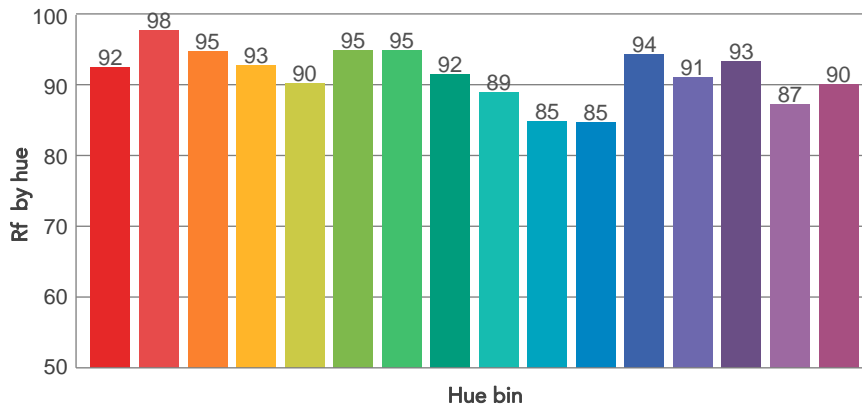
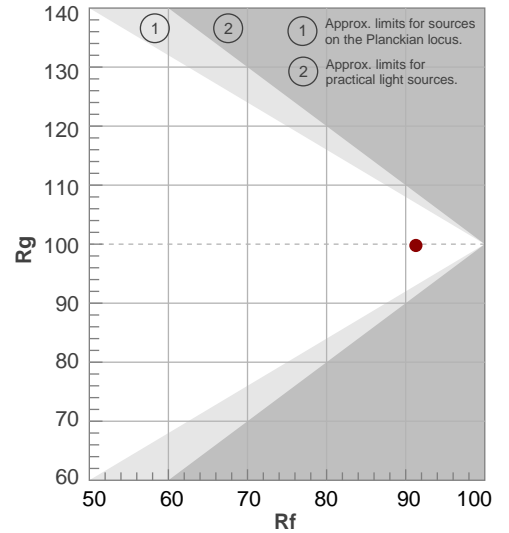
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 5563 K | 97,4 | 95,9 | 91,3 | 99,8 | 94,7 | 94 | 0,331 | 0,340 | -0,0017 |

TM30 DETAILS

Rf 91,3
Fidelity index Rf

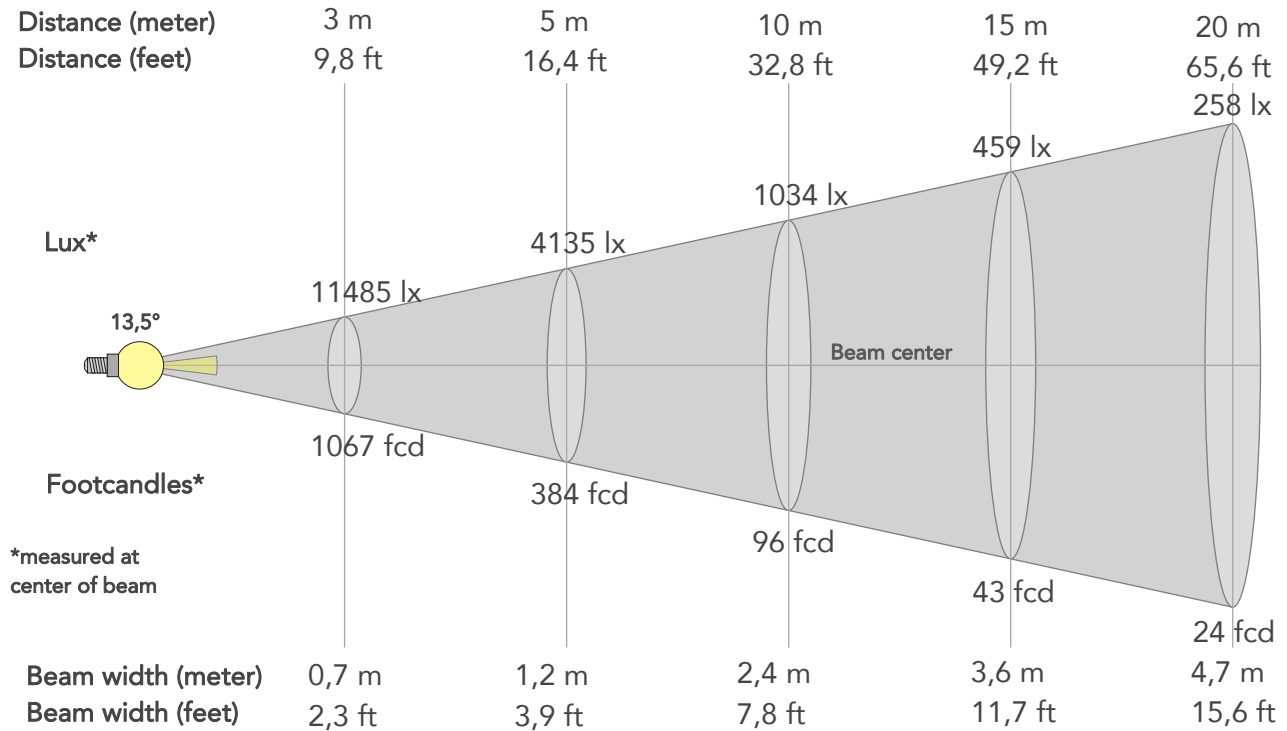
Rg 99,8
Gammut index

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 92 | -2% | 0% |
| 2 | 98 | 0% | 0% |
| 3 | 95 | -1% | 0% |
| 4 | 93 | -3% | -1% |
| 5 | 90 | -4% | 0% |
| 6 | 95 | 0% | 2% |
| 7 | 95 | -2% | 2% |
| 8 | 92 | -2% | 4% |
| 9 | 89 | -2% | 9% |
| 10 | 85 | -1% | 9% |
| 11 | 85 | 4% | 8% |
| 12 | 94 | 3% | 0% |
| 13 | 91 | 4% | -4% |
| 14 | 93 | 1% | -2% |
| 15 | 87 | 2% | -6% |
| 16 | 90 | 2% | -5% |



BEAM DETAILS

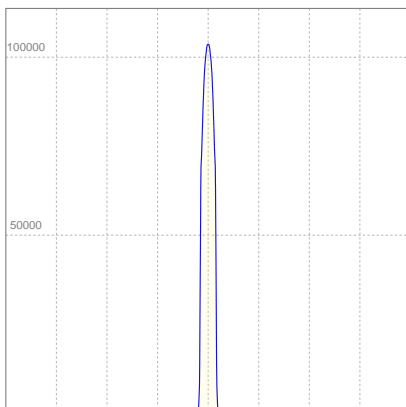
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,5° | 15,5° | 16,8° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 103364lx | 25841lx | 11485lx | 6460lx | 4135lx | 1838lx | 1034lx | 459lx | 258lx | 165lx | 115lx | 65lx | 41lx |
| Footcand. | 9603fcd | 2401fcd | 1067fcd | 600fcd | 384fcd | 171fcd | 96fcd | 43fcd | 24fcd | 15fcd | 11fcd | 6fcd | 4fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,8m | 2,4m | 3,6m | 4,7m | 5,9m | 7,1m | 9,5m | 11,9m |
| Beam wid. | 0,8ft | 1,6ft | 2,3ft | 3,1ft | 3,9ft | 5,8ft | 7,8ft | 11,7ft | 15,6ft | 19,5ft | 23,4ft | 31,1ft | 38,9ft |

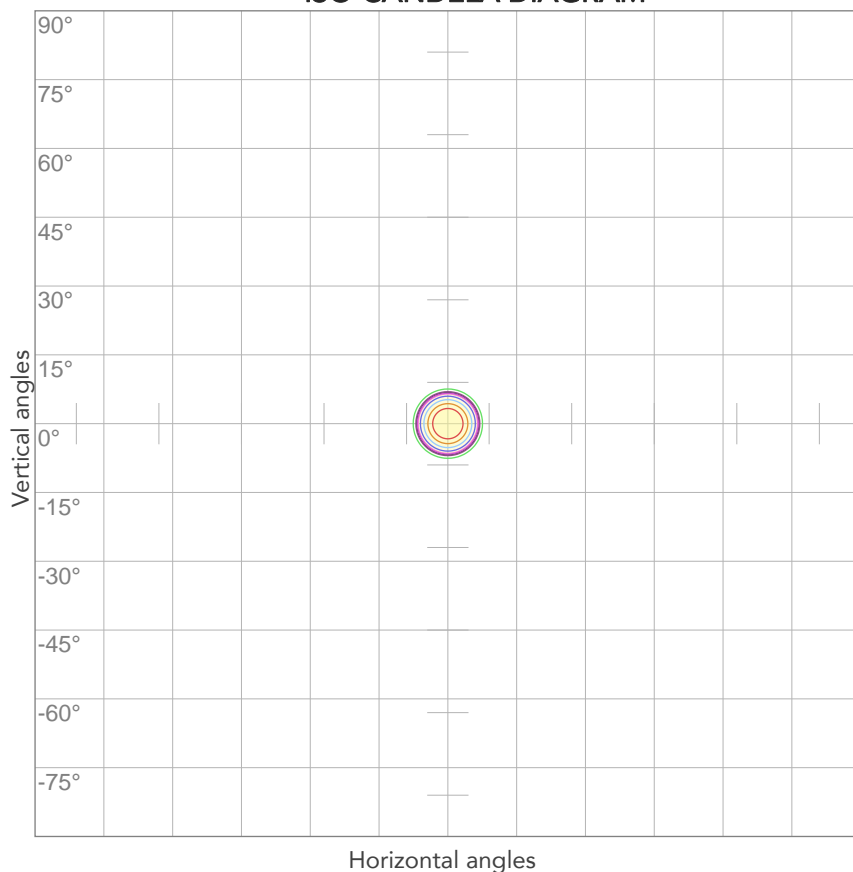
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 224V | 1,06A | 225,6W | 18lm/W |

ISO CANDELA DIAGRAM



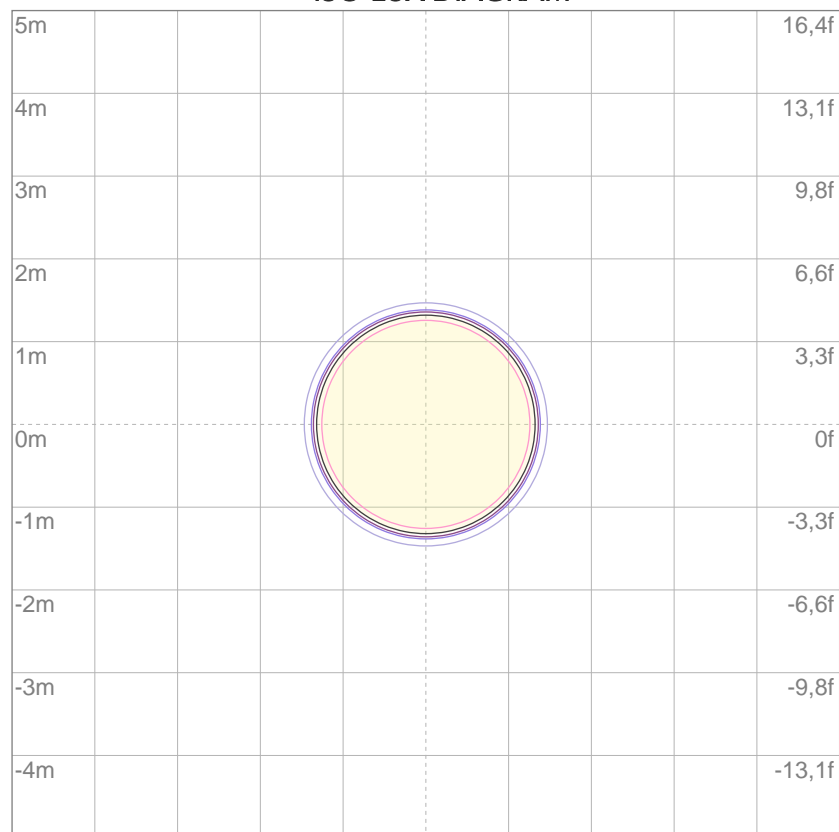
| | |
|-----|----------|
| 10% | 10336 cd |
| 20% | 20673 cd |
| 30% | 31009 cd |
| 40% | 41345 cd |
| 50% | 51682 cd |
| 60% | 62018 cd |
| 70% | 72355 cd |
| 80% | 82691 cd |

Conditions:

Number of c-planes: 2

Candela at center: 103364 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 31,0 lx |
| 5% | 51,7 lx |
| 10% | 103 lx |
| 30% | 310 lx |
| 50% | 517 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1034 lx

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



Total lumen output:

4093 lm

Peak candela output:

102671 cd

Light quality:

CRI: 97,5

Color temperature:

6016 K

PRODUCT NAME:

ECLCTPLUS

MEASURAMENT CONDITIONS:

Beam angle:

PRL14

Target:

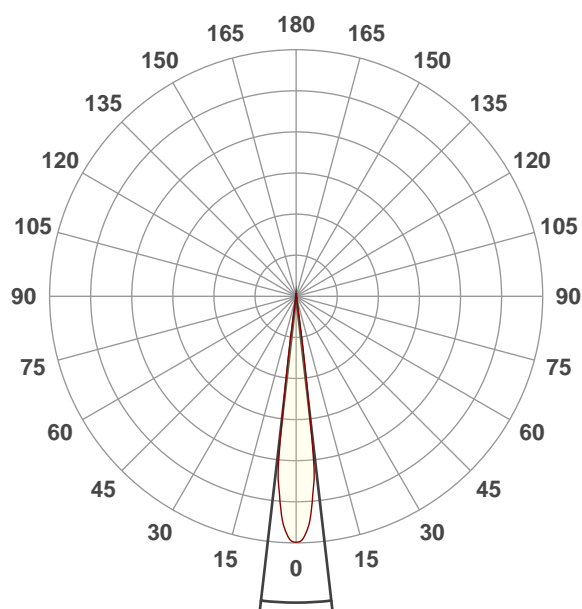
6000K HQ

Operator:

Paolo Carvone

Date and time:

14/07/2020 12:53:51

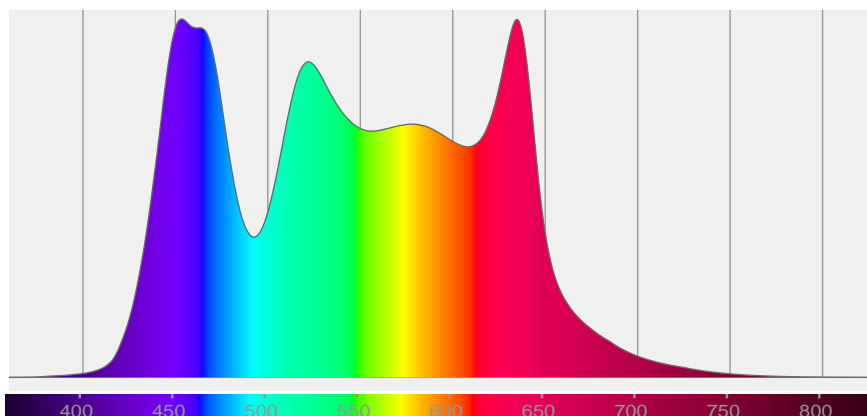


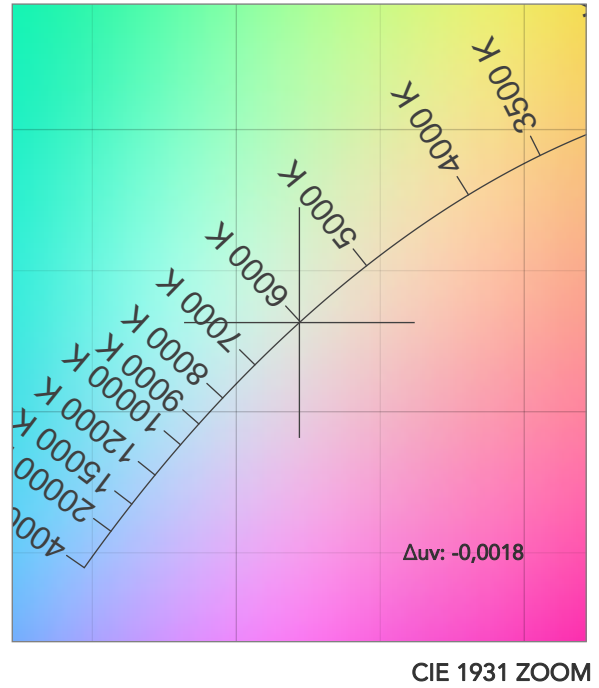
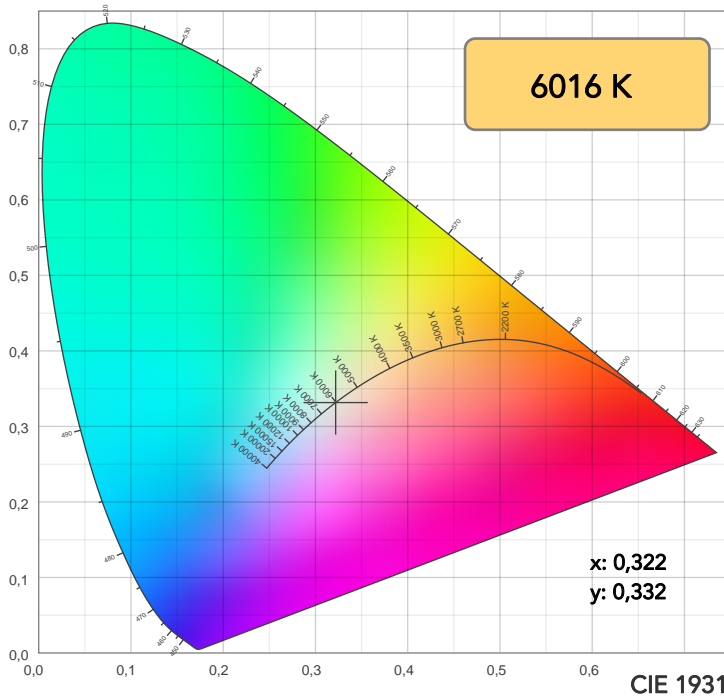
Beam angle 50%: 13,2°

Field angle 10%: 16,3°

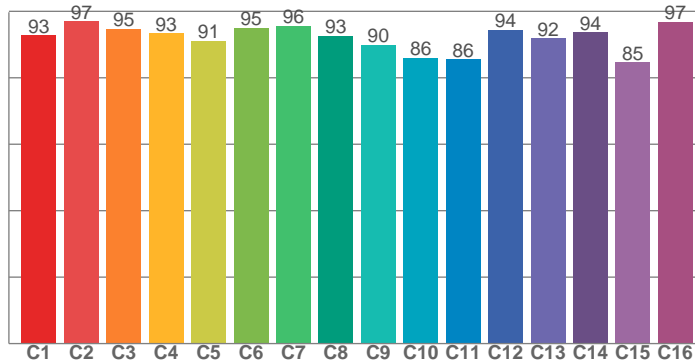
Cut off angle 2.5%: 17,1°

Spectra

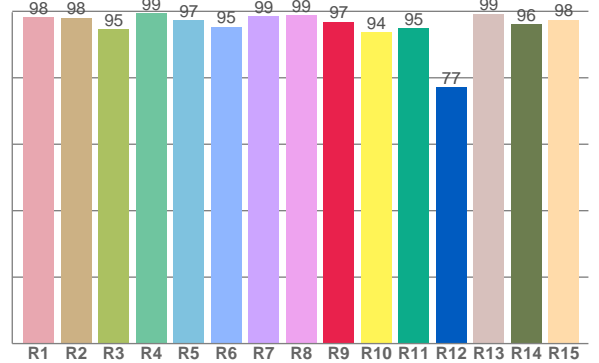




TM30: 91,9



CRI: 97,5 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,2 | 98,1 | 94,6 | 99,4 | 97,3 | 95,3 | 98,5 | 98,8 | 96,9 | 93,8 | 94,9 | 77,1 | 99,3 | 96,1 | 97,5 |

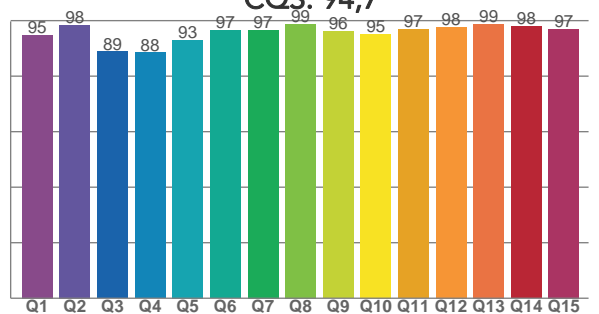
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,8 | 97,0 | 94,8 | 93,3 | 91,1 | 95,0 | 95,6 | 92,6 | 89,9 | 85,9 | 85,5 | 94,3 | 91,8 | 93,6 | 84,6 | 96,8 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,9 | 98,4 | 88,8 | 88,4 | 93,1 | 96,5 | 96,6 | 98,8 | 96,1 | 95,3 | 96,9 | 97,8 | 98,9 | 98,0 | 97,0 |

CQS: 94,7



COLOR PARAMETERS

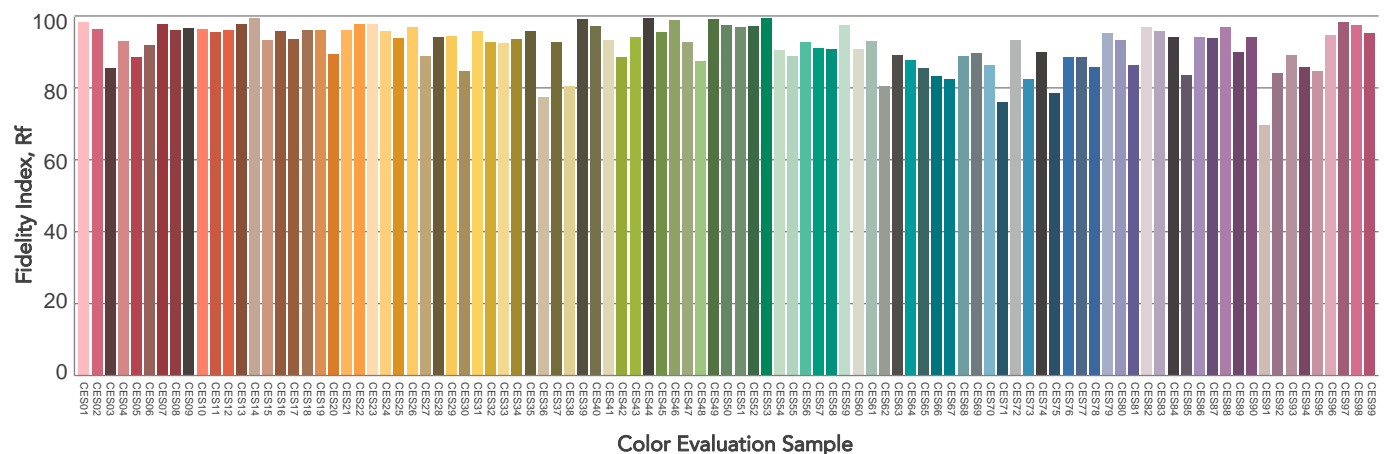
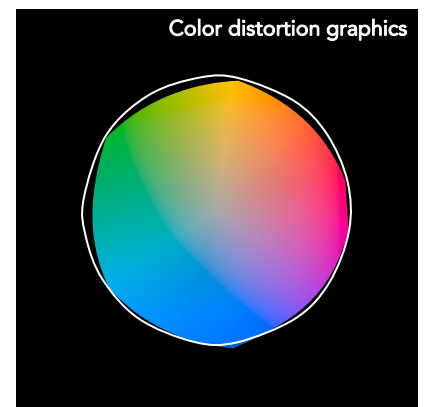
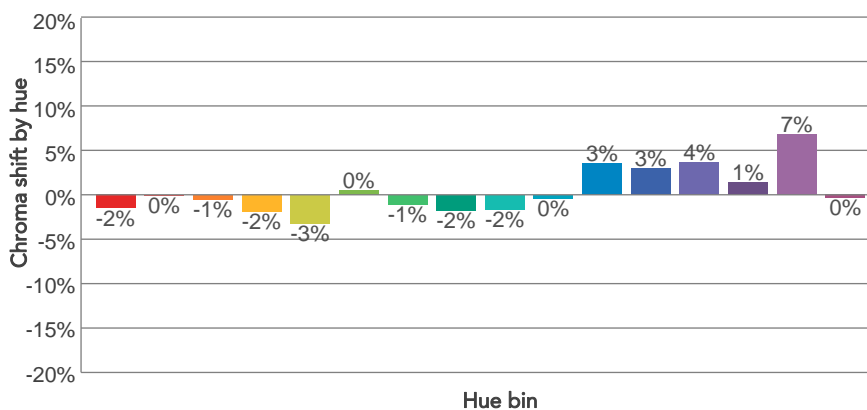
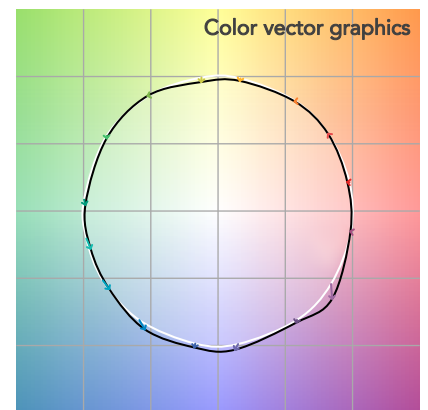
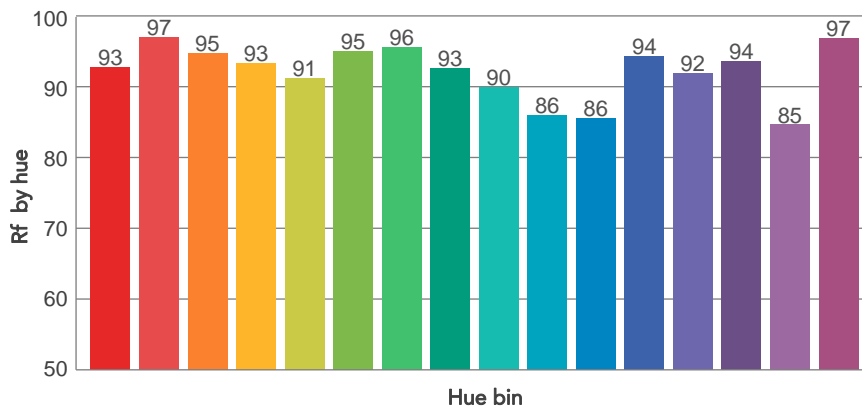
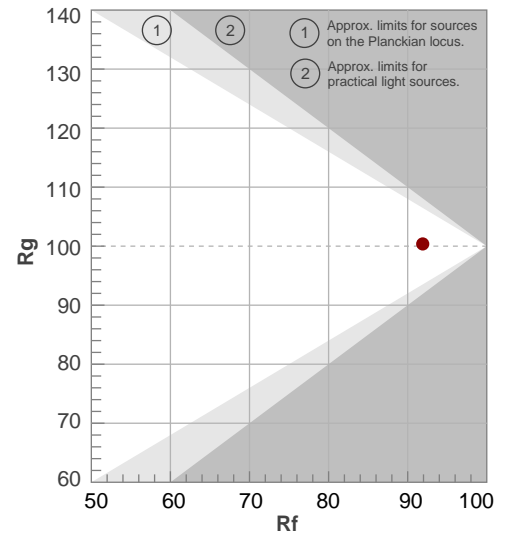
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 6016 K | 97,5 | 96,9 | 91,9 | 100,4 | 94,7 | 95 | 0,322 | 0,332 | -0,0018 |

TM30 DETAILS

Rf 91,9
Fidelity index Rf

Rg 100,4
Gammut index

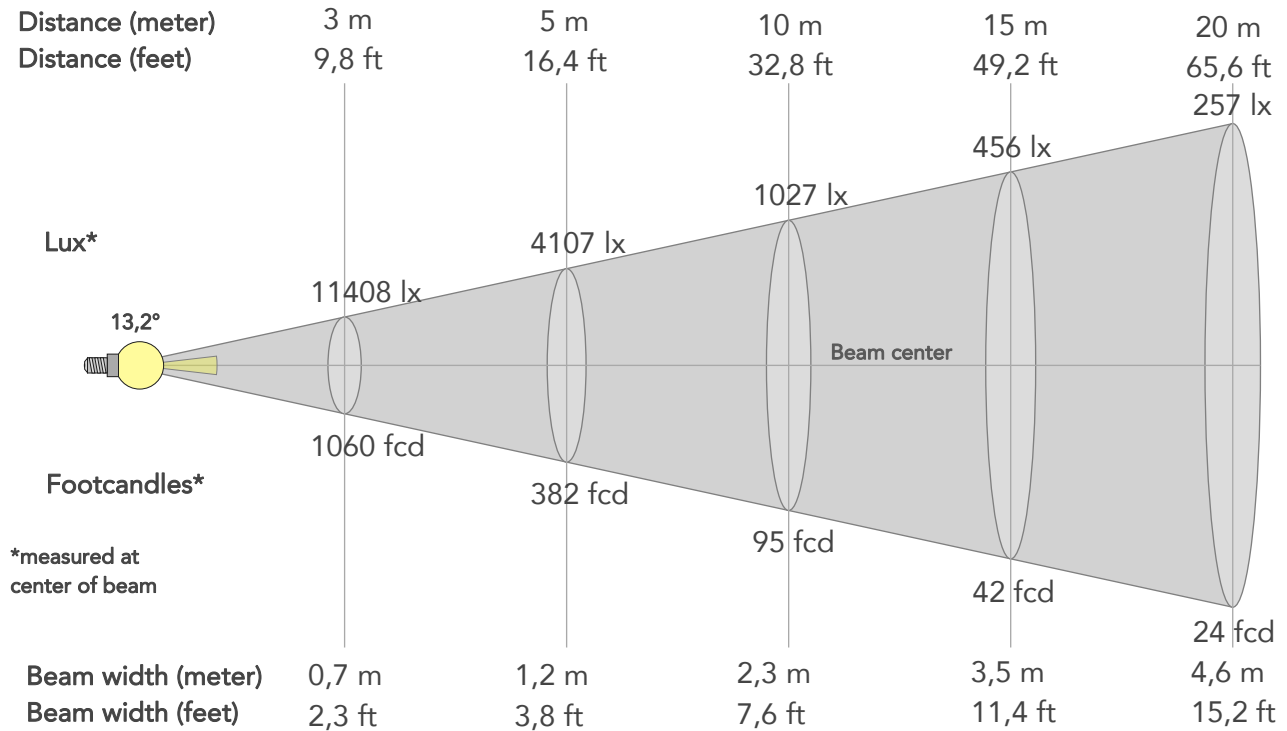
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 93 | -2% | 1% |
| 2 | 97 | 0% | 1% |
| 3 | 95 | -1% | 1% |
| 4 | 93 | -2% | 0% |
| 5 | 91 | -3% | 1% |
| 6 | 95 | 0% | 2% |
| 7 | 96 | -1% | 1% |
| 8 | 93 | -2% | 4% |
| 9 | 90 | -2% | 8% |
| 10 | 86 | 0% | 8% |
| 11 | 86 | 3% | 7% |
| 12 | 94 | 3% | 0% |
| 13 | 92 | 4% | -3% |
| 14 | 94 | 1% | -1% |
| 15 | 85 | 7% | -9% |
| 16 | 97 | 0% | 0% |



BEAM DETAILS



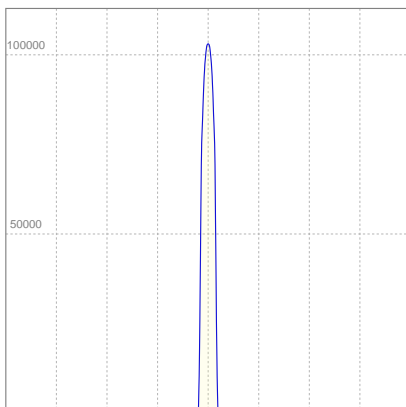
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,2° | 16,3° | 17,1° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|----------|---------|---------|--------|--------|--------|--------|--------|--------|-------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 102671lx | 25668lx | 11408lx | 6417lx | 4107lx | 1825lx | 1027lx | 456lx | 257lx | 164lx | 114lx | 64lx | 41lx |
| Footcand. | 9538fcd | 2385fcd | 1060fcd | 596fcd | 382fcd | 170fcd | 95fcd | 42fcd | 24fcd | 15fcd | 11fcd | 6fcd | 4fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 0,9m | 1,2m | 1,7m | 2,3m | 3,5m | 4,6m | 5,8m | 6,9m | 9,2m | 11,6m |
| Beam wid. | 0,8ft | 1,5ft | 2,3ft | 3ft | 3,8ft | 5,7ft | 7,6ft | 11,4ft | 15,2ft | 19ft | 22,7ft | 30,3ft | 37,9ft |

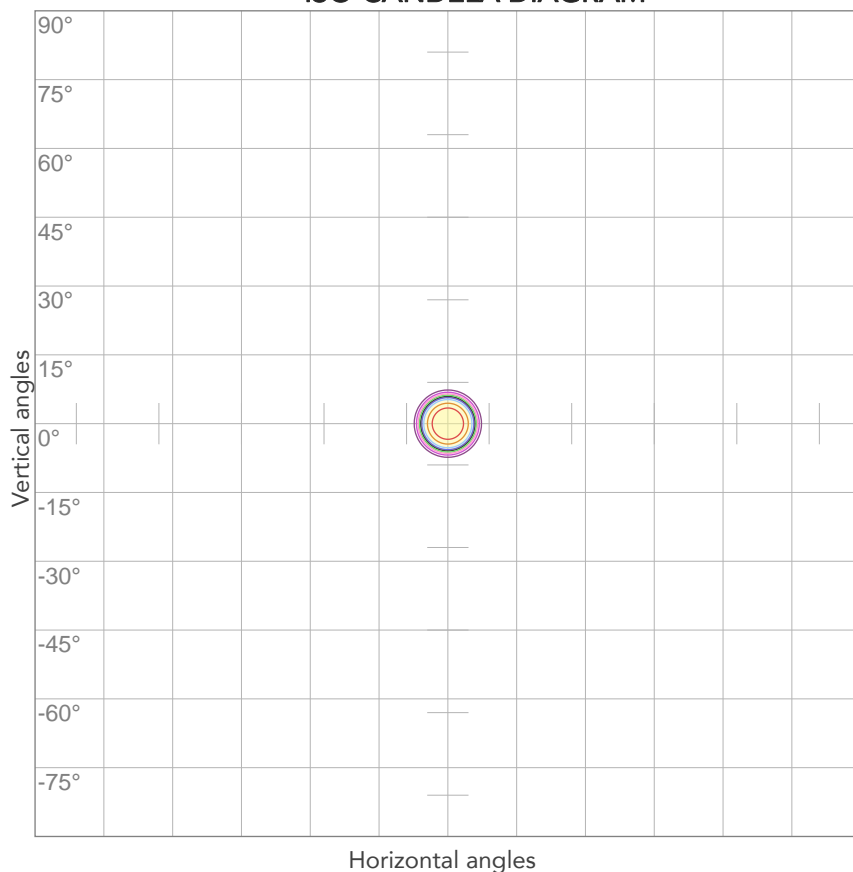
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 1,08A | 229,8W | 18lm/W |

ISO CANDELA DIAGRAM



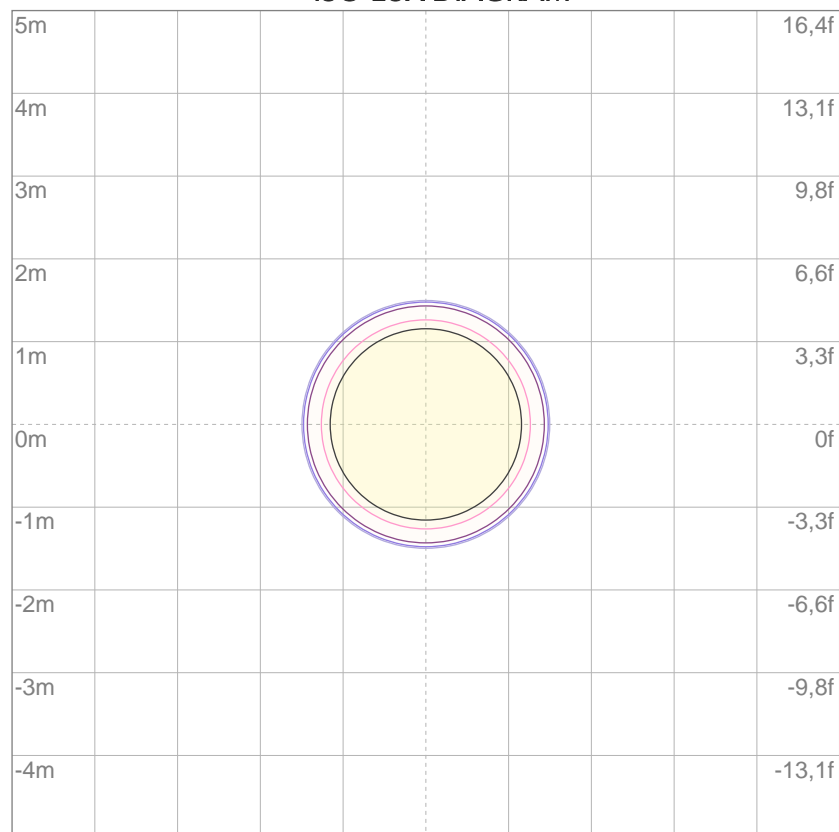
| | |
|-----|----------|
| 10% | 10267 cd |
| 20% | 20534 cd |
| 30% | 30801 cd |
| 40% | 41068 cd |
| 50% | 51336 cd |
| 60% | 61603 cd |
| 70% | 71870 cd |
| 80% | 82137 cd |

Conditions:

Number of c-planes: 2

Candela at center: 102671 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 30,8 lx |
| 5% | 51,3 lx |
| 10% | 103 lx |
| 30% | 308 lx |
| 50% | 513 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1027 lx

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