

# Photometric Test Report



## Muse Profile70 CT+

Testa mobile profile a 6 colori da 1000 W, zoom  
6° - 50°

(HB Mode)

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**Preset 2800K**

Beam Angle Max Zoom 74

Beam angle Med Zoom 79

Beam angle Min Zoom 84

**Preset 3200K**

Beam angle Max Zoom 89

Beam angle Med Zoom 94

Beam angle Min Zoom 99

**Preset 4000K**

Beam angle Max Zoom 104

Beam angle Med Zoom 109

Beam angle Min Zoom 114

**Preset 5600K**

Beam angle Max Zoom 119

Beam angle Med Zoom 124

Beam angle Min Zoom 129

**Preset 6000K**

Beam angle Max Zoom 134

Beam angle Med Zoom 139

Beam angle Min Zoom 144

## 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:

21132 lm

Peak candela output:

39764 cd

Light quality:

CRI: 93,9

Color temperature:

6333 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

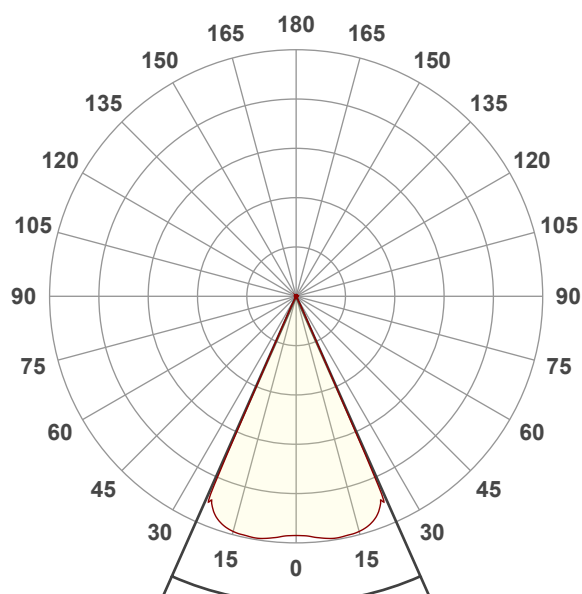
Full On - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 10:07:51

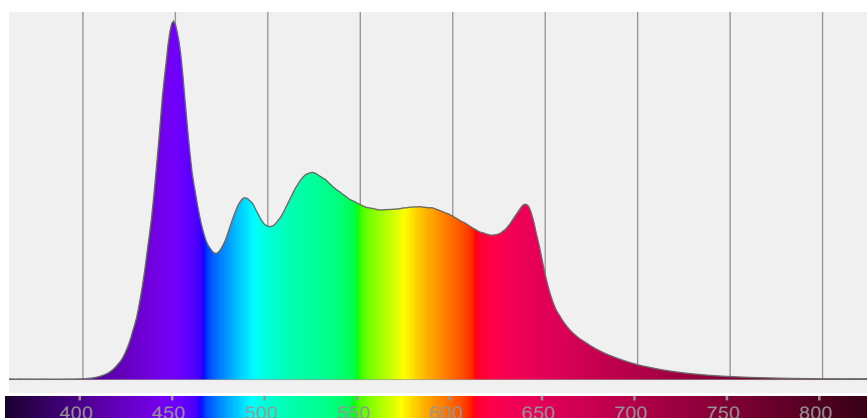


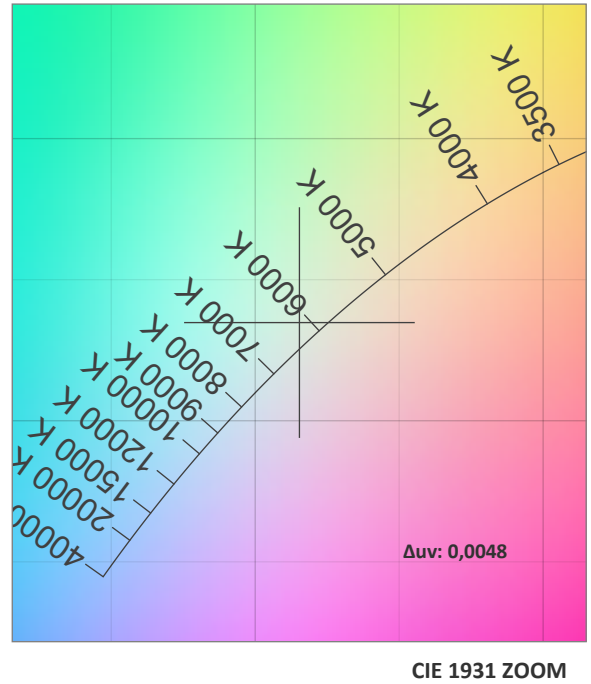
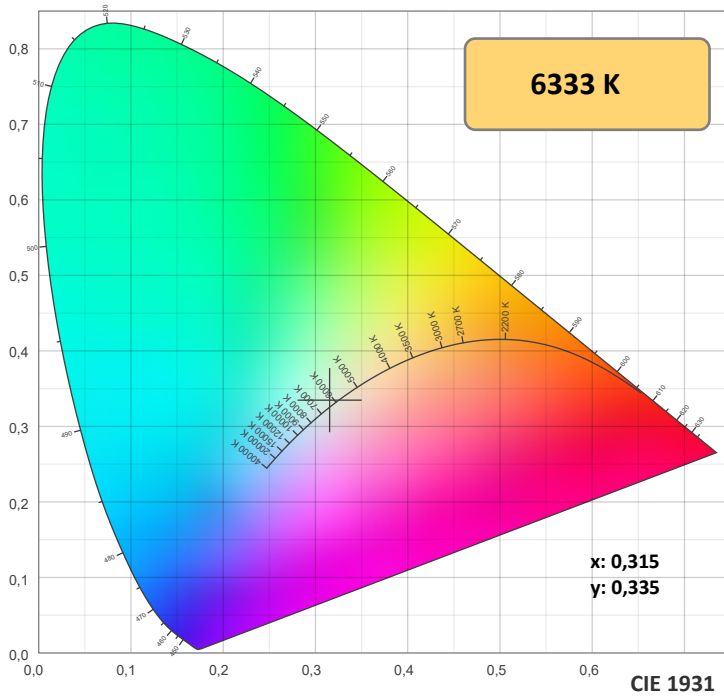
Beam angle 50%: 47,9°

Field angle 10%: 49,4°

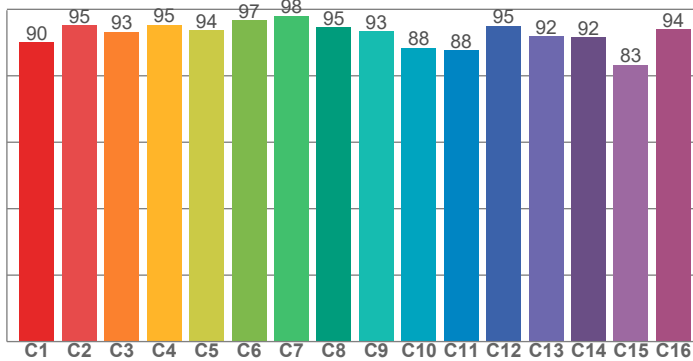
Cut off angle 2.5%: 50,6°

**Spectra**

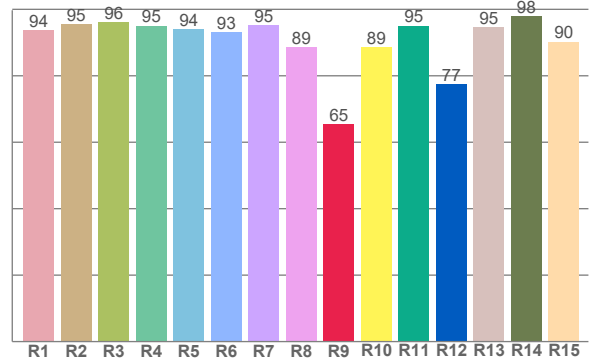




**TM30: 92,6**



**CRI: 93,9 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,8 | 95,4 | 96,2 | 95,1 | 93,9 | 93,2 | 95,3 | 88,6 | 65,3 | 88,6 | 95,1 | 77,4 | 94,6 | 97,9 | 90,2 |

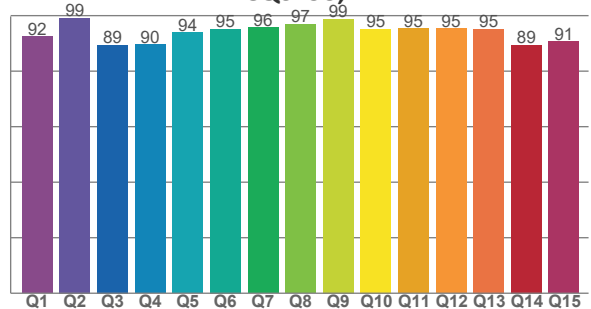
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,1 | 95,2 | 93,3 | 95,4 | 93,8 | 96,7 | 98,0 | 94,6 | 93,4 | 88,5 | 87,7 | 95,1 | 91,9 | 91,5 | 83,3 | 94,0 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,4 | 99,2 | 89,4 | 89,6 | 93,9 | 95,2 | 95,7 | 96,9 | 98,7 | 95,2 | 95,4 | 95,3 | 95,1 | 89,4 | 90,7 |

**CQS: 93,4**



## 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                         | $\Delta uv$                     |
| 6333 K            | 93,9                  | 65,3          | 92,6           | 99,0        | 93,4                | 94                        | 0,315                     | 0,335                     | 0,0048                          |

## TM30 DETAILS

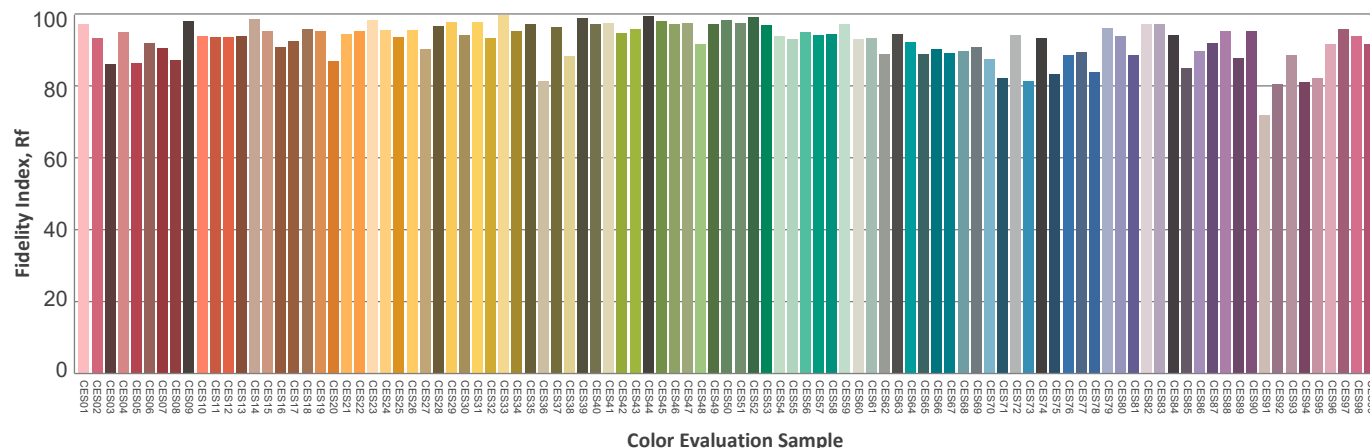
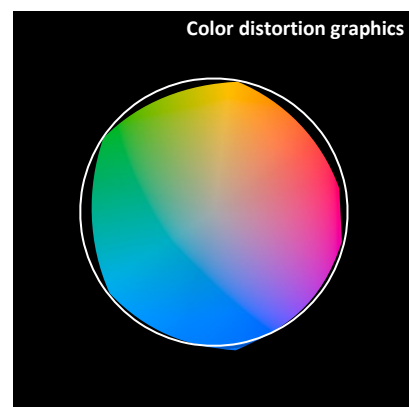
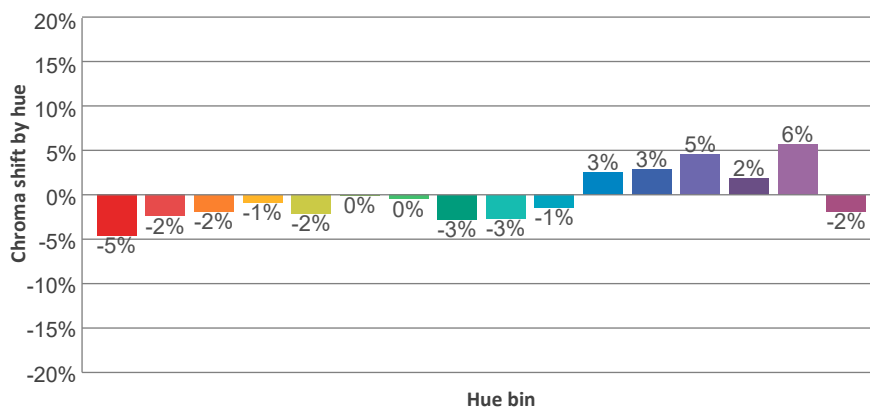
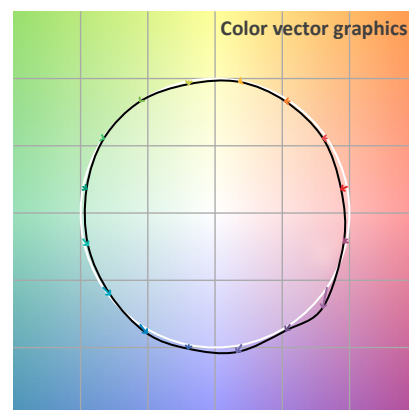
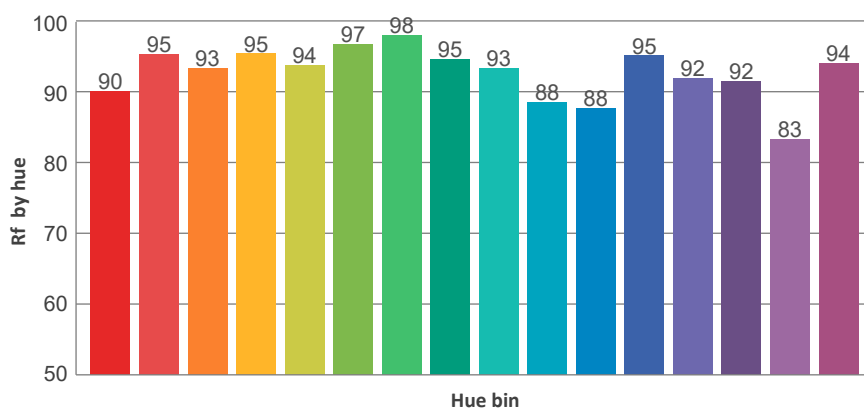
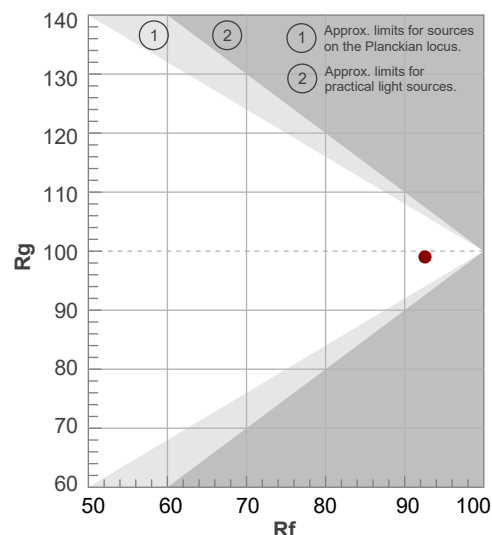
**Rf 92,6**

Fidelity index Rf

**Rg 99,0**

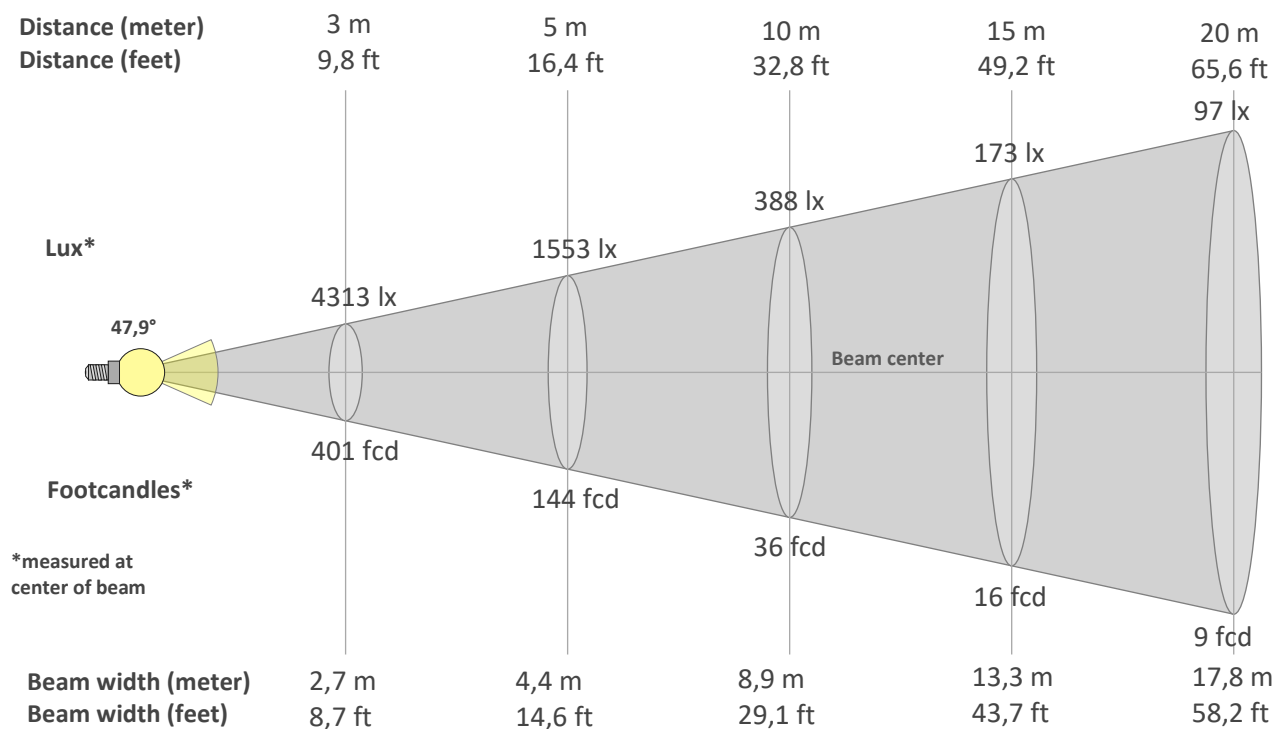
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 90             | -5%                | -1%  |
| 2       | 95             | -2%                | 2%   |
| 3       | 93             | -2%                | 3%   |
| 4       | 95             | -1%                | 1%   |
| 5       | 94             | -2%                | 1%   |
| 6       | 97             | 0%                 | 0%   |
| 7       | 98             | 0%                 | 0%   |
| 8       | 95             | -3%                | 1%   |
| 9       | 93             | -3%                | 5%   |
| 10      | 88             | -1%                | 7%   |
| 11      | 88             | 3%                 | 7%   |
| 12      | 95             | 3%                 | 0%   |
| 13      | 92             | 5%                 | -4%  |
| 14      | 92             | 2%                 | -5%  |
| 15      | 83             | 6%                 | -14% |
| 16      | 94             | -2%                | -3%  |



## BEAM DETAILS

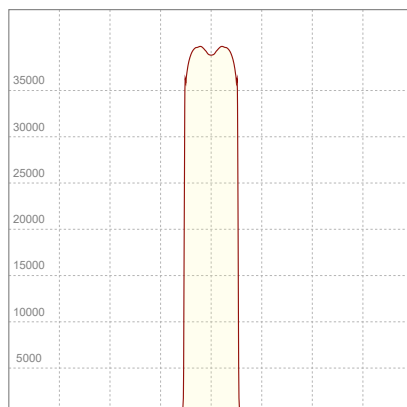
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 47,9°          | 49,4°           | 50,6°              | 99,3%                        | 99,3%                       |



### 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       | 38821lx | 9705lx | 4313lx | 2426lx | 1553lx | 690lx  | 388lx  | 173lx  | 97lx   | 62lx   | 43lx   | 24lx    | 16lx    |
| Footcand. | 3607fcd | 902fcd | 401fcd | 225fcd | 144fcd | 64fcd  | 36fcd  | 16fcd  | 9fcd   | 6fcd   | 4fcd   | 2fcd    | 1fcd    |
| Beam wid. | 0,9m    | 1,8m   | 2,7m   | 3,6m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,8m  | 22,2m  | 26,6m  | 35,5m   | 44,4m   |
| Beam wid. | 2,9ft   | 5,9ft  | 8,7ft  | 11,6ft | 14,6ft | 21,8ft | 29,1ft | 43,7ft | 58,2ft | 72,8ft | 87,4ft | 116,5ft | 145,6ft |

### LINEAR DISTRIBUTION DIAGRAM

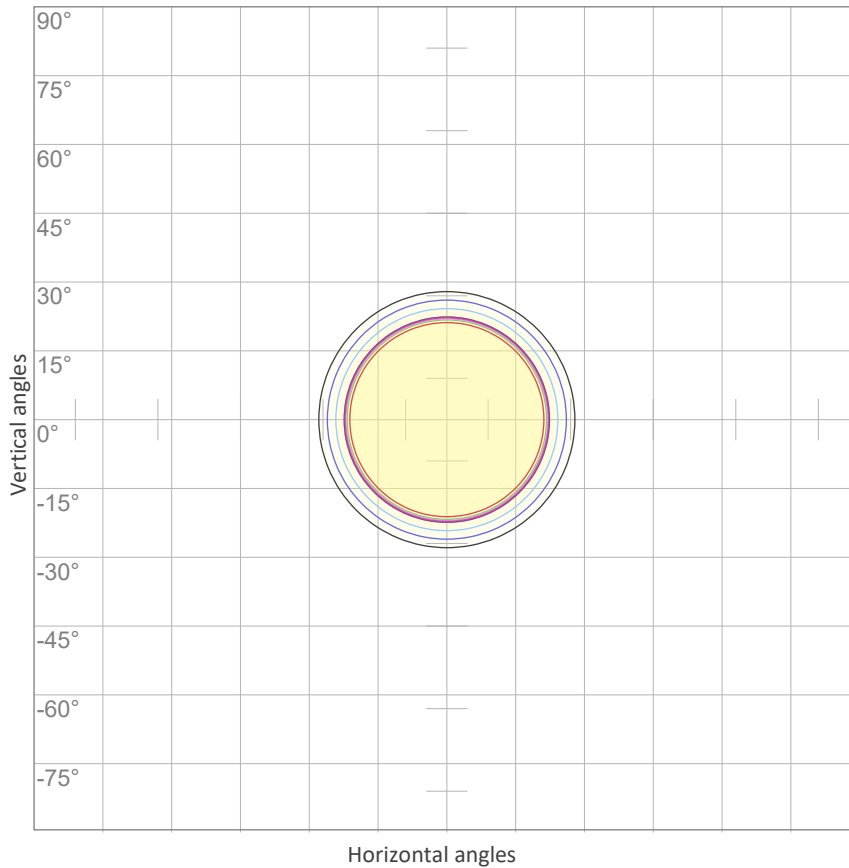


### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 224V          | 5,57A         | 1231,7W     | 0,99     | 17lm/W     |



## ISO CANDELA DIAGRAM



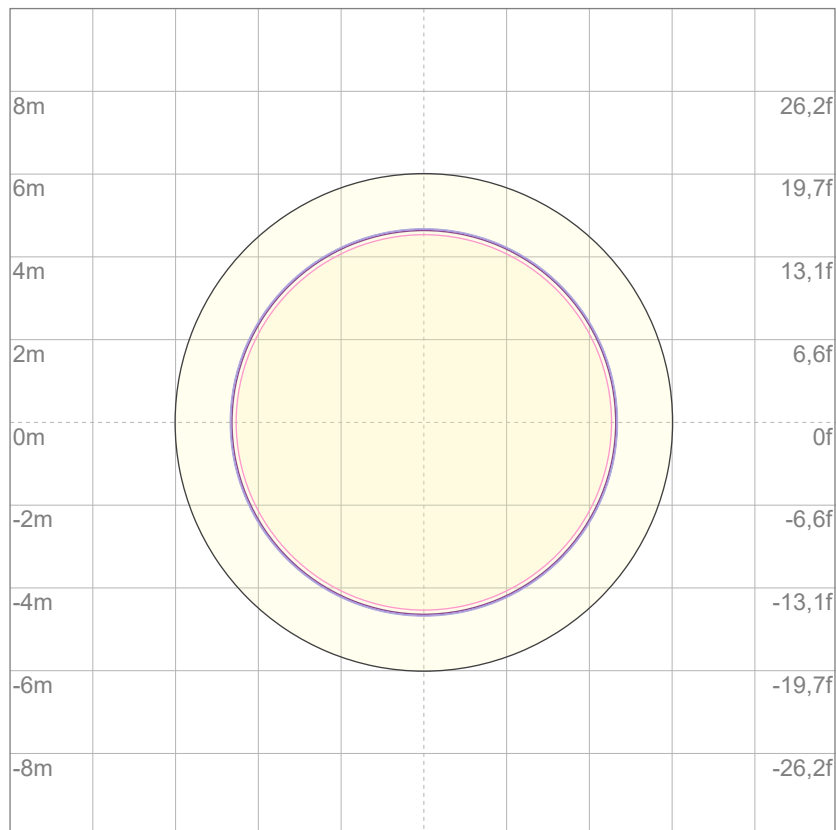
|     |          |
|-----|----------|
| 10% | 3882 cd  |
| 20% | 7764 cd  |
| 30% | 11646 cd |
| 40% | 15528 cd |
| 50% | 19411 cd |
| 60% | 23293 cd |
| 70% | 27175 cd |
| 80% | 31057 cd |
| 90% | 34939 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 38821 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 11,6 lx |
| 5%  | 19,4 lx |
| 10% | 38,8 lx |
| 30% | 116 lx  |
| 50% | 194 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 388 lx

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



Total lumen output:

20266 lm

Peak candela output:

269918 cd

Light quality:

CRI: 97,3

Color temperature:

6071 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

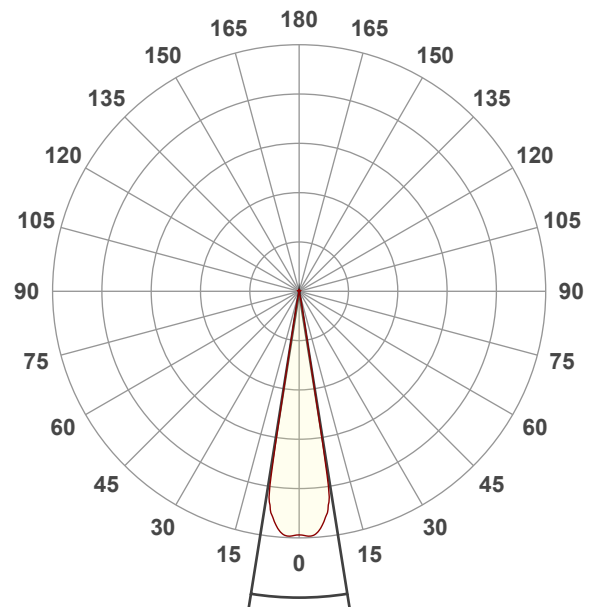
Full On - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 09:26:35

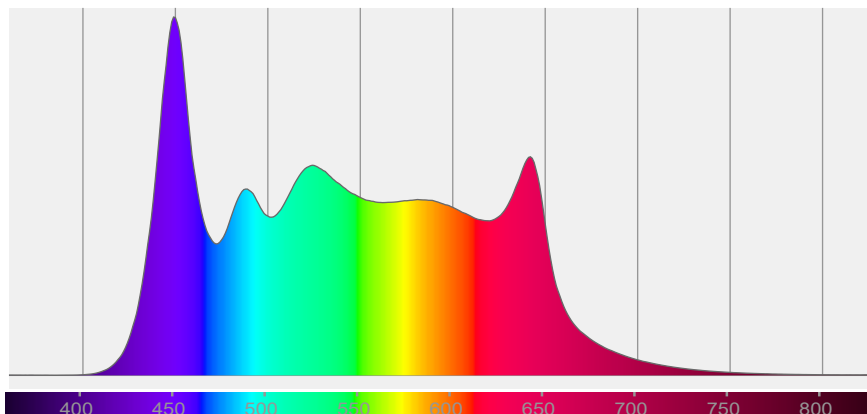


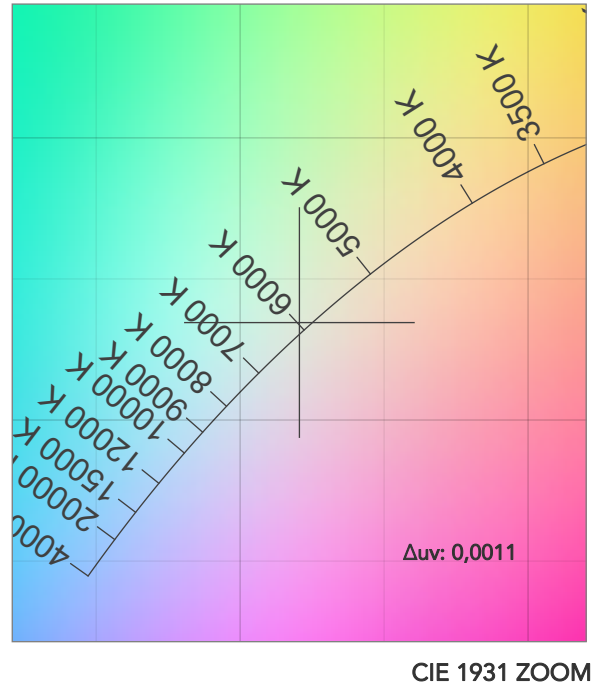
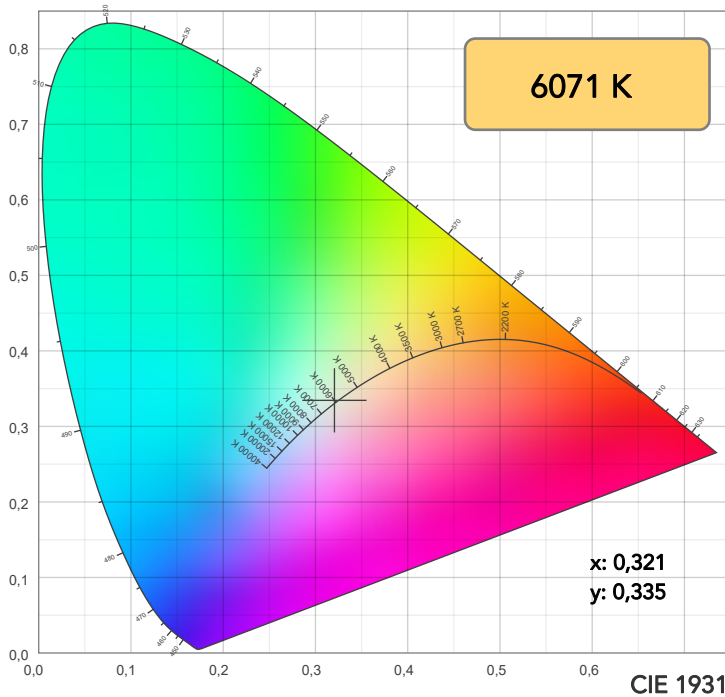
Beam angle 50%: 18,1°

Field angle 10%: 19,7°

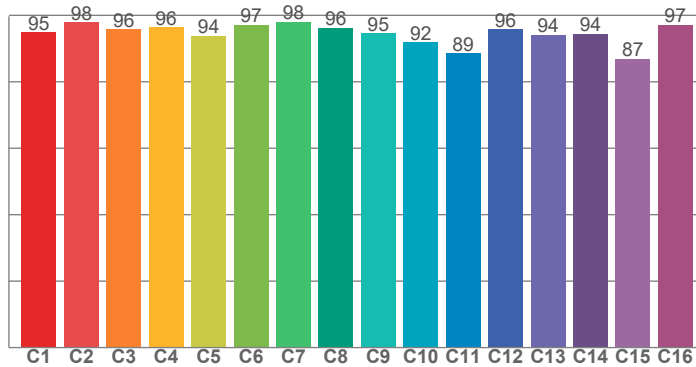
Cut off angle 2.5%: 20,9°

**Spectra**

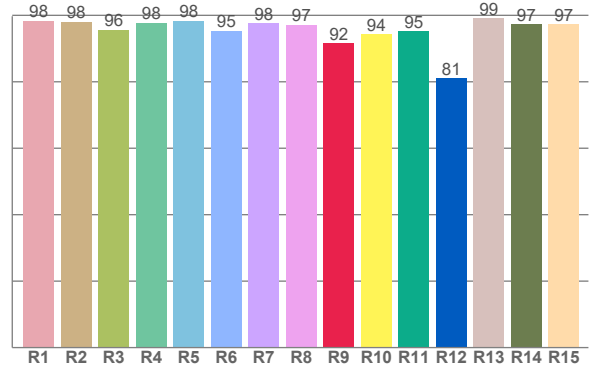




TM30: 94,4



CRI: 97,3 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,4 | 98,0 | 95,7 | 97,8 | 98,4 | 95,3 | 97,7 | 97,2 | 91,6 | 94,4 | 95,2 | 81,1 | 99,2 | 97,3 | 97,3 |

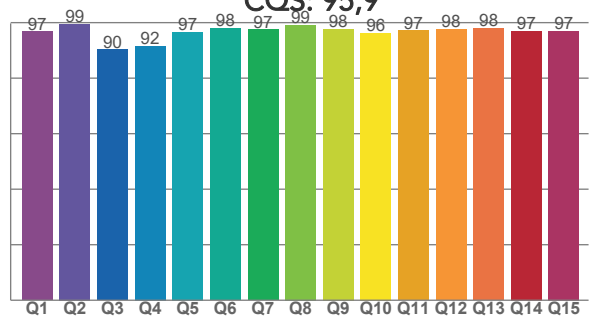
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,9 | 97,9 | 95,8 | 96,4 | 93,8 | 97,1 | 98,1 | 96,3 | 94,6 | 91,8 | 88,6 | 95,8 | 94,1 | 94,4 | 86,9 | 97,0 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,8 | 99,5 | 90,3 | 91,6 | 96,7 | 98,0 | 97,5 | 99,1 | 97,7 | 96,3 | 97,1 | 97,6 | 98,0 | 97,0 | 97,0 |

CQS: 95,9



## COLOR PARAMETERS

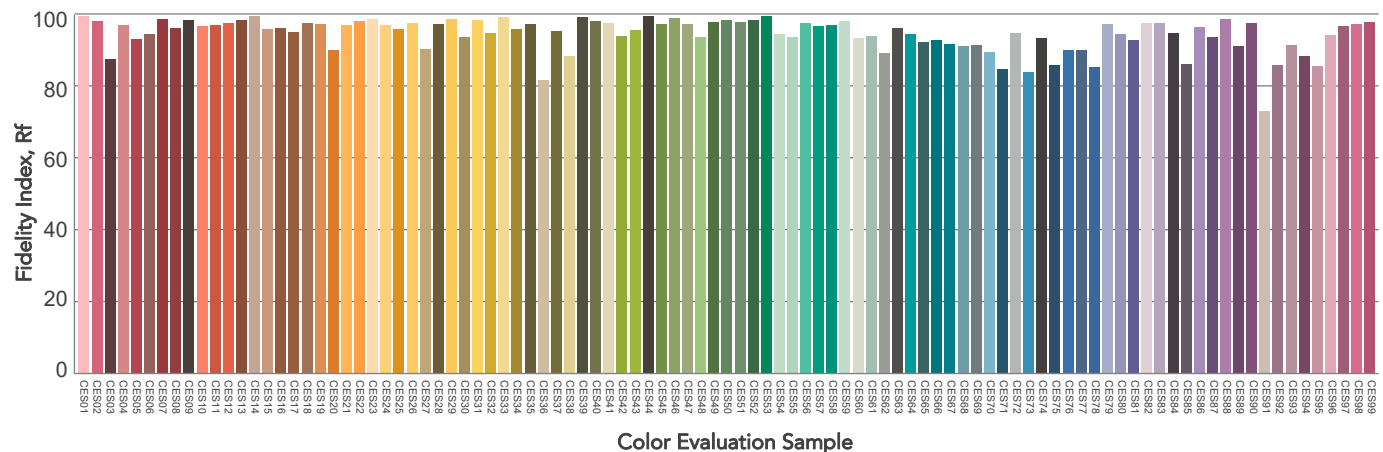
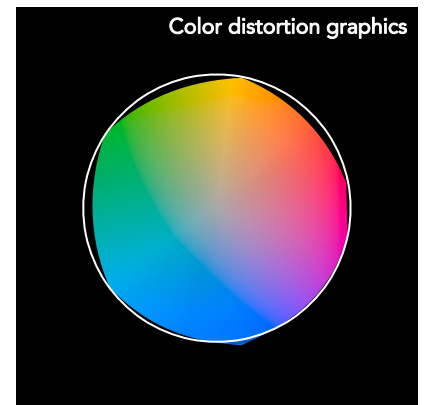
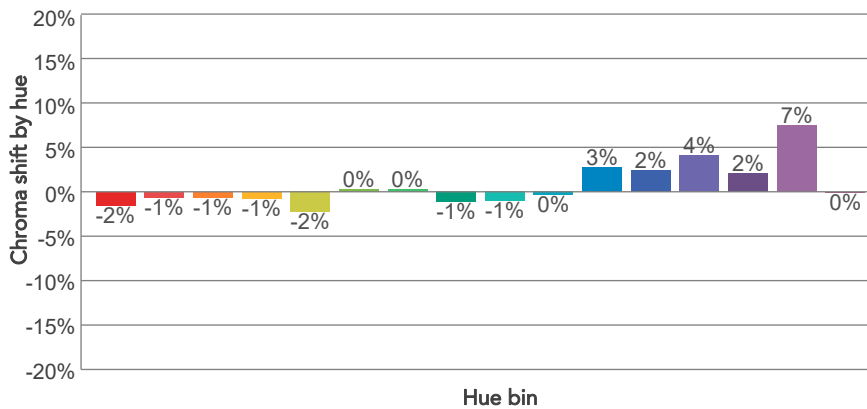
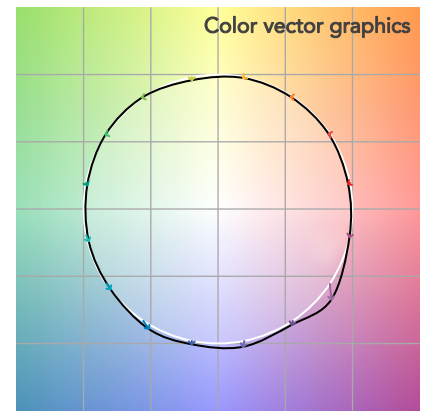
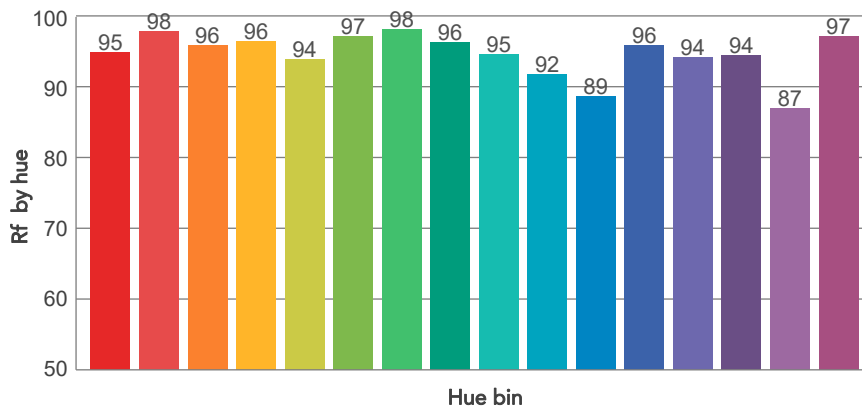
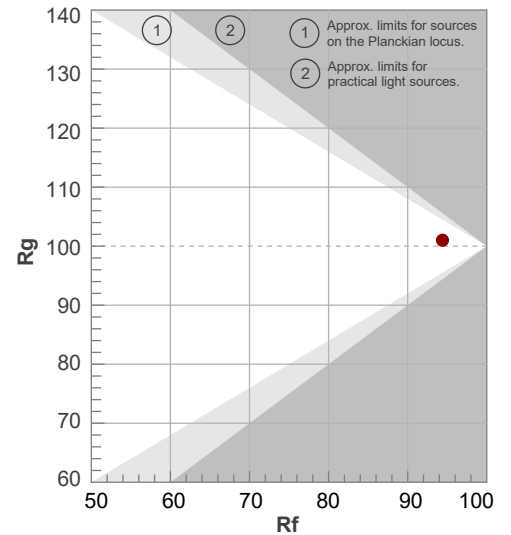
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | TLCI                      | x                         | y                         | Δuv                             |
| 6071 K            | 97,3                  | 91,6          | 94,4           | 101,0       | 95,9                | 97                        | 0,321                     | 0,335                     | 0,0011                          |

# TM30 DETAILS

**Rf 94,4**  
Fidelity index Rf

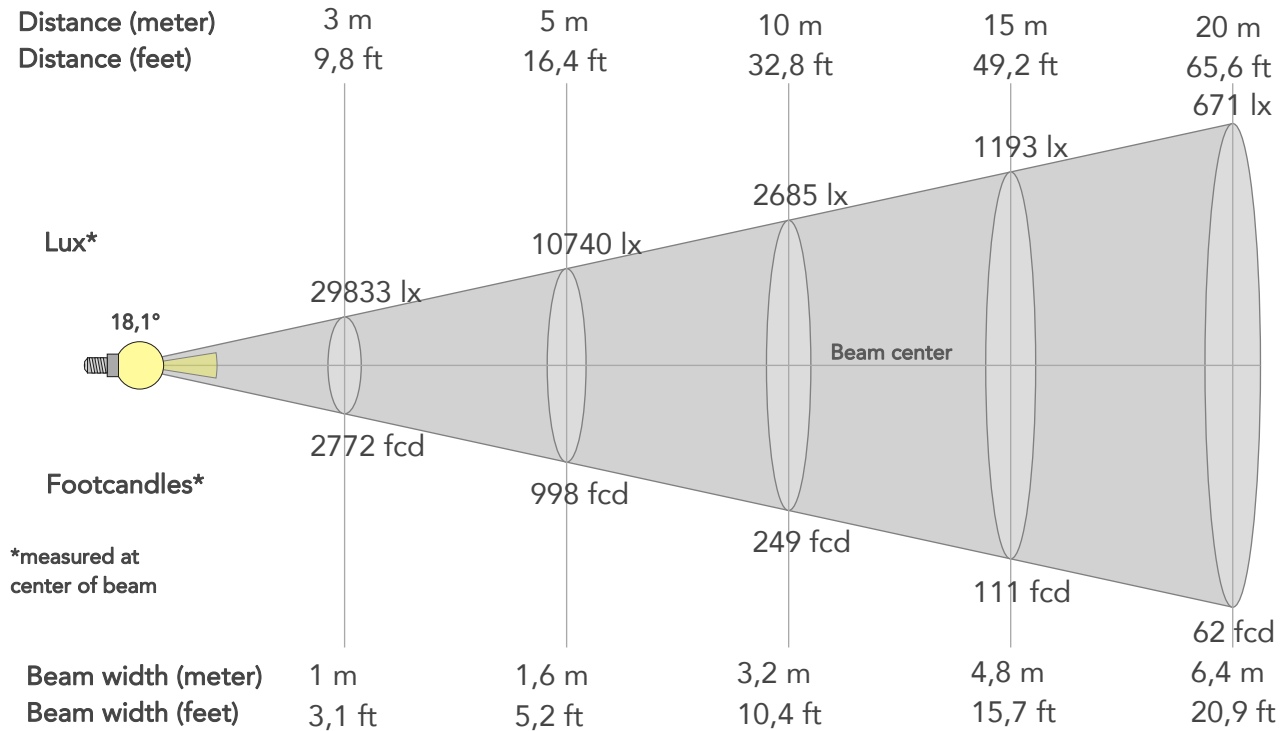
**Rg 101,0**  
Gammut index

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
|         |                | Chroma             | Hue |
| 1       | 95             | -2%                | -1% |
| 2       | 98             | -1%                | -1% |
| 3       | 96             | -1%                | 1%  |
| 4       | 96             | -1%                | 1%  |
| 5       | 94             | -2%                | 0%  |
| 6       | 97             | 0%                 | 1%  |
| 7       | 98             | 0%                 | 0%  |
| 8       | 96             | -1%                | 2%  |
| 9       | 95             | -1%                | 5%  |
| 10      | 92             | 0%                 | 5%  |
| 11      | 89             | 3%                 | 7%  |
| 12      | 96             | 2%                 | 0%  |
| 13      | 94             | 4%                 | -2% |
| 14      | 94             | 2%                 | -2% |
| 15      | 87             | 7%                 | -9% |
| 16      | 97             | 0%                 | -1% |



## BEAM DETAILS

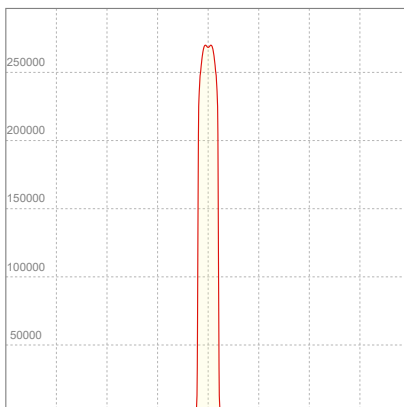
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18,1°          | 19,7°           | 20,9°              | 99,9%                        | 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       | 268500lx | 67125lx | 29833lx | 16781lx | 10740lx | 4773lx | 2685lx | 1193lx | 671lx  | 430lx  | 298lx  | 168lx   | 107lx  |
| Footcand. | 24944fcd | 6236fcd | 2772fcd | 1559fcd | 998fcd  | 443fcd | 249fcd | 111fcd | 62fcd  | 40fcd  | 28fcd  | 16fcd   | 10fcd  |
| Beam wid. | 0,3m     | 0,6m    | 1m      | 1,3m    | 1,6m    | 2,4m   | 3,2m   | 4,8m   | 6,4m   | 8m     | 9,6m   | 12,7m   | 15,9m  |
| Beam wid. | 1,1ft    | 2,1ft   | 3,1ft   | 4,2ft   | 5,2ft   | 7,8ft  | 10,4ft | 15,7ft | 20,9ft | 26,1ft | 31,3ft | 41,8ft  | 52,2ft |

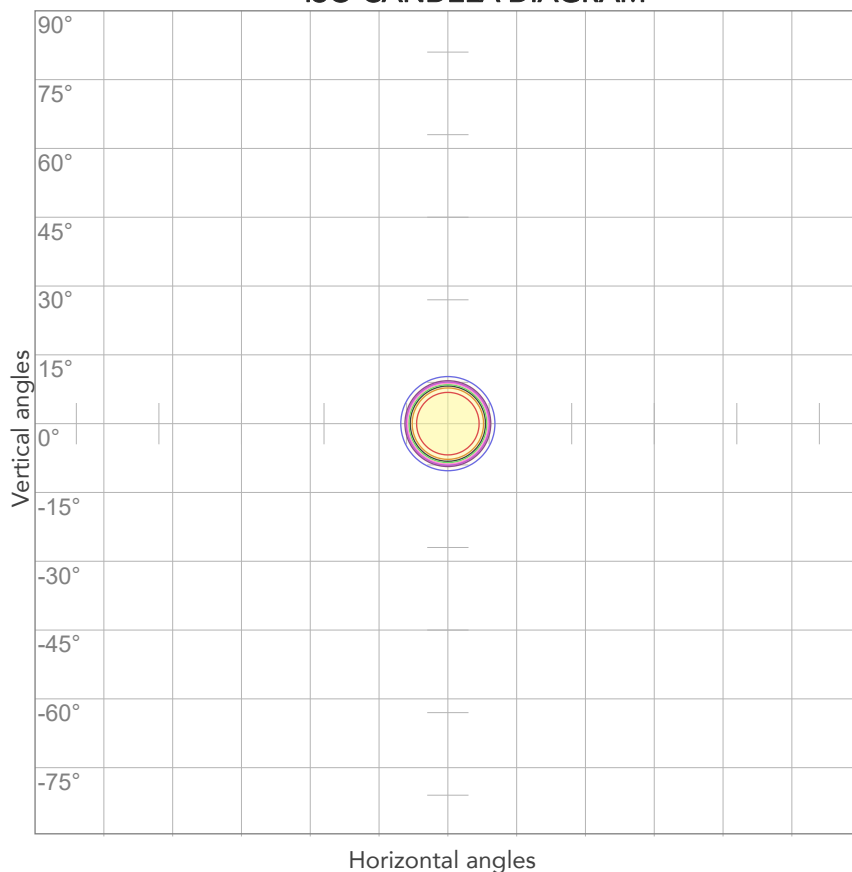
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 224V          | 5,72A         | 1263,9W     | 0,99     | 16lm/W     |

## ISO CANDELA DIAGRAM



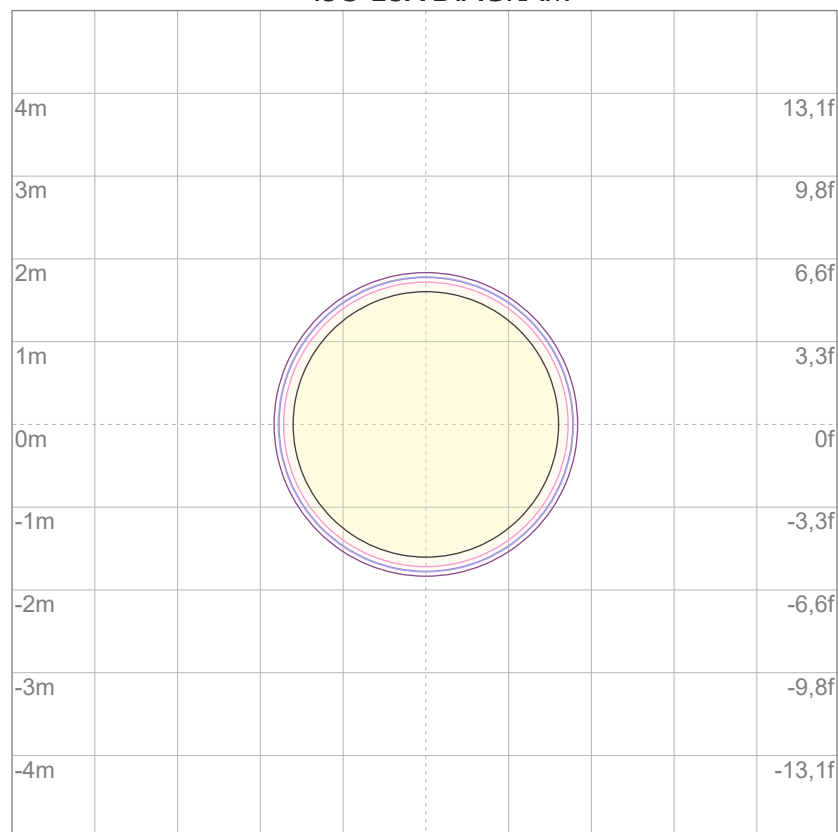
|     |           |
|-----|-----------|
| 10% | 26850 cd  |
| 20% | 53700 cd  |
| 30% | 80550 cd  |
| 40% | 107400 cd |
| 50% | 134250 cd |
| 60% | 161100 cd |
| 70% | 187950 cd |
| 80% | 214800 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 268500 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 80,5 lx |
| 5%  | 134 lx  |
| 10% | 268 lx  |
| 30% | 805 lx  |
| 50% | 1342 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 2685 lx

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



Total lumen output:

13836 lm

Peak candela output:

1626477 cd

Light quality:

CRI: 95,1

Color temperature:

5704 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

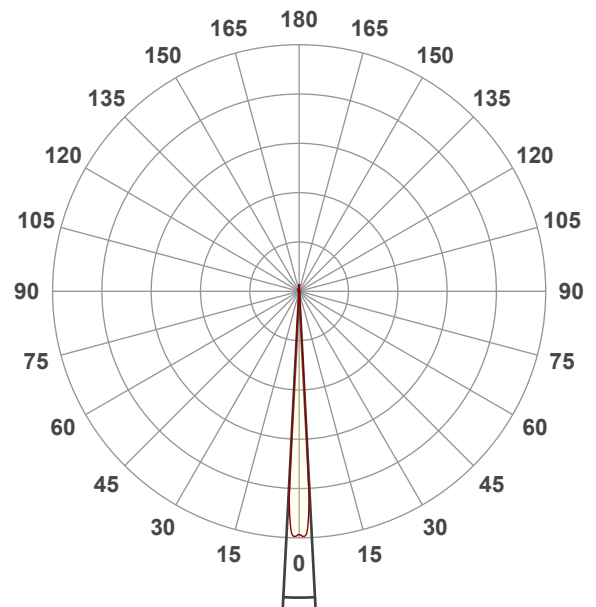
Full On HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 10:02:17

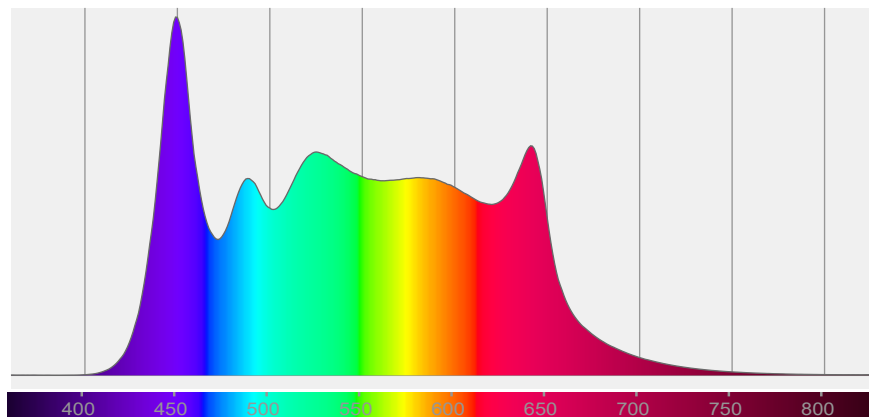


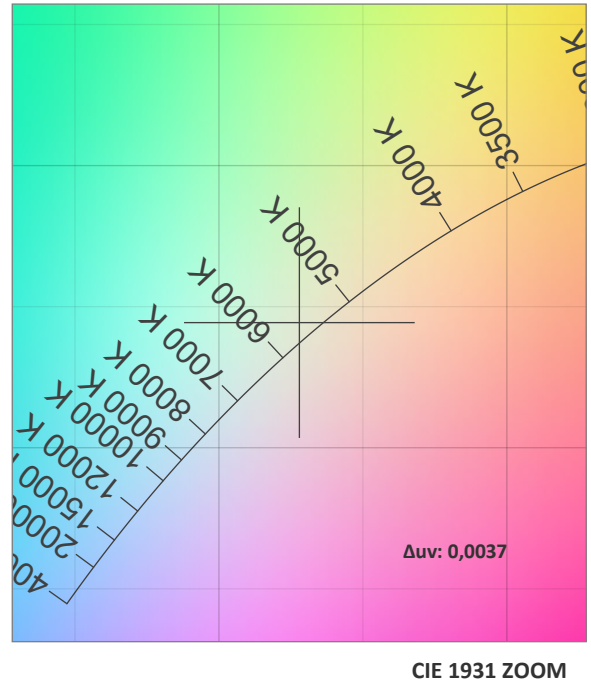
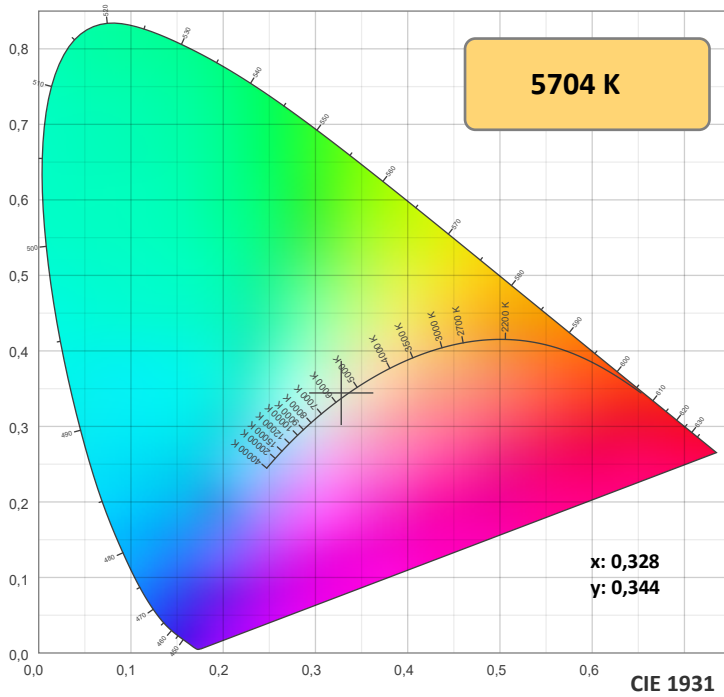
Beam angle 50%: 5,9°

Field angle 10%: 6,4°

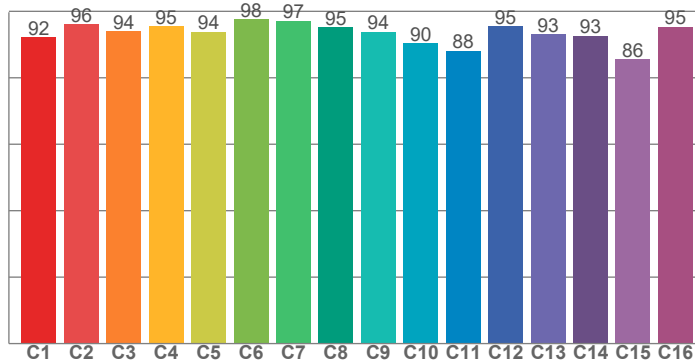
Cut off angle 2.5%: 6,5°

Spectra

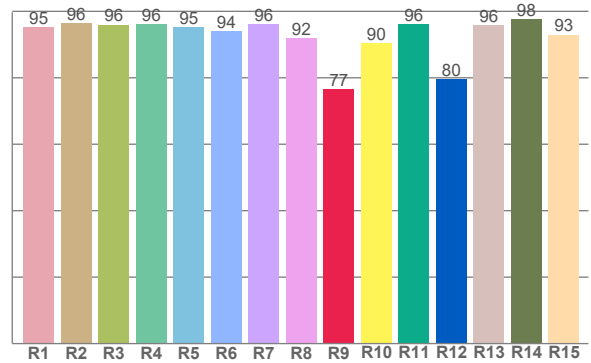




**TM30: 93,4**



**CRI: 95,1 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,3 | 96,4 | 96,0 | 96,1 | 95,2 | 94,0 | 96,2 | 91,9 | 76,6 | 90,5 | 96,1 | 79,6 | 95,9 | 97,6 | 93,0 |

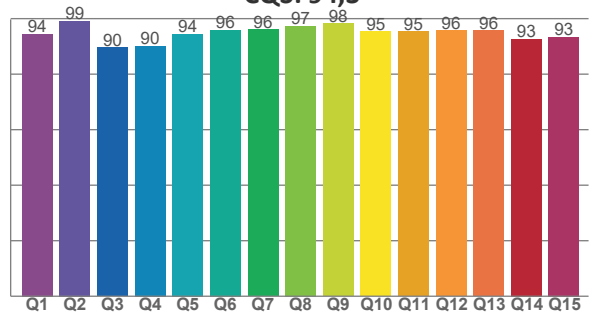
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,2 | 96,0 | 94,0 | 94,4 | 93,9 | 97,6 | 97,2 | 95,3 | 93,8 | 90,4 | 88,1 | 95,5 | 93,0 | 92,6 | 85,6 | 95,3 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,5 | 99,2 | 89,7 | 90,1 | 94,4 | 95,8 | 96,1 | 97,4 | 98,3 | 95,4 | 95,4 | 95,7 | 95,8 | 92,7 | 93,4 |

**CQS: 94,3**



## 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                         | $\Delta uv$                     |
| 5704 K            | 95,1                  | 76,6          | 93,4           | 99,6        | 94,3                | 96                        | 0,328                     | 0,344                     | 0,0037                          |



## TM30 DETAILS

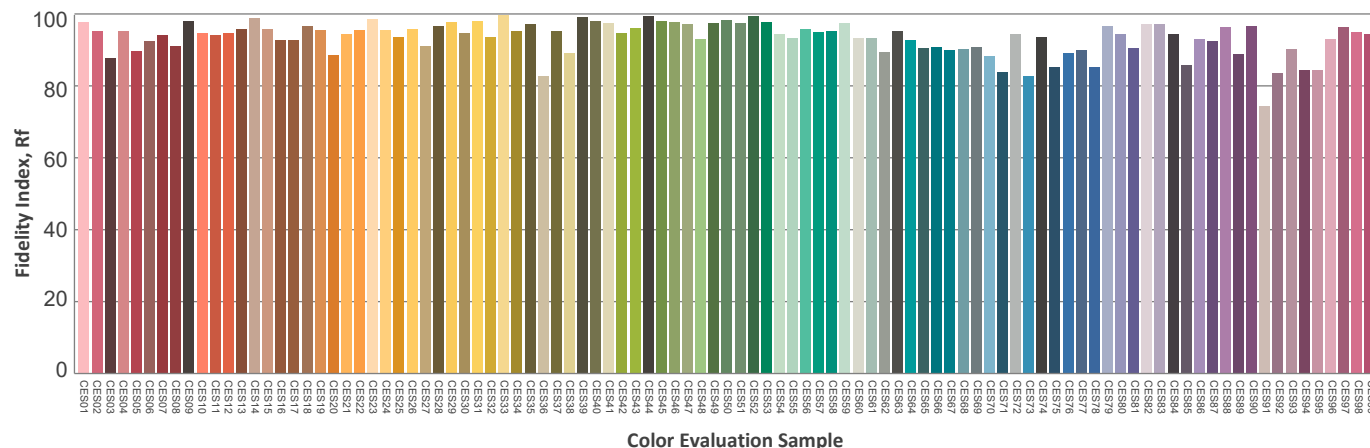
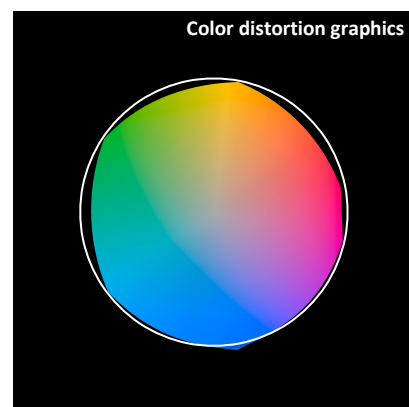
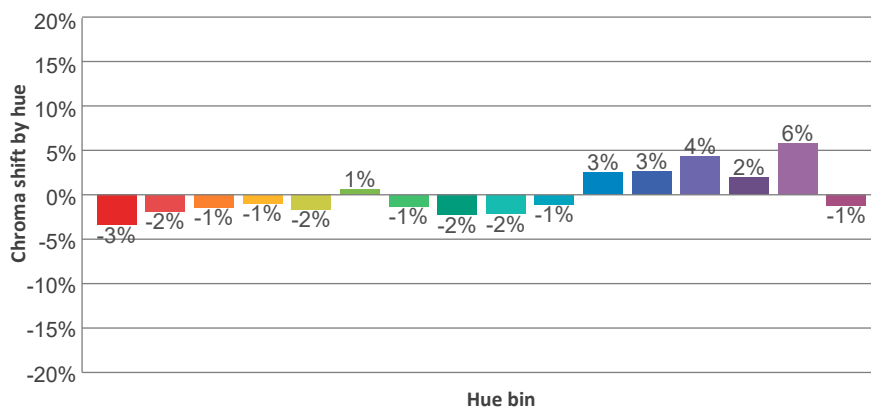
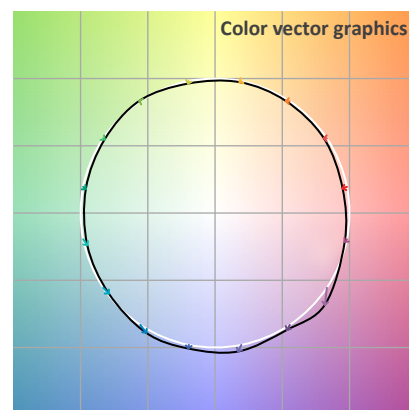
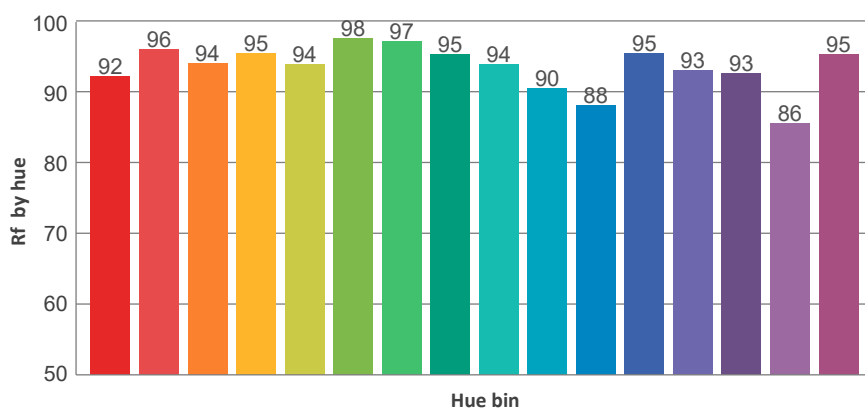
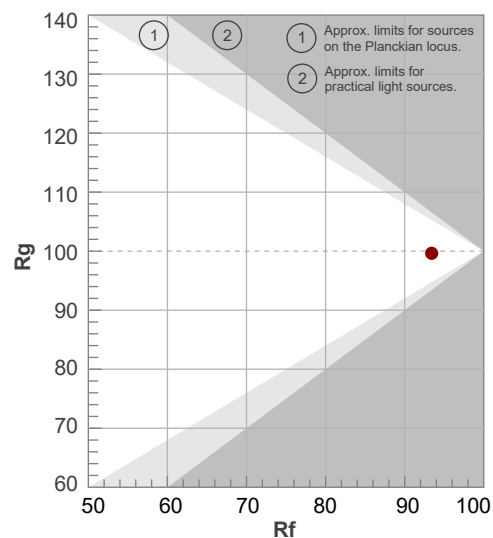
**Rf 93,4**

Fidelity index Rf

**Rg 99,6**

Gammut index Rg

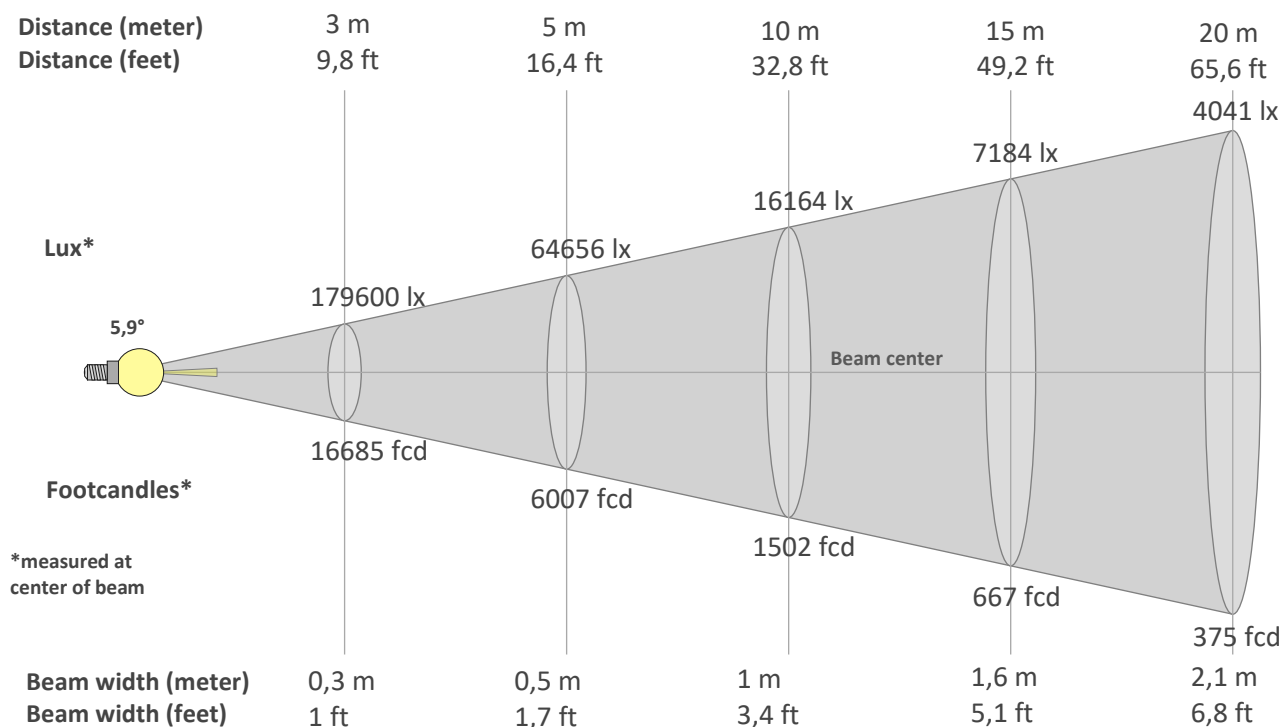
| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 92             | -3%                | -1%  |
| 2       | 96             | -2%                | 1%   |
| 3       | 94             | -1%                | 2%   |
| 4       | 95             | -1%                | 1%   |
| 5       | 94             | -2%                | 1%   |
| 6       | 98             | 1%                 | 1%   |
| 7       | 97             | -1%                | 0%   |
| 8       | 95             | -2%                | 1%   |
| 9       | 94             | -2%                | 5%   |
| 10      | 90             | -1%                | 6%   |
| 11      | 88             | 3%                 | 7%   |
| 12      | 95             | 3%                 | 0%   |
| 13      | 93             | 4%                 | -3%  |
| 14      | 93             | 2%                 | -4%  |
| 15      | 86             | 6%                 | -11% |
| 16      | 95             | -1%                | -2%  |



## BEAM DETAILS



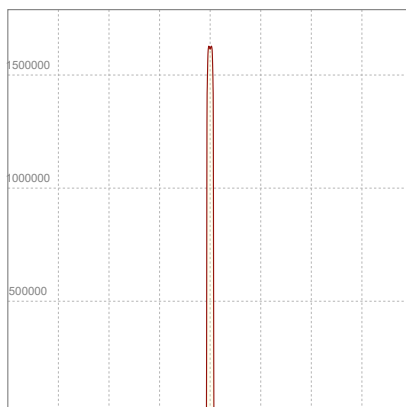
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,4°            | 6,5°               | 98,0%                        | 97,1%                       |



### 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 |
| <b>Lux</b>       | 1616401lx | 404100lx | 179600lx | 101025lx | 64656lx | 28736lx | 16164lx | 7184lx | 4041lx | 2586lx | 1796lx | 1010lx  | 647lx |
| <b>Footcand.</b> | 150169fcd | 37542fcd | 16685fcd | 9386fcd  | 6007fcd | 2670fcd | 1502fcd | 667fcd | 375fcd | 240fcd | 167fcd | 94fcd   | 60fcd |
| <b>Beam wid.</b> | 0,1m      | 0,2m     | 0,3m     | 0,4m     | 0,5m    | 0,8m    | 1m      | 1,6m   | 2,1m   | 2,6m   | 3,1m   | 4,1m    | 5,2m  |
| <b>Beam wid.</b> | 0,3ft     | 0,7ft    | 1ft      | 1,4ft    | 1,7ft   | 2,5ft   | 3,4ft   | 5,1ft  | 6,8ft  | 8,5ft  | 10,2ft | 13,6ft  | 17ft  |

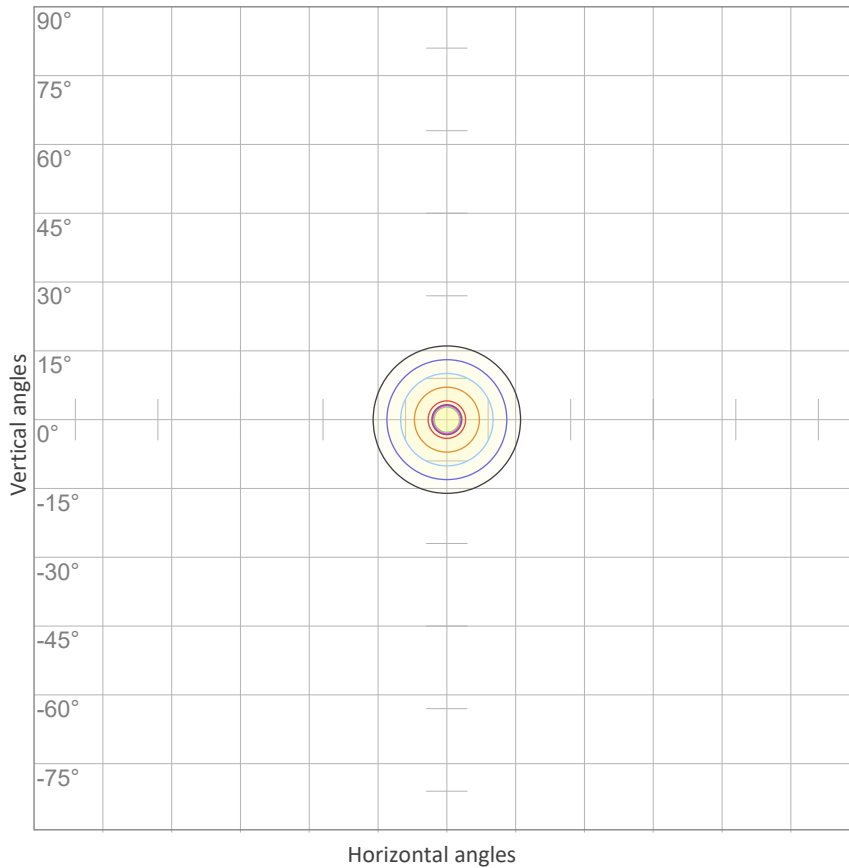
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 225V          | 5,59A         | 1238,8W     | 0,99     | 11lm/W     |

## ISO CANDELA DIAGRAM



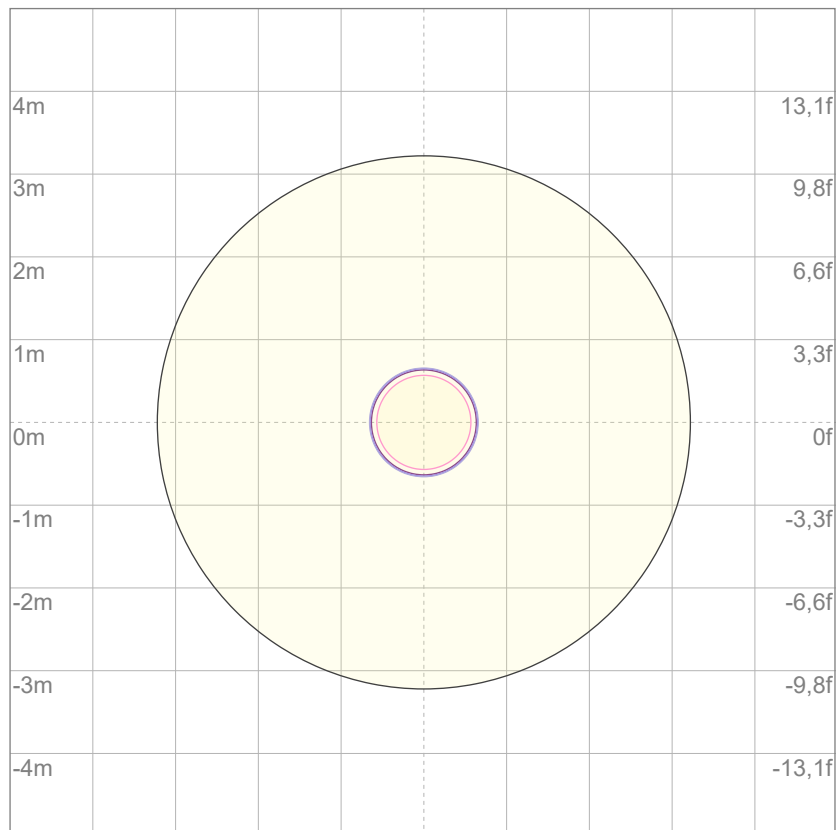
|     |            |
|-----|------------|
| 10% | 161640 cd  |
| 20% | 323280 cd  |
| 30% | 484920 cd  |
| 40% | 646560 cd  |
| 50% | 808200 cd  |
| 60% | 969840 cd  |
| 70% | 1131480 cd |
| 80% | 1293121 cd |
| 90% | 1454761 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1616401 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 485 lx  |
| 5%  | 808 lx  |
| 10% | 1616 lx |
| 30% | 4849 lx |
| 50% | 8082 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 16,2K lx

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



Total lumen output:

1262 lm

Peak candela output:

2400 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

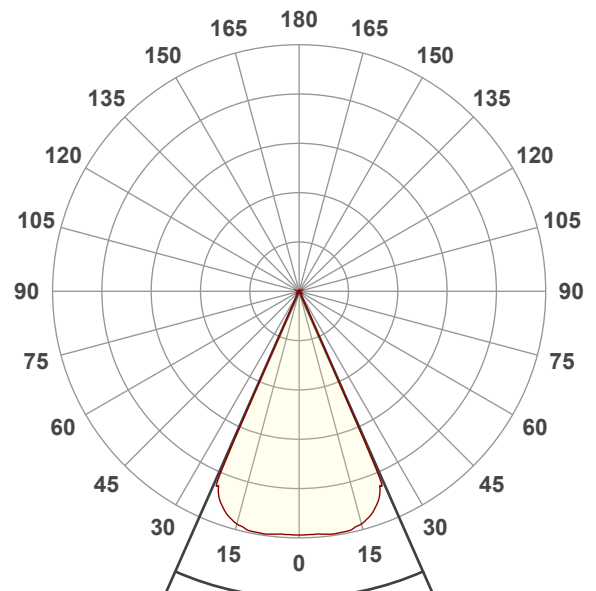
Red - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 10:24:46

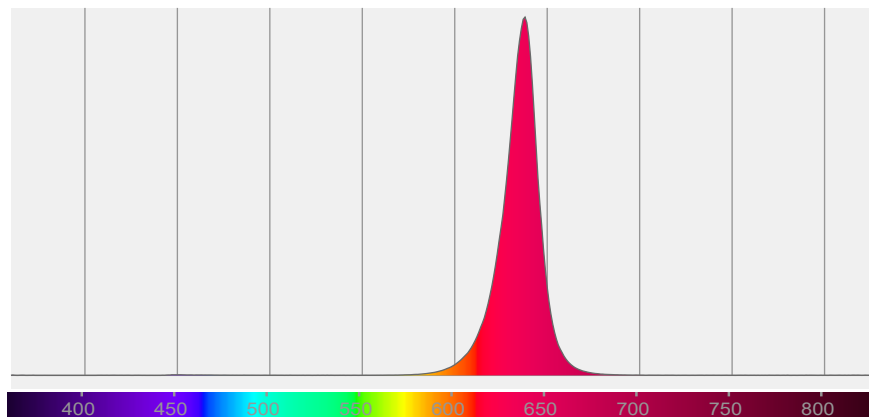


Beam angle 50%: 47,7°

Field angle 10%: 48,9°

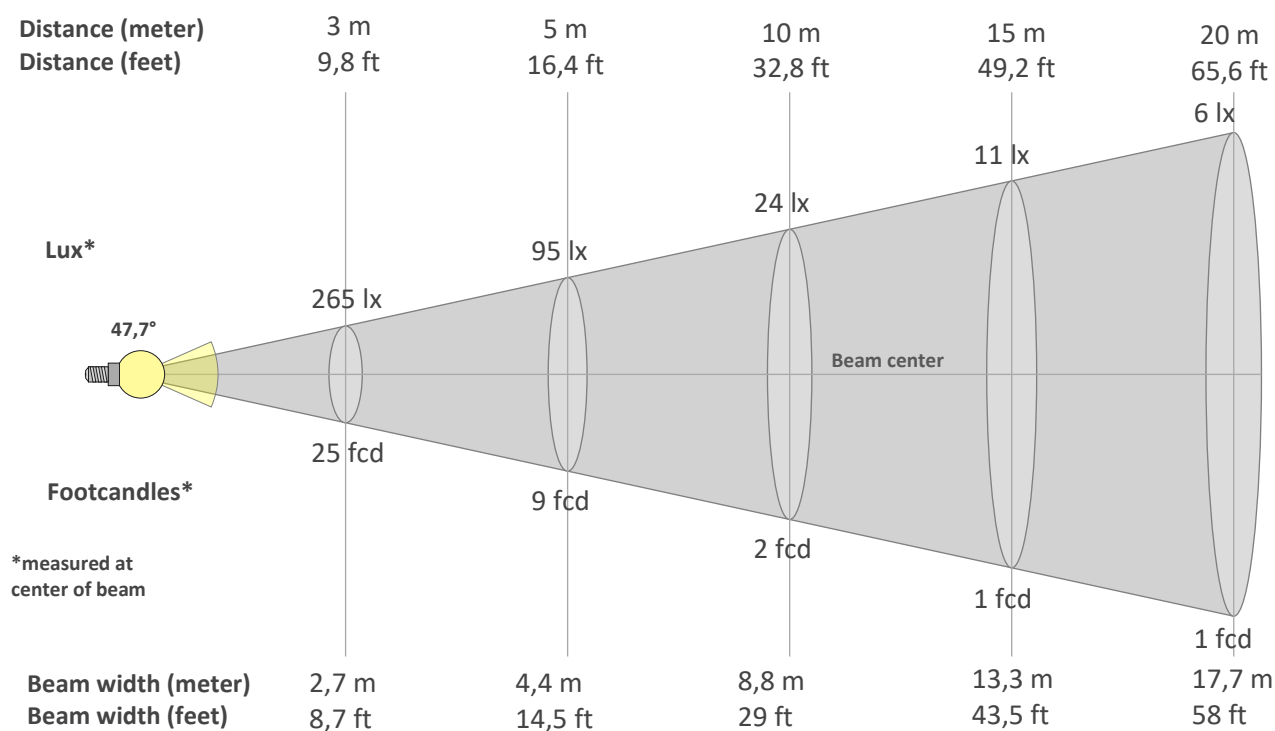
Cut off angle 2.5%: 50,4°

Spectra



## BEAM DETAILS

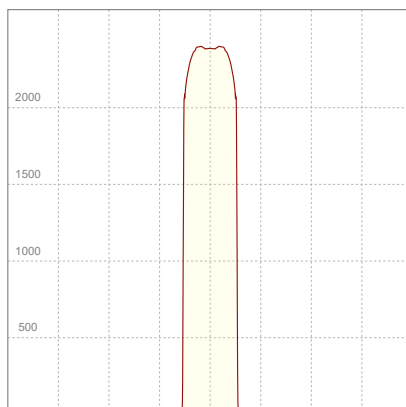
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 47,7°          | 48,9°           | 50,4°              | 98,4%                        | 98,2%                       |



### 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       | 2387lx | 597lx | 265lx | 149lx  | 95lx   | 42lx   | 24lx   | 11lx   | 6lx    | 4lx    | 3lx    | 1lx     | 1lx   |
| Footcand. | 222fcd | 55fcd | 25fcd | 14fcd  | 9fcd   | 4fcd   | 2fcd   | 1fcd   | 1fcd   | 0fcd   | 0fcd   | 0fcd    | 0fcd  |
| Beam wid. | 0,9m   | 1,8m  | 2,7m  | 3,5m   | 4,4m   | 6,6m   | 8,8m   | 13,3m  | 17,7m  | 22,1m  | 26,5m  | 35,4m   | 44,2m |
| Beam wid. | 2,9ft  | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 21,8ft | 29ft   | 43,5ft | 58ft   | 72,5ft | 87ft   | 116ft   | 145ft |

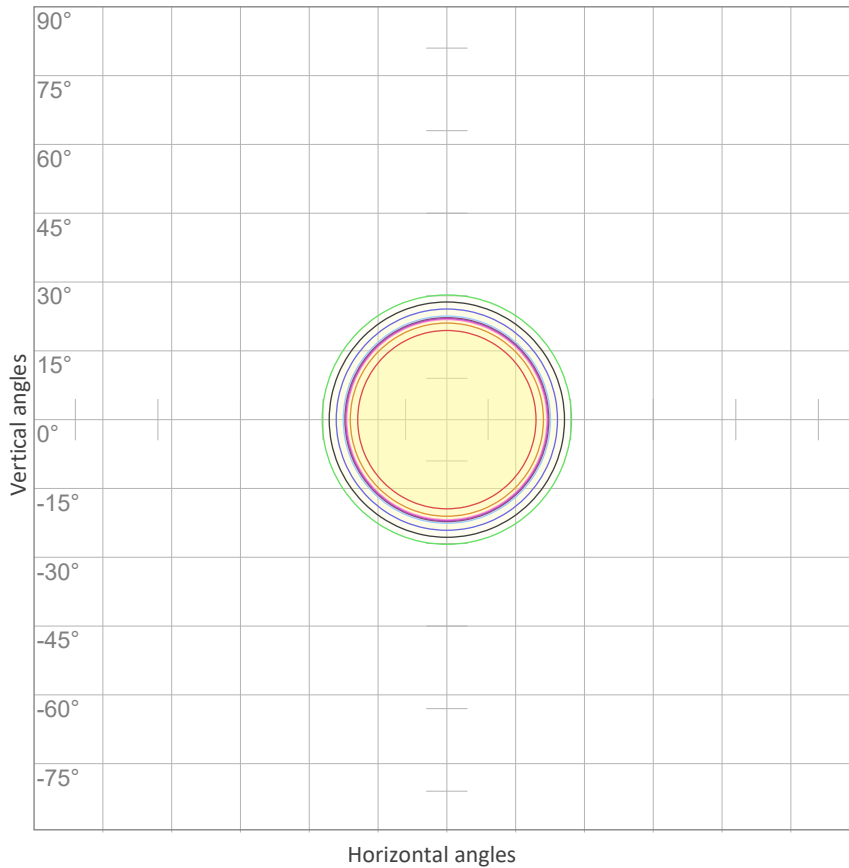
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,18A         | 230,7W      | 0,86     | 5lm/W      |

## ISO CANDELA DIAGRAM



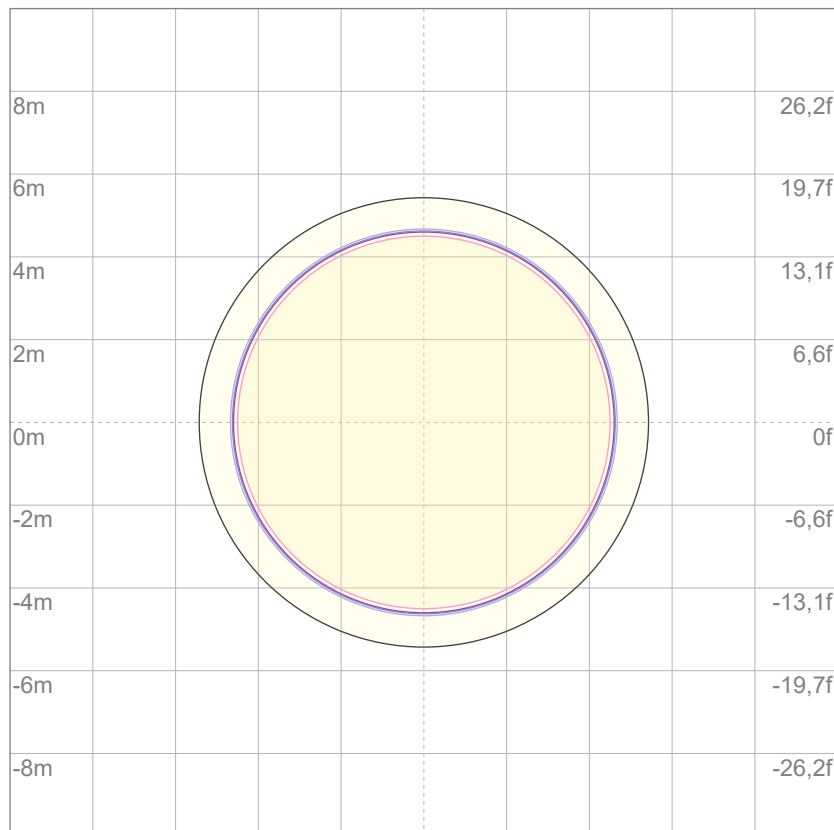
|     |         |
|-----|---------|
| 10% | 239 cd  |
| 20% | 477 cd  |
| 30% | 716 cd  |
| 40% | 955 cd  |
| 50% | 1193 cd |
| 60% | 1432 cd |
| 70% | 1671 cd |
| 80% | 1909 cd |
| 90% | 2148 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 2387 cd

## ISO LUX DIAGRAM



|     |          |
|-----|----------|
| 3%  | 0,716 lx |
| 5%  | 1,19 lx  |
| 10% | 2,39 lx  |
| 30% | 7,16 lx  |
| 50% | 11,9 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 23,9 lx

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



Total lumen output:

1258 lm

Peak candela output:

16978 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

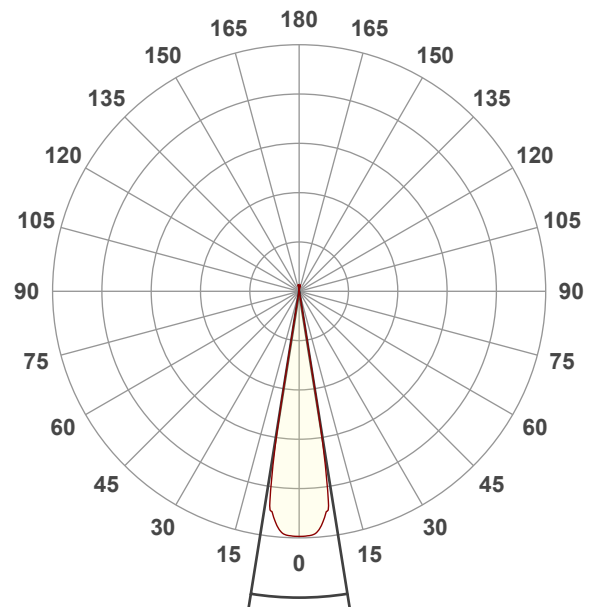
Red - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 09:35:29

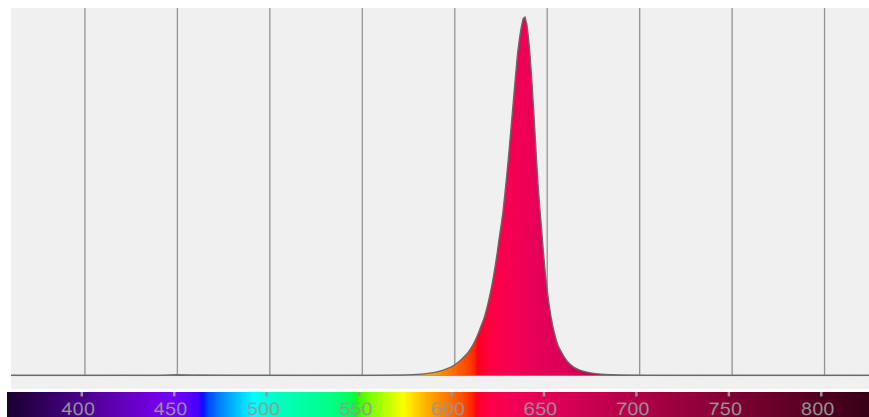


Beam angle 50%: 18,1°

Field angle 10%: 19,6°

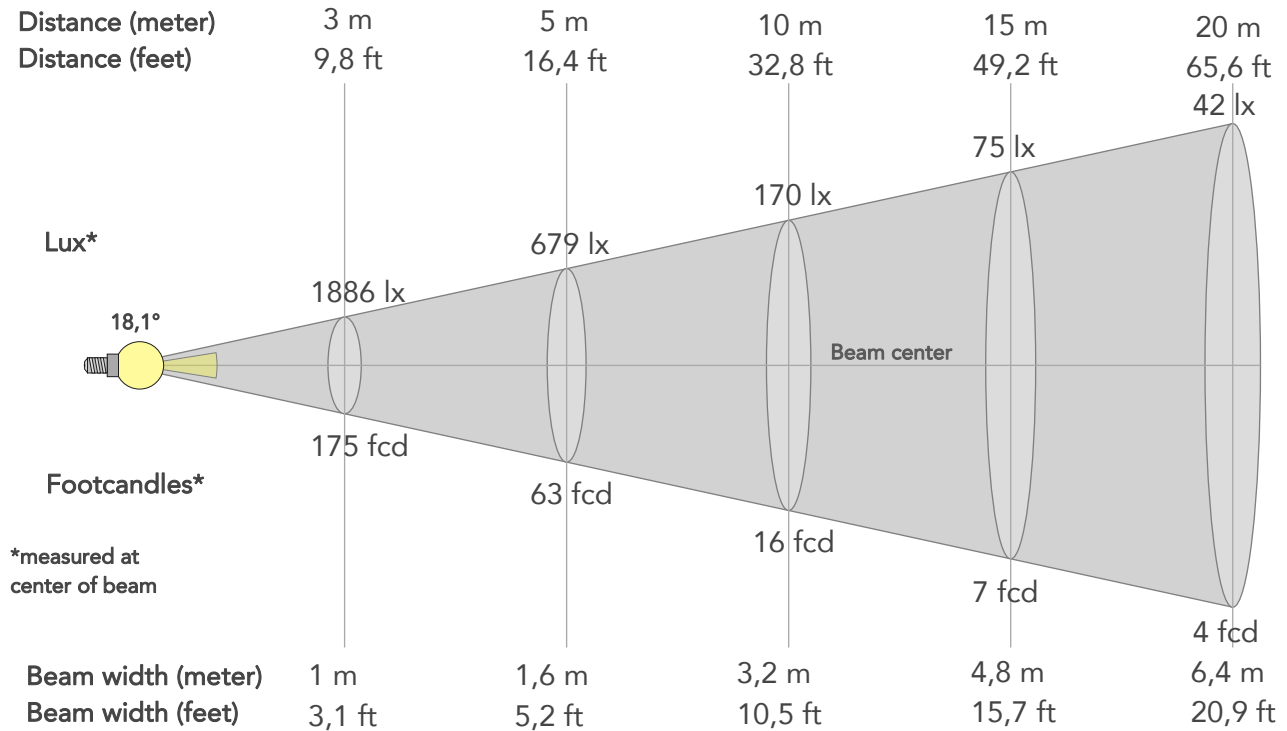
Cut off angle 2.5%: 20,4°

Spectra



## BEAM DETAILS

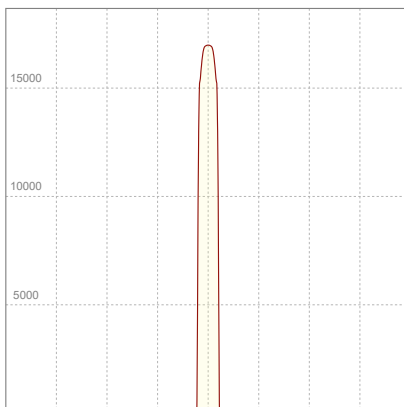
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18,1°          | 19,6°           | 20,4°              | 100,0%                       | 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       | 16978lx | 4244lx | 1886lx | 1061lx | 679lx  | 302lx  | 170lx  | 75lx   | 42lx   | 27lx   | 19lx   | 11lx    | 7lx    |
| Footcand. | 1577fcd | 394fcd | 175fcd | 99fcd  | 63fcd  | 28fcd  | 16fcd  | 7fcd   | 4fcd   | 3fcd   | 2fcd   | 1fcd    | 1fcd   |
| Beam wid. | 0,3m    | 0,6m   | 1m     | 1,3m   | 1,6m   | 2,4m   | 3,2m   | 4,8m   | 6,4m   | 8m     | 9,6m   | 12,8m   | 16m    |
| Beam wid. | 1,1ft   | 2,1ft  | 3,1ft  | 4,2ft  | 5,2ft  | 7,9ft  | 10,5ft | 15,7ft | 20,9ft | 26,2ft | 31,4ft | 41,9ft  | 52,4ft |

### LINEAR DISTRIBUTION DIAGRAM

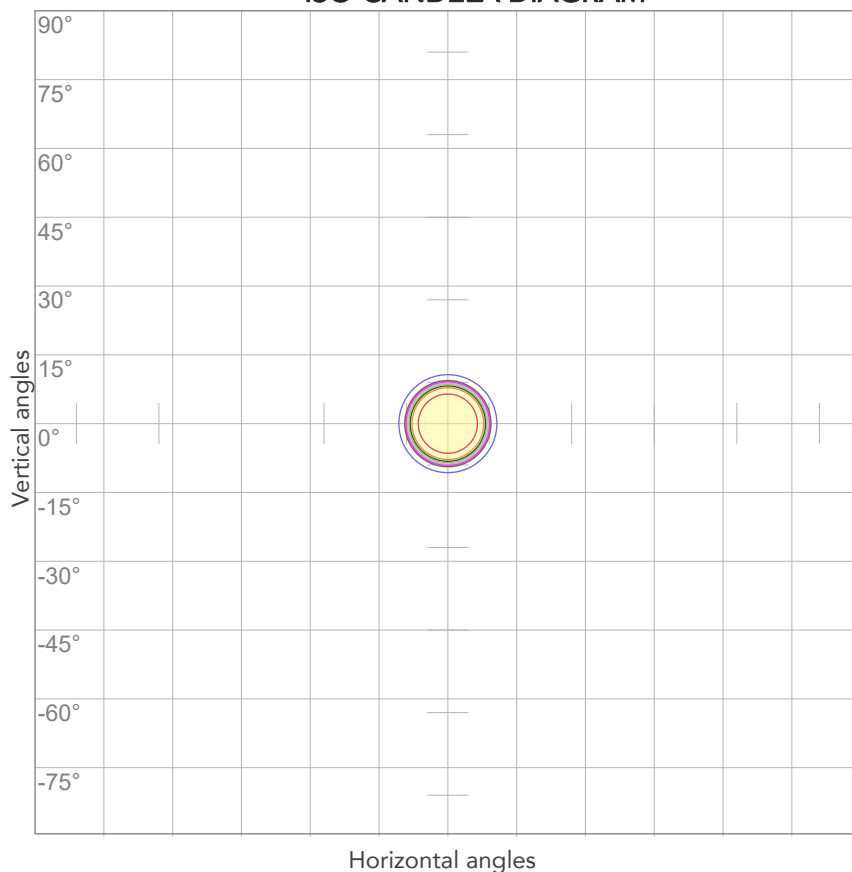


### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 227V          | 1,20A         | 234,7W      | 0,86     | 5lm/W      |



## ISO CANDELA DIAGRAM



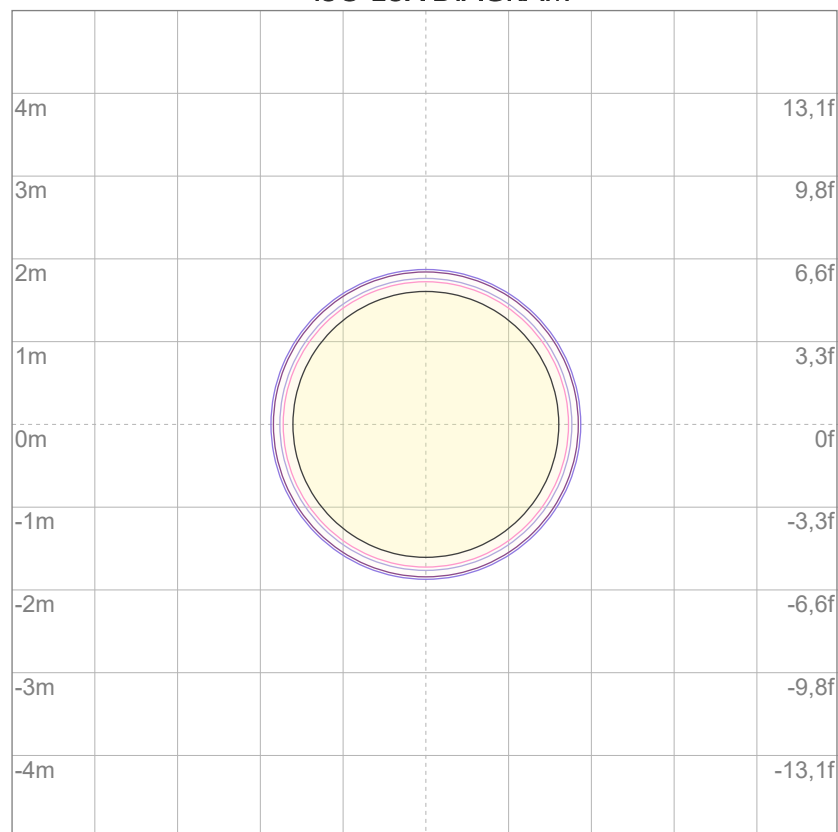
|     |          |
|-----|----------|
| 10% | 1698 cd  |
| 20% | 3396 cd  |
| 30% | 5093 cd  |
| 40% | 6791 cd  |
| 50% | 8489 cd  |
| 60% | 10187 cd |
| 70% | 11884 cd |
| 80% | 13582 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 16978 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 5,09 lx |
| 5%  | 8,49 lx |
| 10% | 17,0 lx |
| 30% | 50,9 lx |
| 50% | 84,9 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 170 lx

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



Total lumen output:

1398 lm

Peak candela output:

101793 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

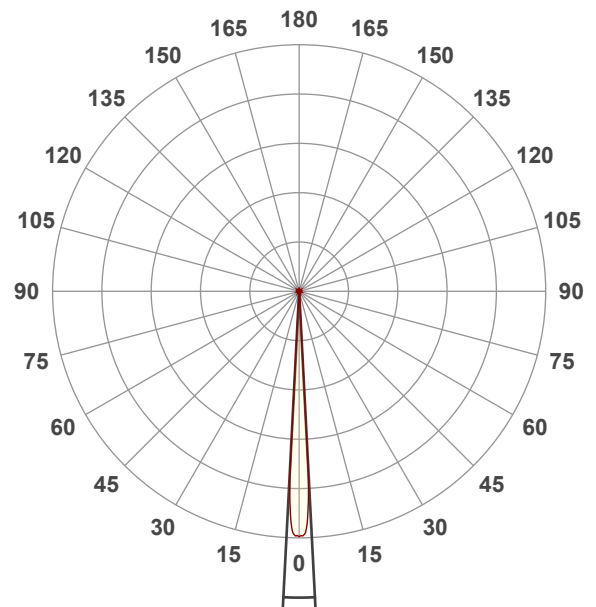
Red - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 11:26:13

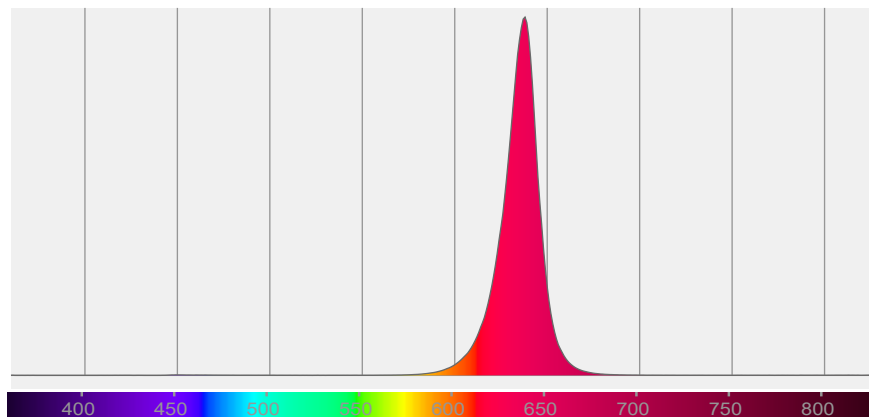


Beam angle 50%: 5,9°

Field angle 10%: 6,2°

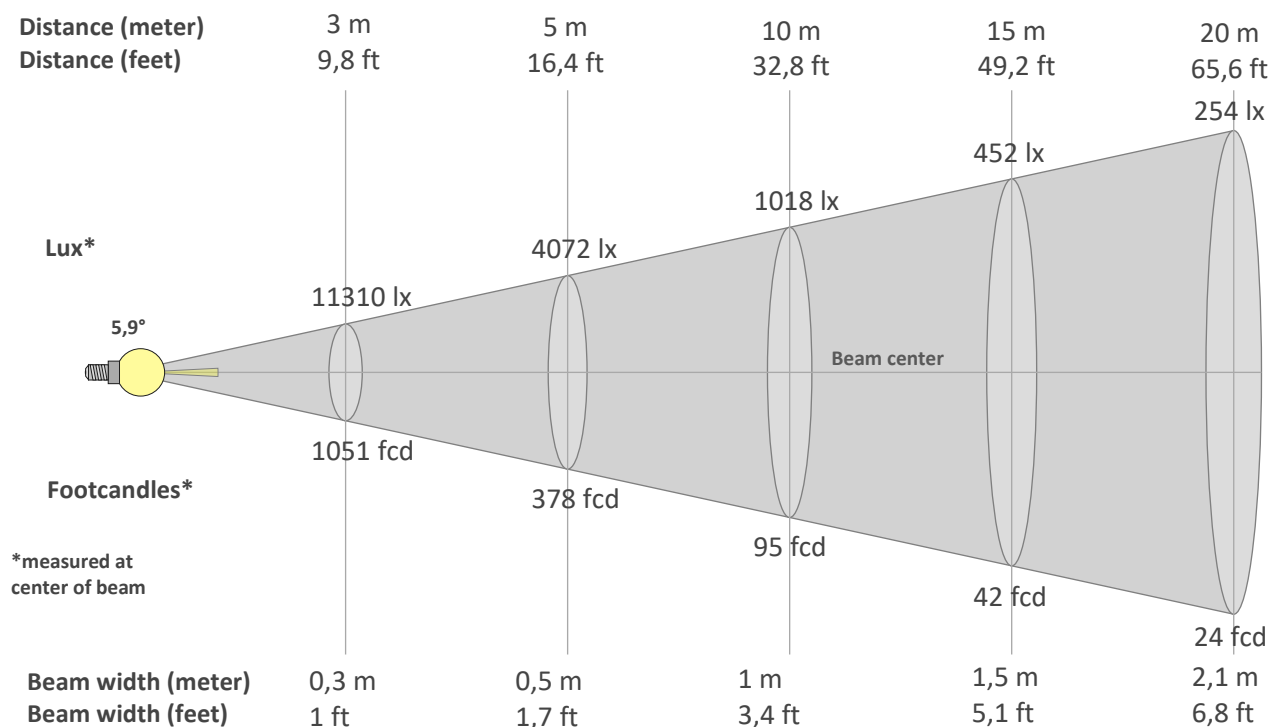
Cut off angle 2.5%: 6,6°

Spectra



## BEAM DETAILS

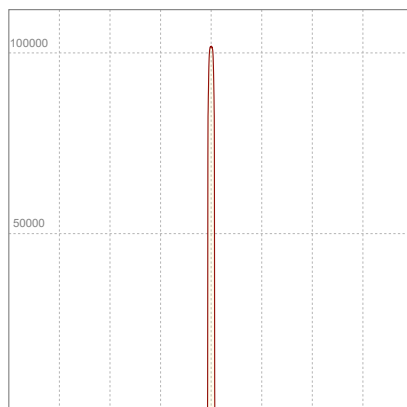
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,2°            | 6,6°               | 78,6%                        | 69,5%                       |



### 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       | 101793lx | 25448lx | 11310lx | 6362lx | 4072lx | 1810lx | 1018lx | 452lx  | 254lx  | 163lx | 113lx  | 64lx    | 41lx   |
| Footcand. | 9457fcd  | 2364fcd | 1051fcd | 591fcd | 378fcd | 168fcd | 95fcd  | 42fcd  | 24fcd  | 15fcd | 11fcd  | 6fcd    | 4fcd   |
| Beam wid. | 0,1m     | 0,2m    | 0,3m    | 0,4m   | 0,5m   | 0,8m   | 1m     | 1,5m   | 2,1m   | 2,6m  | 3,1m   | 4,1m    | 5,2m   |
| Beam wid. | 0,3ft    | 0,7ft   | 1ft     | 1,4ft  | 1,7ft  | 2,5ft  | 3,4ft  | 5,1ft  | 6,8ft  | 8,5ft | 10,1ft | 13,5ft  | 16,9ft |

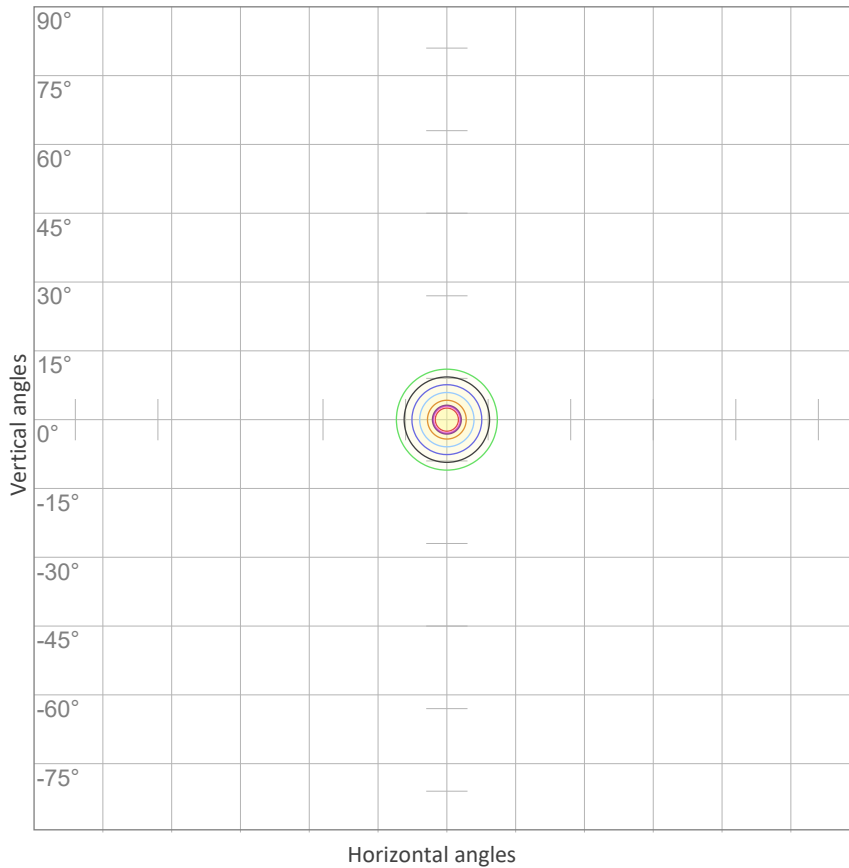
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,18A         | 229,7W      | 0,86     | 6lm/W      |

## ISO CANDELA DIAGRAM



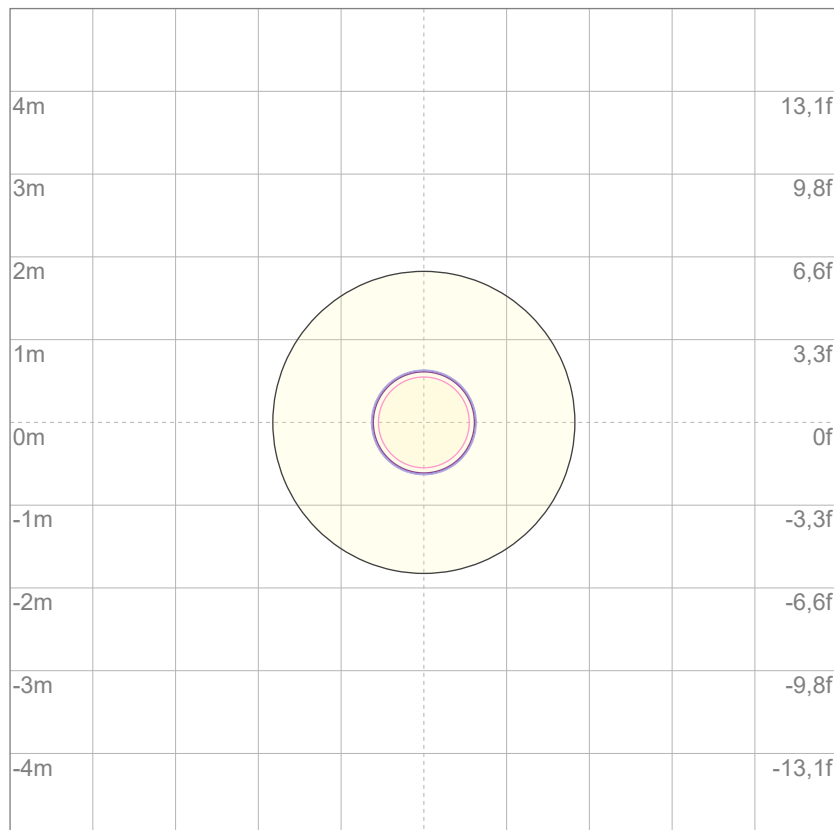
|     |          |
|-----|----------|
| 10% | 10179 cd |
| 20% | 20359 cd |
| 30% | 30538 cd |
| 40% | 40717 cd |
| 50% | 50897 cd |
| 60% | 61076 cd |
| 70% | 71255 cd |
| 80% | 81435 cd |
| 90% | 91614 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 101793 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 30,5 lx |
| 5%  | 50,9 lx |
| 10% | 102 lx  |
| 30% | 305 lx  |
| 50% | 509 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 1018 lx

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



Total lumen output:

2888 lm

Peak candela output:

5532 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

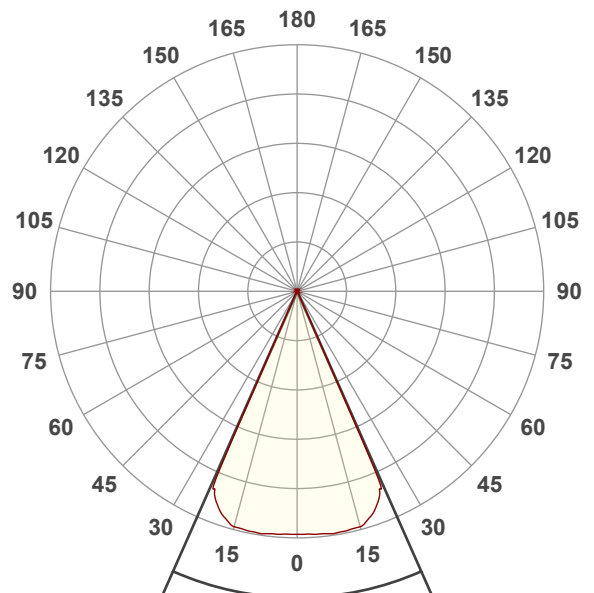
Green - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 10:21:47

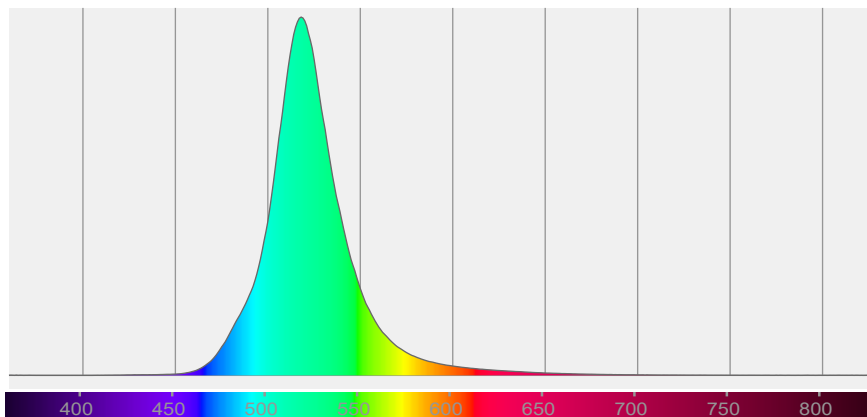


Beam angle 50%: 47,8°

Field angle 10%: 48,9°

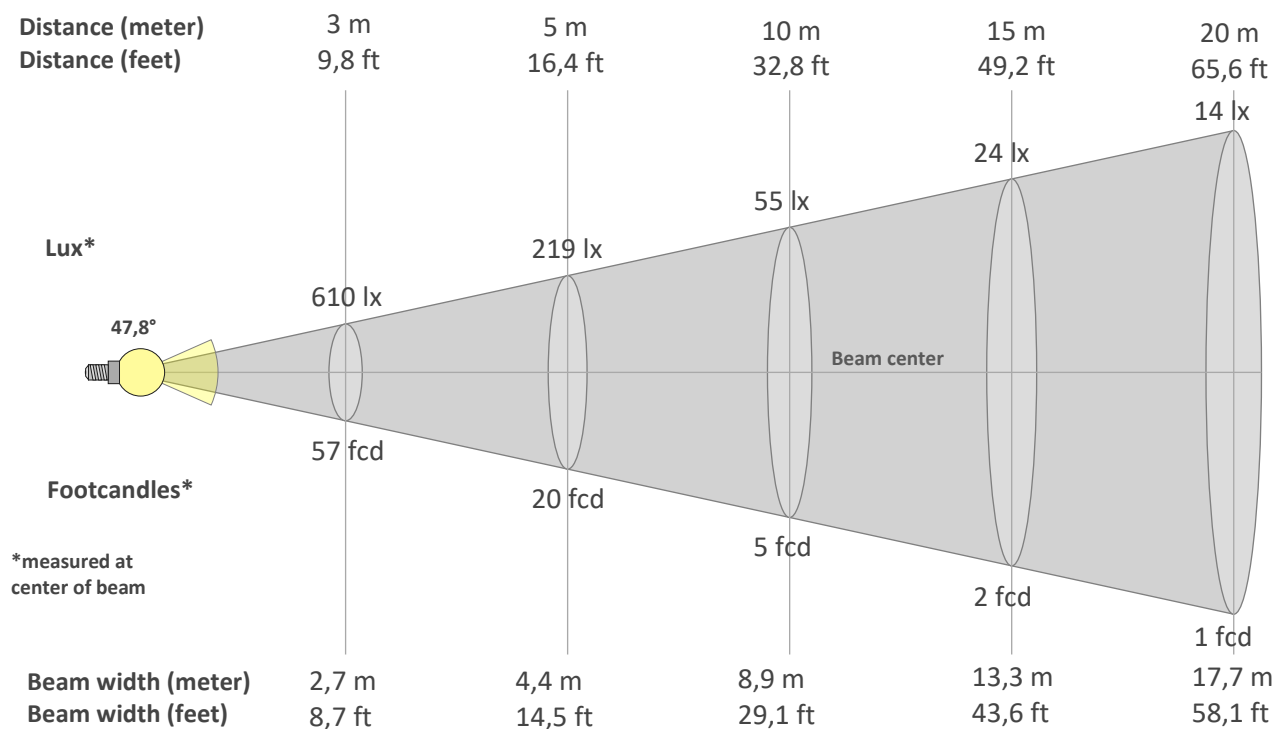
Cut off angle 2.5%: 50,2°

Spectra



## BEAM DETAILS

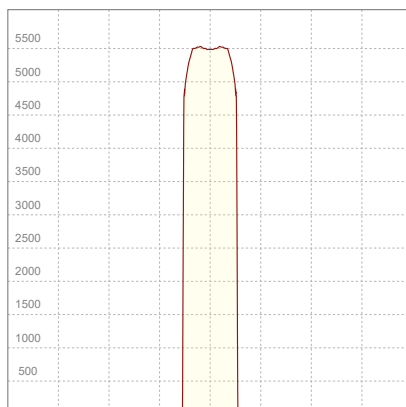
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 47,8°          | 48,9°           | 50,2°              | 99,8%                        | 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       | 5486lx | 1372lx | 610lx | 343lx  | 219lx  | 98lx   | 55lx   | 24lx   | 14lx   | 9lx    | 6lx    | 3lx     | 2lx     |
| Footcand. | 510fcd | 127fcd | 57fcd | 32fcd  | 20fcd  | 9fcd   | 5fcd   | 2fcd   | 1fcd   | 1fcd   | 1fcd   | 0fcd    | 0fcd    |
| Beam wid. | 0,9m   | 1,8m   | 2,7m  | 3,5m   | 4,4m   | 6,6m   | 8,9m   | 13,3m  | 17,7m  | 22,2m  | 26,6m  | 35,5m   | 44,3m   |
| Beam wid. | 2,9ft  | 5,9ft  | 8,7ft | 11,6ft | 14,5ft | 21,8ft | 29,1ft | 43,6ft | 58,1ft | 72,7ft | 87,2ft | 116,3ft | 145,4ft |

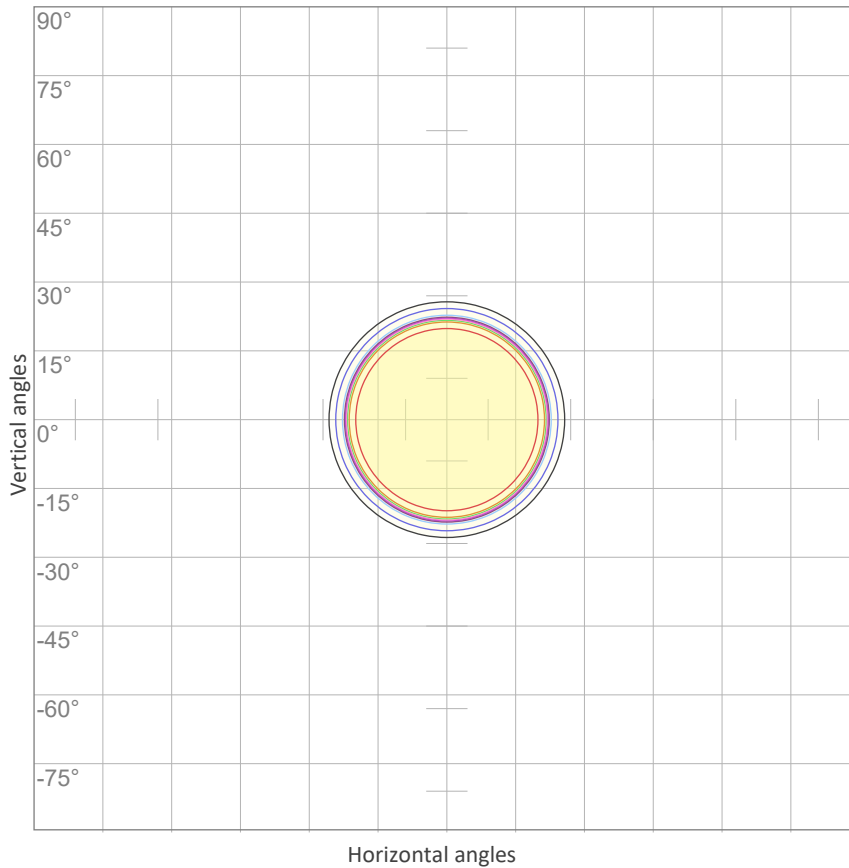
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,40A         | 286,4W      | 0,9      | 10lm/W     |

## ISO CANDELA DIAGRAM



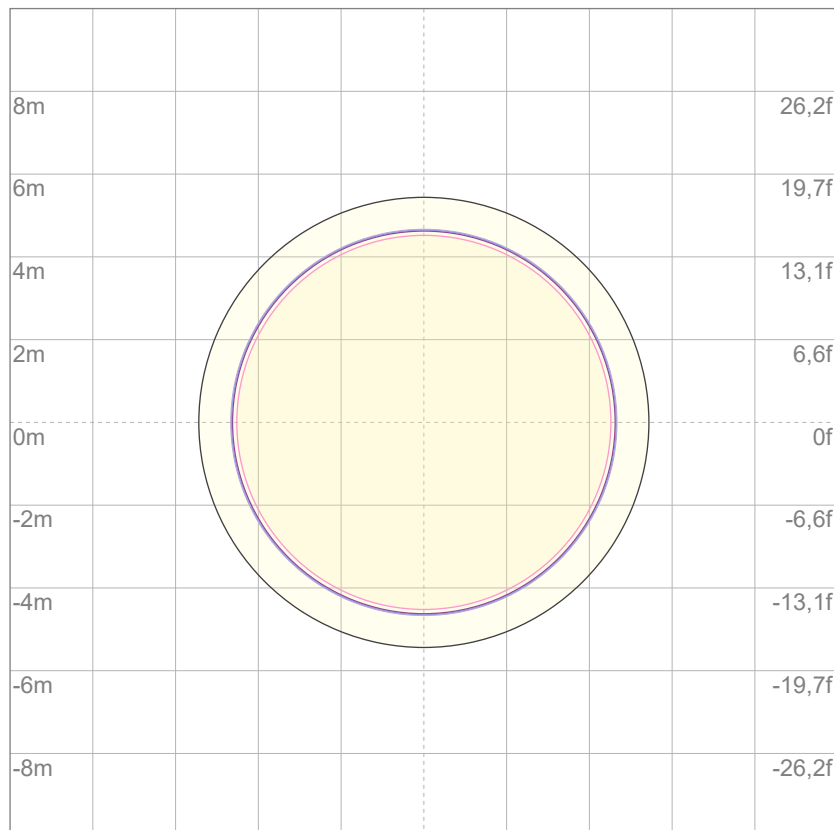
|     |         |
|-----|---------|
| 10% | 549 cd  |
| 20% | 1097 cd |
| 30% | 1646 cd |
| 40% | 2194 cd |
| 50% | 2743 cd |
| 60% | 3292 cd |
| 70% | 3840 cd |
| 80% | 4389 cd |
| 90% | 4937 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 5486 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 1,65 lx |
| 5%  | 2,74 lx |
| 10% | 5,49 lx |
| 30% | 16,5 lx |
| 50% | 27,4 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 54,9 lx

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



Total lumen output:

2877 lm

Peak candela output:

39348 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

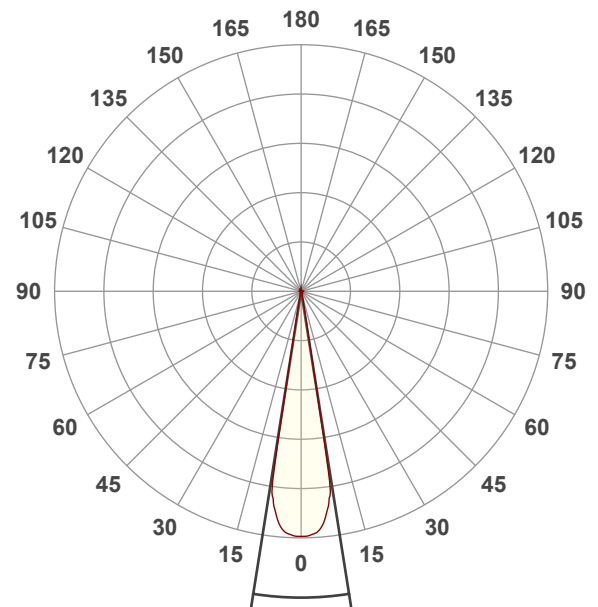
Green - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 09:39:10

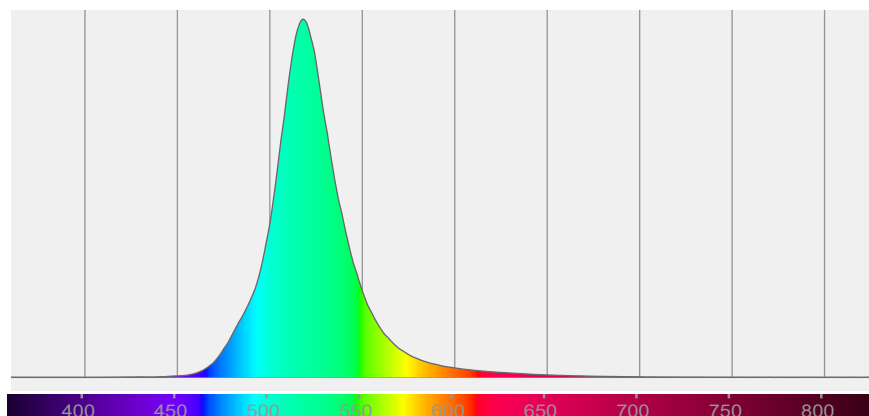


Beam angle 50%: 18°

Field angle 10%: 19,5°

Cut off angle 2.5%: 20,8°

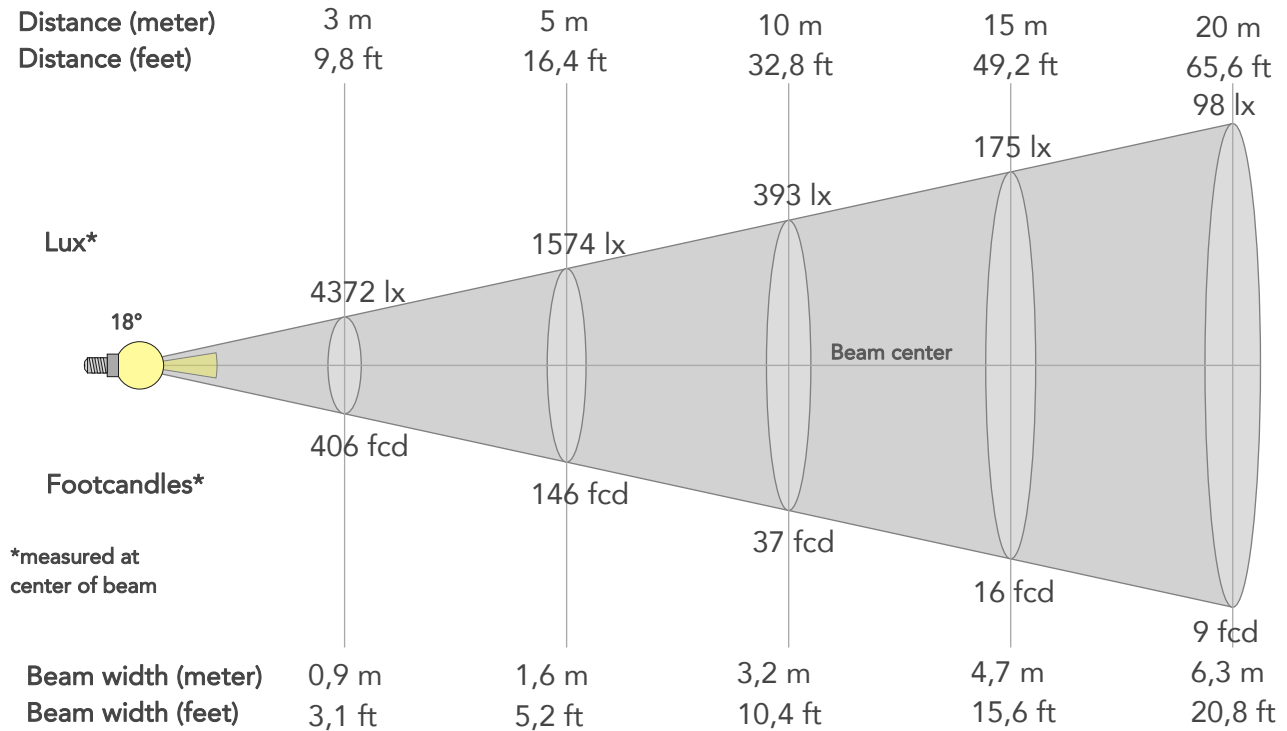
**Spectra**





## BEAM DETAILS

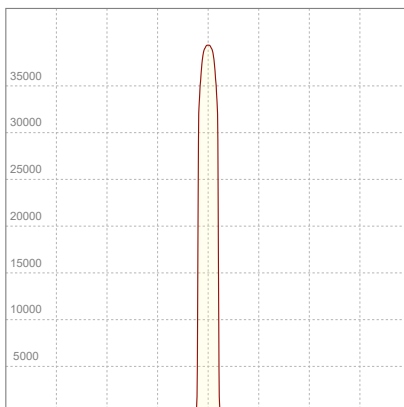
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18°            | 19,5°           | 20,8°              | 99,9%                        | 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       | 39348lx | 9837lx | 4372lx | 2459lx | 1574lx | 700lx  | 393lx  | 175lx  | 98lx   | 63lx | 44lx   | 25lx    | 16lx   |
| Footcand. | 3656fcd | 914fcd | 406fcd | 228fcd | 146fcd | 65fcd  | 37fcd  | 16fcd  | 9fcd   | 6fcd | 4fcd   | 2fcd    | 1fcd   |
| Beam wid. | 0,3m    | 0,6m   | 0,9m   | 1,3m   | 1,6m   | 2,4m   | 3,2m   | 4,7m   | 6,3m   | 7,9m | 9,5m   | 12,7m   | 15,8m  |
| Beam wid. | 1ft     | 2,1ft  | 3,1ft  | 4,1ft  | 5,2ft  | 7,8ft  | 10,4ft | 15,6ft | 20,8ft | 26ft | 31,2ft | 41,5ft  | 51,9ft |

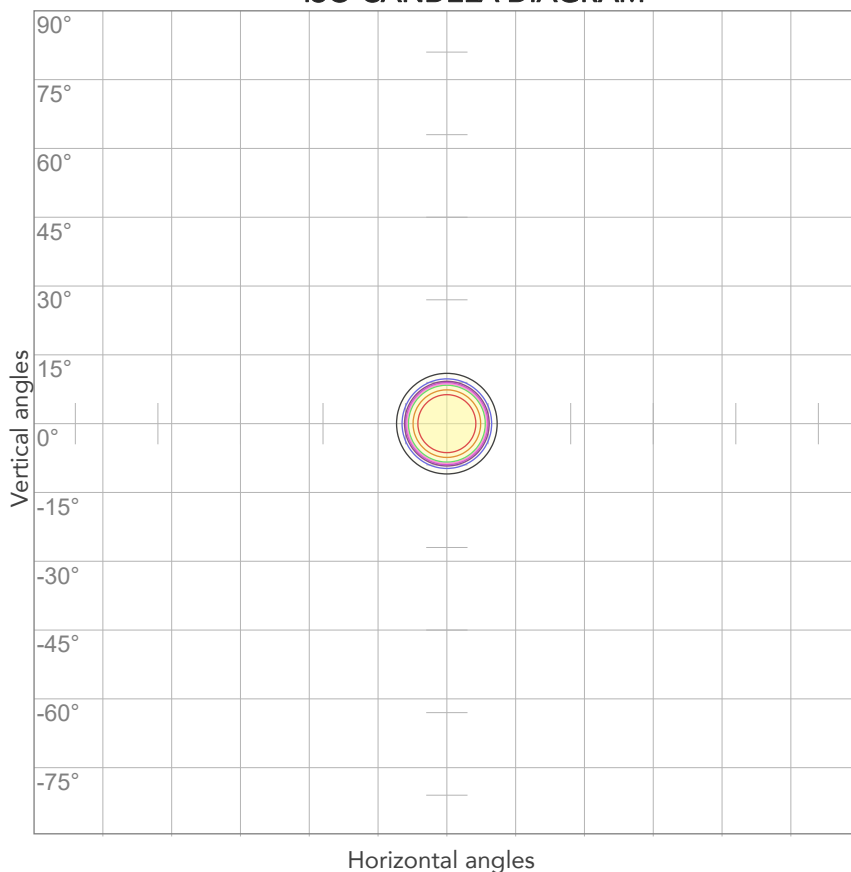
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 227V          | 1,43A         | 290,7W      | 0,9      | 10lm/W     |

## ISO CANDELA DIAGRAM



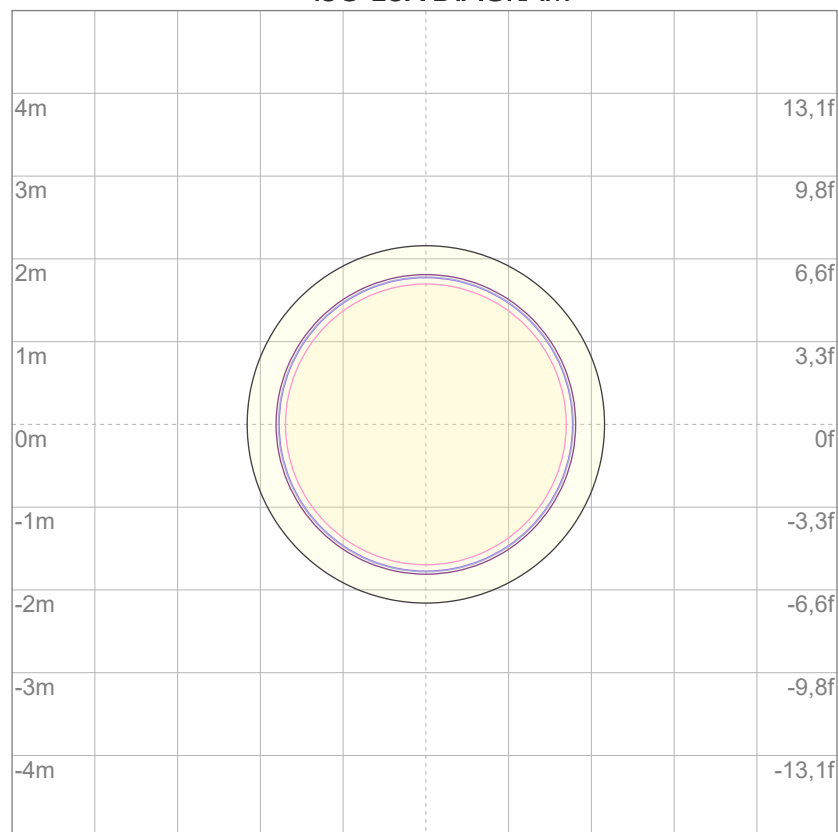
|     |          |
|-----|----------|
| 10% | 3935 cd  |
| 20% | 7870 cd  |
| 30% | 11804 cd |
| 40% | 15739 cd |
| 50% | 19674 cd |
| 60% | 23609 cd |
| 70% | 27543 cd |
| 80% | 31478 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 39348 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 11,8 lx |
| 5%  | 19,7 lx |
| 10% | 39,3 lx |
| 30% | 118 lx  |
| 50% | 197 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 393 lx

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



Total lumen output:

1590 lm

Peak candela output:

202287 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

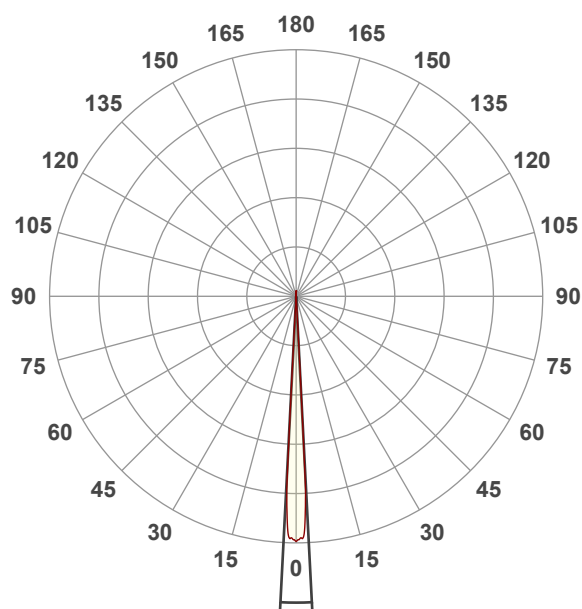
Green - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 09:55:00

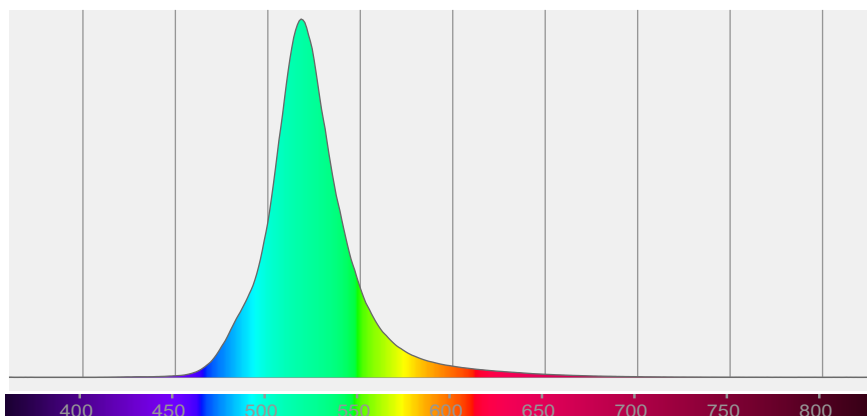


Beam angle 50%: 5,9°

Field angle 10%: 6,3°

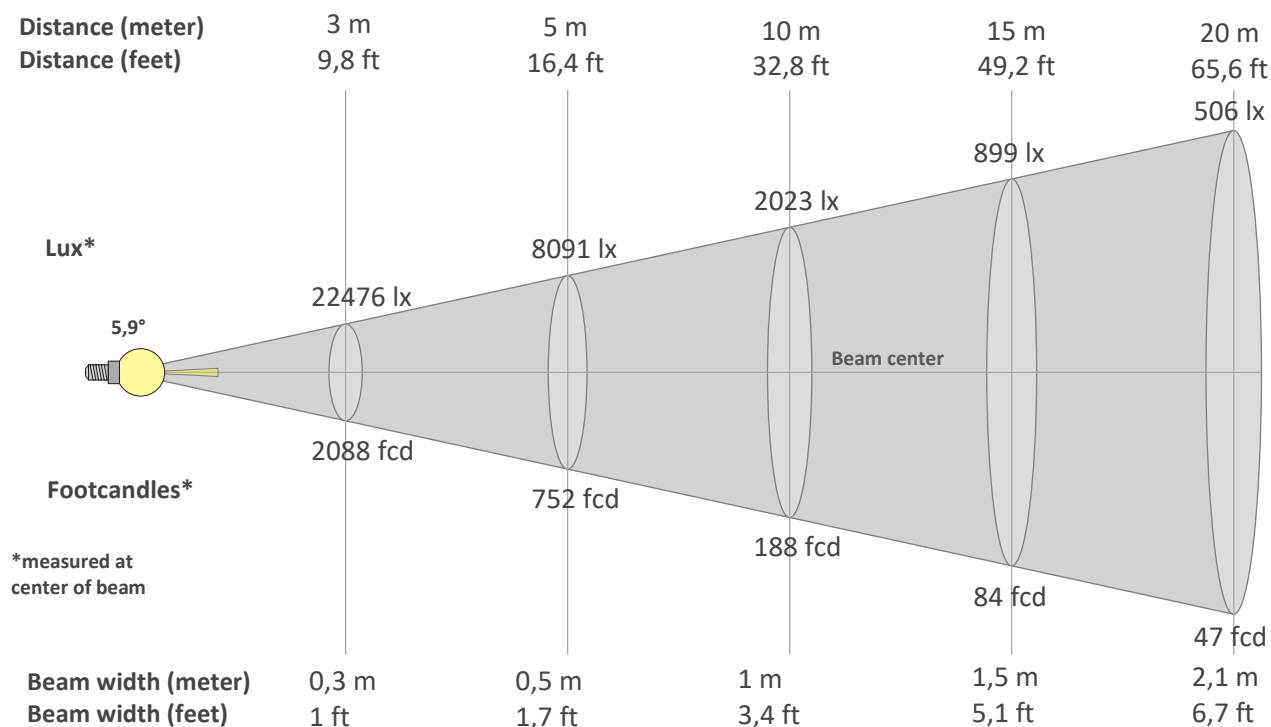
Cut off angle 2.5%: 6,4°

**Spectra**



## BEAM DETAILS

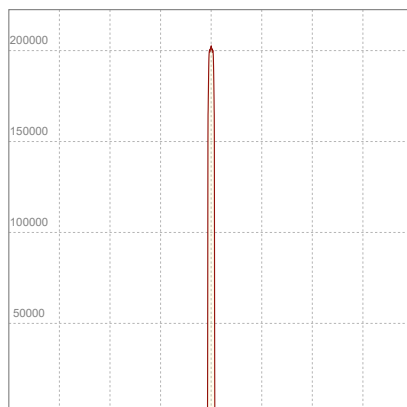
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,3°            | 6,4°               | 100,0%                       | 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       | 202287lx | 50572lx | 22476lx | 12643lx | 8091lx | 3596lx | 2023lx | 899lx  | 506lx  | 324lx | 225lx  | 126lx   | 81lx   |
| Footcand. | 18793fcd | 4698fcd | 2088fcd | 1175fcd | 752fcd | 334fcd | 188fcd | 84fcd  | 47fcd  | 30fcd | 21fcd  | 12fcd   | 8fcd   |
| Beam wid. | 0,1m     | 0,2m    | 0,3m    | 0,4m    | 0,5m   | 0,8m   | 1m     | 1,5m   | 2,1m   | 2,6m  | 3,1m   | 4,1m    | 5,1m   |
| Beam wid. | 0,3ft    | 0,7ft   | 1ft     | 1,3ft   | 1,7ft  | 2,5ft  | 3,4ft  | 5,1ft  | 6,7ft  | 8,4ft | 10,1ft | 13,5ft  | 16,8ft |

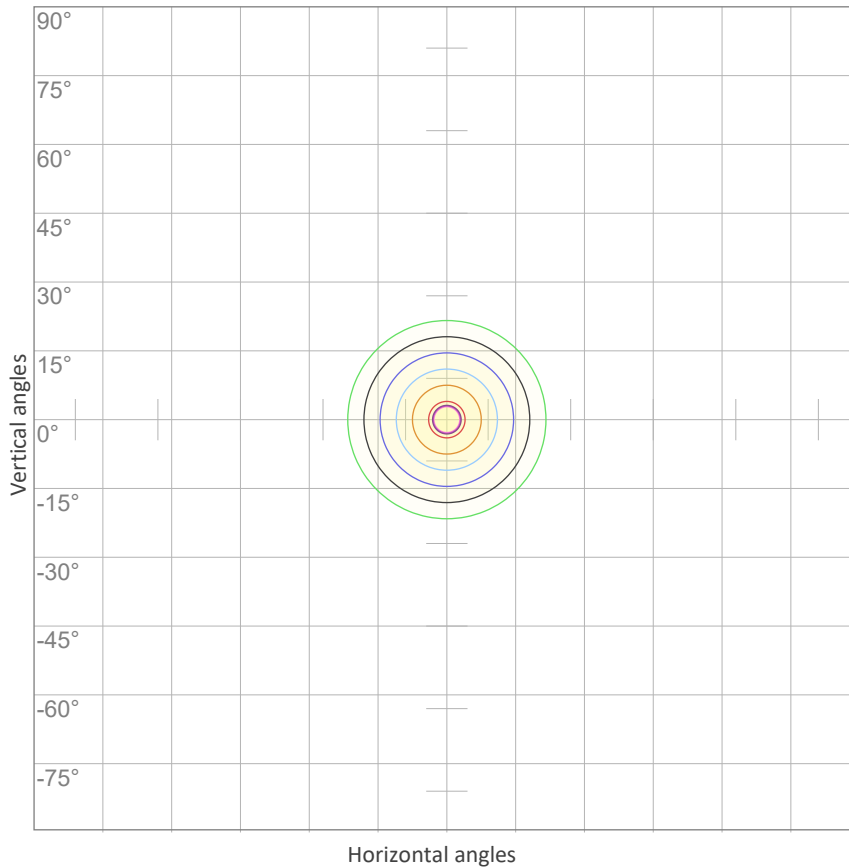
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,42A         | 289,2W      | 0,9      | 6lm/W      |

## ISO CANDELA DIAGRAM



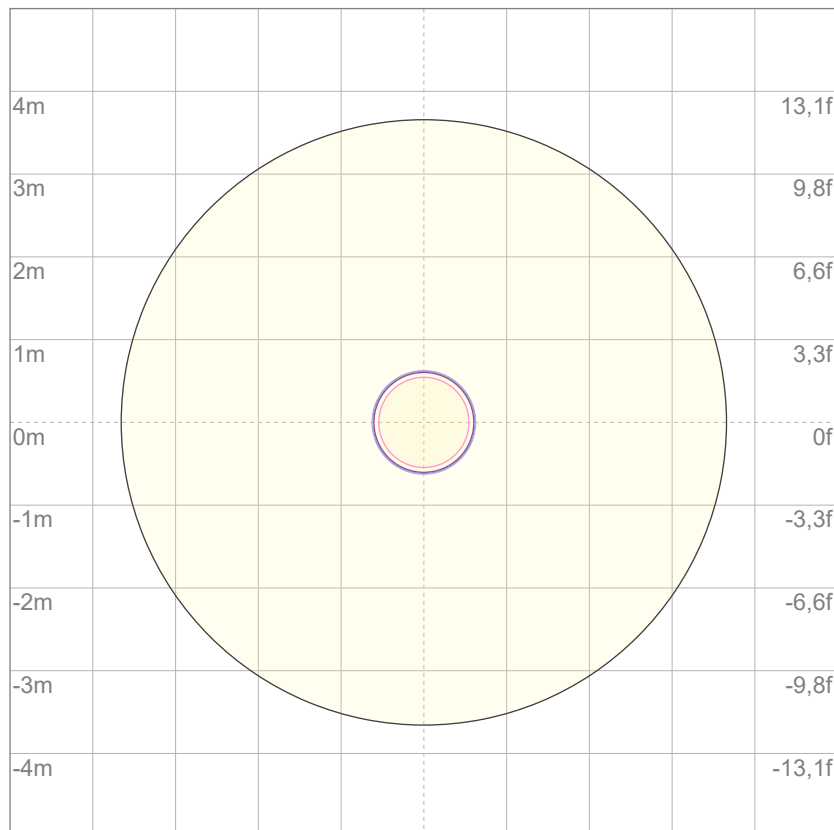
|     |           |
|-----|-----------|
| 10% | 20229 cd  |
| 20% | 40457 cd  |
| 30% | 60686 cd  |
| 40% | 80915 cd  |
| 50% | 101143 cd |
| 60% | 121372 cd |
| 70% | 141601 cd |
| 80% | 161829 cd |
| 90% | 182058 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 202287 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 60,7 lx |
| 5%  | 101 lx  |
| 10% | 202 lx  |
| 30% | 607 lx  |
| 50% | 1011 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 2023 lx

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



Total lumen output:

715 lm

Peak candela output:

1337 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

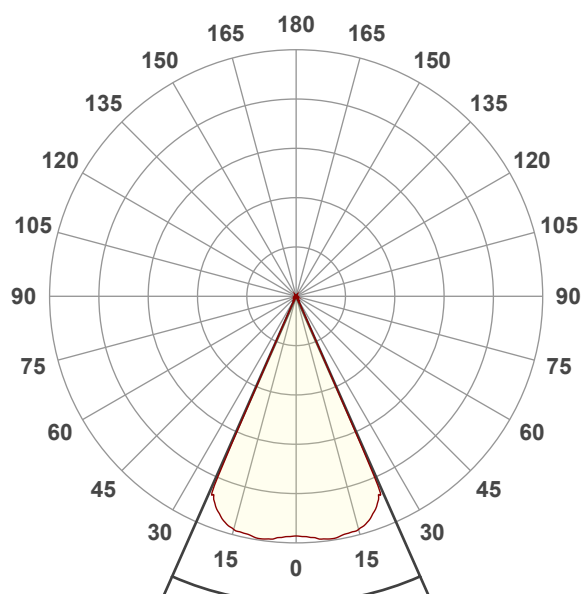
Blue - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 10:18:51

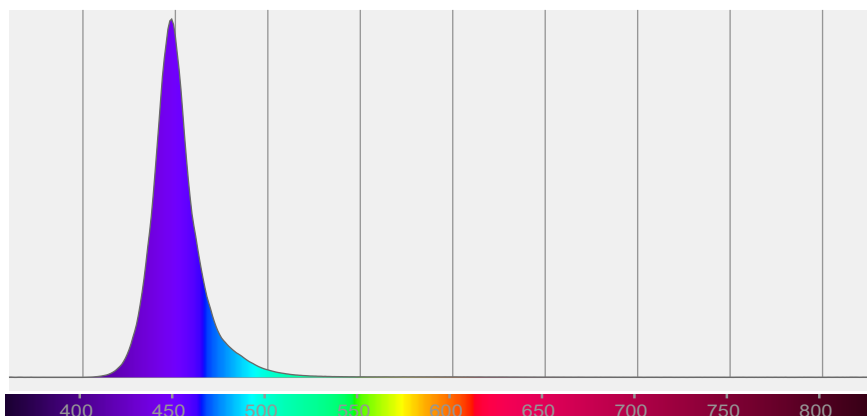


Beam angle 50%: 47,7°

Field angle 10%: 48,9°

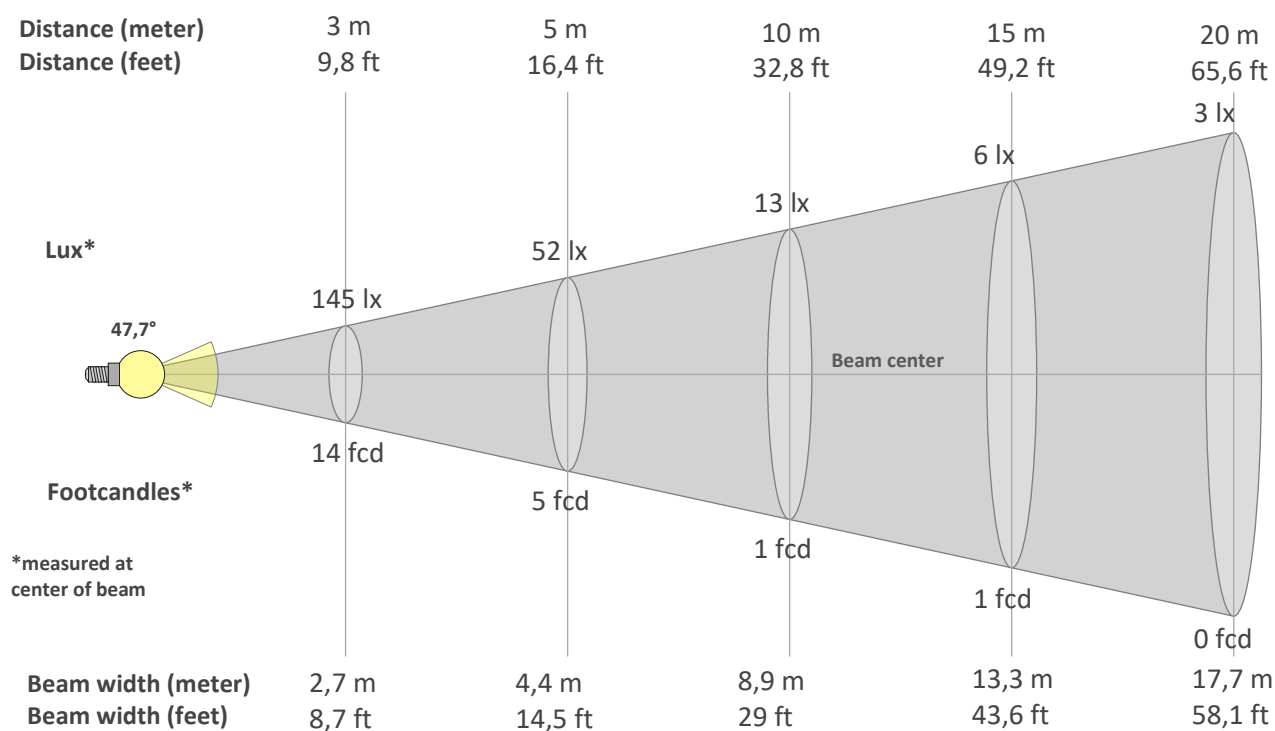
Cut off angle 2.5%: 50,5°

Spectra



## BEAM DETAILS

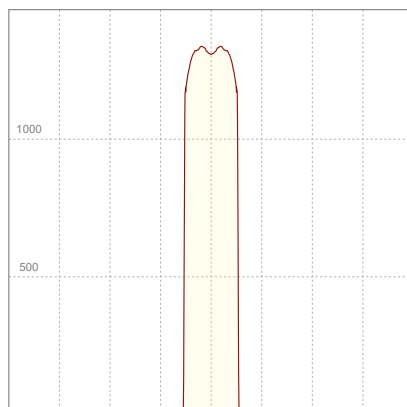
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 47,7°          | 48,9°           | 50,5°              | 97,9%                        | 97,4%                       |



### 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       | 1309lx | 327lx | 145lx | 82lx   | 52lx   | 23lx   | 13lx   | 6lx    | 3lx    | 2lx    | 1lx    | 1lx     | 1lx     |
| Footcand. | 122fcd | 30fcd | 14fcd | 8fcd   | 5fcd   | 2fcd   | 1fcd   | 1fcd   | 0fcd   | 0fcd   | 0fcd   | 0fcd    | 0fcd    |
| Beam wid. | 0,9m   | 1,8m  | 2,7m  | 3,5m   | 4,4m   | 6,6m   | 8,9m   | 13,3m  | 17,7m  | 22,1m  | 26,6m  | 35,4m   | 44,3m   |
| Beam wid. | 2,9ft  | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 21,8ft | 29ft   | 43,6ft | 58,1ft | 72,6ft | 87,1ft | 116,1ft | 145,2ft |

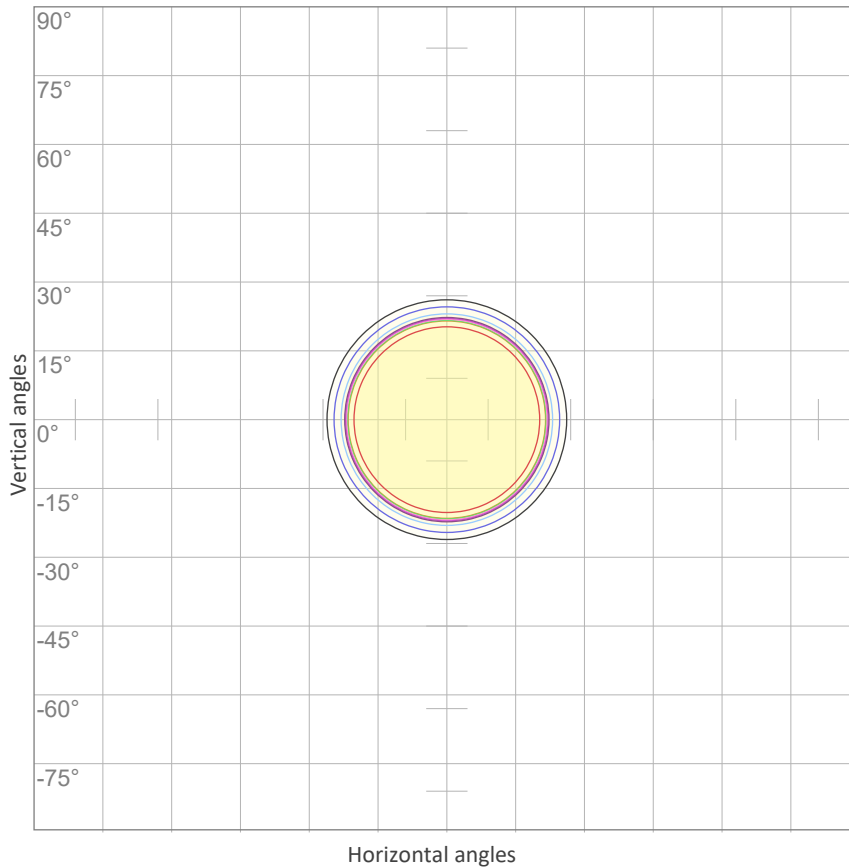
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,54A         | 320W        | 0,91     | 2lm/W      |

## ISO CANDELA DIAGRAM



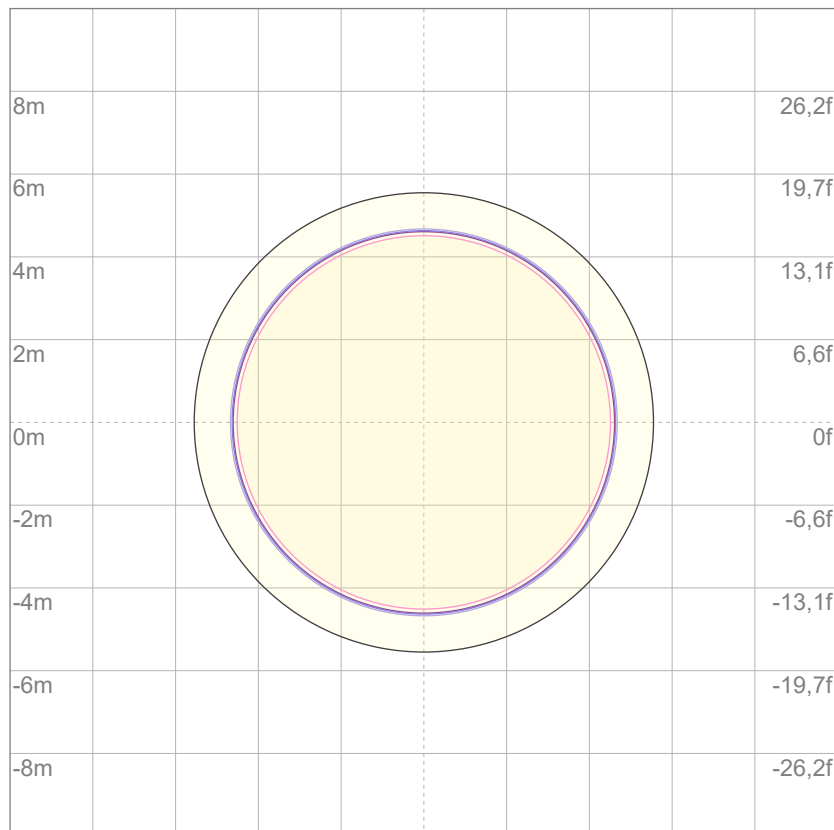
|     |         |
|-----|---------|
| 10% | 131 cd  |
| 20% | 262 cd  |
| 30% | 393 cd  |
| 40% | 523 cd  |
| 50% | 654 cd  |
| 60% | 785 cd  |
| 70% | 916 cd  |
| 80% | 1047 cd |
| 90% | 1178 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1309 cd

## ISO LUX DIAGRAM



|     |          |
|-----|----------|
| 3%  | 0,393 lx |
| 5%  | 0,654 lx |
| 10% | 1,31 lx  |
| 30% | 3,93 lx  |
| 50% | 6,54 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 13,1 lx

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





Total lumen output:

682 lm

Peak candela output:

9241 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

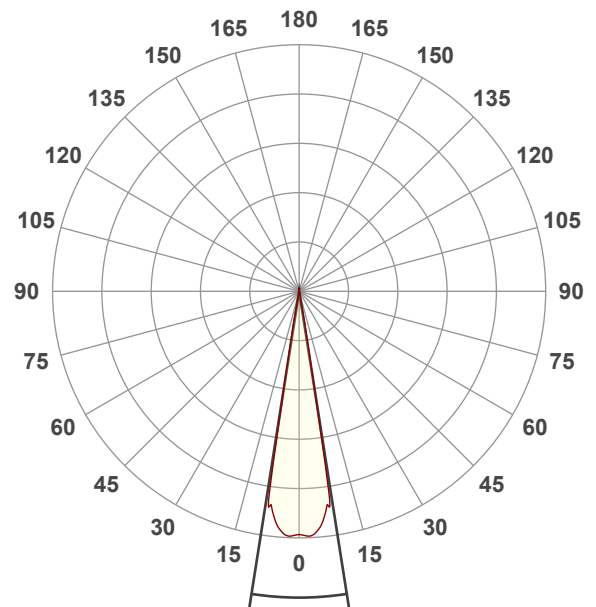
Blue - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 09:43:38

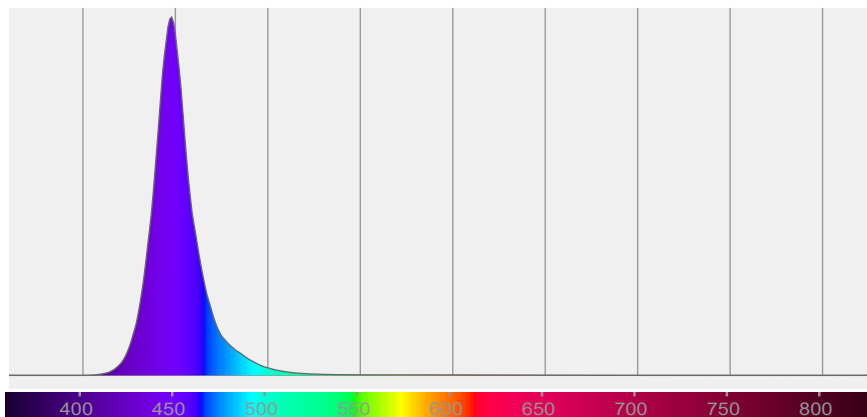


Beam angle 50%: 17,9°

Field angle 10%: 19,9°

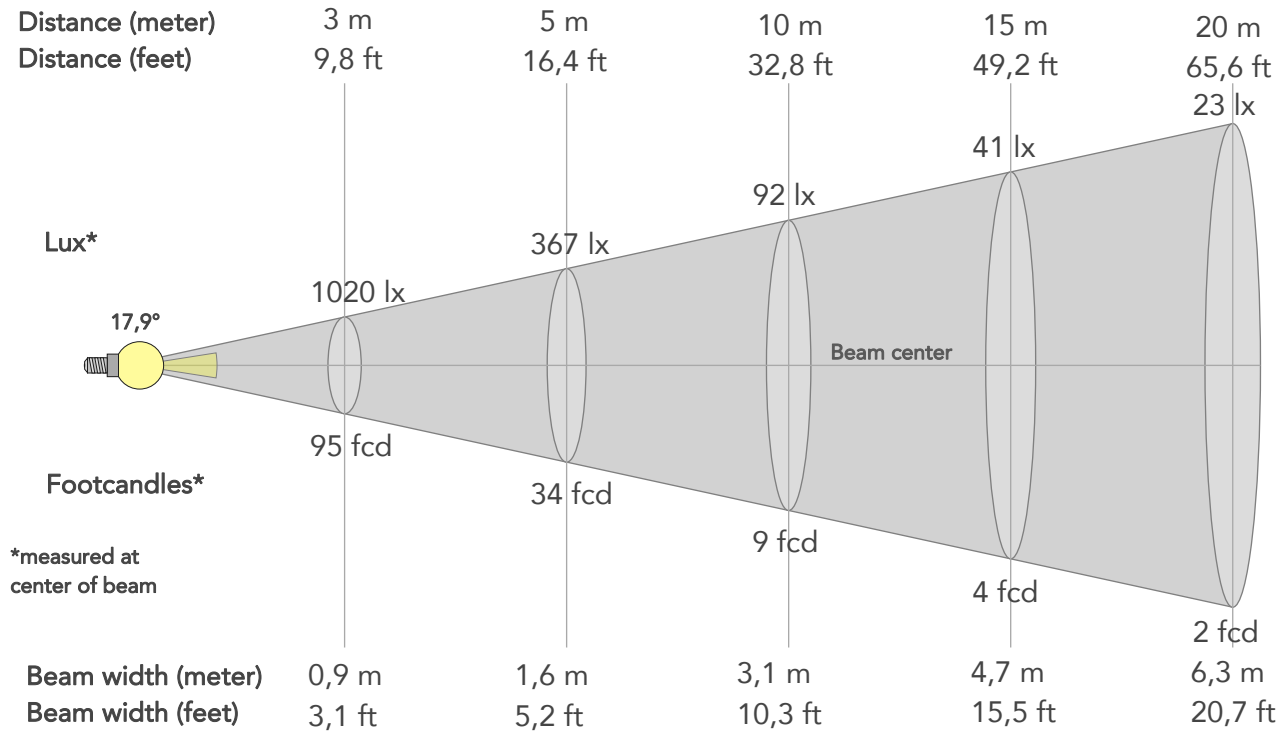
Cut off angle 2.5%: 20,6°

**Spectra**



## BEAM DETAILS

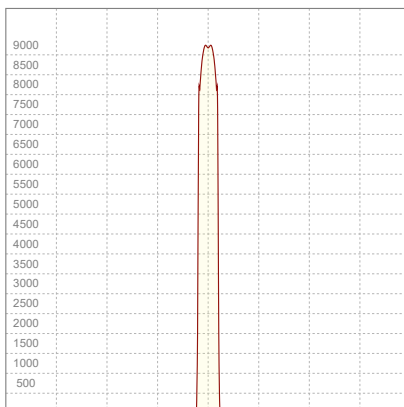
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 17,9°          | 19,9°           | 20,6°              | 100,0%                       | 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       | 9180lx | 2295lx | 1020lx | 574lx  | 367lx  | 163lx  | 92lx   | 41lx   | 23lx   | 15lx   | 10lx   | 6lx     | 4lx    |
| Footcand. | 853fcd | 213fcd | 95fcd  | 53fcd  | 34fcd  | 15fcd  | 9fcd   | 4fcd   | 2fcd   | 1fcd   | 1fcd   | 1fcd    | 0fcd   |
| Beam wid. | 0,3m   | 0,6m   | 0,9m   | 1,3m   | 1,6m   | 2,4m   | 3,1m   | 4,7m   | 6,3m   | 7,9m   | 9,4m   | 12,6m   | 15,7m  |
| Beam wid. | 1ft    | 2,1ft  | 3,1ft  | 4,1ft  | 5,2ft  | 7,7ft  | 10,3ft | 15,5ft | 20,7ft | 25,8ft | 31ft   | 41,3ft  | 51,6ft |

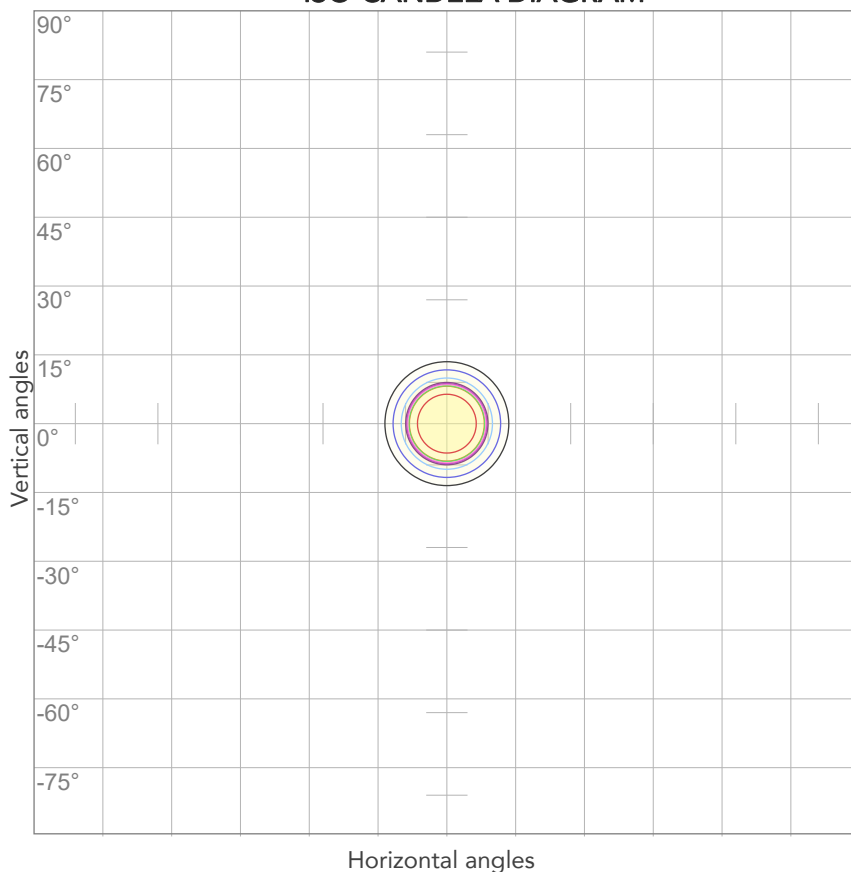
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 227V          | 1,56A         | 324,1W      | 0,91     | 2lm/W      |

## ISO CANDELA DIAGRAM



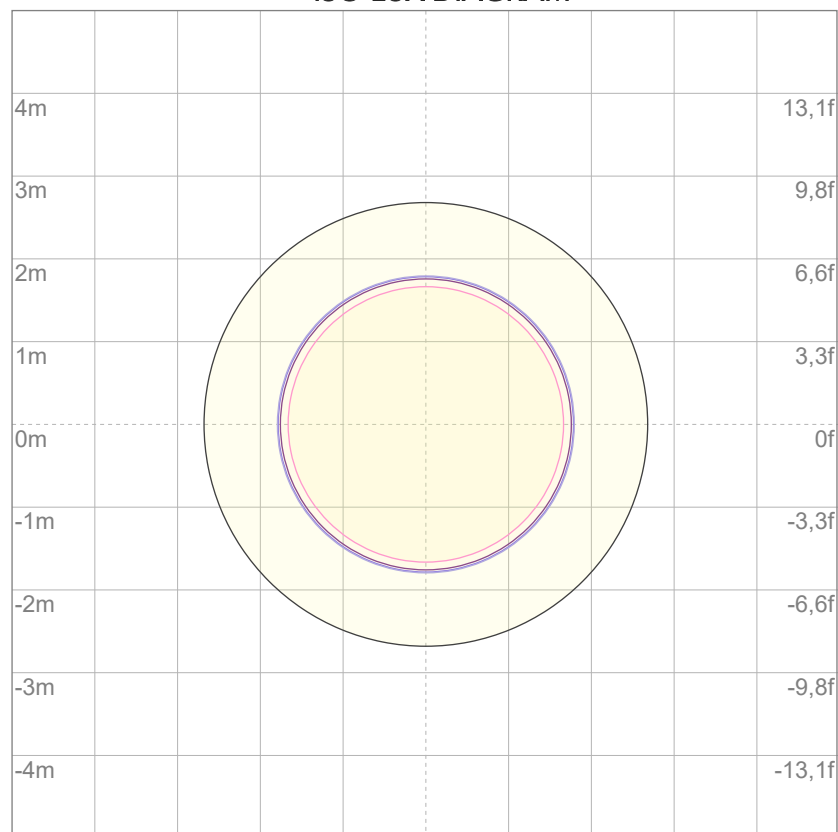
|     |         |
|-----|---------|
| 10% | 918 cd  |
| 20% | 1836 cd |
| 30% | 2754 cd |
| 40% | 3672 cd |
| 50% | 4590 cd |
| 60% | 5508 cd |
| 70% | 6426 cd |
| 80% | 7344 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 9180 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 2,75 lx |
| 5%  | 4,59 lx |
| 10% | 9,18 lx |
| 30% | 27,5 lx |
| 50% | 45,9 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 91,8 lx

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



Total lumen output:

1093 lm

Peak candela output:

44982 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

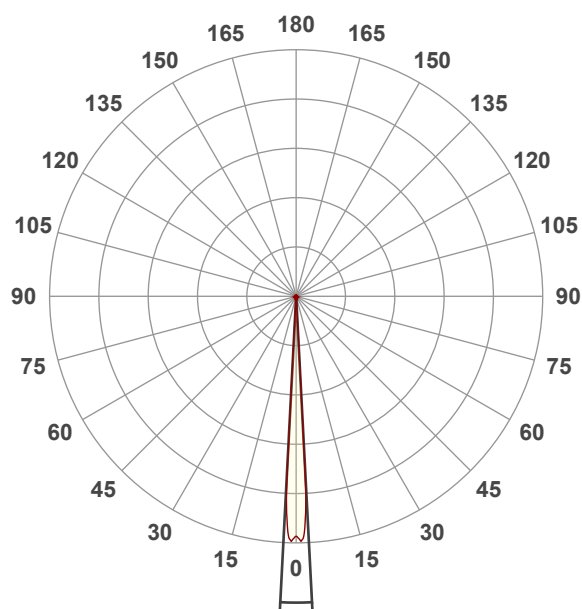
Blue - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 11:40:05

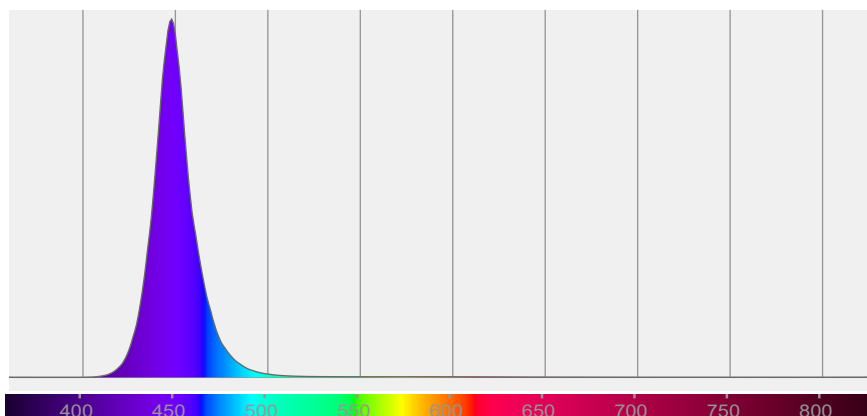


Beam angle 50%: 5,9°

Field angle 10%: 6,2°

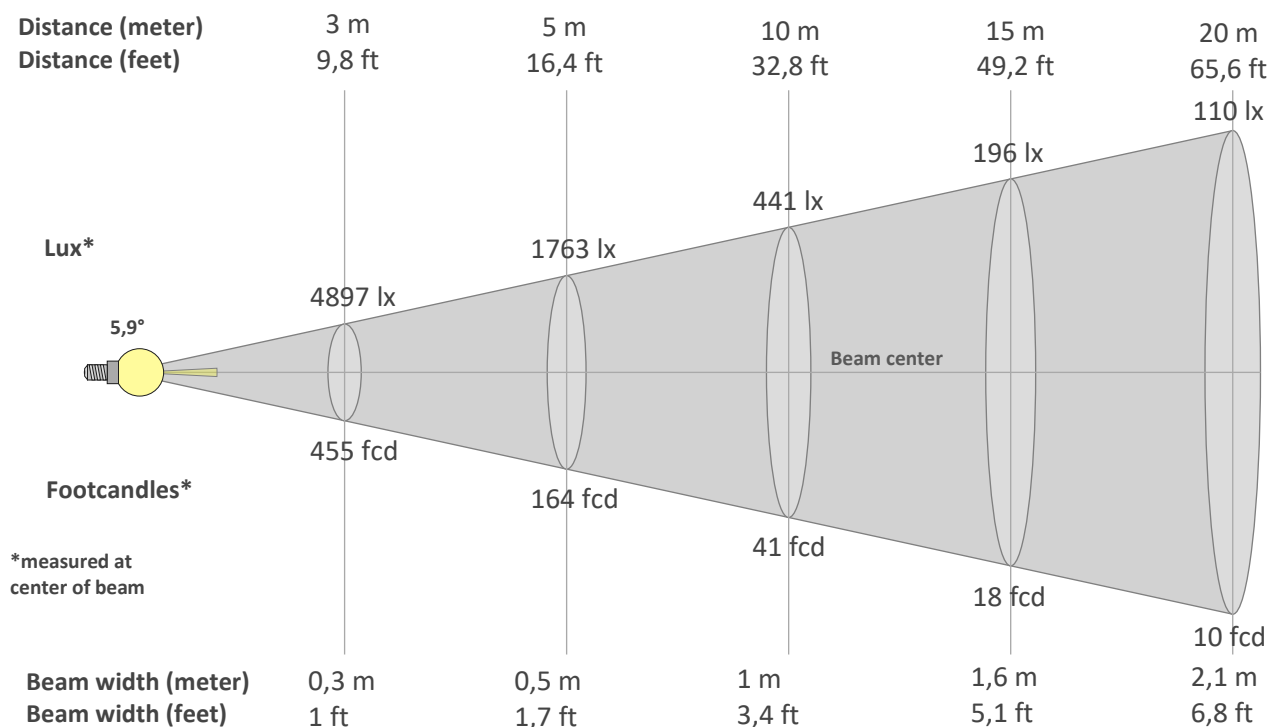
Cut off angle 2.5%: 6,6°

**Spectra**



## BEAM DETAILS

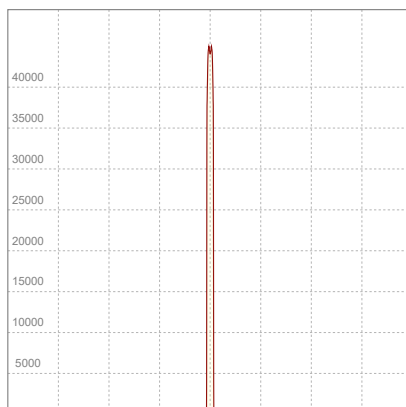
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,2°            | 6,6°               | 66,7%                        | 52,6%                       |



### 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 |
| <b>Lux</b>       | 44074lx | 11019lx | 4897lx | 2755lx | 1763lx | 784lx  | 441lx  | 196lx  | 110lx  | 71lx  | 49lx   | 28lx    | 18lx  |
| <b>Footcand.</b> | 4095fcd | 1024fcd | 455fcd | 256fcd | 164fcd | 73fcd  | 41fcd  | 18fcd  | 10fcd  | 7fcd  | 5fcd   | 3fcd    | 2fcd  |
| <b>Beam wid.</b> | 0,1m    | 0,2m    | 0,3m   | 0,4m   | 0,5m   | 0,8m   | 1m     | 1,6m   | 2,1m   | 2,6m  | 3,1m   | 4,1m    | 5,2m  |
| <b>Beam wid.</b> | 0,3ft   | 0,7ft   | 1ft    | 1,4ft  | 1,7ft  | 2,6ft  | 3,4ft  | 5,1ft  | 6,8ft  | 8,5ft | 10,2ft | 13,6ft  | 17ft  |

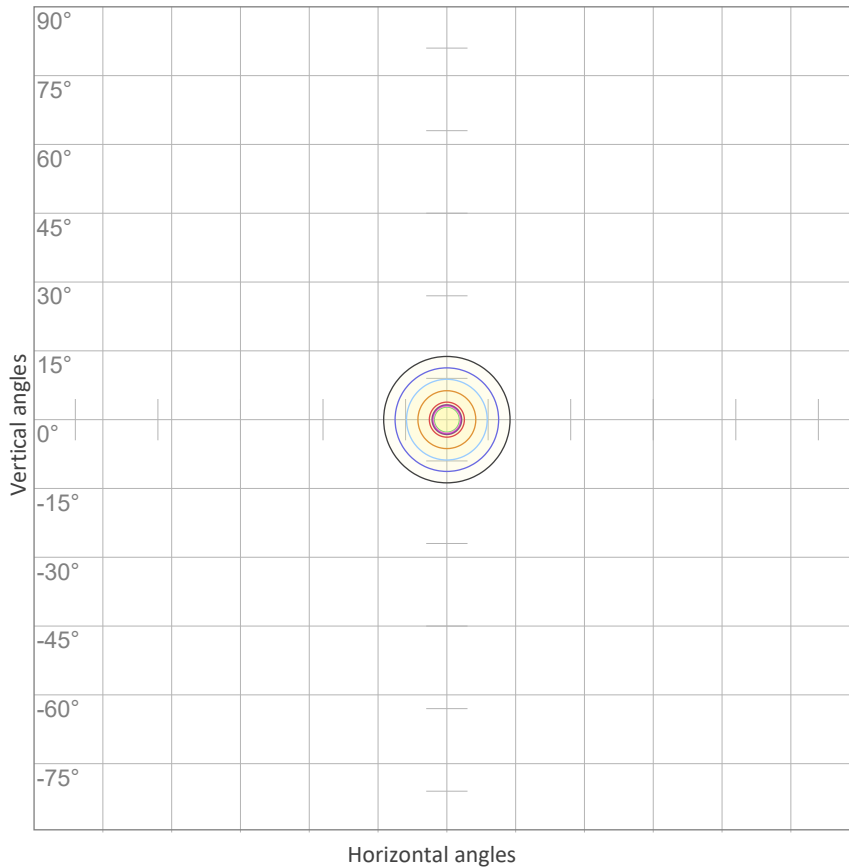
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,50A         | 308,7W      | 0,91     | 4lm/W      |

## ISO CANDELA DIAGRAM



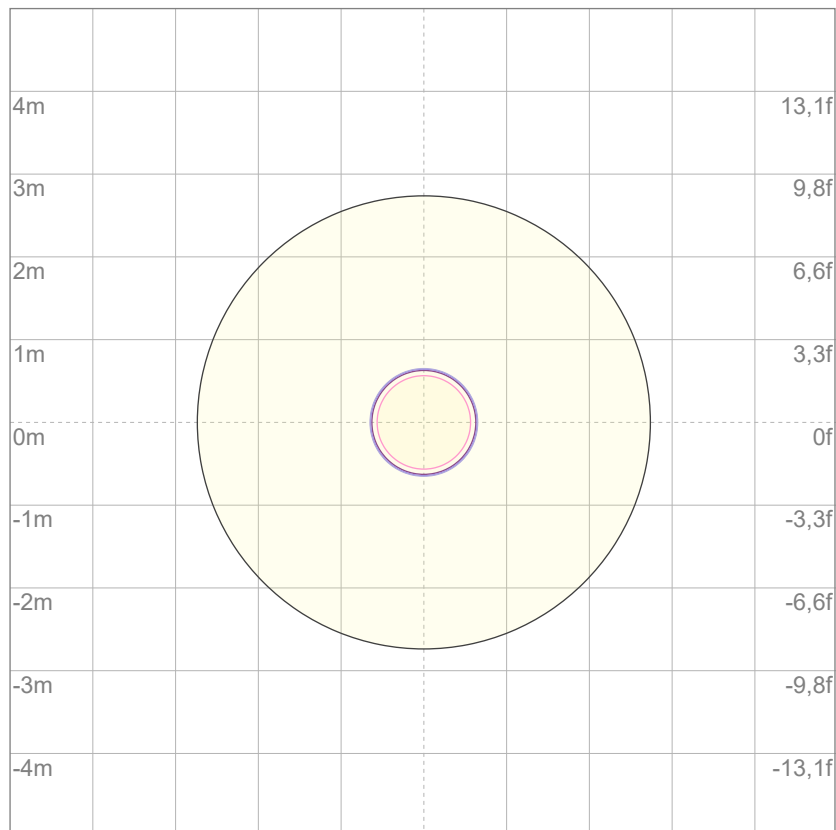
|     |          |
|-----|----------|
| 10% | 4407 cd  |
| 20% | 8815 cd  |
| 30% | 13222 cd |
| 40% | 17630 cd |
| 50% | 22037 cd |
| 60% | 26445 cd |
| 70% | 30852 cd |
| 80% | 35259 cd |
| 90% | 39667 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 44074 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 13,2 lx |
| 5%  | 22,0 lx |
| 10% | 44,1 lx |
| 30% | 132 lx  |
| 50% | 220 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 441 lx

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



Total lumen output:

1584 lm

Peak candela output:

2957 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

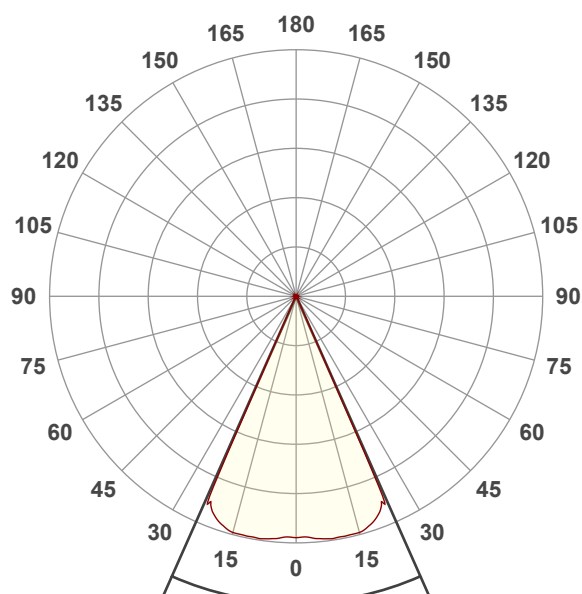
Cyan - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 12:48:45

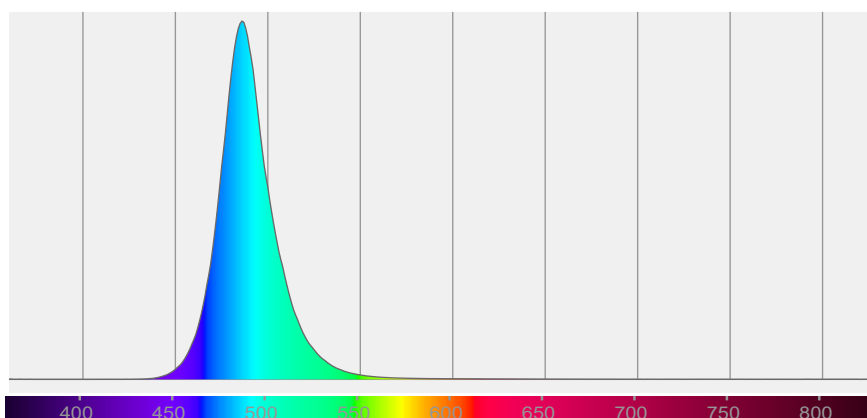


Beam angle 50%: 47,9°

Field angle 10%: 48,9°

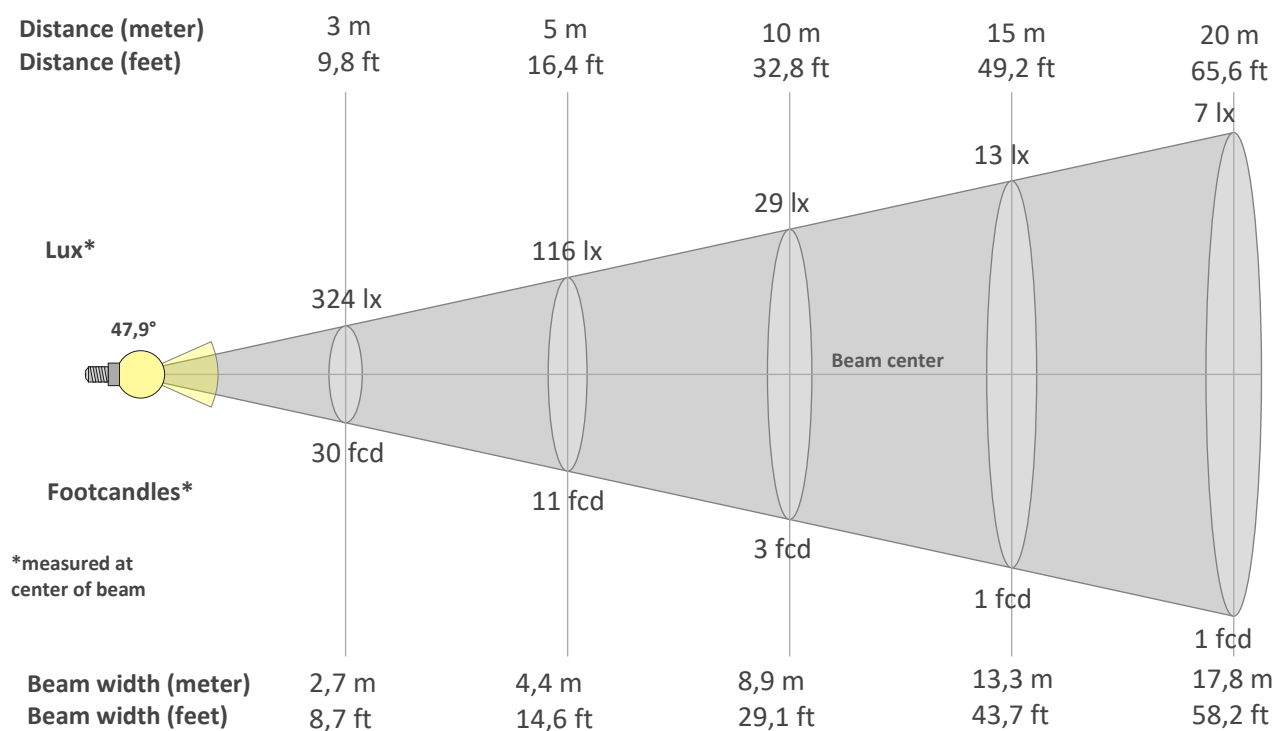
Cut off angle 2.5%: 50,3°

**Spectra**



## BEAM DETAILS

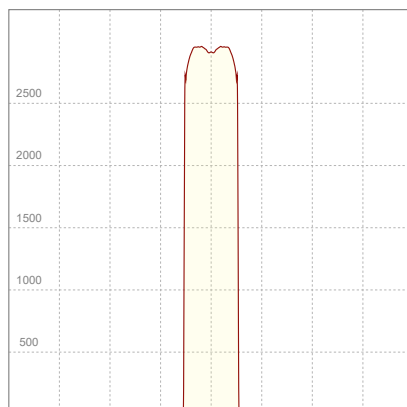
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 47,9°          | 48,9°           | 50,3°              | 98,9%                        | 98,7%                       |



### 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       | 2912lx | 728lx | 324lx | 182lx  | 116lx  | 52lx   | 29lx   | 13lx   | 7lx    | 5lx    | 3lx    | 2lx     | 1lx     |
| Footcand. | 271fcd | 68fcd | 30fcd | 17fcd  | 11fcd  | 5fcd   | 3fcd   | 1fcd   | 1fcd   | 0fcd   | 0fcd   | 0fcd    | 0fcd    |
| Beam wid. | 0,9m   | 1,8m  | 2,7m  | 3,6m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,8m  | 22,2m  | 26,6m  | 35,5m   | 44,4m   |
| Beam wid. | 2,9ft  | 5,9ft | 8,7ft | 11,6ft | 14,6ft | 21,8ft | 29,1ft | 43,7ft | 58,2ft | 72,8ft | 87,3ft | 116,5ft | 145,6ft |

### LINEAR DISTRIBUTION DIAGRAM

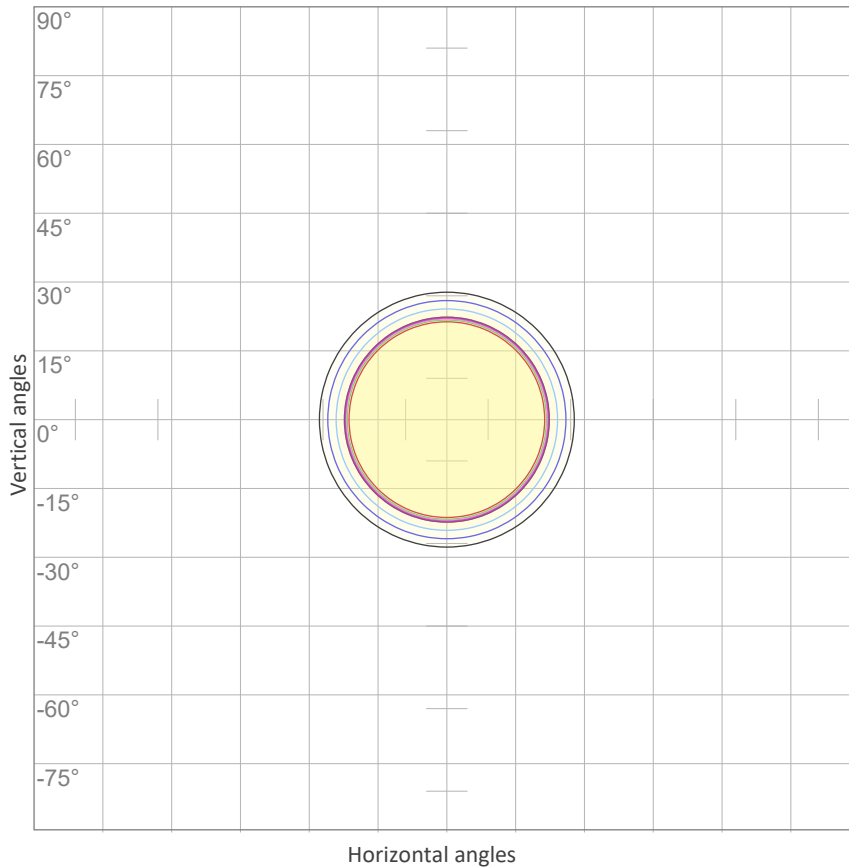


### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 229V          | 1,45A         | 299,5W      | 0,9      | 5lm/W      |



## ISO CANDELA DIAGRAM



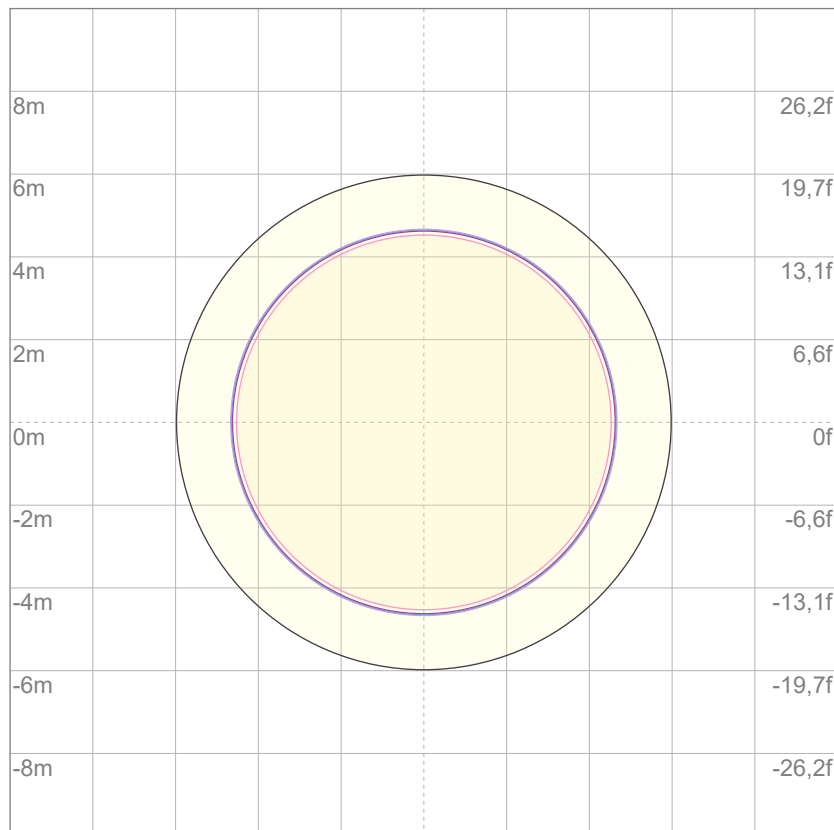
|     |         |
|-----|---------|
| 10% | 291 cd  |
| 20% | 582 cd  |
| 30% | 874 cd  |
| 40% | 1165 cd |
| 50% | 1456 cd |
| 60% | 1747 cd |
| 70% | 2038 cd |
| 80% | 2329 cd |
| 90% | 2621 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 2912 cd

## ISO LUX DIAGRAM



|     |          |
|-----|----------|
| 3%  | 0,874 lx |
| 5%  | 1,46 lx  |
| 10% | 2,91 lx  |
| 30% | 8,74 lx  |
| 50% | 14,6 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 29,1 lx

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



Total lumen output:

1620 lm

Peak candela output:

20788 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

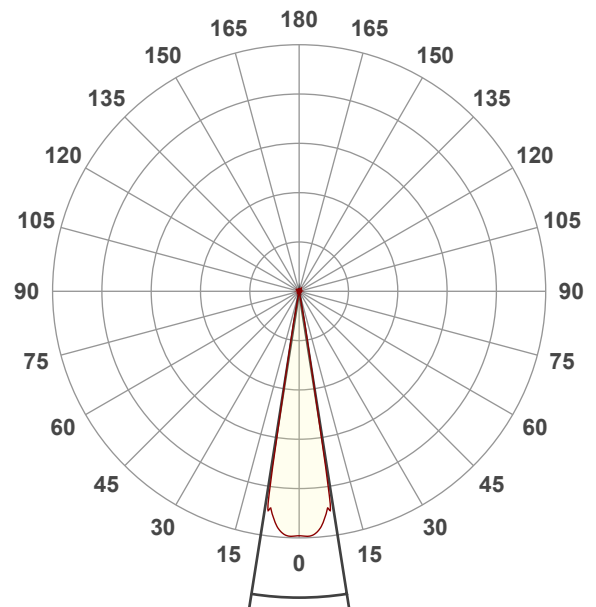
Cyan - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 12:08:49

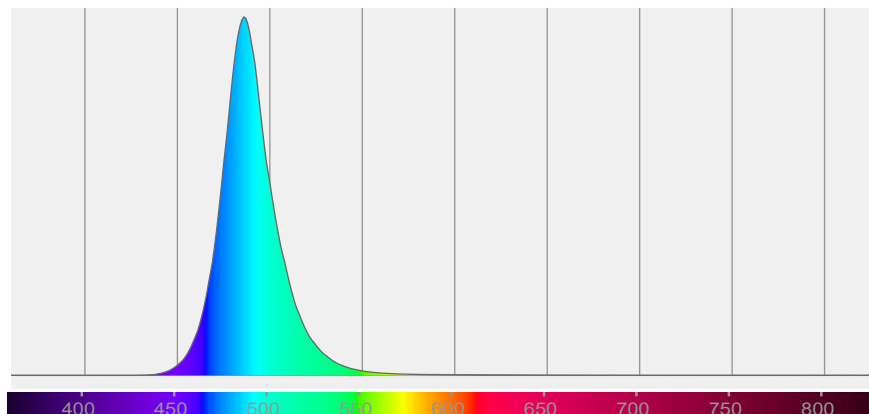


Beam angle 50%: 17,9°

Field angle 10%: 19,9°

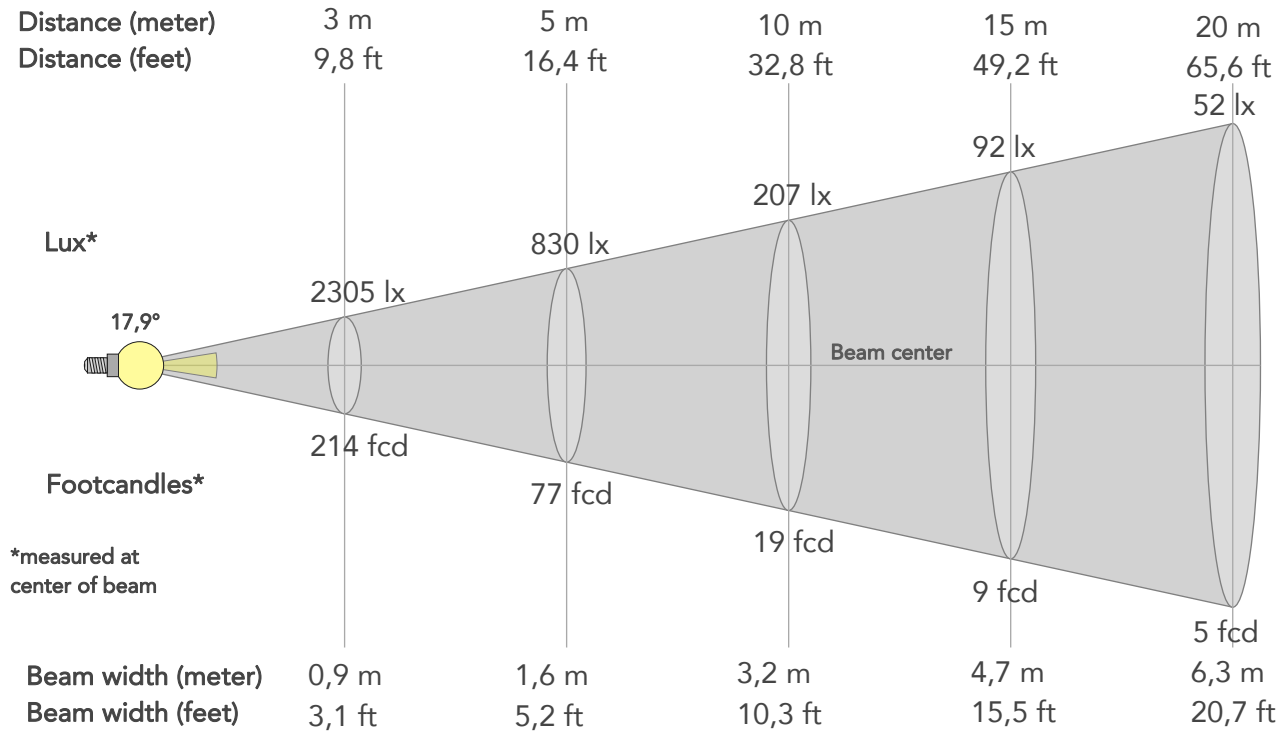
Cut off angle 2.5%: 20,7°

Spectra



## BEAM DETAILS

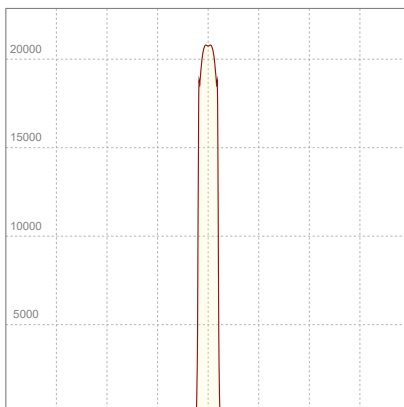
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 17,9°          | 19,9°           | 20,7°              | 97,8%                        | 96,9%                       |



### 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       | 20743lx | 5186lx | 2305lx | 1296lx | 830lx  | 369lx  | 207lx  | 92lx   | 52lx   | 33lx   | 23lx   | 13lx    | 8lx    |
| Footcand. | 1927fcd | 482fcd | 214fcd | 120fcd | 77fcd  | 34fcd  | 19fcd  | 9fcd   | 5fcd   | 3fcd   | 2fcd   | 1fcd    | 1fcd   |
| Beam wid. | 0,3m    | 0,6m   | 0,9m   | 1,3m   | 1,6m   | 2,4m   | 3,2m   | 4,7m   | 6,3m   | 7,9m   | 9,5m   | 12,6m   | 15,8m  |
| Beam wid. | 1ft     | 2,1ft  | 3,1ft  | 4,1ft  | 5,2ft  | 7,8ft  | 10,3ft | 15,5ft | 20,7ft | 25,9ft | 31ft   | 41,4ft  | 51,7ft |

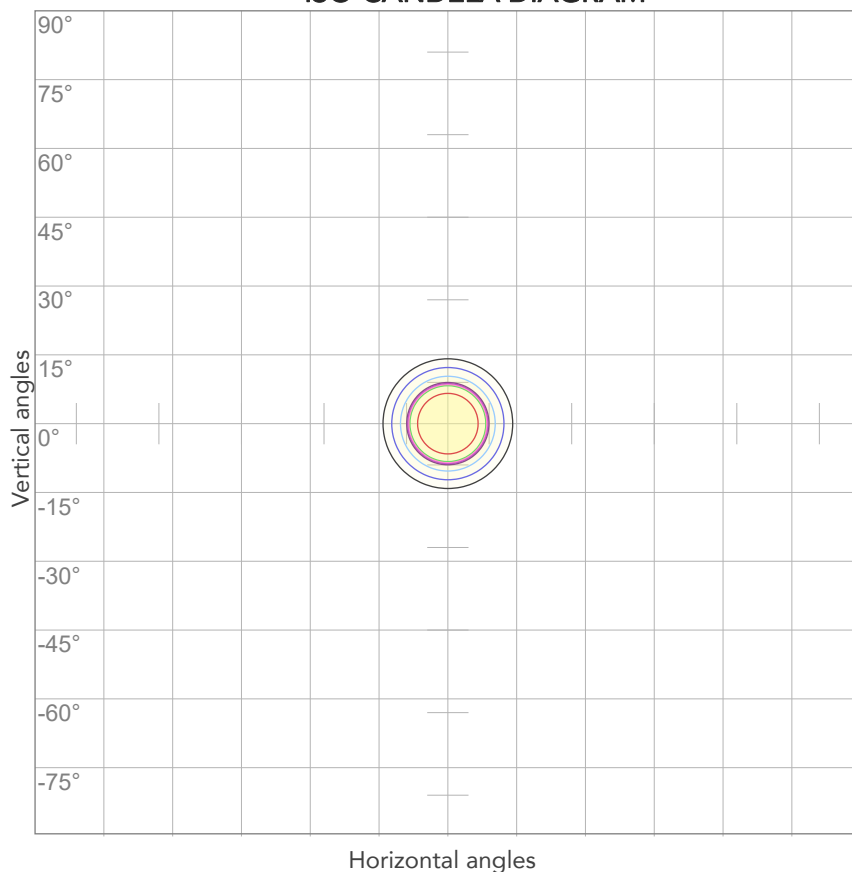
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 229V          | 1,45A         | 299,8W      | 0,9      | 5lm/W      |

## ISO CANDELA DIAGRAM



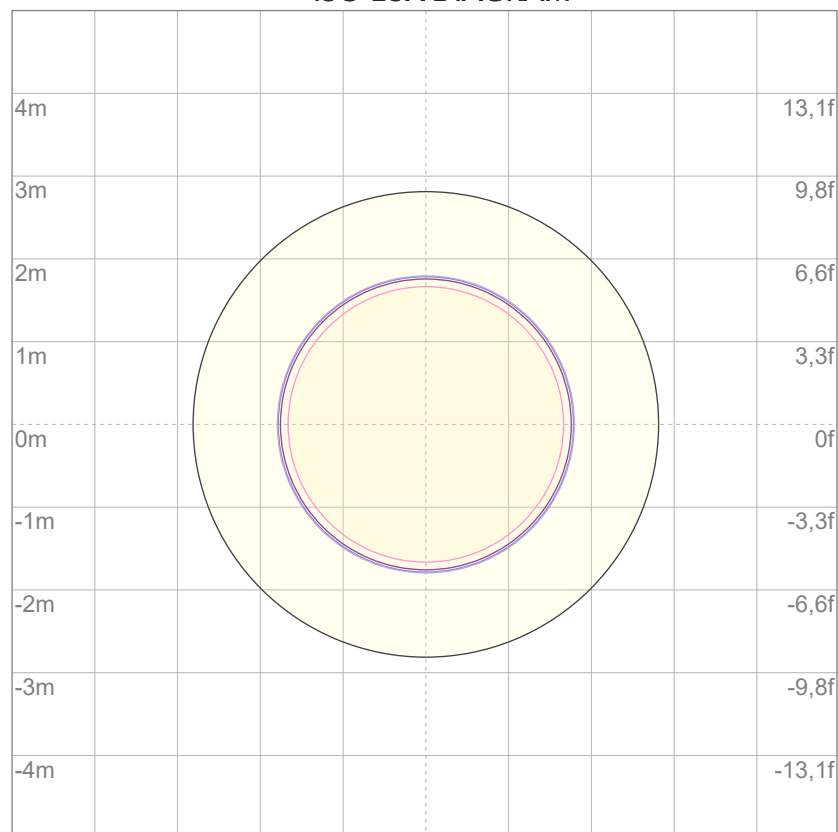
|     |          |
|-----|----------|
| 10% | 2074 cd  |
| 20% | 4149 cd  |
| 30% | 6223 cd  |
| 40% | 8297 cd  |
| 50% | 10372 cd |
| 60% | 12446 cd |
| 70% | 14520 cd |
| 80% | 16595 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 20743 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 6,22 lx |
| 5%  | 10,4 lx |
| 10% | 20,7 lx |
| 30% | 62,2 lx |
| 50% | 104 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 207 lx

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



Total lumen output:

1634 lm

Peak candela output:

120637 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

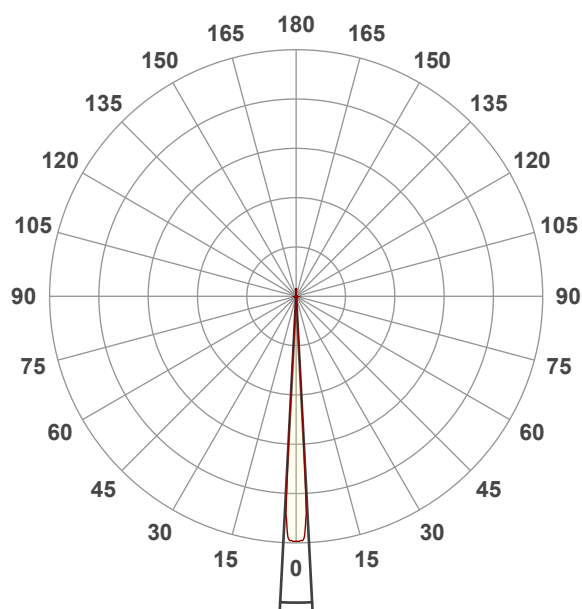
Cyan - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 11:49:14

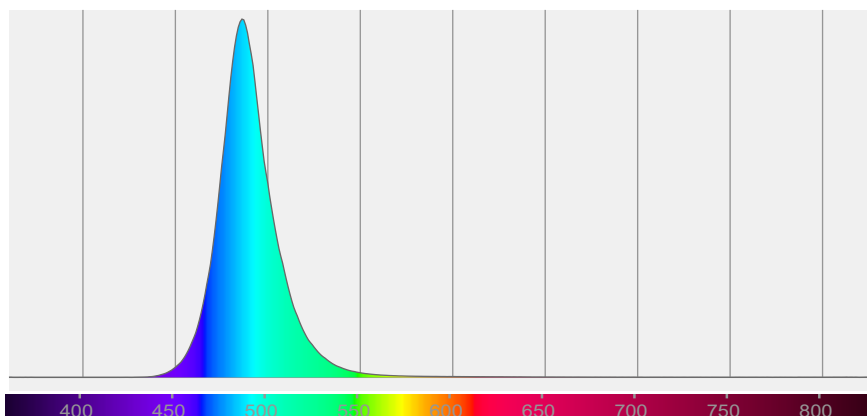


Beam angle 50%: 6°

Field angle 10%: 6,3°

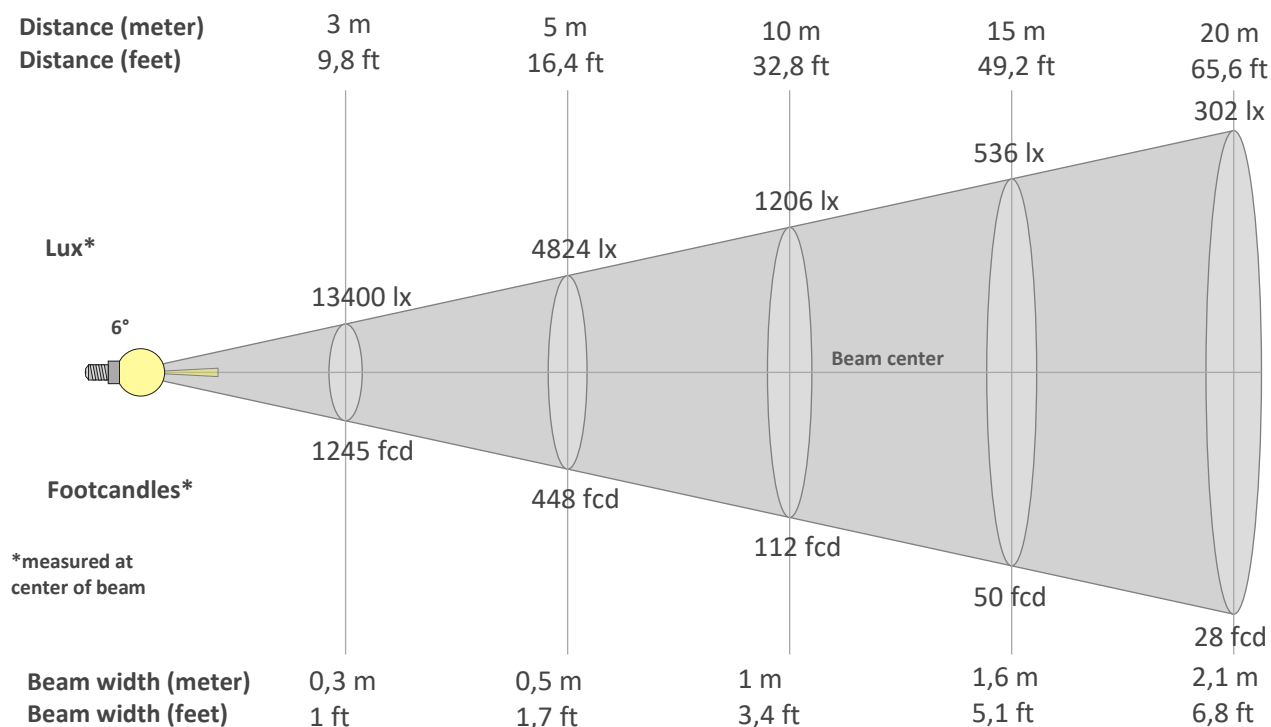
Cut off angle 2.5%: 6,4°

**Spectra**



## BEAM DETAILS

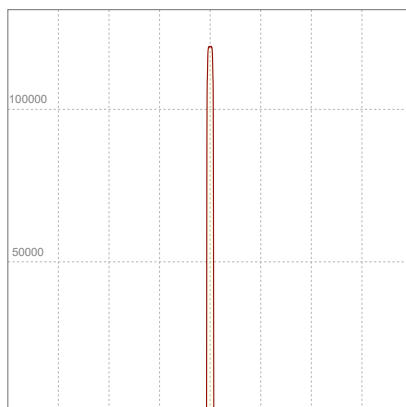
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 6°             | 6,3°            | 6,4°               | 80,2%                        | 72,0%                       |



### 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       | 120603lx | 30151lx | 13400lx | 7538lx | 4824lx | 2144lx | 1206lx | 536lx  | 302lx  | 193lx | 134lx  | 75lx    | 48lx   |
| Footcand. | 11204fcd | 2801fcd | 1245fcd | 700fcd | 448fcd | 199fcd | 112fcd | 50fcd  | 28fcd  | 18fcd | 12fcd  | 7fcd    | 4fcd   |
| Beam wid. | 0,1m     | 0,2m    | 0,3m    | 0,4m   | 0,5m   | 0,8m   | 1m     | 1,6m   | 2,1m   | 2,6m  | 3,1m   | 4,2m    | 5,2m   |
| Beam wid. | 0,3ft    | 0,7ft   | 1ft     | 1,4ft  | 1,7ft  | 2,6ft  | 3,4ft  | 5,1ft  | 6,8ft  | 8,5ft | 10,3ft | 13,7ft  | 17,1ft |

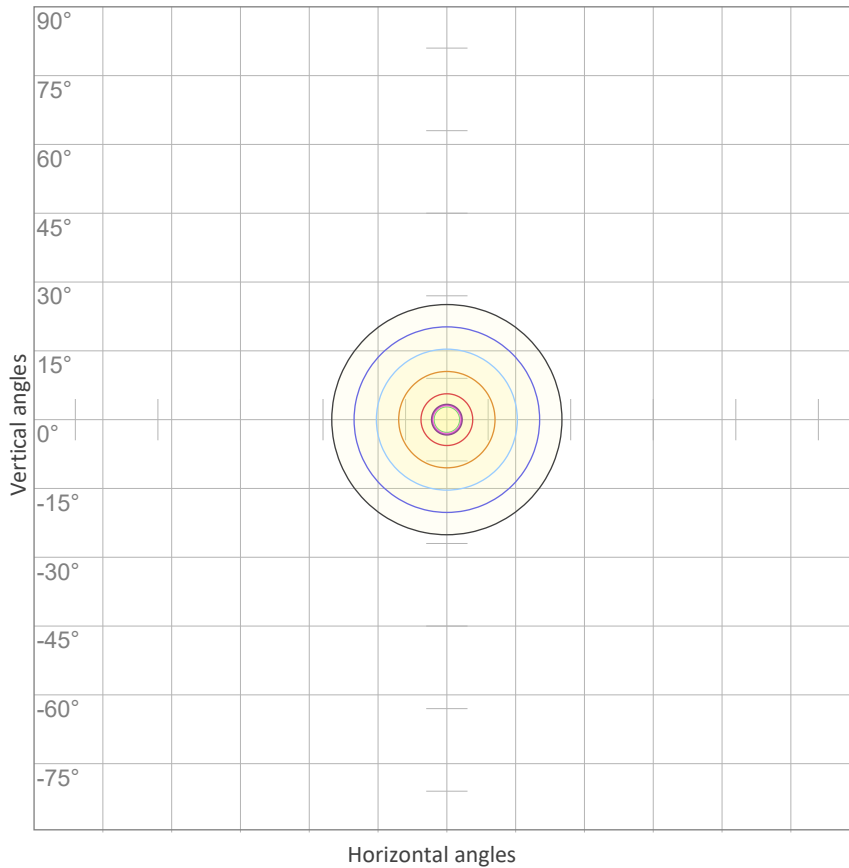
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,46A         | 300,4W      | 0,9      | 5lm/W      |

## ISO CANDELA DIAGRAM



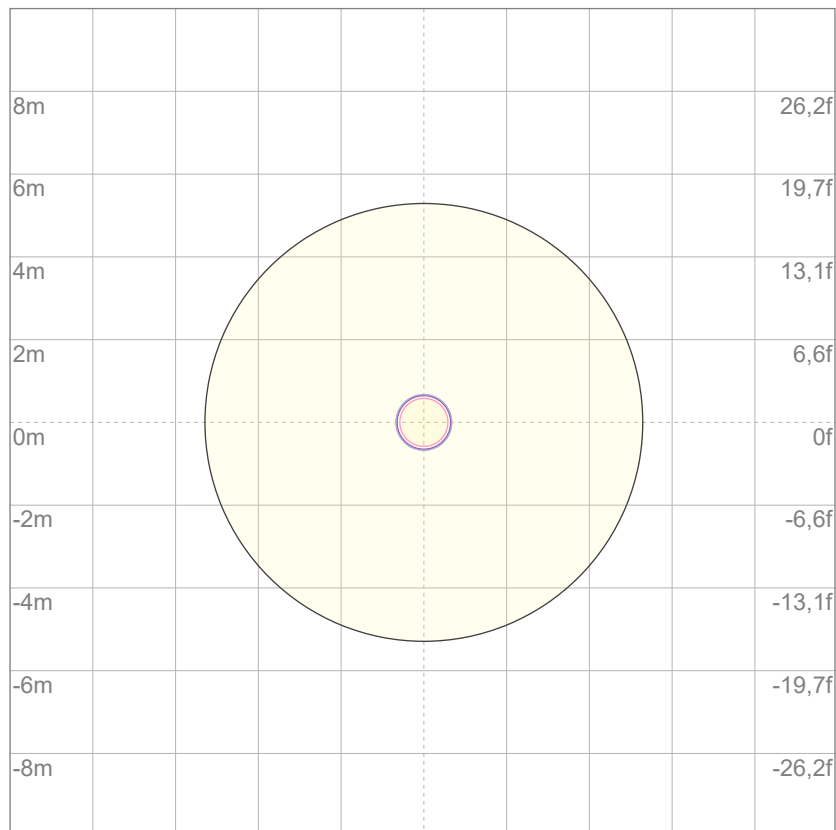
|     |           |
|-----|-----------|
| 10% | 12060 cd  |
| 20% | 24121 cd  |
| 30% | 36181 cd  |
| 40% | 48241 cd  |
| 50% | 60301 cd  |
| 60% | 72362 cd  |
| 70% | 84422 cd  |
| 80% | 96482 cd  |
| 90% | 108543 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 120603 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 36,2 lx |
| 5%  | 60,3 lx |
| 10% | 121 lx  |
| 30% | 362 lx  |
| 50% | 603 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 1206 lx

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



Total lumen output:

3909 lm

Peak candela output:

7510 cd

## PRODUCT NAME:

MUSEP70CTP

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

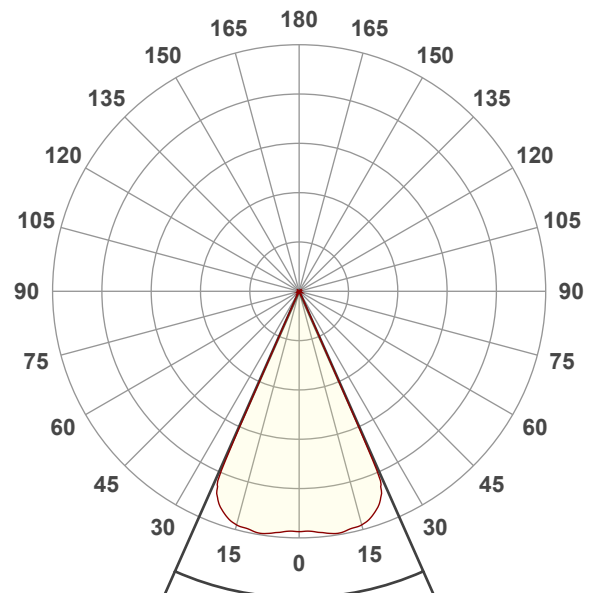
Amber - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 12:50:48

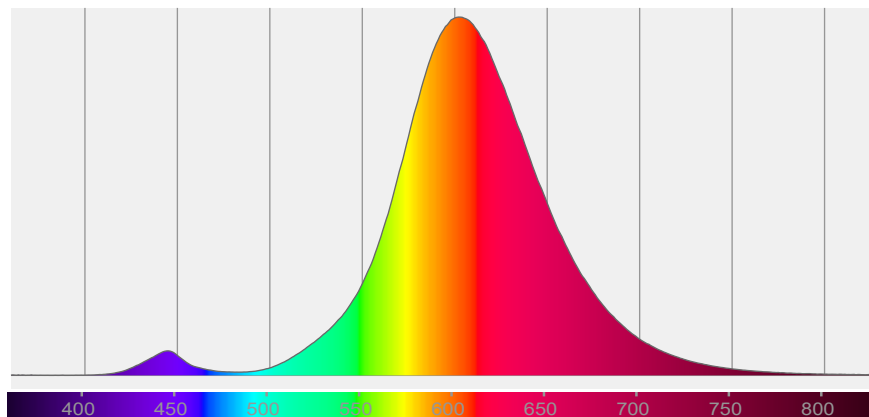


Beam angle 50%: 47,8°

Field angle 10%: 49°

Cut off angle 2.5%: 50,4°

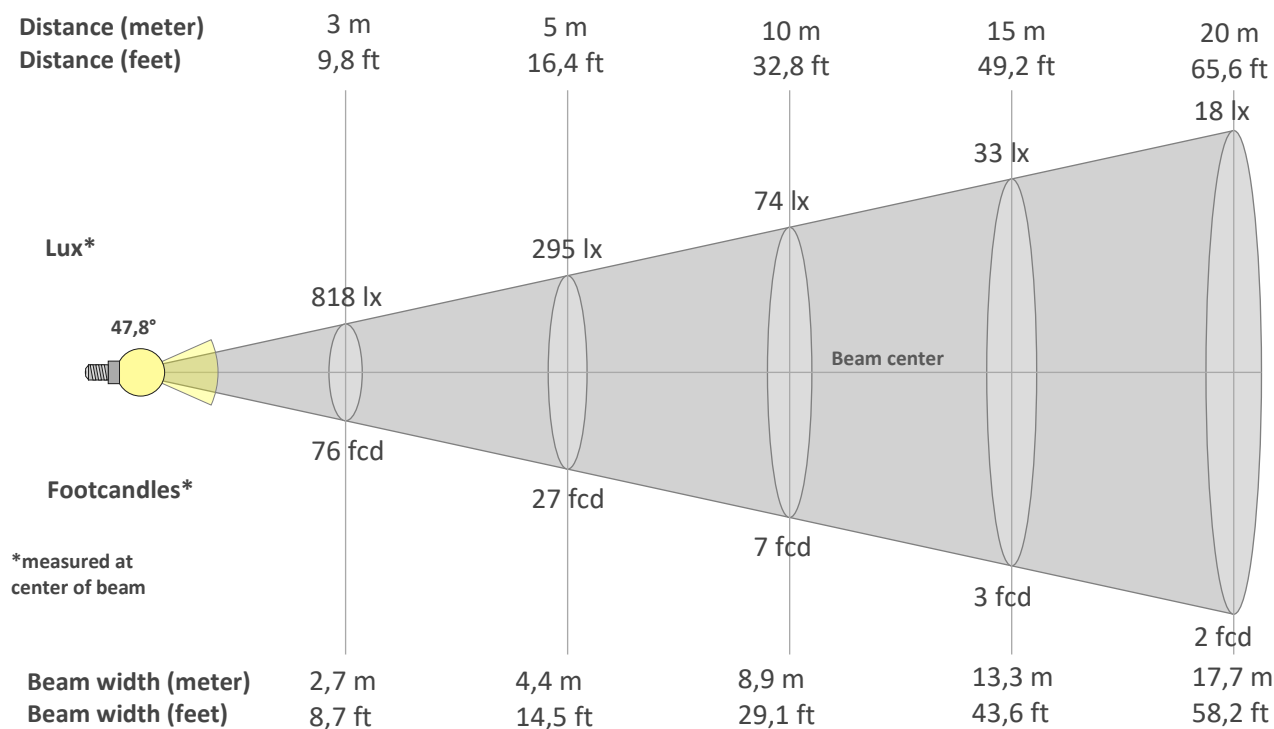
## Spectra





## BEAM DETAILS

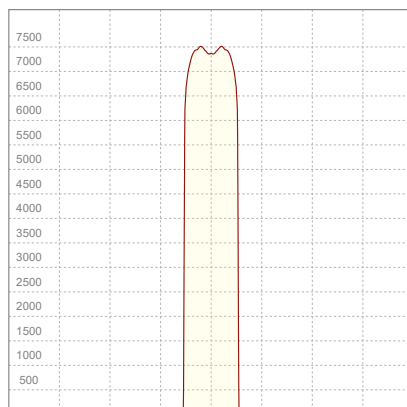
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 47,8°          | 49°             | 50,4°              | 99,8%                        | 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       | 7364lx | 1841lx | 818lx | 460lx  | 295lx  | 131lx  | 74lx   | 33lx   | 18lx   | 12lx   | 8lx    | 5lx     | 3lx     |
| Footcand. | 684fcd | 171fcd | 76fcd | 43fcd  | 27fcd  | 12fcd  | 7fcd   | 3fcd   | 2fcd   | 1fcd   | 1fcd   | 0fcd    | 0fcd    |
| Beam wid. | 0,9m   | 1,8m   | 2,7m  | 3,5m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,7m  | 22,2m  | 26,6m  | 35,5m   | 44,3m   |
| Beam wid. | 2,9ft  | 5,9ft  | 8,7ft | 11,6ft | 14,5ft | 21,8ft | 29,1ft | 43,6ft | 58,2ft | 72,7ft | 87,3ft | 116,4ft | 145,4ft |

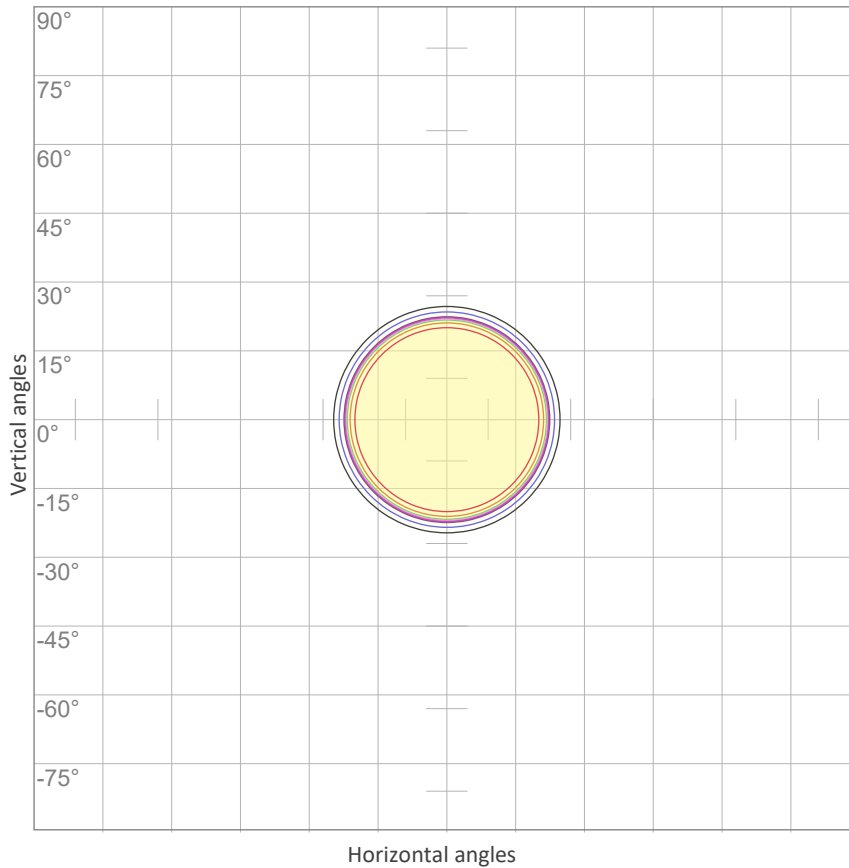
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 229V          | 1,59A         | 332,6W      | 0,91     | 12lm/W     |

## ISO CANDELA DIAGRAM



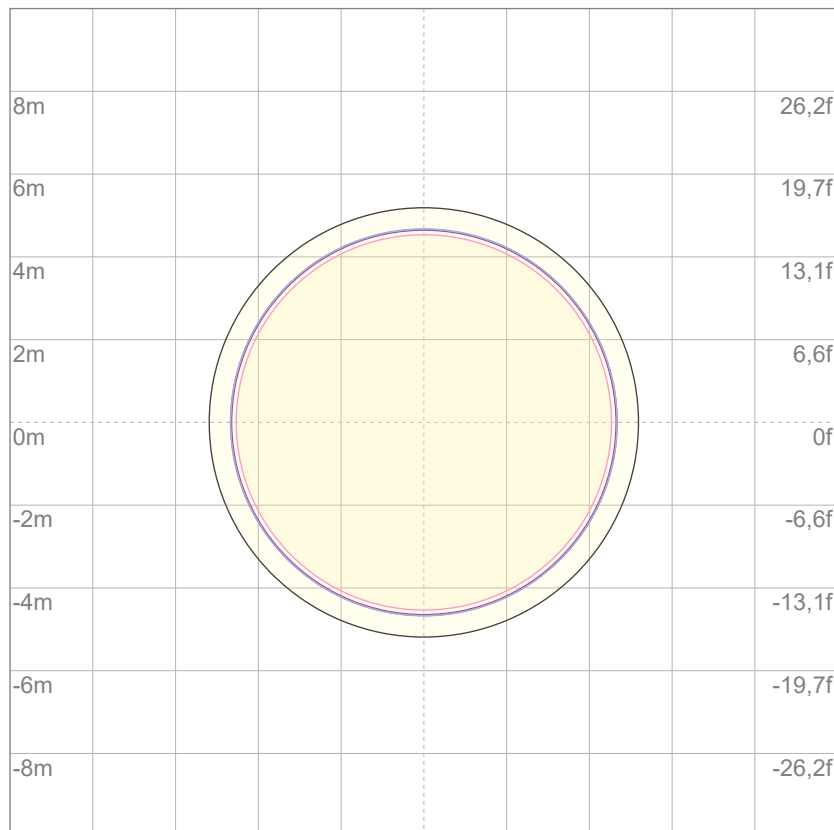
|     |         |
|-----|---------|
| 10% | 736 cd  |
| 20% | 1473 cd |
| 30% | 2209 cd |
| 40% | 2946 cd |
| 50% | 3682 cd |
| 60% | 4419 cd |
| 70% | 5155 cd |
| 80% | 5892 cd |
| 90% | 6628 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 7364 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 2,21 lx |
| 5%  | 3,68 lx |
| 10% | 7,36 lx |
| 30% | 22,1 lx |
| 50% | 36,8 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 73,6 lx

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



Total lumen output:

3929 lm

Peak candela output:

52535 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

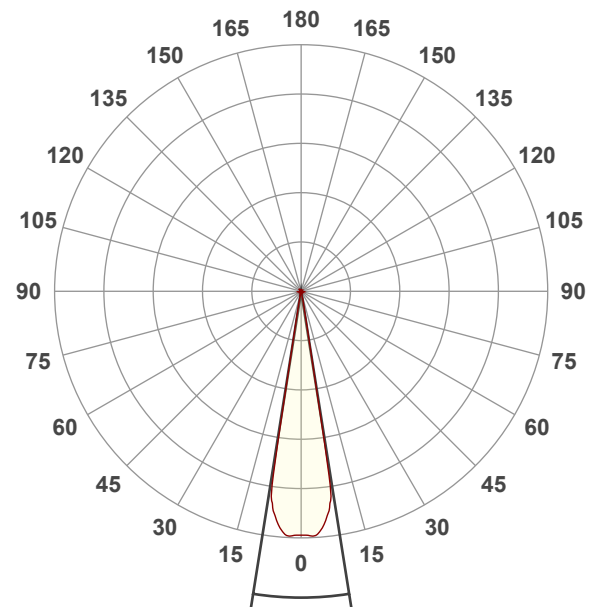
Amber - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 12:03:53

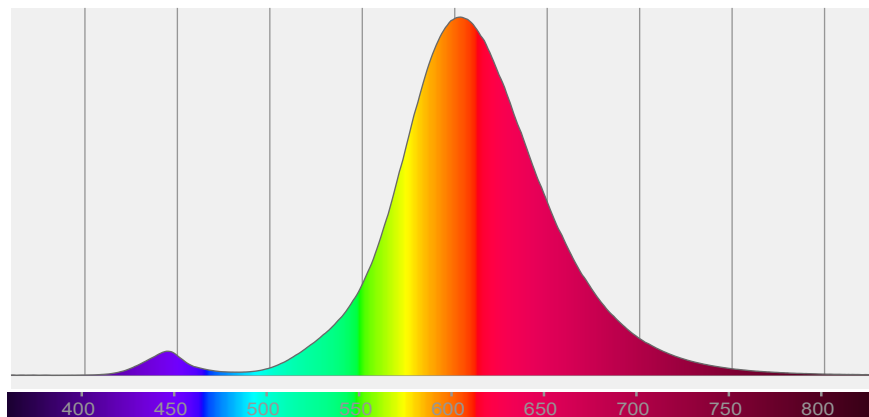


Beam angle 50%: 18°

Field angle 10%: 19,5°

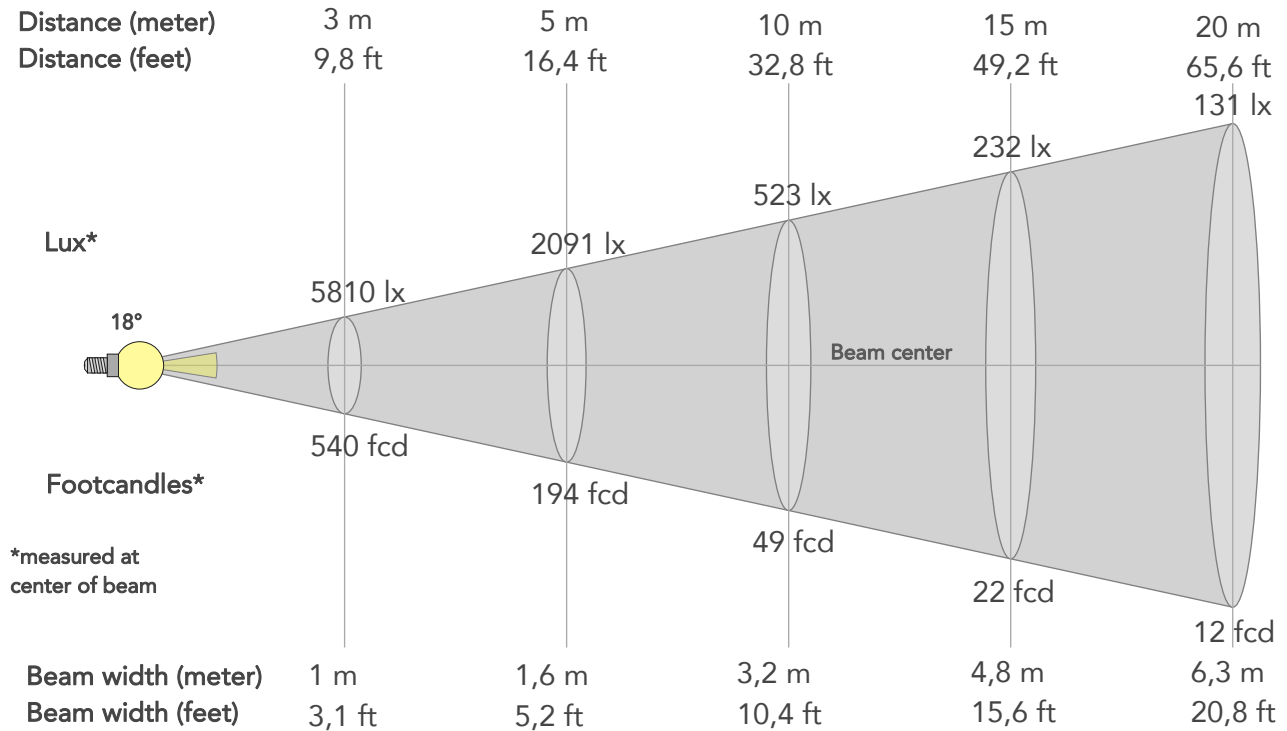
Cut off angle 2.5%: 20,8°

**Spectra**



## BEAM DETAILS

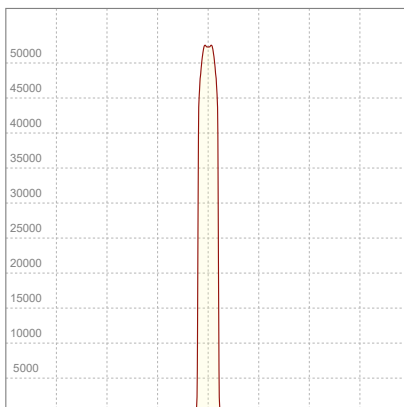
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18°            | 19,5°           | 20,8°              | 99,5%                        | 99,4%                       |



### 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       | 52286lx | 13072lx | 5810lx | 3268lx | 2091lx | 930lx  | 523lx  | 232lx  | 131lx  | 84lx | 58lx   | 33lx    | 21lx  |
| Footcand. | 4858fcd | 1214fcd | 540fcd | 304fcd | 194fcd | 86fcd  | 49fcd  | 22fcd  | 12fcd  | 8fcd | 5fcd   | 3fcd    | 2fcd  |
| Beam wid. | 0,3m    | 0,6m    | 1m     | 1,3m   | 1,6m   | 2,4m   | 3,2m   | 4,8m   | 6,3m   | 7,9m | 9,5m   | 12,7m   | 15,9m |
| Beam wid. | 1ft     | 2,1ft   | 3,1ft  | 4,2ft  | 5,2ft  | 7,8ft  | 10,4ft | 15,6ft | 20,8ft | 26ft | 31,2ft | 41,6ft  | 52ft  |

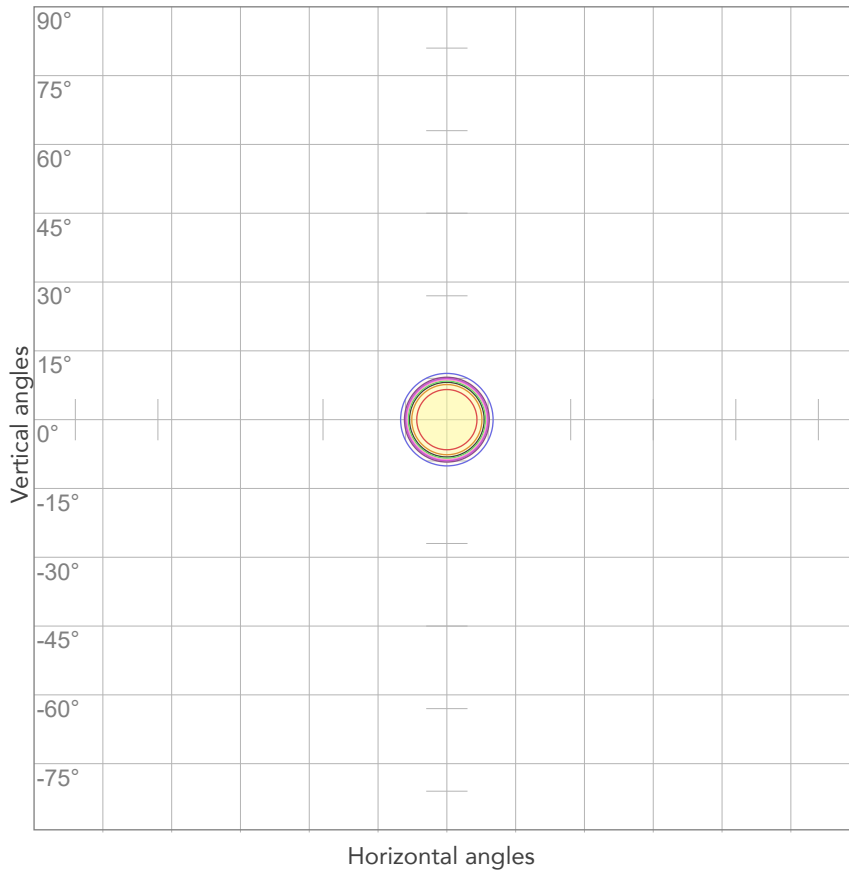
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 229V          | 1,59A         | 332,7W      | 0,91     | 12lm/W     |

## ISO CANDELA DIAGRAM



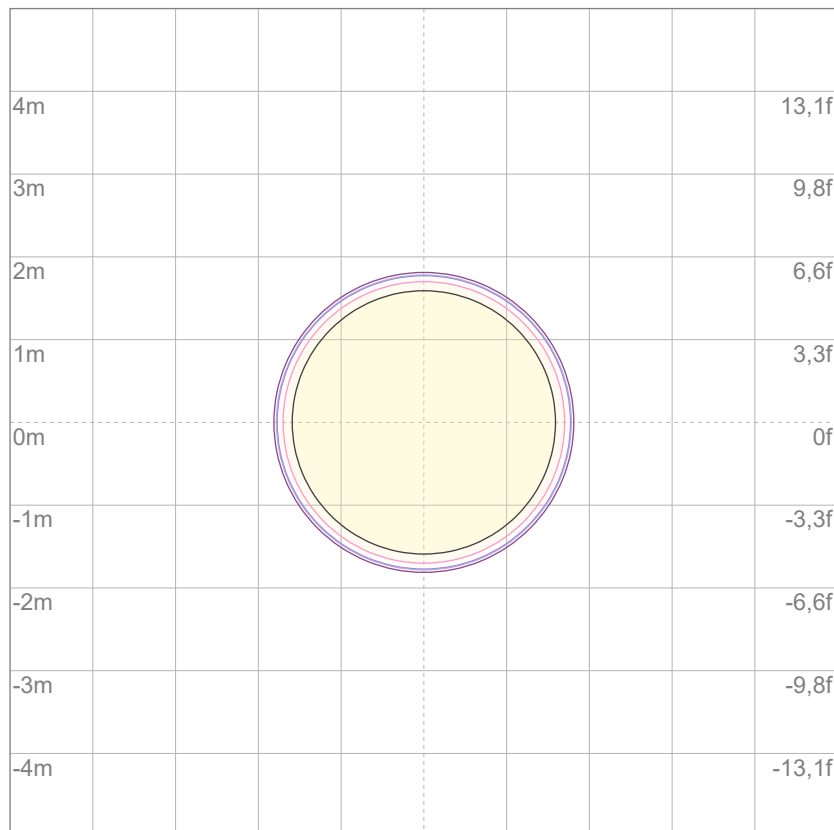
|     |          |
|-----|----------|
| 10% | 5229 cd  |
| 20% | 10457 cd |
| 30% | 15686 cd |
| 40% | 20915 cd |
| 50% | 26143 cd |
| 60% | 31372 cd |
| 70% | 36601 cd |
| 80% | 41829 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 52286 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 15,7 lx |
| 5%  | 26,1 lx |
| 10% | 52,3 lx |
| 30% | 157 lx  |
| 50% | 261 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 523 lx

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



Total lumen output:

2494 lm

Peak candela output:

312532 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

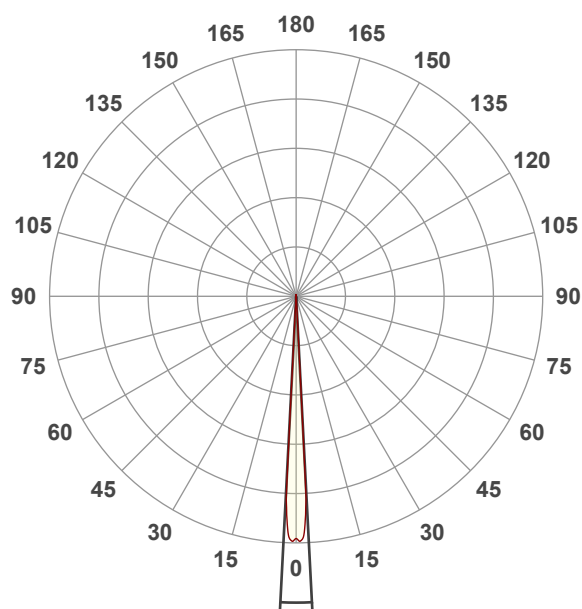
Amber - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 11:54:03

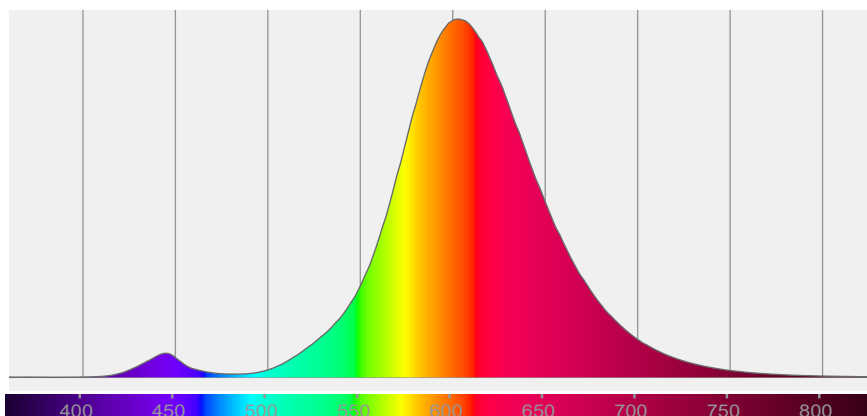


Beam angle 50%: 5,9°

Field angle 10%: 6,3°

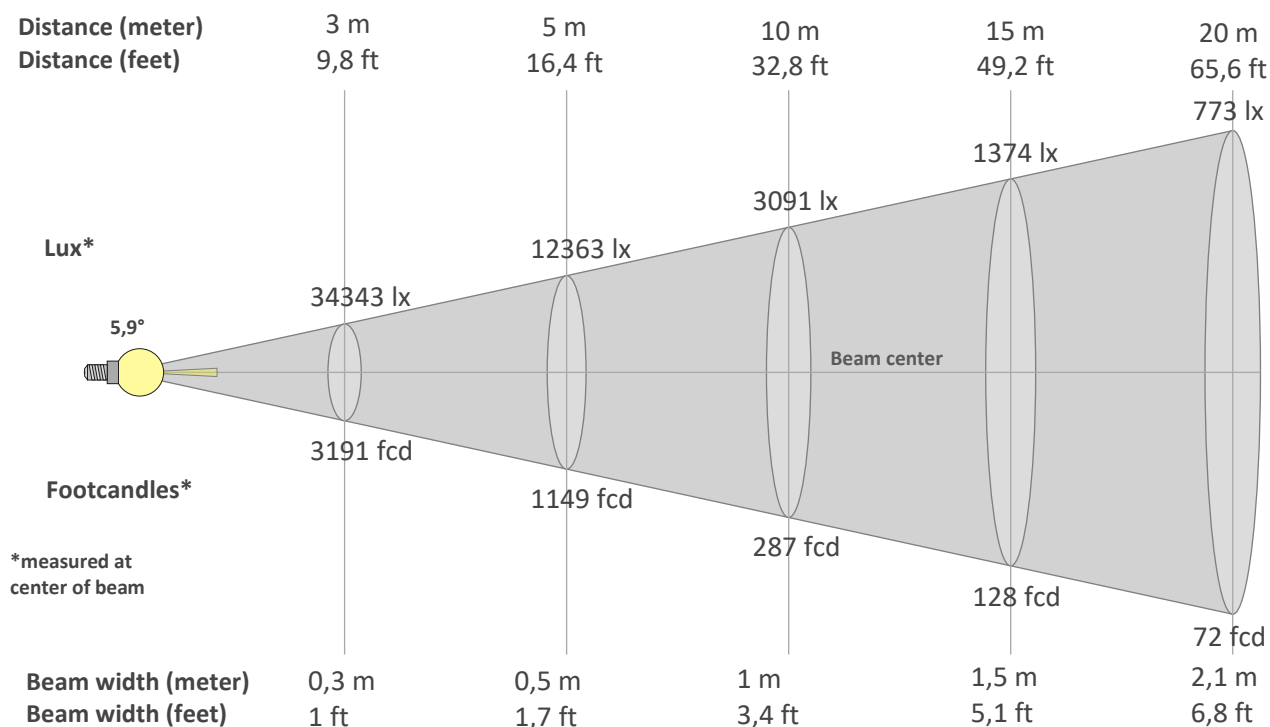
Cut off angle 2.5%: 6,6°

**Spectra**



## BEAM DETAILS

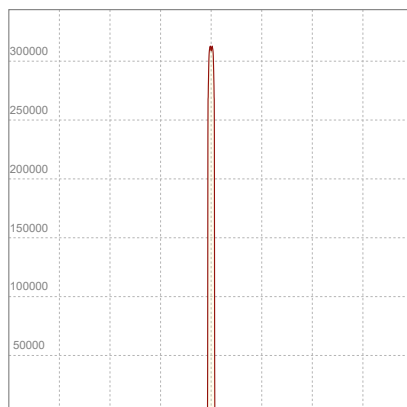
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,3°            | 6,6°               | 100,0%                       | 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  |
| <b>Lux</b>       | 309085lx | 77271lx | 34343lx | 19318lx | 12363lx | 5495lx | 3091lx | 1374lx | 773lx  | 495lx | 343lx  | 193lx   | 124lx  |
| <b>Footcand.</b> | 28715fcd | 7179fcd | 3191fcd | 1795fcd | 1149fcd | 510fcd | 287fcd | 128fcd | 72fcd  | 46fcd | 32fcd  | 18fcd   | 11fcd  |
| <b>Beam wid.</b> | 0,1m     | 0,2m    | 0,3m    | 0,4m    | 0,5m    | 0,8m   | 1m     | 1,5m   | 2,1m   | 2,6m  | 3,1m   | 4,1m    | 5,2m   |
| <b>Beam wid.</b> | 0,3ft    | 0,7ft   | 1ft     | 1,4ft   | 1,7ft   | 2,5ft  | 3,4ft  | 5,1ft  | 6,8ft  | 8,5ft | 10,2ft | 13,5ft  | 16,9ft |

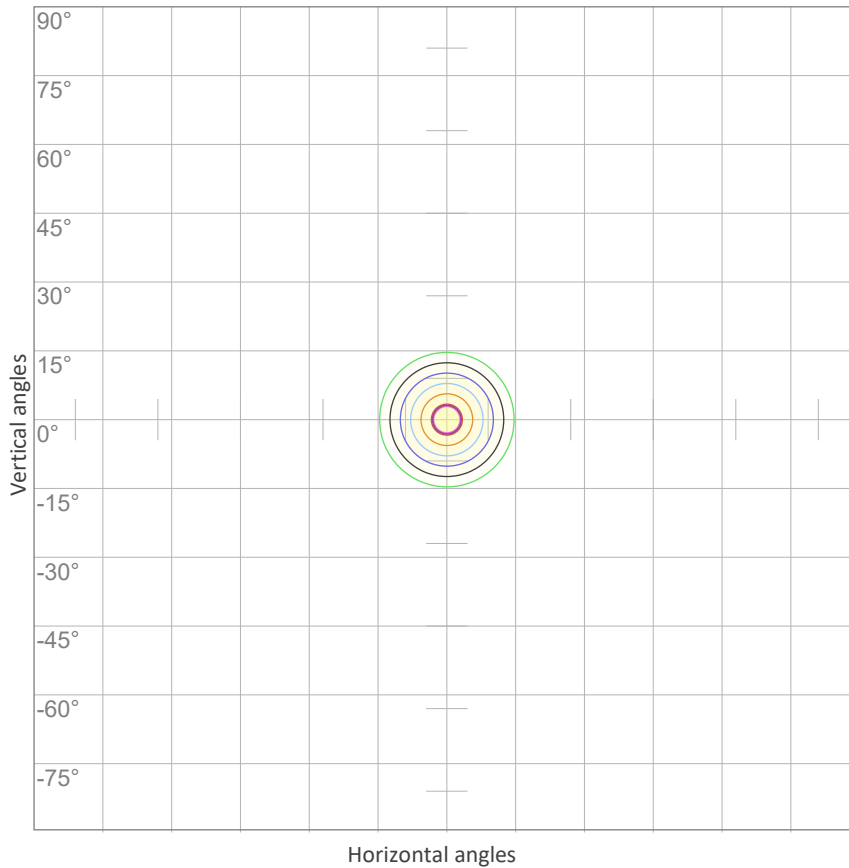
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 1,60A         | 333,5W      | 0,92     | 7lm/W      |

## ISO CANDELA DIAGRAM



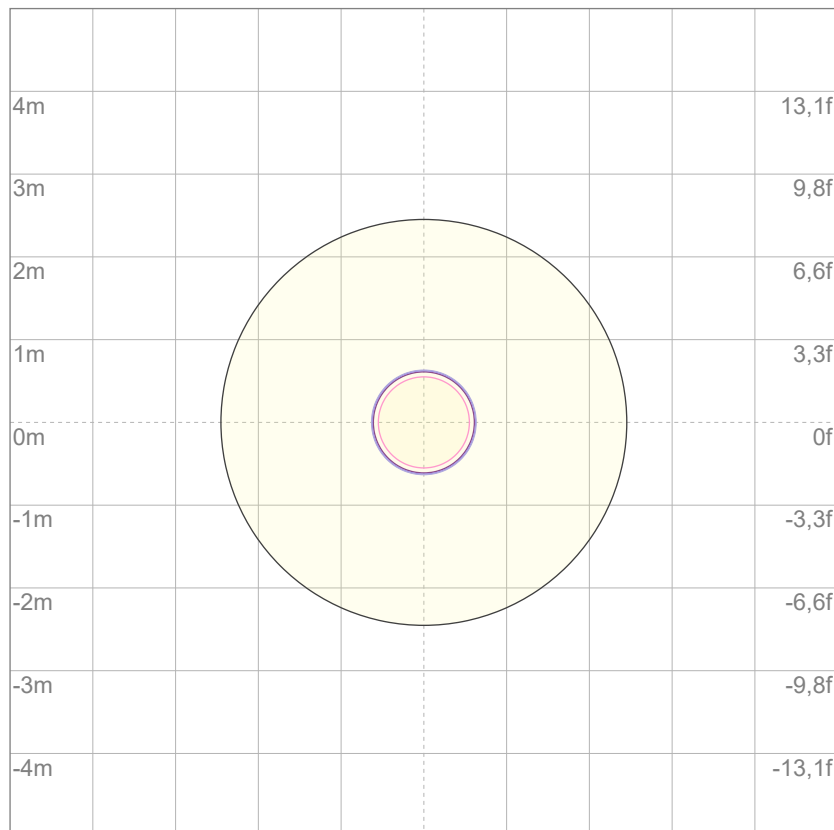
|     |           |
|-----|-----------|
| 10% | 30908 cd  |
| 20% | 61817 cd  |
| 30% | 92725 cd  |
| 40% | 123634 cd |
| 50% | 154542 cd |
| 60% | 185451 cd |
| 70% | 216359 cd |
| 80% | 247268 cd |
| 90% | 278176 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 309085 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 92,7 lx |
| 5%  | 155 lx  |
| 10% | 309 lx  |
| 30% | 927 lx  |
| 50% | 1545 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 3091 lx

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





Total lumen output:

13446 lm

Peak candela output:

25243 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

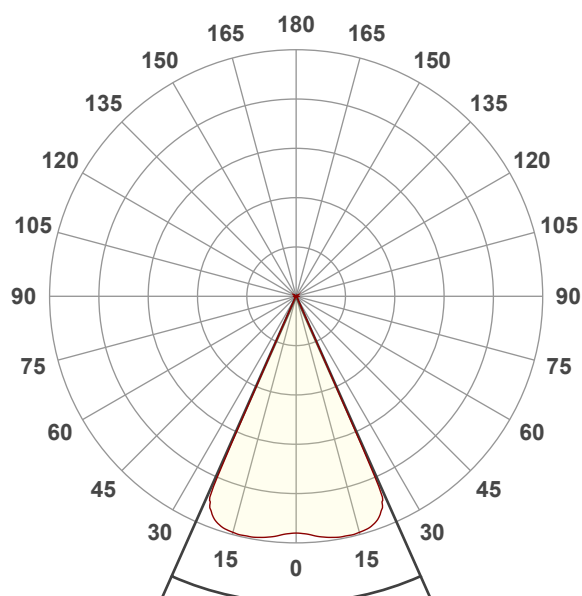
Lime - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 12:52:45

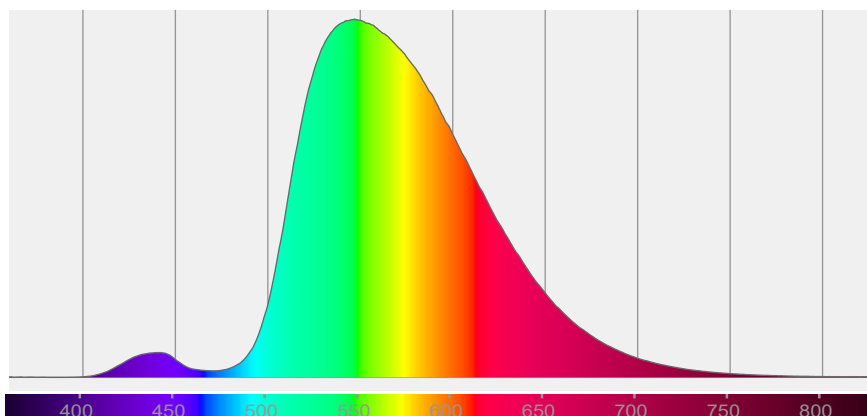


Beam angle 50%: 48°

Field angle 10%: 49,1°

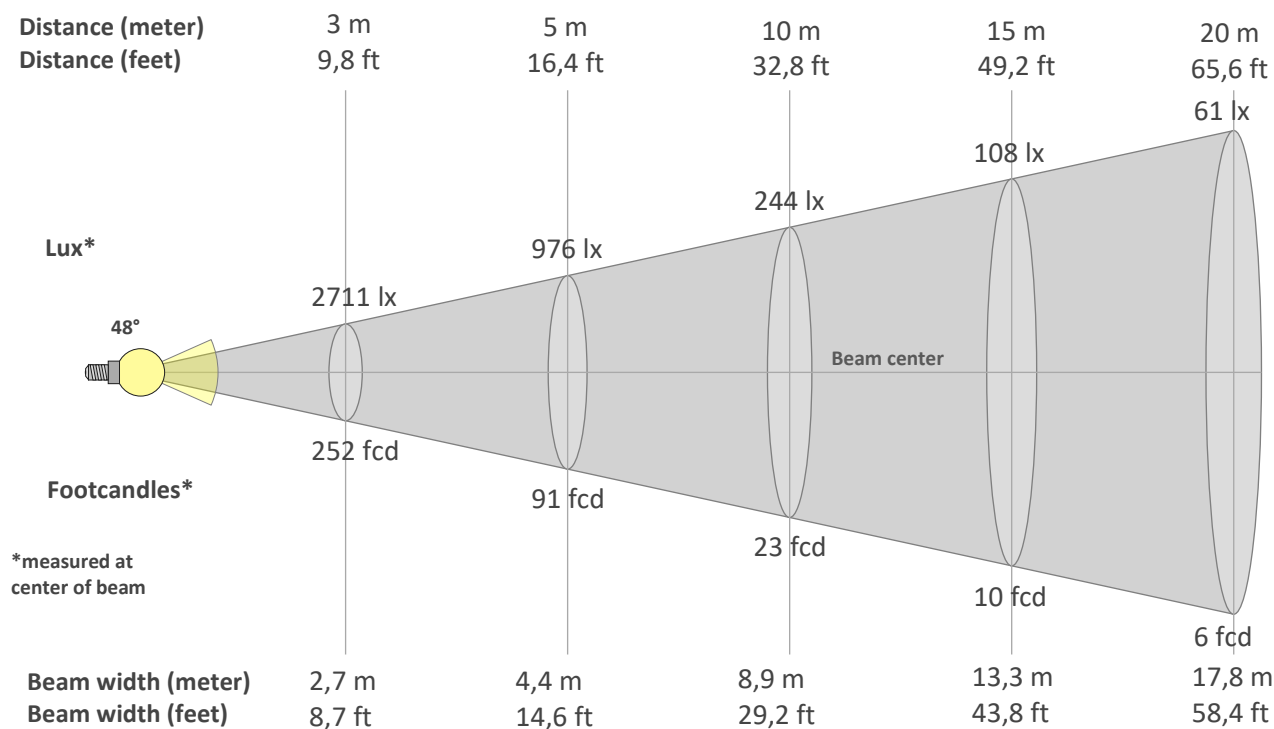
Cut off angle 2.5%: 50,5°

Spectra



## BEAM DETAILS

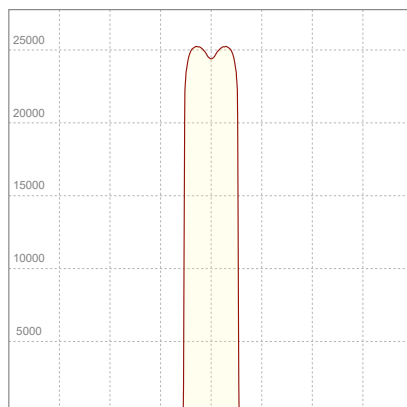
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 48°            | 49,1°           | 50,5°              | 99,7%                        | 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       | 24398lx | 6099lx | 2711lx | 1525lx | 976lx  | 434lx  | 244lx  | 108lx  | 61lx   | 39lx  | 27lx   | 15lx    | 10lx    |
| Footcand. | 2267fcd | 567fcd | 252fcd | 142fcd | 91fcd  | 40fcd  | 23fcd  | 10fcd  | 6fcd   | 4fcd  | 3fcd   | 1fcd    | 1fcd    |
| Beam wid. | 0,9m    | 1,8m   | 2,7m   | 3,6m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,8m  | 22,2m | 26,7m  | 35,6m   | 44,5m   |
| Beam wid. | 2,9ft   | 5,9ft  | 8,7ft  | 11,7ft | 14,6ft | 21,9ft | 29,2ft | 43,8ft | 58,4ft | 73ft  | 87,5ft | 116,7ft | 145,9ft |

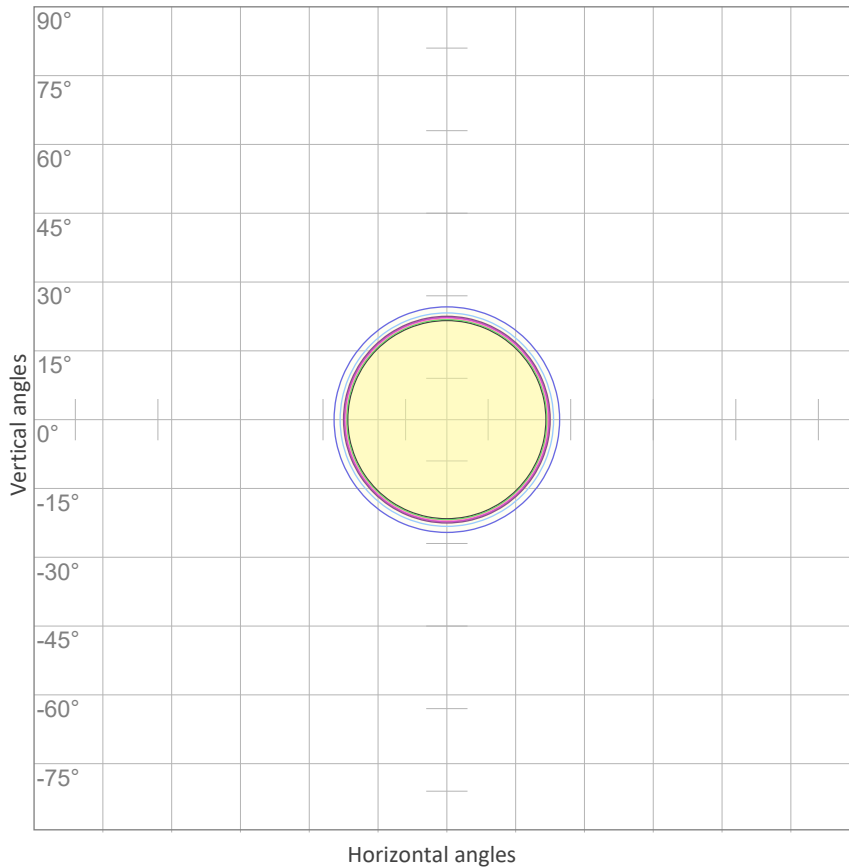
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 228V          | 2,36A         | 516,7W      | 0,96     | 26lm/W     |

## ISO CANDELA DIAGRAM



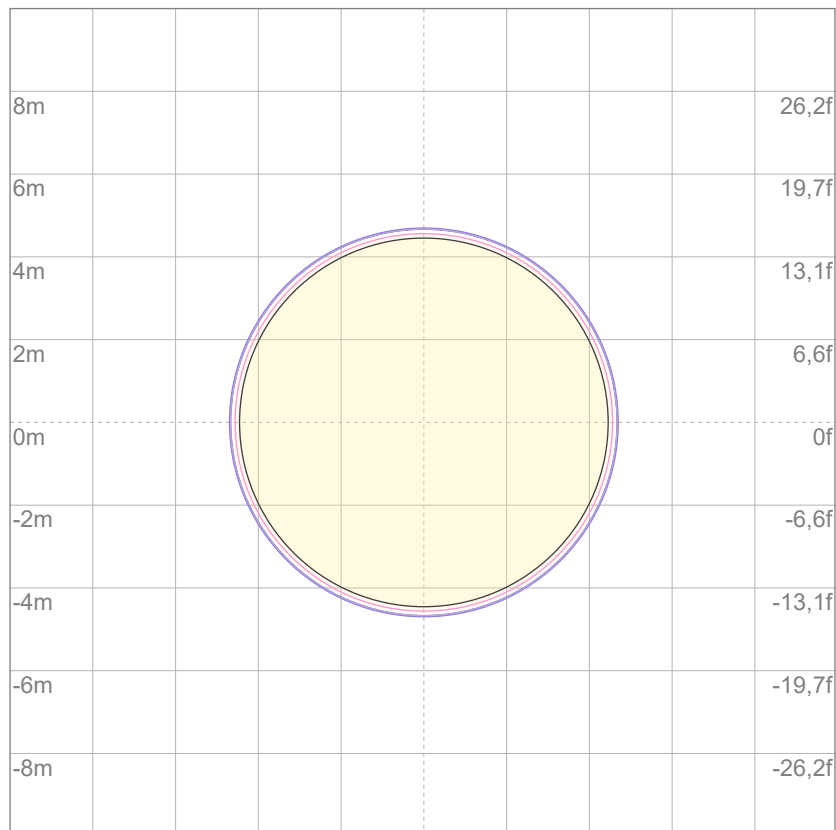
|     |          |
|-----|----------|
| 10% | 2440 cd  |
| 20% | 4880 cd  |
| 30% | 7319 cd  |
| 40% | 9759 cd  |
| 50% | 12199 cd |
| 60% | 14639 cd |
| 70% | 17078 cd |
| 80% | 19518 cd |
| 90% | 21958 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 24398 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 7,32 lx |
| 5%  | 12,2 lx |
| 10% | 24,4 lx |
| 30% | 73,2 lx |
| 50% | 122 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 244 lx

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



Total lumen output:

13487 lm

Peak candela output:

177318 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

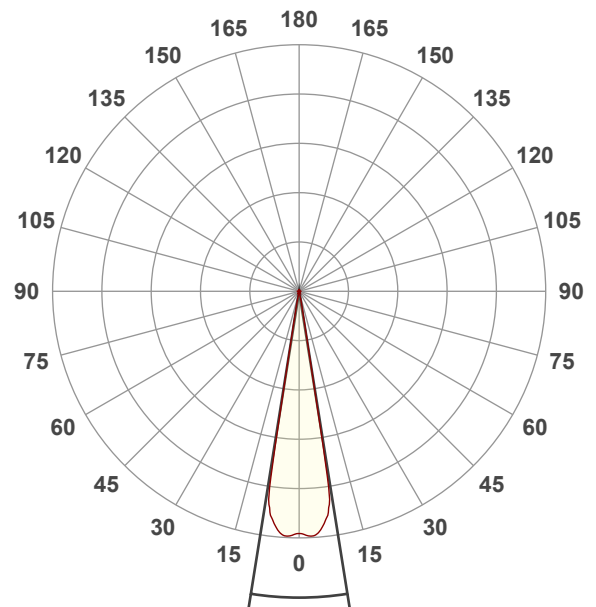
Lime - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 12:00:38

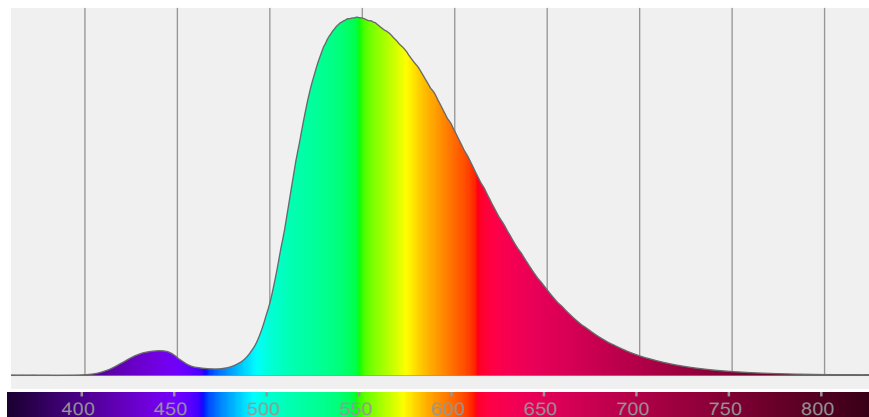


Beam angle 50%: 18,1°

Field angle 10%: 19,7°

Cut off angle 2.5%: 20,9°

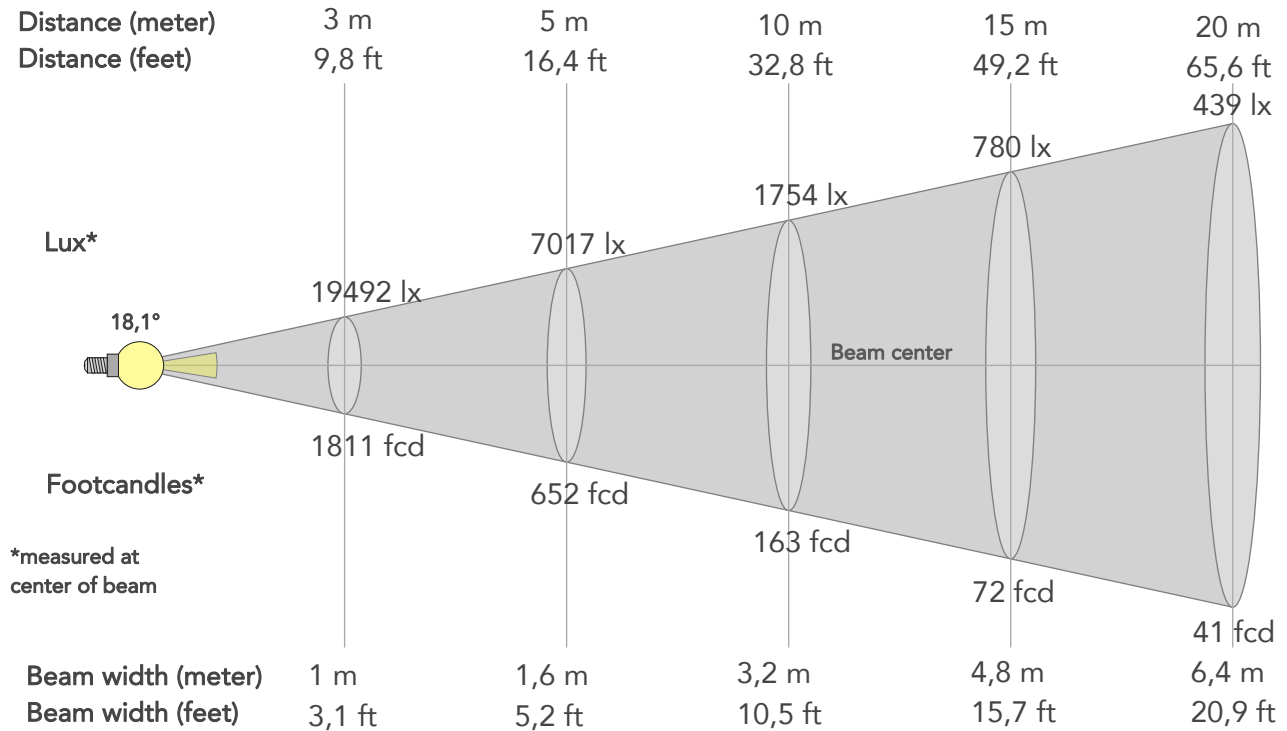
Spectra



## BEAM DETAILS



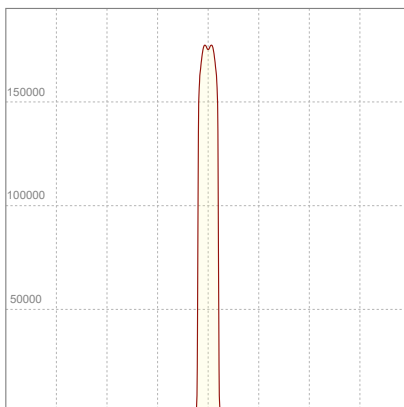
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18,1°          | 19,7°           | 20,9°              | 99,7%                        | 99,6%                       |



### 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       | 175424lx | 43856lx | 19492lx | 10964lx | 7017lx | 3119lx | 1754lx | 780lx  | 439lx  | 281lx  | 195lx  | 110lx   | 70lx   |
| Footcand. | 16297fcd | 4074fcd | 1811fcd | 1019fcd | 652fcd | 290fcd | 163fcd | 72fcd  | 41fcd  | 26fcd  | 18fcd  | 10fcd   | 7fcd   |
| Beam wid. | 0,3m     | 0,6m    | 1m      | 1,3m    | 1,6m   | 2,4m   | 3,2m   | 4,8m   | 6,4m   | 8m     | 9,6m   | 12,8m   | 16m    |
| Beam wid. | 1,1ft    | 2,1ft   | 3,1ft   | 4,2ft   | 5,2ft  | 7,8ft  | 10,5ft | 15,7ft | 20,9ft | 26,2ft | 31,4ft | 41,9ft  | 52,3ft |

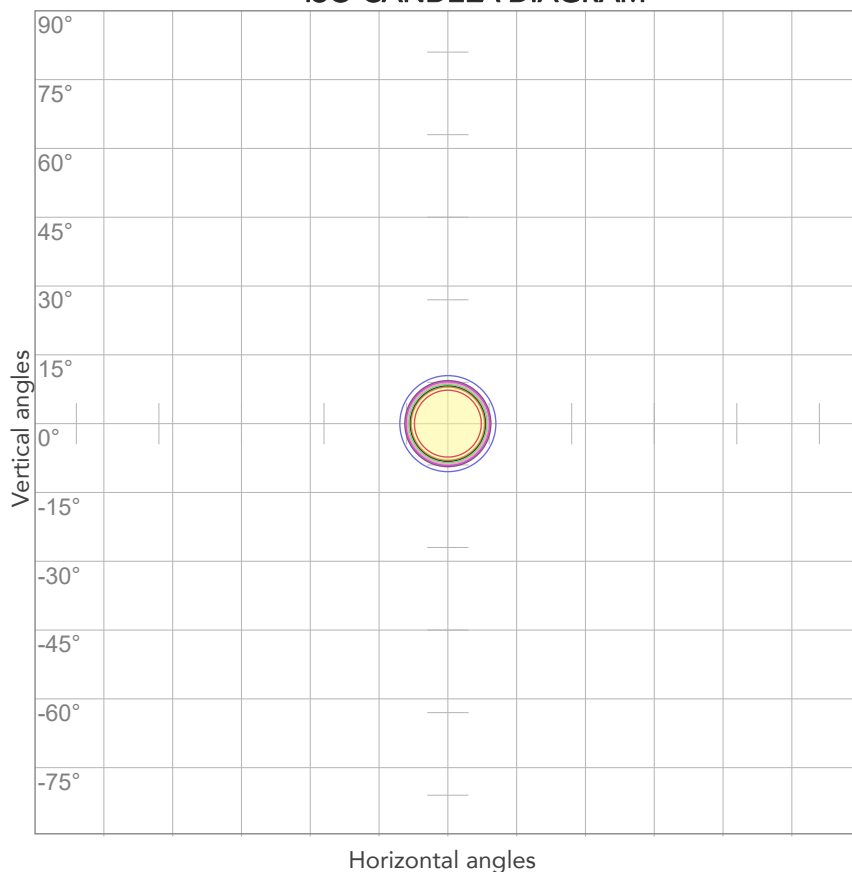
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 227V          | 2,37A         | 515,2W      | 0,96     | 26lm/W     |

## ISO CANDELA DIAGRAM



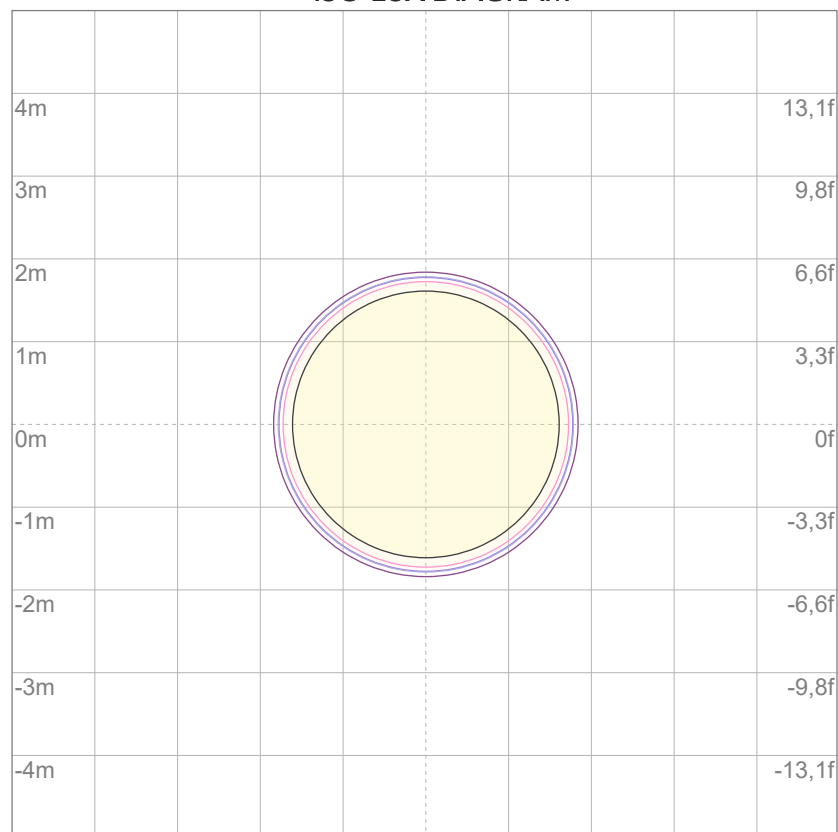
|     |           |
|-----|-----------|
| 10% | 17542 cd  |
| 20% | 35085 cd  |
| 30% | 52627 cd  |
| 40% | 70170 cd  |
| 50% | 87712 cd  |
| 60% | 105254 cd |
| 70% | 122797 cd |
| 80% | 140339 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 175424 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 52,6 lx |
| 5%  | 87,7 lx |
| 10% | 175 lx  |
| 30% | 526 lx  |
| 50% | 877 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 1754 lx

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



Total lumen output:

9289 lm

Peak candela output:

1115784 cd

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

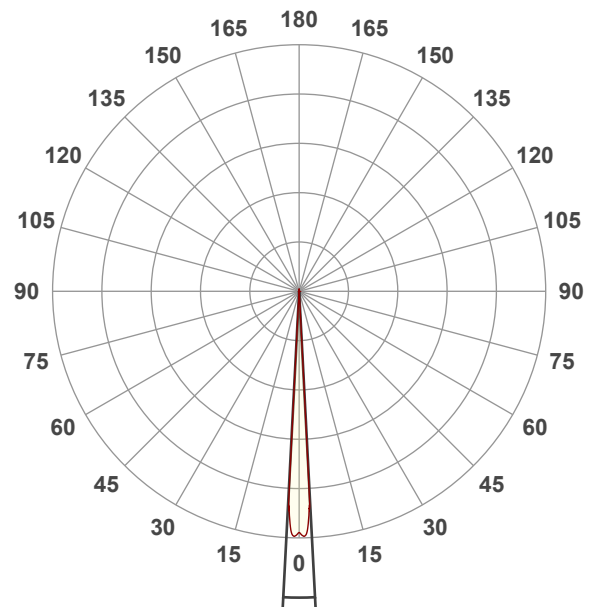
Lime - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 11:57:20

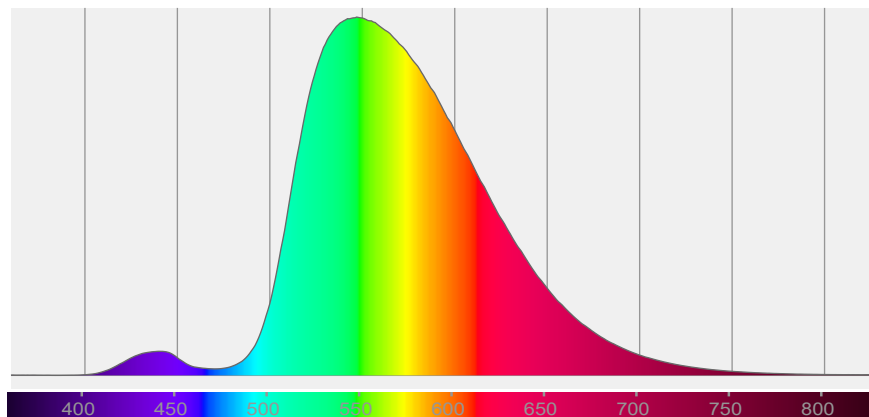


Beam angle 50%: 5,9°

Field angle 10%: 6,2°

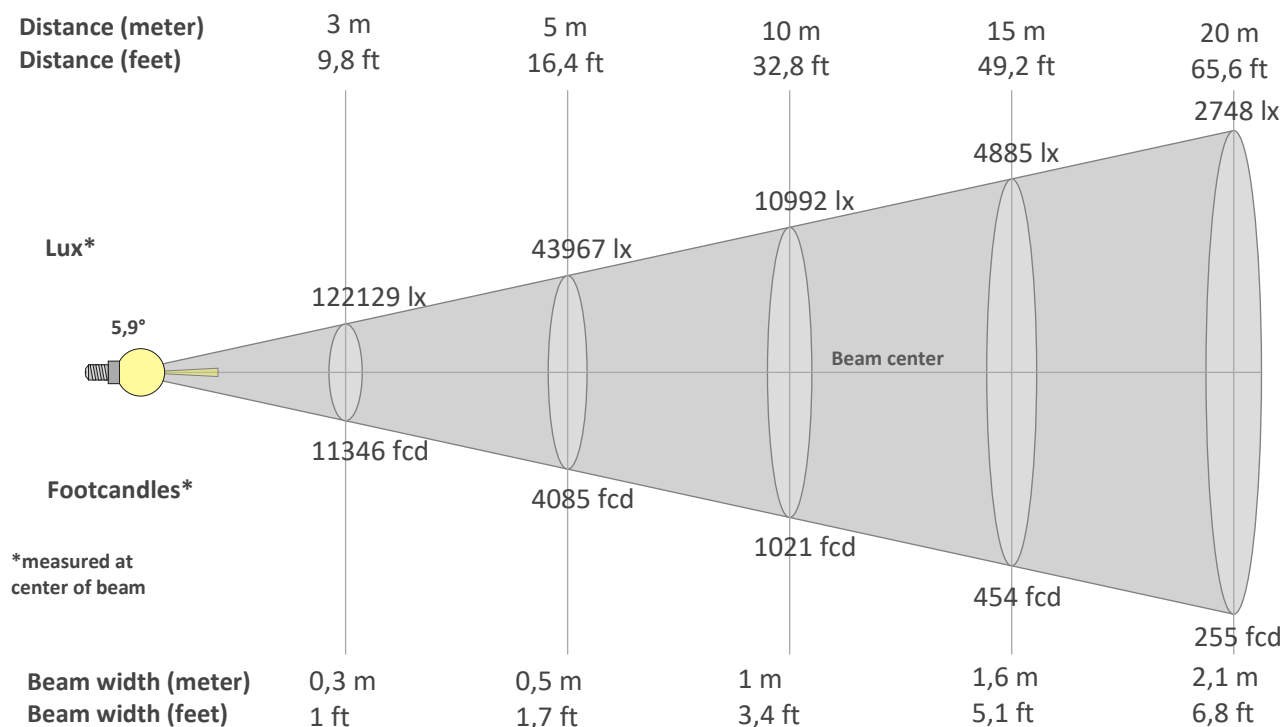
Cut off angle 2.5%: 6,6°

**Spectra**



## BEAM DETAILS

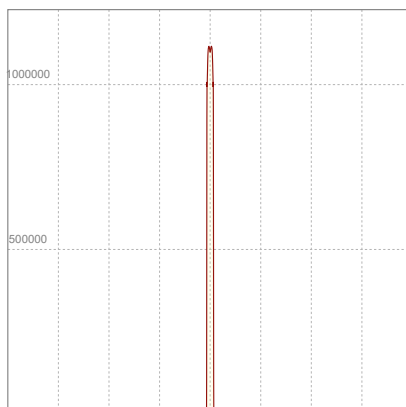
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,2°            | 6,6°               | 99,1%                        | 98,6%                       |



### 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       | 1099163lx | 274791lx | 122129lx | 68698lx | 43967lx | 19541lx | 10992lx | 4885lx | 2748lx | 1759lx | 1221lx | 687lx   | 440lx |
| Footcand. | 102116fcd | 25529fcd | 11346fcd | 6382fcd | 4085fcd | 1815fcd | 1021fcd | 454fcd | 255fcd | 163fcd | 113fcd | 64fcd   | 41fcd |
| Beam wid. | 0,1m      | 0,2m     | 0,3m     | 0,4m    | 0,5m    | 0,8m    | 1m      | 1,6m   | 2,1m   | 2,6m   | 3,1m   | 4,2m    | 5,2m  |
| Beam wid. | 0,3ft     | 0,7ft    | 1ft      | 1,4ft   | 1,7ft   | 2,6ft   | 3,4ft   | 5,1ft  | 6,8ft  | 8,5ft  | 10,2ft | 13,6ft  | 17ft  |

### LINEAR DISTRIBUTION DIAGRAM

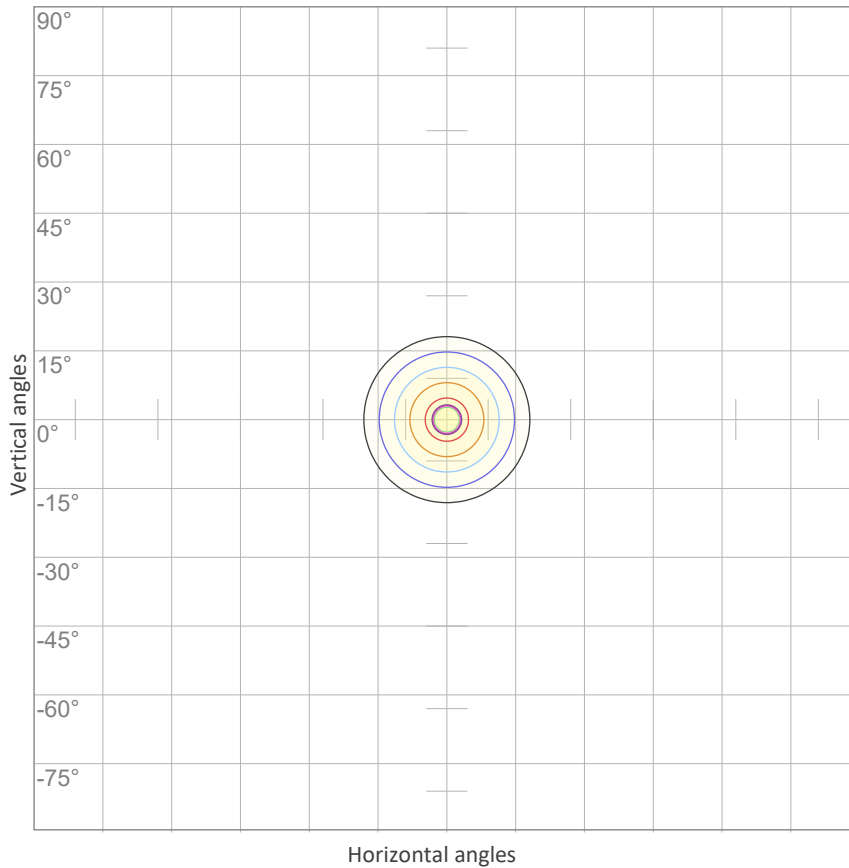


### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V          | 2,38A         | 517,9W      | 0,96     | 18lm/W     |



## ISO CANDELA DIAGRAM



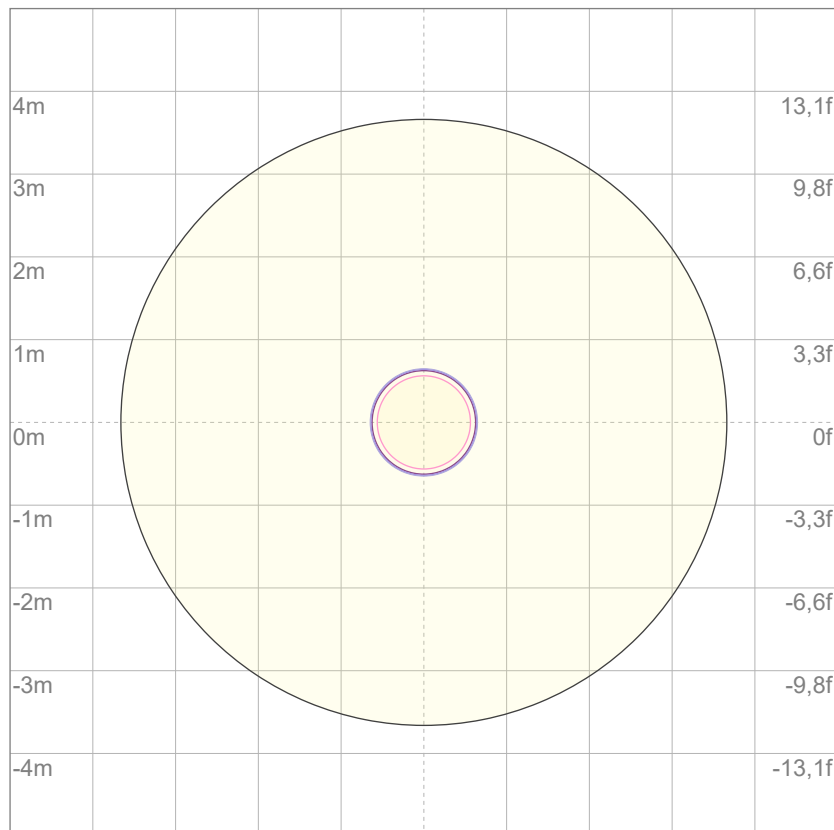
|     |           |
|-----|-----------|
| 10% | 109916 cd |
| 20% | 219833 cd |
| 30% | 329749 cd |
| 40% | 439665 cd |
| 50% | 549582 cd |
| 60% | 659498 cd |
| 70% | 769414 cd |
| 80% | 879331 cd |
| 90% | 989247 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1099163 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 330 lx  |
| 5%  | 550 lx  |
| 10% | 1099 lx |
| 30% | 3297 lx |
| 50% | 5496 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 11,0K lx

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



Total lumen output:

13777 lm

Peak candela output:

25984 cd

Light quality:

CRI: 84,4

Color temperature:

2827 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

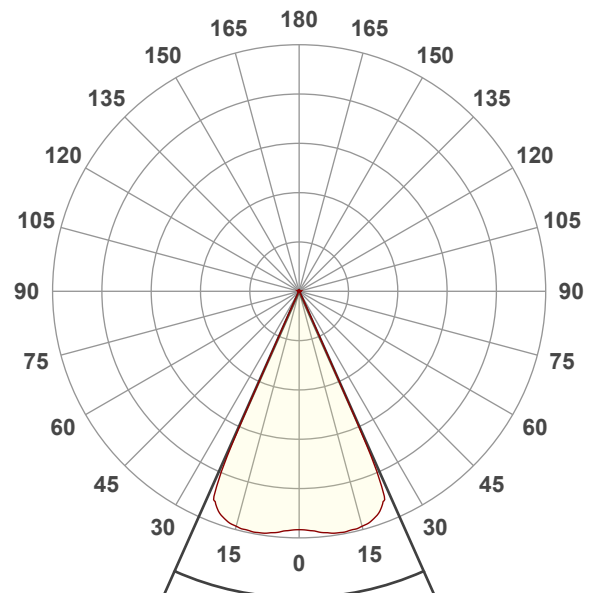
2800K- HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:43:36

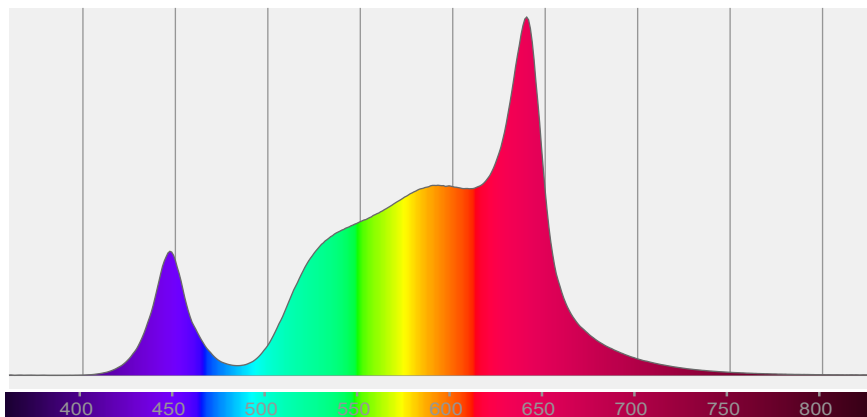


Beam angle 50%: 48°

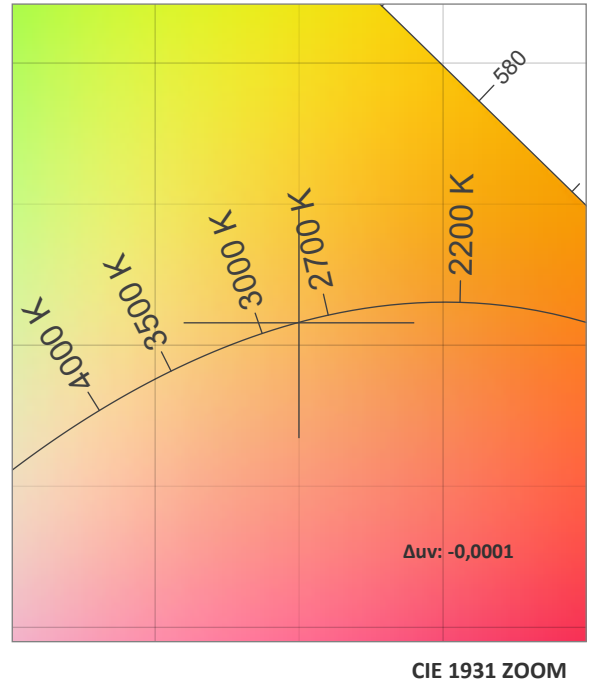
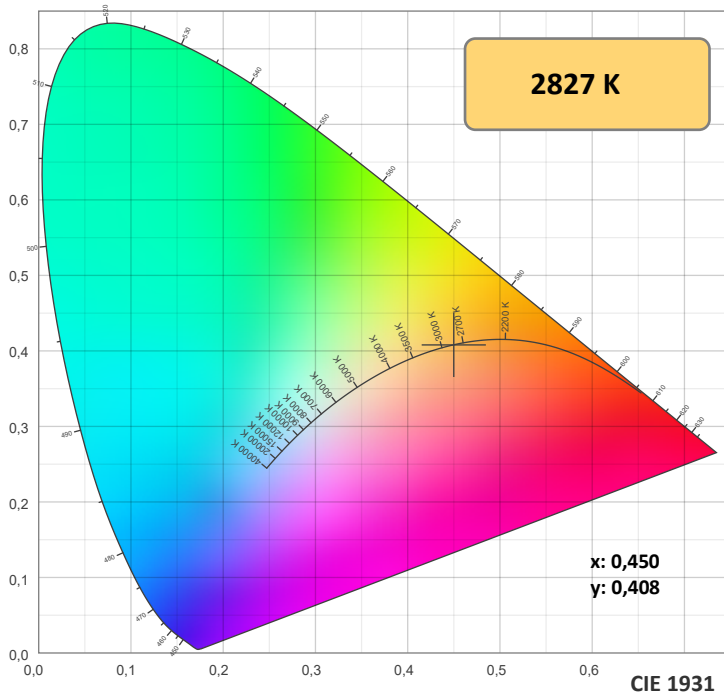
Field angle 10%: 49,5°

Cut off angle 2.5%: 50,9°

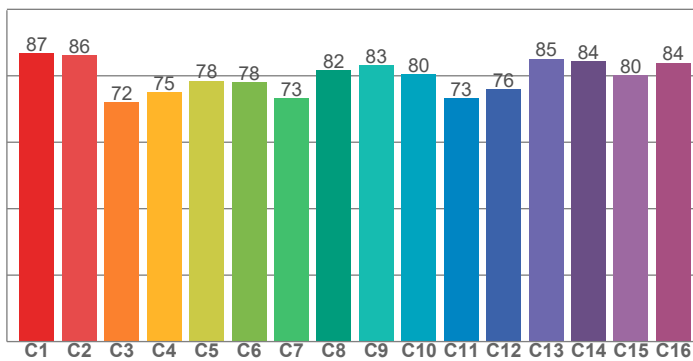
Spectra



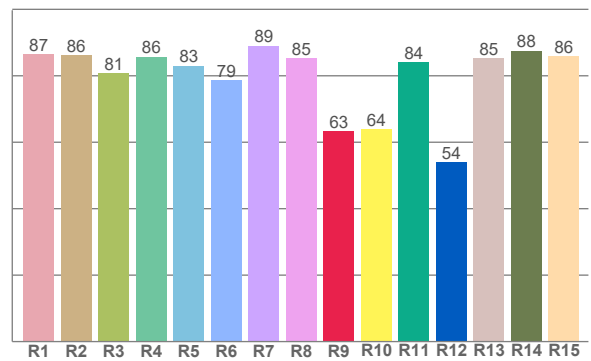
## COLOR DETAILS



**TM30: 80,1**



**CRI: 84,4 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 86,5 | 86,1 | 80,8 | 85,7 | 83,0 | 78,6 | 89,1 | 85,2 | 63,3 | 64,0 | 84,0 | 54,0 | 85,3 | 87,6 | 85,9 |

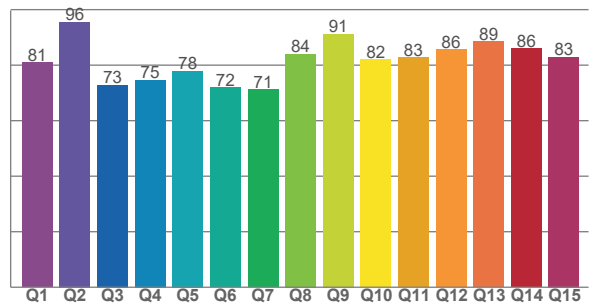
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 86,7 | 86,2 | 72,0 | 75,1 | 78,4 | 78,1 | 73,3 | 81,6 | 83,2 | 80,4 | 73,2 | 76,0 | 85,1 | 84,3 | 80,2 | 83,9 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81,0 | 95,5 | 72,8 | 74,6 | 77,9 | 72,0 | 71,3 | 84,1 | 91,2 | 82,0 | 82,7 | 85,6 | 88,6 | 86,0 | 82,9 |

**CQS: 80,5**



## 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                         | $\Delta uv$                     |
| 2827 K            | 84,4                  | 63,3          | 80,1           | 104,9       | 80,5                | 59                        | 0,450                     | 0,408                     | -0,0001                         |

## TM30 DETAILS

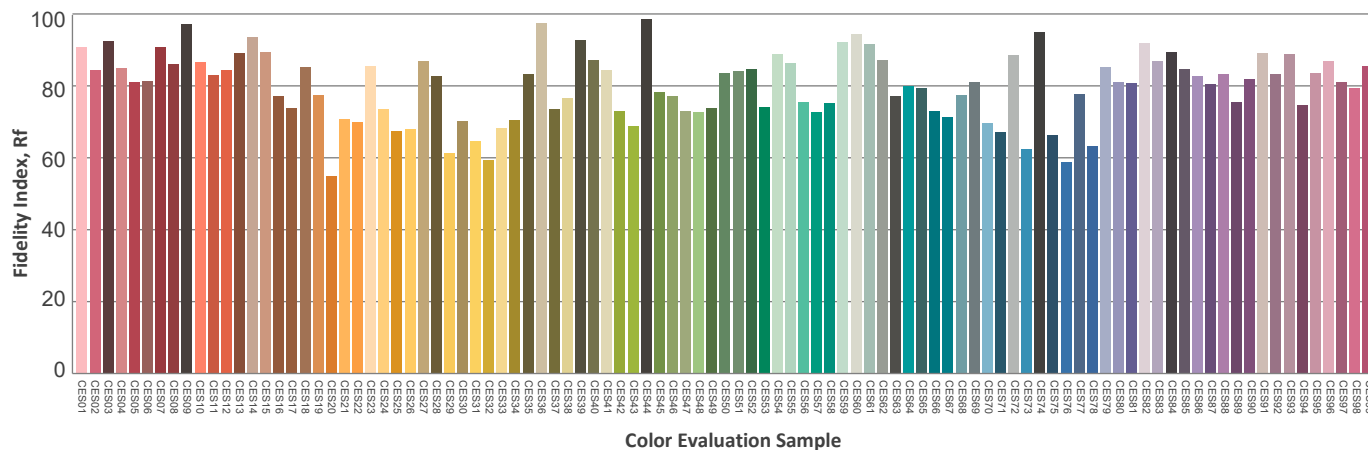
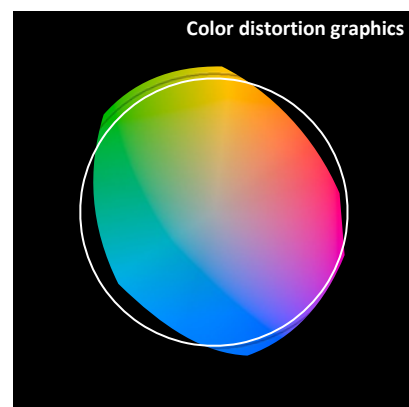
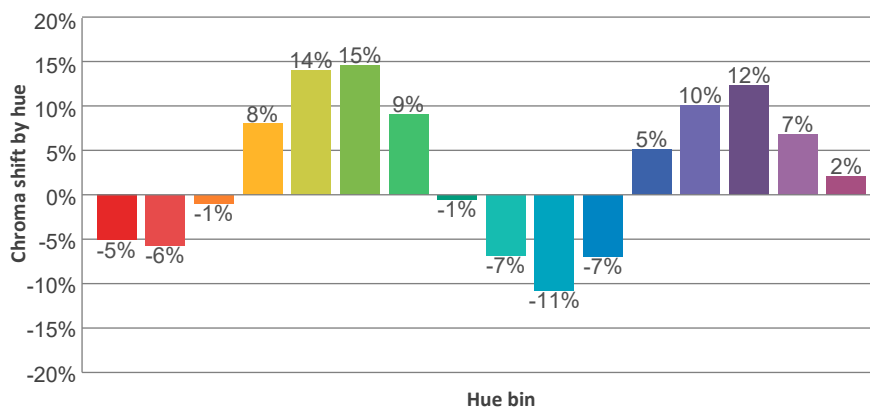
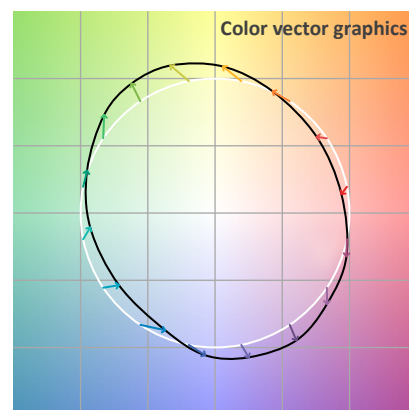
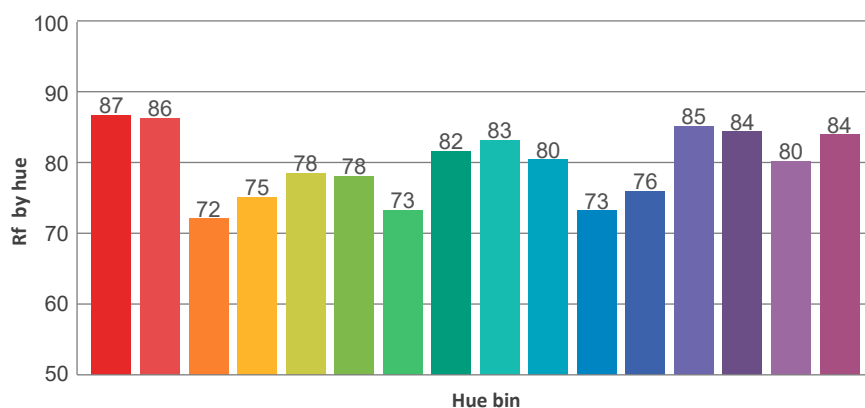
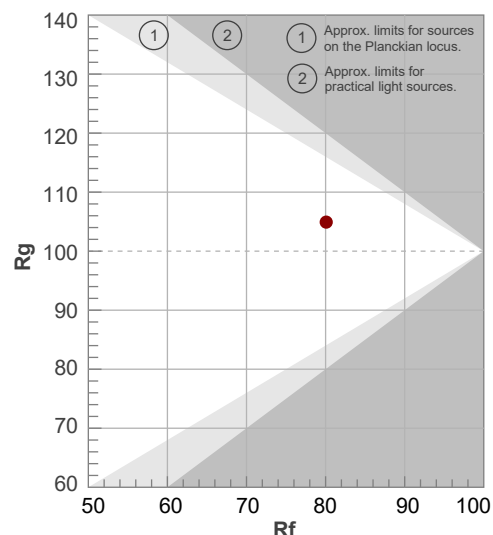
**Rf 80,1**

Fidelity index Rf

**Rg 104,9**

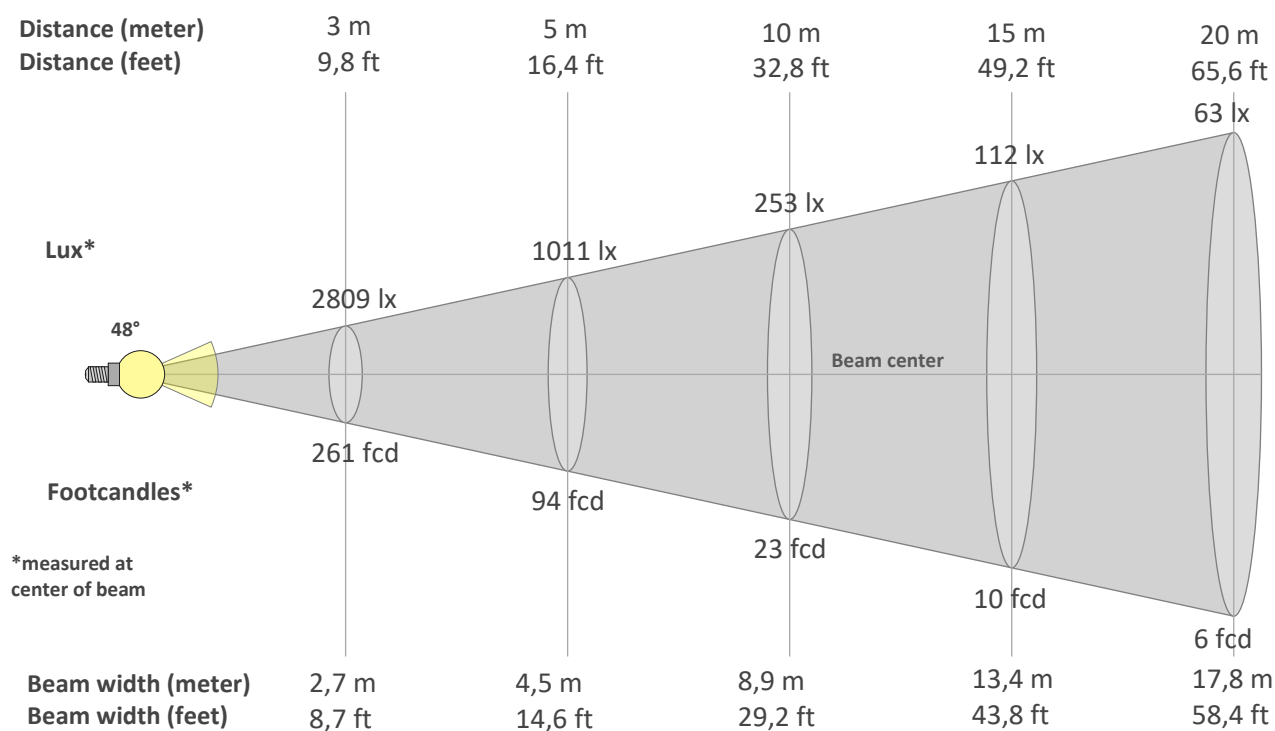
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 87             | -5%                | -5%  |
| 2       | 86             | -6%                | 5%   |
| 3       | 72             | -1%                | 15%  |
| 4       | 75             | 8%                 | 15%  |
| 5       | 78             | 14%                | 11%  |
| 6       | 78             | 15%                | -2%  |
| 7       | 73             | 9%                 | -15% |
| 8       | 82             | -1%                | -12% |
| 9       | 83             | -7%                | -8%  |
| 10      | 80             | -11%               | 5%   |
| 11      | 73             | -7%                | 18%  |
| 12      | 76             | 5%                 | 13%  |
| 13      | 85             | 10%                | 4%   |
| 14      | 84             | 12%                | -2%  |
| 15      | 80             | 7%                 | -10% |
| 16      | 84             | 2%                 | -12% |



## BEAM DETAILS

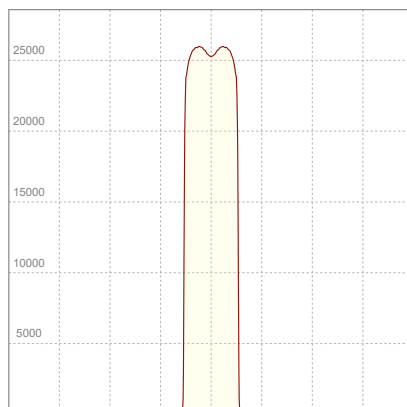
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 48°            | 49,5°           | 50,9°              | 99,7%                        | 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       | 25285lx | 6321lx | 2809lx | 1580lx | 1011lx | 450lx  | 253lx  | 112lx  | 63lx   | 40lx  | 28lx   | 16lx    | 10lx  |
| Footcand. | 2349fcd | 587fcd | 261fcd | 147fcd | 94fcd  | 42fcd  | 23fcd  | 10fcd  | 6fcd   | 4fcd  | 3fcd   | 1fcd    | 1fcd  |
| Beam wid. | 0,9m    | 1,8m   | 2,7m   | 3,6m   | 4,5m   | 6,7m   | 8,9m   | 13,4m  | 17,8m  | 22,3m | 26,7m  | 35,6m   | 44,5m |
| Beam wid. | 2,9ft   | 5,9ft  | 8,7ft  | 11,7ft | 14,6ft | 21,9ft | 29,2ft | 43,8ft | 58,4ft | 73ft  | 87,6ft | 116,8ft | 146ft |

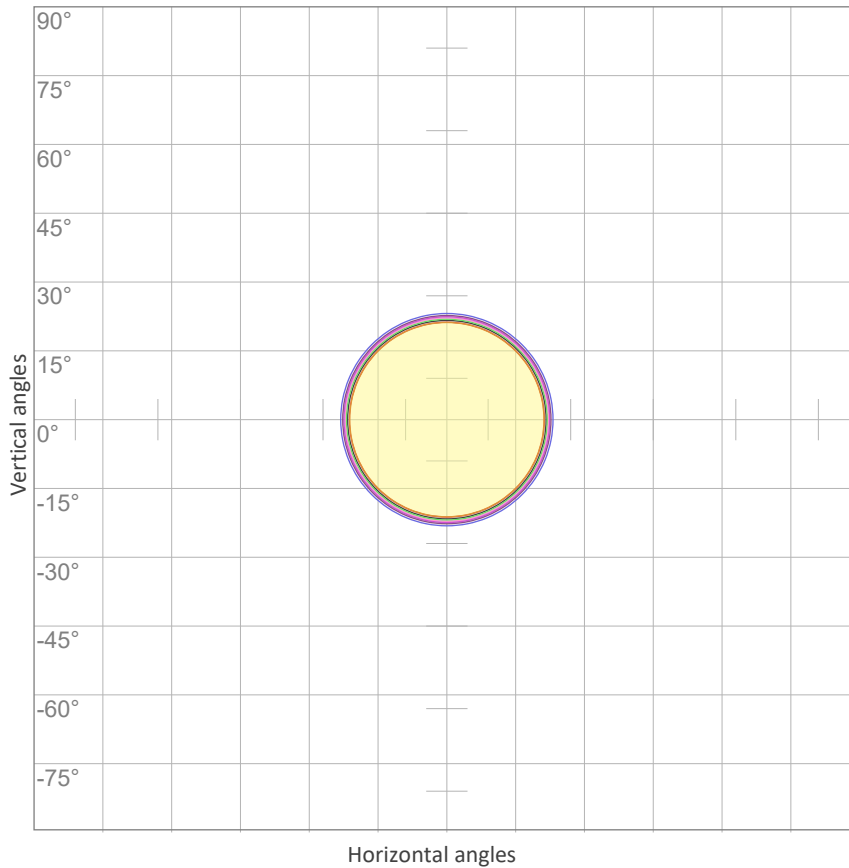
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 225V          | 3,29A         | 723,8W      | 0,98     | 19lm/W     |

## ISO CANDELA DIAGRAM



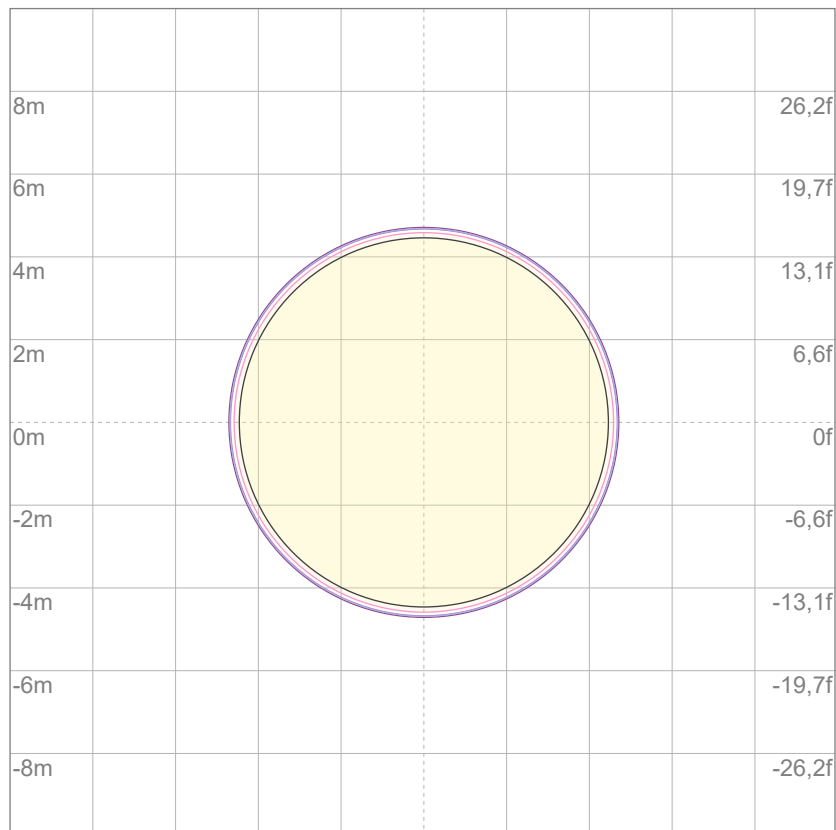
|     |          |
|-----|----------|
| 10% | 2528 cd  |
| 20% | 5057 cd  |
| 30% | 7585 cd  |
| 40% | 10114 cd |
| 50% | 12642 cd |
| 60% | 15171 cd |
| 70% | 17699 cd |
| 80% | 20228 cd |
| 90% | 22756 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 25285 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 7,59 lx |
| 5%  | 12,6 lx |
| 10% | 25,3 lx |
| 30% | 75,9 lx |
| 50% | 126 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 253 lx

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



Total lumen output:

13355 lm

Peak candela output:

176985 cd

Light quality:

CRI: 84,4

Color temperature:

2803 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

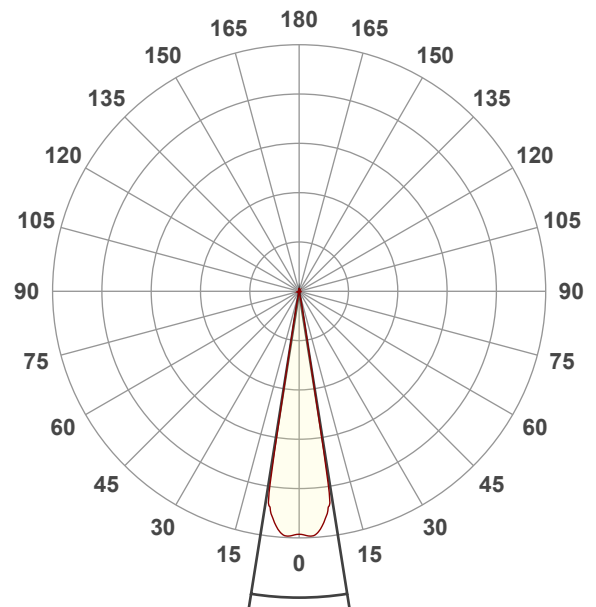
2800K- HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:40:48

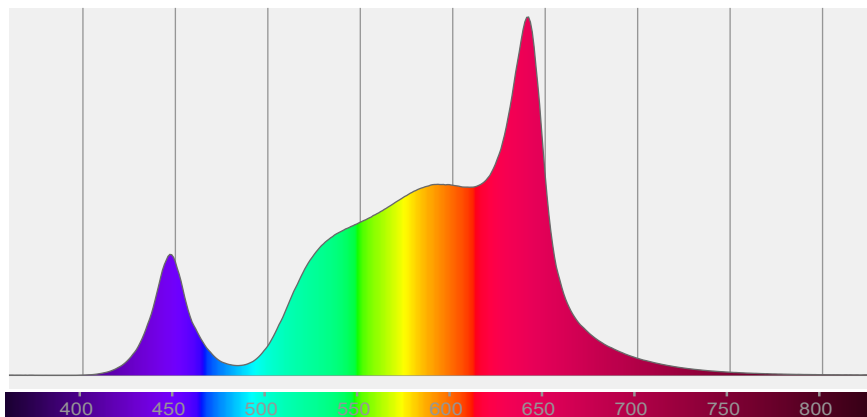


Beam angle 50%: 18,1°

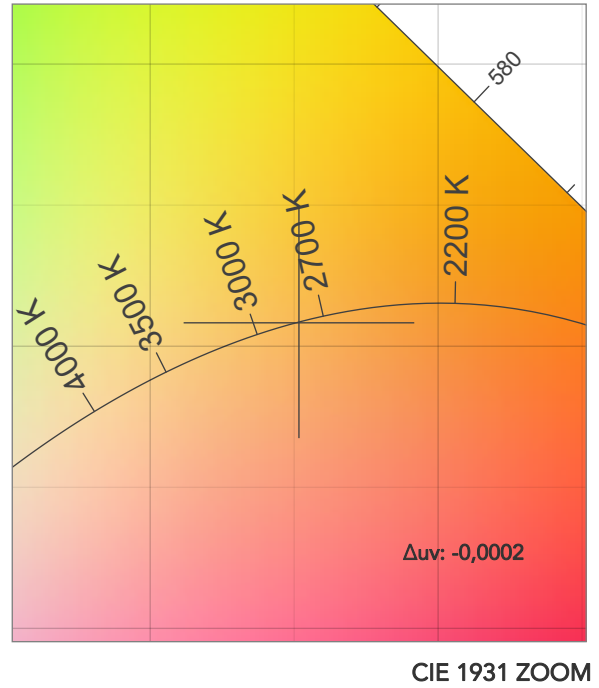
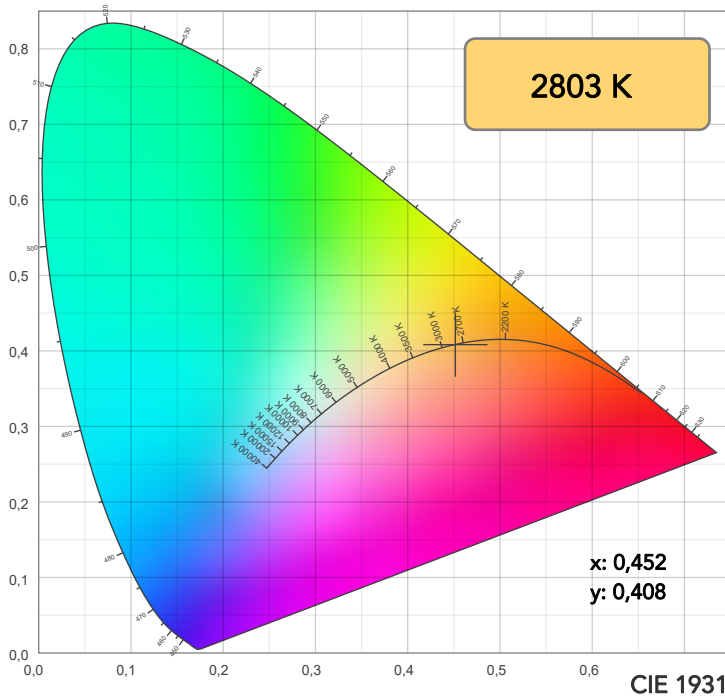
Field angle 10%: 19,7°

Cut off angle 2.5%: 20,8°

**Spectra**

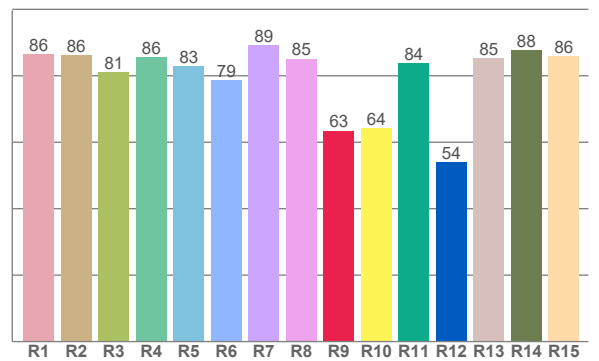
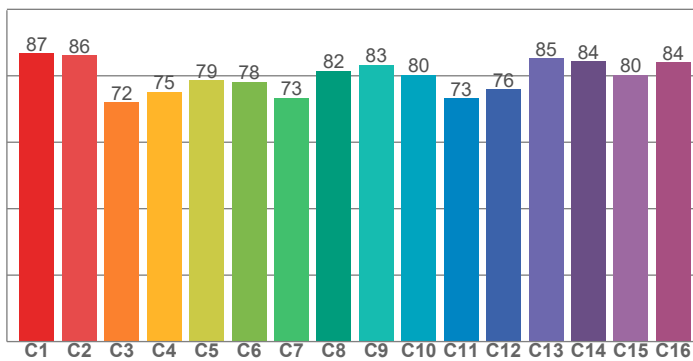


## COLOR DETAILS



TM30: 80,1

CRI: 84,4 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 86,4 | 86,2 | 81,0 | 85,7 | 82,9 | 78,6 | 89,3 | 85,2 | 63,4 | 64,2 | 83,7 | 54,1 | 85,3 | 87,7 | 85,9 |

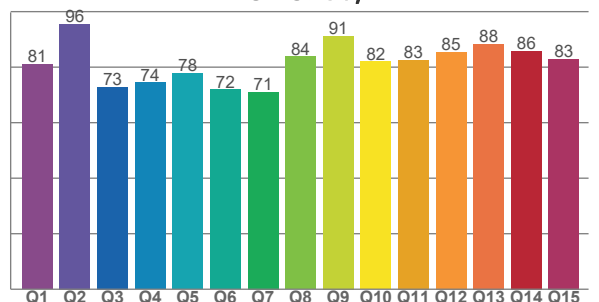
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 86,8 | 86,2 | 72,0 | 75,2 | 78,6 | 78,2 | 73,3 | 81,5 | 83,2 | 80,3 | 73,2 | 76,0 | 85,2 | 84,4 | 80,2 | 84,0 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 81,0 | 95,5 | 72,8 | 74,4 | 77,8 | 71,9 | 71,1 | 83,8 | 91,2 | 82,0 | 82,7 | 85,5 | 88,4 | 85,9 | 82,9 |

CQS: 80,4



## 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                             |
| 2803 K            | 84,4                  | 63,4          | 80,1           | 104,9       | 80,4                | 59                        | 0,452                     | 0,408                     | -0,0002                         |

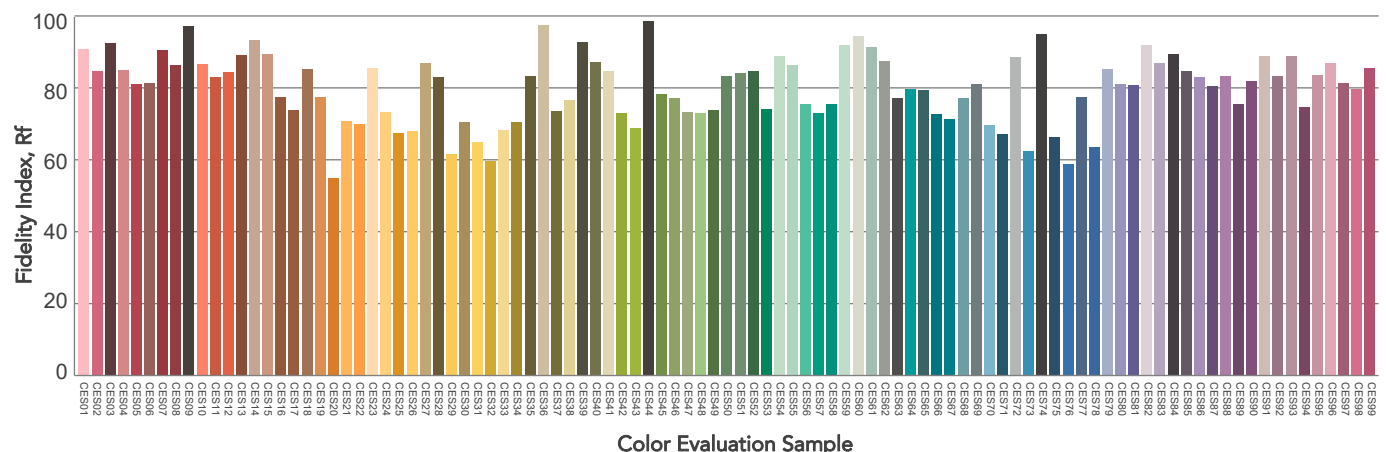
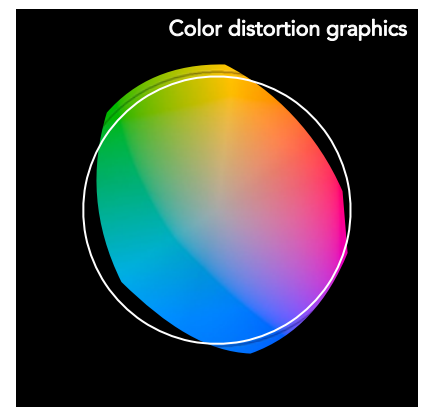
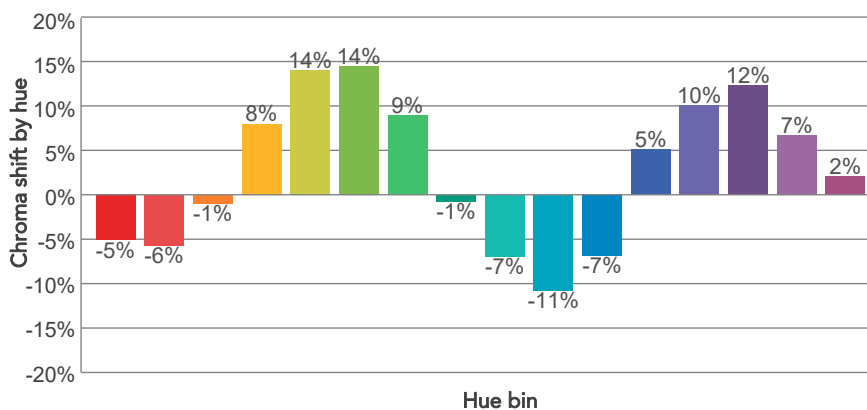
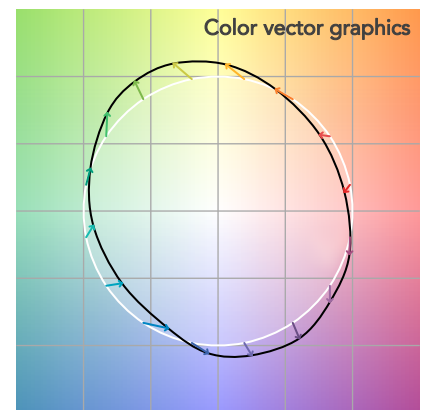
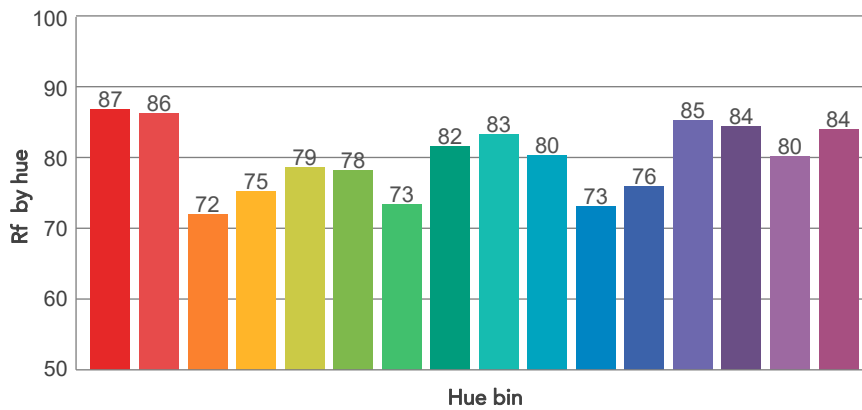
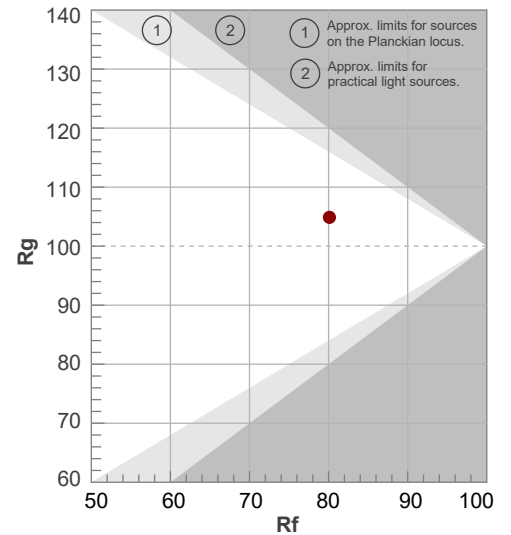


# TM30 DETAILS

**Rf 80,1**  
Fidelity index Rf

**Rg 104,9**  
Gammut index

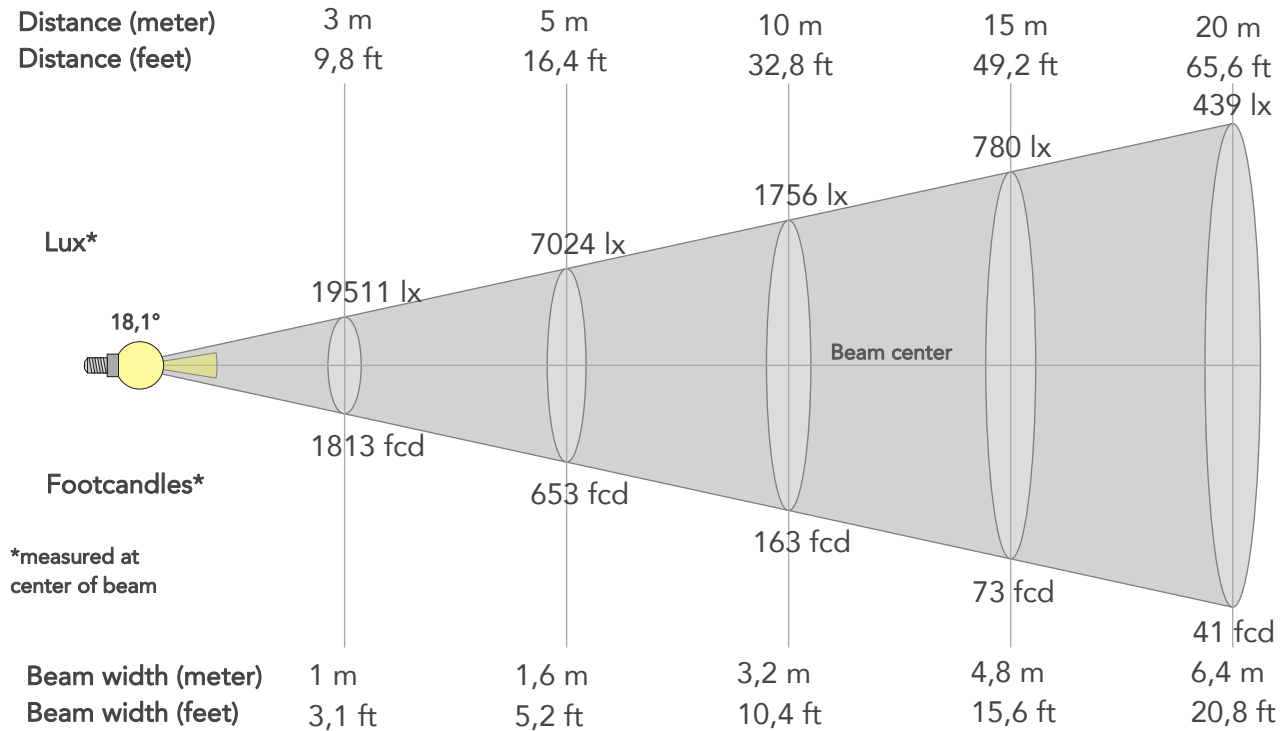
|         |                | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
| Hue Bin | R <sub>f</sub> | Chroma             | Hue  |
| 1       | 87             | -5%                | -4%  |
| 2       | 86             | -6%                | 5%   |
| 3       | 72             | -1%                | 15%  |
| 4       | 75             | 8%                 | 15%  |
| 5       | 79             | 14%                | 11%  |
| 6       | 78             | 14%                | -2%  |
| 7       | 73             | 9%                 | -15% |
| 8       | 82             | -1%                | -12% |
| 9       | 83             | -7%                | -7%  |
| 10      | 80             | -11%               | 5%   |
| 11      | 73             | -7%                | 18%  |
| 12      | 76             | 5%                 | 13%  |
| 13      | 85             | 10%                | 4%   |
| 14      | 84             | 12%                | -2%  |
| 15      | 80             | 7%                 | -10% |
| 16      | 84             | 2%                 | -12% |



## BEAM DETAILS



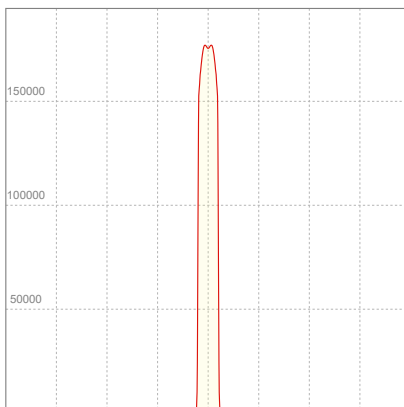
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18,1°          | 19,7°           | 20,8°              | 99,6%                        | 99,5%                       |



### 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       | 175598lx | 43899lx | 19511lx | 10975lx | 7024lx | 3122lx | 1756lx | 780lx  | 439lx  | 281lx  | 195lx  | 110lx   | 70lx   |
| Footcand. | 16314fcd | 4078fcd | 1813fcd | 1020fcd | 653fcd | 290fcd | 163fcd | 73fcd  | 41fcd  | 26fcd  | 18fcd  | 10fcd   | 7fcd   |
| Beam wid. | 0,3m     | 0,6m    | 1m      | 1,3m    | 1,6m   | 2,4m   | 3,2m   | 4,8m   | 6,4m   | 7,9m   | 9,5m   | 12,7m   | 15,9m  |
| Beam wid. | 1ft      | 2,1ft   | 3,1ft   | 4,2ft   | 5,2ft  | 7,8ft  | 10,4ft | 15,6ft | 20,8ft | 26,1ft | 31,3ft | 41,7ft  | 52,1ft |

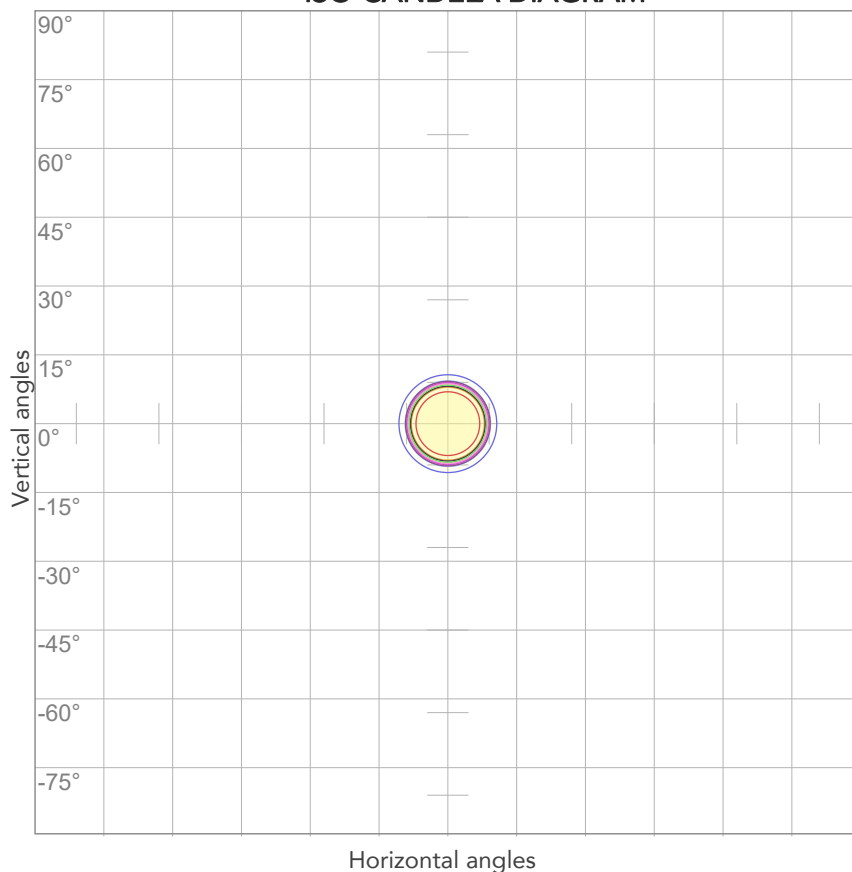
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 226V          | 3,20A         | 707,4W      | 0,98     | 19lm/W     |

## ISO CANDELA DIAGRAM



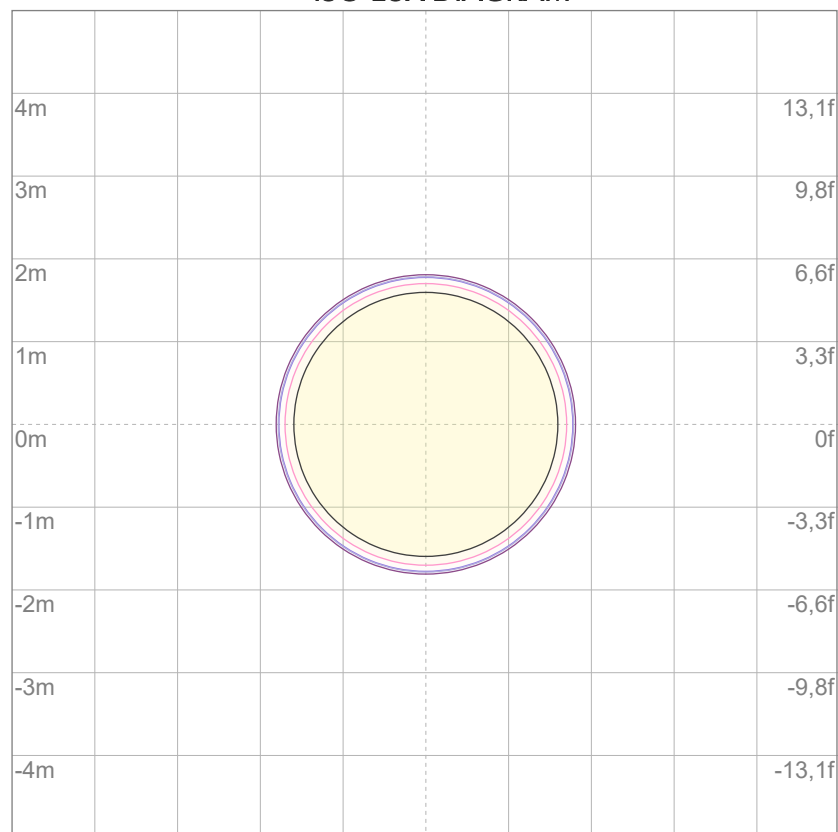
|     |           |
|-----|-----------|
| 10% | 17560 cd  |
| 20% | 35120 cd  |
| 30% | 52679 cd  |
| 40% | 70239 cd  |
| 50% | 87799 cd  |
| 60% | 105359 cd |
| 70% | 122918 cd |
| 80% | 140478 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 175598 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 52,7 lx |
| 5%  | 87,8 lx |
| 10% | 176 lx  |
| 30% | 527 lx  |
| 50% | 878 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 1756 lx

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



Total lumen output:

9829 lm

Peak candela output:

1128533 cd

Light quality:

CRI: 85,4

Color temperature:

2815 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

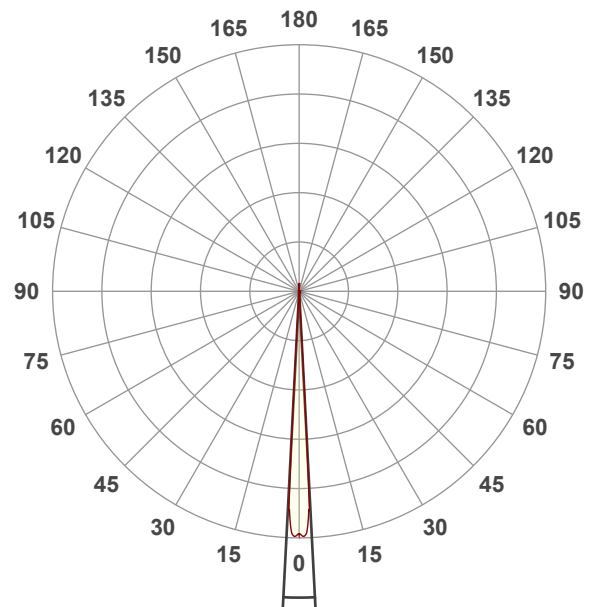
2800K- HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 14:42:16

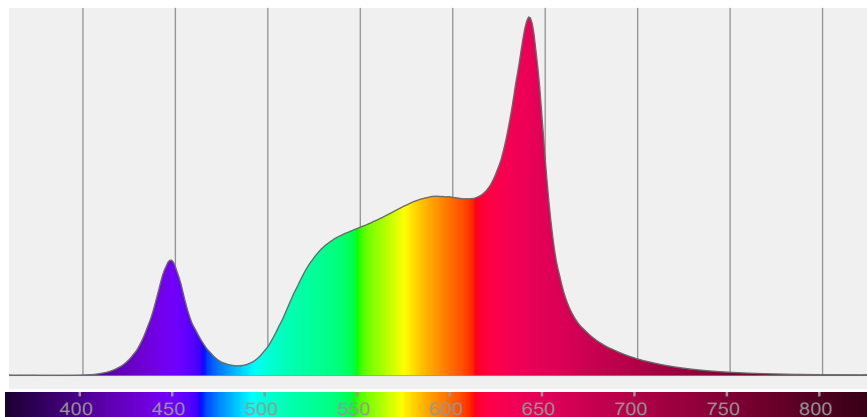


Beam angle 50%: 5,9°

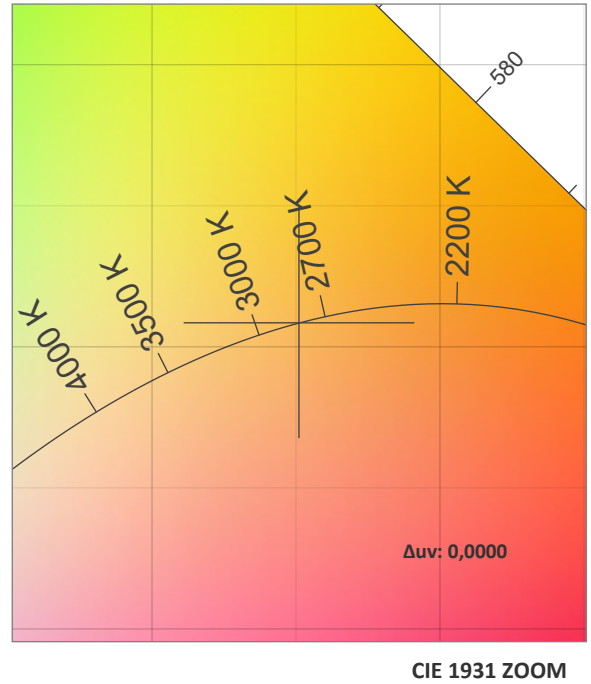
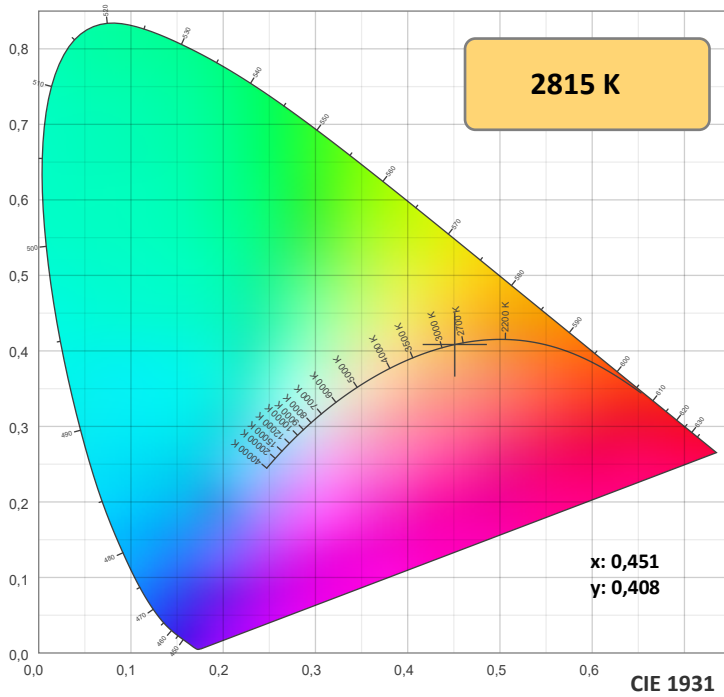
Field angle 10%: 6,4°

Cut off angle 2.5%: 6,5°

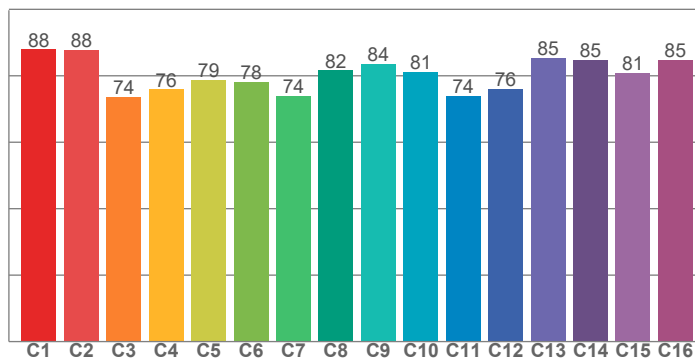
**Spectra**



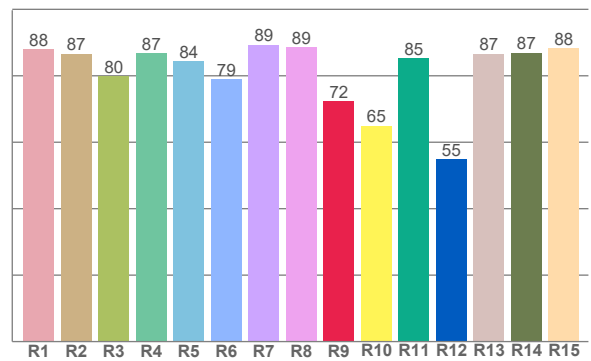
## COLOR DETAILS



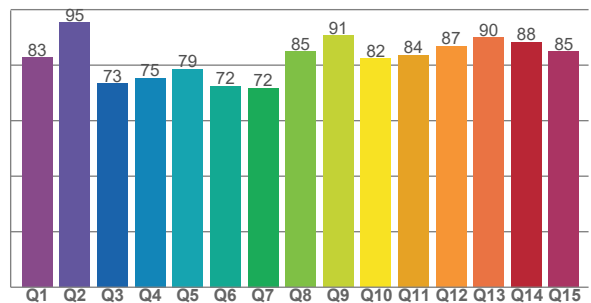
**TM30: 80,8**



**CRI: 85,4 (R1-R8)**



**CQS: 81,2**



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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88,1 | 86,6 | 79,8 | 86,9 | 84,5 | 78,9 | 89,4 | 88,7 | 72,4 | 65,0 | 85,3 | 54,8 | 86,6 | 87,0 | 88,4 |

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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88,0 | 87,8 | 73,6 | 75,9 | 78,8 | 78,2 | 73,9 | 81,7 | 83,6 | 81,2 | 74,0 | 76,1 | 85,4 | 84,8 | 80,9 | 84,7 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,8 | 95,4 | 73,3 | 75,4 | 78,6 | 72,4 | 71,7 | 84,8 | 90,7 | 82,4 | 83,6 | 86,8 | 89,9 | 88,3 | 84,9 |

## 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                         | $\Delta uv$                     |
| 2815 K            | 85,4                  | 72,4          | 80,8           | 105,5       | 81,2                | 61                        | 0,451                     | 0,408                     | 0,0000                          |

## TM30 DETAILS

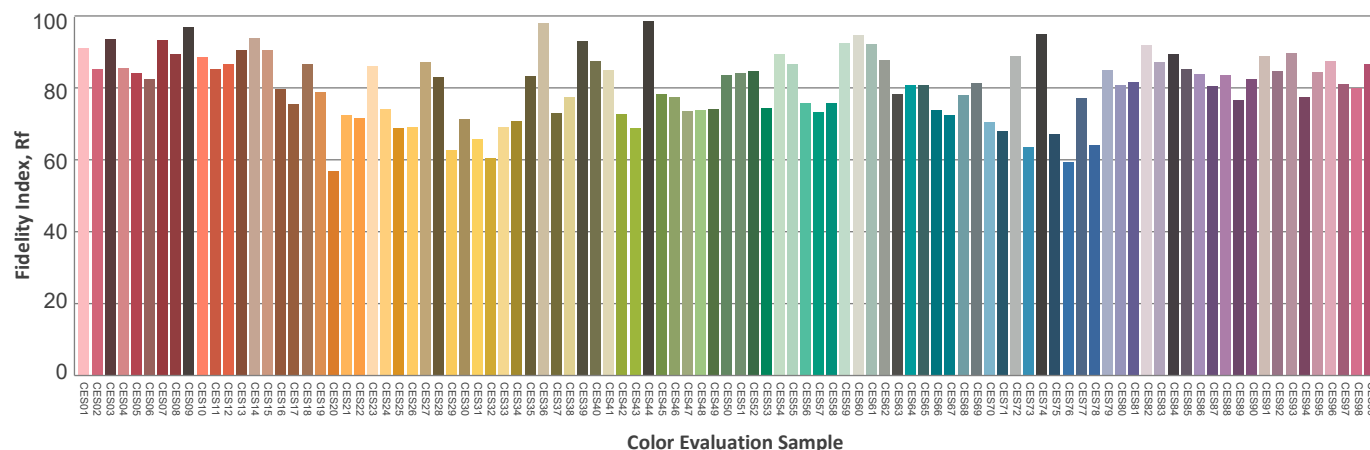
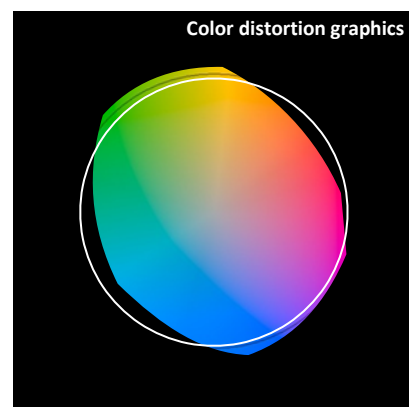
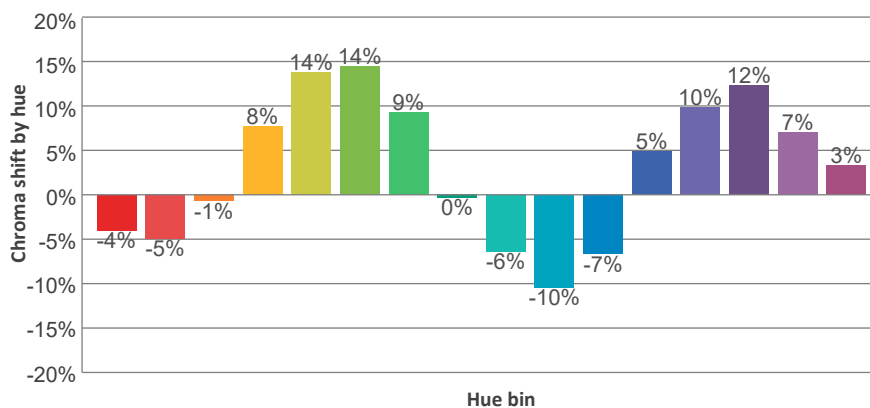
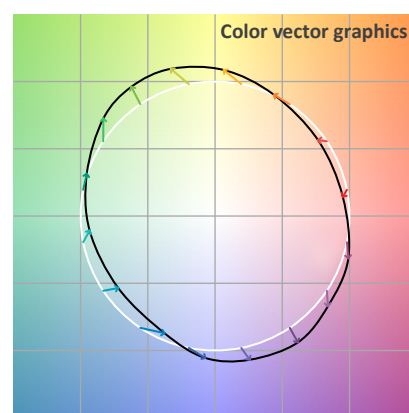
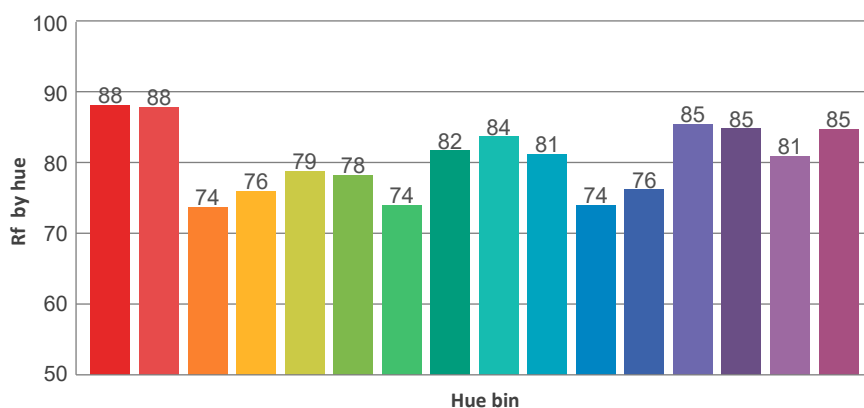
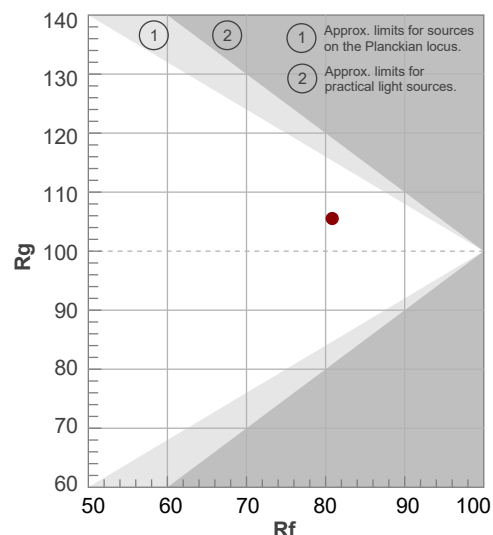
**Rf 80,8**

Fidelity index Rf

**Rg 105,5**

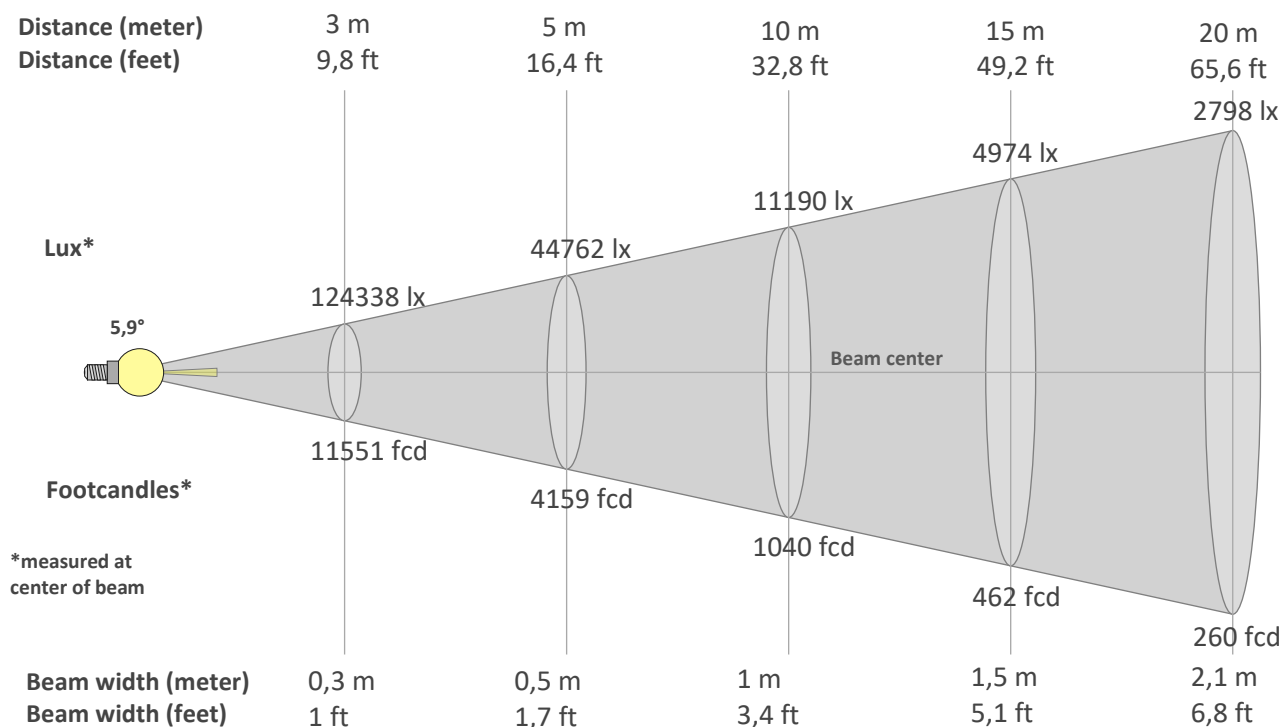
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 88             | -4%                | -5%  |
| 2       | 88             | -5%                | 4%   |
| 3       | 74             | -1%                | 14%  |
| 4       | 76             | 8%                 | 15%  |
| 5       | 79             | 14%                | 11%  |
| 6       | 78             | 14%                | -2%  |
| 7       | 74             | 9%                 | -14% |
| 8       | 82             | 0%                 | -12% |
| 9       | 84             | -6%                | -8%  |
| 10      | 81             | -10%               | 5%   |
| 11      | 74             | -7%                | 17%  |
| 12      | 76             | 5%                 | 13%  |
| 13      | 85             | 10%                | 4%   |
| 14      | 85             | 12%                | -1%  |
| 15      | 81             | 7%                 | -9%  |
| 16      | 85             | 3%                 | -12% |



## BEAM DETAILS

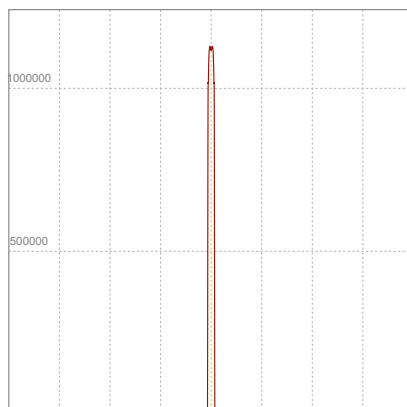
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,4°            | 6,5°               | 96,4%                        | 94,9%                       |



### 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  |
| <b>Lux</b>       | 1119046lx | 279761lx | 124338lx | 69940lx | 44762lx | 19894lx | 11190lx | 4974lx | 2798lx | 1790lx | 1243lx | 699lx   | 448lx  |
| <b>Footcand.</b> | 103963fcd | 25991fcd | 11551fcd | 6498fcd | 4159fcd | 1848fcd | 1040fcd | 462fcd | 260fcd | 166fcd | 116fcd | 65fcd   | 42fcd  |
| <b>Beam wid.</b> | 0,1m      | 0,2m     | 0,3m     | 0,4m    | 0,5m    | 0,8m    | 1m      | 1,5m   | 2,1m   | 2,6m   | 3,1m   | 4,1m    | 5,2m   |
| <b>Beam wid.</b> | 0,3ft     | 0,7ft    | 1ft      | 1,4ft   | 1,7ft   | 2,5ft   | 3,4ft   | 5,1ft  | 6,8ft  | 8,5ft  | 10,2ft | 13,5ft  | 16,9ft |

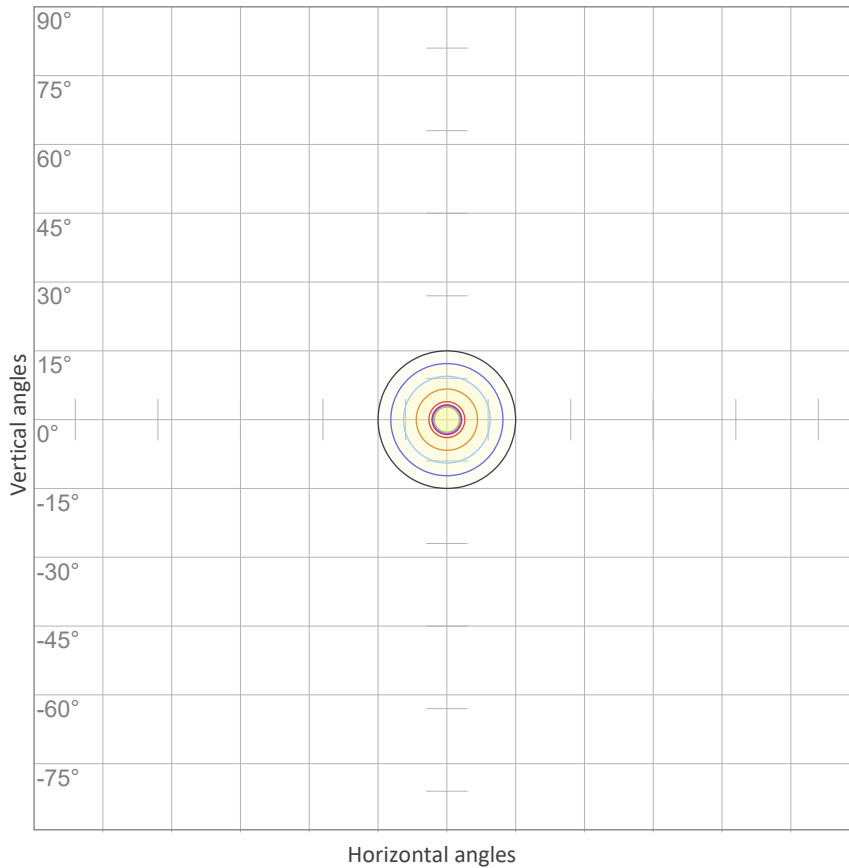
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 226V          | 3,45A         | 763,4W      | 0,98     | 13lm/W     |

## ISO CANDELA DIAGRAM



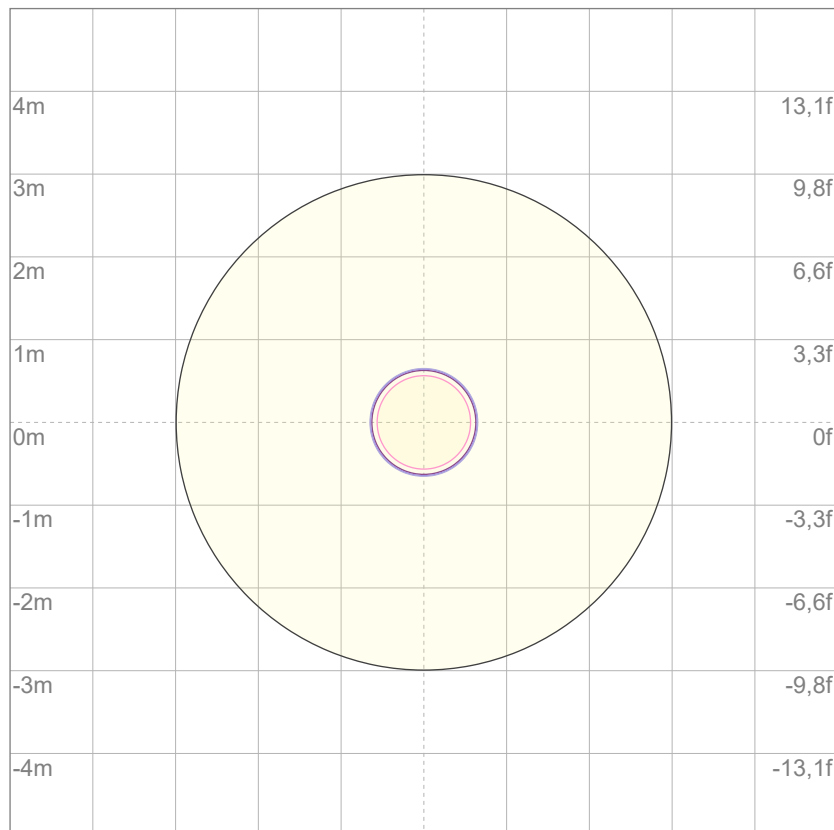
|     |            |
|-----|------------|
| 10% | 111905 cd  |
| 20% | 223809 cd  |
| 30% | 335714 cd  |
| 40% | 447618 cd  |
| 50% | 559523 cd  |
| 60% | 671427 cd  |
| 70% | 783332 cd  |
| 80% | 895237 cd  |
| 90% | 1007141 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1119046 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 336 lx  |
| 5%  | 560 lx  |
| 10% | 1119 lx |
| 30% | 3357 lx |
| 50% | 5595 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 11,2K lx

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





Total lumen output:

16524 lm

Peak candela output:

31170 cd

Light quality:

CRI: 81,1

Color temperature:

3216 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

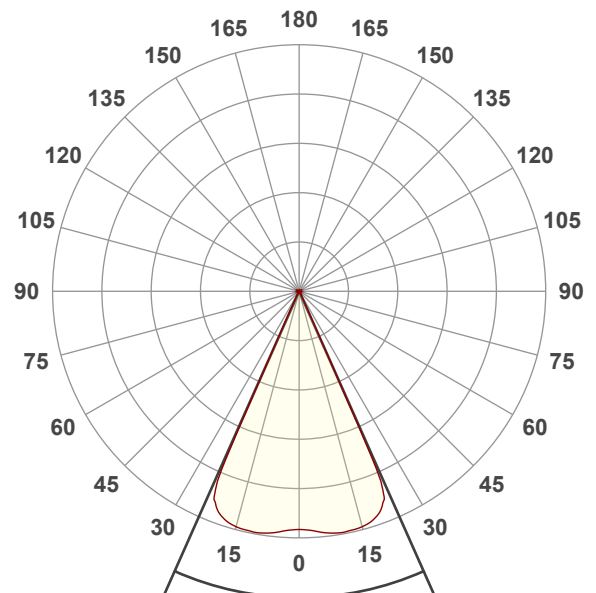
3200K- HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 16:12:49

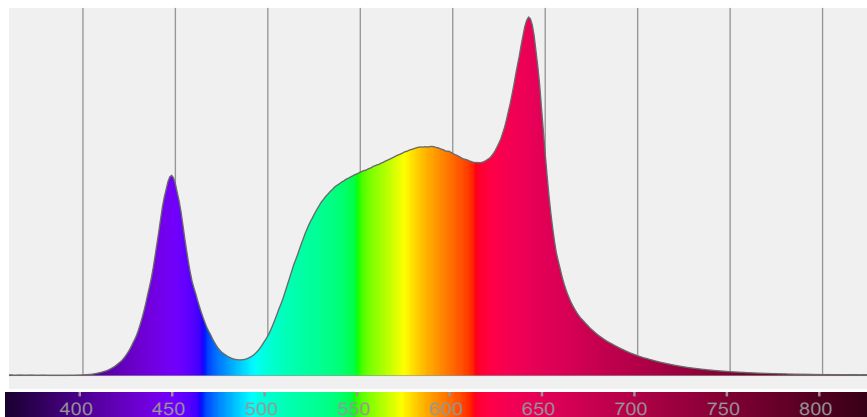


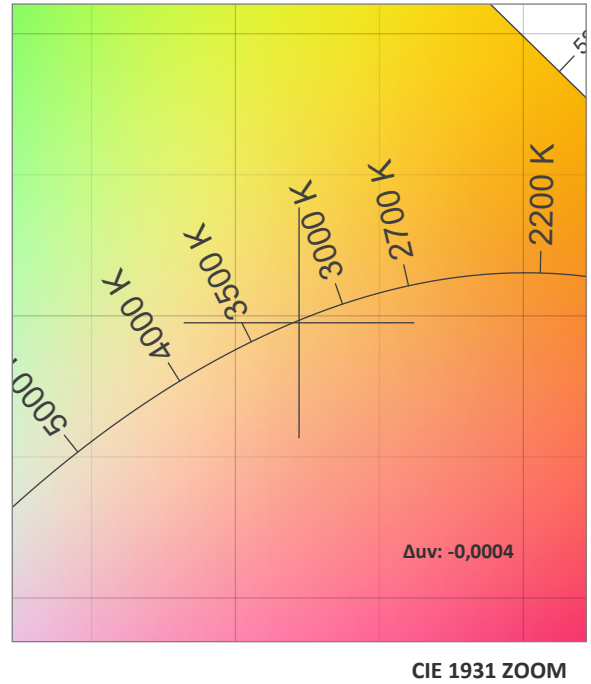
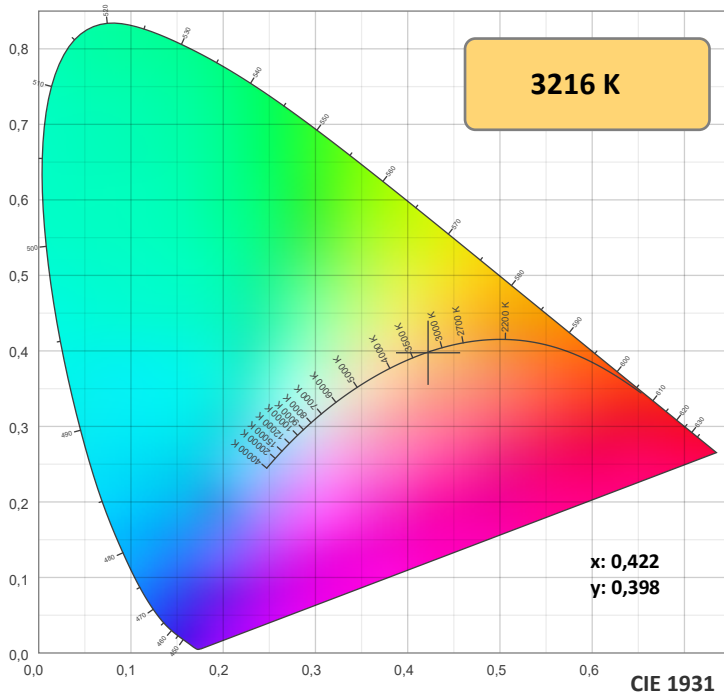
Beam angle 50%: 48°

Field angle 10%: 49,2°

Cut off angle 2.5%: 50,7°

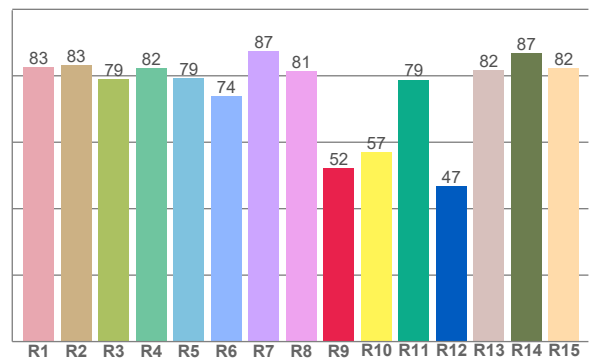
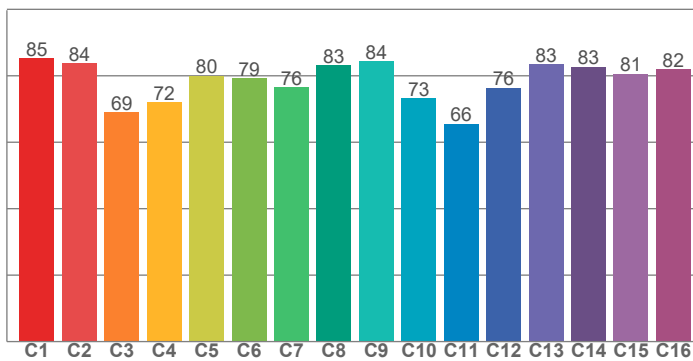
Spectra





**TM30: 78,5**

**CRI: 81,1 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,6 | 83,3 | 79,0 | 82,2 | 79,2 | 73,8 | 87,3 | 81,5 | 52,2 | 57,1 | 78,8 | 46,7 | 81,6 | 86,9 | 82,4 |

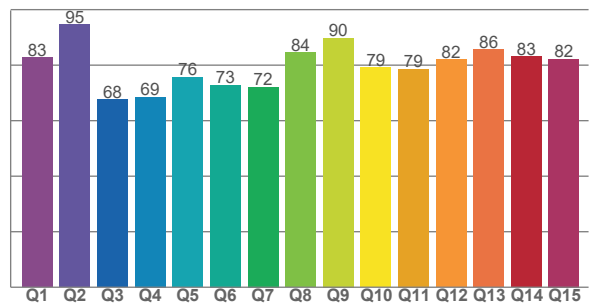
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 85,2 | 83,7 | 69,0 | 72,0 | 79,9 | 79,3 | 76,5 | 83,1 | 84,4 | 73,3 | 65,5 | 76,4 | 83,5 | 82,7 | 80,6 | 81,9 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,8 | 94,7 | 67,6 | 68,6 | 75,6 | 72,8 | 72,1 | 84,5 | 89,8 | 79,1 | 78,7 | 82,0 | 85,6 | 83,1 | 82,2 |

**CQS: 78,6**



## 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                             |
| 3216 K            | 81,1                  | 52,2          | 78,5           | 103,3       | 78,6                | 60                        | 0,422                     | 0,398                     | -0,0004                         |

## TM30 DETAILS

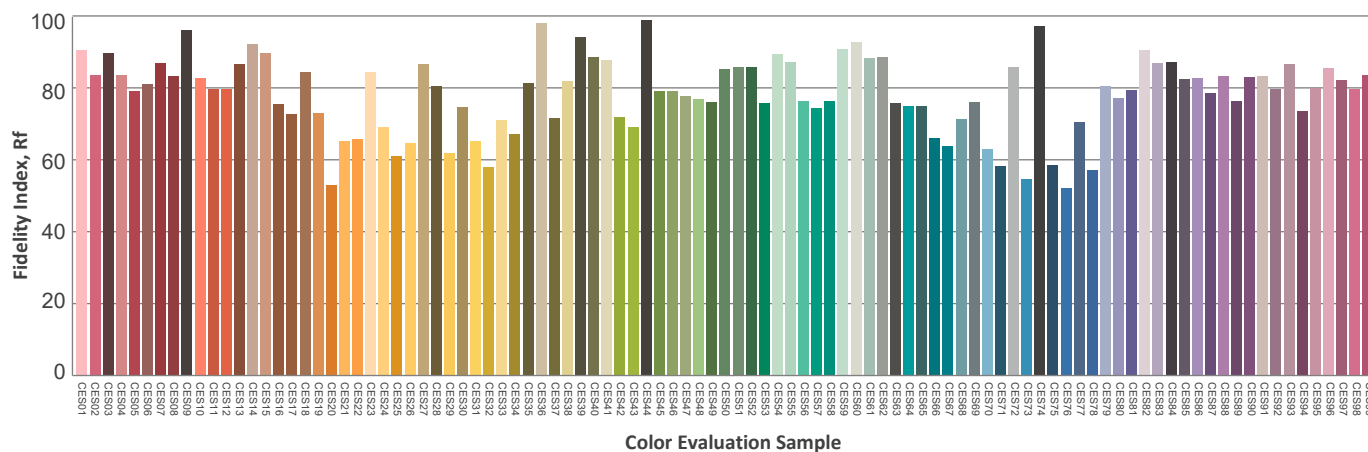
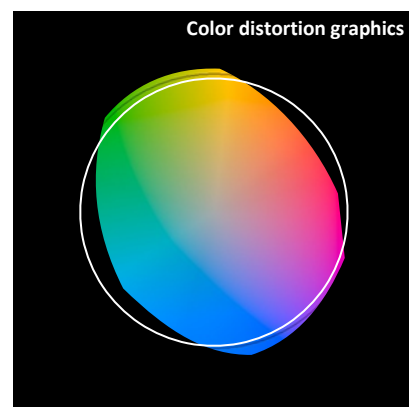
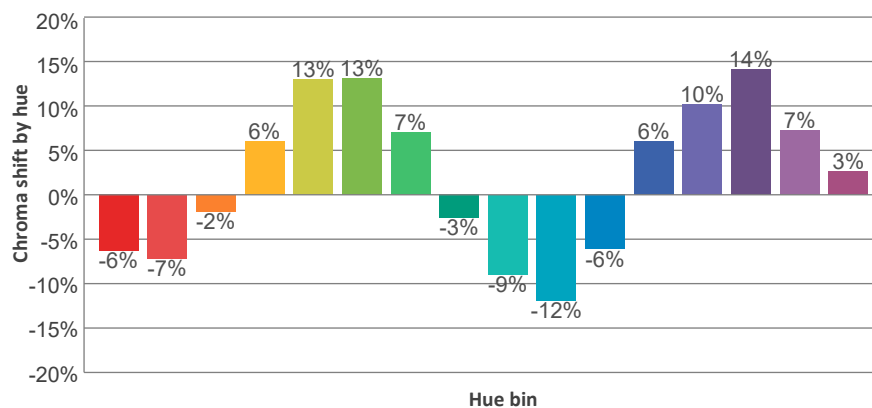
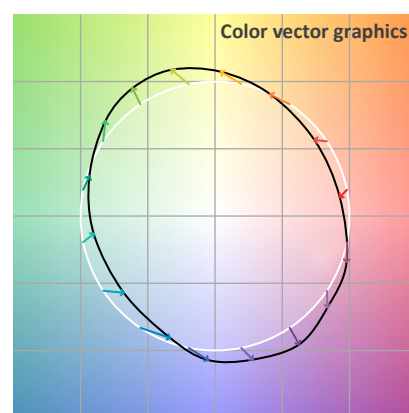
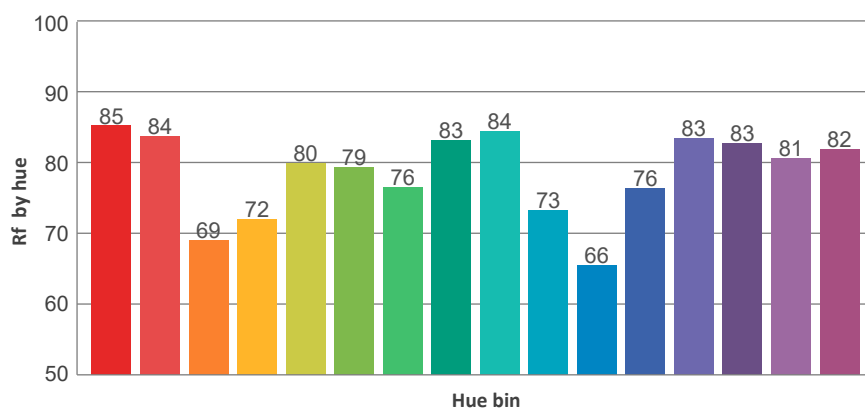
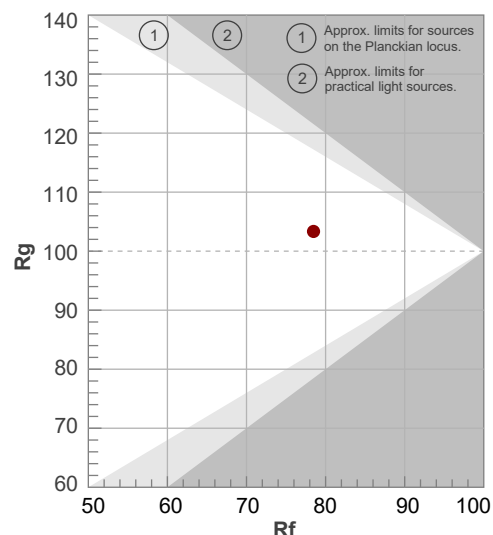
**Rf 78,5**

Fidelity index Rf

**Rg 103,3**

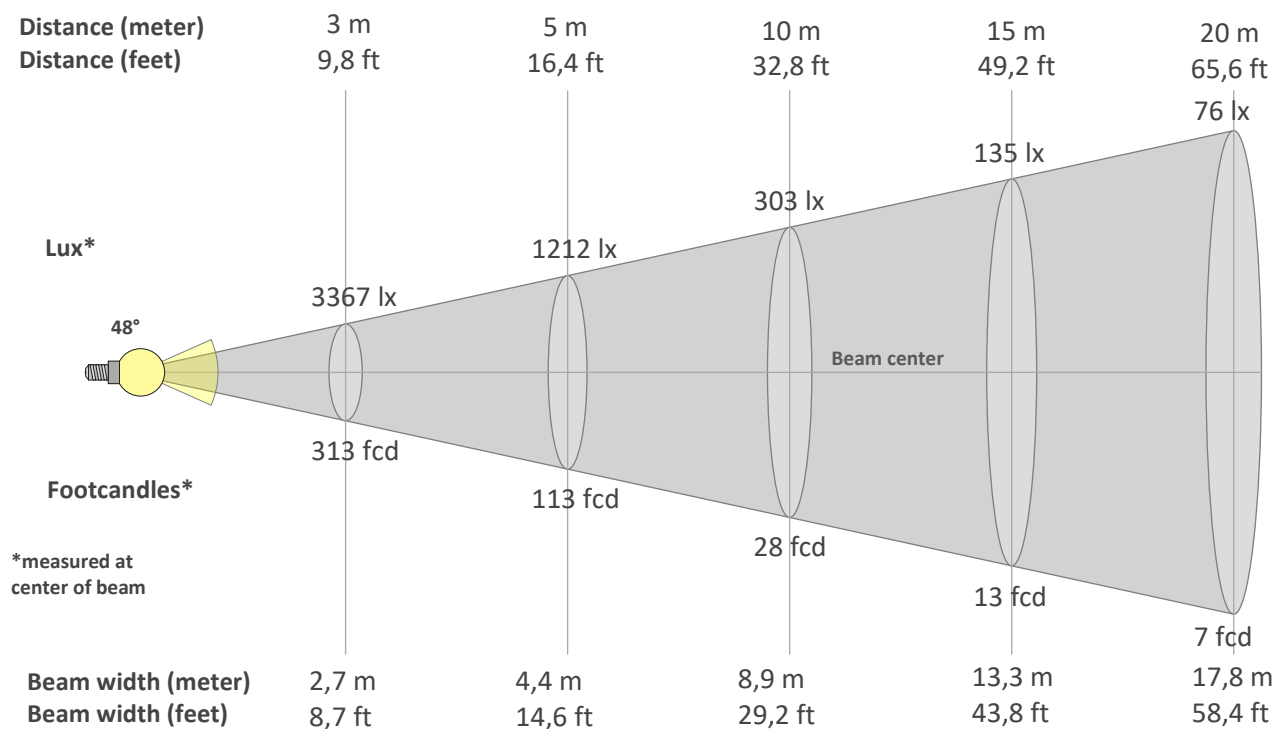
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 85             | -6%                | -4%  |
| 2       | 84             | -7%                | 6%   |
| 3       | 69             | -2%                | 16%  |
| 4       | 72             | 6%                 | 17%  |
| 5       | 80             | 13%                | 11%  |
| 6       | 79             | 13%                | -2%  |
| 7       | 76             | 7%                 | -13% |
| 8       | 83             | -3%                | -11% |
| 9       | 84             | -9%                | -5%  |
| 10      | 73             | -12%               | 10%  |
| 11      | 66             | -6%                | 22%  |
| 12      | 76             | 6%                 | 16%  |
| 13      | 83             | 10%                | 7%   |
| 14      | 83             | 14%                | -1%  |
| 15      | 81             | 7%                 | -10% |
| 16      | 82             | 3%                 | -14% |



## BEAM DETAILS

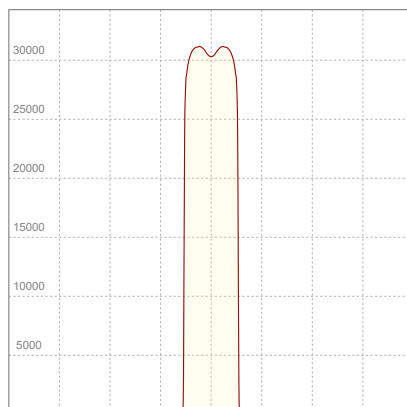
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 48°            | 49,2°           | 50,7°              | 99,7%                        | 99,6%                       |



### 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       | 30305lx | 7576lx | 3367lx | 1894lx | 1212lx | 539lx  | 303lx  | 135lx  | 76lx   | 48lx  | 34lx   | 19lx    | 12lx    |
| Footcand. | 2815fcd | 704fcd | 313fcd | 176fcd | 113fcd | 50fcd  | 28fcd  | 13fcd  | 7fcd   | 5fcd  | 3fcd   | 2fcd    | 1fcd    |
| Beam wid. | 0,9m    | 1,8m   | 2,7m   | 3,6m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,8m  | 22,2m | 26,7m  | 35,6m   | 44,5m   |
| Beam wid. | 2,9ft   | 5,9ft  | 8,7ft  | 11,7ft | 14,6ft | 21,9ft | 29,2ft | 43,8ft | 58,4ft | 73ft  | 87,5ft | 116,7ft | 145,9ft |

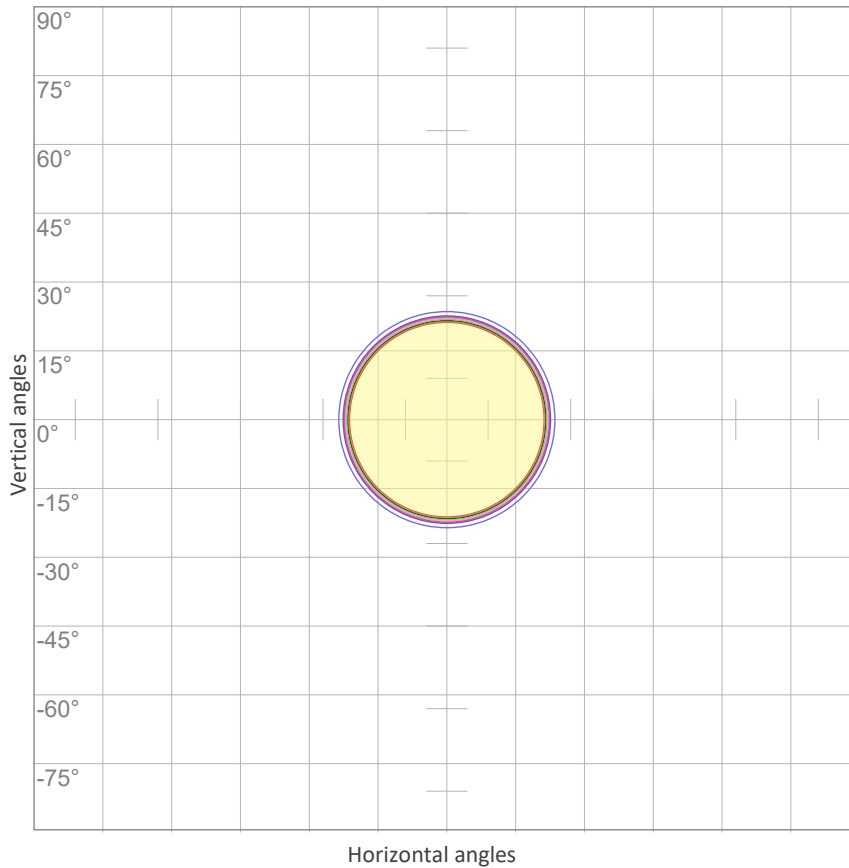
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 226V          | 3,79A         | 838,4W      | 0,98     | 20lm/W     |

## ISO CANDELA DIAGRAM



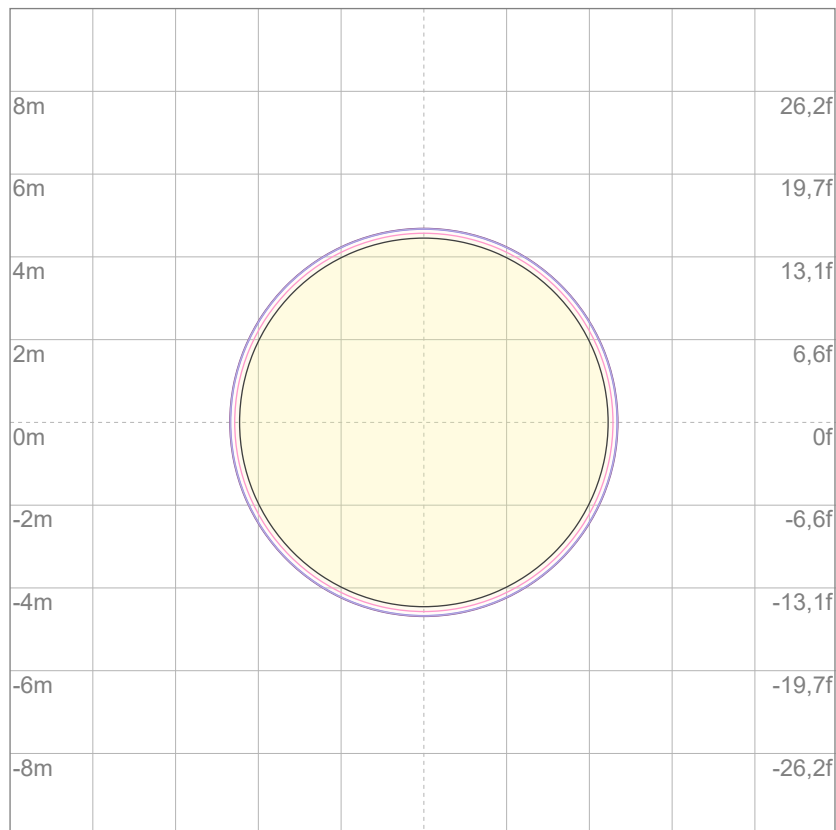
|     |          |
|-----|----------|
| 10% | 3031 cd  |
| 20% | 6061 cd  |
| 30% | 9092 cd  |
| 40% | 12122 cd |
| 50% | 15153 cd |
| 60% | 18183 cd |
| 70% | 21214 cd |
| 80% | 24244 cd |
| 90% | 27275 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 30305 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 9,09 lx |
| 5%  | 15,2 lx |
| 10% | 30,3 lx |
| 30% | 90,9 lx |
| 50% | 152 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 303 lx

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



Total lumen output:

17598 lm

Peak candela output:

231246 cd

Light quality:

CRI: 81,0

Color temperature:

3238 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

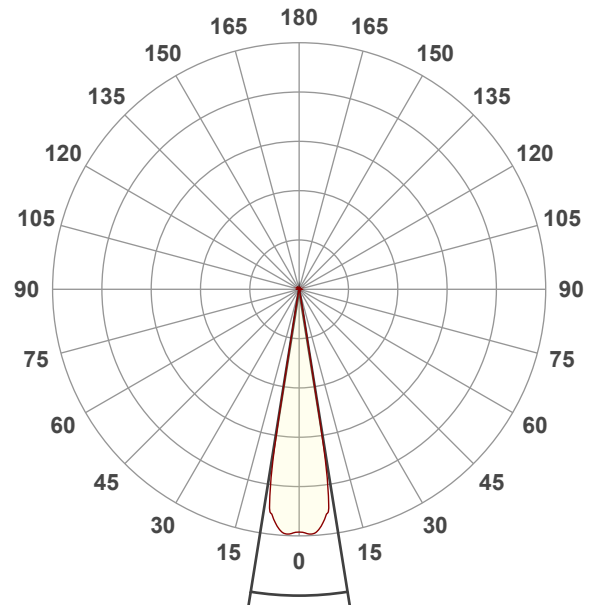
3200K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:36:52

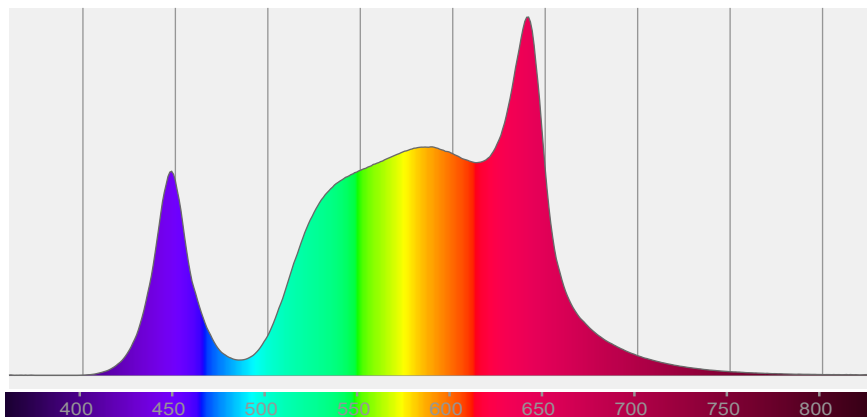


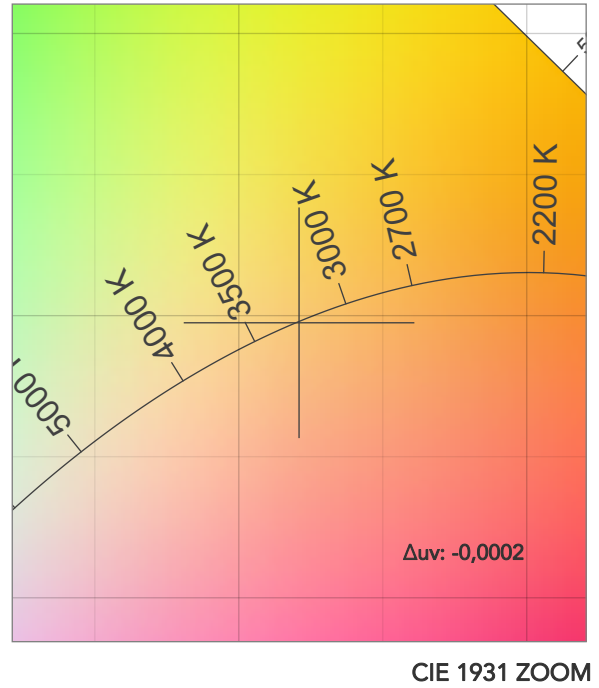
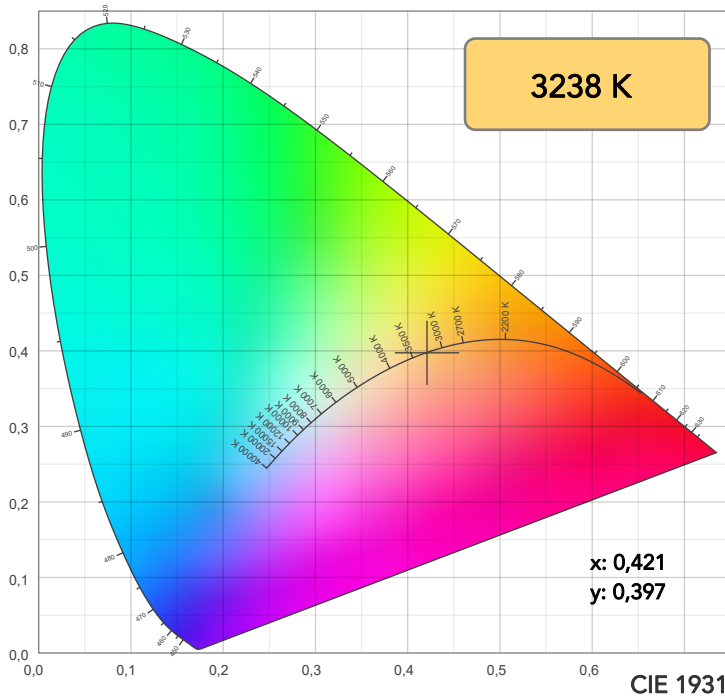
Beam angle 50%: 18,2°

Field angle 10%: 19,6°

Cut off angle 2.5%: 21°

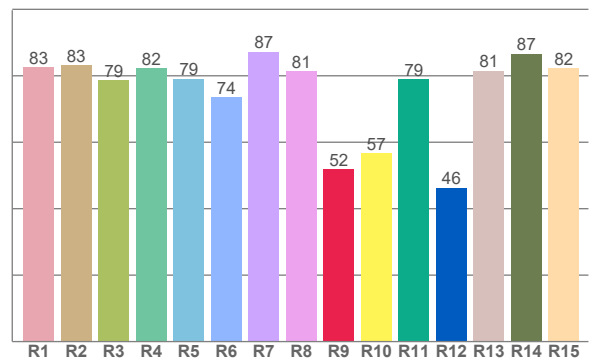
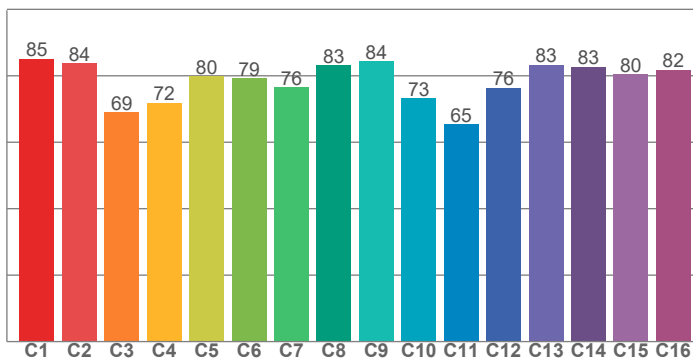
**Spectra**





TM30: 78,4

CRI: 81,0 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,6 | 83,1 | 78,7 | 82,2 | 79,1 | 73,6 | 87,2 | 81,5 | 51,9 | 56,6 | 78,9 | 46,3 | 81,5 | 86,7 | 82,3 |

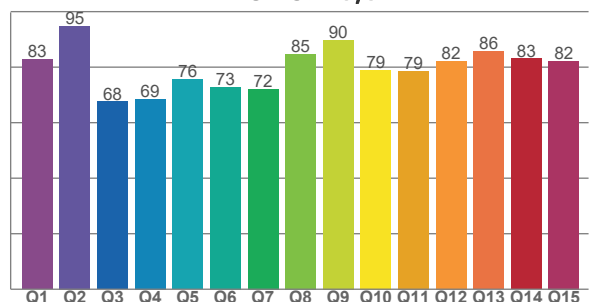
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 85,1 | 83,7 | 69,0 | 71,9 | 79,9 | 79,2 | 76,5 | 83,2 | 84,4 | 73,2 | 65,3 | 76,3 | 83,4 | 82,6 | 80,5 | 81,7 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 82,8 | 94,7 | 67,5 | 68,5 | 75,6 | 72,8 | 72,2 | 84,7 | 89,7 | 79,0 | 78,7 | 82,2 | 85,7 | 83,1 | 82,2 |

CQS: 78,6



## COLOR PARAMETERS

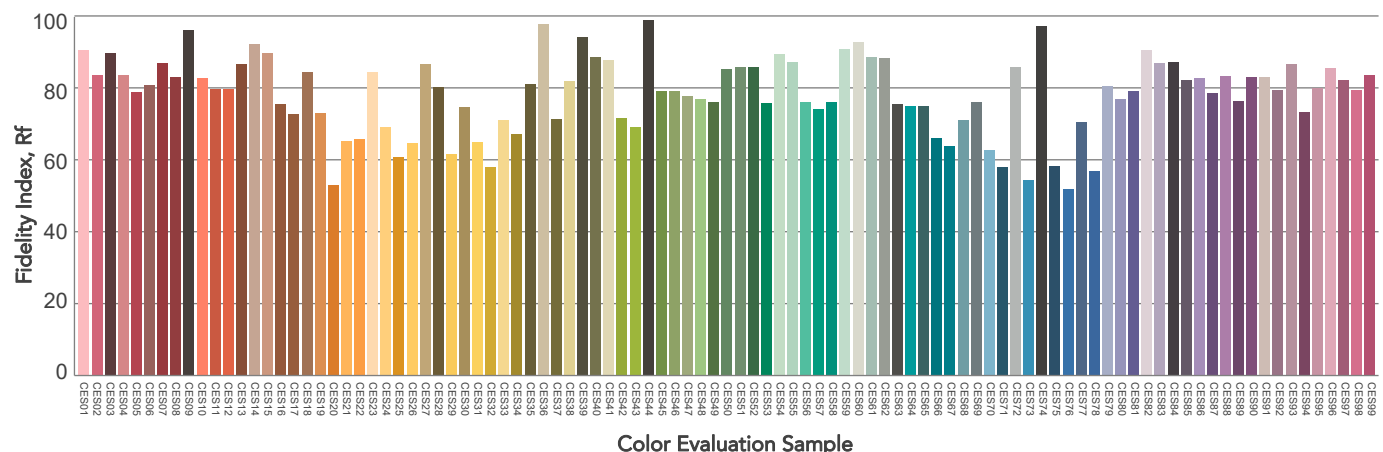
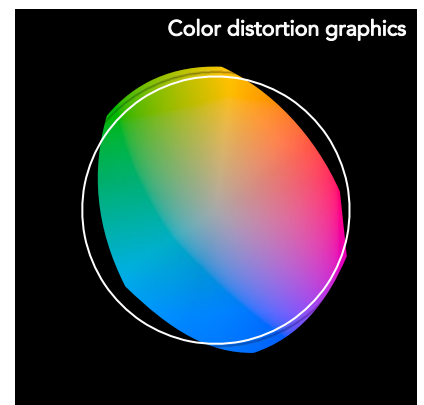
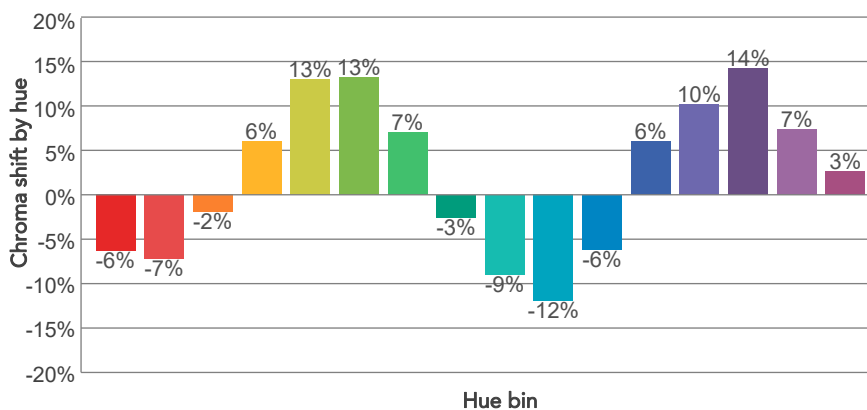
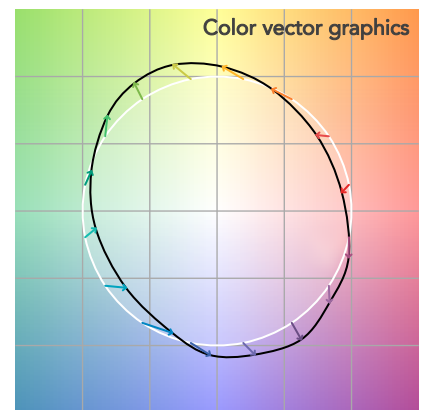
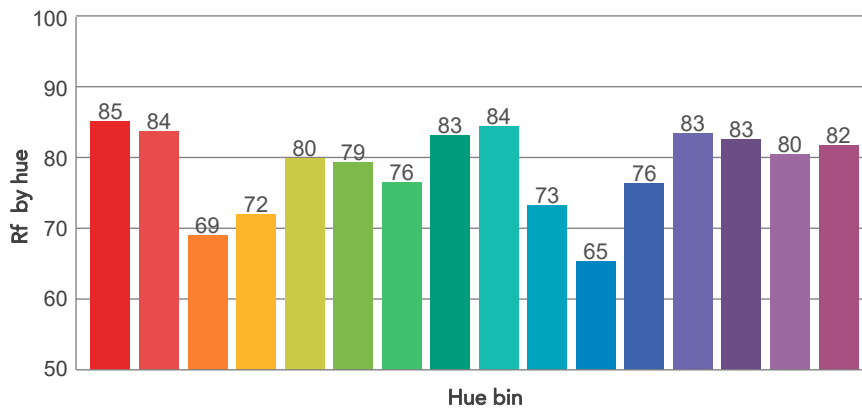
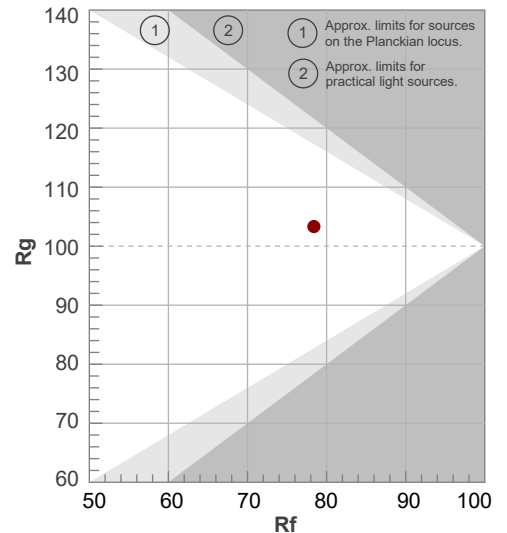
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | TLCI                      | x                         | y                         | Δuv                             |
| 3238 K            | 81,0                  | 51,9          | 78,4           | 103,3       | 78,6                | 60                        | 0,421                     | 0,397                     | -0,0002                         |

# TM30 DETAILS

**Rf 78,4**  
Fidelity index Rf

**Rg 103,3**  
Gammut index

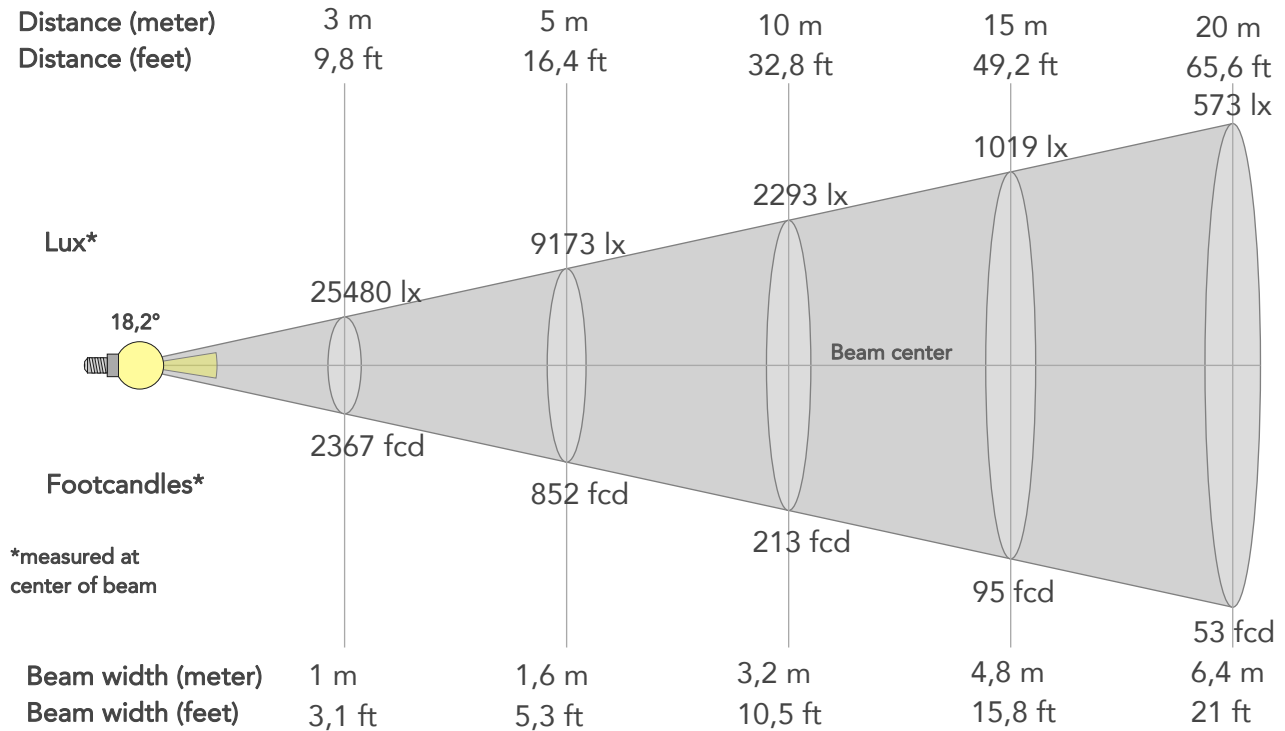
| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 85             | -6%                | -4%  |
| 2       | 84             | -7%                | 6%   |
| 3       | 69             | -2%                | 16%  |
| 4       | 72             | 6%                 | 17%  |
| 5       | 80             | 13%                | 11%  |
| 6       | 79             | 13%                | -2%  |
| 7       | 76             | 7%                 | -13% |
| 8       | 83             | -3%                | -11% |
| 9       | 84             | -9%                | -5%  |
| 10      | 73             | -12%               | 10%  |
| 11      | 65             | -6%                | 23%  |
| 12      | 76             | 6%                 | 16%  |
| 13      | 83             | 10%                | 7%   |
| 14      | 83             | 14%                | -1%  |
| 15      | 80             | 7%                 | -10% |
| 16      | 82             | 3%                 | -15% |





## BEAM DETAILS

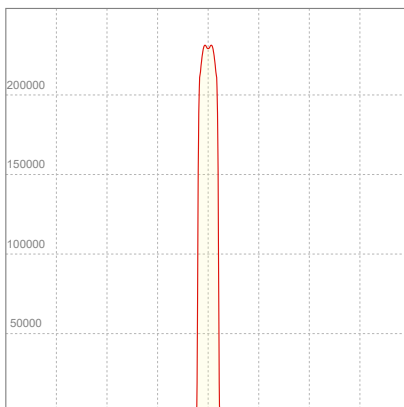
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18,2°          | 19,6°           | 21°                | 99,5%                        | 99,4%                       |



### 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       | 229321lx | 57330lx | 25480lx | 14333lx | 9173lx | 4077lx | 2293lx | 1019lx | 573lx  | 367lx  | 255lx  | 143lx   | 92lx   |
| Footcand. | 21305fcd | 5326fcd | 2367fcd | 1332fcd | 852fcd | 379fcd | 213fcd | 95fcd  | 53fcd  | 34fcd  | 24fcd  | 13fcd   | 9fcd   |
| Beam wid. | 0,3m     | 0,6m    | 1m      | 1,3m    | 1,6m   | 2,4m   | 3,2m   | 4,8m   | 6,4m   | 8m     | 9,6m   | 12,8m   | 16m    |
| Beam wid. | 1,1ft    | 2,1ft   | 3,1ft   | 4,2ft   | 5,3ft  | 7,9ft  | 10,5ft | 15,8ft | 21ft   | 26,3ft | 31,5ft | 42ft    | 52,5ft |

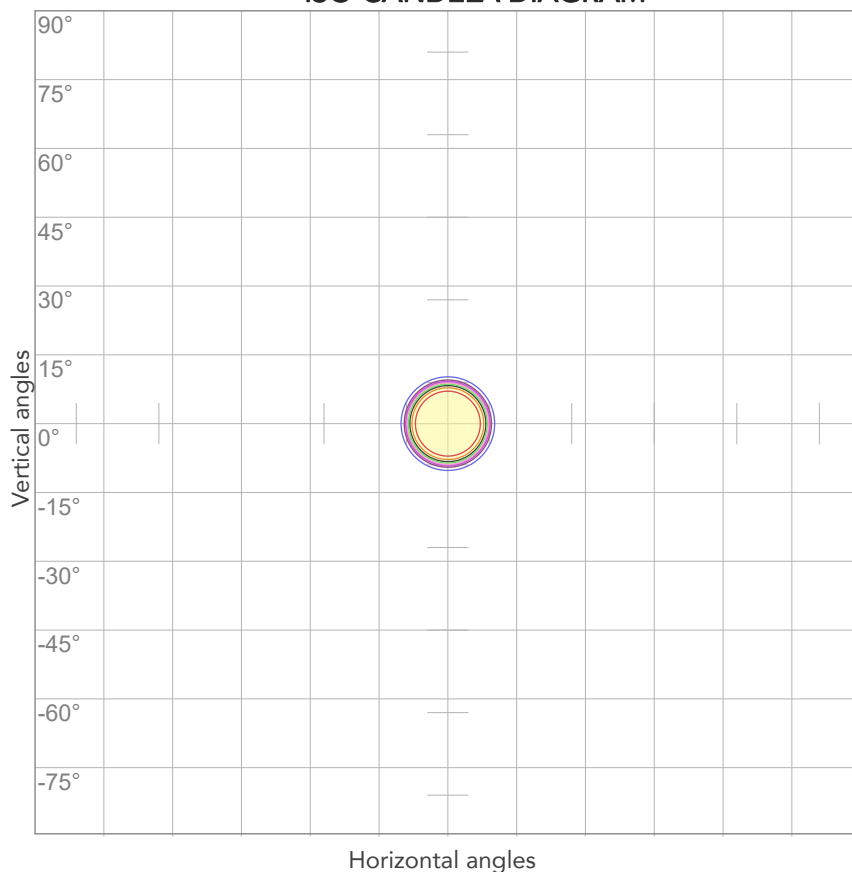
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 225V          | 3,83A         | 847,9W      | 0,98     | 21lm/W     |

## ISO CANDELA DIAGRAM



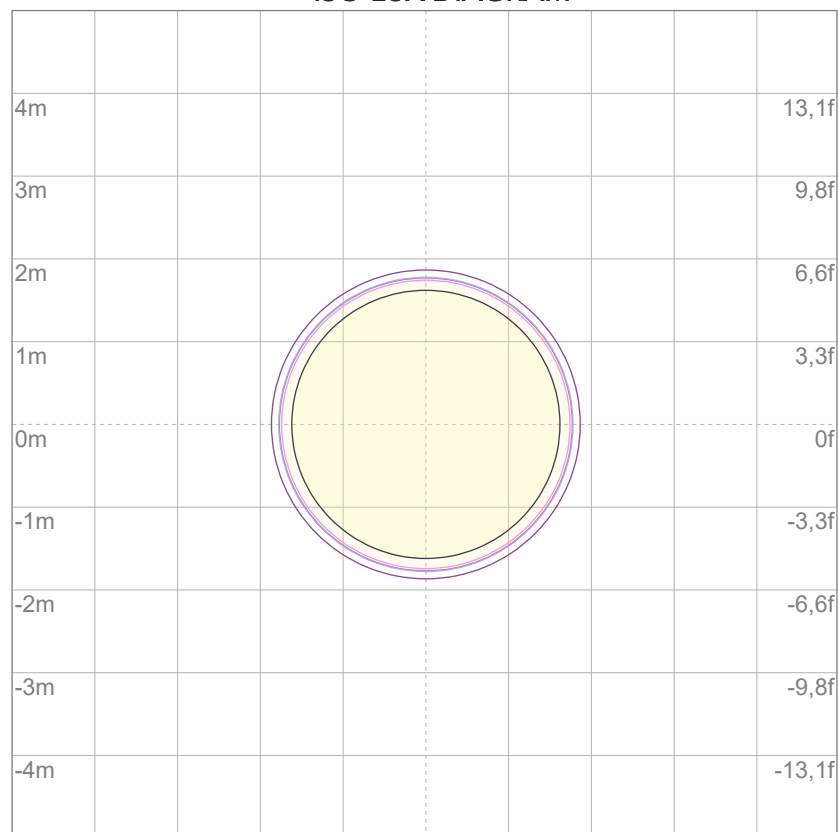
|     |           |
|-----|-----------|
| 10% | 22932 cd  |
| 20% | 45864 cd  |
| 30% | 68796 cd  |
| 40% | 91729 cd  |
| 50% | 114661 cd |
| 60% | 137593 cd |
| 70% | 160525 cd |
| 80% | 183457 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 229321 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 68,8 lx |
| 5%  | 115 lx  |
| 10% | 229 lx  |
| 30% | 688 lx  |
| 50% | 1147 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 2293 lx

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



Total lumen output:

11677 lm

Peak candela output:

1348052 cd

Light quality:

CRI: 82,1

Color temperature:

3211 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

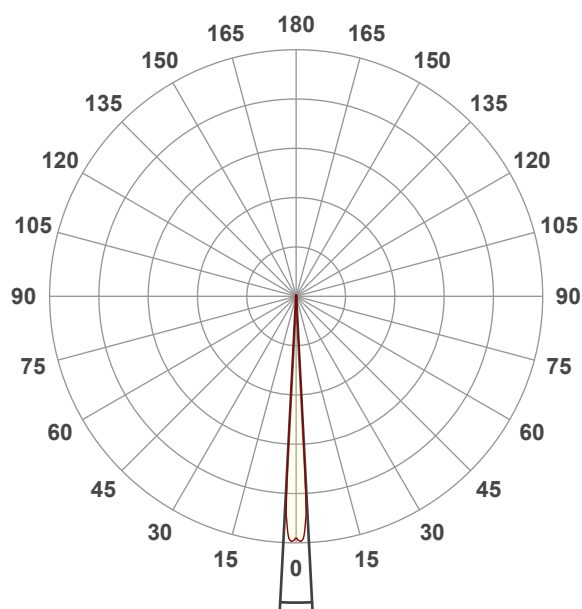
3200K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 14:48:19

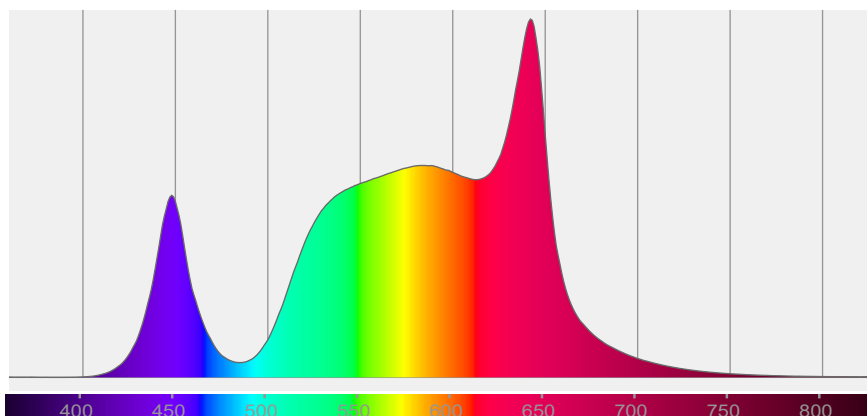


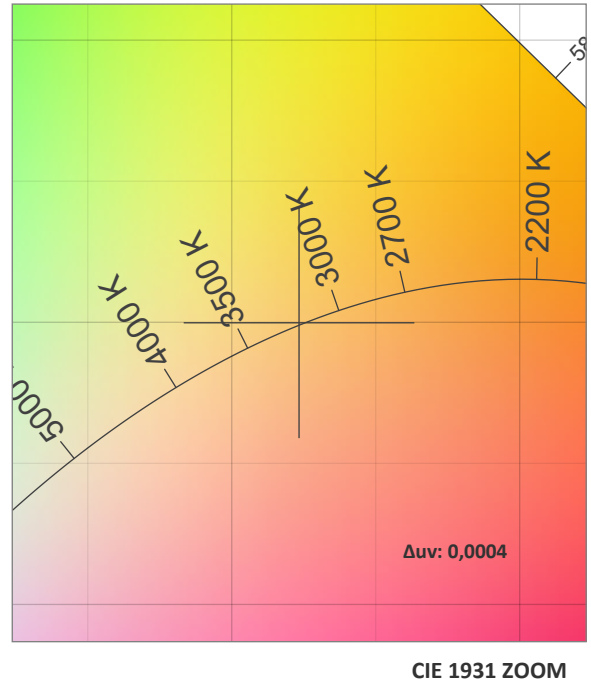
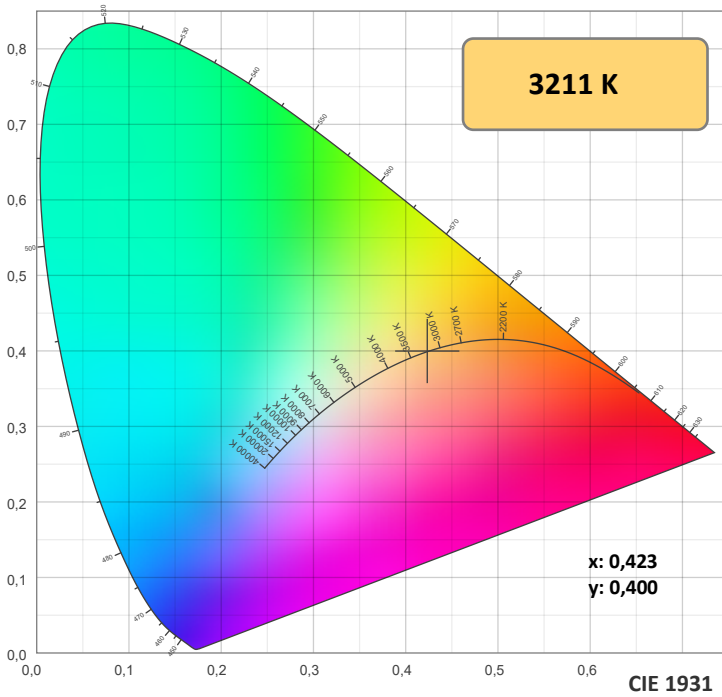
Beam angle 50%: 6°

Field angle 10%: 6,3°

Cut off angle 2.5%: 6,7°

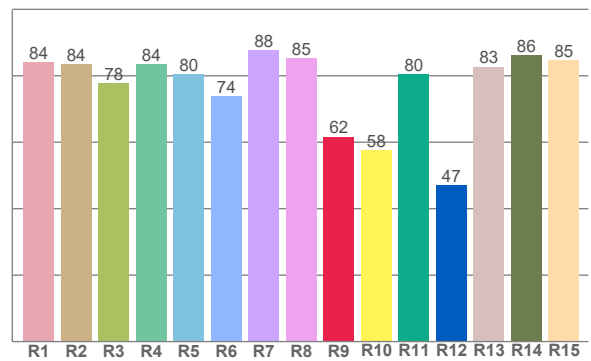
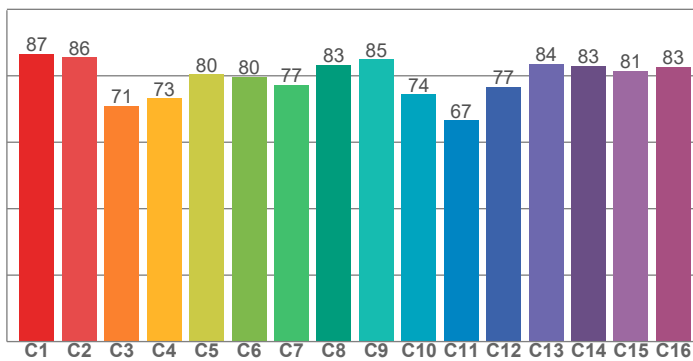
**Spectra**





**TM30: 79,4**

**CRI: 82,1 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 84,1 | 83,6 | 77,8 | 83,6 | 80,5 | 73,9 | 87,7 | 85,2 | 61,7 | 57,7 | 80,4 | 47,0 | 82,7 | 86,2 | 84,7 |

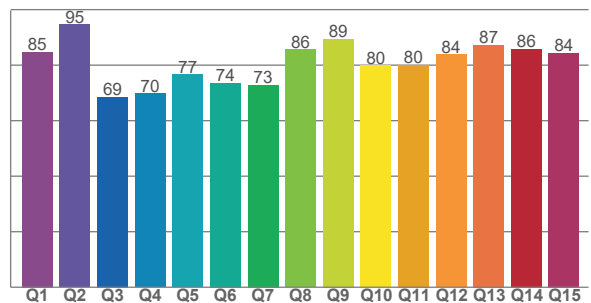
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 86,6 | 85,6 | 71,0 | 73,2 | 80,4 | 79,7 | 77,3 | 83,4 | 85,0 | 74,4 | 66,5 | 76,6 | 83,6 | 83,1 | 81,5 | 82,7 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 84,7 | 94,7 | 68,6 | 69,9 | 76,7 | 73,5 | 72,9 | 85,5 | 89,3 | 79,8 | 80,0 | 83,8 | 87,3 | 85,8 | 84,4 |

**CQS: 79,7**



## 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                             |
| 3211 K            | 82,1                  | 61,7          | 79,4           | 103,9       | 79,7                | 63                        | 0,423                     | 0,400                     | 0,0004                          |

## TM30 DETAILS

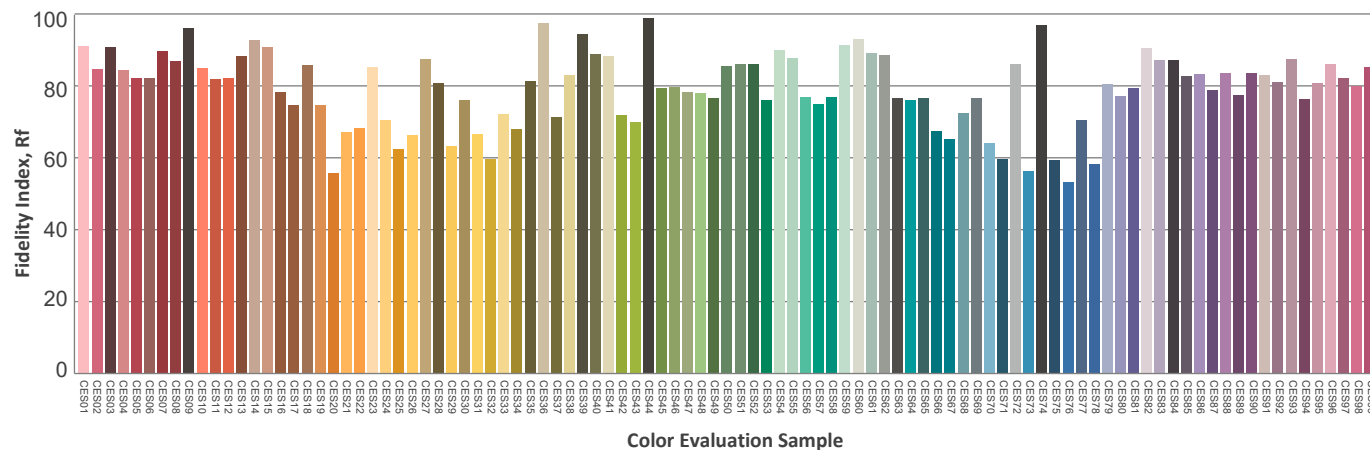
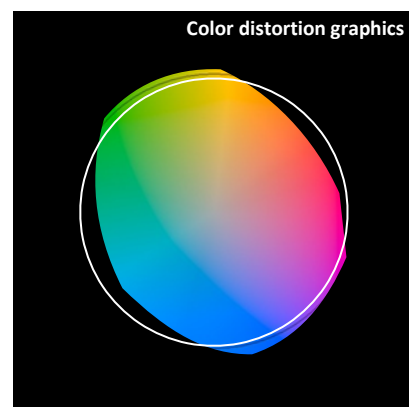
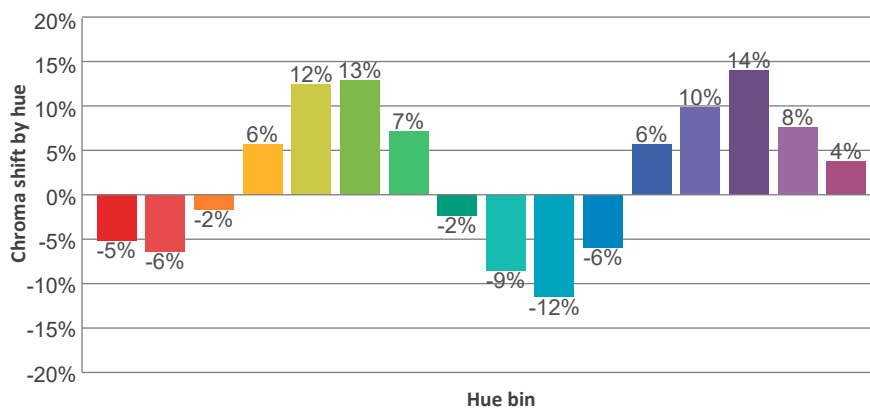
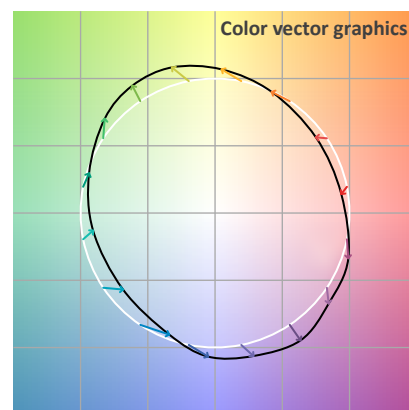
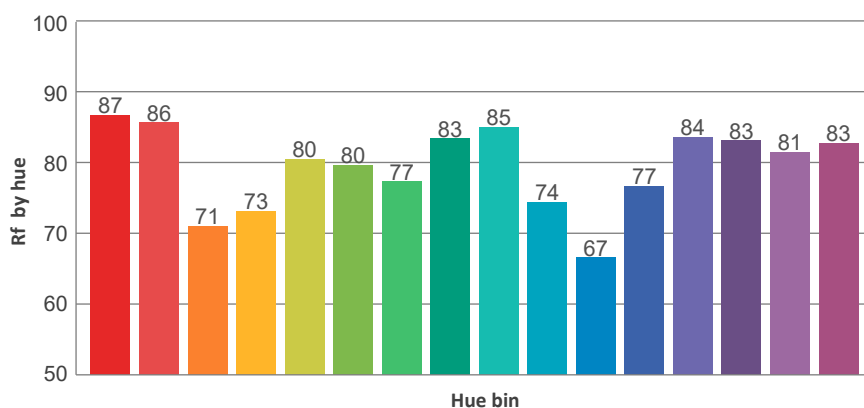
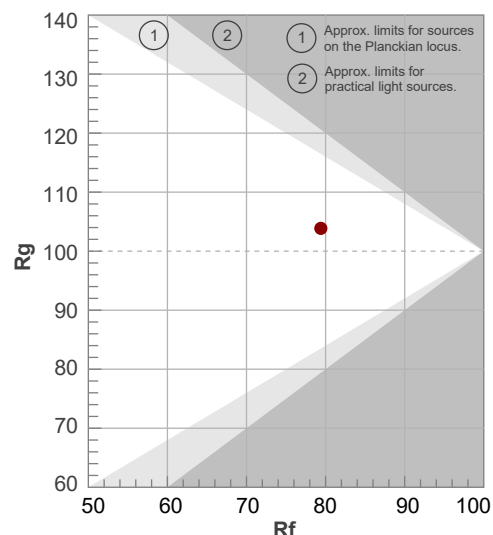
**Rf 79,4**

Fidelity index Rf

**Rg 103,9**

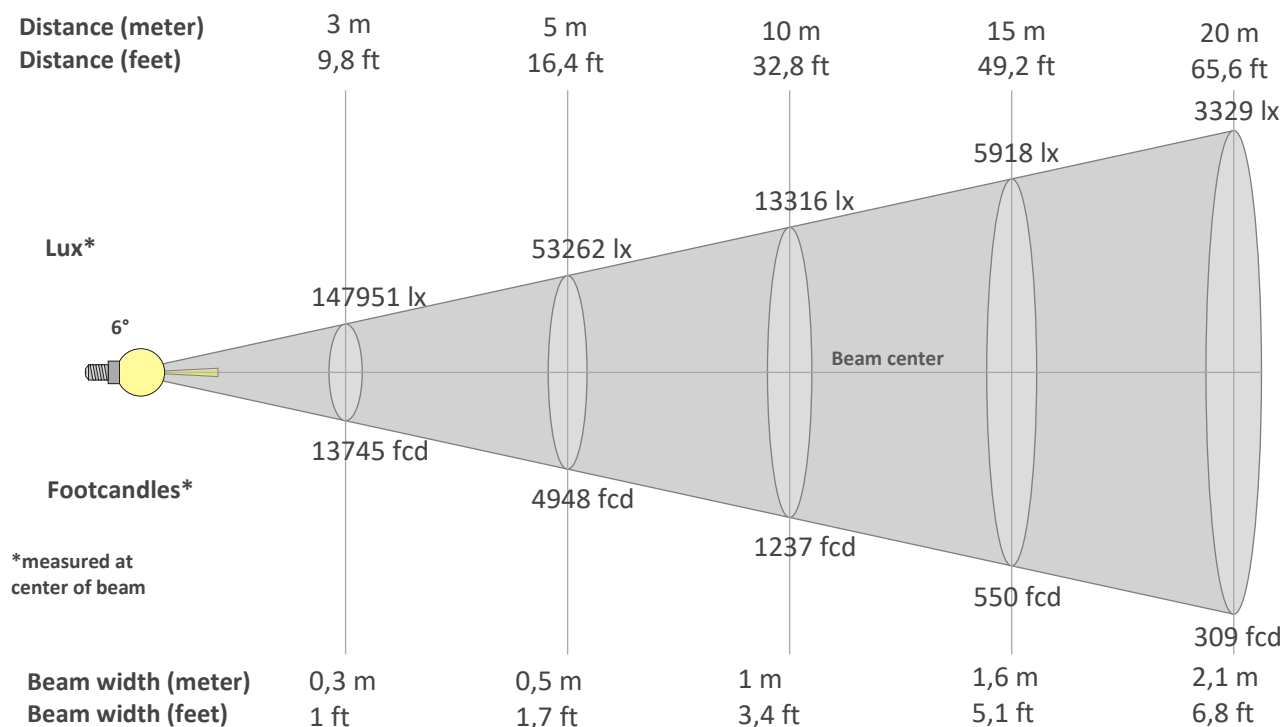
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 87             | -5%                | -4%  |
| 2       | 86             | -6%                | 5%   |
| 3       | 71             | -2%                | 15%  |
| 4       | 73             | 6%                 | 16%  |
| 5       | 80             | 12%                | 10%  |
| 6       | 80             | 13%                | -1%  |
| 7       | 77             | 7%                 | -13% |
| 8       | 83             | -2%                | -11% |
| 9       | 85             | -9%                | -5%  |
| 10      | 74             | -12%               | 9%   |
| 11      | 67             | -6%                | 22%  |
| 12      | 77             | 6%                 | 16%  |
| 13      | 84             | 10%                | 7%   |
| 14      | 83             | 14%                | 0%   |
| 15      | 81             | 8%                 | -9%  |
| 16      | 83             | 4%                 | -14% |



## BEAM DETAILS

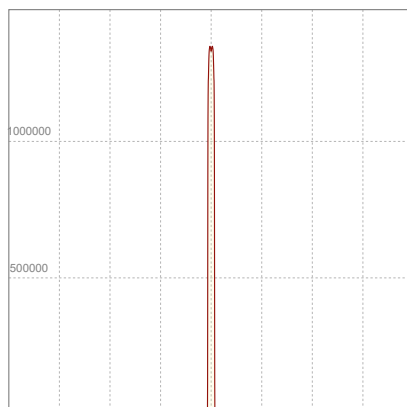
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 6°             | 6,3°            | 6,7°               | 96,9%                        | 95,6%                       |



### 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       | 1331557lx | 332889lx | 147951lx | 83222lx | 53262lx | 23672lx | 13316lx | 5918lx | 3329lx | 2130lx | 1480lx | 832lx   | 533lx  |
| Footcand. | 123706fcd | 30926fcd | 13745fcd | 7732fcd | 4948fcd | 2199fcd | 1237fcd | 550fcd | 309fcd | 198fcd | 137fcd | 77fcd   | 49fcd  |
| Beam wid. | 0,1m      | 0,2m     | 0,3m     | 0,4m    | 0,5m    | 0,8m    | 1m      | 1,6m   | 2,1m   | 2,6m   | 3,1m   | 4,2m    | 5,2m   |
| Beam wid. | 0,3ft     | 0,7ft    | 1ft      | 1,4ft   | 1,7ft   | 2,6ft   | 3,4ft   | 5,1ft  | 6,8ft  | 8,5ft  | 10,2ft | 13,7ft  | 17,1ft |

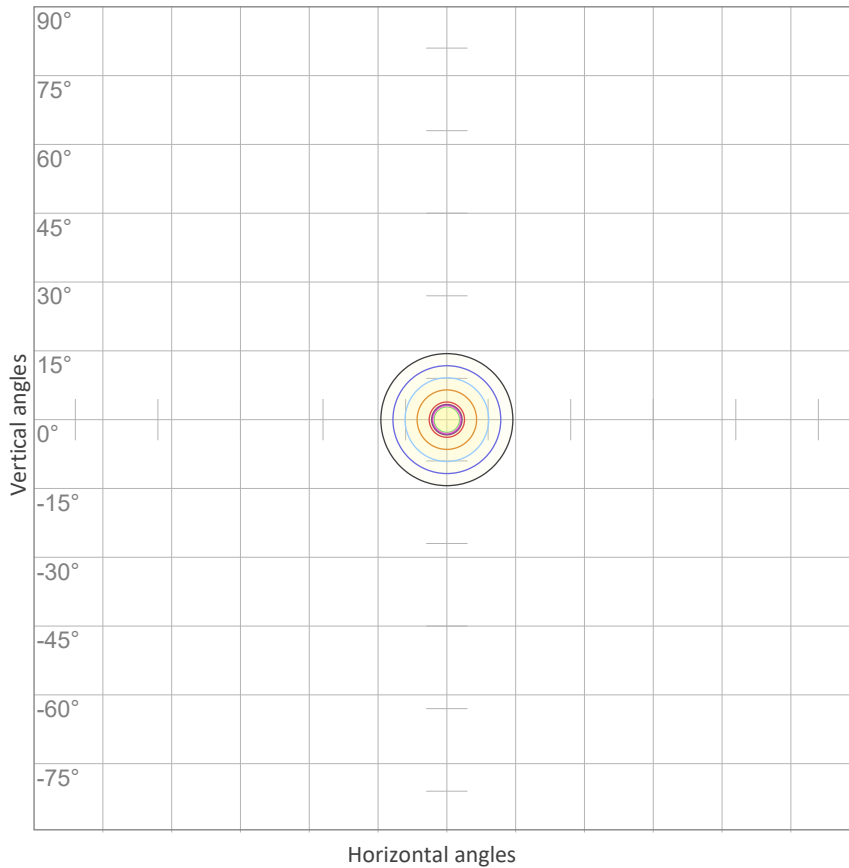
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 226V          | 3,87A         | 858,7W      | 0,98     | 14lm/W     |

## ISO CANDELA DIAGRAM



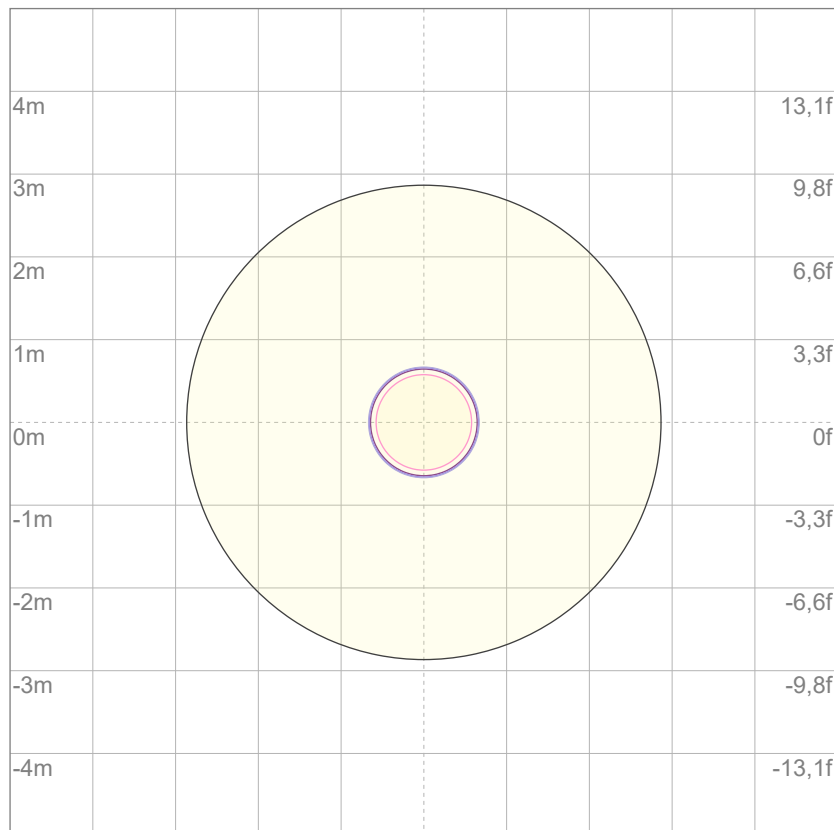
|     |            |
|-----|------------|
| 10% | 133156 cd  |
| 20% | 266311 cd  |
| 30% | 399467 cd  |
| 40% | 532623 cd  |
| 50% | 665778 cd  |
| 60% | 798934 cd  |
| 70% | 932090 cd  |
| 80% | 1065246 cd |
| 90% | 1198401 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1331557 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 399 lx  |
| 5%  | 666 lx  |
| 10% | 1332 lx |
| 30% | 3995 lx |
| 50% | 6658 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 13,3K lx

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



Total lumen output:

19272 lm

Peak candela output:

36406 cd

Light quality:

CRI: 84,5

Color temperature:

4006 K

## PRODUCT NAME:

MUSEP70CTP

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

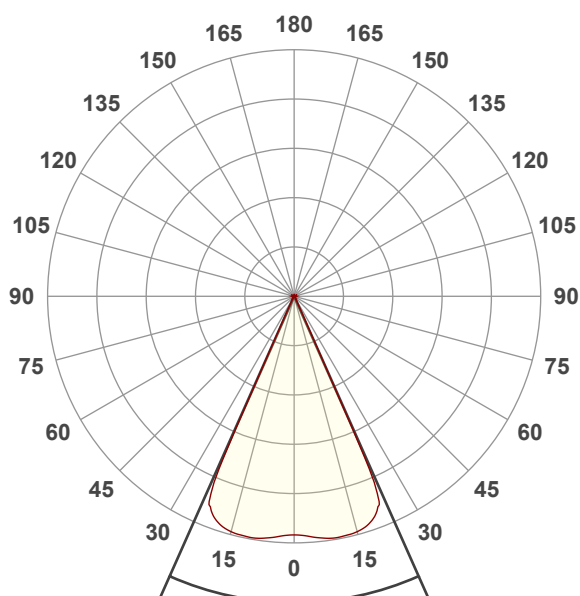
4000K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 16:20:18

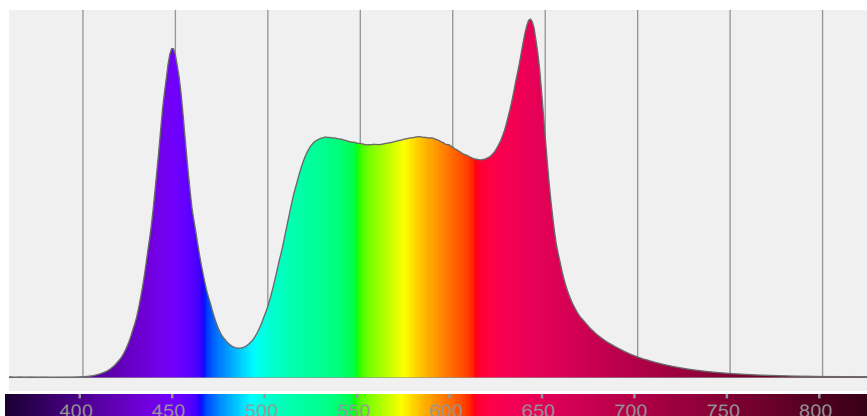


Beam angle 50%: 48°

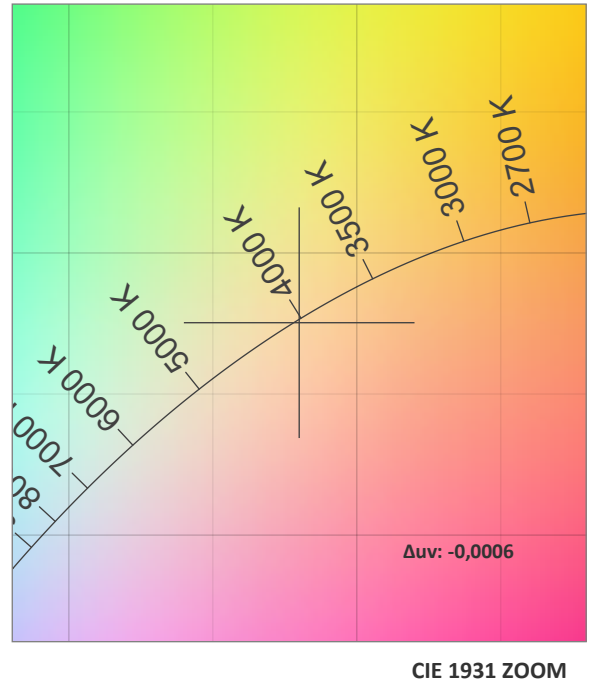
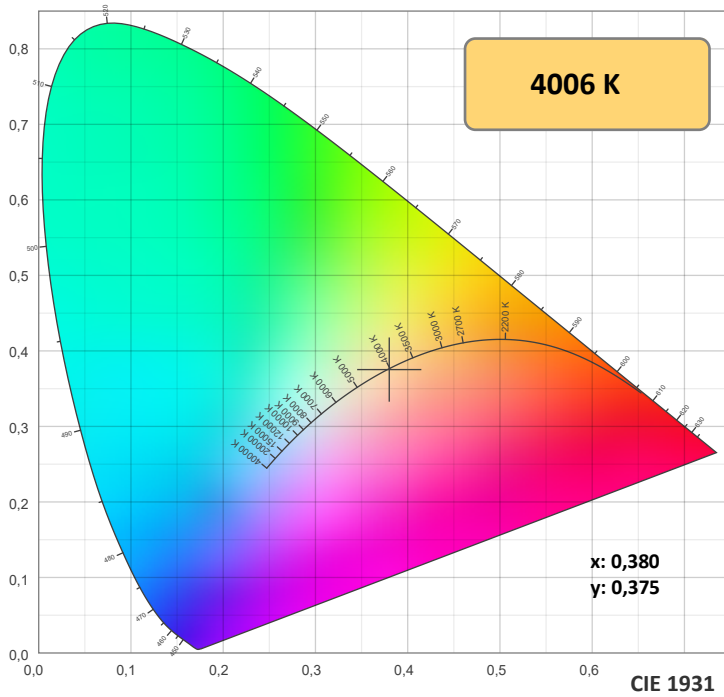
Field angle 10%: 49,3°

Cut off angle 2.5%: 50,8°

## Spectra

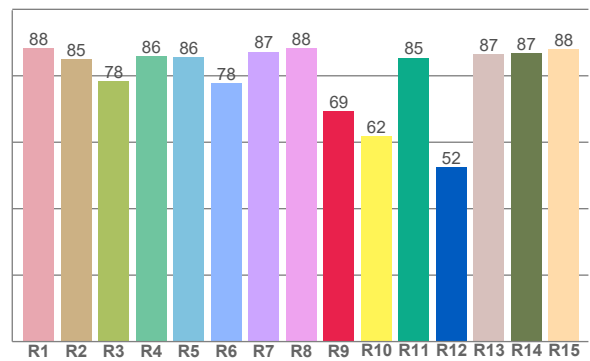
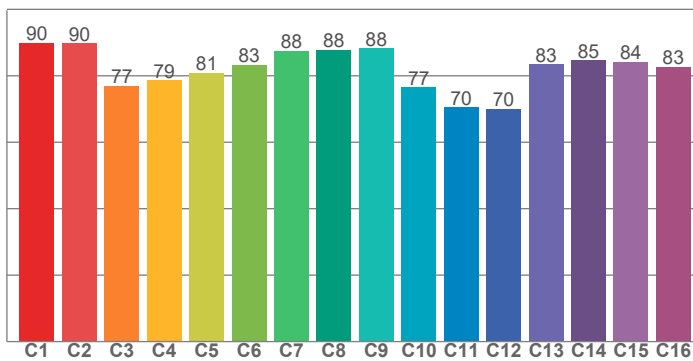






**TM30: 82,1**

**CRI: 84,5 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88,3 | 84,9 | 78,3 | 86,0 | 85,6 | 77,7 | 87,3 | 88,3 | 69,2 | 61,8 | 85,5 | 52,5 | 86,5 | 86,8 | 88,0 |

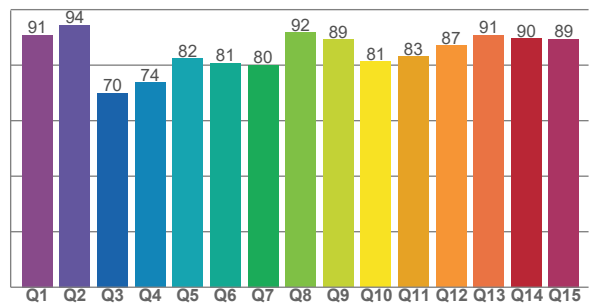
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89,9 | 89,8 | 77,0 | 78,6 | 81,0 | 83,3 | 87,5 | 87,8 | 88,2 | 76,6 | 70,5 | 70,1 | 83,4 | 84,7 | 84,2 | 82,7 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,8 | 94,4 | 70,0 | 73,7 | 82,4 | 80,7 | 80,1 | 91,7 | 89,3 | 81,4 | 83,1 | 87,1 | 90,8 | 89,7 | 89,5 |

**CQS: 83,5**



## 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                         | $\Delta uv$                     |
| 4006 K            | 84,5                  | 69,2          | 82,1           | 103,8       | 83,5                | 71                        | 0,380                     | 0,375                     | -0,0006                         |

## TM30 DETAILS

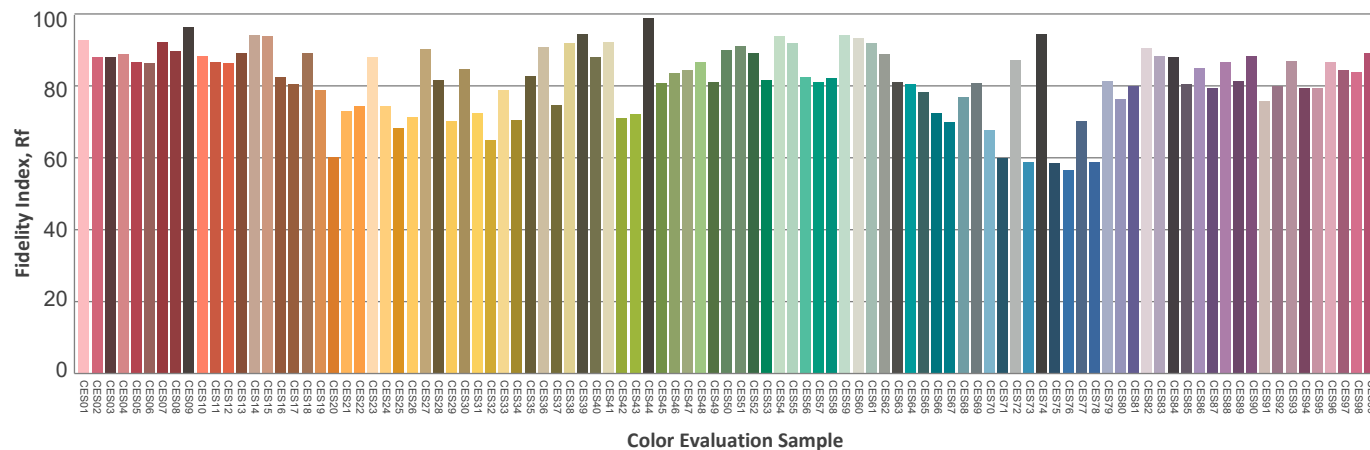
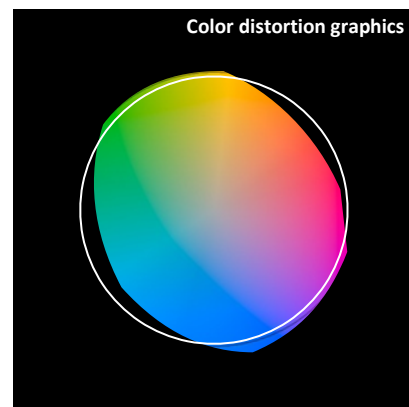
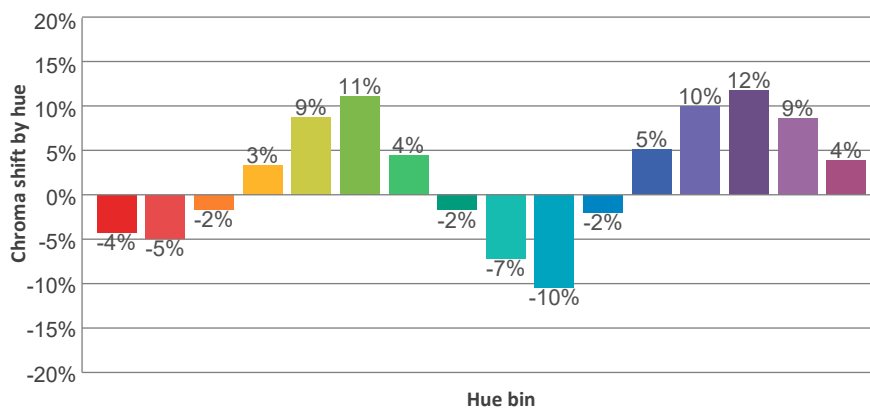
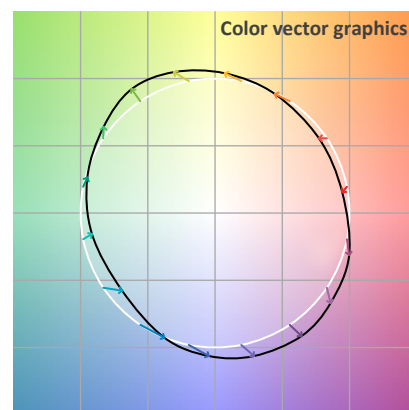
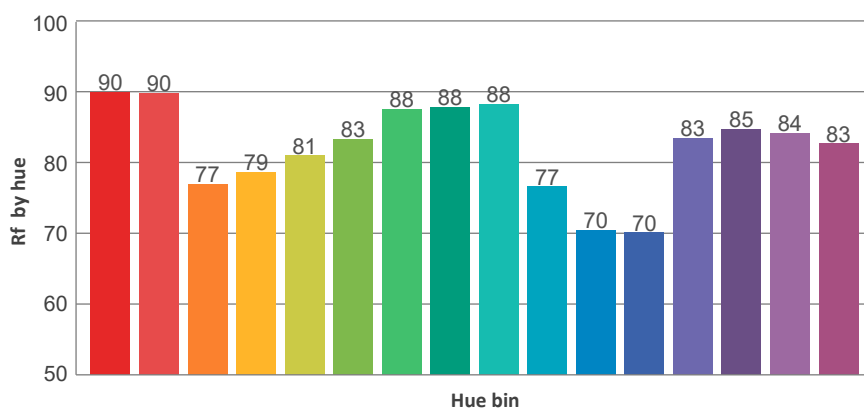
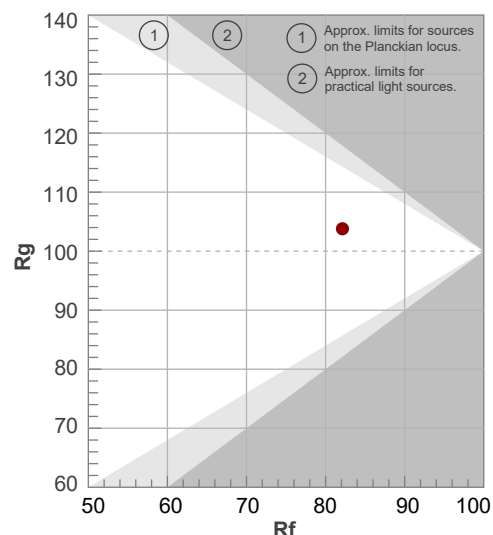
**Rf 82,1**

Fidelity index Rf

**Rg 103,8**

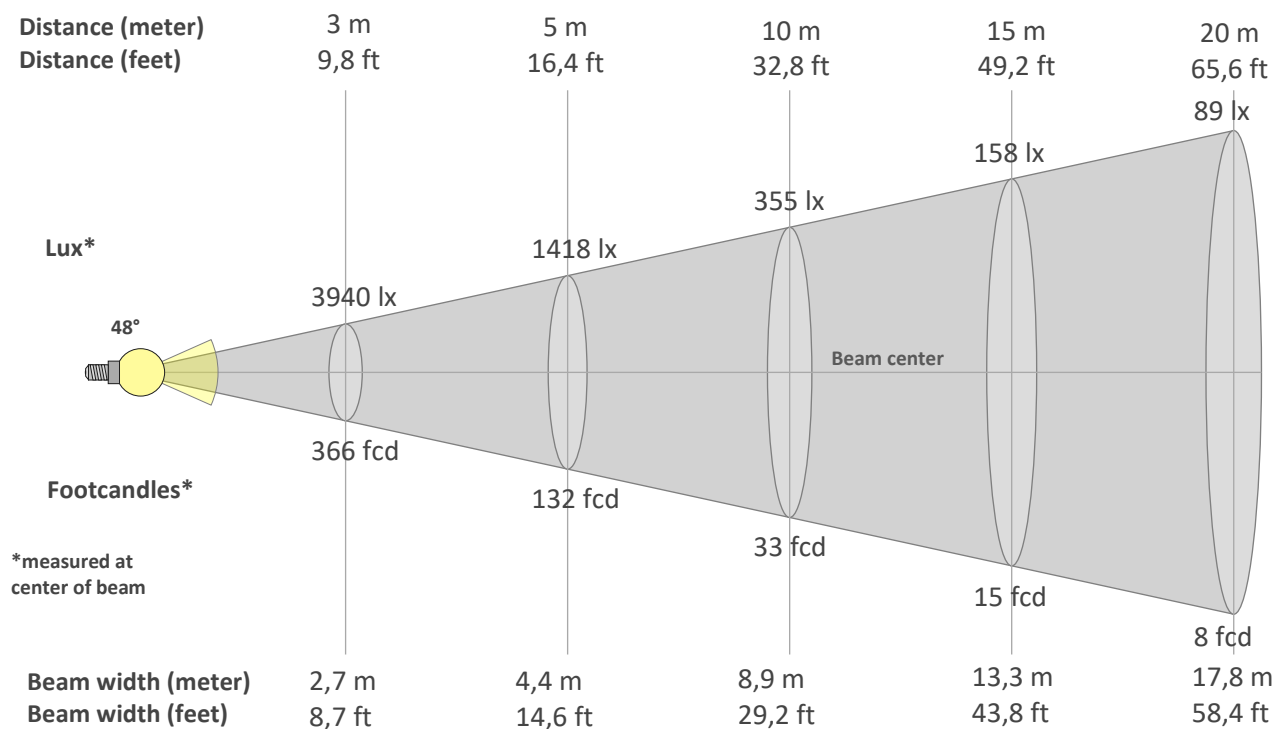
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 90             | -4%                | -3%  |
| 2       | 90             | -5%                | 3%   |
| 3       | 77             | -2%                | 12%  |
| 4       | 79             | 3%                 | 13%  |
| 5       | 81             | 9%                 | 10%  |
| 6       | 83             | 11%                | 0%   |
| 7       | 88             | 4%                 | -7%  |
| 8       | 88             | -2%                | -7%  |
| 9       | 88             | -7%                | -3%  |
| 10      | 77             | -10%               | 10%  |
| 11      | 70             | -2%                | 20%  |
| 12      | 70             | 5%                 | 16%  |
| 13      | 83             | 10%                | 8%   |
| 14      | 85             | 12%                | 3%   |
| 15      | 84             | 9%                 | -8%  |
| 16      | 83             | 4%                 | -11% |



## BEAM DETAILS

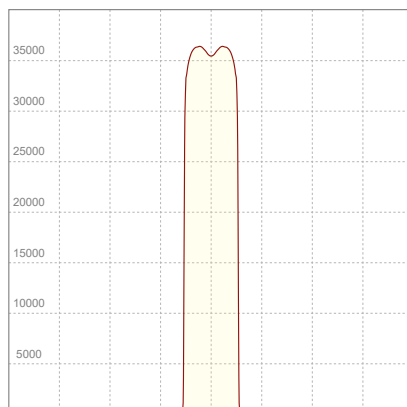
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 48°            | 49,3°           | 50,8°              | 99,8%                        | 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       | 35458lx | 8865lx | 3940lx | 2216lx | 1418lx | 630lx  | 355lx  | 158lx  | 89lx   | 57lx   | 39lx   | 22lx    | 14lx    |
| Footcand. | 3294fcd | 824fcd | 366fcd | 206fcd | 132fcd | 59fcd  | 33fcd  | 15fcd  | 8fcd   | 5fcd   | 4fcd   | 2fcd    | 1fcd    |
| Beam wid. | 0,9m    | 1,8m   | 2,7m   | 3,6m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,8m  | 22,2m  | 26,7m  | 35,6m   | 44,5m   |
| Beam wid. | 2,9ft   | 5,9ft  | 8,7ft  | 11,7ft | 14,6ft | 21,9ft | 29,2ft | 43,8ft | 58,4ft | 72,9ft | 87,5ft | 116,7ft | 145,9ft |

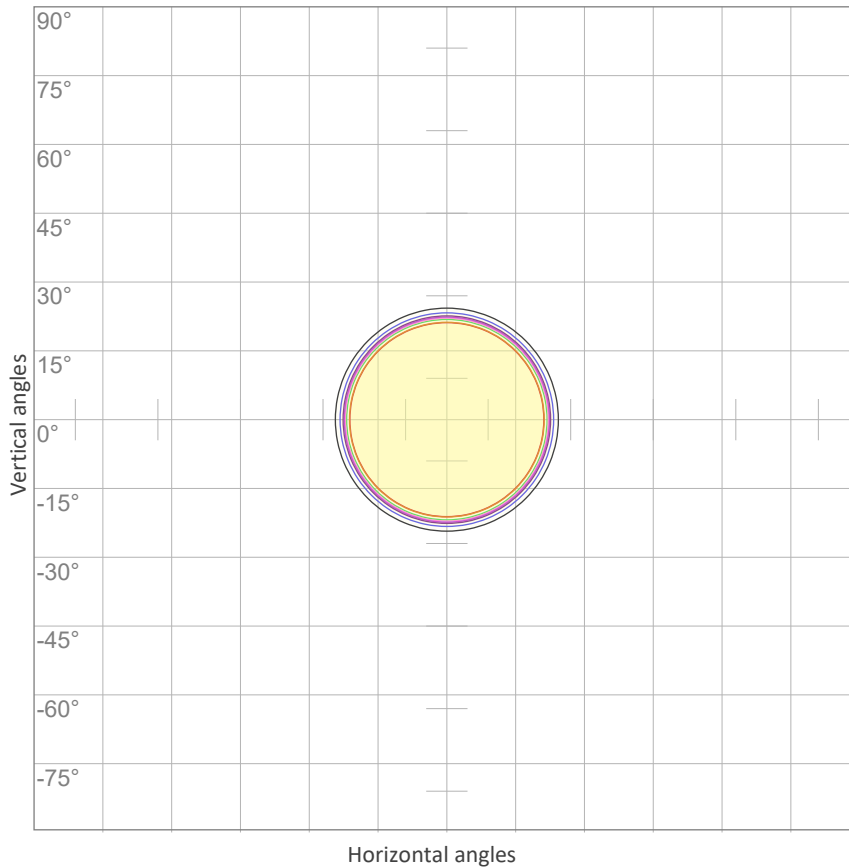
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 225V          | 4,64A         | 1029,4W     | 0,98     | 19lm/W     |

## ISO CANDELA DIAGRAM



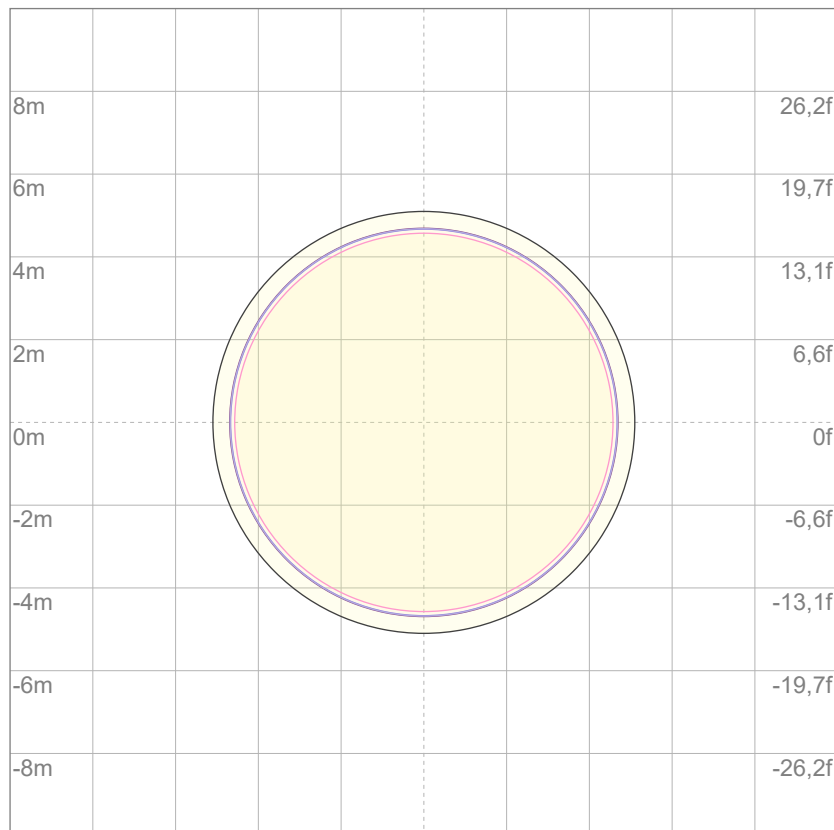
|     |          |
|-----|----------|
| 10% | 3546 cd  |
| 20% | 7092 cd  |
| 30% | 10637 cd |
| 40% | 14183 cd |
| 50% | 17729 cd |
| 60% | 21275 cd |
| 70% | 24821 cd |
| 80% | 28367 cd |
| 90% | 31912 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 35458 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 10,6 lx |
| 5%  | 17,7 lx |
| 10% | 35,5 lx |
| 30% | 106 lx  |
| 50% | 177 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 355 lx

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



Total lumen output:

18838 lm

Peak candela output:

250569 cd

Light quality:

CRI: 84,4

Color temperature:

4008 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

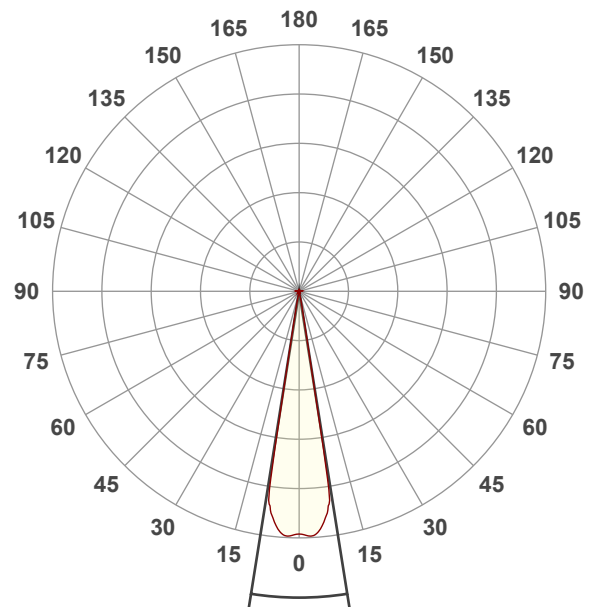
4000K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:29:51

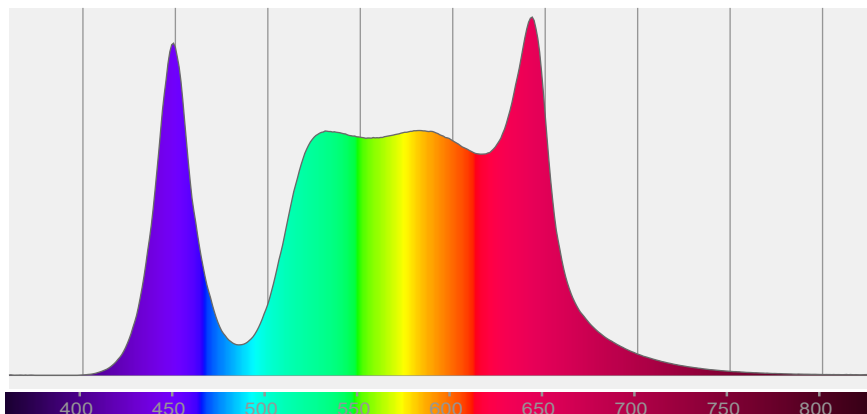


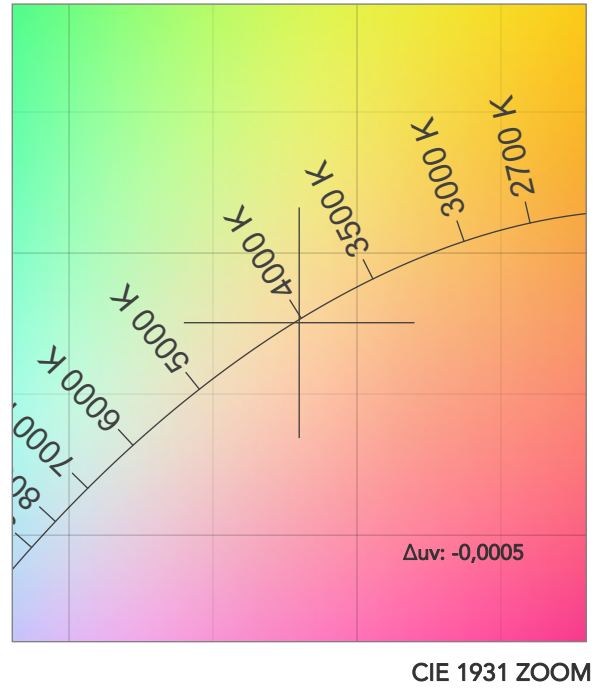
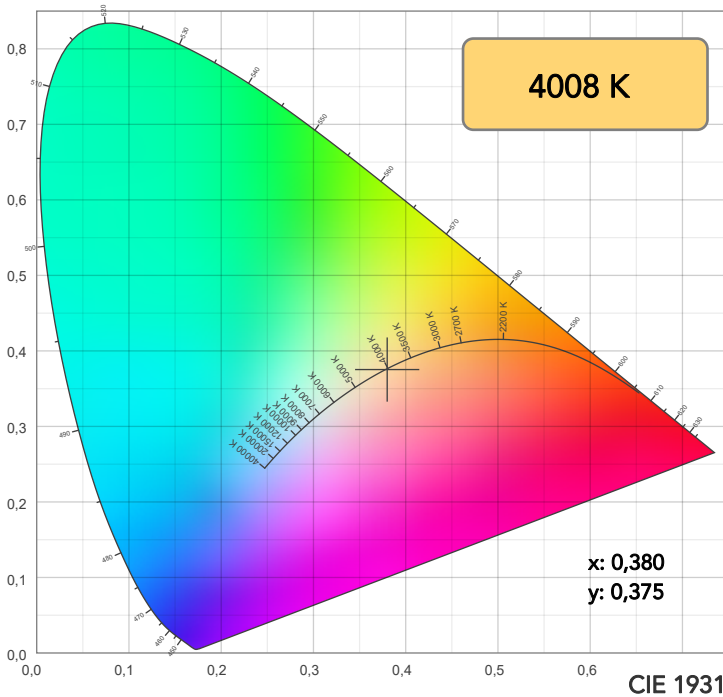
Beam angle 50%: 18,1°

Field angle 10%: 19,7°

Cut off angle 2.5%: 20,8°

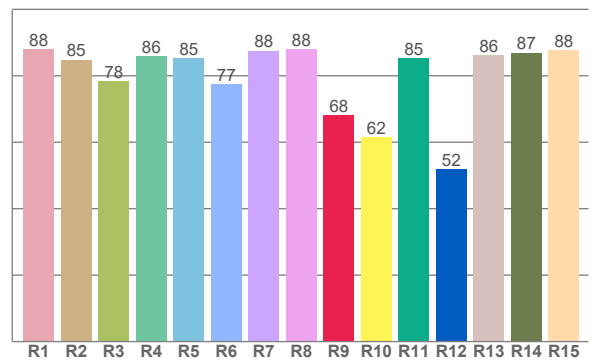
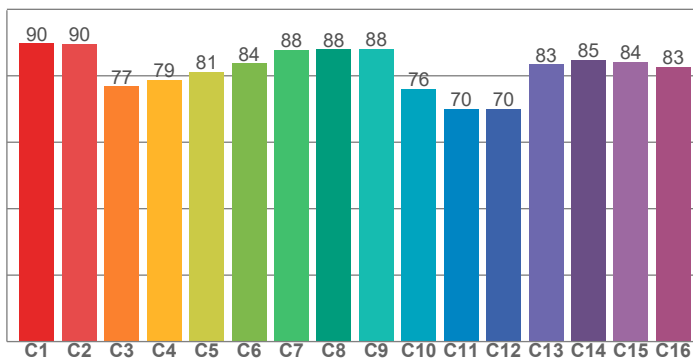
**Spectra**





TM30: 82,1

CRI: 84,4 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 87,9 | 84,9 | 78,4 | 86,0 | 85,3 | 77,5 | 87,5 | 88,1 | 68,1 | 61,6 | 85,2 | 51,9 | 86,3 | 86,9 | 87,7 |

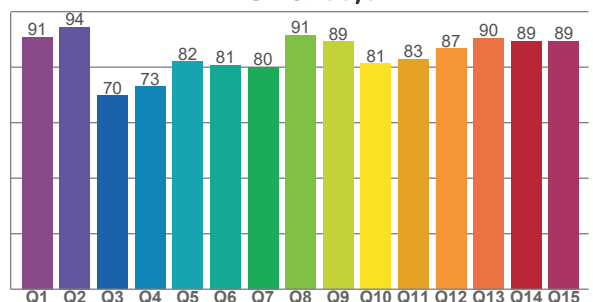
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89,7 | 89,5 | 76,9 | 78,7 | 81,2 | 83,7 | 87,9 | 87,9 | 88,1 | 76,0 | 70,1 | 70,0 | 83,4 | 84,8 | 84,2 | 82,6 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,9 | 94,5 | 69,8 | 73,1 | 82,0 | 80,8 | 80,0 | 91,5 | 89,3 | 81,3 | 82,8 | 86,8 | 90,5 | 89,3 | 89,4 |

CQS: 83,3



## 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                             |
| 4008 K            | 84,4                  | 68,1          | 82,1           | 103,5       | 83,3                | 72                        | 0,380                     | 0,375                     | -0,0005                         |

# TM30 DETAILS

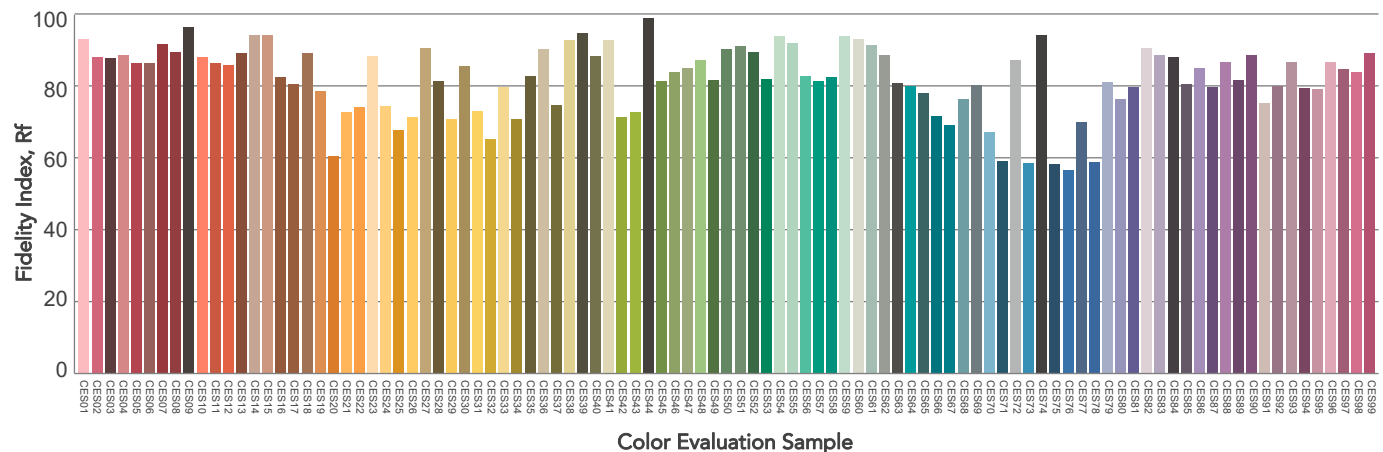
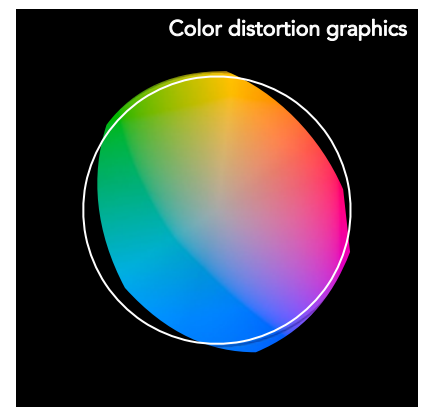
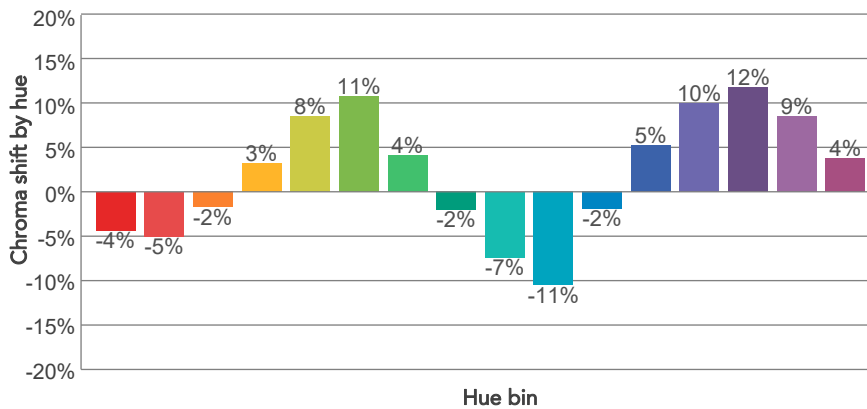
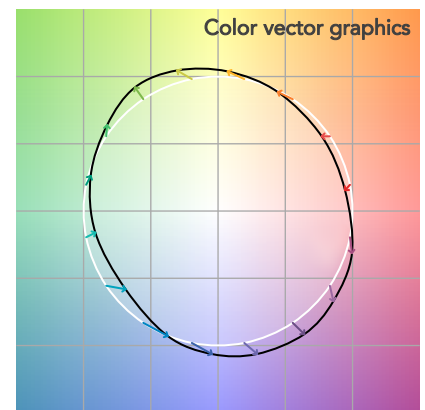
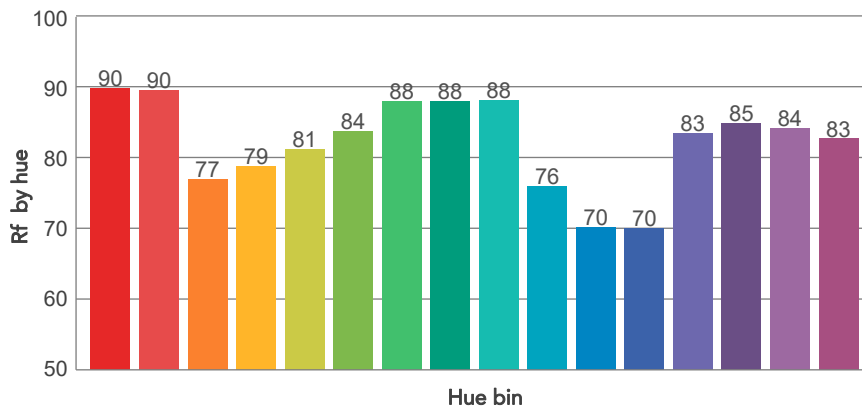
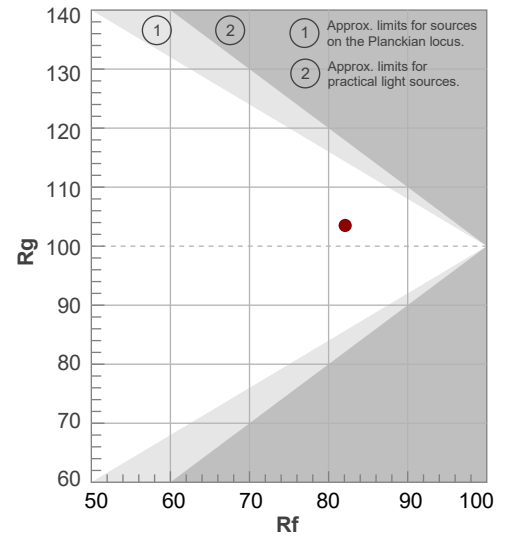
**Rf 82,1**

Fidelity index Rf

**Rg 103,5**

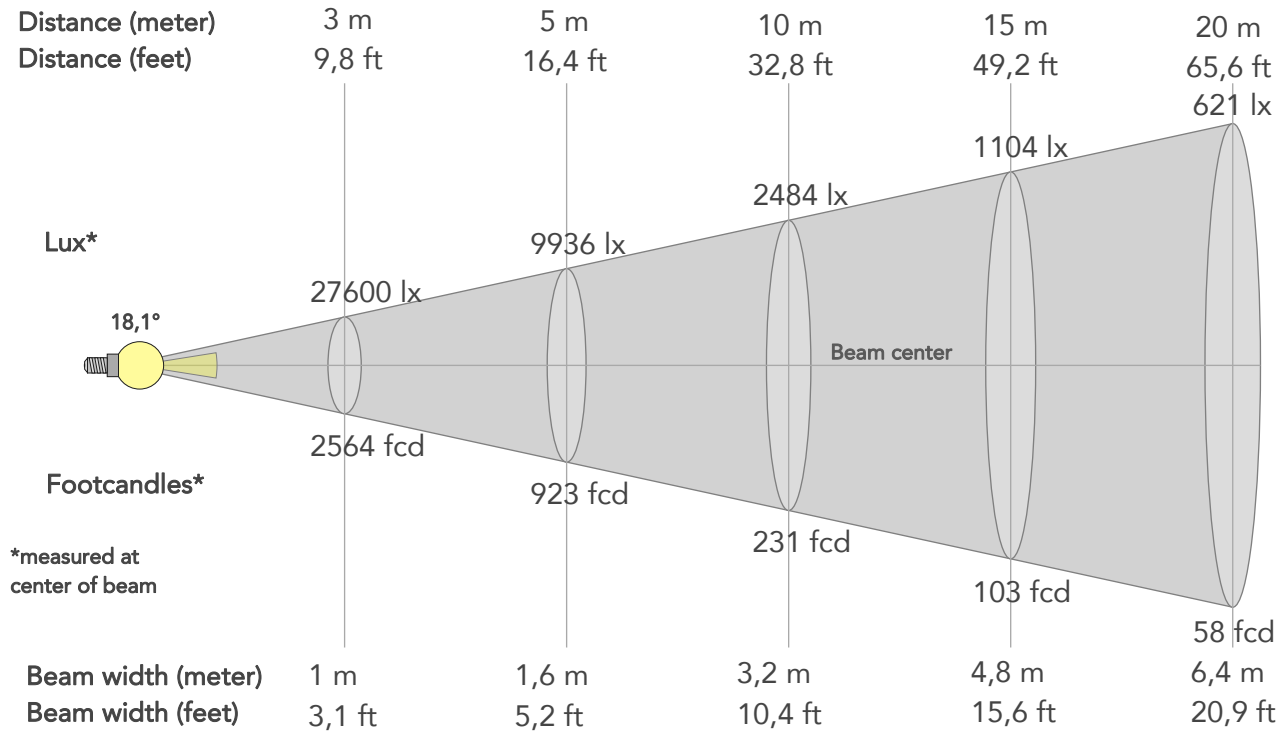
Gammut index

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 90             | -4%                | -3%  |
| 2       | 90             | -5%                | 3%   |
| 3       | 77             | -2%                | 12%  |
| 4       | 79             | 3%                 | 13%  |
| 5       | 81             | 8%                 | 9%   |
| 6       | 84             | 11%                | 0%   |
| 7       | 88             | 4%                 | -7%  |
| 8       | 88             | -2%                | -7%  |
| 9       | 88             | -7%                | -2%  |
| 10      | 76             | -11%               | 10%  |
| 11      | 70             | -2%                | 20%  |
| 12      | 70             | 5%                 | 16%  |
| 13      | 83             | 10%                | 8%   |
| 14      | 85             | 12%                | 2%   |
| 15      | 84             | 9%                 | -8%  |
| 16      | 83             | 4%                 | -11% |



## BEAM DETAILS

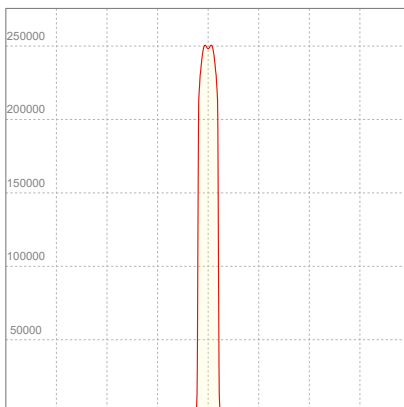
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18,1°          | 19,7°           | 20,8°              | 99,8%                        | 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       | 248402lx | 62100lx | 27600lx | 15525lx | 9936lx | 4416lx | 2484lx | 1104lx | 621lx  | 397lx  | 276lx  | 155lx   | 99lx   |
| Footcand. | 23077fcd | 5769fcd | 2564fcd | 1442fcd | 923fcd | 410fcd | 231fcd | 103fcd | 58fcd  | 37fcd  | 26fcd  | 14fcd   | 9fcd   |
| Beam wid. | 0,3m     | 0,6m    | 1m      | 1,3m    | 1,6m   | 2,4m   | 3,2m   | 4,8m   | 6,4m   | 8m     | 9,5m   | 12,7m   | 15,9m  |
| Beam wid. | 1ft      | 2,1ft   | 3,1ft   | 4,2ft   | 5,2ft  | 7,8ft  | 10,4ft | 15,6ft | 20,9ft | 26,1ft | 31,3ft | 41,7ft  | 52,2ft |

### LINEAR DISTRIBUTION DIAGRAM

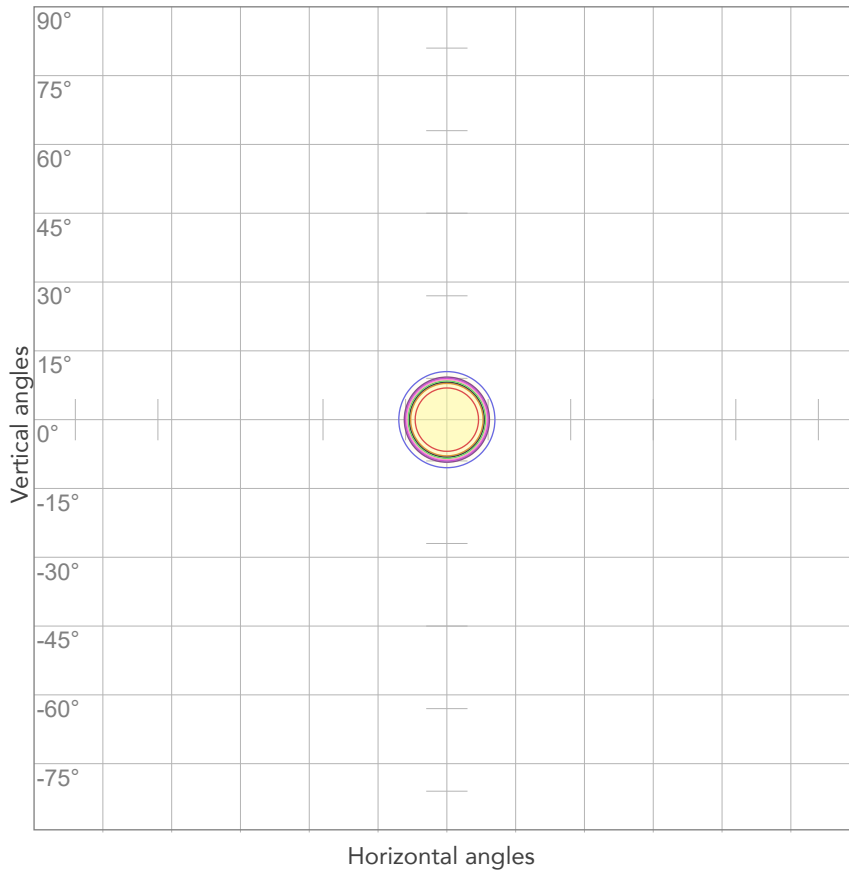


### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 224V          | 4,60A         | 1013,9W     | 0,98     | 19lm/W     |



## ISO CANDELA DIAGRAM



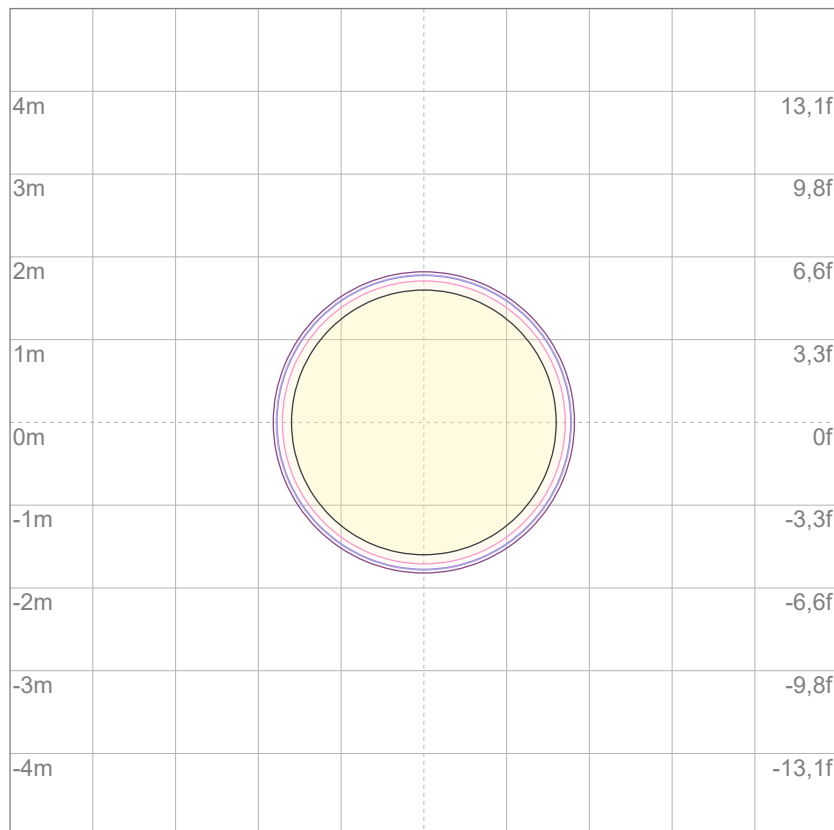
|     |           |
|-----|-----------|
| 10% | 24840 cd  |
| 20% | 49680 cd  |
| 30% | 74520 cd  |
| 40% | 99361 cd  |
| 50% | 124201 cd |
| 60% | 149041 cd |
| 70% | 173881 cd |
| 80% | 198721 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 248402 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 74,5 lx |
| 5%  | 124 lx  |
| 10% | 248 lx  |
| 30% | 745 lx  |
| 50% | 1242 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 2484 lx

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



Total lumen output:

13902 lm

Peak candela output:

1450609 cd

Light quality:

CRI: 84,4

Color temperature:

4022 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

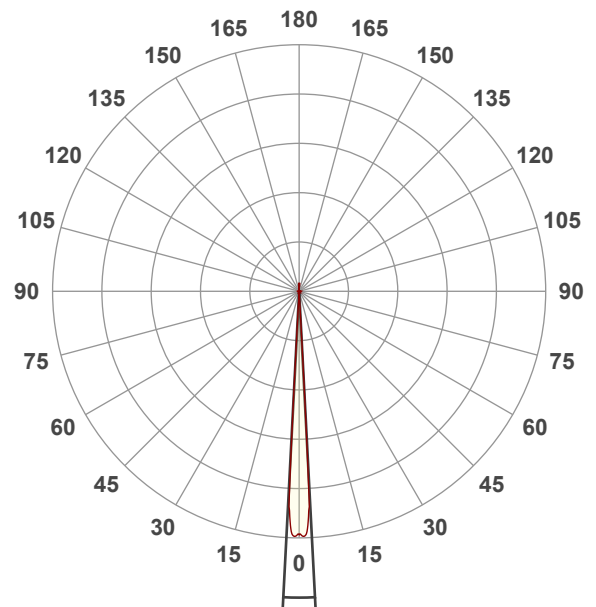
4000K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 14:58:05

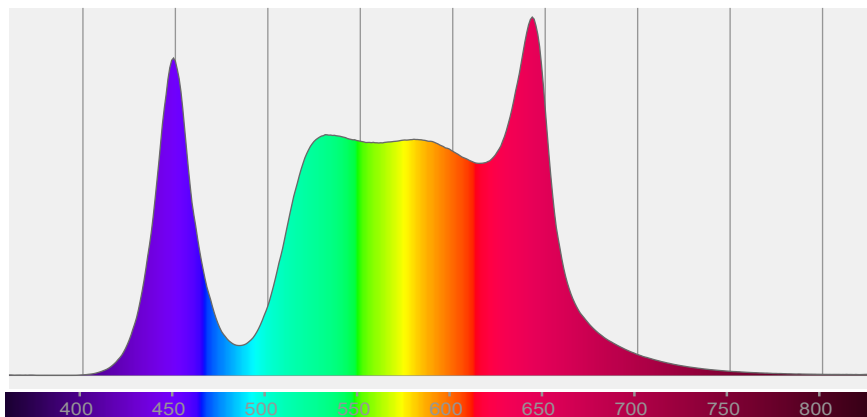


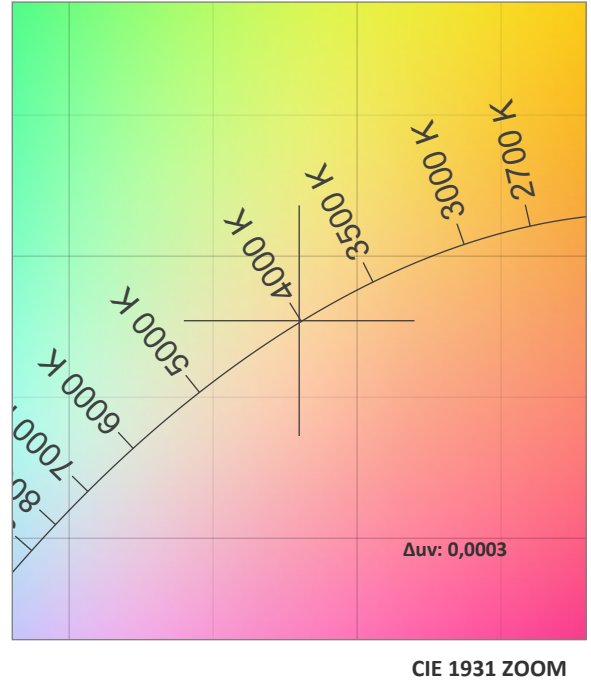
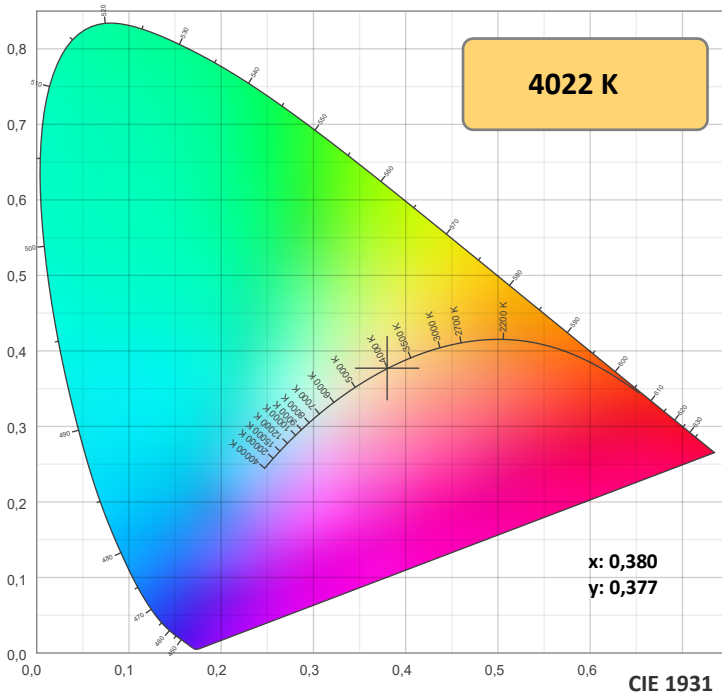
Beam angle 50%: 5,9°

Field angle 10%: 6,4°

Cut off angle 2.5%: 6,5°

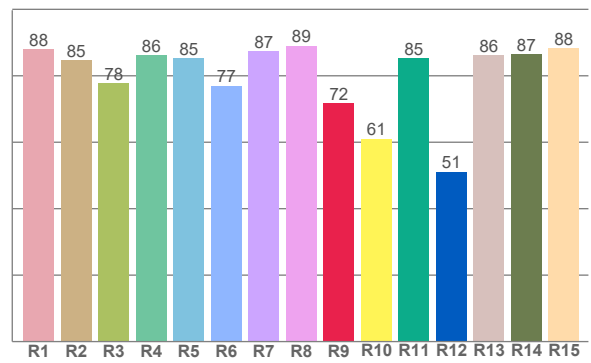
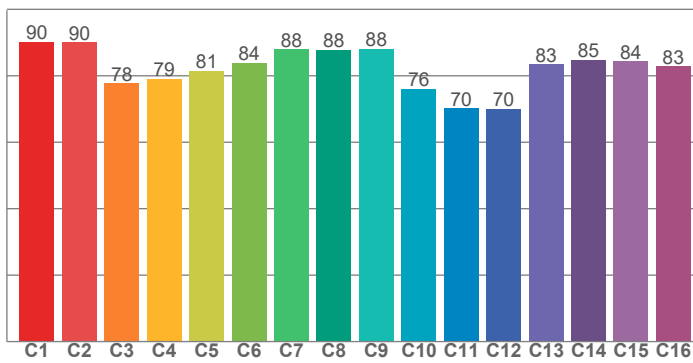
**Spectra**





**TM30: 82,3**

**CRI: 84,4 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 88,1 | 84,7 | 77,7 | 86,1 | 85,3 | 77,0 | 87,4 | 89,1 | 71,7 | 61,1 | 85,2 | 51,1 | 86,3 | 86,5 | 88,2 |

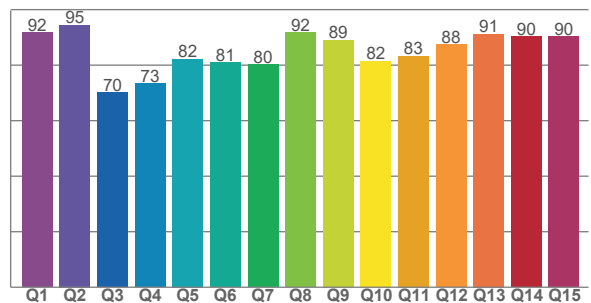
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,2 | 90,1 | 77,7 | 79,2 | 81,5 | 84,0 | 88,0 | 87,9 | 88,1 | 76,1 | 70,2 | 70,1 | 83,4 | 84,8 | 84,4 | 82,8 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91,7 | 94,5 | 70,2 | 73,4 | 82,2 | 80,9 | 80,2 | 91,8 | 89,1 | 81,6 | 83,4 | 87,5 | 91,2 | 90,4 | 90,2 |

**CQS: 83,7**



## 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                         | $\Delta uv$                     |
| 4022 K            | 84,4                  | 71,7          | 82,3           | 103,5       | 83,7                | 73                        | 0,380                     | 0,377                     | 0,0003                          |

## TM30 DETAILS

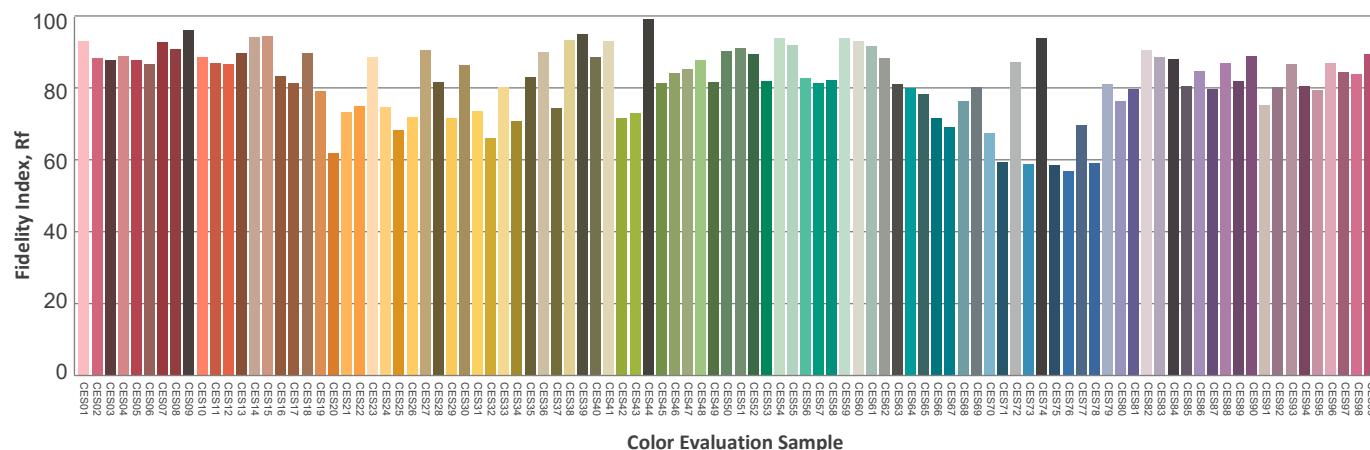
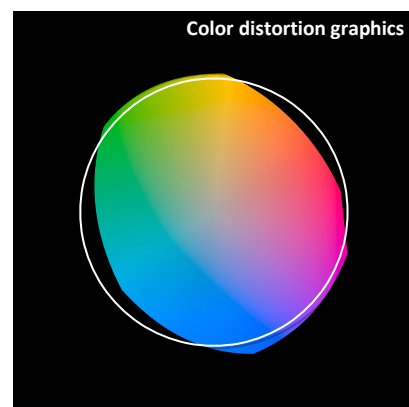
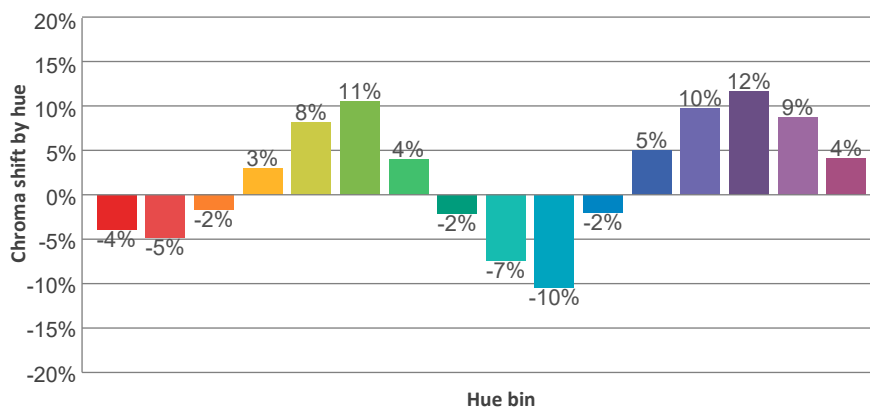
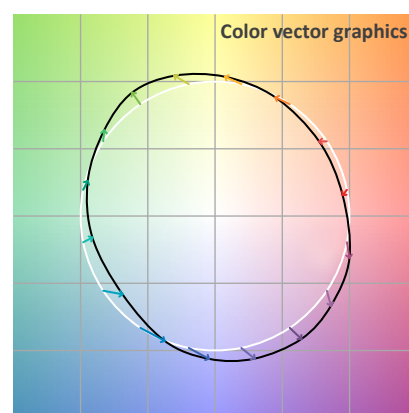
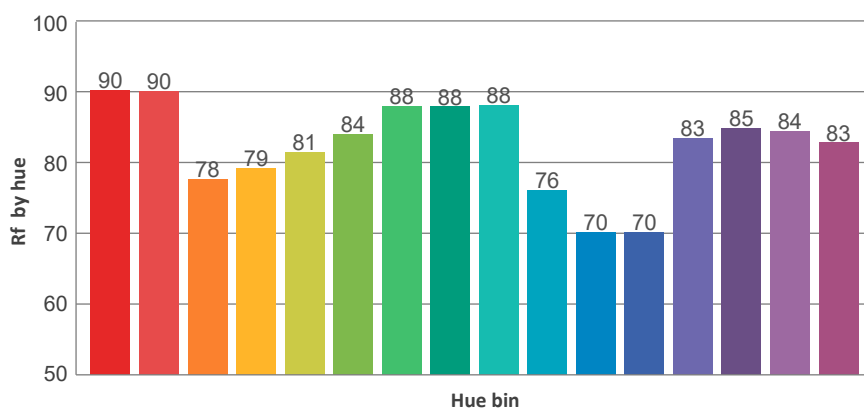
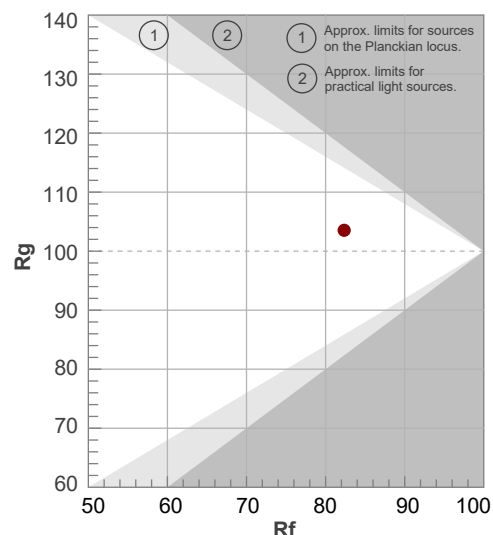
**Rf 82,3**

Fidelity index Rf

**Rg 103,5**

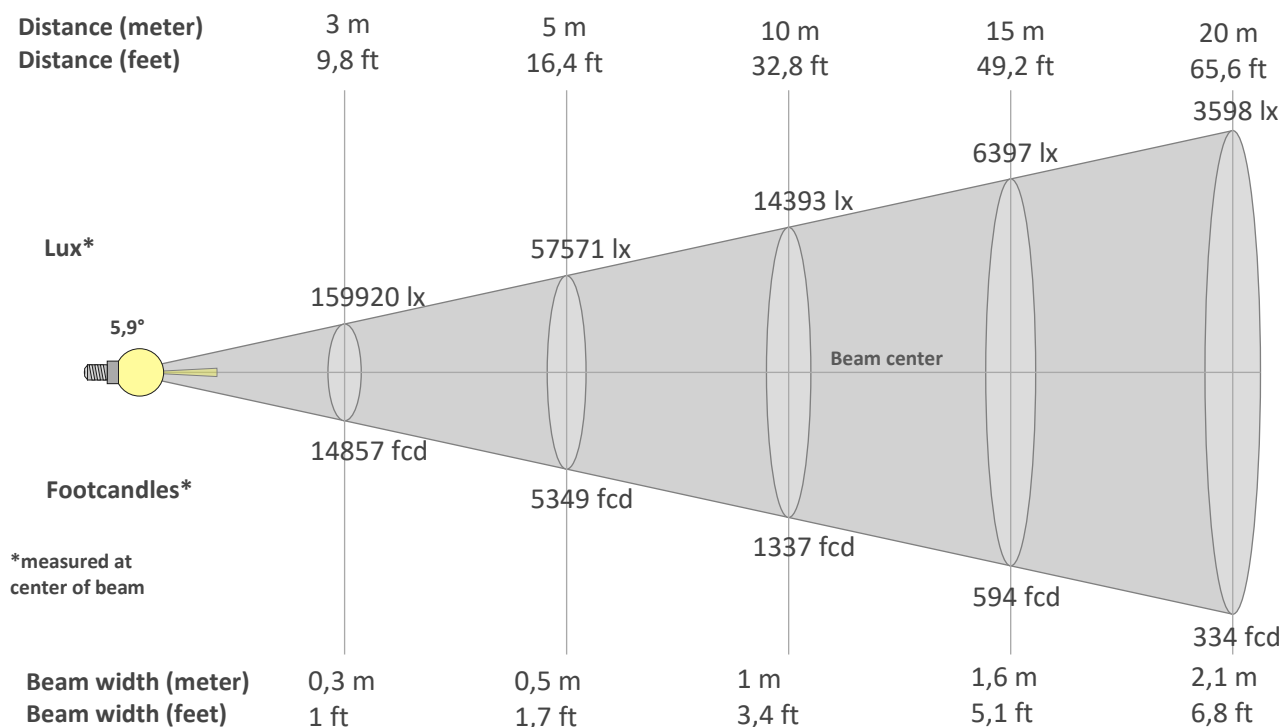
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
|         |                | Chroma             | Hue  |
| 1       | 90             | -4%                | -3%  |
| 2       | 90             | -5%                | 3%   |
| 3       | 78             | -2%                | 12%  |
| 4       | 79             | 3%                 | 13%  |
| 5       | 81             | 8%                 | 9%   |
| 6       | 84             | 11%                | 0%   |
| 7       | 88             | 4%                 | -7%  |
| 8       | 88             | -2%                | -7%  |
| 9       | 88             | -7%                | -2%  |
| 10      | 76             | -10%               | 10%  |
| 11      | 70             | -2%                | 20%  |
| 12      | 70             | 5%                 | 16%  |
| 13      | 83             | 10%                | 8%   |
| 14      | 85             | 12%                | 3%   |
| 15      | 84             | 9%                 | -8%  |
| 16      | 83             | 4%                 | -11% |



## BEAM DETAILS

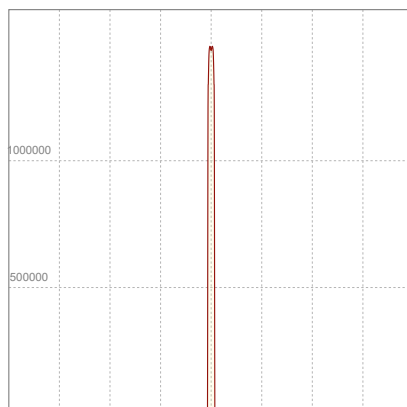
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,4°            | 6,5°               | 92,4%                        | 89,2%                       |



### 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 |
| <b>Lux</b>       | 1439283lx | 359821lx | 159920lx | 89955lx | 57571lx | 25587lx | 14393lx | 6397lx | 3598lx | 2303lx | 1599lx | 900lx   | 576lx |
| <b>Footcand.</b> | 133714fcd | 33428fcd | 14857fcd | 8357fcd | 5349fcd | 2377fcd | 1337fcd | 594fcd | 334fcd | 214fcd | 149fcd | 84fcd   | 53fcd |
| <b>Beam wid.</b> | 0,1m      | 0,2m     | 0,3m     | 0,4m    | 0,5m    | 0,8m    | 1m      | 1,6m   | 2,1m   | 2,6m   | 3,1m   | 4,1m    | 5,2m  |
| <b>Beam wid.</b> | 0,3ft     | 0,7ft    | 1ft      | 1,4ft   | 1,7ft   | 2,5ft   | 3,4ft   | 5,1ft  | 6,8ft  | 8,5ft  | 10,2ft | 13,6ft  | 17ft  |

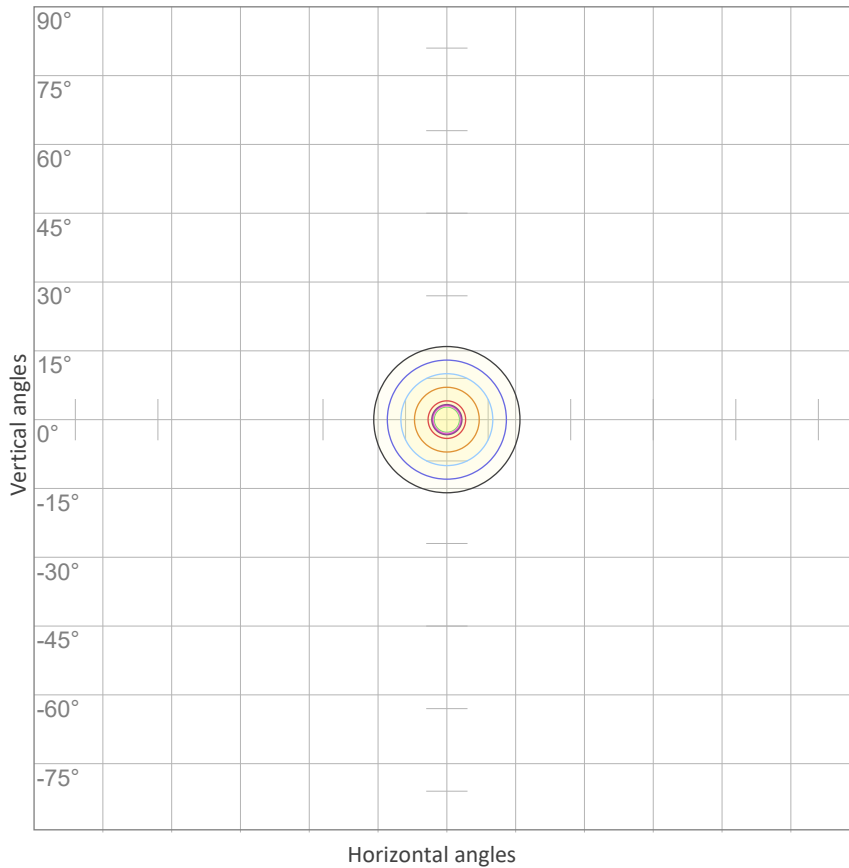
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 224V          | 4,58A         | 1012,3W     | 0,98     | 14lm/W     |

## ISO CANDELA DIAGRAM



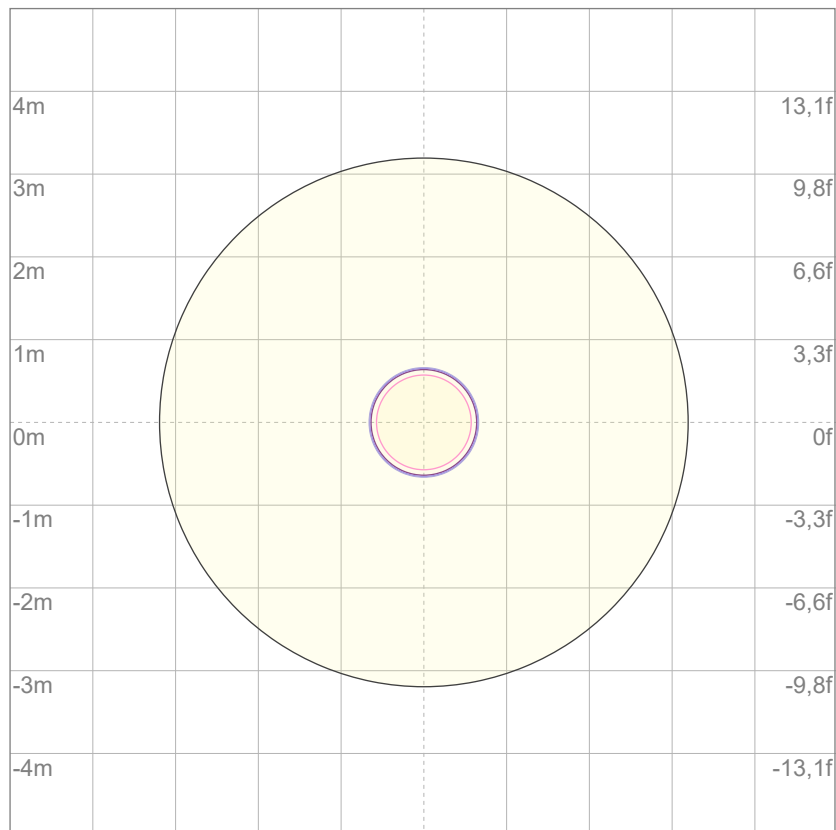
|     |            |
|-----|------------|
| 10% | 143928 cd  |
| 20% | 287857 cd  |
| 30% | 431785 cd  |
| 40% | 575713 cd  |
| 50% | 719642 cd  |
| 60% | 863570 cd  |
| 70% | 1007498 cd |
| 80% | 1151427 cd |
| 90% | 1295355 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1439283 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 432 lx  |
| 5%  | 720 lx  |
| 10% | 1439 lx |
| 30% | 4318 lx |
| 50% | 7196 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 14,4K lx

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



Total lumen output:

20743 lm

Peak candela output:

39026 cd

Light quality:

CRI: 95,8

Color temperature:

5592 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

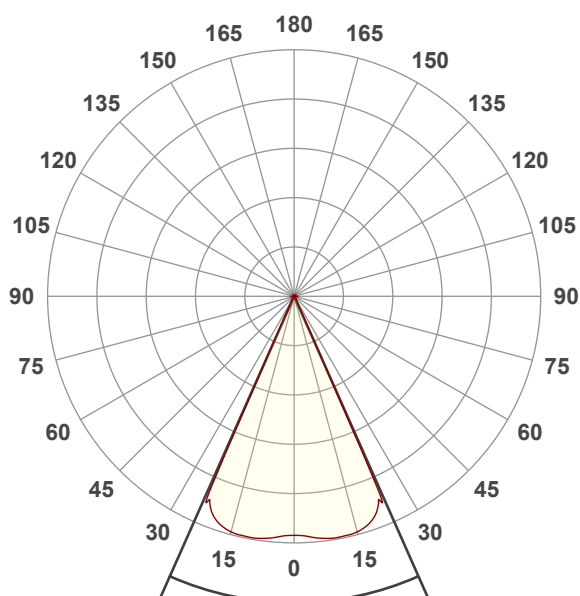
5600K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 16:23:43

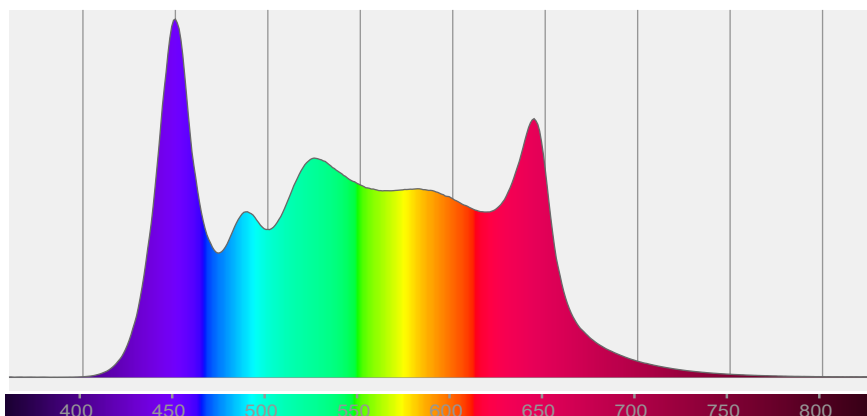


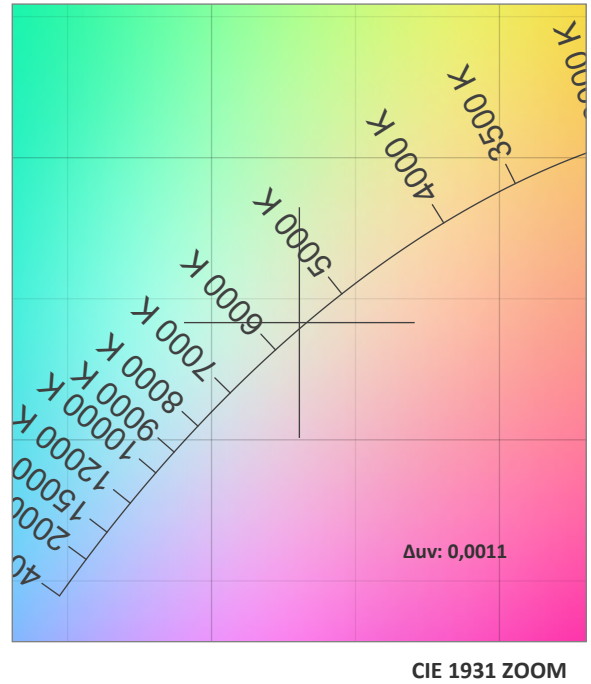
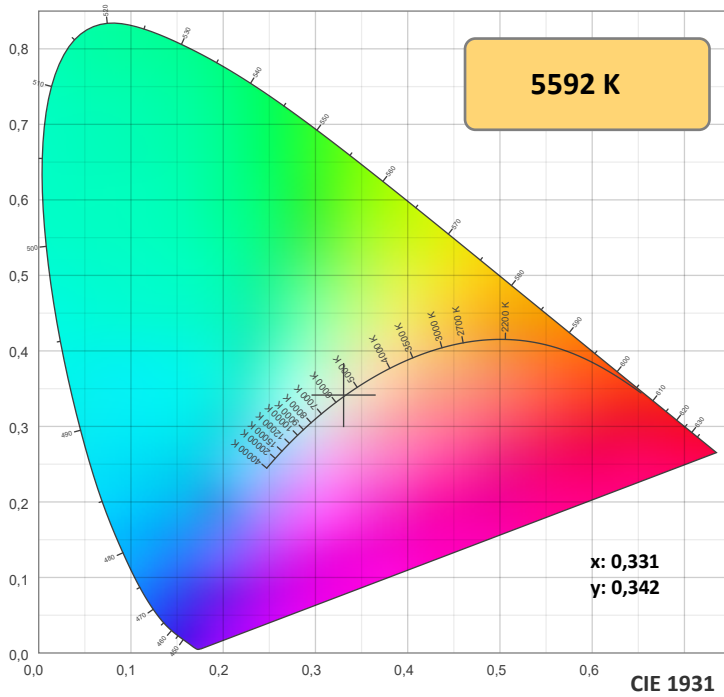
Beam angle 50%: 47,9°

Field angle 10%: 49°

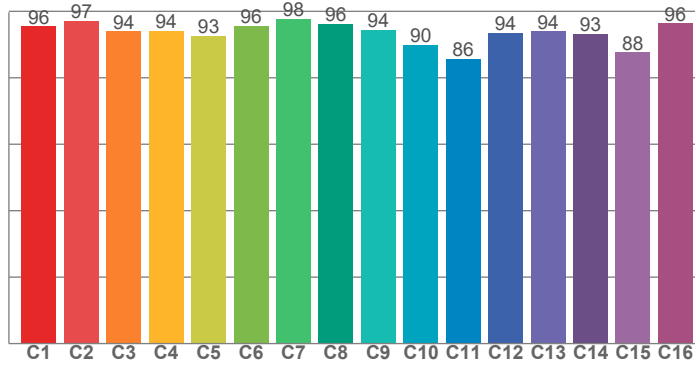
Cut off angle 2.5%: 50,5°

Spectra

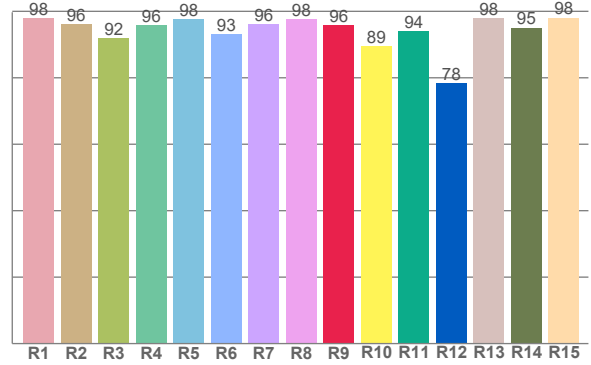




**TM30: 93,4**



**CRI: 95,8 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,0 | 96,2 | 92,0 | 95,7 | 97,5 | 93,1 | 96,1 | 97,6 | 95,9 | 89,5 | 94,1 | 78,4 | 97,9 | 95,1 | 98,1 |

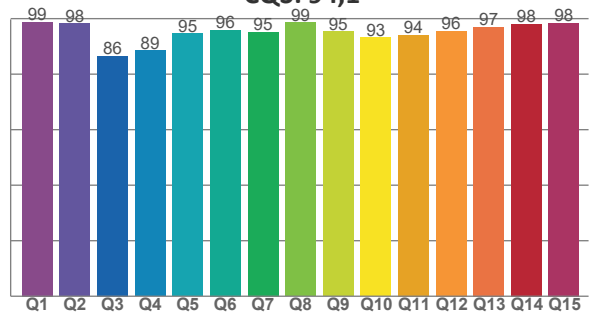
**TM30 C values, 16 binned values out of total of 99 C values**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,6 | 97,1 | 94,0 | 94,1 | 92,6 | 95,6 | 97,7 | 96,3 | 94,4 | 89,9 | 85,7 | 93,6 | 93,9 | 93,2 | 87,6 | 96,4 |

**CQS Q values**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,8 | 98,3 | 86,5 | 88,5 | 94,7 | 95,8 | 95,2 | 98,6 | 95,3 | 93,2 | 94,1 | 95,5 | 97,1 | 98,0 | 98,4 |

**CQS: 94,1**



## COLOR PARAMETERS

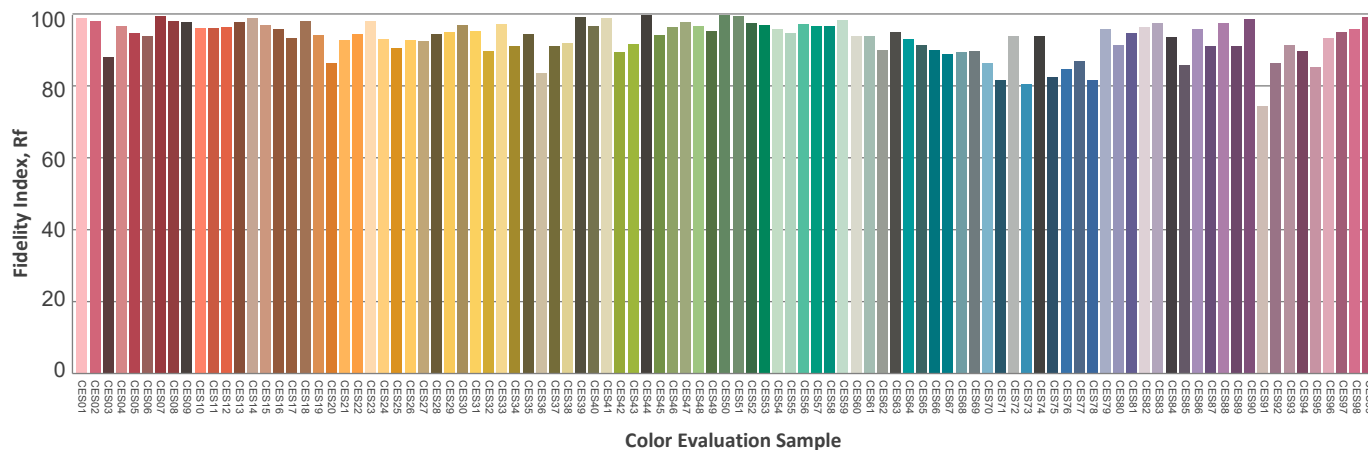
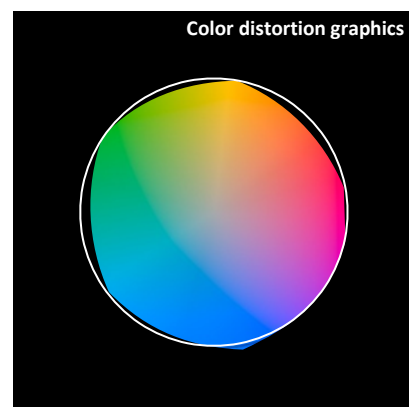
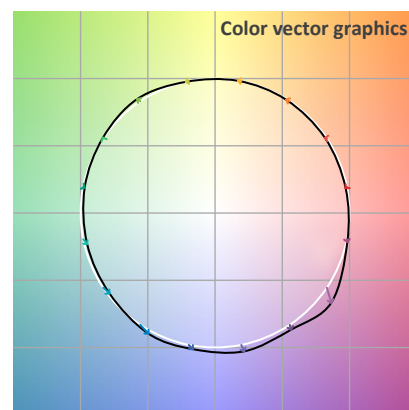
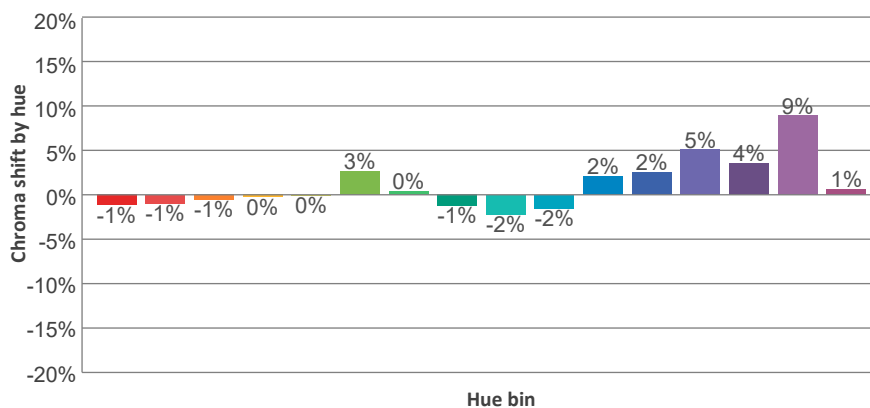
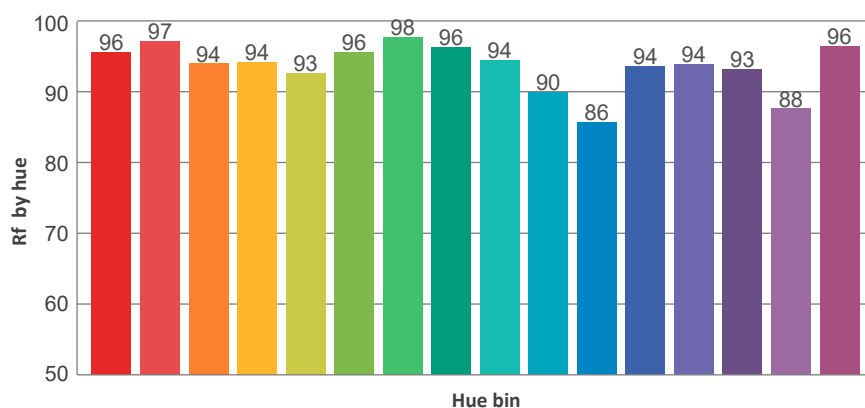
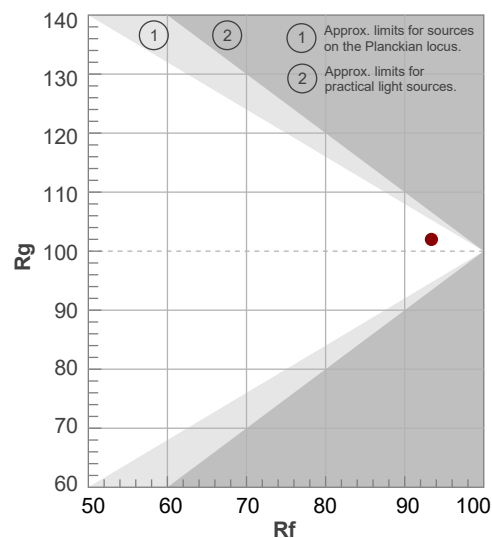
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | TLCI                      | x                         | y                         | Δuv                             |
| 5592 K            | 95,8                  | 95,9          | 93,4           | 102,0       | 94,1                | 97                        | 0,331                     | 0,342                     | 0,0011                          |



### Fidelity index Rf

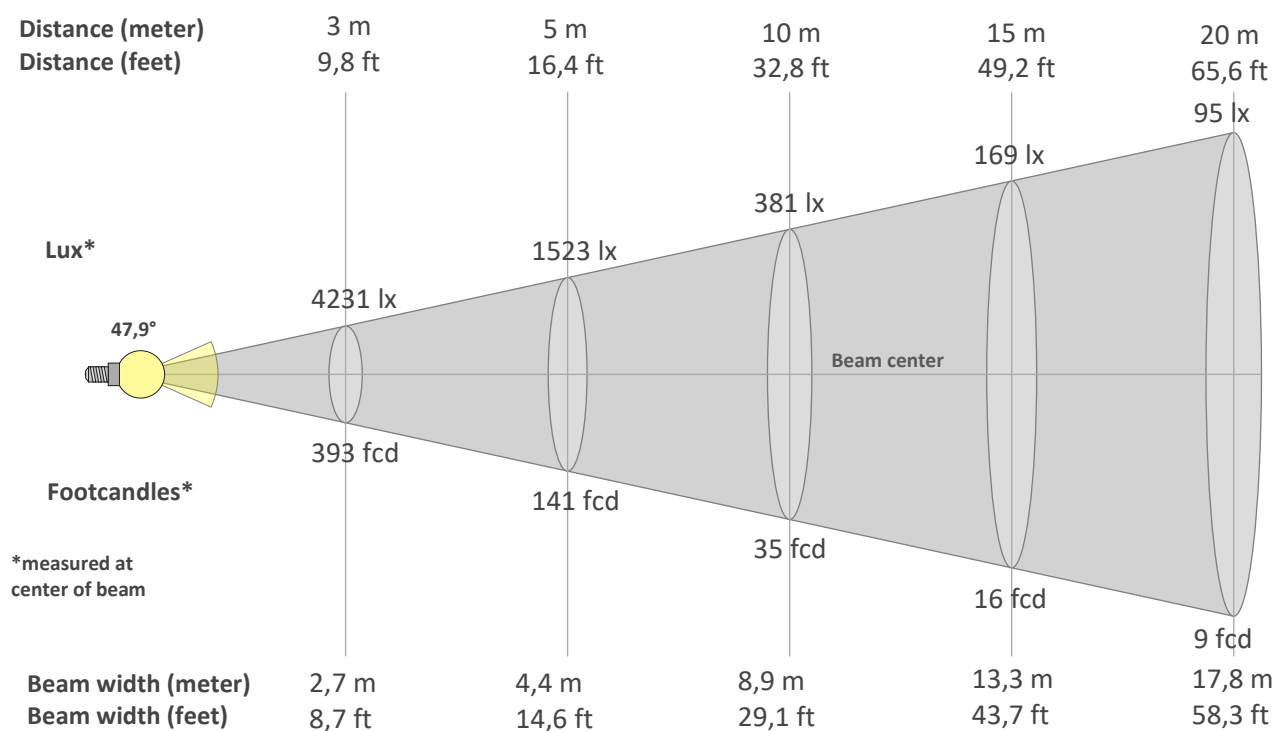
## Gammut index Rg

|         |       | Graphic shifts (%) |     |
|---------|-------|--------------------|-----|
| Hue Bin | $R_f$ | Chroma             | Hue |
| 1       | 96    | -1%                | -1% |
| 2       | 97    | -1%                | 1%  |
| 3       | 94    | -1%                | 3%  |
| 4       | 94    | 0%                 | 3%  |
| 5       | 93    | 0%                 | 2%  |
| 6       | 96    | 3%                 | 1%  |
| 7       | 98    | 0%                 | 0%  |
| 8       | 96    | -1%                | 0%  |
| 9       | 94    | -2%                | 4%  |
| 10      | 90    | -2%                | 6%  |
| 11      | 86    | 2%                 | 9%  |
| 12      | 94    | 2%                 | 4%  |
| 13      | 94    | 5%                 | 1%  |
| 14      | 93    | 4%                 | -1% |
| 15      | 88    | 9%                 | -7% |
| 16      | 96    | 1%                 | -2% |



## BEAM DETAILS

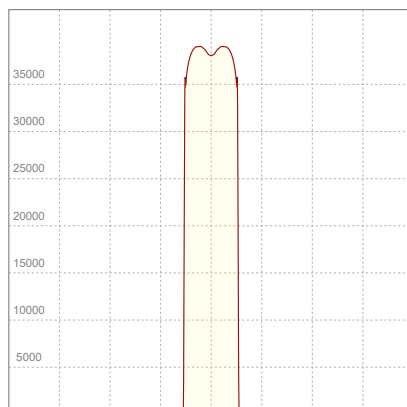
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 47,9°          | 49°             | 50,5°              | 99,3%                        | 99,2%                       |



### 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   |
| <b>Lux</b>       | 38075lx | 9519lx | 4231lx | 2380lx | 1523lx | 677lx  | 381lx  | 169lx  | 95lx   | 61lx   | 42lx   | 24lx    | 15lx    |
| <b>Footcand.</b> | 3537fcd | 884fcd | 393fcd | 221fcd | 141fcd | 63fcd  | 35fcd  | 16fcd  | 9fcd   | 6fcd   | 4fcd   | 2fcd    | 1fcd    |
| <b>Beam wid.</b> | 0,9m    | 1,8m   | 2,7m   | 3,6m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,8m  | 22,2m  | 26,6m  | 35,5m   | 44,4m   |
| <b>Beam wid.</b> | 2,9ft   | 5,9ft  | 8,7ft  | 11,6ft | 14,6ft | 21,8ft | 29,1ft | 43,7ft | 58,3ft | 72,8ft | 87,4ft | 116,5ft | 145,6ft |

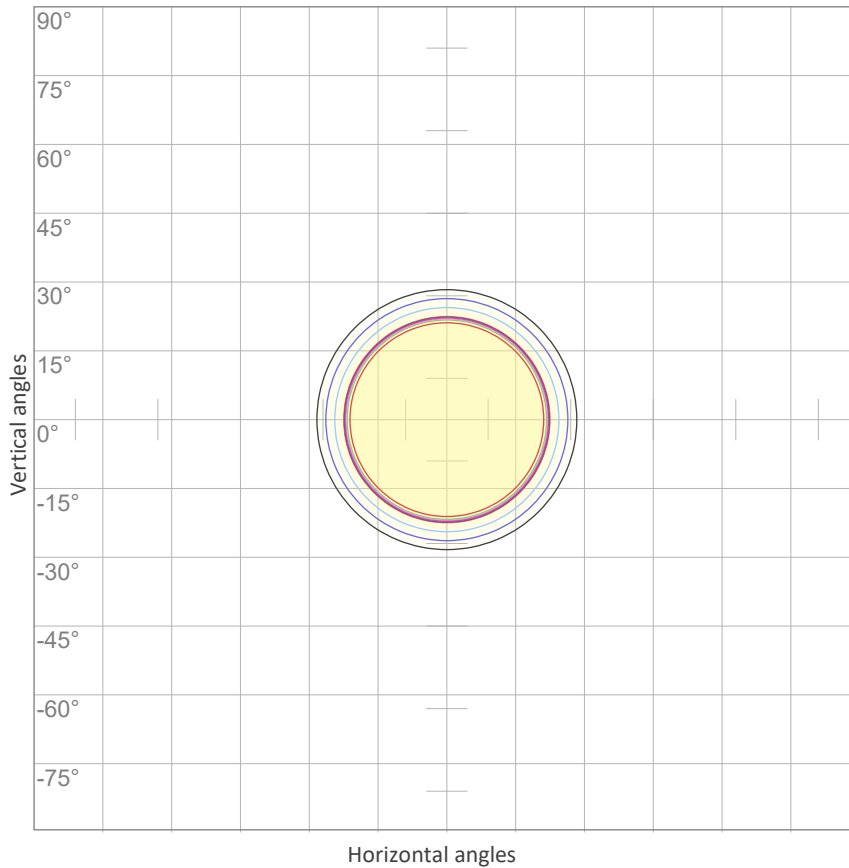
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 224V          | 5,71A         | 1261,9W     | 0,99     | 16lm/W     |

## ISO CANDELA DIAGRAM



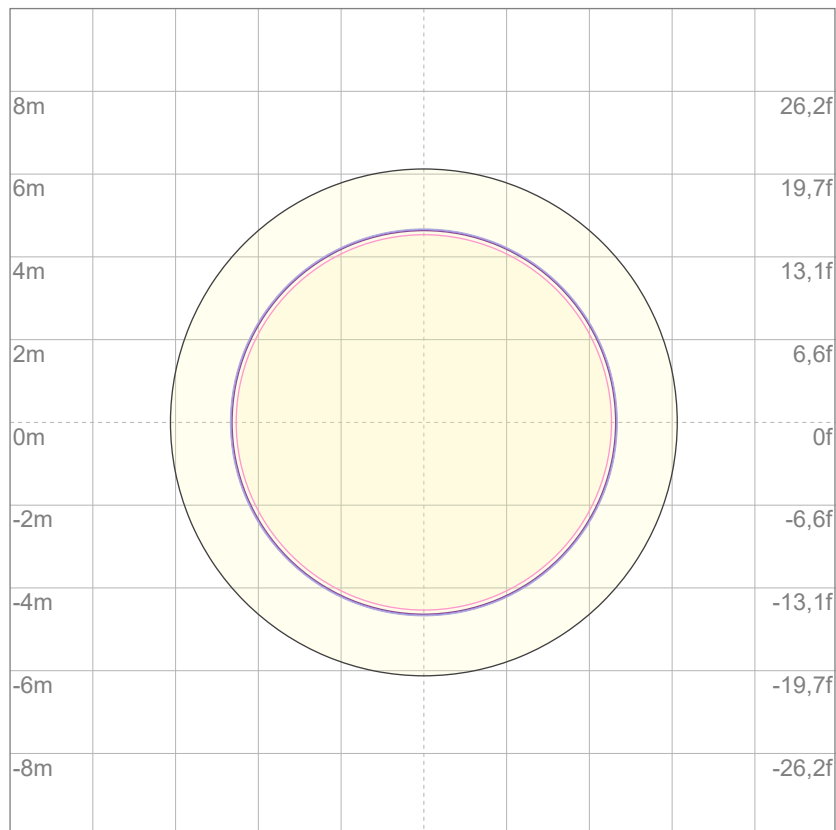
|     |          |
|-----|----------|
| 10% | 3807 cd  |
| 20% | 7615 cd  |
| 30% | 11422 cd |
| 40% | 15230 cd |
| 50% | 19037 cd |
| 60% | 22845 cd |
| 70% | 26652 cd |
| 80% | 30460 cd |
| 90% | 34267 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 38075 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 11,4 lx |
| 5%  | 19,0 lx |
| 10% | 38,1 lx |
| 30% | 114 lx  |
| 50% | 190 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 381 lx

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



Total lumen output:

20358 lm

Peak candela output:

271664 cd

Light quality:

CRI: 96,7

Color temperature:

5618 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

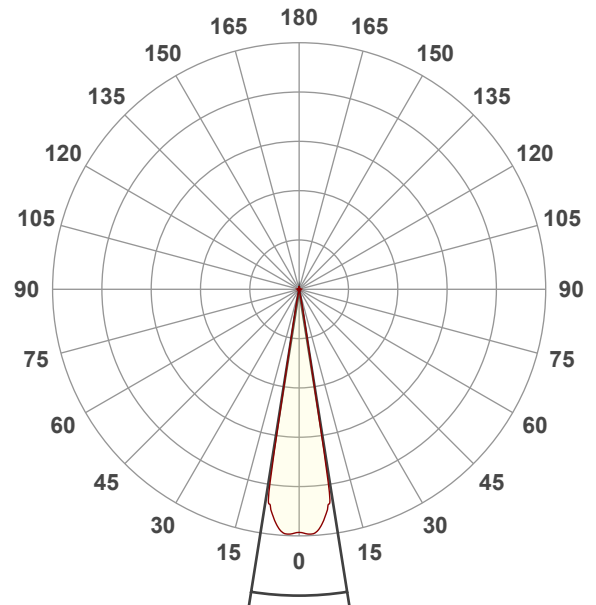
5600K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:24:45

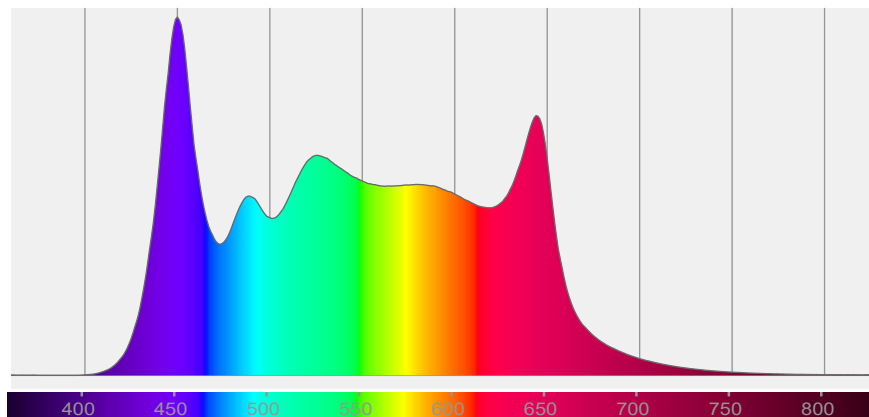


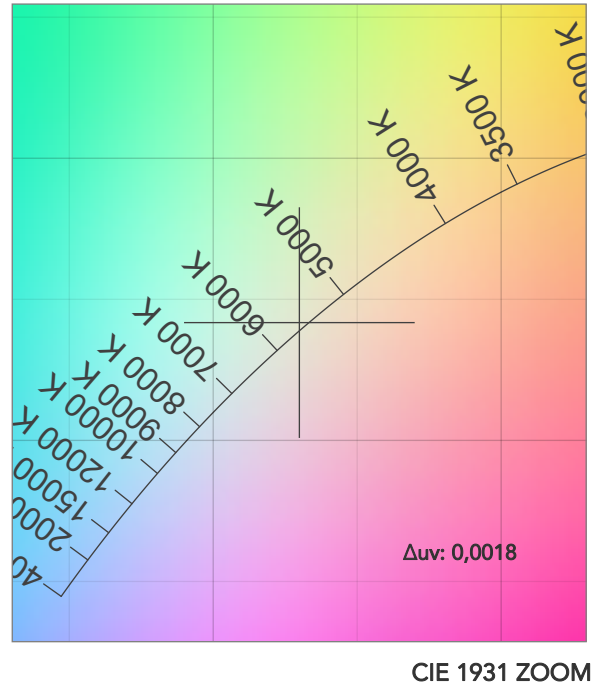
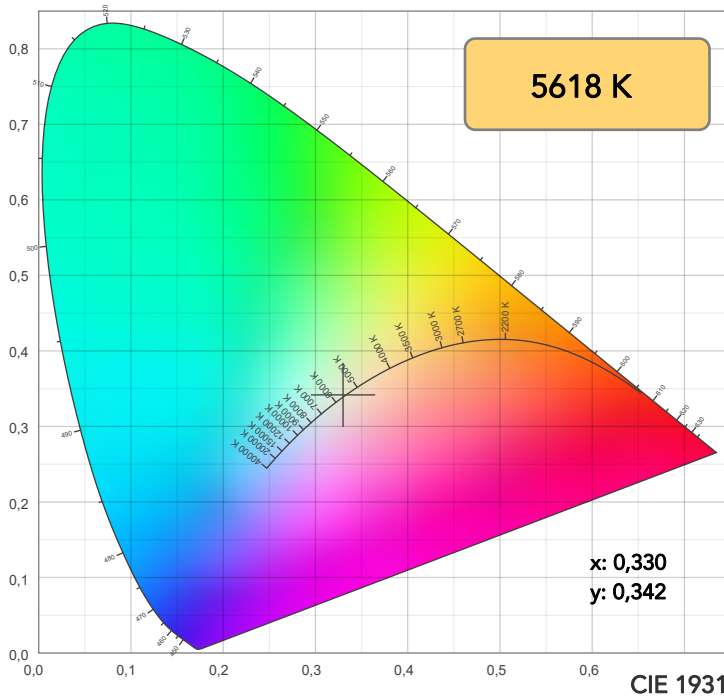
Beam angle 50%: 18°

Field angle 10%: 19,8°

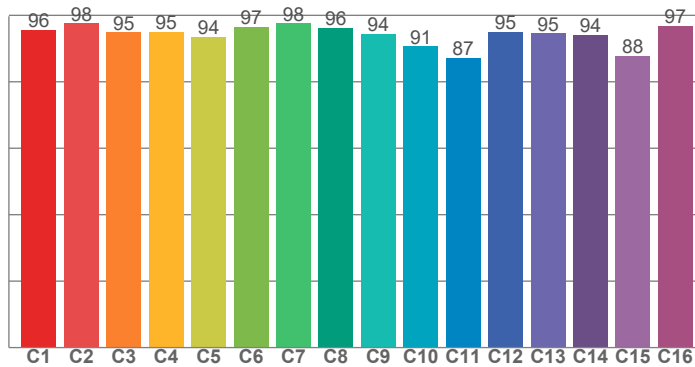
Cut off angle 2.5%: 20,8°

**Spectra**

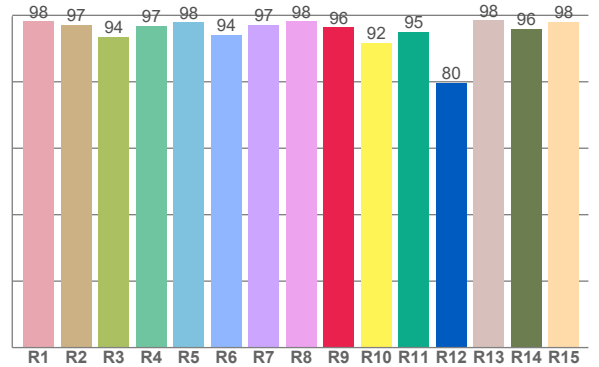




TM30: 94,0



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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,2 | 97,1 | 93,6 | 96,8 | 97,9 | 94,1 | 97,2 | 98,3 | 96,4 | 91,8 | 95,1 | 79,8 | 98,5 | 96,0 | 98,1 |

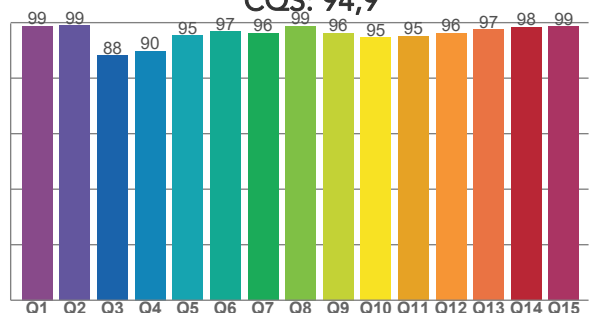
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,7 | 97,5 | 94,9 | 95,0 | 93,6 | 96,6 | 97,6 | 96,3 | 94,4 | 90,6 | 87,1 | 95,0 | 94,6 | 94,0 | 87,8 | 96,9 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,7 | 98,9 | 88,1 | 89,7 | 95,3 | 96,8 | 96,1 | 98,8 | 96,3 | 94,6 | 95,2 | 96,3 | 97,5 | 98,3 | 98,6 |

CQS: 94,9



## COLOR PARAMETERS

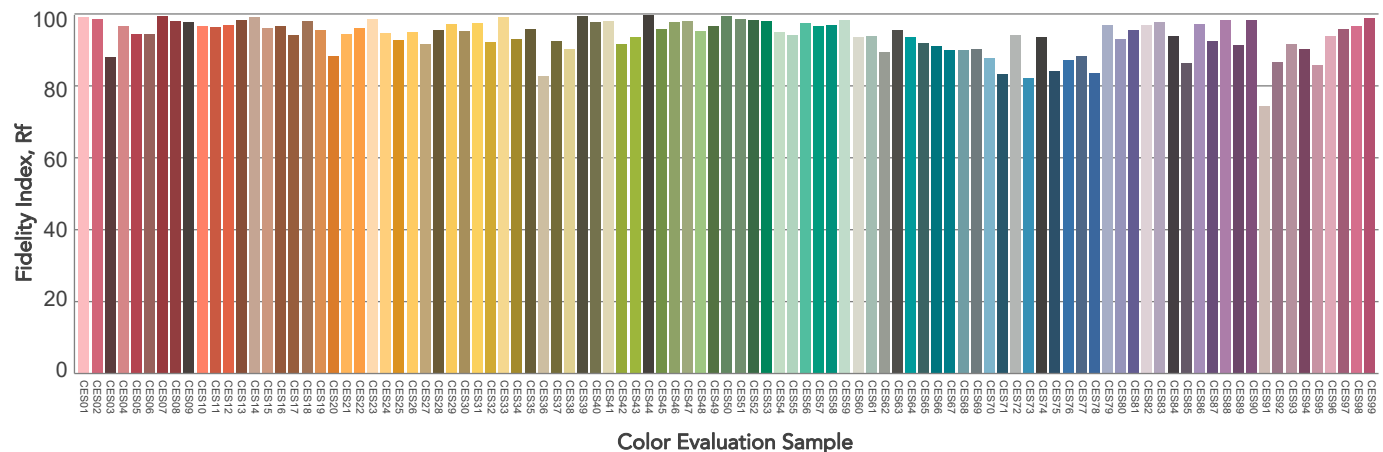
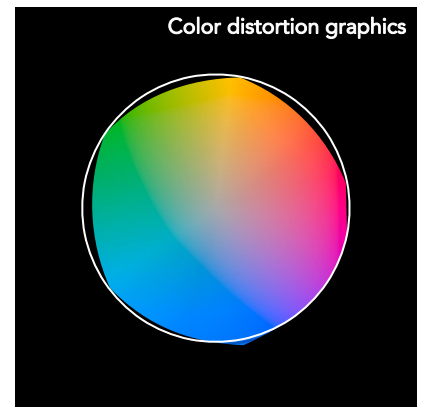
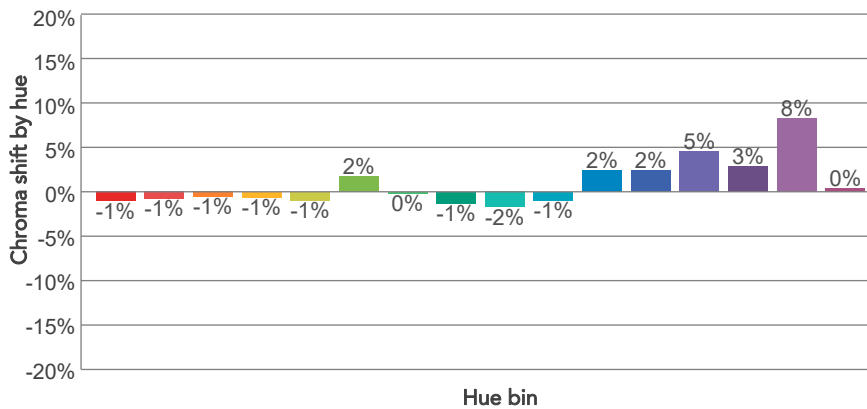
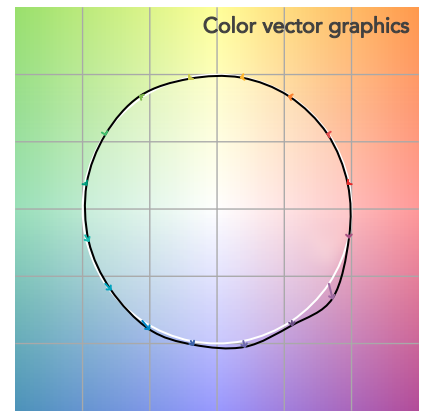
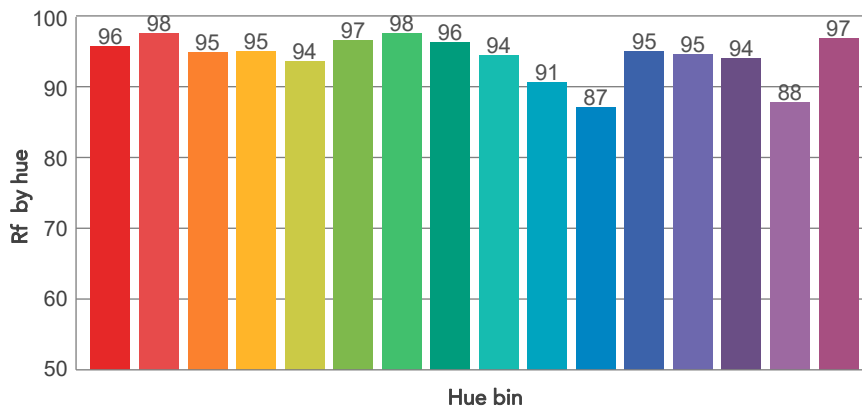
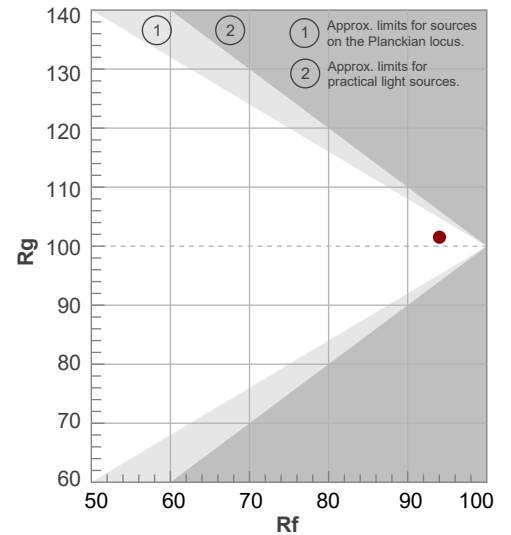
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | TLCI                      | x                         | y                         | Δuv                             |
| 5618 K            | 96,7                  | 96,4          | 94,0           | 101,5       | 94,9                | 98                        | 0,330                     | 0,342                     | 0,0018                          |

# TM30 DETAILS

**Rf 94,0**  
Fidelity index Rf

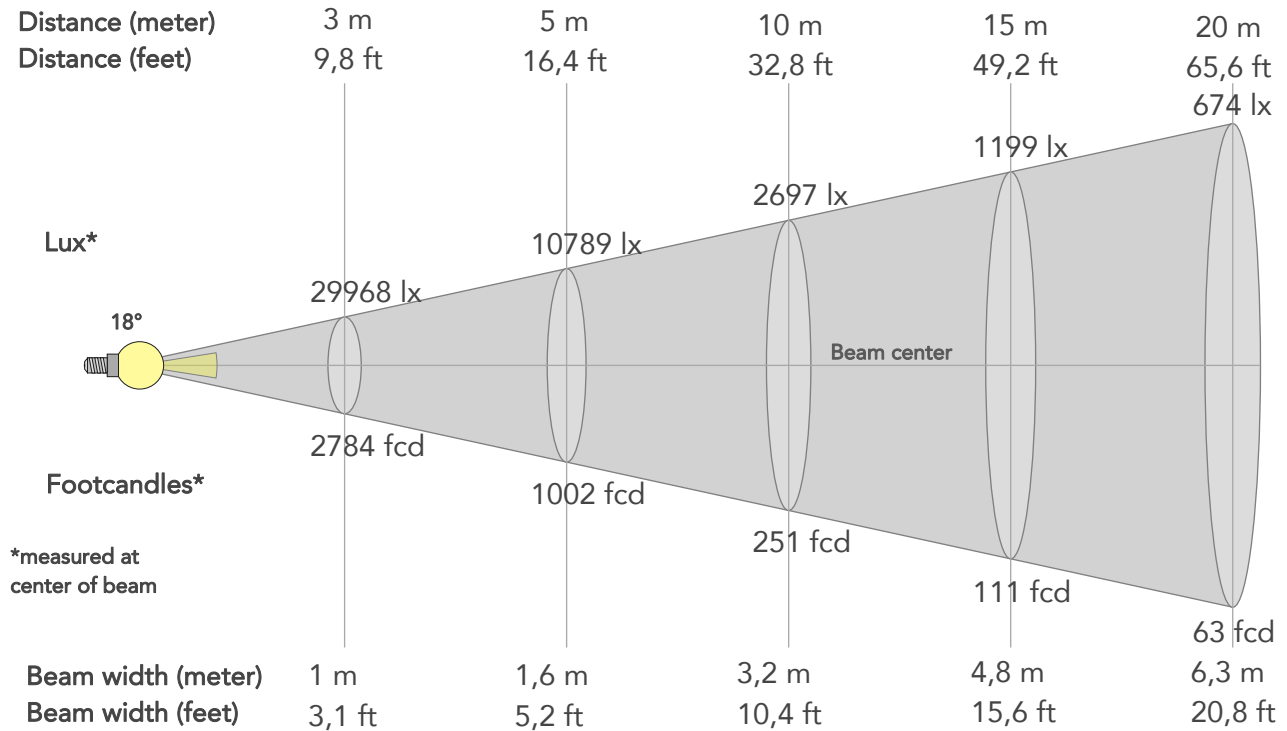
**Rg 101,5**  
Gammut index

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
|         |                | Chroma             | Hue |
| 1       | 96             | -1%                | -1% |
| 2       | 98             | -1%                | 1%  |
| 3       | 95             | -1%                | 2%  |
| 4       | 95             | -1%                | 2%  |
| 5       | 94             | -1%                | 2%  |
| 6       | 97             | 2%                 | 1%  |
| 7       | 98             | 0%                 | 0%  |
| 8       | 96             | -1%                | 1%  |
| 9       | 94             | -2%                | 5%  |
| 10      | 91             | -1%                | 6%  |
| 11      | 87             | 2%                 | 8%  |
| 12      | 95             | 2%                 | 2%  |
| 13      | 95             | 5%                 | 0%  |
| 14      | 94             | 3%                 | -2% |
| 15      | 88             | 8%                 | -8% |
| 16      | 97             | 0%                 | -2% |



## BEAM DETAILS

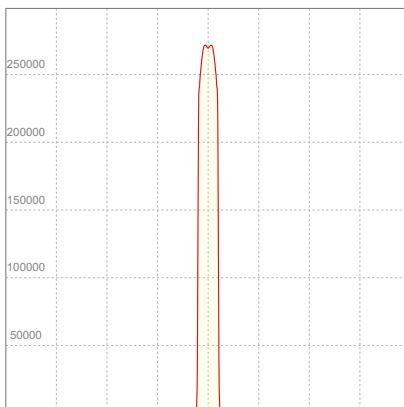
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18°            | 19,8°           | 20,8°              | 99,9%                        | 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       | 269715lx | 67429lx | 29968lx | 16857lx | 10789lx | 4795lx | 2697lx | 1199lx | 674lx  | 432lx | 300lx  | 169lx   | 108lx |
| Footcand. | 25057fcd | 6264fcd | 2784fcd | 1566fcd | 1002fcd | 445fcd | 251fcd | 111fcd | 63fcd  | 40fcd | 28fcd  | 16fcd   | 10fcd |
| Beam wid. | 0,3m     | 0,6m    | 1m      | 1,3m    | 1,6m    | 2,4m   | 3,2m   | 4,8m   | 6,3m   | 7,9m  | 9,5m   | 12,7m   | 15,9m |
| Beam wid. | 1ft      | 2,1ft   | 3,1ft   | 4,2ft   | 5,2ft   | 7,8ft  | 10,4ft | 15,6ft | 20,8ft | 26ft  | 31,2ft | 41,6ft  | 52ft  |

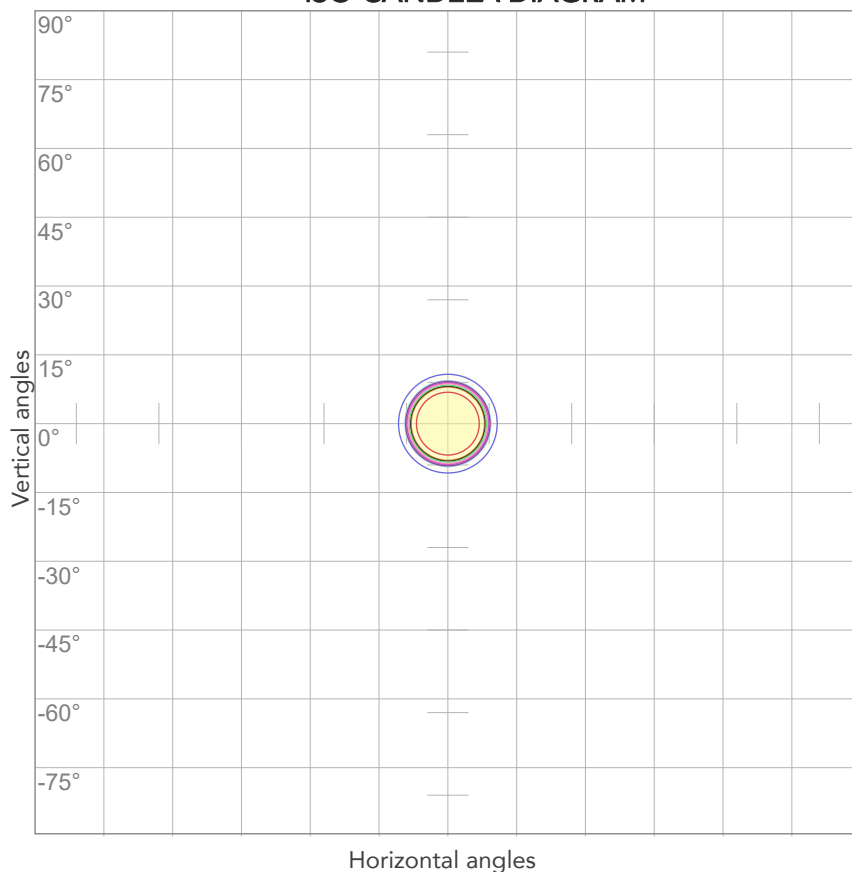
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 223V          | 5,75A         | 1264,2W     | 0,99     | 16lm/W     |

## ISO CANDELA DIAGRAM



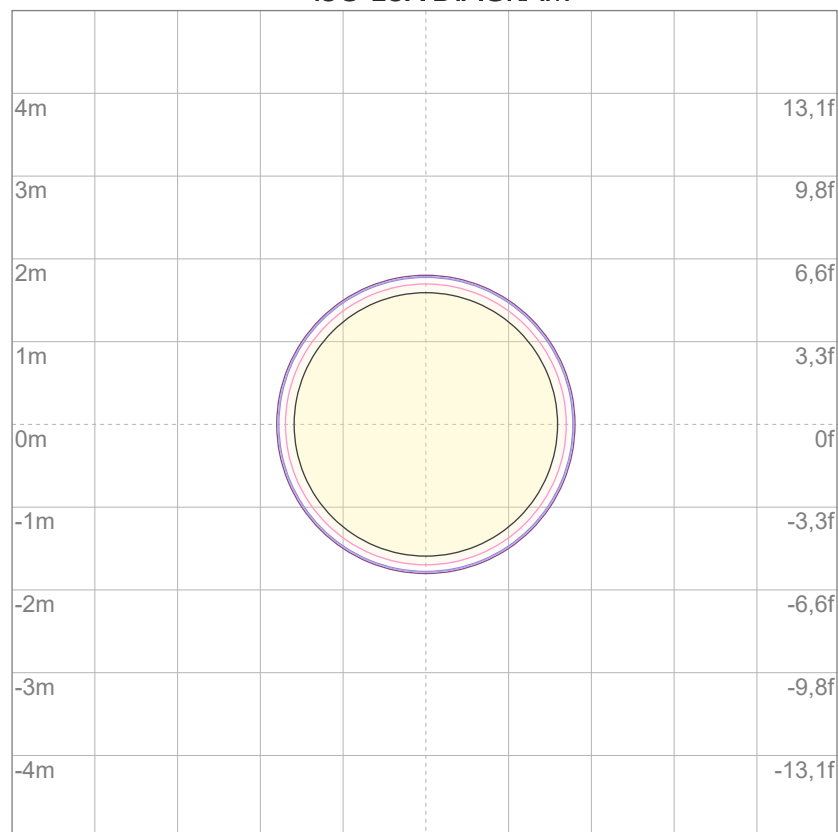
|     |           |
|-----|-----------|
| 10% | 26972 cd  |
| 20% | 53943 cd  |
| 30% | 80915 cd  |
| 40% | 107886 cd |
| 50% | 134858 cd |
| 60% | 161829 cd |
| 70% | 188801 cd |
| 80% | 215772 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 269715 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 80,9 lx |
| 5%  | 135 lx  |
| 10% | 270 lx  |
| 30% | 809 lx  |
| 50% | 1349 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 2697 lx

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





Total lumen output:

16548 lm

Peak candela output:

1570766 cd

Light quality:

CRI: 97,7

Color temperature:

5613 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

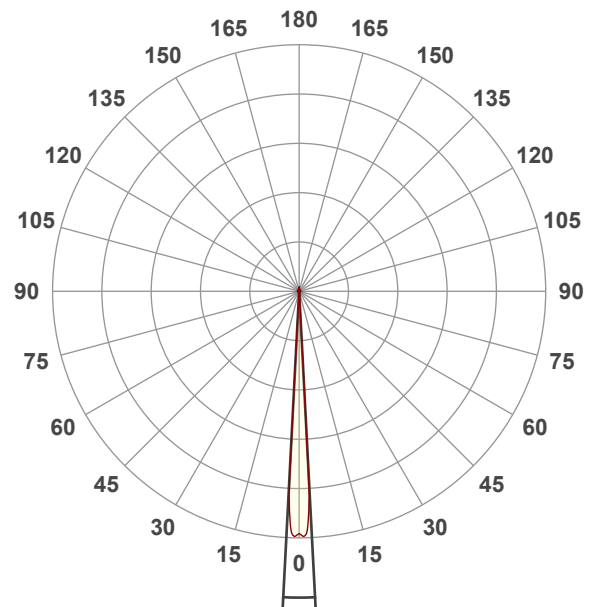
5600K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:02:54

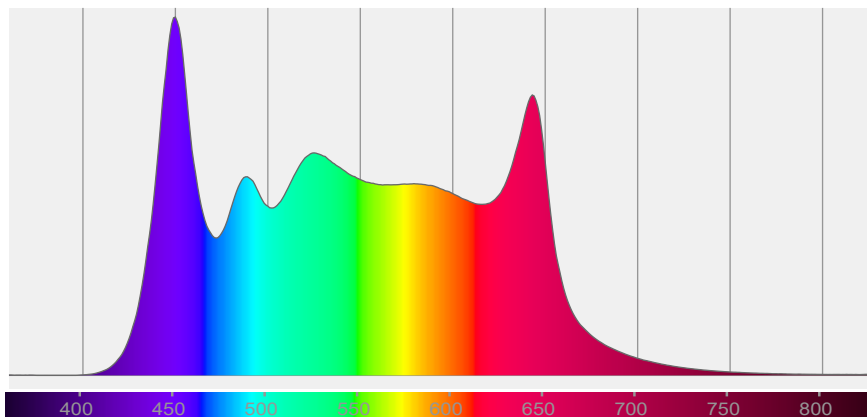


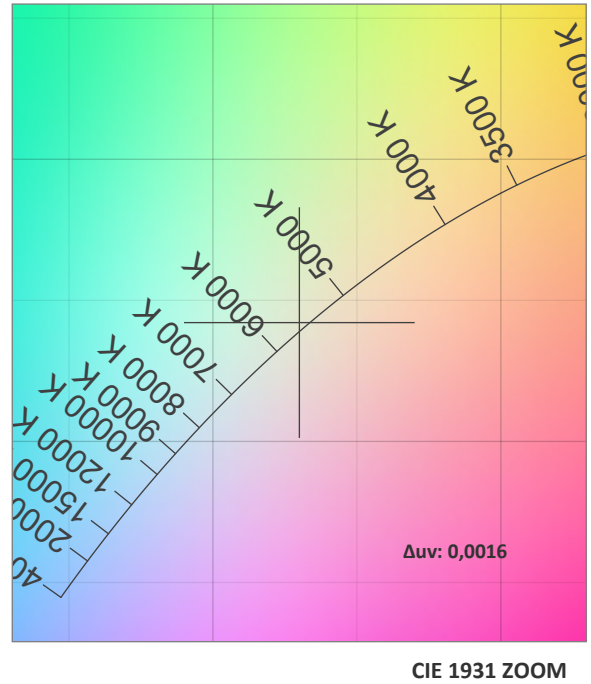
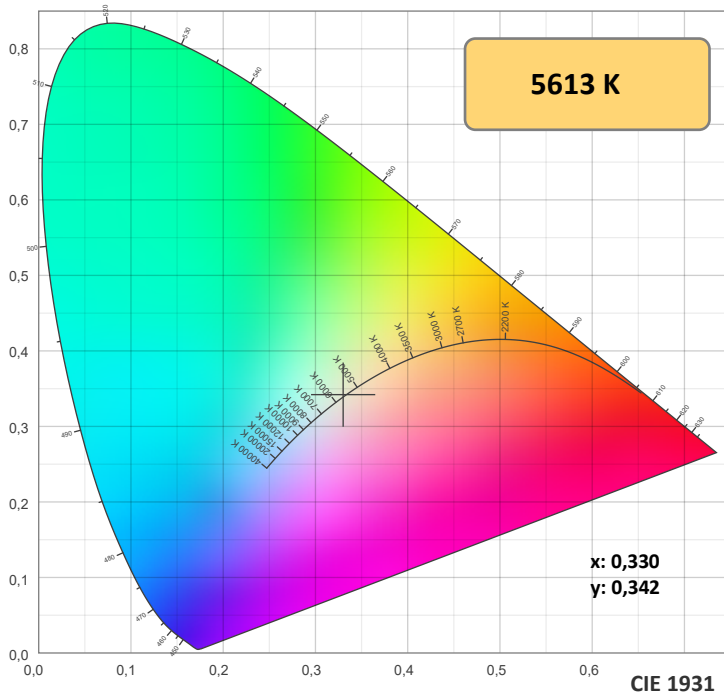
Beam angle 50%: 6°

Field angle 10%: 6,2°

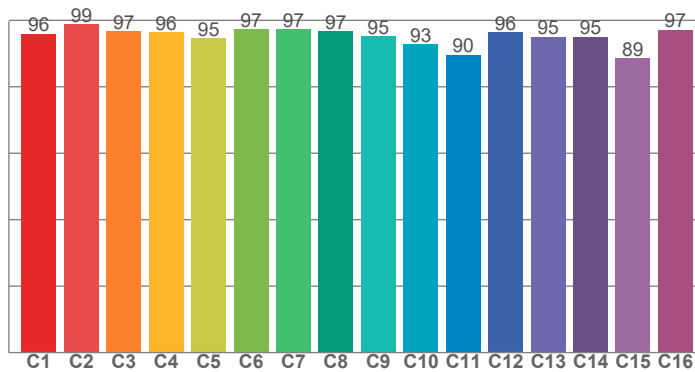
Cut off angle 2.5%: 6,6°

**Spectra**

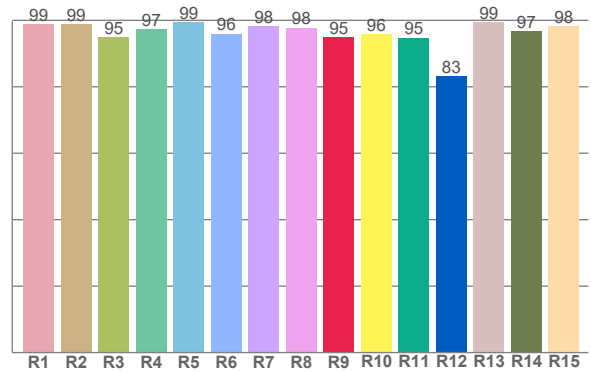




**TM30: 95,1**



**CRI: 97,7 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,8 | 98,7 | 95,0 | 97,3 | 99,4 | 96,0 | 98,3 | 97,8 | 95,0 | 95,9 | 94,8 | 83,1 | 99,5 | 96,7 | 98,1 |

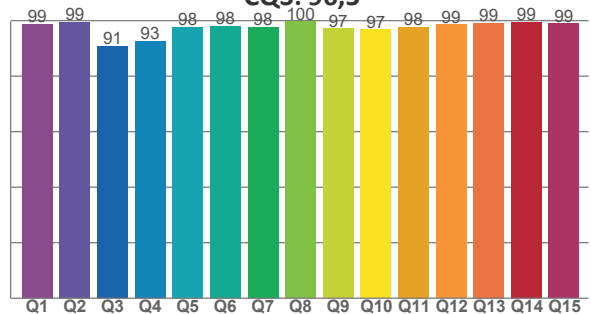
**TM30 C values, 16 binned values out of total of 99 C values**

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,0 | 98,7 | 96,7 | 96,4 | 94,6 | 97,3 | 97,4 | 96,7 | 95,2 | 92,8 | 89,6 | 96,3 | 95,1 | 95,0 | 88,6 | 97,1 |

**CQS Q values**

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,8 | 99,5 | 90,8 | 92,7 | 97,7 | 98,1 | 97,8 | 99,7 | 97,1 | 96,7 | 97,6 | 98,5 | 99,2 | 99,4 | 99,0 |

**CQS: 96,5**



## 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                         | $\Delta uv$                     |
| 5613 K            | 97,7                  | 95,0          | 95,1           | 101,7       | 96,5                | 98                        | 0,330                     | 0,342                     | 0,0016                          |

## TM30 DETAILS

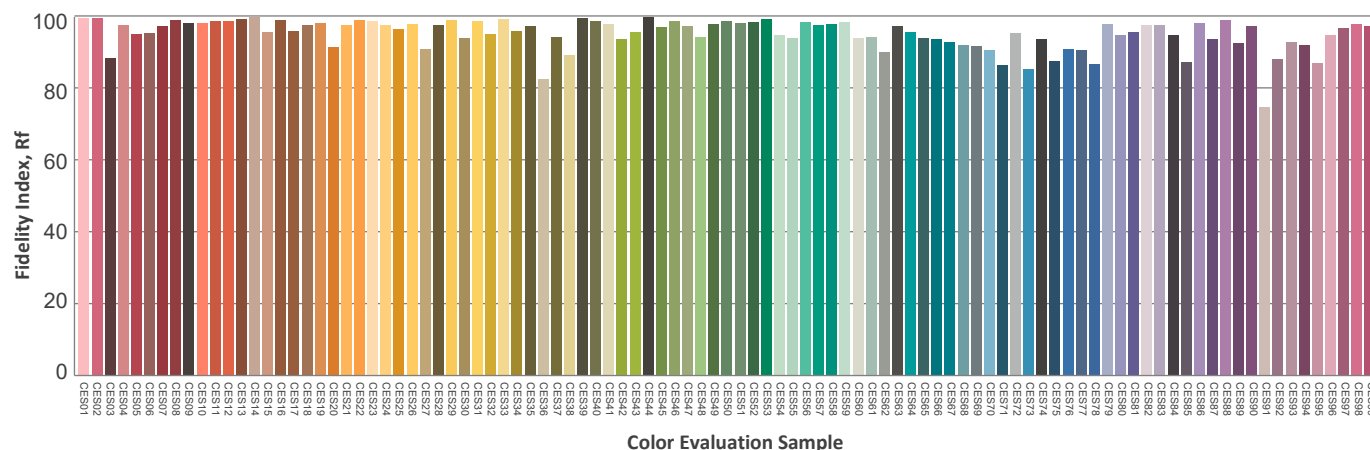
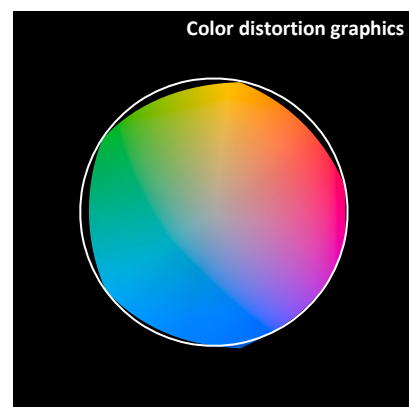
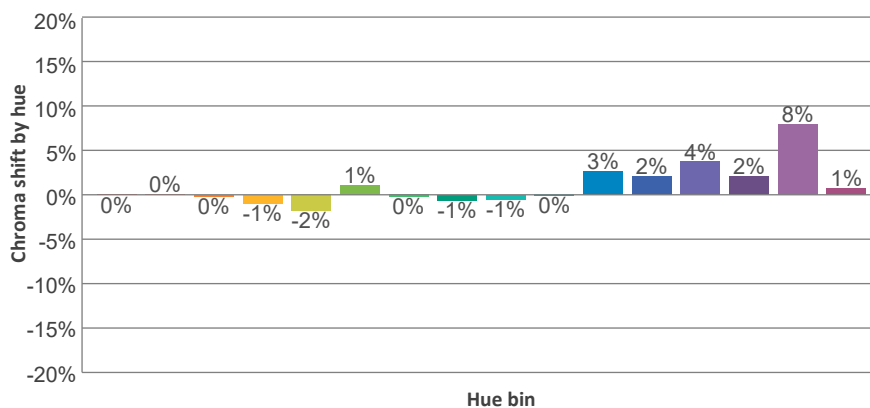
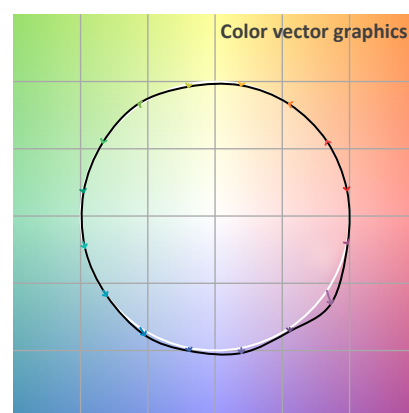
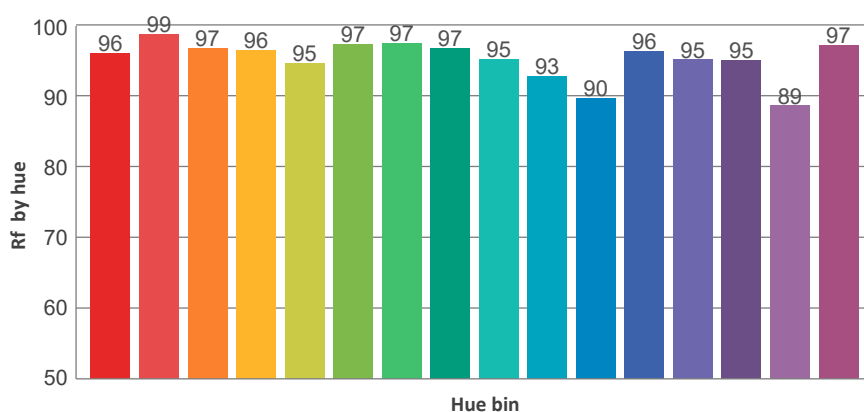
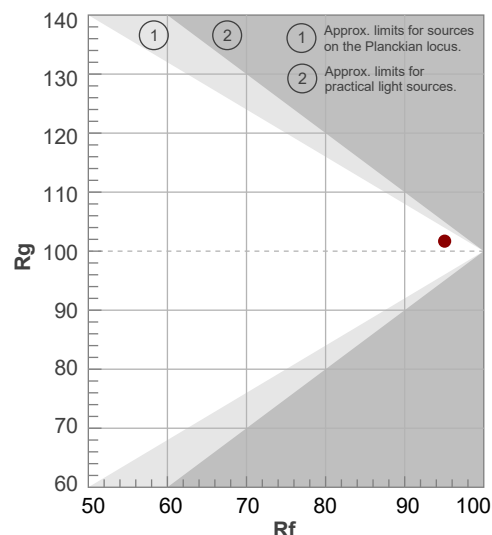
**Rf 95,1**

Fidelity index Rf

**Rg 101,7**

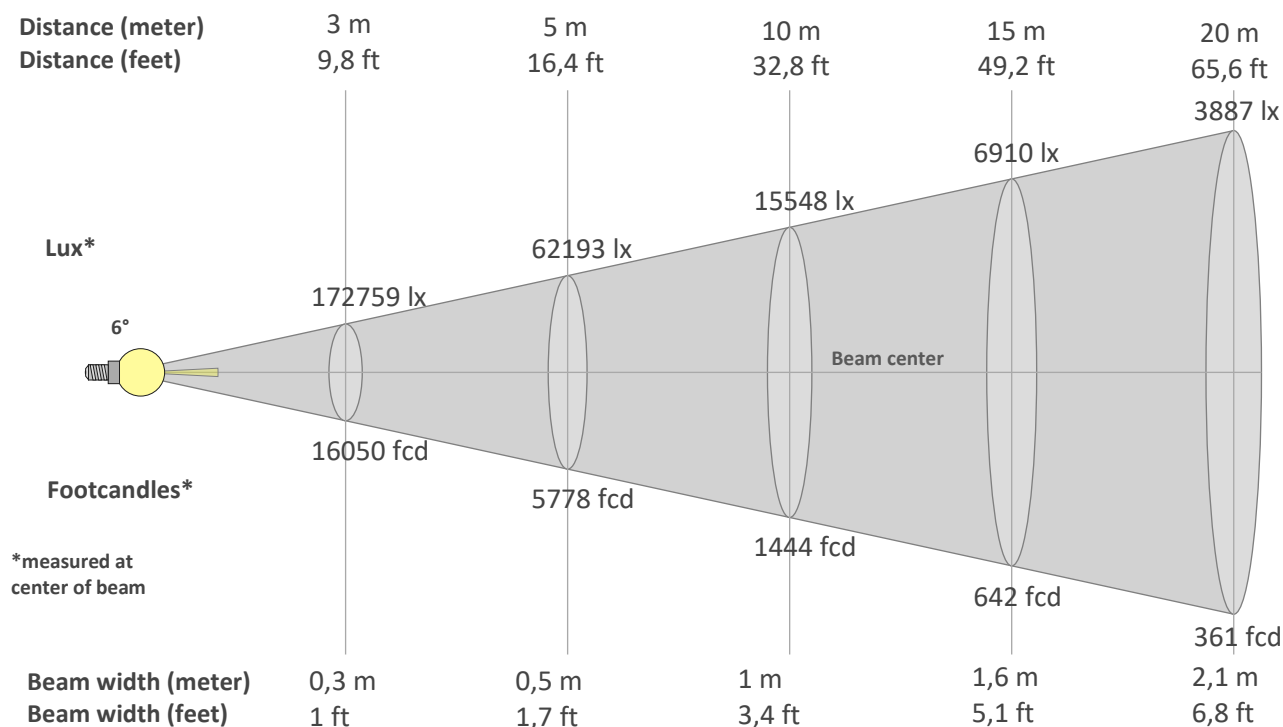
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
|         |                | Chroma             | Hue |
| 1       | 96             | 0%                 | 0%  |
| 2       | 99             | 0%                 | 0%  |
| 3       | 97             | 0%                 | 1%  |
| 4       | 96             | -1%                | 0%  |
| 5       | 95             | -2%                | 1%  |
| 6       | 97             | 1%                 | 1%  |
| 7       | 97             | 0%                 | 1%  |
| 8       | 97             | -1%                | 2%  |
| 9       | 95             | -1%                | 4%  |
| 10      | 93             | 0%                 | 5%  |
| 11      | 90             | 3%                 | 6%  |
| 12      | 96             | 2%                 | 1%  |
| 13      | 95             | 4%                 | 0%  |
| 14      | 95             | 2%                 | -1% |
| 15      | 89             | 8%                 | -6% |
| 16      | 97             | 1%                 | -1% |



## BEAM DETAILS

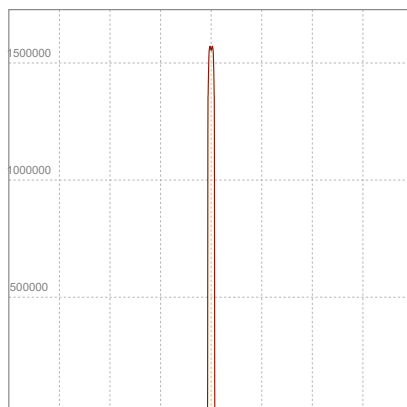
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 6°             | 6,2°            | 6,6°               | 88,5%                        | 83,7%                       |



### 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       | 1554835lx | 388709lx | 172759lx | 97177lx | 62193lx | 27642lx | 15548lx | 6910lx | 3887lx | 2488lx | 1728lx | 972lx   | 622lx  |
| Footcand. | 144449fcd | 36112fcd | 16050fcd | 9028fcd | 5778fcd | 2568fcd | 1444fcd | 642fcd | 361fcd | 231fcd | 160fcd | 90fcd   | 58fcd  |
| Beam wid. | 0,1m      | 0,2m     | 0,3m     | 0,4m    | 0,5m    | 0,8m    | 1m      | 1,6m   | 2,1m   | 2,6m   | 3,1m   | 4,2m    | 5,2m   |
| Beam wid. | 0,3ft     | 0,7ft    | 1ft      | 1,4ft   | 1,7ft   | 2,6ft   | 3,4ft   | 5,1ft  | 6,8ft  | 8,5ft  | 10,2ft | 13,6ft  | 17,1ft |

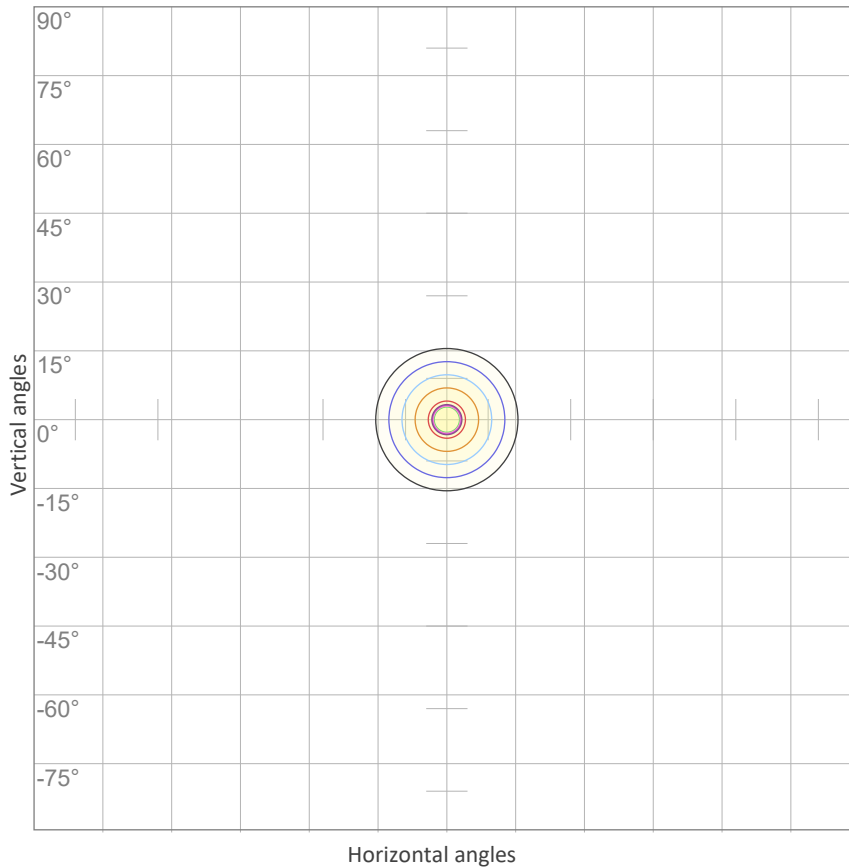
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 224V          | 5,57A         | 1228,9W     | 0,99     | 13lm/W     |

## ISO CANDELA DIAGRAM



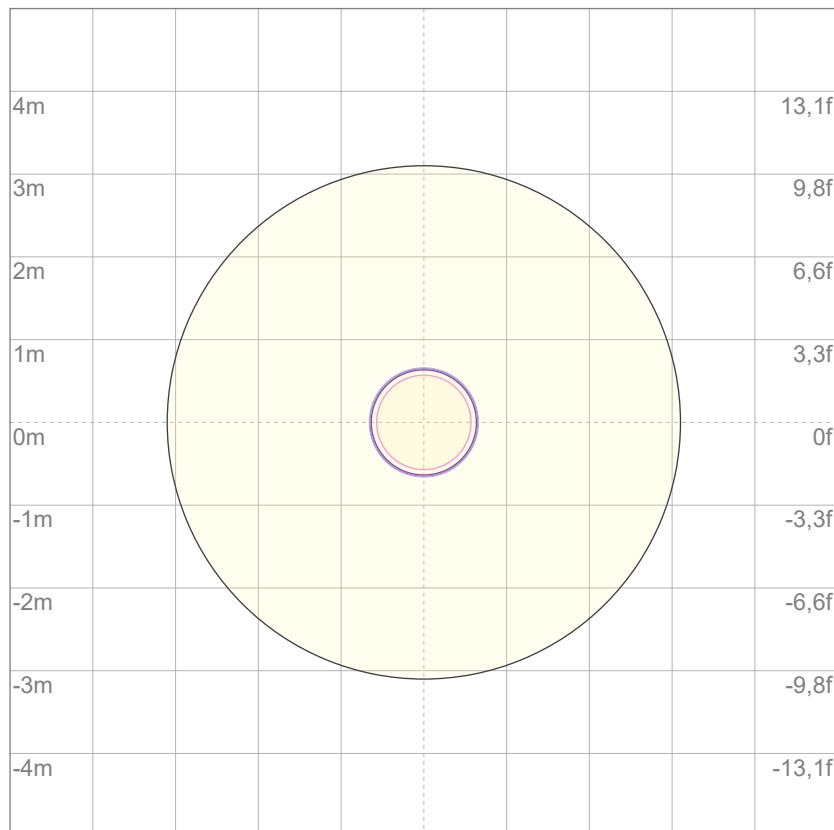
|     |            |
|-----|------------|
| 10% | 155483 cd  |
| 20% | 310967 cd  |
| 30% | 466450 cd  |
| 40% | 621934 cd  |
| 50% | 777417 cd  |
| 60% | 932901 cd  |
| 70% | 1088384 cd |
| 80% | 1243868 cd |
| 90% | 1399351 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1554835 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 466 lx  |
| 5%  | 777 lx  |
| 10% | 1555 lx |
| 30% | 4665 lx |
| 50% | 7774 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 15,5K lx

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



Total lumen output:

20373 lm

Peak candela output:

38508 cd

Light quality:

CRI: 97,7

Color temperature:

6037 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Max Zoom

Target:

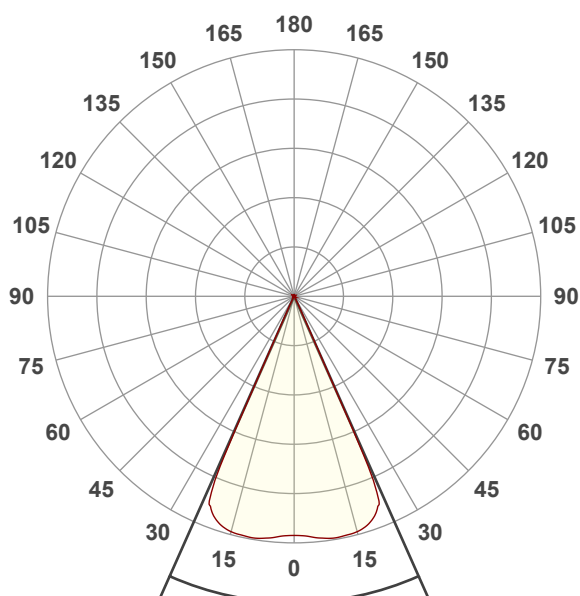
6000K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 16:25:51

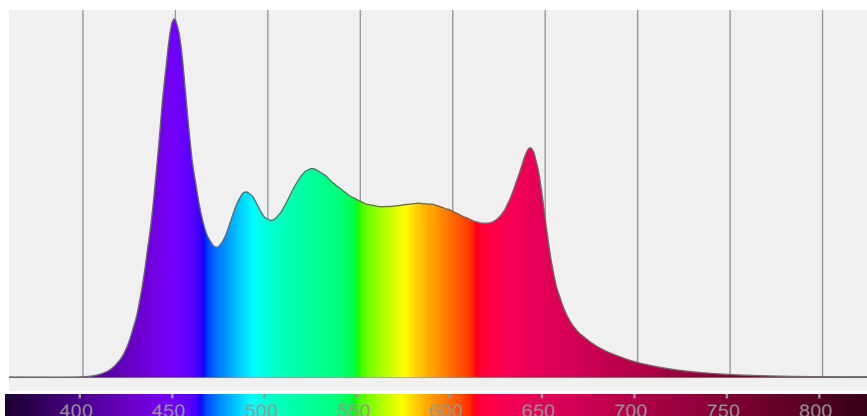


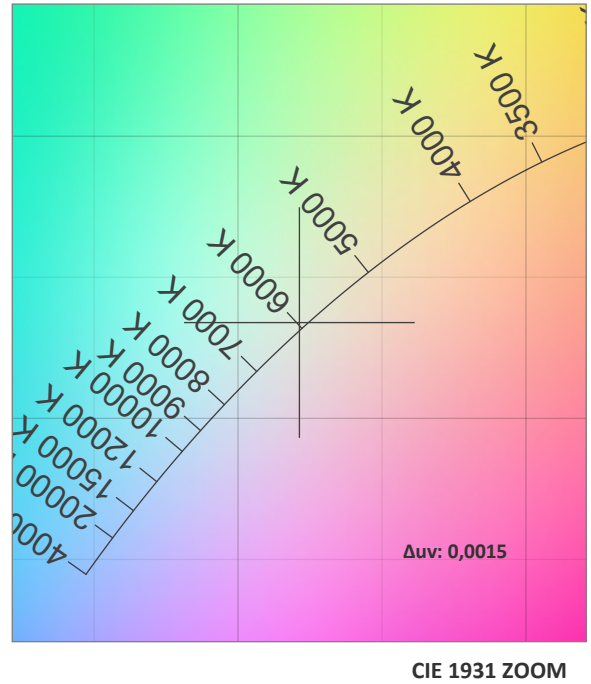
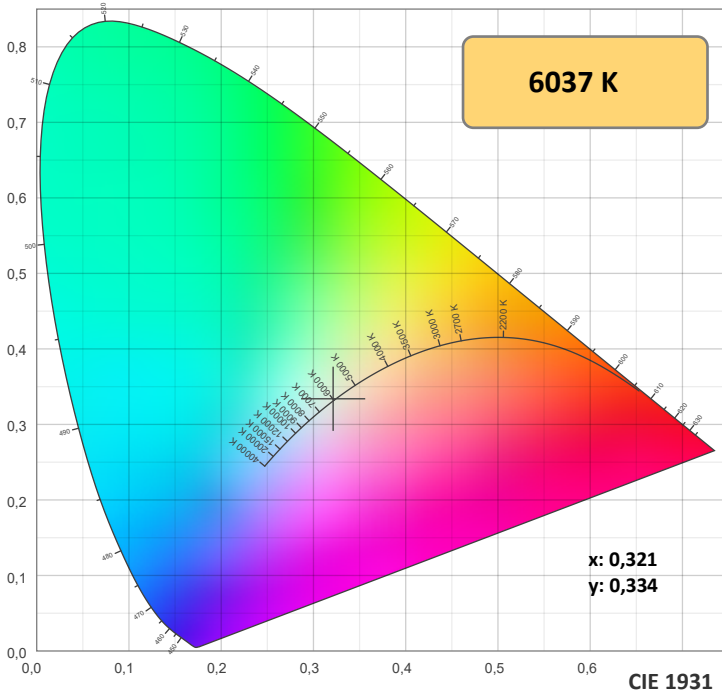
Beam angle 50%: 48°

Field angle 10%: 49,4°

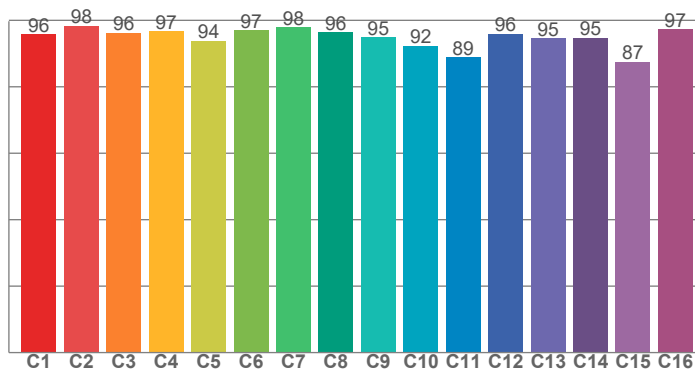
Cut off angle 2.5%: 50,8°

Spectra

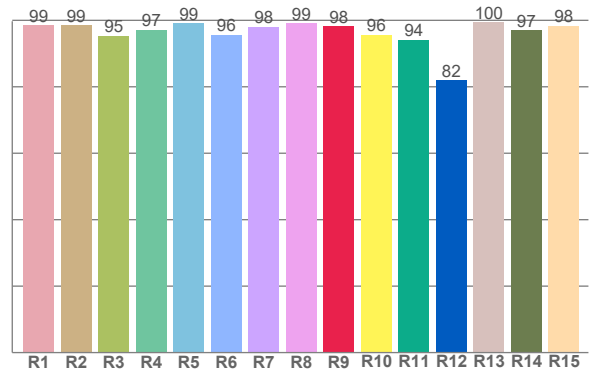




**TM30: 94,7**



**CRI: 97,7 (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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,6 | 98,5 | 95,4 | 97,2 | 99,2 | 95,7 | 98,1 | 99,1 | 98,2 | 95,7 | 94,2 | 82,0 | 99,5 | 97,0 | 98,4 |

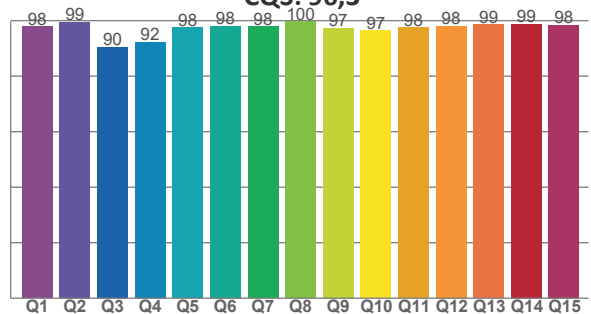
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,8 | 98,3 | 96,3 | 96,6 | 93,9 | 97,0 | 97,9 | 96,5 | 94,9 | 92,4 | 88,9 | 95,9 | 94,6 | 94,8 | 87,5 | 97,3 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,9 | 99,4 | 90,4 | 92,2 | 97,5 | 98,0 | 97,8 | 99,6 | 97,4 | 96,5 | 97,6 | 98,1 | 98,5 | 98,8 | 98,4 |

**CQS: 96,3**



## 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                         | $\Delta uv$                     |
| 6037 K            | 97,7                  | 98,2          | 94,7           | 101,6       | 96,3                | 97                        | 0,321                     | 0,334                     | 0,0015                          |

## TM30 DETAILS

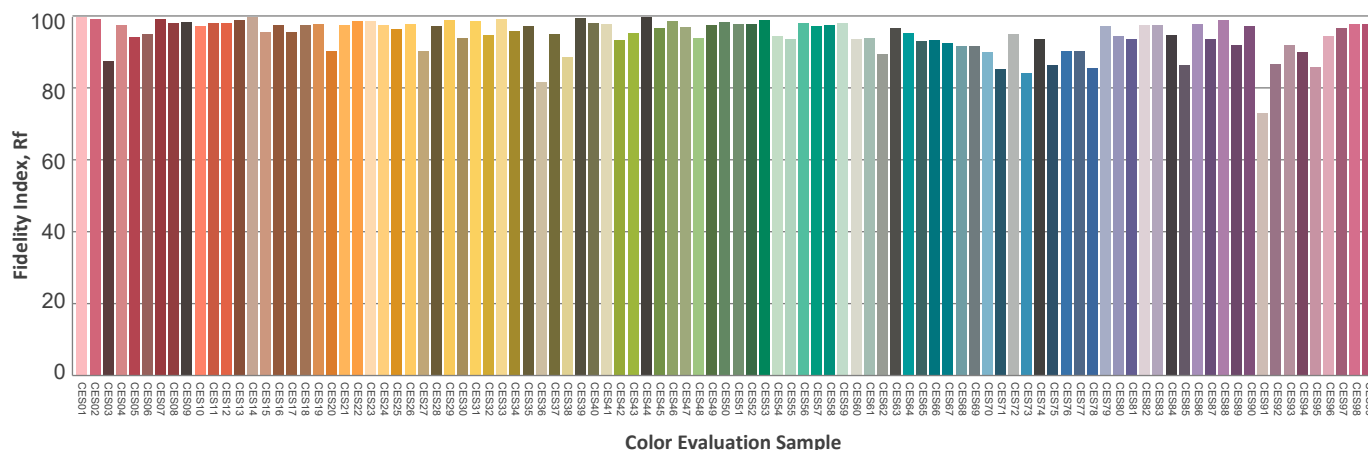
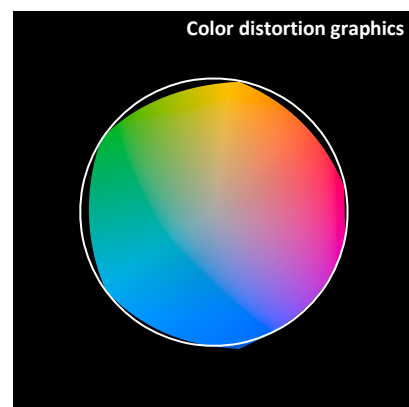
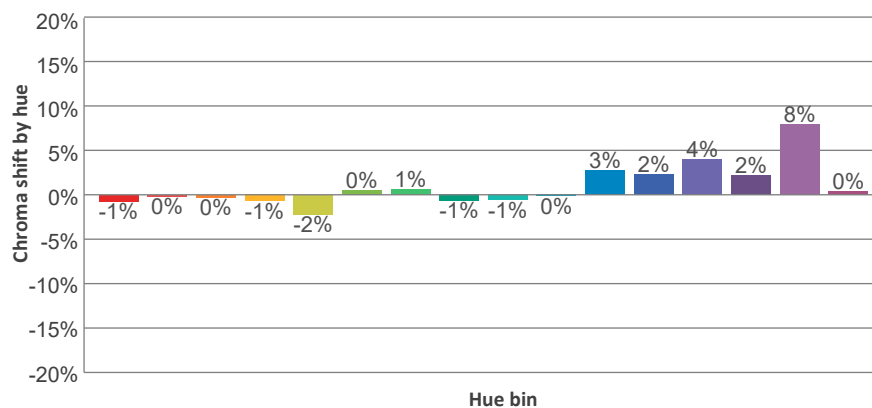
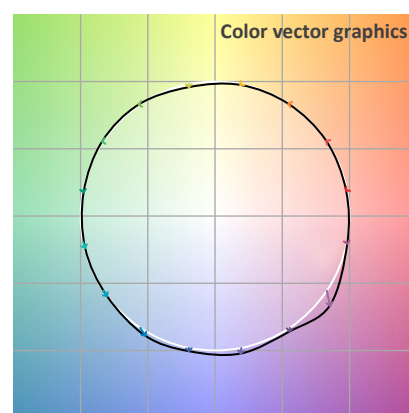
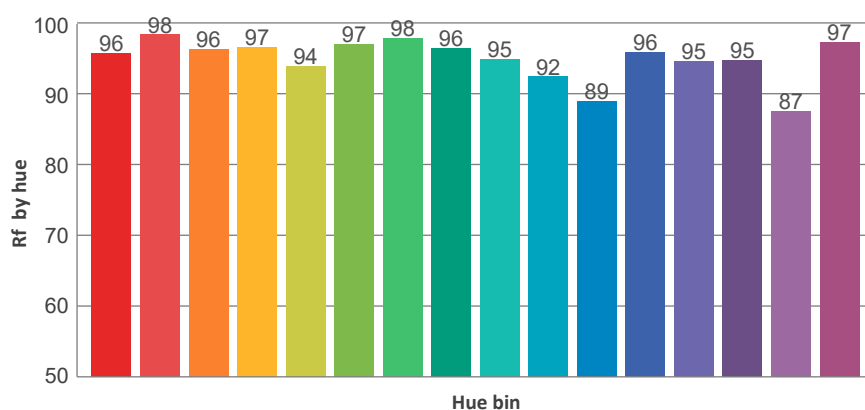
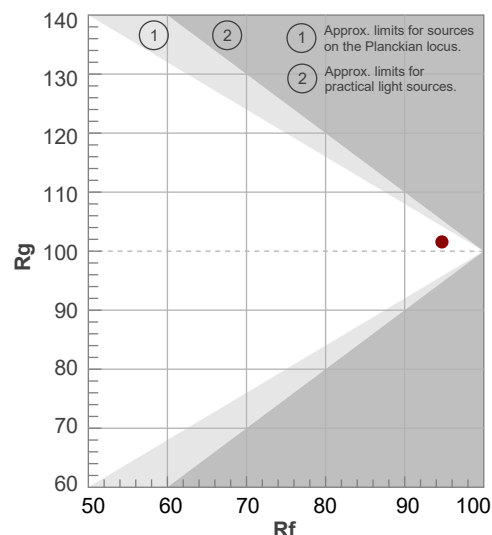
**Rf 94,7**

Fidelity index Rf

**Rg 101,6**

Gammut index Rg

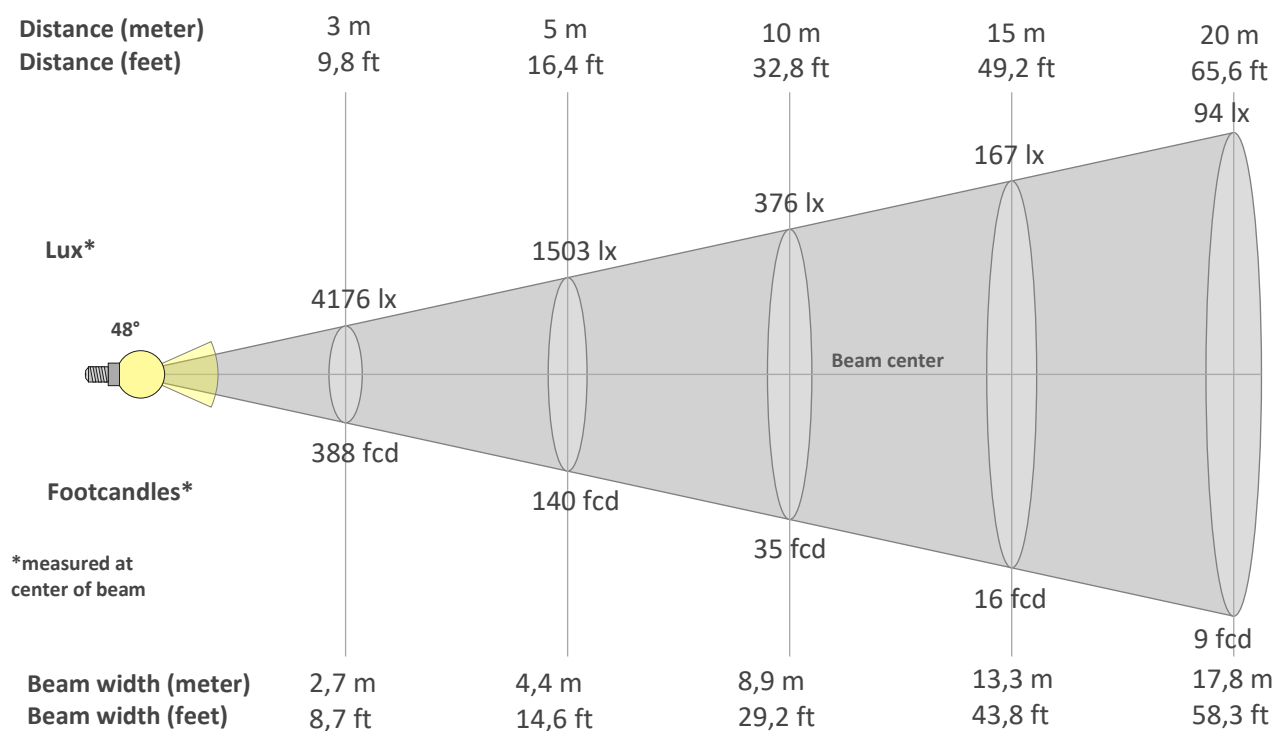
| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
|         |                | Chroma             | Hue |
| 1       | 96             | -1%                | 0%  |
| 2       | 98             | 0%                 | 0%  |
| 3       | 96             | 0%                 | 1%  |
| 4       | 97             | -1%                | 0%  |
| 5       | 94             | -2%                | 0%  |
| 6       | 97             | 0%                 | 1%  |
| 7       | 98             | 1%                 | 1%  |
| 8       | 96             | -1%                | 2%  |
| 9       | 95             | -1%                | 4%  |
| 10      | 92             | 0%                 | 5%  |
| 11      | 89             | 3%                 | 6%  |
| 12      | 96             | 2%                 | 1%  |
| 13      | 95             | 4%                 | -1% |
| 14      | 95             | 2%                 | -2% |
| 15      | 87             | 8%                 | -8% |
| 16      | 97             | 0%                 | -1% |





## BEAM DETAILS

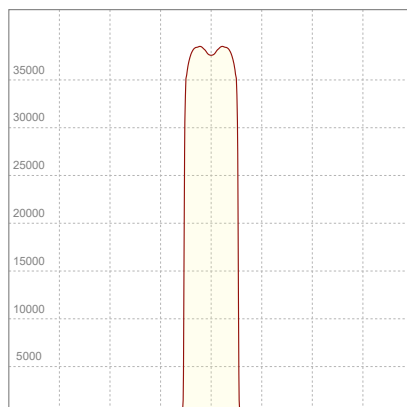
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 48°            | 49,4°           | 50,8°              | 99,8%                        | 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   |
| <b>Lux</b>       | 37586lx | 9397lx | 4176lx | 2349lx | 1503lx | 668lx  | 376lx  | 167lx  | 94lx   | 60lx   | 42lx   | 23lx    | 15lx    |
| <b>Footcand.</b> | 3492fcd | 873fcd | 388fcd | 218fcd | 140fcd | 62fcd  | 35fcd  | 16fcd  | 9fcd   | 6fcd   | 4fcd   | 2fcd    | 1fcd    |
| <b>Beam wid.</b> | 0,9m    | 1,8m   | 2,7m   | 3,6m   | 4,4m   | 6,7m   | 8,9m   | 13,3m  | 17,8m  | 22,2m  | 26,7m  | 35,6m   | 44,5m   |
| <b>Beam wid.</b> | 2,9ft   | 5,9ft  | 8,7ft  | 11,7ft | 14,6ft | 21,9ft | 29,2ft | 43,8ft | 58,3ft | 72,9ft | 87,5ft | 116,7ft | 145,9ft |

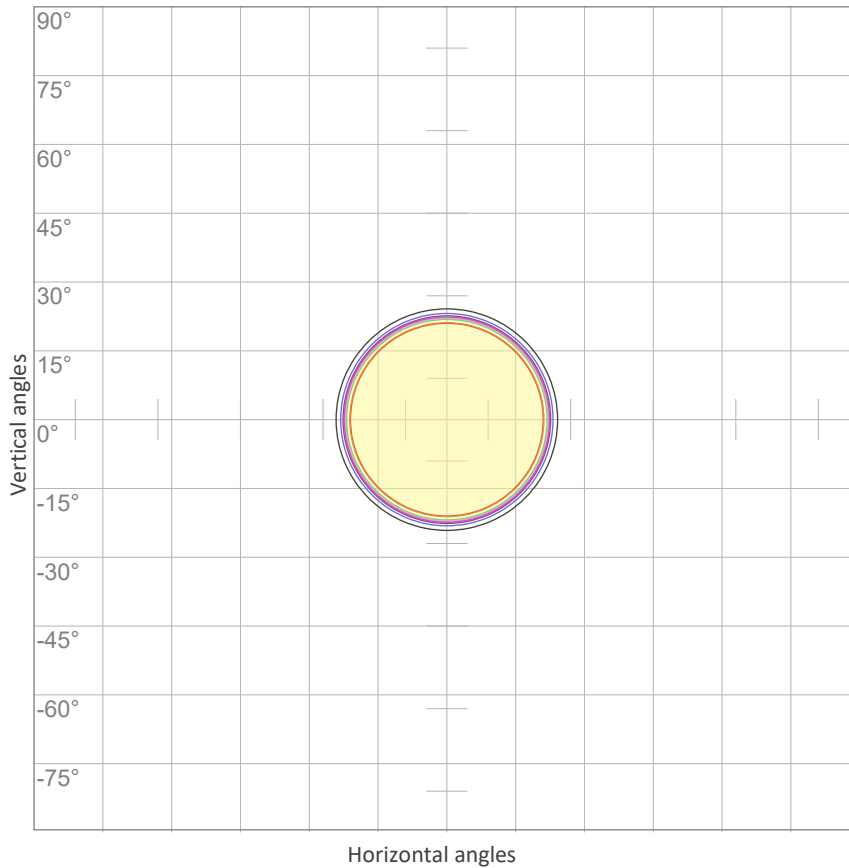
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 225V          | 5,79A         | 1284,9W     | 0,99     | 16lm/W     |

## ISO CANDELA DIAGRAM



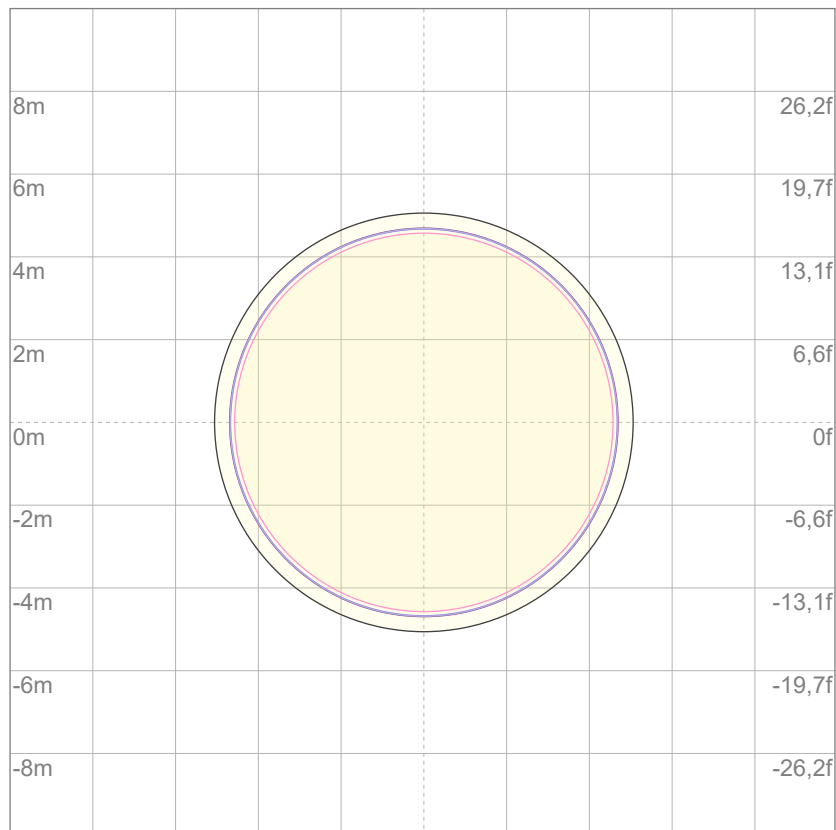
|     |          |
|-----|----------|
| 10% | 3759 cd  |
| 20% | 7517 cd  |
| 30% | 11276 cd |
| 40% | 15035 cd |
| 50% | 18793 cd |
| 60% | 22552 cd |
| 70% | 26310 cd |
| 80% | 30069 cd |
| 90% | 33828 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 37586 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 11,3 lx |
| 5%  | 18,8 lx |
| 10% | 37,6 lx |
| 30% | 113 lx  |
| 50% | 188 lx  |

### Conditions:

Number of c-planes: 2

Lux at center: 376 lx

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



Total lumen output:

19928 lm

Peak candela output:

266062 cd

Light quality:

CRI: 97,8

Color temperature:

5990 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASURAMENT CONDITIONS:**

Beam angle:

Med Zoom

Target:

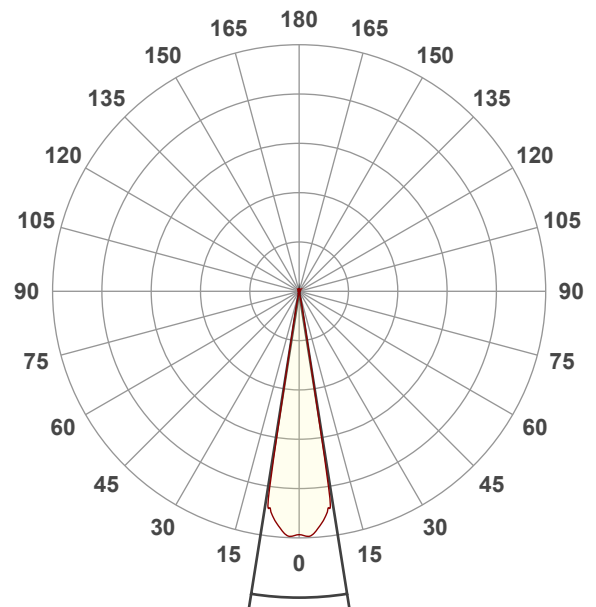
6000K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:20:25

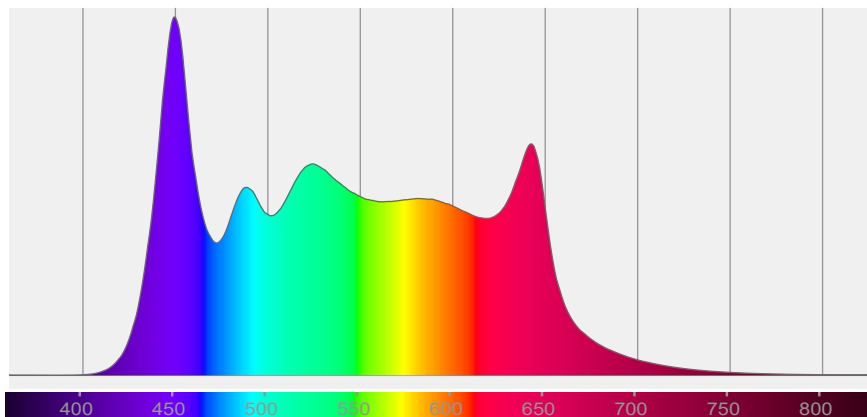


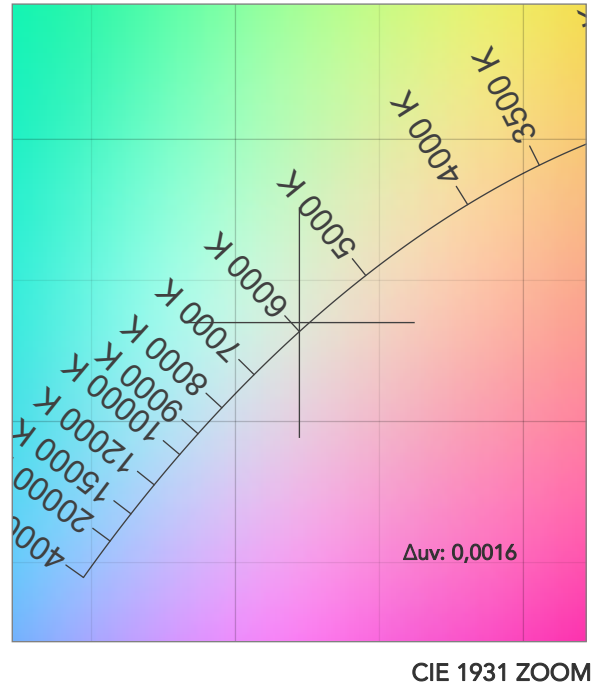
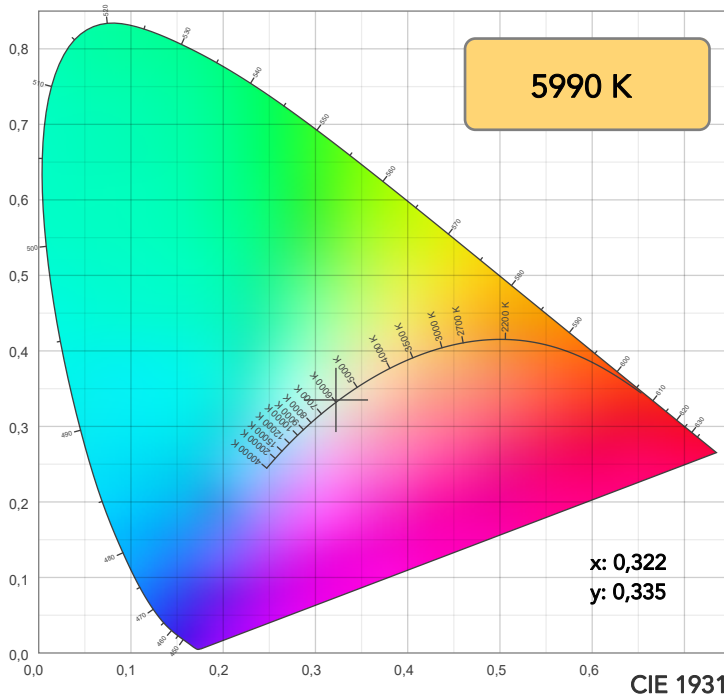
Beam angle 50%: 18°

Field angle 10%: 19,7°

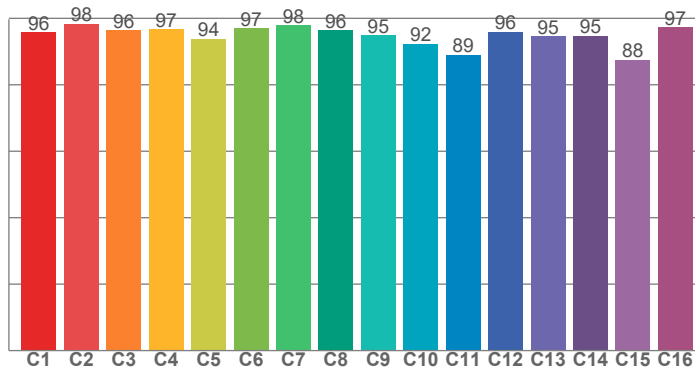
Cut off angle 2.5%: 20,7°

**Spectra**

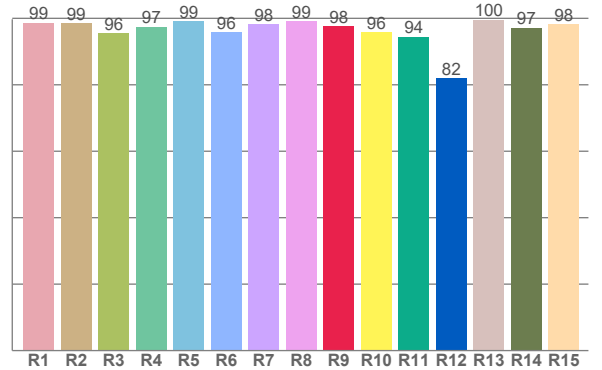




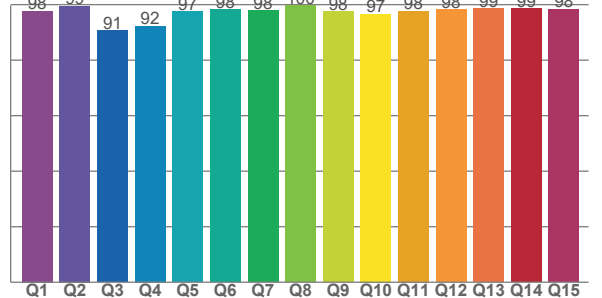
TM30: 94,7



CRI: 97,8 (R1-R8)



CQS: 96,3



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 | 98,6 | 95,6 | 97,5 | 99,2 | 95,7 | 98,2 | 99,1 | 97,7 | 95,8 | 94,5 | 82,0 | 99,6 | 97,1 | 98,3 |

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  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,7 | 98,3 | 96,4 | 96,7 | 93,8 | 97,0 | 97,9 | 96,4 | 94,8 | 92,4 | 89,0 | 96,0 | 94,6 | 94,8 | 87,5 | 97,3 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,7 | 99,5 | 90,6 | 92,3 | 97,5 | 98,2 | 97,9 | 99,6 | 97,5 | 96,7 | 97,7 | 98,2 | 98,5 | 98,7 | 98,3 |

## COLOR PARAMETERS

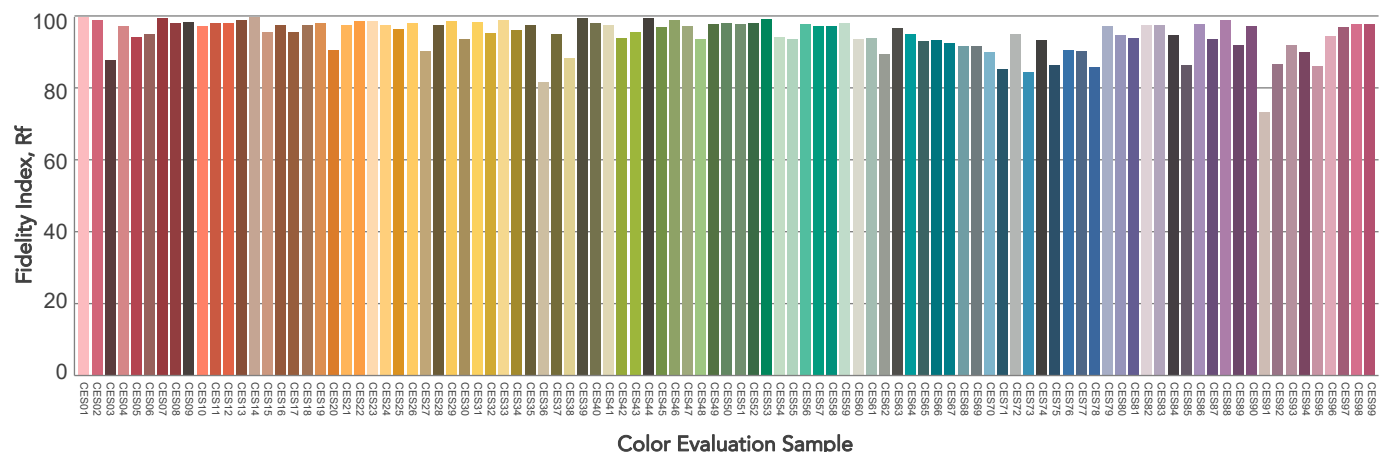
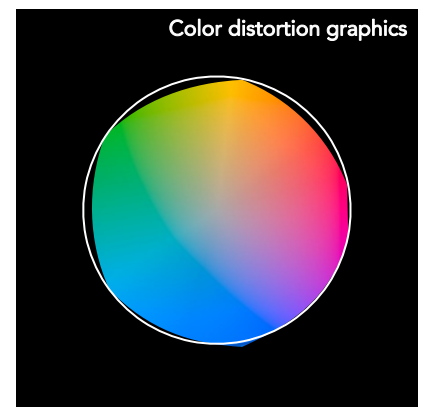
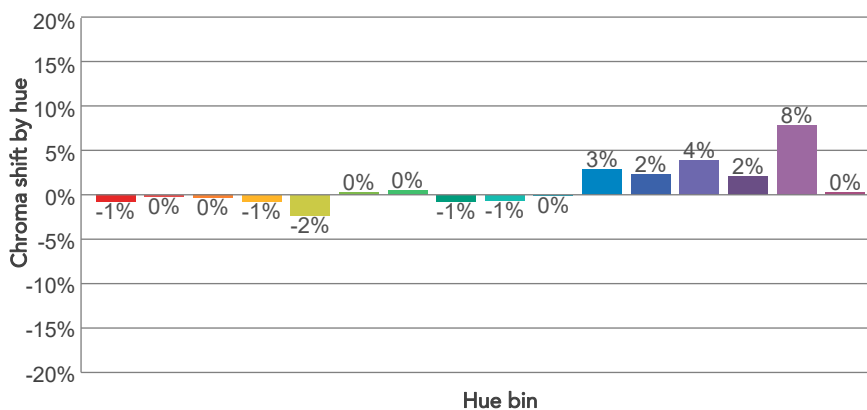
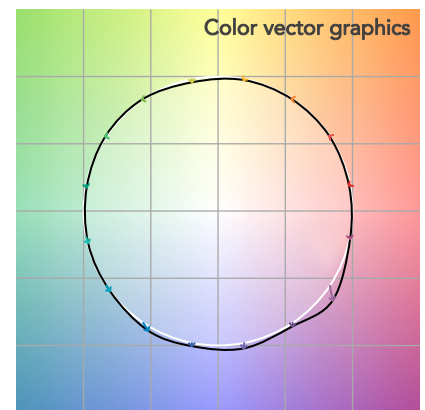
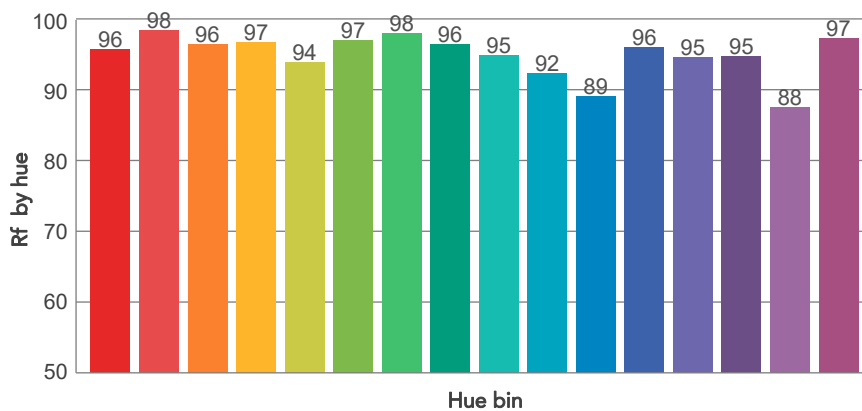
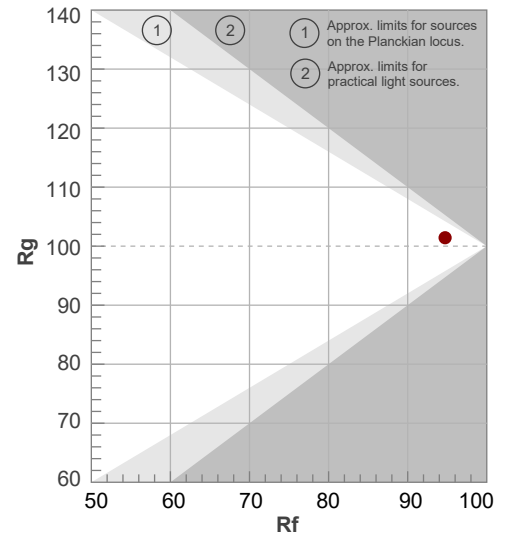
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT               | CRI                   | CRI R9        | TM30 Rf        | TM30 Rg     | CQS                 | TLCI                      | x                         | y                         | Δuv                             |
| 5990 K            | 97,8                  | 97,7          | 94,7           | 101,4       | 96,3                | 97                        | 0,322                     | 0,335                     | 0,0016                          |

# TM30 DETAILS

**Rf 94,7**  
Fidelity index Rf

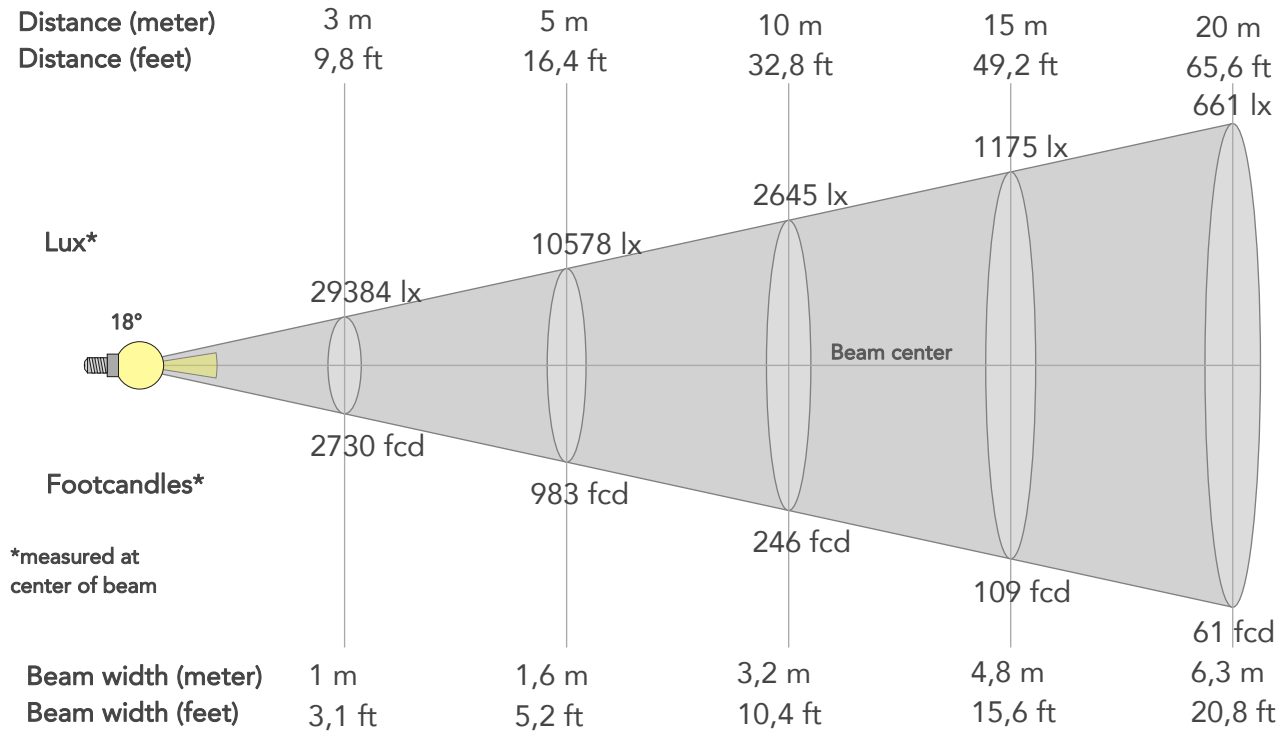
**Rg 101,4**  
Gammut index

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
|         |                | Chroma             | Hue |
| 1       | 96             | -1%                | 0%  |
| 2       | 98             | 0%                 | 0%  |
| 3       | 96             | 0%                 | 1%  |
| 4       | 97             | -1%                | 0%  |
| 5       | 94             | -2%                | 0%  |
| 6       | 97             | 0%                 | 1%  |
| 7       | 98             | 0%                 | 1%  |
| 8       | 96             | -1%                | 2%  |
| 9       | 95             | -1%                | 5%  |
| 10      | 92             | 0%                 | 5%  |
| 11      | 89             | 3%                 | 6%  |
| 12      | 96             | 2%                 | 0%  |
| 13      | 95             | 4%                 | -1% |
| 14      | 95             | 2%                 | -2% |
| 15      | 88             | 8%                 | -8% |
| 16      | 97             | 0%                 | -1% |



## BEAM DETAILS

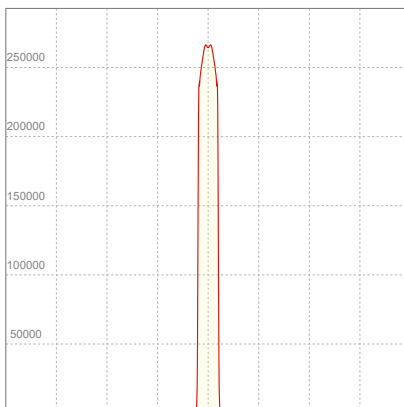
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 18°            | 19,7°           | 20,7°              | 99,7%                        | 99,5%                       |



### 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       | 264460lx | 66115lx | 29384lx | 16529lx | 10578lx | 4702lx | 2645lx | 1175lx | 661lx  | 423lx | 294lx  | 165lx   | 106lx |
| Footcand. | 24569fcd | 6142fcd | 2730fcd | 1536fcd | 983fcd  | 437fcd | 246fcd | 109fcd | 61fcd  | 39fcd | 27fcd  | 15fcd   | 10fcd |
| Beam wid. | 0,3m     | 0,6m    | 1m      | 1,3m    | 1,6m    | 2,4m   | 3,2m   | 4,8m   | 6,3m   | 7,9m  | 9,5m   | 12,7m   | 15,8m |
| Beam wid. | 1ft      | 2,1ft   | 3,1ft   | 4,2ft   | 5,2ft   | 7,8ft  | 10,4ft | 15,6ft | 20,8ft | 26ft  | 31,2ft | 41,6ft  | 52ft  |

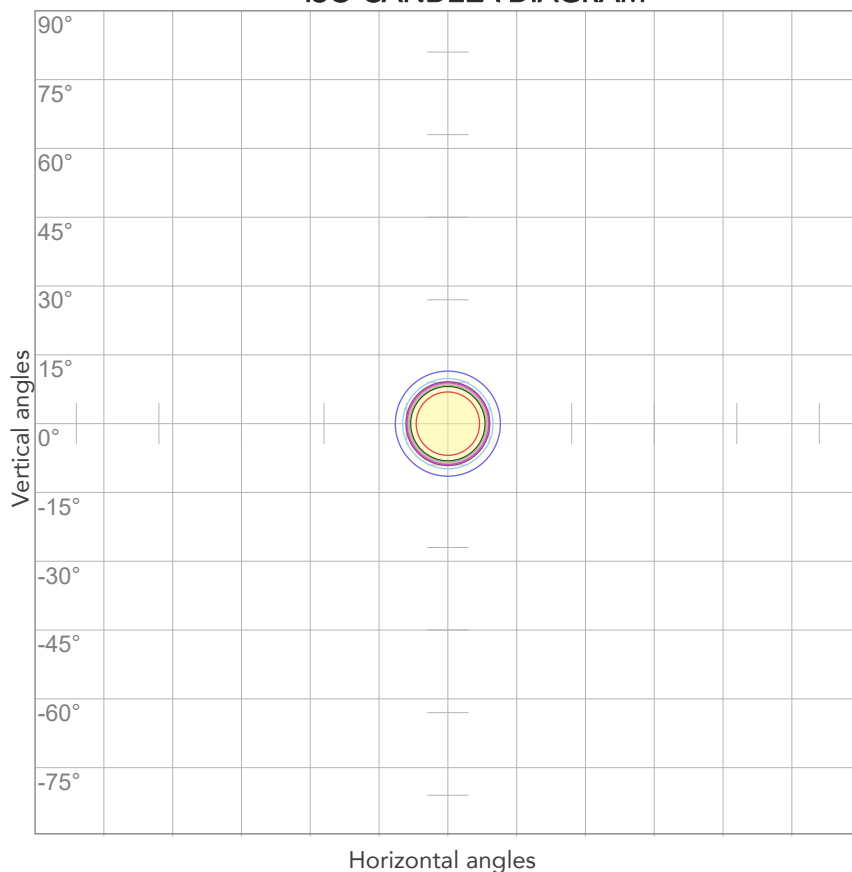
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 223V          | 5,60A         | 1231,6W     | 0,99     | 16lm/W     |

## ISO CANDELA DIAGRAM



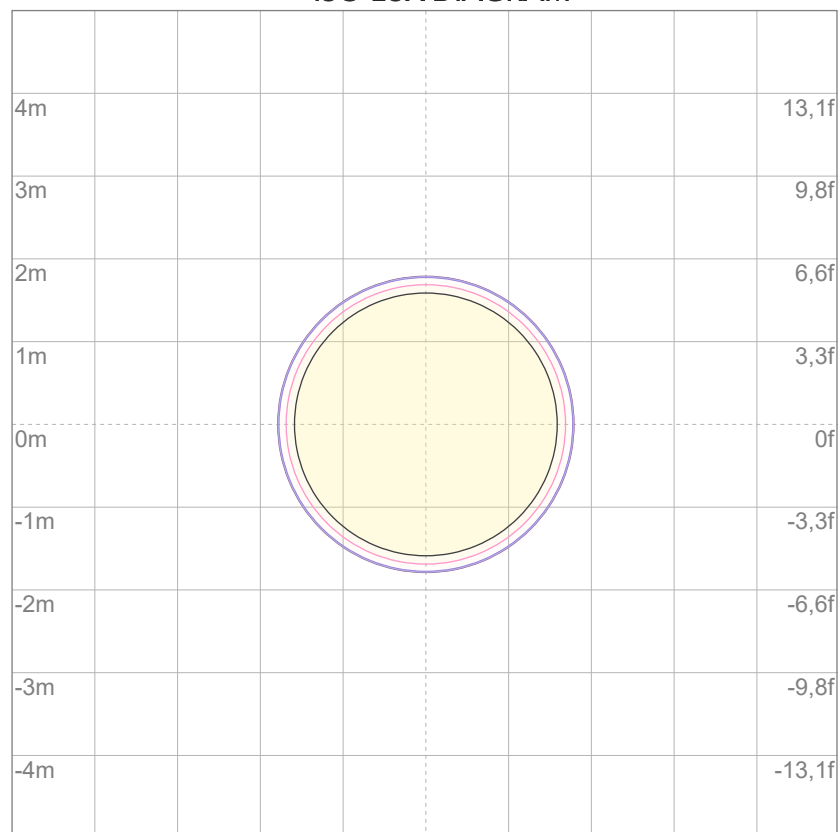
|     |           |
|-----|-----------|
| 10% | 26446 cd  |
| 20% | 52892 cd  |
| 30% | 79338 cd  |
| 40% | 105784 cd |
| 50% | 132230 cd |
| 60% | 158676 cd |
| 70% | 185122 cd |
| 80% | 211568 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 264460 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 79,3 lx |
| 5%  | 132 lx  |
| 10% | 264 lx  |
| 30% | 793 lx  |
| 50% | 1322 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 2645 lx

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



Total lumen output:

12892 lm

Peak candela output:

1431553 cd

Light quality:

CRI: 98,2

Color temperature:

6038 K

**PRODUCT NAME:**

MUSEP70CTP

**MEASUREMENT CONDITIONS:**

Beam angle:

Min Zoom

Target:

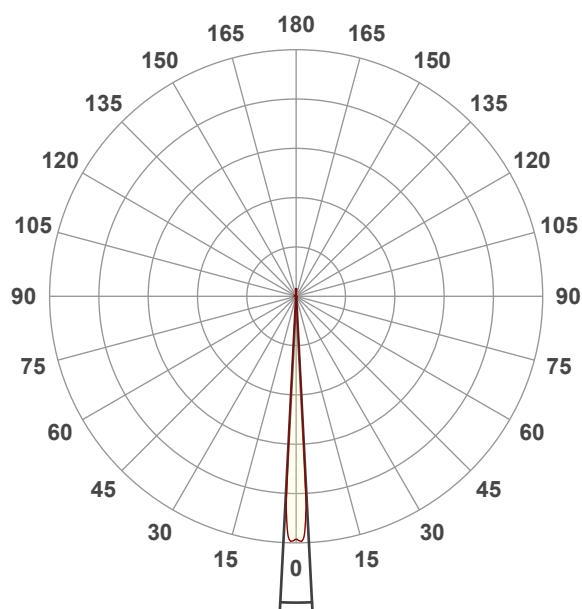
6000K - HB

Operator:

Giuseppe della Peruta

Date and time:

19/09/2025 15:12:47

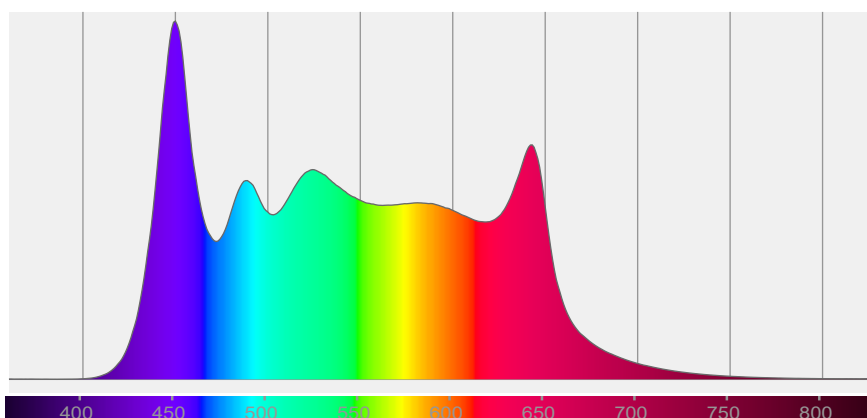


Beam angle 50%: 5,9°

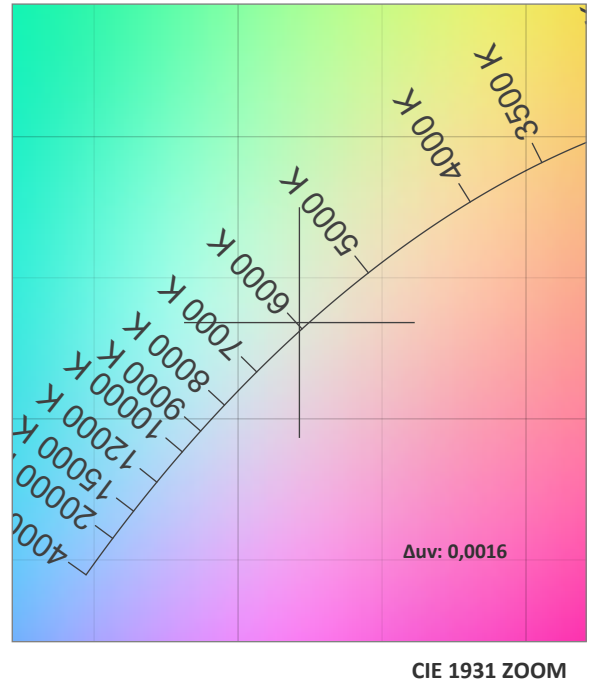
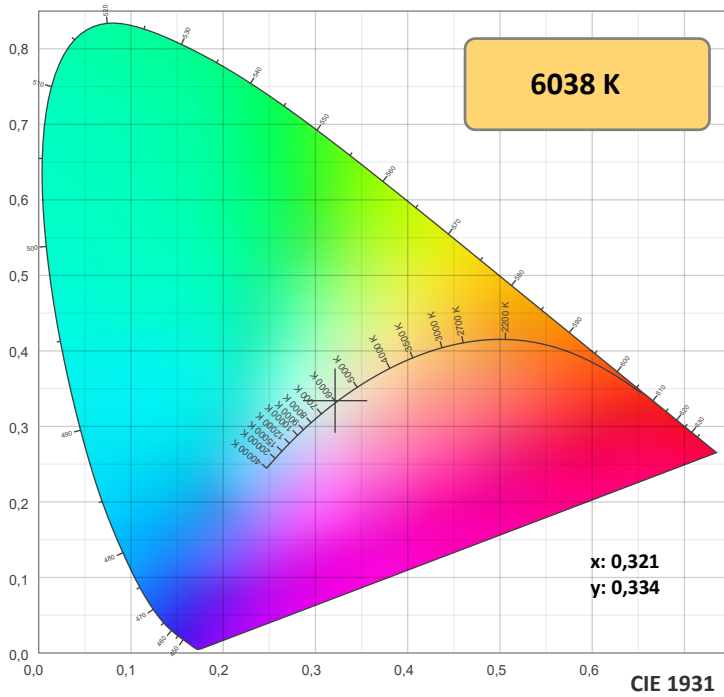
Field angle 10%: 6,4°

Cut off angle 2.5%: 6,5°

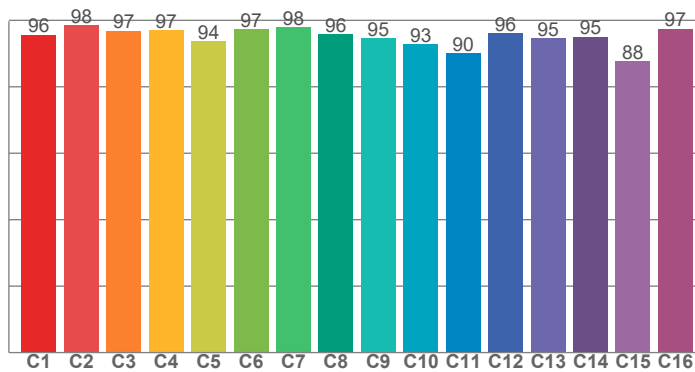
Spectra



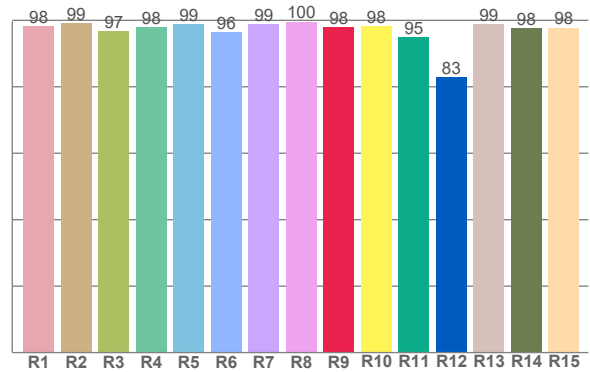




**TM30: 94,9**



**CRI: 98,2 (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 | 99,3 | 96,7 | 98,0 | 98,9 | 96,3 | 98,9 | 99,6 | 98,0 | 98,1 | 94,9 | 83,0 | 98,7 | 97,7 | 97,8 |

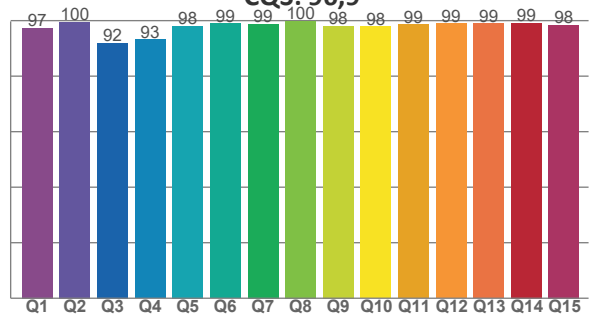
TM30 C values, 16 binned values out of total of 99 C values

| C1   | C2   | C3   | C4   | C5   | C6   | C7   | C8   | C9   | C10  | C11  | C12  | C13  | C14  | C15  | C16  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,7 | 98,5 | 96,9 | 97,0 | 93,7 | 97,4 | 97,9 | 95,8 | 94,6 | 92,8 | 90,0 | 96,1 | 94,6 | 95,0 | 87,7 | 97,5 |

CQS Q values

| Q1   | Q2   | Q3   | Q4   | Q5   | Q6   | Q7   | Q8   | Q9   | Q10  | Q11  | Q12  | Q13  | Q14  | Q15  |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,3 | 99,5 | 91,9 | 93,3 | 98,0 | 99,0 | 98,7 | 99,9 | 98,1 | 97,9 | 98,7 | 99,0 | 99,0 | 99,1 | 98,4 |

**CQS: 96,9**



## 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                         | $\Delta uv$                     |
| 6038 K            | 98,2                  | 98,0          | 94,9           | 101,2       | 96,9                | 98                        | 0,321                     | 0,334                     | 0,0016                          |

## TM30 DETAILS

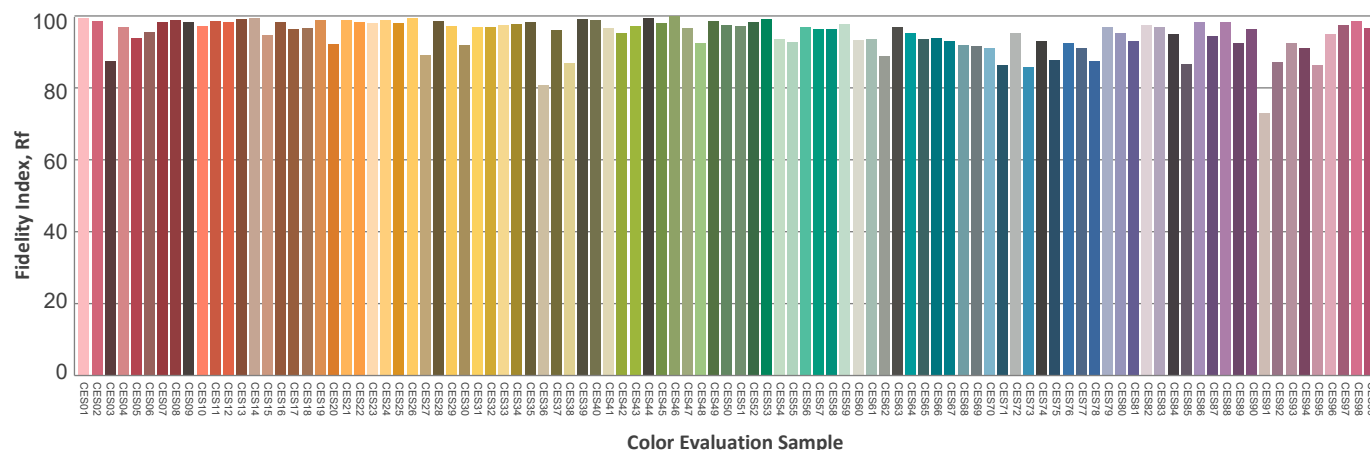
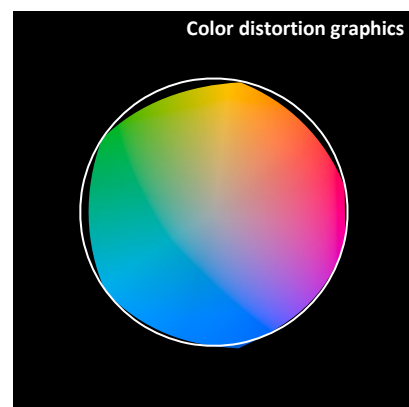
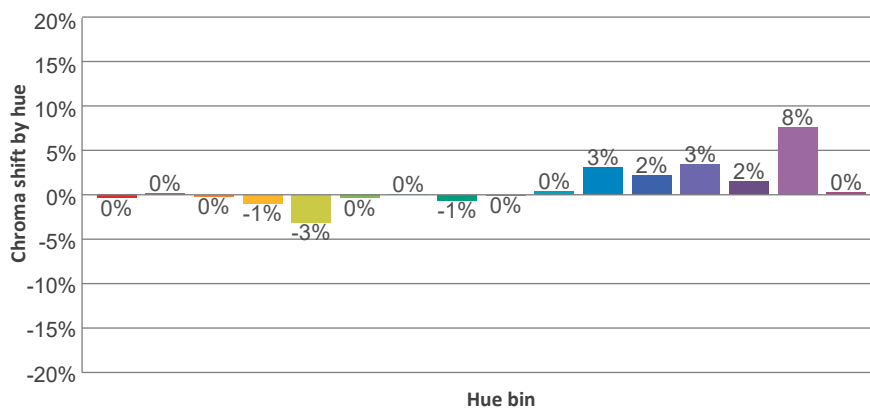
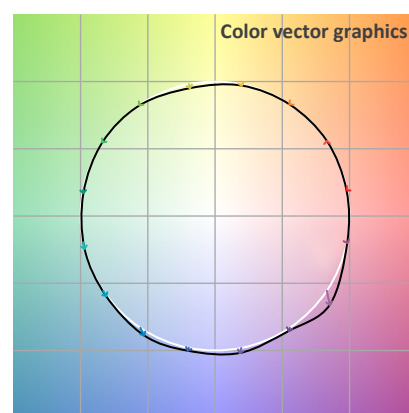
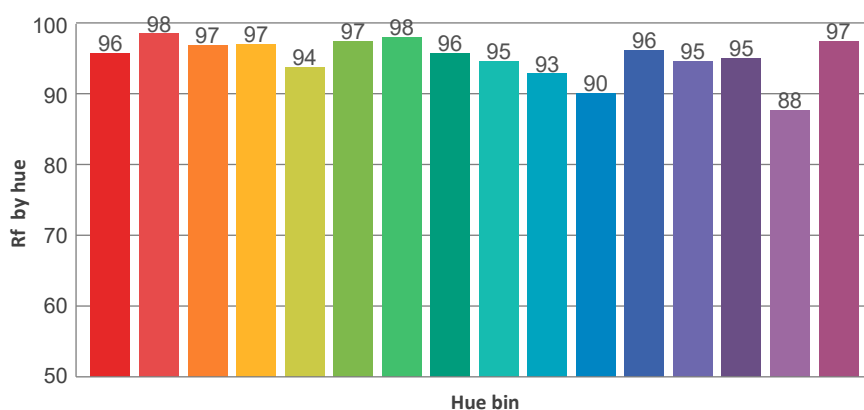
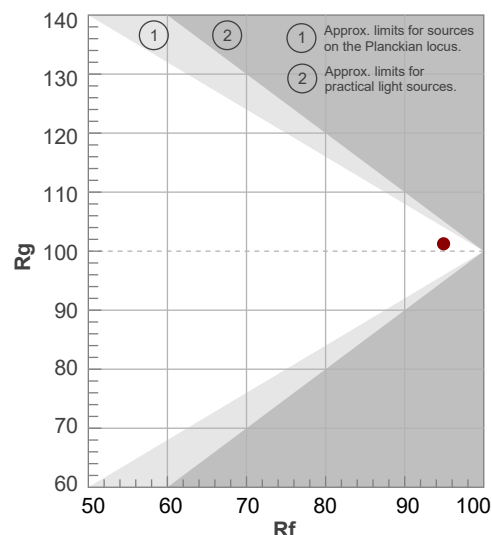
**Rf 94,9**

Fidelity index Rf

**Rg 101,2**

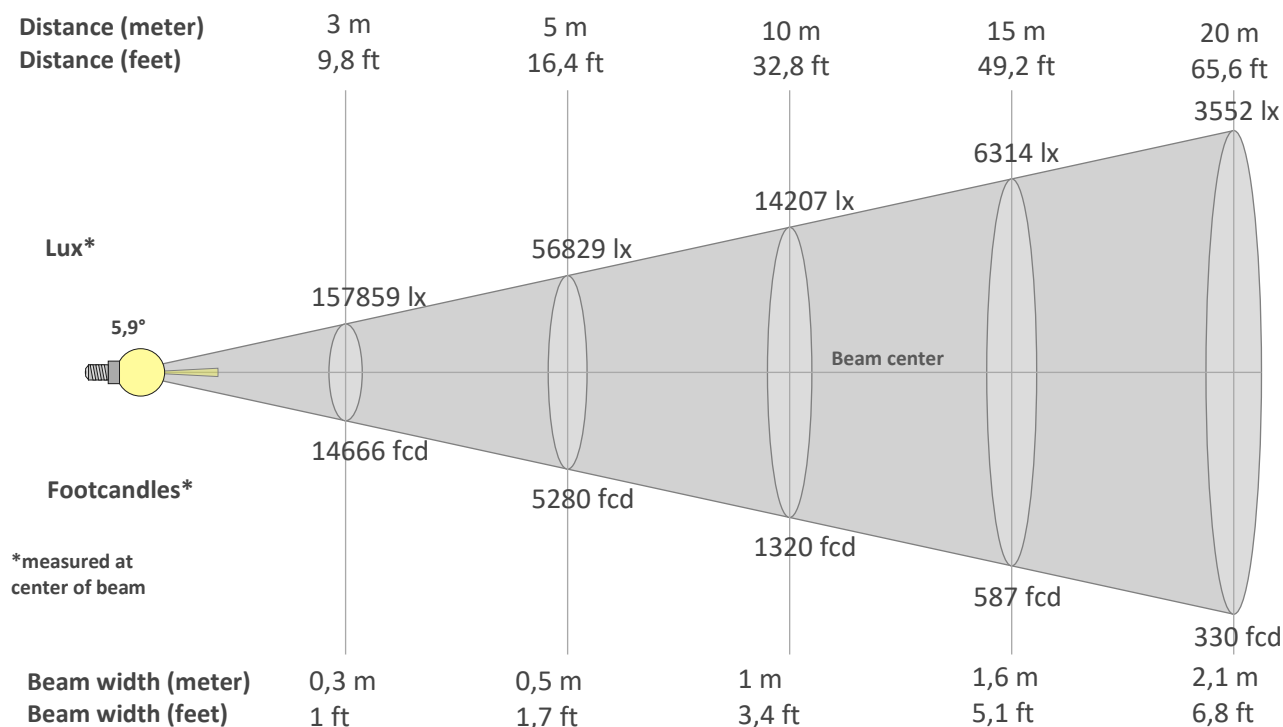
Gammut index Rg

| Hue Bin | R <sub>f</sub> | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
|         |                | Chroma             | Hue |
| 1       | 96             | 0%                 | 0%  |
| 2       | 98             | 0%                 | 0%  |
| 3       | 97             | 0%                 | 0%  |
| 4       | 97             | -1%                | 0%  |
| 5       | 94             | -3%                | 0%  |
| 6       | 97             | 0%                 | 1%  |
| 7       | 98             | 0%                 | 1%  |
| 8       | 96             | -1%                | 2%  |
| 9       | 95             | 0%                 | 5%  |
| 10      | 93             | 0%                 | 5%  |
| 11      | 90             | 3%                 | 5%  |
| 12      | 96             | 2%                 | 0%  |
| 13      | 95             | 3%                 | -2% |
| 14      | 95             | 2%                 | -2% |
| 15      | 88             | 8%                 | -8% |
| 16      | 97             | 0%                 | -1% |



## BEAM DETAILS

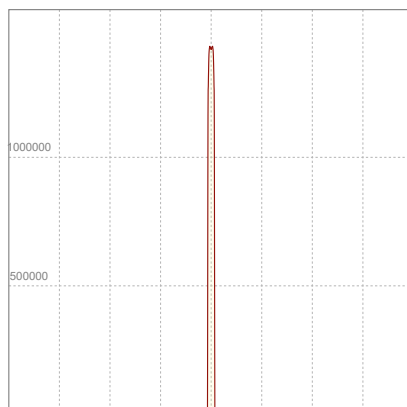
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 5,9°           | 6,4°            | 6,5°               | 95,2%                        | 93,2%                       |



### 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       | 1420732lx | 355183lx | 157859lx | 88796lx | 56829lx | 25257lx | 14207lx | 6314lx | 3552lx | 2273lx | 1579lx | 888lx   | 568lx |
| Footcand. | 131990fcd | 32998fcd | 14666fcd | 8249fcd | 5280fcd | 2346fcd | 1320fcd | 587fcd | 330fcd | 211fcd | 147fcd | 82fcd   | 53fcd |
| Beam wid. | 0,1m      | 0,2m     | 0,3m     | 0,4m    | 0,5m    | 0,8m    | 1m      | 1,6m   | 2,1m   | 2,6m   | 3,1m   | 4,1m    | 5,2m  |
| Beam wid. | 0,3ft     | 0,7ft    | 1ft      | 1,4ft   | 1,7ft   | 2,5ft   | 3,4ft   | 5,1ft  | 6,8ft  | 8,5ft  | 10,2ft | 13,6ft  | 17ft  |

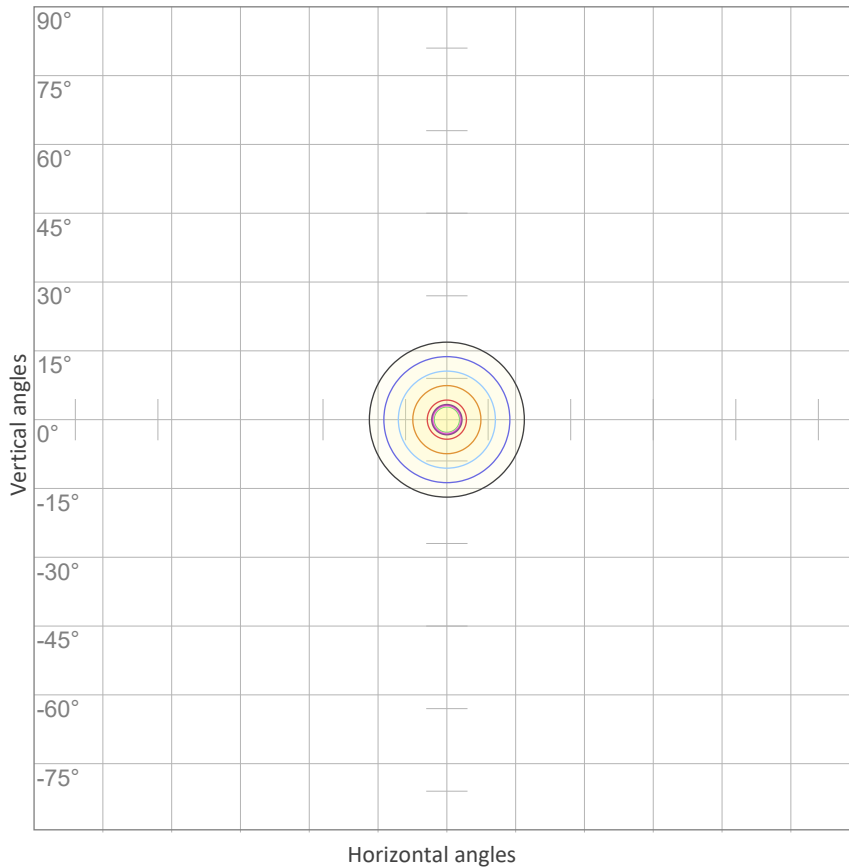
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 223V          | 5,24A         | 1152,4W     | 0,99     | 11lm/W     |

## ISO CANDELA DIAGRAM



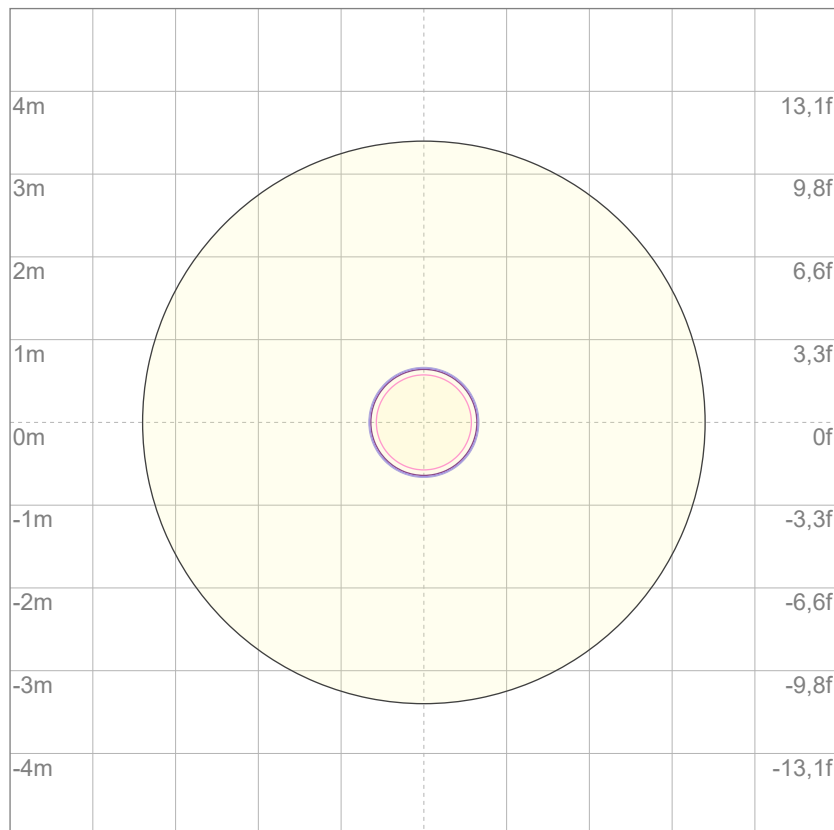
|     |            |
|-----|------------|
| 10% | 142073 cd  |
| 20% | 284146 cd  |
| 30% | 426220 cd  |
| 40% | 568293 cd  |
| 50% | 710366 cd  |
| 60% | 852439 cd  |
| 70% | 994512 cd  |
| 80% | 1136586 cd |
| 90% | 1278659 cd |

### Conditions:

Number of c-planes: 2

Candela at center: 1420732 cd

## ISO LUX DIAGRAM



|     |         |
|-----|---------|
| 3%  | 426 lx  |
| 5%  | 710 lx  |
| 10% | 1421 lx |
| 30% | 4262 lx |
| 50% | 7104 lx |

### Conditions:

Number of c-planes: 2

Lux at center: 14,2K lx

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