

Photometric Test Report



ECLFRESNELCT+LIP

600W IP65 Led Fresnel with 6 color source
250mm-10" lens
(High Quality Mode)

CONTENTS

| | |
|----------------------|----|
| Table of contents | 2 |
| Testing process | 4 |
| Color preset Full on | |
| Max Zoom | 5 |
| Med Zoom | 8 |
| Min Zoom | 11 |
| Color preset Red | |
| Max Zoom | 14 |
| Med Zoom | 17 |
| Min Zoom | 20 |
| Color preset Green | |
| Max Zoom | 23 |
| Med Zoom | 26 |
| Min Zoom | 29 |
| Color preset Blue | |
| Max Zoom | 32 |
| Med Zoom | 35 |
| Min Zoom | 38 |
| Color preset Cyan | |
| Max Zoom | 41 |
| Med Zoom | 44 |
| Min Zoom | 47 |
| Color preset Mint | |
| Max Zoom | 50 |
| Med Zoom | 53 |
| Min Zoom | 56 |
| Color preset Amber | |
| Max Zoom | 59 |
| Med Zoom | 62 |
| Min Zoom | 65 |

Color temperature 2800K

| | |
|----------|----|
| Max Zoom | 68 |
| Med Zoom | 73 |
| Min Zoom | 78 |

Color temperature 3200K

| | |
|----------|----|
| Max Zoom | 83 |
| Med Zoom | 88 |
| Min Zoom | 93 |

Color temperature 4000K

| | |
|----------|-----|
| Max Zoom | 98 |
| Med Zoom | 103 |
| Min Zoom | 108 |

Color temperature 5600K

| | |
|----------|-----|
| Max Zoom | 113 |
| Med Zoom | 118 |
| Min Zoom | 123 |

Color temperature 6000K

| | |
|----------|-----|
| Max Zoom | 128 |
| Med Zoom | 133 |
| Min Zoom | 138 |

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:

9830 lm

Peak candela output:

12947 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

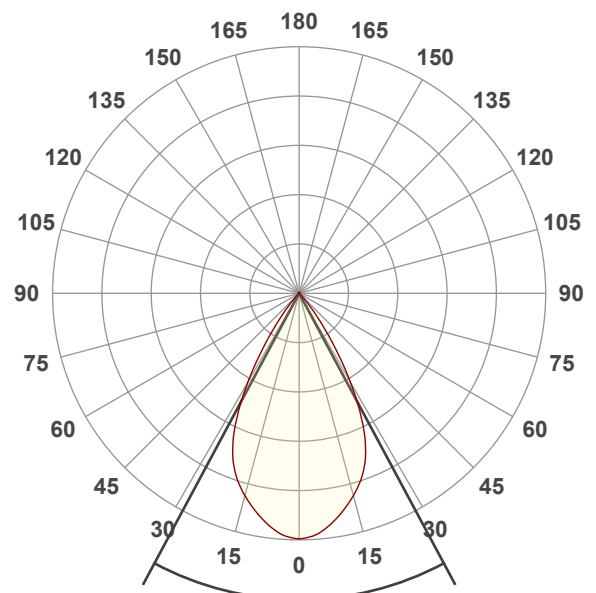
Full On - HQ

Operator:

Salvatore Giglio

Date and time:

03/10/2023 14:59:43

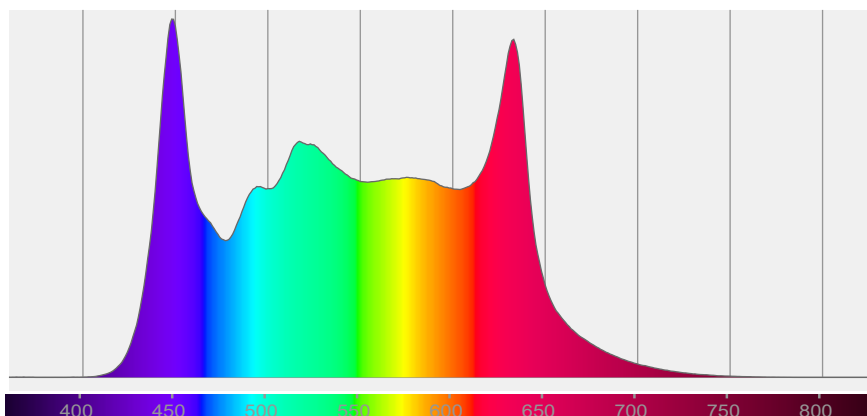


Beam angle 50%: 56,4°

Field angle 10%: 77,1°

Cut off angle 2.5%: 86,1°

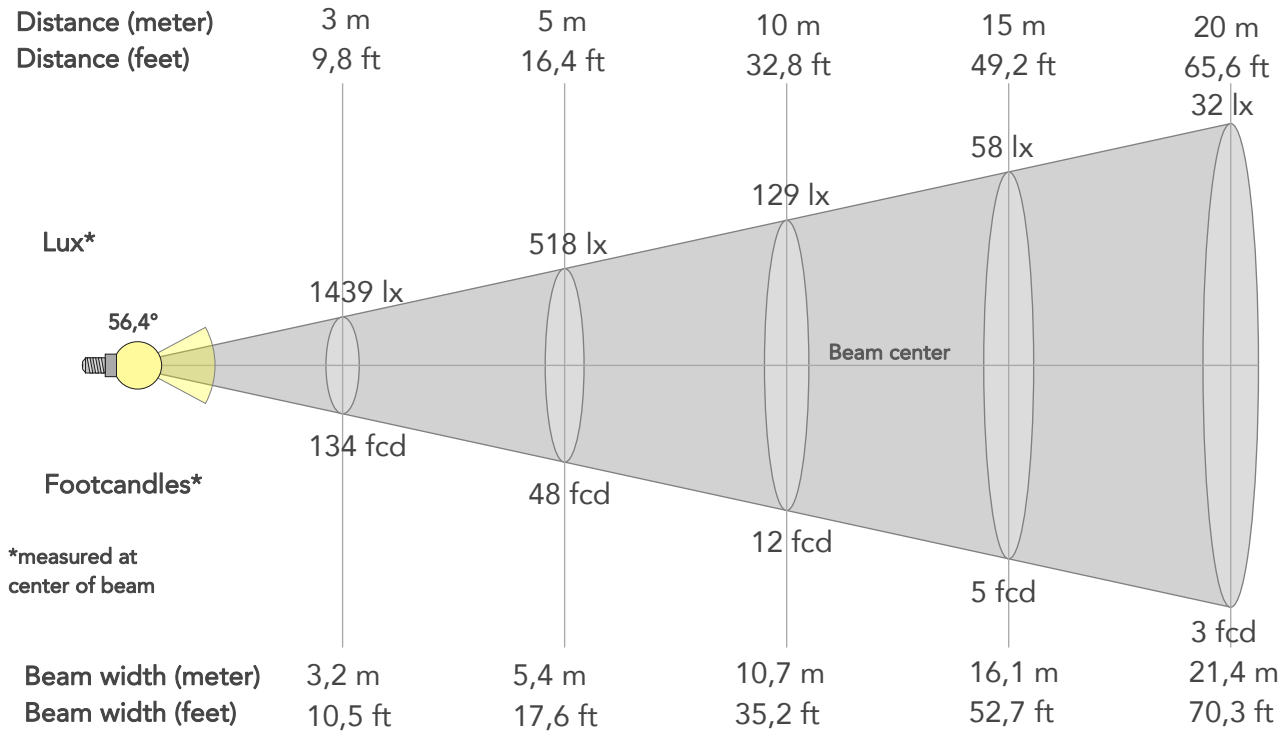
Spectra



BEAM DETAILS



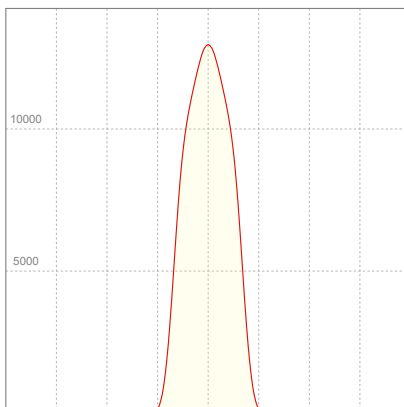
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,4° | 77,1° | 86,1° | 100,0% | 99,5% |



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 | 12947lx | 3237lx | 1439lx | 809lx | 518lx | 230lx | 129lx | 58lx | 32lx | 21lx | 14lx | 8lx | 5lx |
| Footcand. | 1203fcd | 301fcd | 134fcd | 75fcd | 48fcd | 21fcd | 12fcd | 5fcd | 3fcd | 2fcd | 1fcd | 1fcd | 0fcd |
| Beam wid. | 1,1m | 2,1m | 3,2m | 4,3m | 5,4m | 8m | 10,7m | 16,1m | 21,4m | 26,8m | 32,2m | 42,9m | 53,6m |
| Beam wid. | 3,5ft | 7,1ft | 10,5ft | 14ft | 17,6ft | 26,4ft | 35,2ft | 52,7ft | 70,3ft | 87,9ft | 105,5ft | 140,6ft | 175,8ft |

LINEAR DISTRIBUTION DIAGRAM

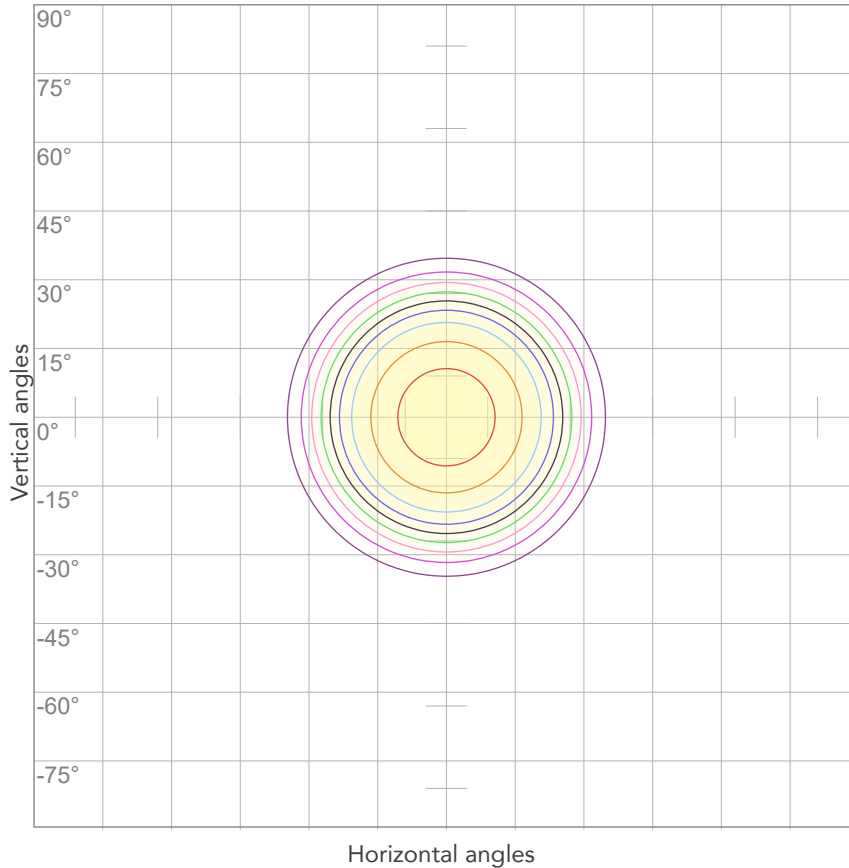


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 226V | 1,61A | 361,4W | 27lm/W |

| Power FC |
|----------|
| 0,99 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 1295 cd |
| 20% | 2589 cd |
| 30% | 3884 cd |
| 40% | 5179 cd |
| 50% | 6474 cd |
| 60% | 7768 cd |
| 70% | 9063 cd |
| 80% | 10358 cd |

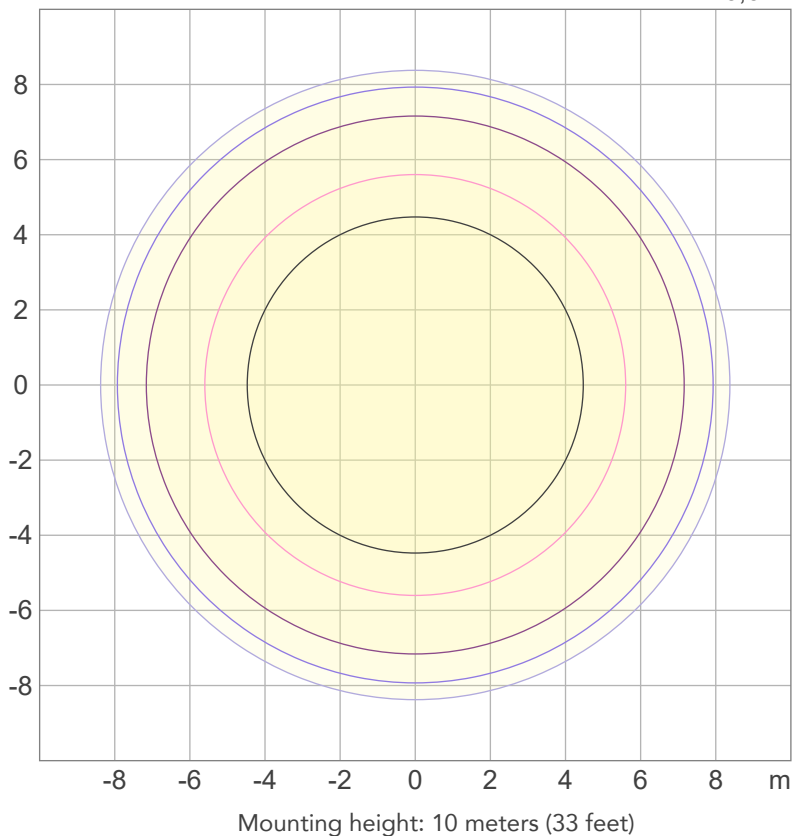
Conditions:

Number of c-planes: 2

Candela at center: 12947 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 3,88 lx |
| 5% | 6,47 lx |
| 10% | 12,9 lx |
| 30% | 38,8 lx |
| 50% | 64,7 lx |

Conditions:

Number of c-planes: 2

Lux at center: 129 lx

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



Total lumen output:

8022 lm

Peak candela output:

42027 cd

PRODUCT NAME:
ECLFRCTPLIP

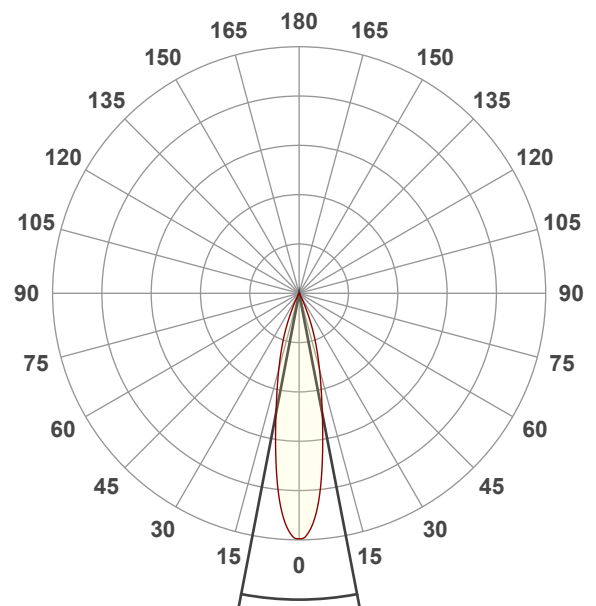
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Full On - HQ

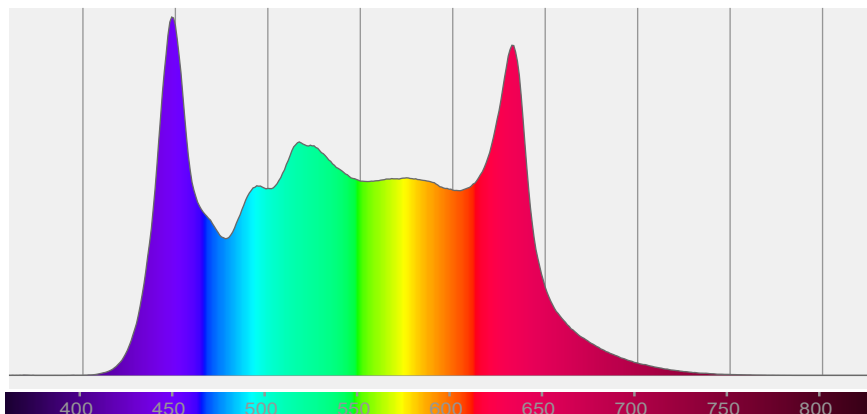
Operator:
Salvatore Giglio

Date and time:
03/10/2023 14:56:37



Beam angle 50%: 21,8°
Field angle 10%: 45,1°
Cut off angle 2.5%: 54,3°

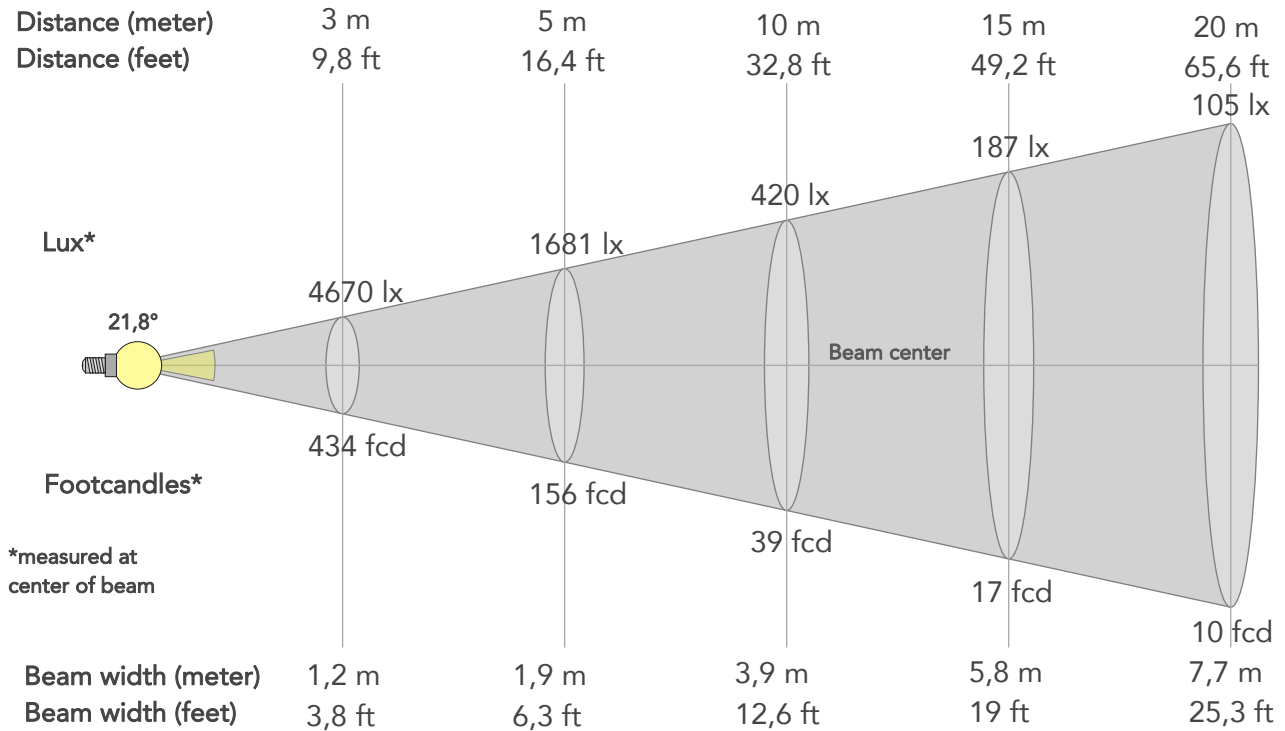
Spectra



BEAM DETAILS



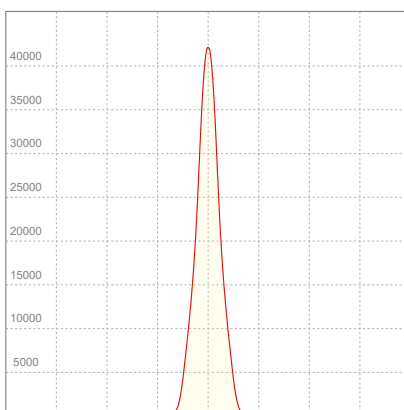
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,8° | 45,1° | 54,3° | 100,0% | 99,9% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 42027lx | 10507lx | 4670lx | 2627lx | 1681lx | 747lx | 420lx | 187lx | 105lx | 67lx | 47lx | 26lx | 17lx |
| Footcand. | 3904fcd | 976fcd | 434fcd | 244fcd | 156fcd | 69fcd | 39fcd | 17fcd | 10fcd | 6fcd | 4fcd | 2fcd | 2fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,5m | 1,9m | 2,9m | 3,9m | 5,8m | 7,7m | 9,6m | 11,6m | 15,4m | 19,3m |
| Beam wid. | 1,3ft | 2,5ft | 3,8ft | 5ft | 6,3ft | 9,5ft | 12,6ft | 19ft | 25,3ft | 31,6ft | 37,9ft | 50,5ft | 63,2ft |

LINEAR DISTRIBUTION DIAGRAM

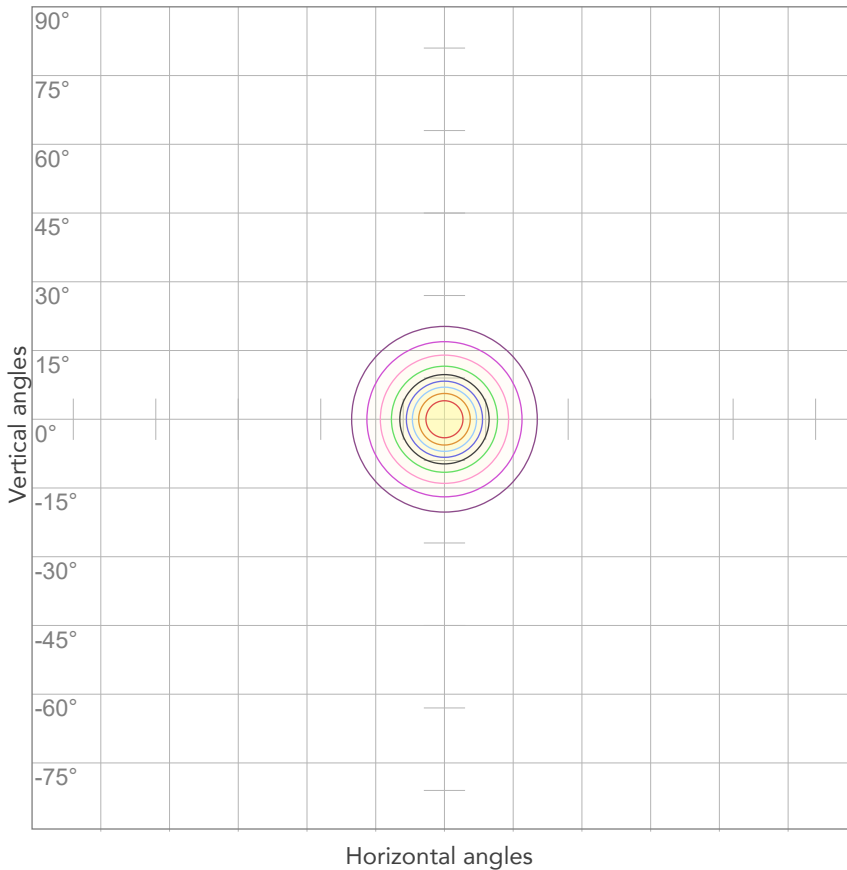


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 226V | 1,61A | 361,1W | 22lm/W |

| |
|----------|
| Power FC |
| 0,99 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 4203 cd |
| 20% | 8405 cd |
| 30% | 12608 cd |
| 40% | 16811 cd |
| 50% | 21014 cd |
| 60% | 25216 cd |
| 70% | 29419 cd |
| 80% | 33622 cd |

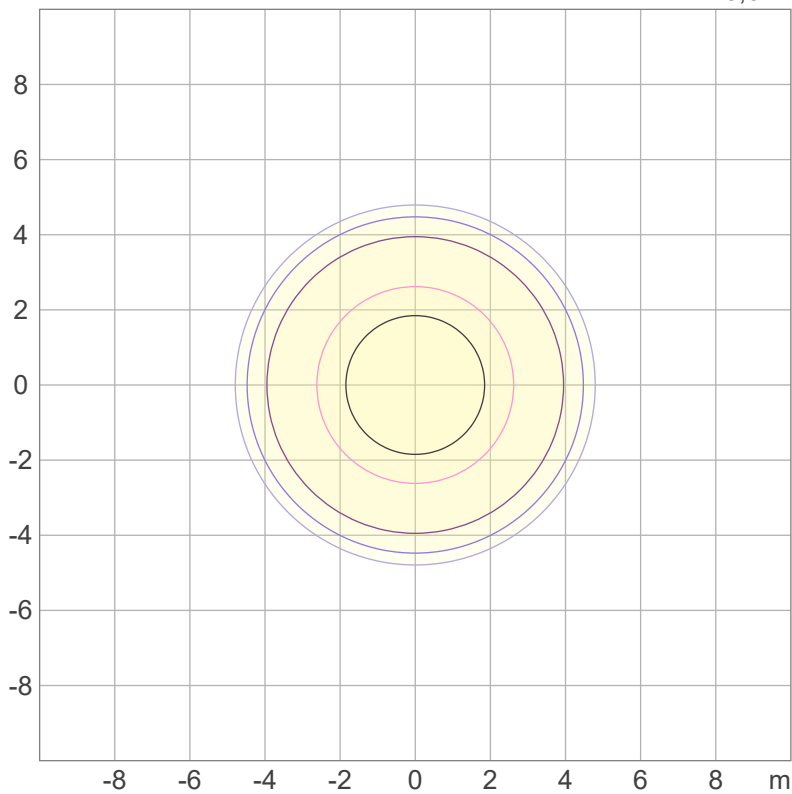
Conditions:

Number of c-planes: 2

Candela at center: 42027 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 12,6 lx |
| 5% | 21,0 lx |
| 10% | 42,0 lx |
| 30% | 126 lx |
| 50% | 210 lx |

Conditions:

Number of c-planes: 2

Lux at center: 420 lx

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



Total lumen output:

4280 lm

Peak candela output:

111789 cd

PRODUCT NAME:
ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

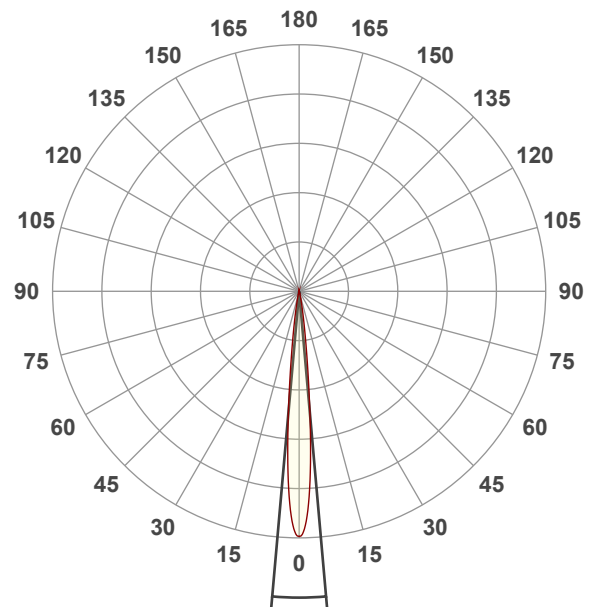
Full On - HQ

Operator:

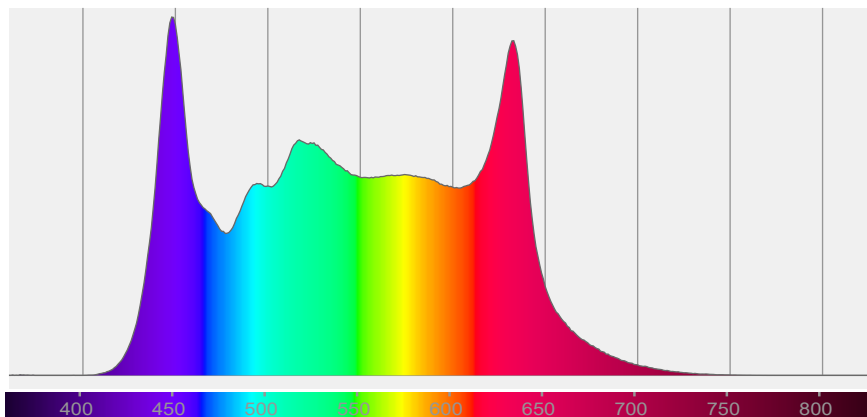
Salvatore Giglio

Date and time:

03/10/2023 14:58:20



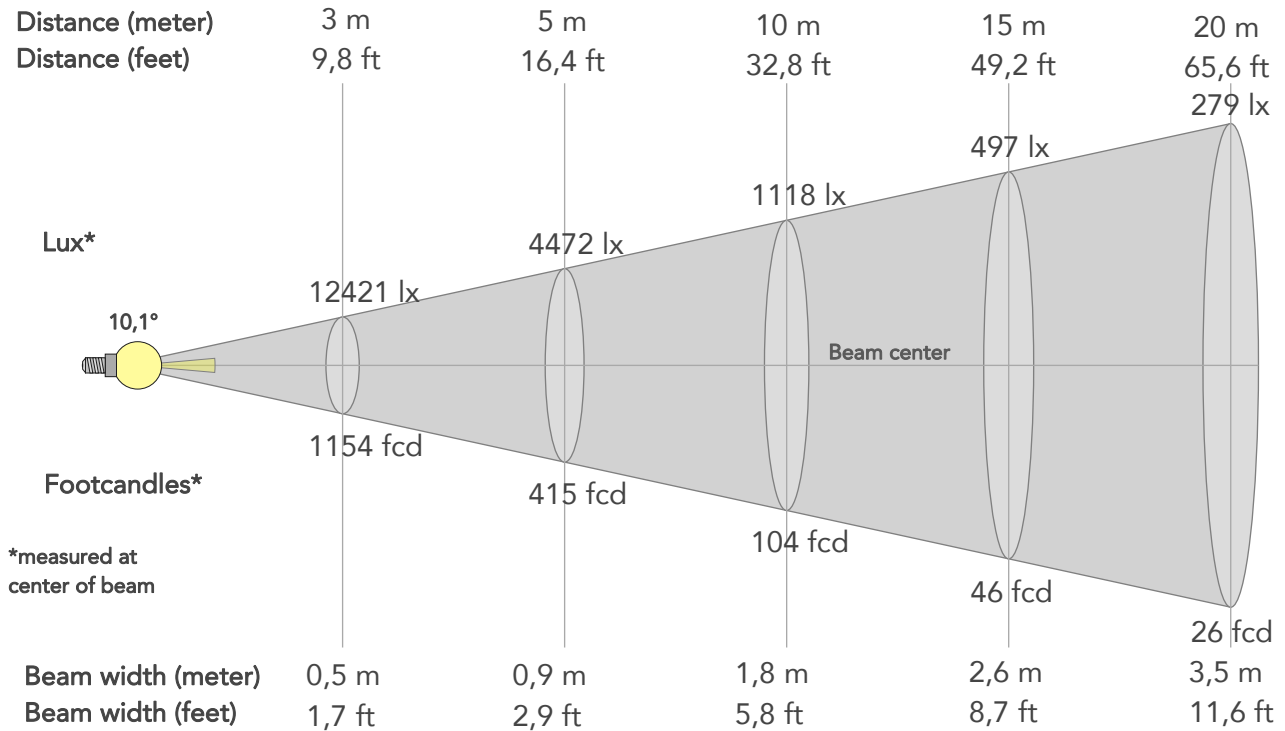
Spectra



BEAM DETAILS



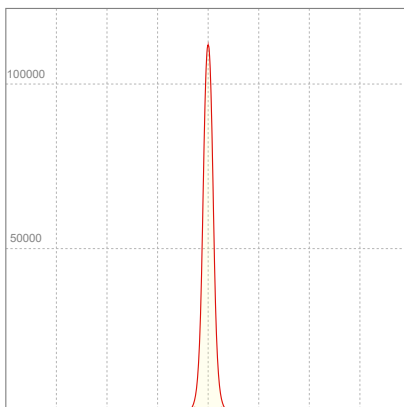
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,1° | 18,7° | 26,1° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 111789lx | 27947lx | 12421lx | 6987lx | 4472lx | 1987lx | 1118lx | 497lx | 279lx | 179lx | 124lx | 70lx | 45lx |
| Footcand. | 10386fcd | 2596fcd | 1154fcd | 649fcd | 415fcd | 185fcd | 104fcd | 46fcd | 26fcd | 17fcd | 12fcd | 6fcd | 4fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,6m | 3,5m | 4,4m | 5,3m | 7,1m | 8,8m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,3ft | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 17,4ft | 23,2ft | 28,9ft |

LINEAR DISTRIBUTION DIAGRAM

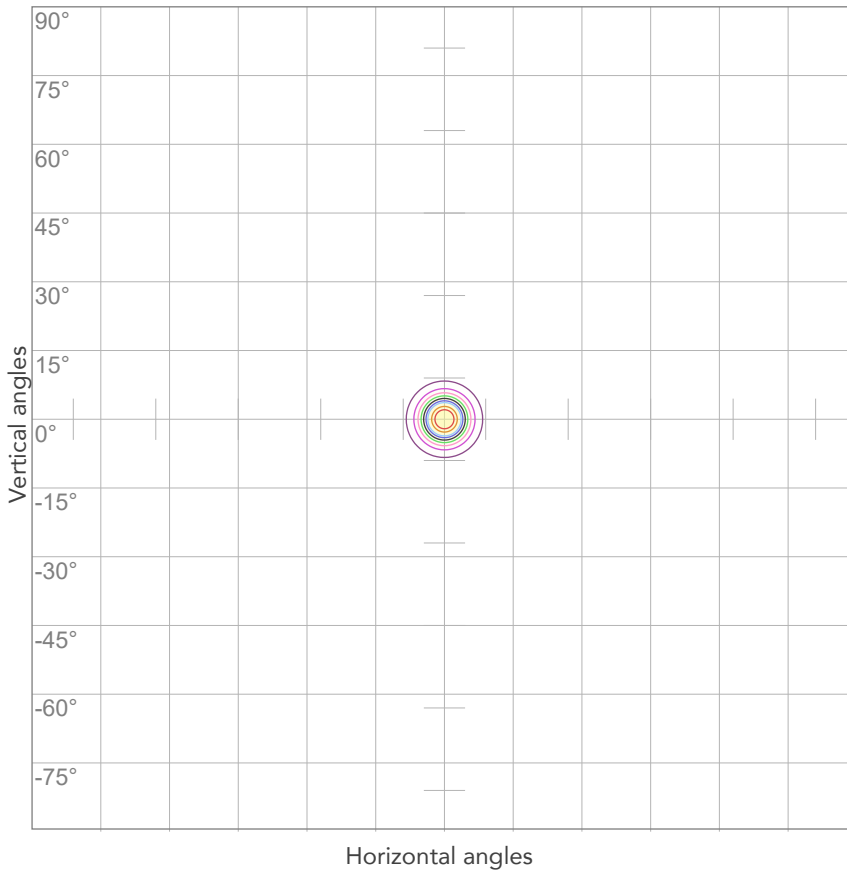


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 225V | 1,62A | 361W | 12lm/W |

| |
|----------|
| Power FC |
| 0,99 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 11179 cd |
| 20% | 22358 cd |
| 30% | 33537 cd |
| 40% | 44716 cd |
| 50% | 55894 cd |
| 60% | 67073 cd |
| 70% | 78252 cd |
| 80% | 89431 cd |

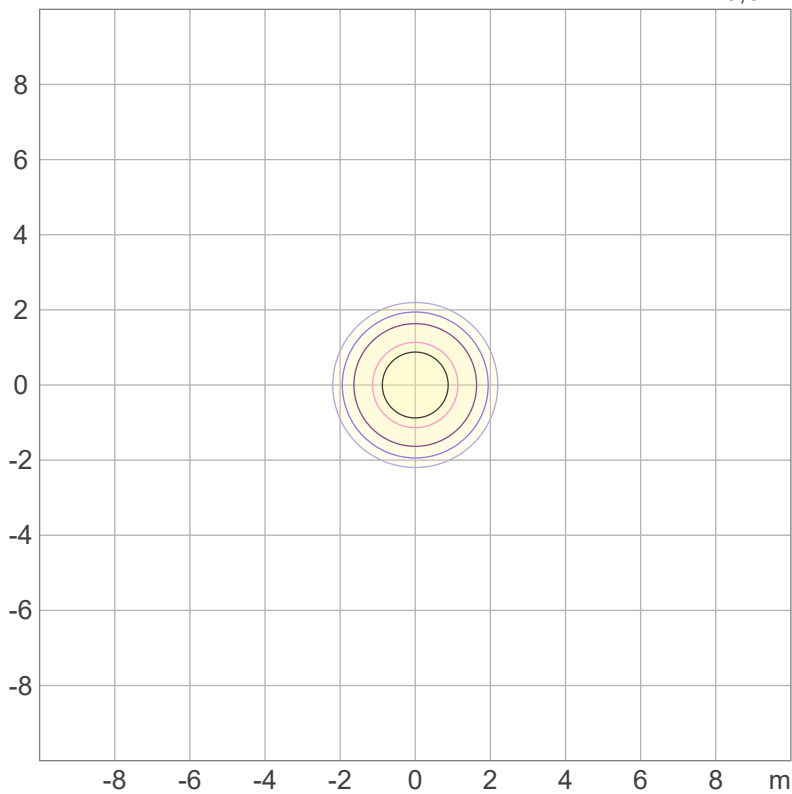
Conditions:

Number of c-planes: 2

Candela at center: 111789 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 33,5 lx |
| 5% | 55,9 lx |
| 10% | 112 lx |
| 30% | 335 lx |
| 50% | 559 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1118 lx

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



Total lumen output:

1356 lm

Peak candela output:

1760 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom - HQ

Target:

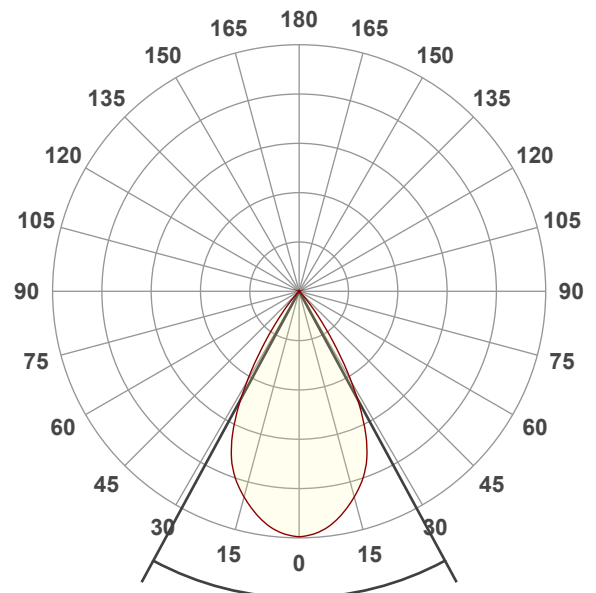
Red

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:15:10

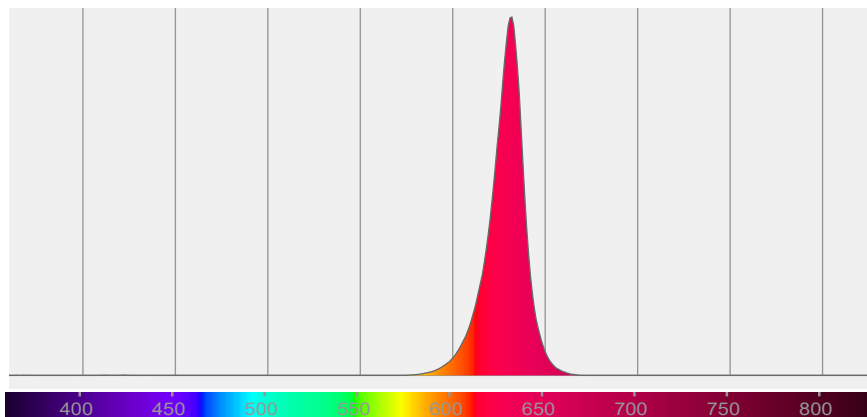


Beam angle 50%: 56,9°

Field angle 10%: 77,1°

Cut off angle 2.5%: 85,7°

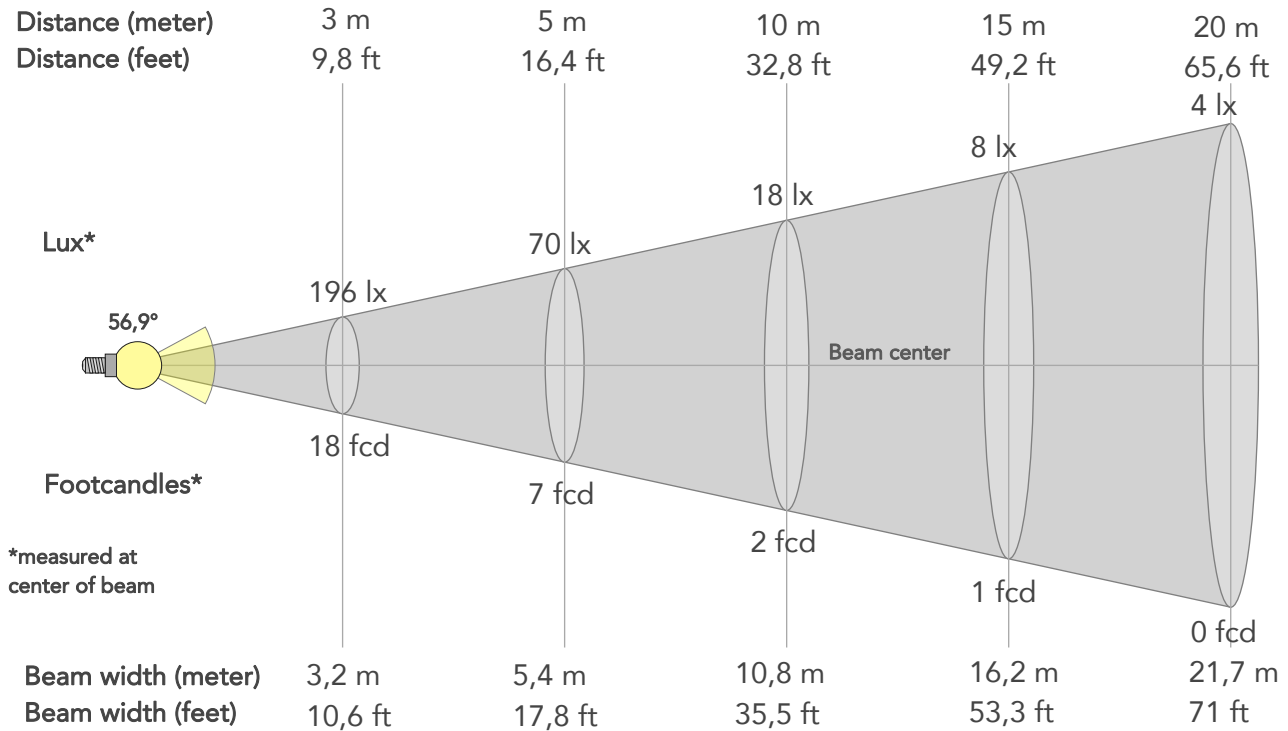
Spectra



BEAM DETAILS



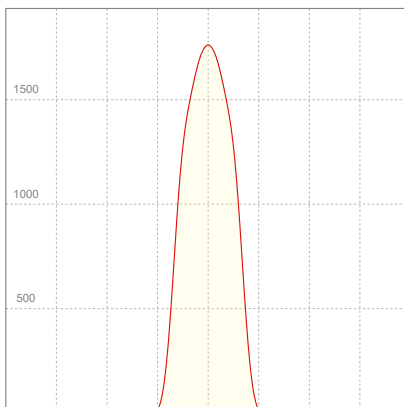
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,9° | 77,1° | 85,7° | 100,0% | 99,7% |



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 | 1760lx | 440lx | 196lx | 110lx | 70lx | 31lx | 18lx | 8lx | 4lx | 3lx | 2lx | 1lx | 1lx |
| Footcand. | 164fcd | 41fcd | 18fcd | 10fcd | 7fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 1,1m | 2,2m | 3,2m | 4,3m | 5,4m | 8,1m | 10,8m | 16,2m | 21,7m | 27,1m | 32,5m | 43,3m | 54,1m |
| Beam wid. | 3,6ft | 7,1ft | 10,6ft | 14,2ft | 17,8ft | 26,6ft | 35,5ft | 53,3ft | 71ft | 88,8ft | 106,6ft | 142,1ft | 177,6ft |

LINEAR DISTRIBUTION DIAGRAM

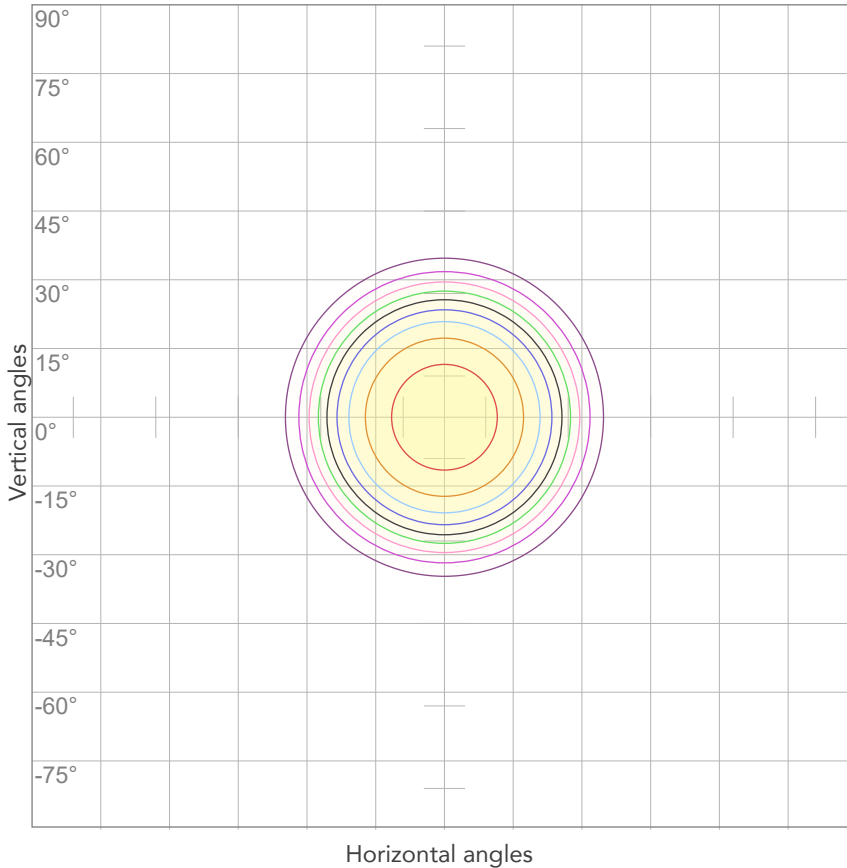


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,486A | 95,5W | 14lm/W |

| Power FC |
|----------|
| 0,87 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 176 cd |
| 20% | 352 cd |
| 30% | 528 cd |
| 40% | 704 cd |
| 50% | 880 cd |
| 60% | 1056 cd |
| 70% | 1232 cd |
| 80% | 1408 cd |

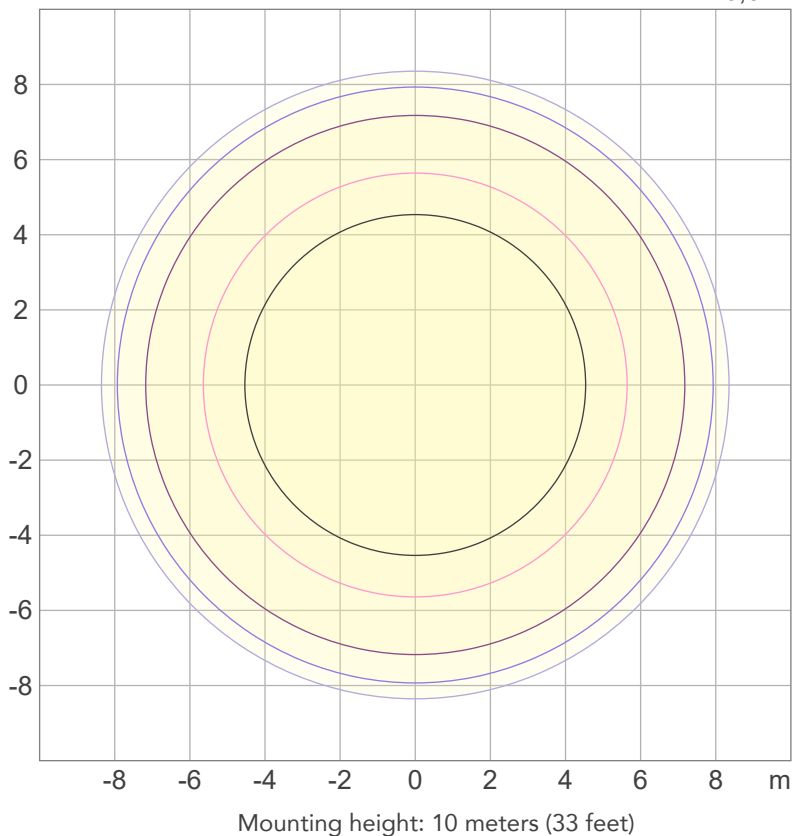
Conditions:

Number of c-planes: 2

Candela at center: 1760 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|----------|
| 3% | 0,528 lx |
| 5% | 0,880 lx |
| 10% | 1,76 lx |
| 30% | 5,28 lx |
| 50% | 8,80 lx |

Conditions:

Number of c-planes: 2

Lux at center: 17,6 lx

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



Total lumen output:

1053 lm

Peak candela output:

5620 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom - HQ

Target:

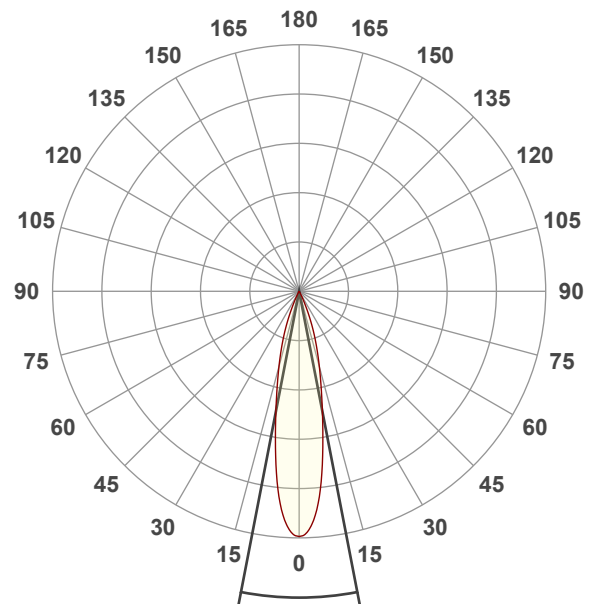
Red

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:15:21

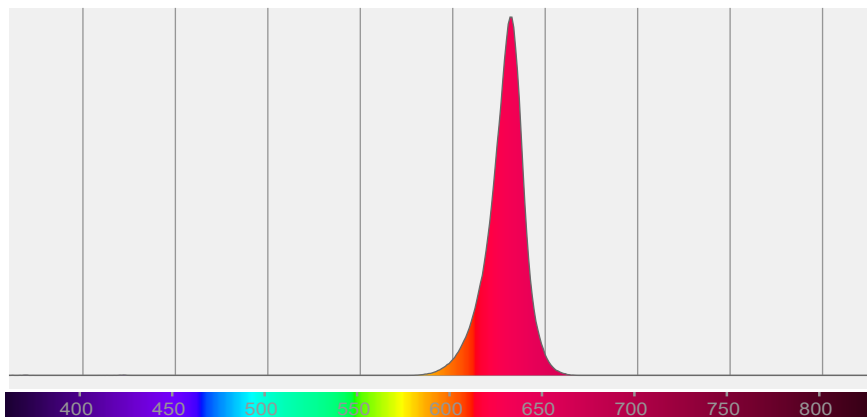


Beam angle 50%: 21,9°

Field angle 10%: 44,8°

Cut off angle 2.5%: 53,4°

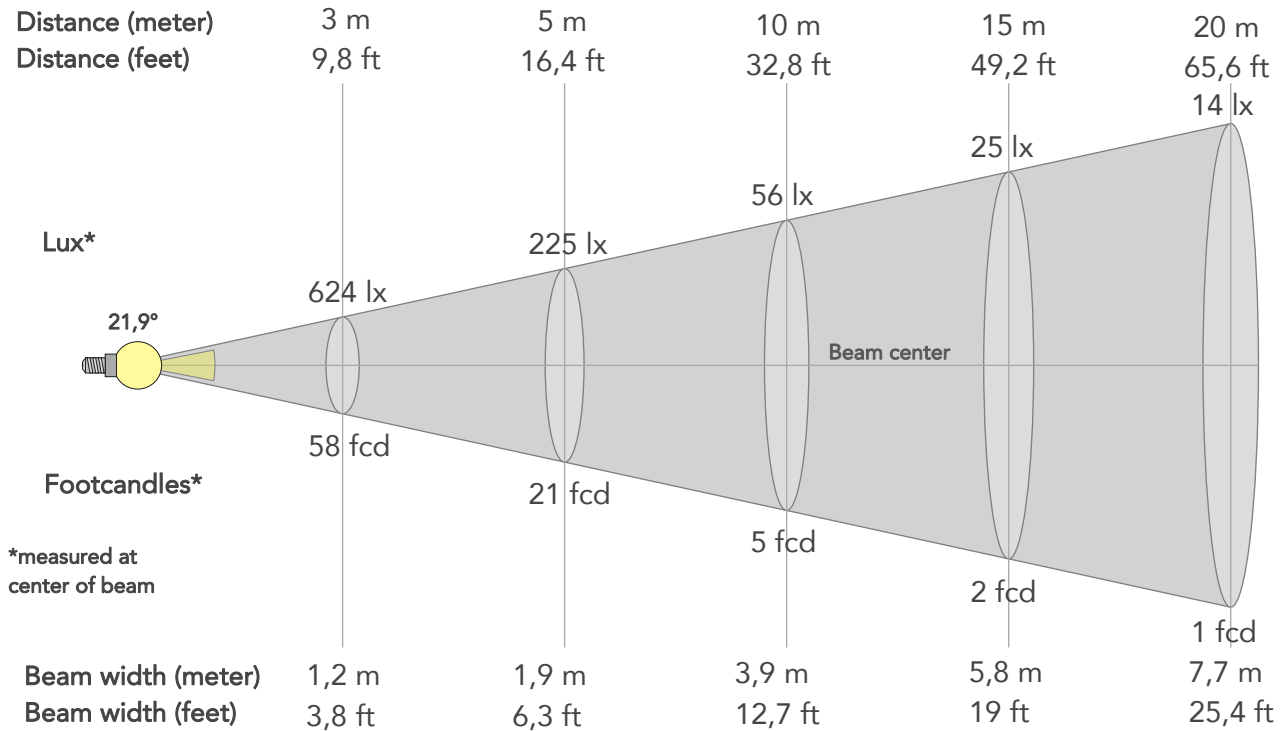
Spectra



BEAM DETAILS



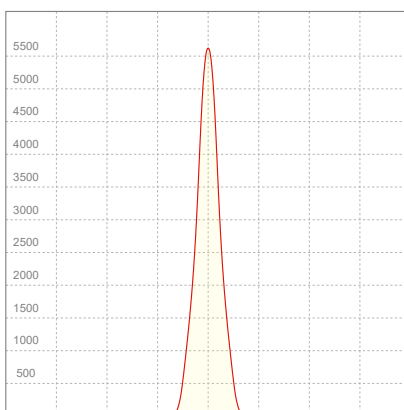
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,9° | 44,8° | 53,4° | 100,0% | 100,0% |



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 | 5620lx | 1405lx | 624lx | 351lx | 225lx | 100lx | 56lx | 25lx | 14lx | 9lx | 6lx | 4lx | 2lx |
| Footcand. | 522fcd | 131fcd | 58fcd | 33fcd | 21fcd | 9fcd | 5fcd | 2fcd | 1fcd | 1fcd | 1fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,5m | 1,9m | 2,9m | 3,9m | 5,8m | 7,7m | 9,7m | 11,6m | 15,5m | 19,3m |
| Beam wid. | 1,3ft | 2,6ft | 3,8ft | 5,1ft | 6,3ft | 9,5ft | 12,7ft | 19ft | 25,4ft | 31,7ft | 38,1ft | 50,8ft | 63,4ft |

LINEAR DISTRIBUTION DIAGRAM

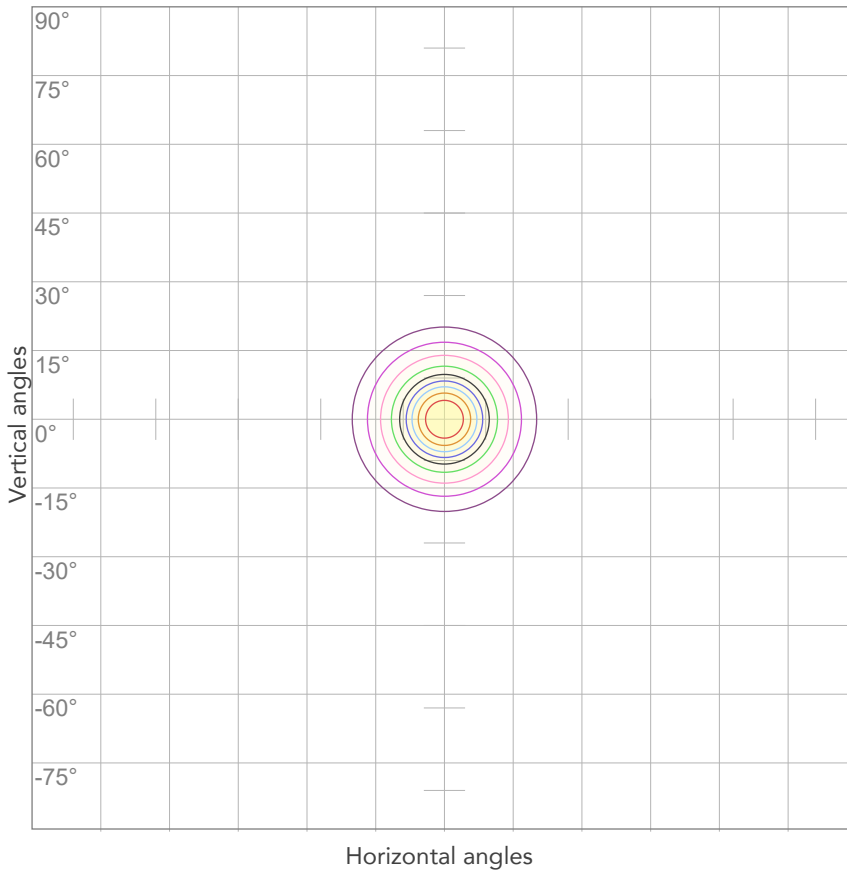


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 228V | 0,483A | 95,6W | 11lm/W |

| Power FC |
|----------|
| 0,87 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 562 cd |
| 20% | 1124 cd |
| 30% | 1686 cd |
| 40% | 2248 cd |
| 50% | 2810 cd |
| 60% | 3372 cd |
| 70% | 3934 cd |
| 80% | 4496 cd |

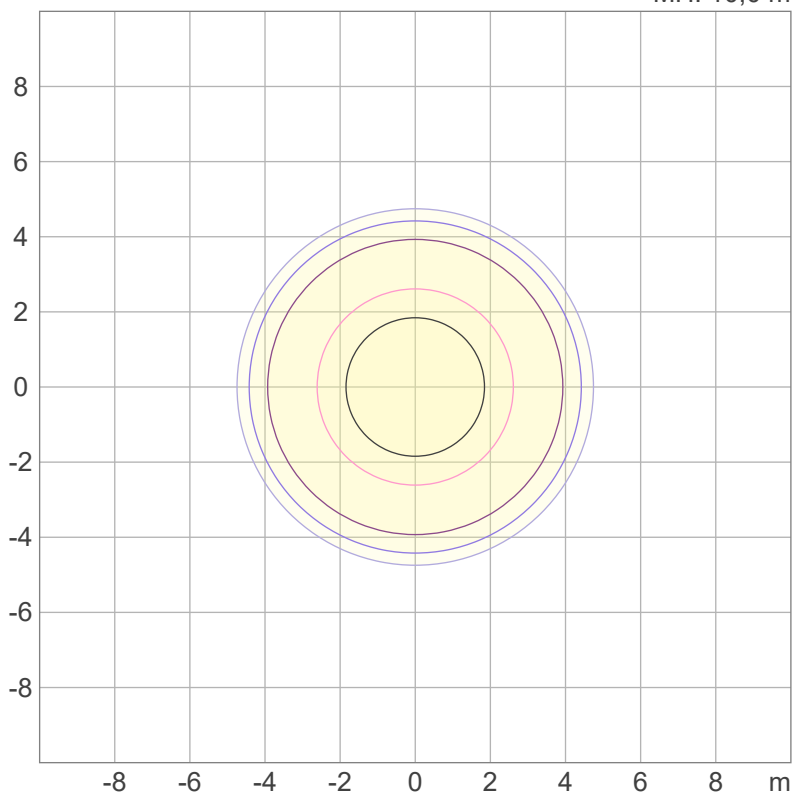
Conditions:

Number of c-planes: 2

Candela at center: 5620 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 1,69 lx |
| 5% | 2,81 lx |
| 10% | 5,62 lx |
| 30% | 16,9 lx |
| 50% | 28,1 lx |

Conditions:

Number of c-planes: 2

Lux at center: 56,2 lx

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



Total lumen output:

558 lm

Peak candela output:

14703 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

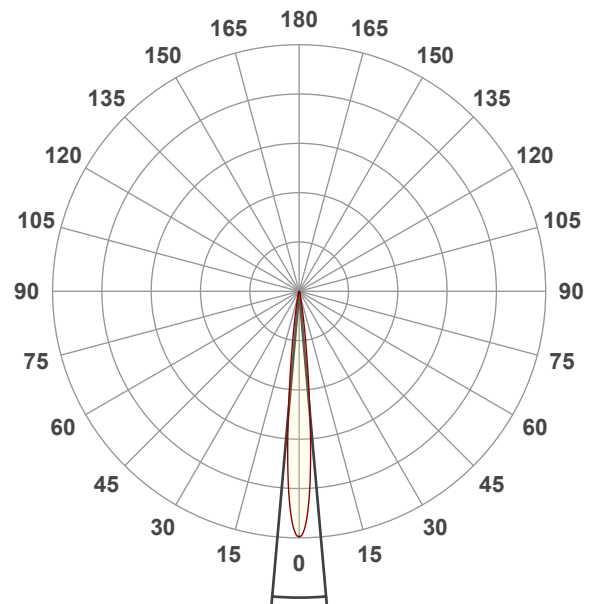
Red - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:26:46

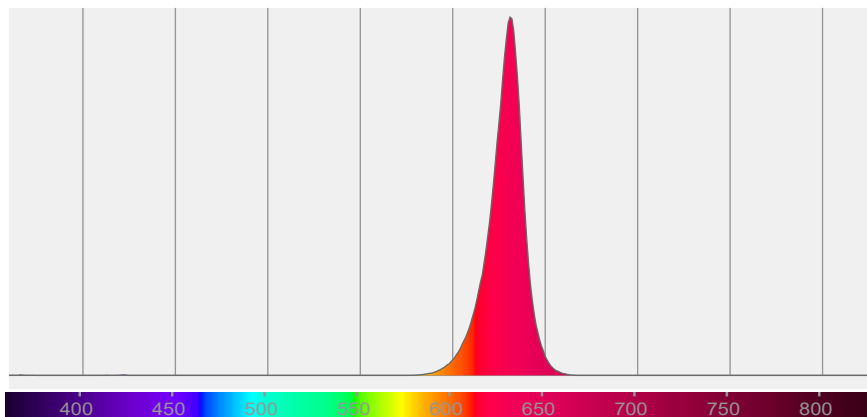


Beam angle 50%: 10,1°

Field angle 10%: 18,5°

Cut off angle 2.5%: 25,7°

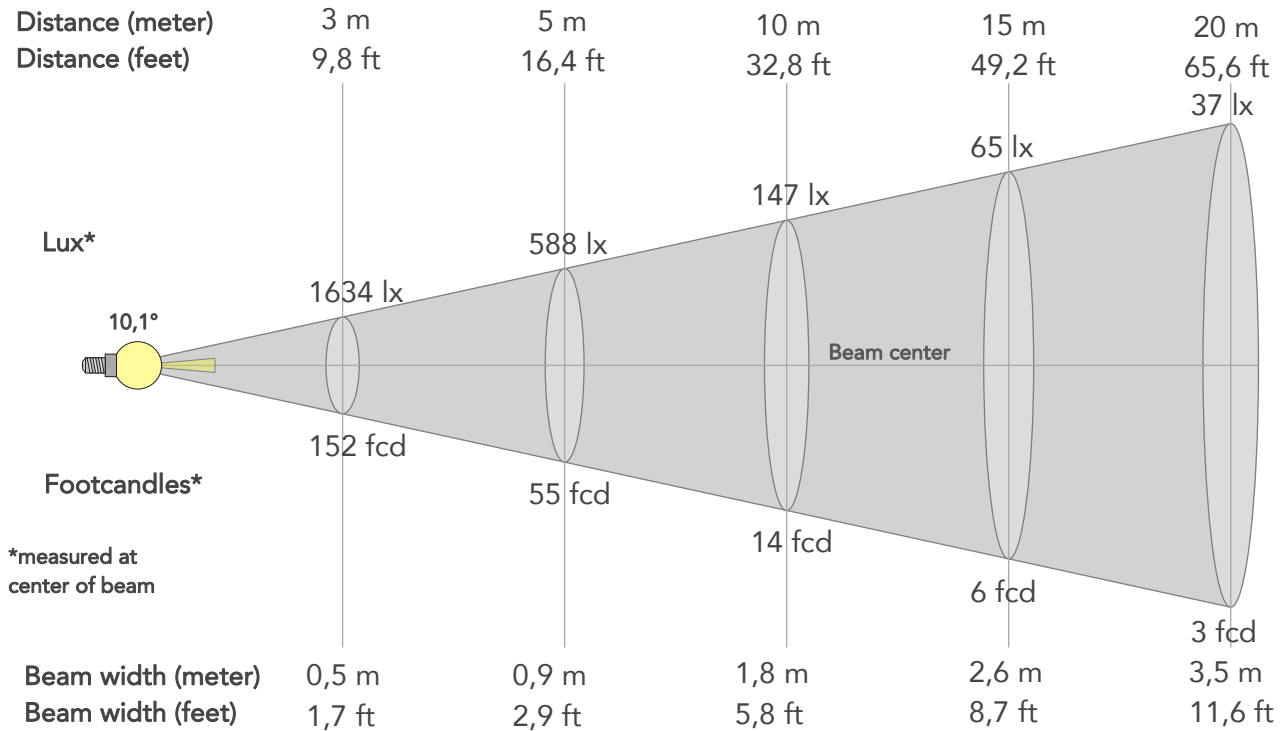
Spectra



BEAM DETAILS



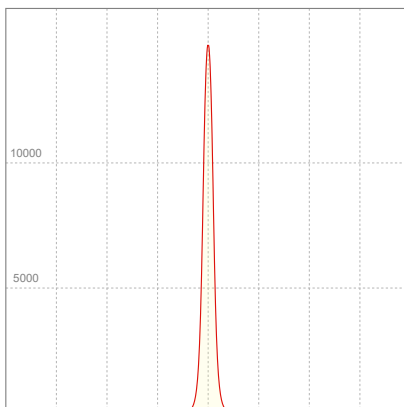
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,1° | 18,5° | 25,7° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 14703lx | 3676lx | 1634lx | 919lx | 588lx | 261lx | 147lx | 65lx | 37lx | 24lx | 16lx | 9lx | 6lx |
| Footcand. | 1366fcd | 341fcd | 152fcd | 85fcd | 55fcd | 24fcd | 14fcd | 6fcd | 3fcd | 2fcd | 2fcd | 1fcd | 1fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,6m | 3,5m | 4,4m | 5,3m | 7,1m | 8,8m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,3ft | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 17,4ft | 23,2ft | 28,9ft |

LINEAR DISTRIBUTION DIAGRAM

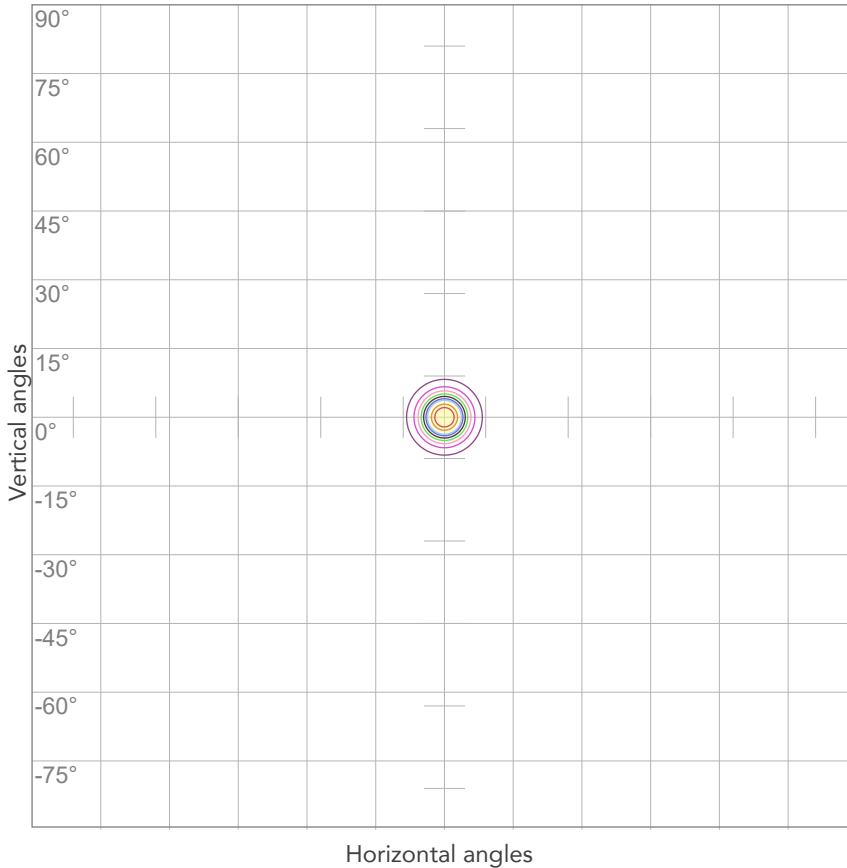


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,478A | 93,3W | 6lm/W |

| Power FC |
|----------|
| 0,87 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 1470 cd |
| 20% | 2941 cd |
| 30% | 4411 cd |
| 40% | 5881 cd |
| 50% | 7352 cd |
| 60% | 8822 cd |
| 70% | 10292 cd |
| 80% | 11763 cd |

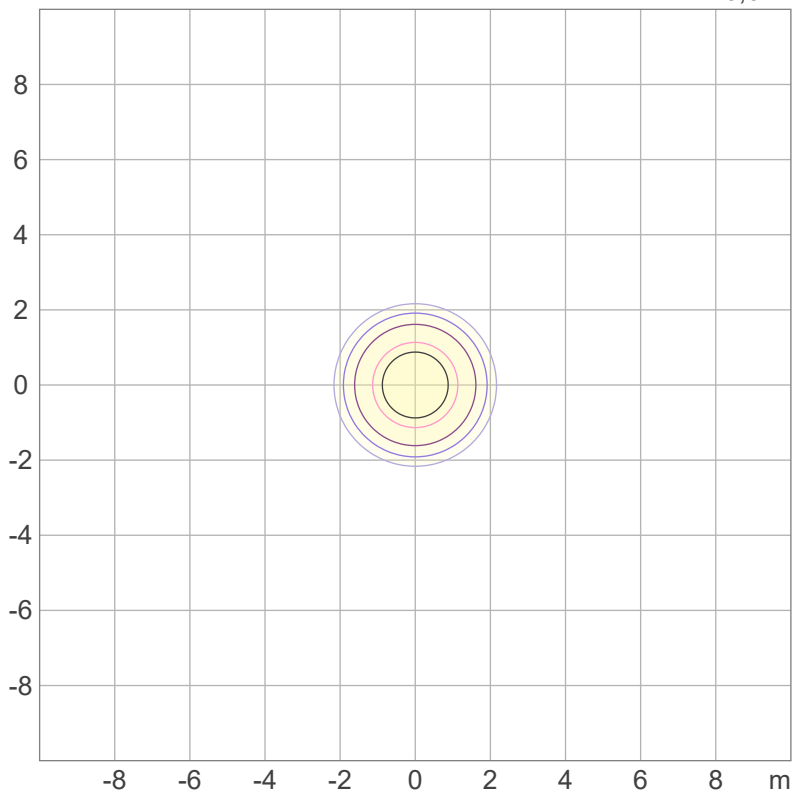
Conditions:

Number of c-planes: 2

Candela at center: 14703 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 4,41 lx |
| 5% | 7,35 lx |
| 10% | 14,7 lx |
| 30% | 44,1 lx |
| 50% | 73,5 lx |

Conditions:

Number of c-planes: 2

Lux at center: 147 lx

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



Total lumen output:

2181 lm

Peak candela output:

2761 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

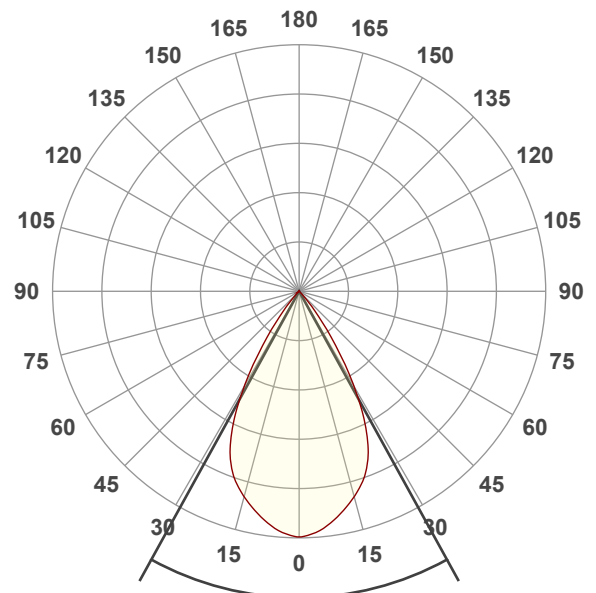
Green - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:16:41

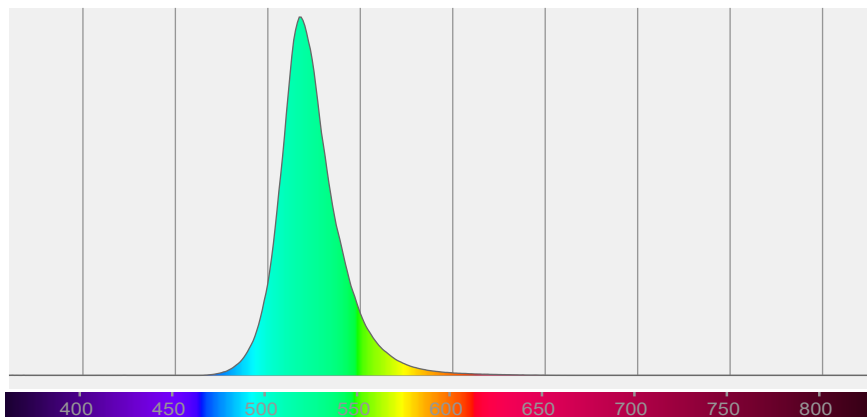


Beam angle 50%: 57,7°

Field angle 10%: 77,7°

Cut off angle 2.5%: 87,2°

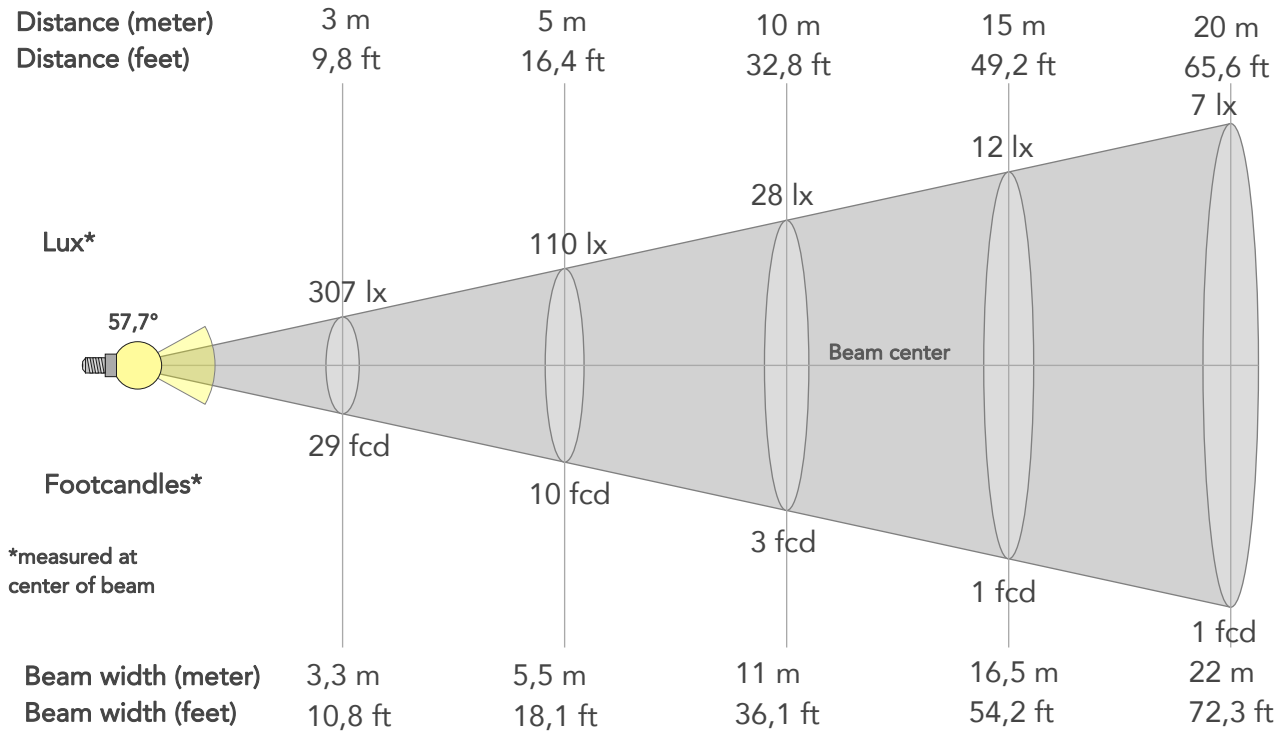
Spectra



BEAM DETAILS



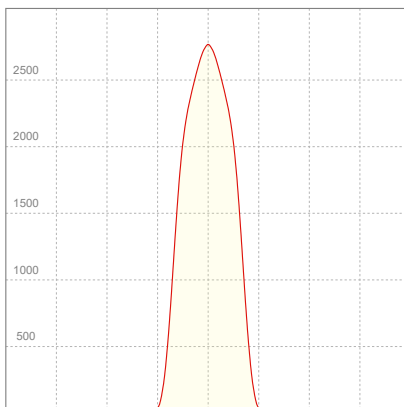
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 57,7° | 77,7° | 87,2° | 100,0% | 99,5% |



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 | 2761lx | 690lx | 307lx | 173lx | 110lx | 49lx | 28lx | 12lx | 7lx | 4lx | 3lx | 2lx | 1lx |
| Footcand. | 257fcd | 64fcd | 29fcd | 16fcd | 10fcd | 5fcd | 3fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 1,1m | 2,2m | 3,3m | 4,4m | 5,5m | 8,3m | 11m | 16,5m | 22m | 27,5m | 33,1m | 44,1m | 55,1m |
| Beam wid. | 3,6ft | 7,3ft | 10,8ft | 14,4ft | 18,1ft | 27,1ft | 36,1ft | 54,2ft | 72,3ft | 90,4ft | 108,4ft | 144,6ft | 180,7ft |

LINEAR DISTRIBUTION DIAGRAM

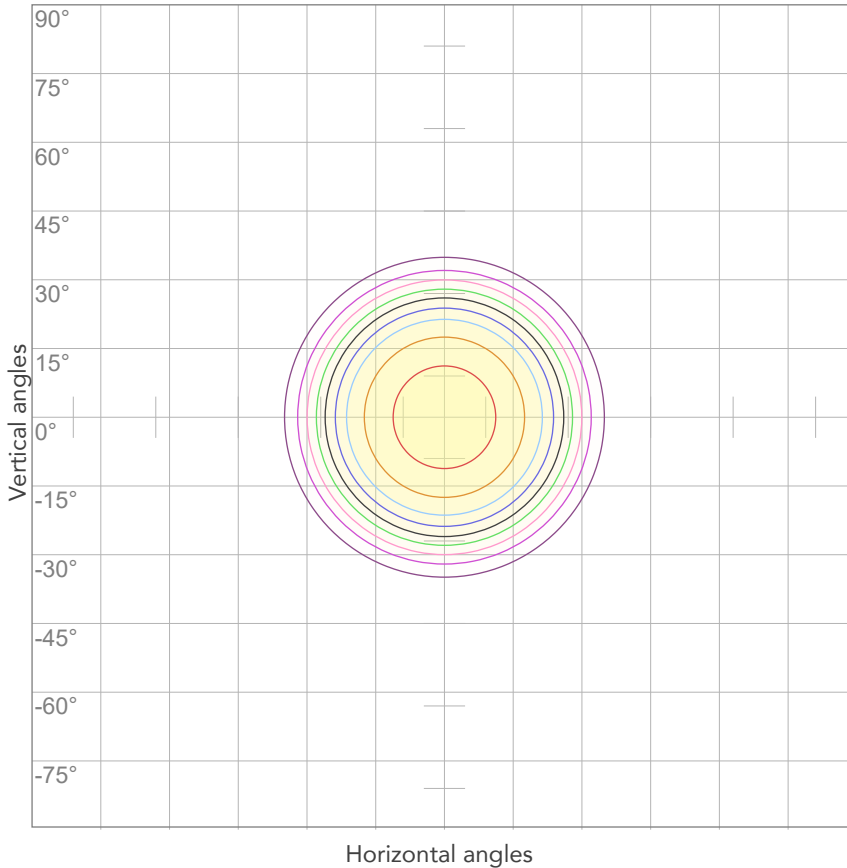


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,484A | 94,9W | 23lm/W |

| Power FC |
|----------|
| 0,87 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 276 cd |
| 20% | 552 cd |
| 30% | 828 cd |
| 40% | 1104 cd |
| 50% | 1381 cd |
| 60% | 1657 cd |
| 70% | 1933 cd |
| 80% | 2209 cd |

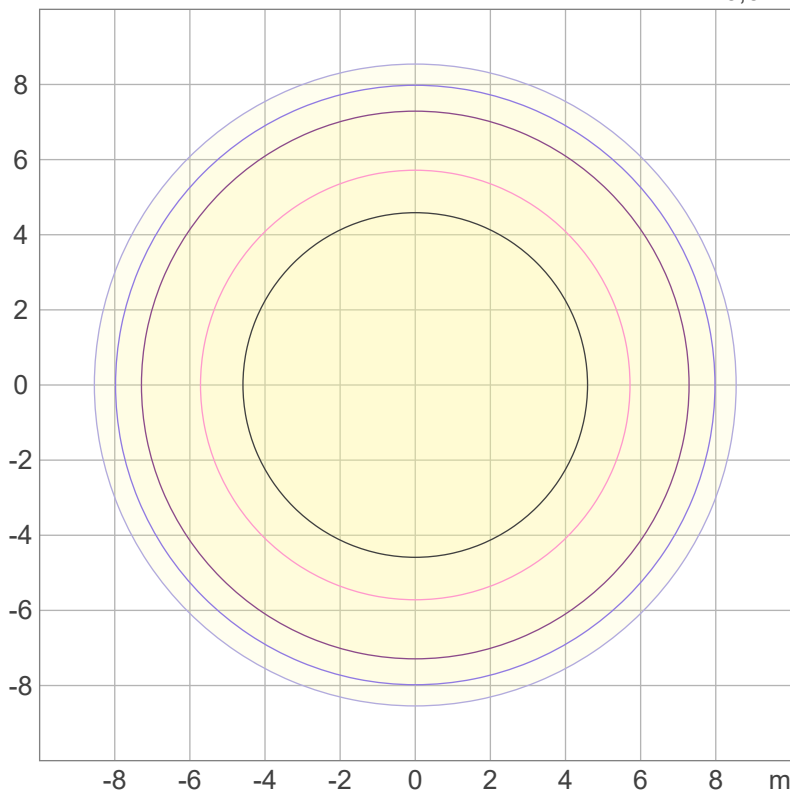
Conditions:

Number of c-planes: 2

Candela at center: 2761 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|----------|
| 3% | 0,828 lx |
| 5% | 1,38 lx |
| 10% | 2,76 lx |
| 30% | 8,28 lx |
| 50% | 13,8 lx |

Conditions:

Number of c-planes: 2

Lux at center: 27,6 lx

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



Total lumen output:

1708 lm

Peak candela output:

8993 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

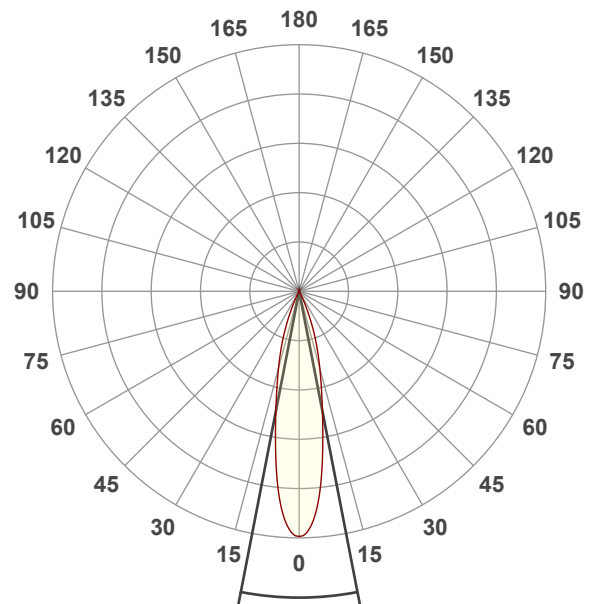
Green - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:16:50

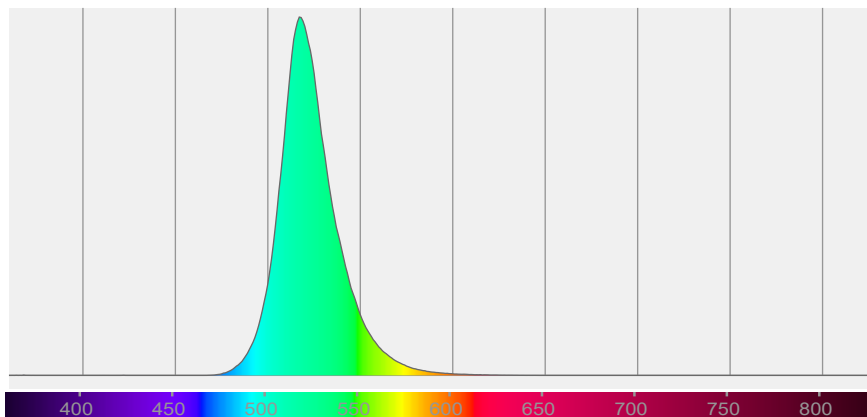


Beam angle 50%: 22°

Field angle 10%: 45,1°

Cut off angle 2.5%: 53,6°

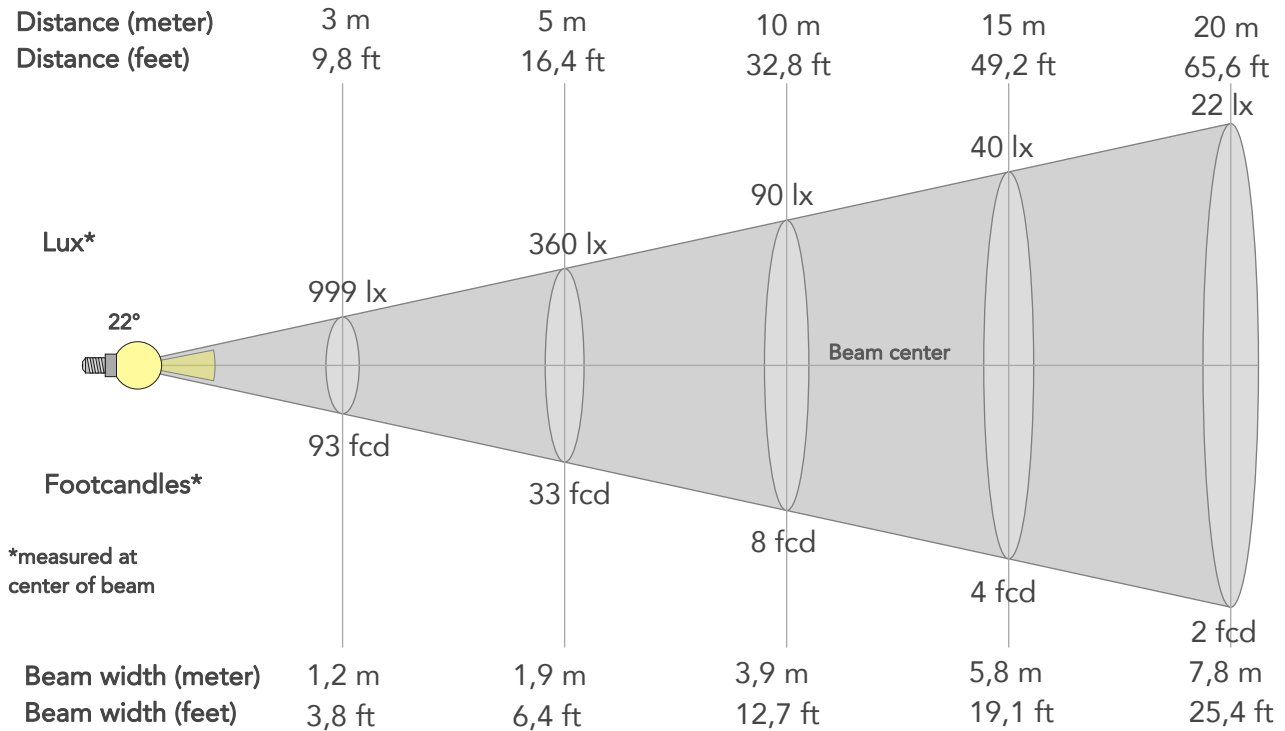
Spectra



BEAM DETAILS



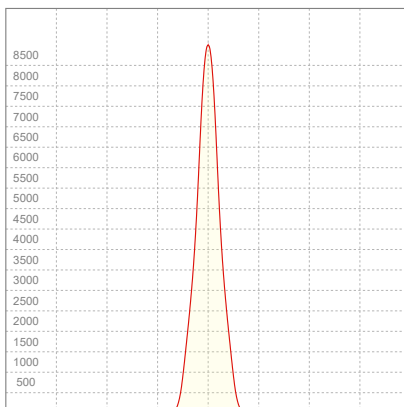
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 22° | 45,1° | 53,6° | 100,0% | 100,0% |



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 | 8993lx | 2248lx | 999lx | 562lx | 360lx | 160lx | 90lx | 40lx | 22lx | 14lx | 10lx | 6lx | 4lx |
| Footcand. | 835fcd | 209fcd | 93fcd | 52fcd | 33fcd | 15fcd | 8fcd | 4fcd | 2fcd | 1fcd | 1fcd | 1fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,6m | 1,9m | 2,9m | 3,9m | 5,8m | 7,8m | 9,7m | 11,6m | 15,5m | 19,4m |
| Beam wid. | 1,3ft | 2,6ft | 3,8ft | 5,1ft | 6,4ft | 9,5ft | 12,7ft | 19,1ft | 25,4ft | 31,8ft | 38,2ft | 50,9ft | 63,6ft |

LINEAR DISTRIBUTION DIAGRAM

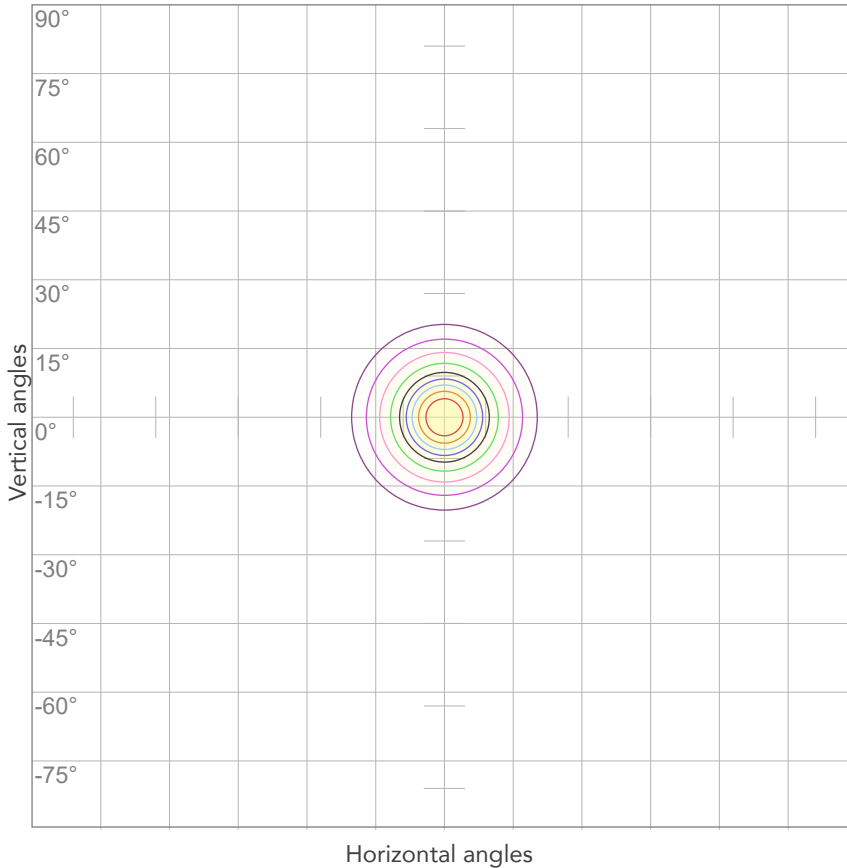


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 227V | 0,483A | 95,0W | 18lm/W |

| Power FC |
|----------|
| 0,87 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 899 cd |
| 20% | 1799 cd |
| 30% | 2698 cd |
| 40% | 3597 cd |
| 50% | 4496 cd |
| 60% | 5396 cd |
| 70% | 6295 cd |
| 80% | 7194 cd |

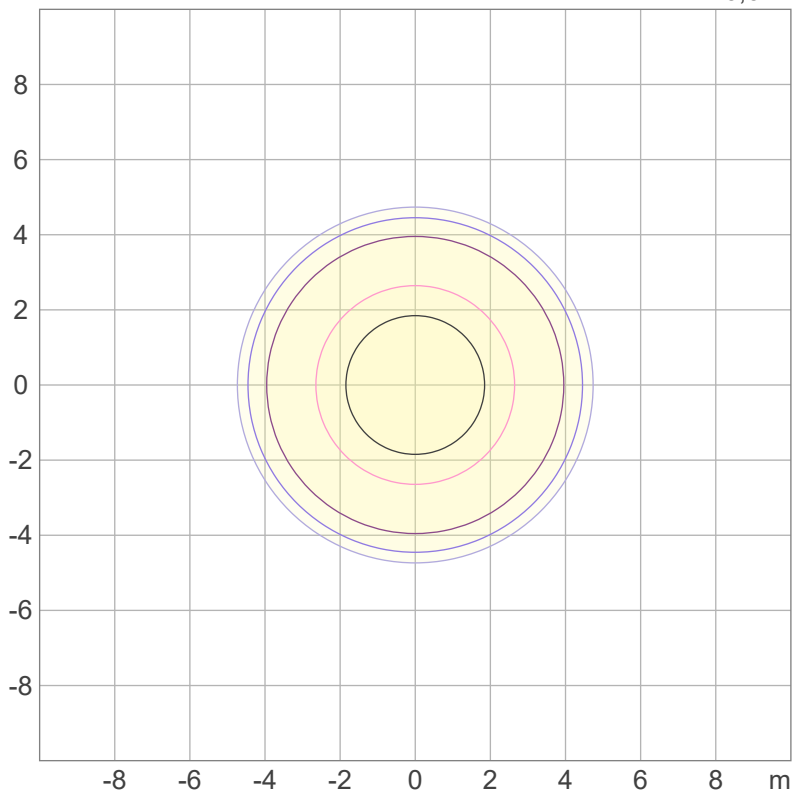
Conditions:

Number of c-planes: 2

Candela at center: 8993 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 2,70 lx |
| 5% | 4,50 lx |
| 10% | 8,99 lx |
| 30% | 27,0 lx |
| 50% | 45,0 lx |

Conditions:

Number of c-planes: 2

Lux at center: 89,9 lx

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



Total lumen output:

889 lm

Peak candela output:

23321 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

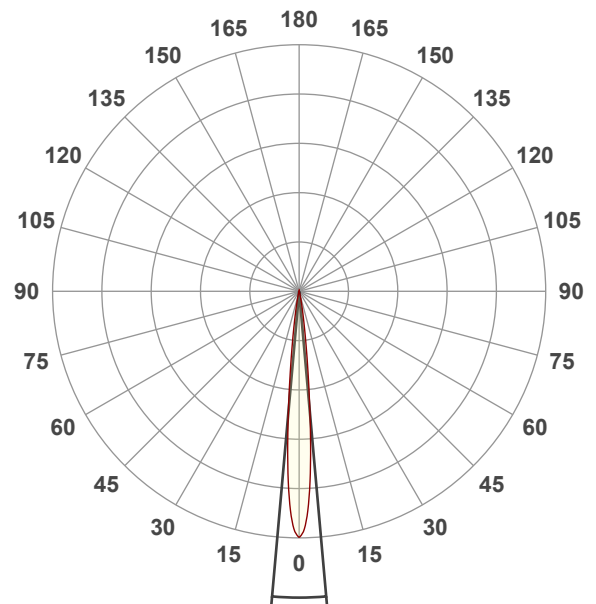
Green - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:27:54

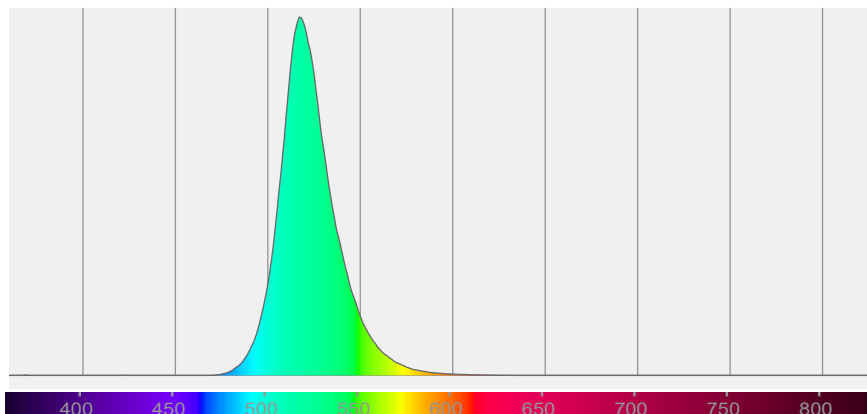


Beam angle 50%: 10,1°

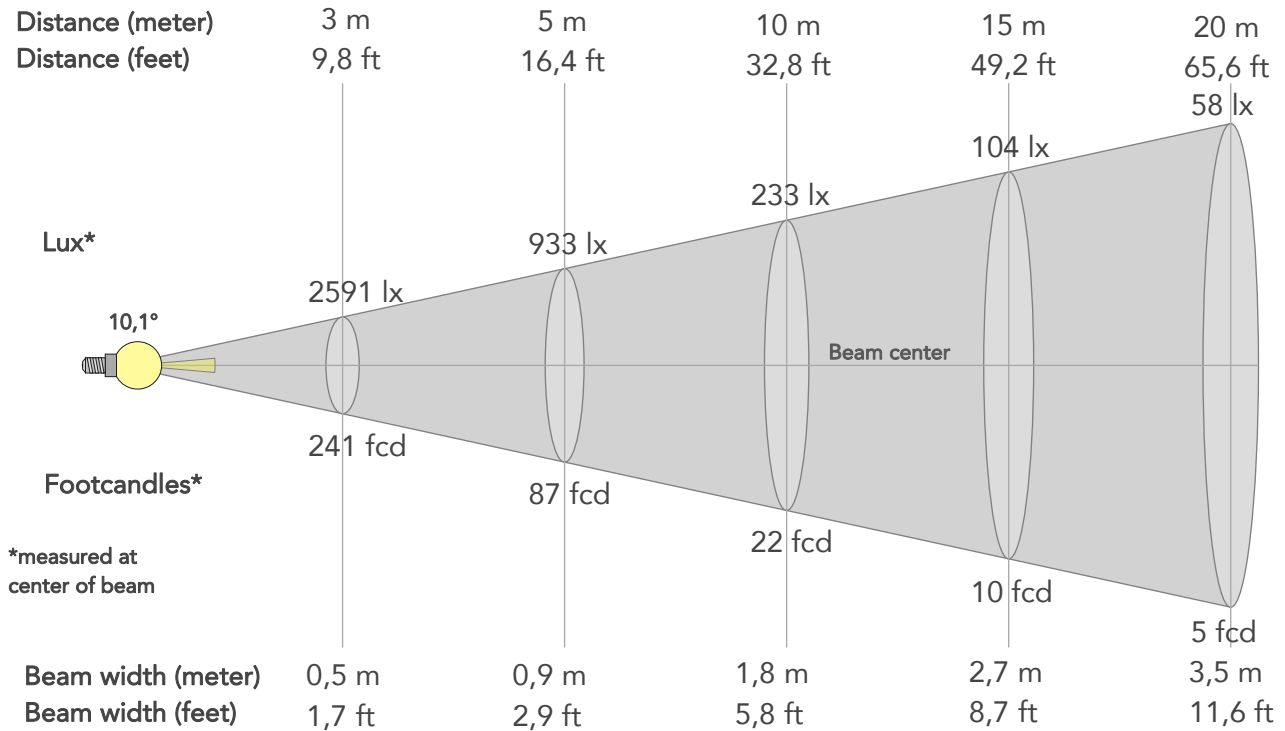
Field angle 10%: 18,7°

Cut off angle 2.5%: 25,9°

Spectra



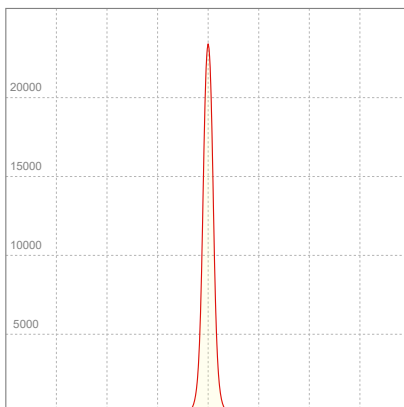
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,1° | 18,7° | 25,9° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 23321lx | 5830lx | 2591lx | 1458lx | 933lx | 415lx | 233lx | 104lx | 58lx | 37lx | 26lx | 15lx | 9lx |
| Footcand. | 2167fcd | 542fcd | 241fcd | 135fcd | 87fcd | 39fcd | 22fcd | 10fcd | 5fcd | 3fcd | 2fcd | 1fcd | 1fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,7m | 3,5m | 4,4m | 5,3m | 7,1m | 8,9m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,4ft | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 17,5ft | 23,3ft | 29,1ft |

LINEAR DISTRIBUTION DIAGRAM

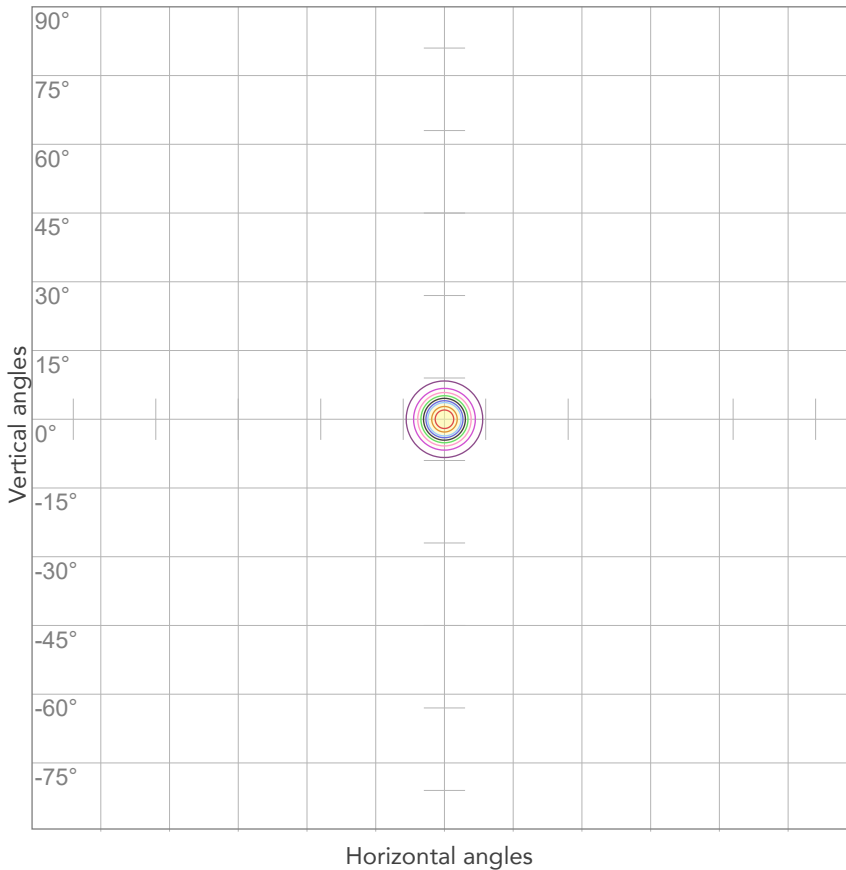


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 225V | 0,483A | 94,4W | 9lm/W |

| |
|----------|
| Power FC |
| 0,87 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 2332 cd |
| 20% | 4664 cd |
| 30% | 6996 cd |
| 40% | 9328 cd |
| 50% | 11660 cd |
| 60% | 13992 cd |
| 70% | 16324 cd |
| 80% | 18657 cd |

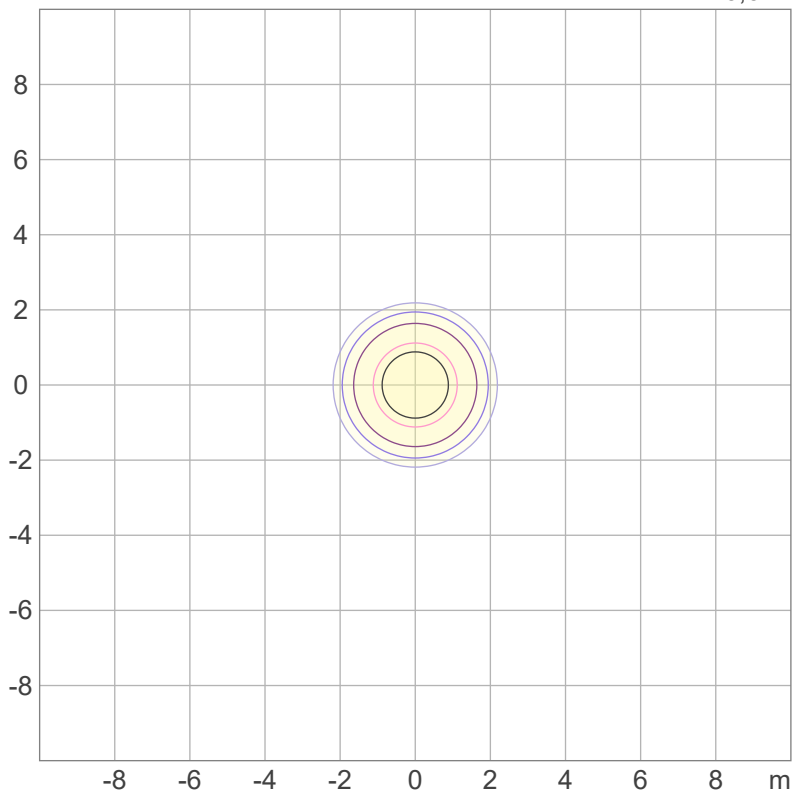
Conditions:

Number of c-planes: 2

Candela at center: 23321 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 7,00 lx |
| 5% | 11,7 lx |
| 10% | 23,3 lx |
| 30% | 70,0 lx |
| 50% | 117 lx |

Conditions:

Number of c-planes: 2

Lux at center: 233 lx

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



Total lumen output:

407 lm

Peak candela output:

519 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

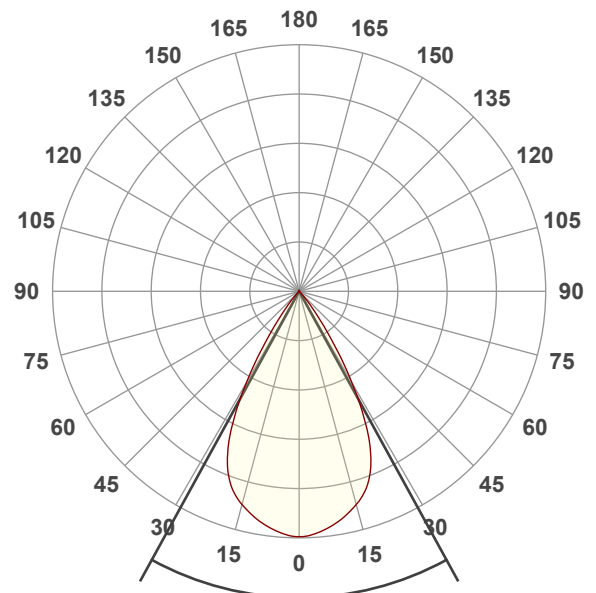
Blue - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:18:05

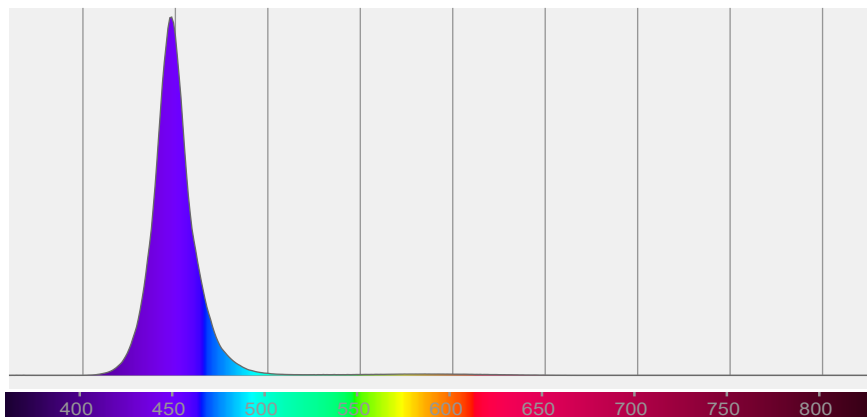


Beam angle 50%: 57,5°

Field angle 10%: 75,5°

Cut off angle 2.5%: 85,2°

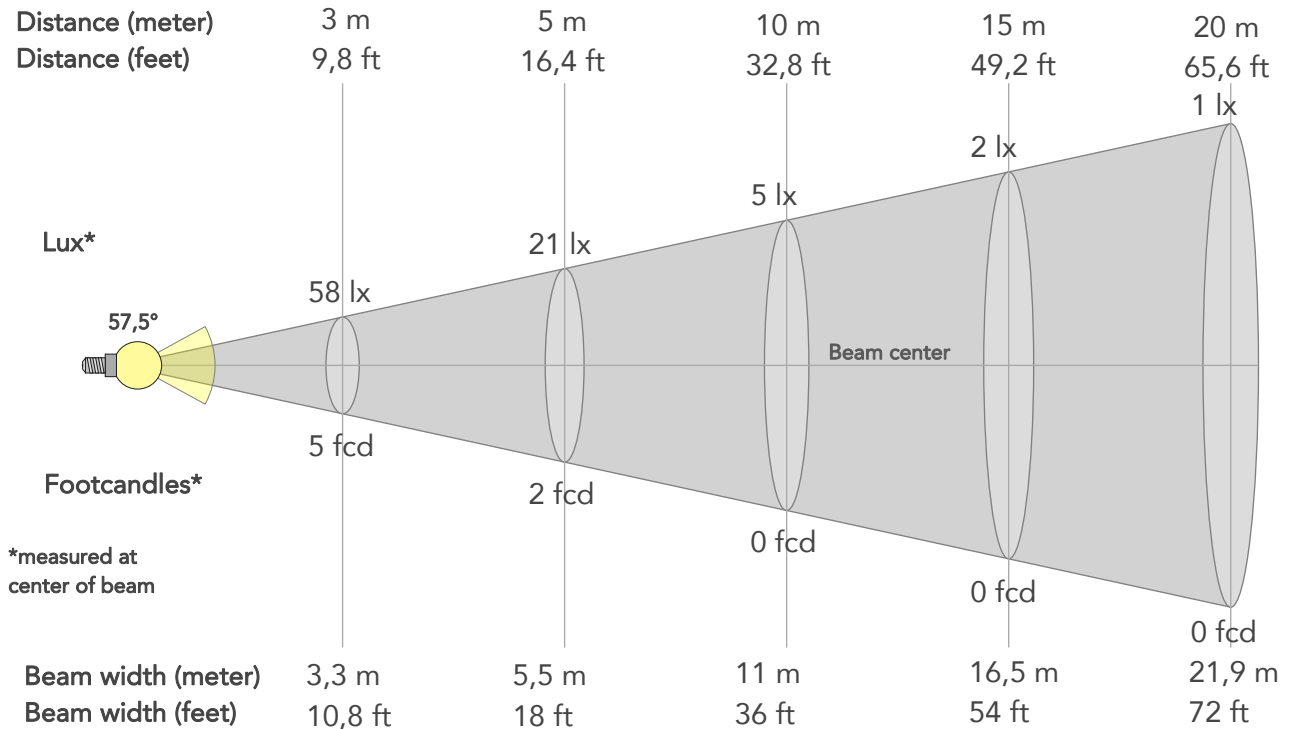
Spectra



BEAM DETAILS



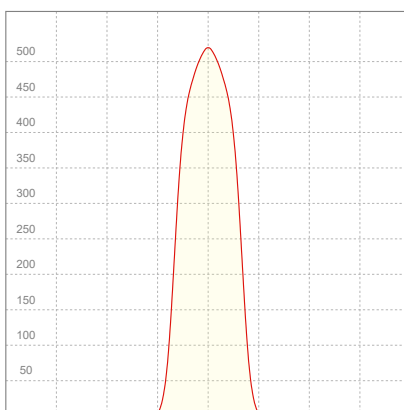
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 57,5° | 75,5° | 85,2° | 100,0% | 99,6% |



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 | 519lx | 130lx | 58lx | 32lx | 21lx | 9lx | 5lx | 2lx | 1lx | 1lx | 1lx | 0lx | 0lx |
| Footcand. | 48fcd | 12fcd | 5fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 1,1m | 2,2m | 3,3m | 4,4m | 5,5m | 8,2m | 11m | 16,5m | 21,9m | 27,4m | 32,9m | 43,9m | 54,9m |
| Beam wid. | 3,6ft | 7,2ft | 10,8ft | 14,4ft | 18ft | 27ft | 36ft | 54ft | 72ft | 90ft | 108ft | 144ft | 179,9ft |

LINEAR DISTRIBUTION DIAGRAM

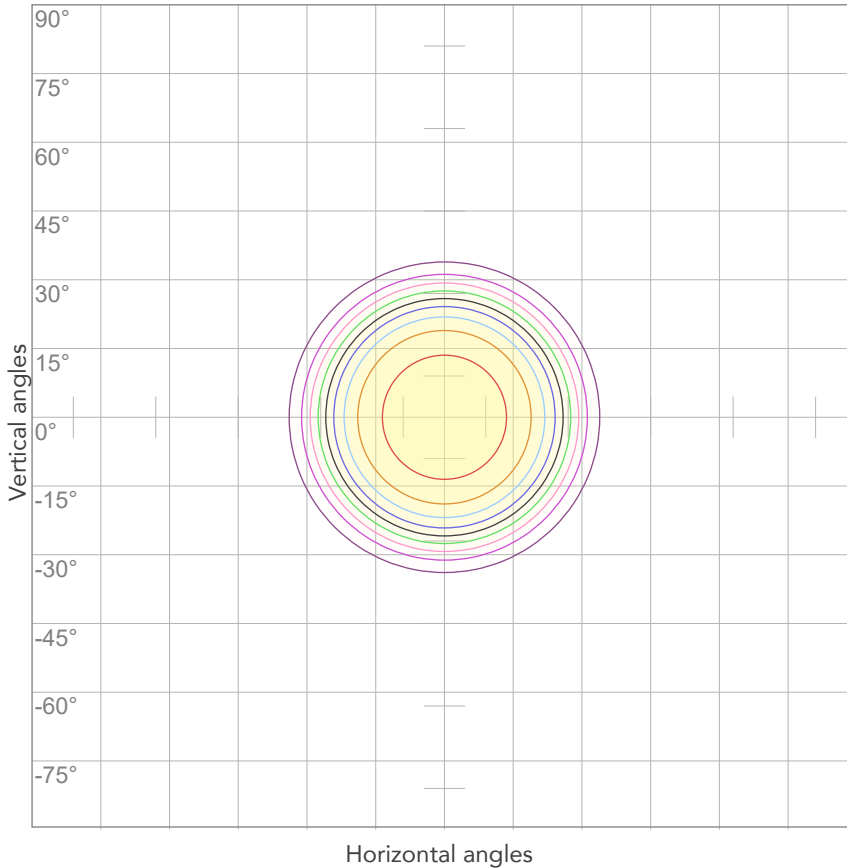


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,505A | 101,2W | 4lm/W |

| Power FC |
|----------|
| 0,89 |

ISO CANDELA DIAGRAM



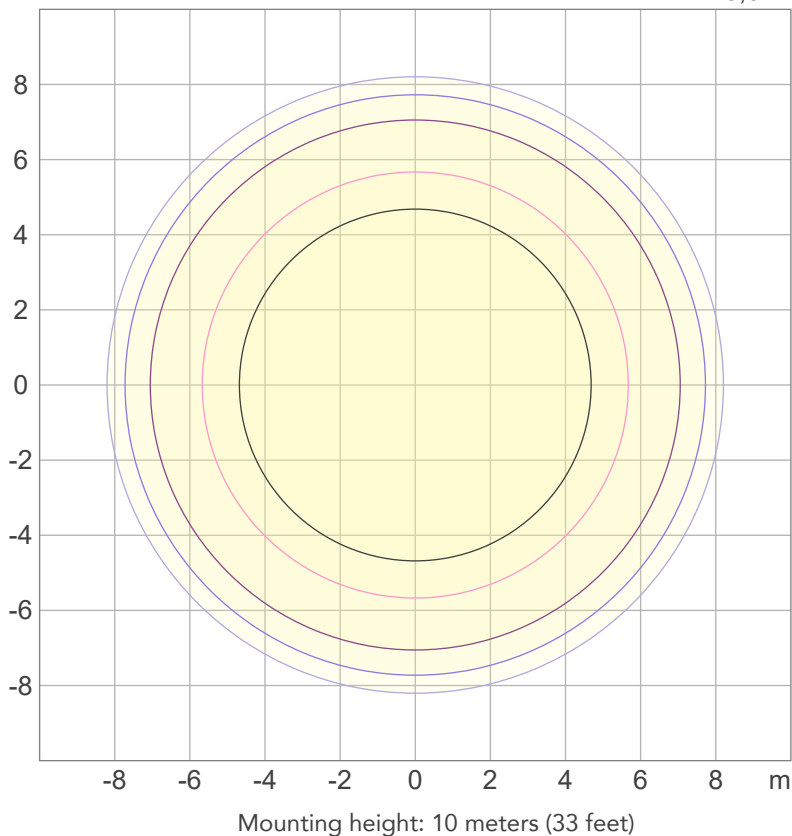
| | |
|-----|--------|
| 10% | 52 cd |
| 20% | 104 cd |
| 30% | 156 cd |
| 40% | 208 cd |
| 50% | 259 cd |
| 60% | 311 cd |
| 70% | 363 cd |
| 80% | 415 cd |

Conditions:

Number of c-planes: 2
Candela at center: 519 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|----------|
| 3% | 0,156 lx |
| 5% | 0,259 lx |
| 10% | 0,519 lx |
| 30% | 1,56 lx |
| 50% | 2,59 lx |

Conditions:

Number of c-planes: 2
Lux at center: 5,19 lx

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



Total lumen output:

310 lm

Peak candela output:

1730 cd

PRODUCT NAME:
ECLFRCTPLIP

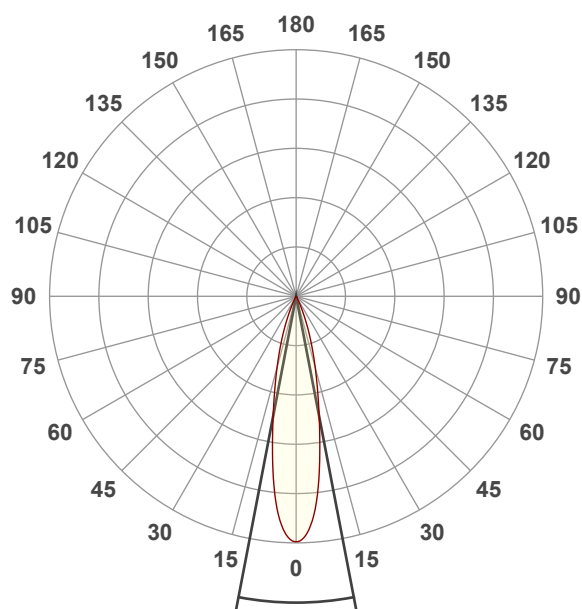
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Blue - HQ

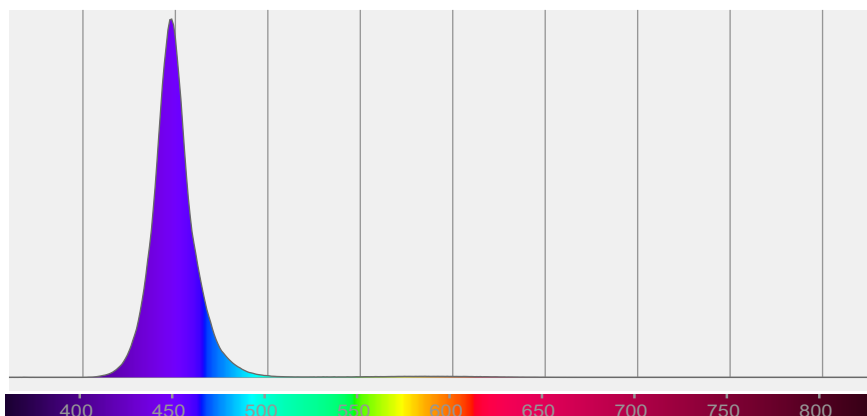
Operator:
Salvatore Giglio

Date and time:
21/09/2023 13:18:20



Beam angle 50%: 21,7°
Field angle 10%: 43,1°
Cut off angle 2.5%: 52,6°

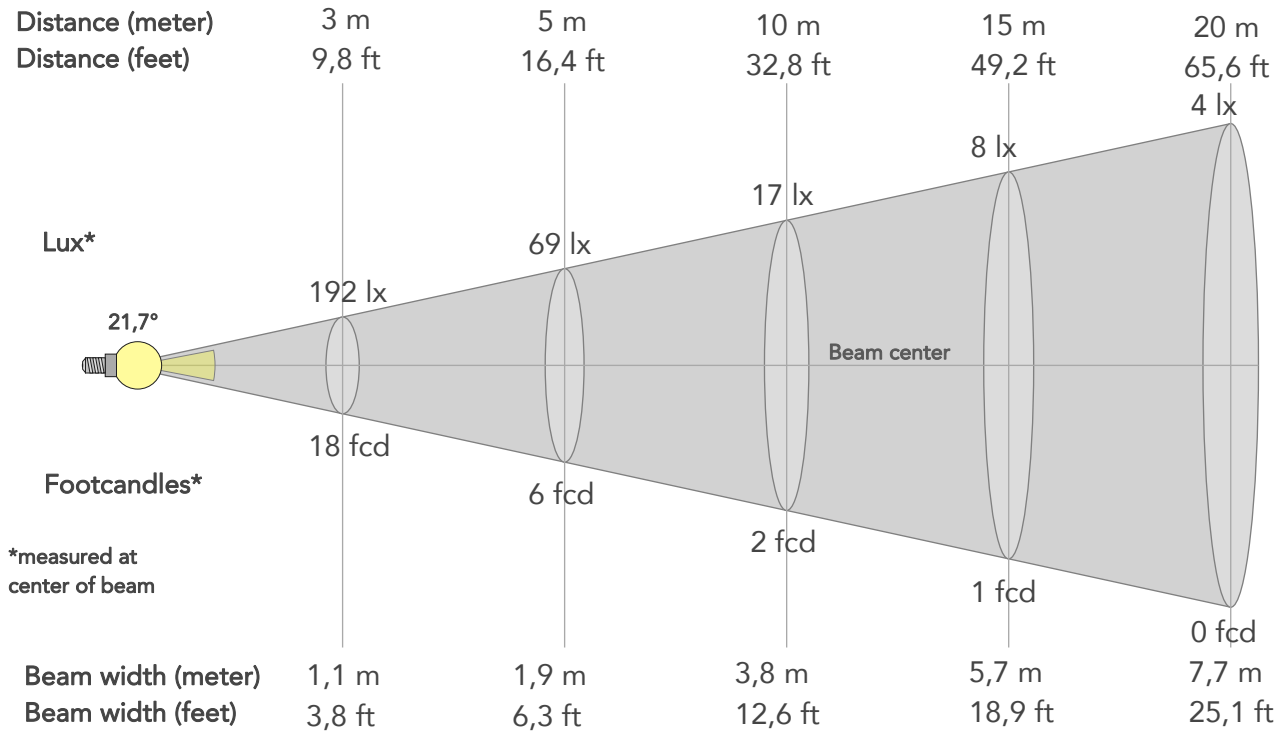
Spectra



BEAM DETAILS



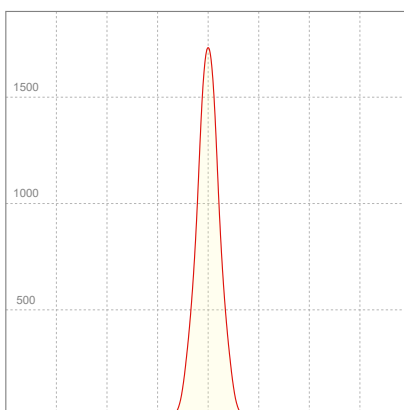
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,7° | 43,1° | 52,6° | 100,0% | 99,9% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 1730lx | 433lx | 192lx | 108lx | 69lx | 31lx | 17lx | 8lx | 4lx | 3lx | 2lx | 1lx | 1lx |
| Footcand. | 161fcd | 40fcd | 18fcd | 10fcd | 6fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,1m | 1,5m | 1,9m | 2,9m | 3,8m | 5,7m | 7,7m | 9,6m | 11,5m | 15,3m | 19,2m |
| Beam wid. | 1,3ft | 2,5ft | 3,8ft | 5ft | 6,3ft | 9,4ft | 12,6ft | 18,9ft | 25,1ft | 31,4ft | 37,7ft | 50,3ft | 62,9ft |

LINEAR DISTRIBUTION DIAGRAM

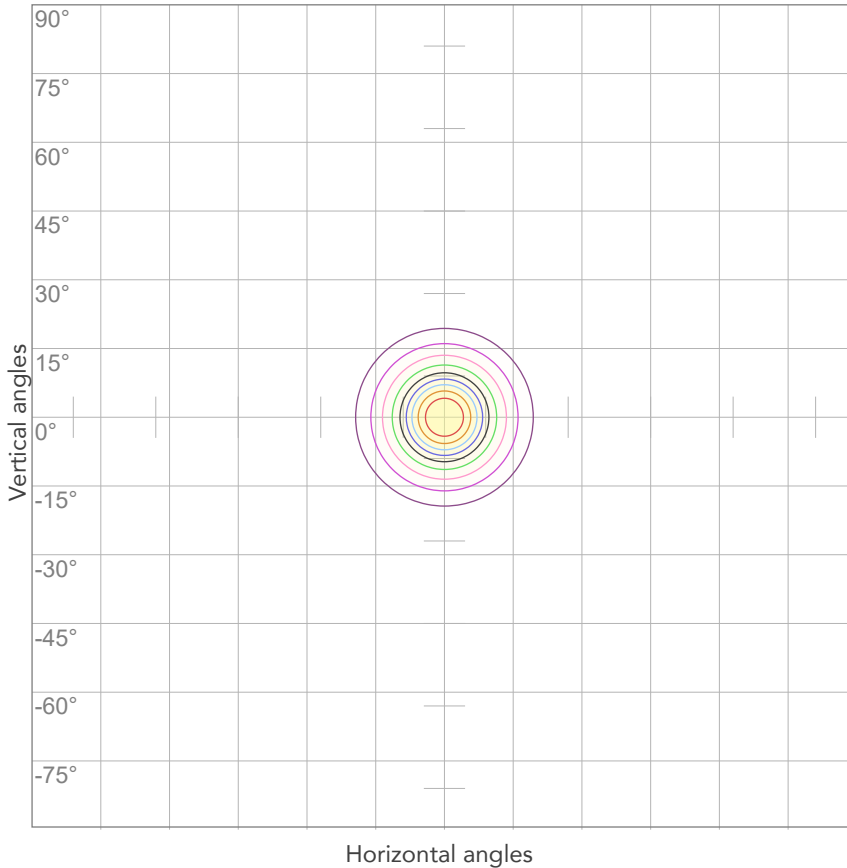


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 227V | 0,501A | 101,2W | 3lm/W |

| |
|----------|
| Power FC |
| 0,89 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 173 cd |
| 20% | 346 cd |
| 30% | 519 cd |
| 40% | 692 cd |
| 50% | 865 cd |
| 60% | 1038 cd |
| 70% | 1211 cd |
| 80% | 1384 cd |

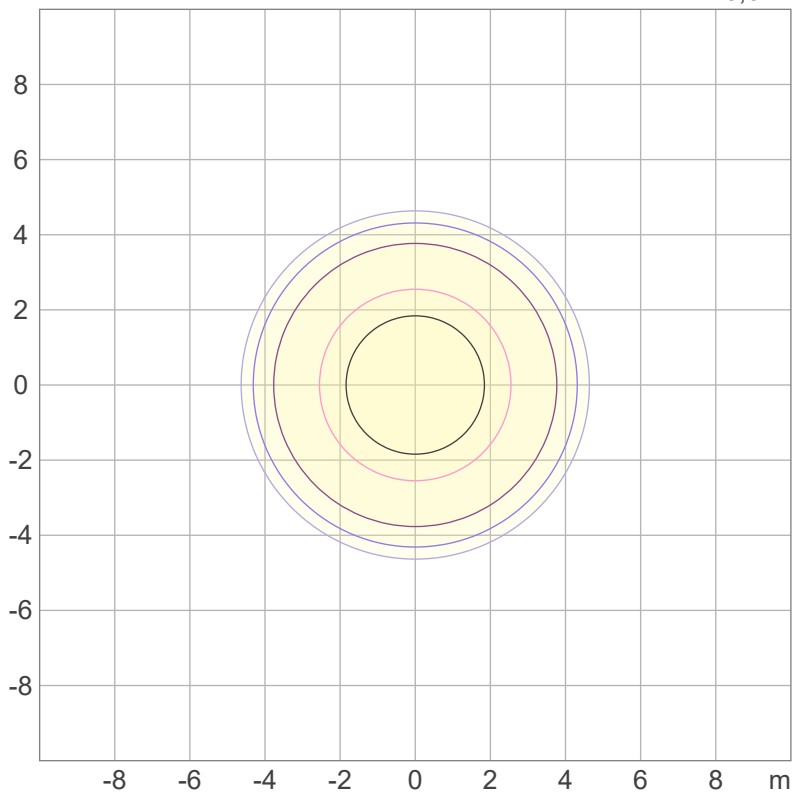
Conditions:

Number of c-planes: 2

Candela at center: 1730 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|----------|
| 3% | 0,519 lx |
| 5% | 0,865 lx |
| 10% | 1,73 lx |
| 30% | 5,19 lx |
| 50% | 8,65 lx |

Conditions:

Number of c-planes: 2

Lux at center: 17,3 lx

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



Total lumen output:

172 lm

Peak candela output:

4598 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

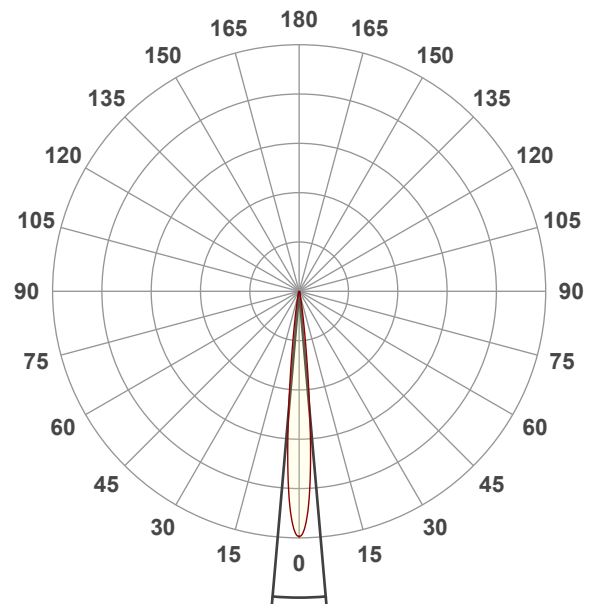
Blue - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:29:08

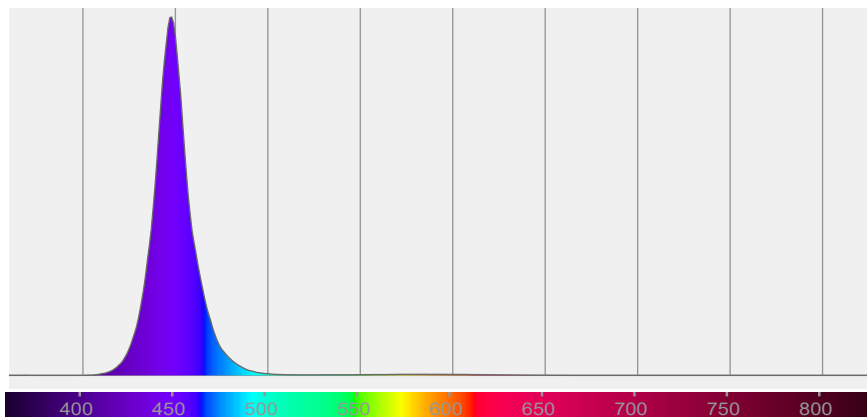


Beam angle 50%: 10°

Field angle 10%: 17,7°

Cut off angle 2.5%: 25,3°

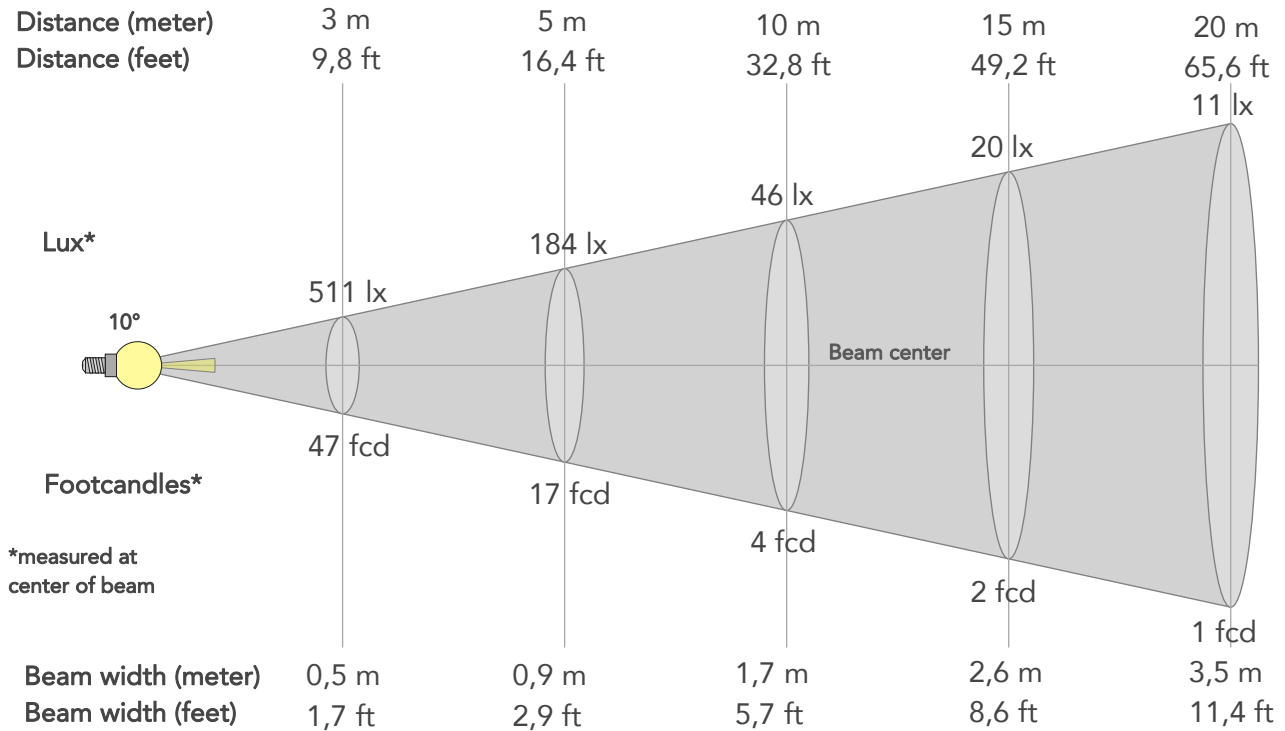
Spectra



BEAM DETAILS



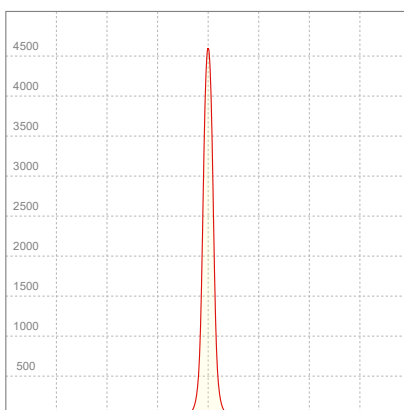
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10° | 17,7° | 25,3° | 100,0% | 99,9% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 4598lx | 1149lx | 511lx | 287lx | 184lx | 82lx | 46lx | 20lx | 11lx | 7lx | 5lx | 3lx | 2lx |
| Footcand. | 427fcd | 107fcd | 47fcd | 27fcd | 17fcd | 8fcd | 4fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,2m | 0,3m | 0,5m | 0,7m | 0,9m | 1,3m | 1,7m | 2,6m | 3,5m | 4,4m | 5,2m | 7m | 8,7m |
| Beam wid. | 0,6ft | 1,1ft | 1,7ft | 2,3ft | 2,9ft | 4,3ft | 5,7ft | 8,6ft | 11,4ft | 14,3ft | 17,1ft | 22,9ft | 28,6ft |

LINEAR DISTRIBUTION DIAGRAM

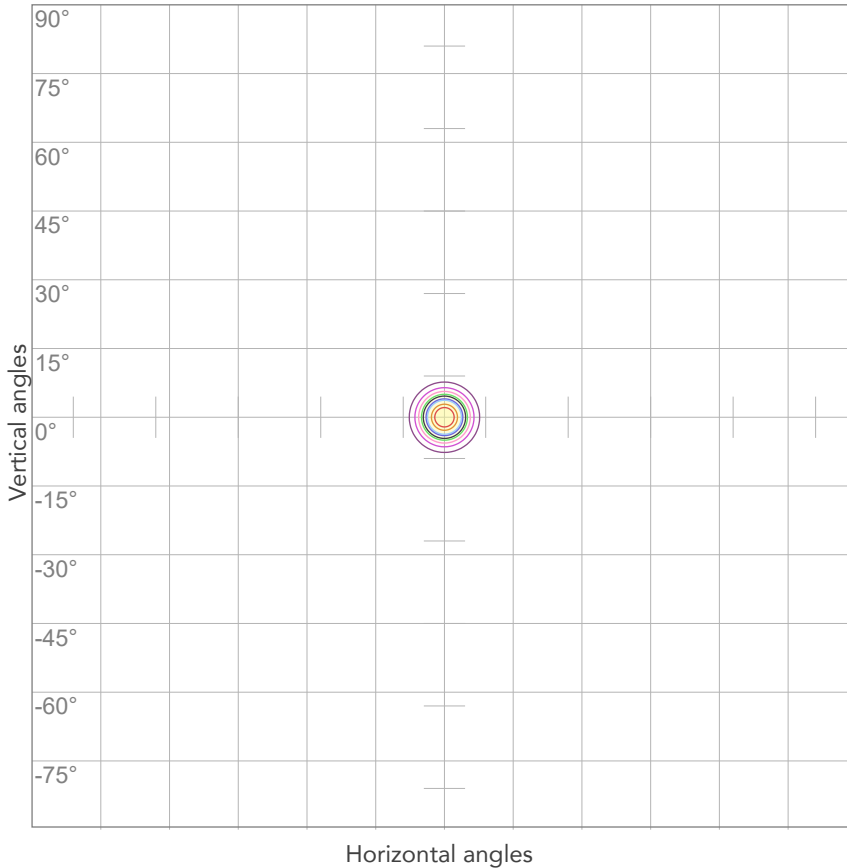


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 225V | 0,503A | 100,9W | 2lm/W |

| |
|----------|
| Power FC |
| 0,89 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 460 cd |
| 20% | 920 cd |
| 30% | 1379 cd |
| 40% | 1839 cd |
| 50% | 2299 cd |
| 60% | 2759 cd |
| 70% | 3218 cd |
| 80% | 3678 cd |

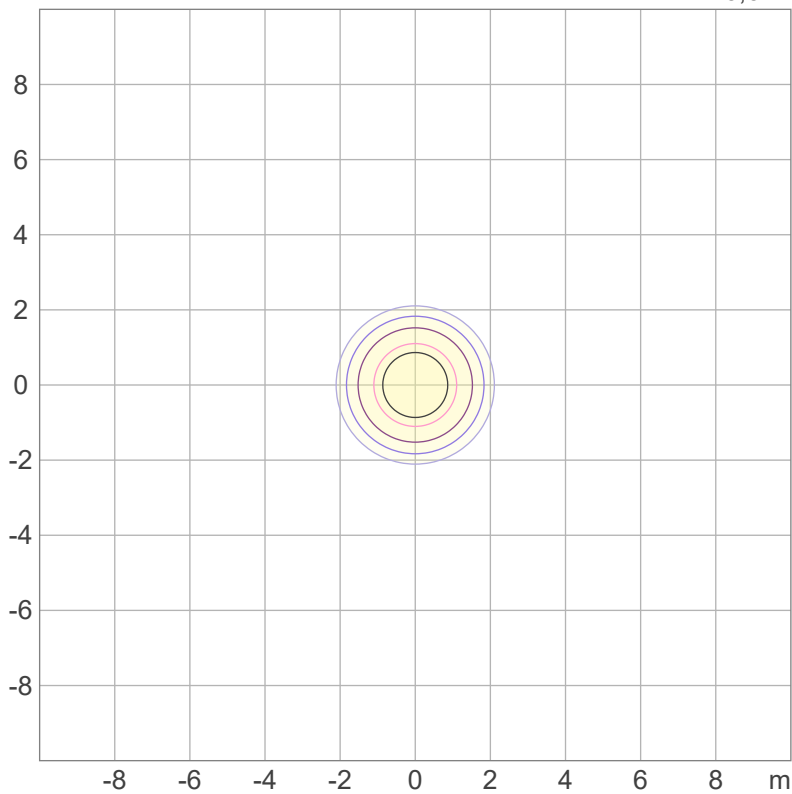
Conditions:

Number of c-planes: 2

Candela at center: 4598 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 1,38 lx |
| 5% | 2,30 lx |
| 10% | 4,60 lx |
| 30% | 13,8 lx |
| 50% | 23,0 lx |

Conditions:

Number of c-planes: 2

Lux at center: 46,0 lx

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



Total lumen output:

502 lm

Peak candela output:

612 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

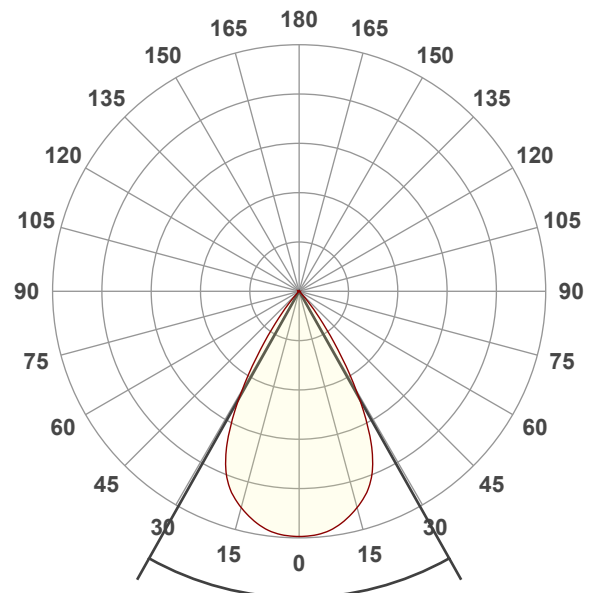
Cyan - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:19:20

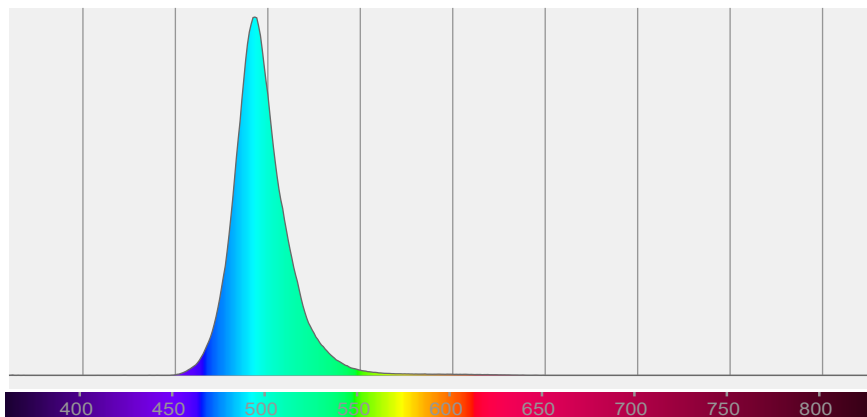


Beam angle 50%: 58,7°

Field angle 10%: 77,6°

Cut off angle 2.5%: 85,8°

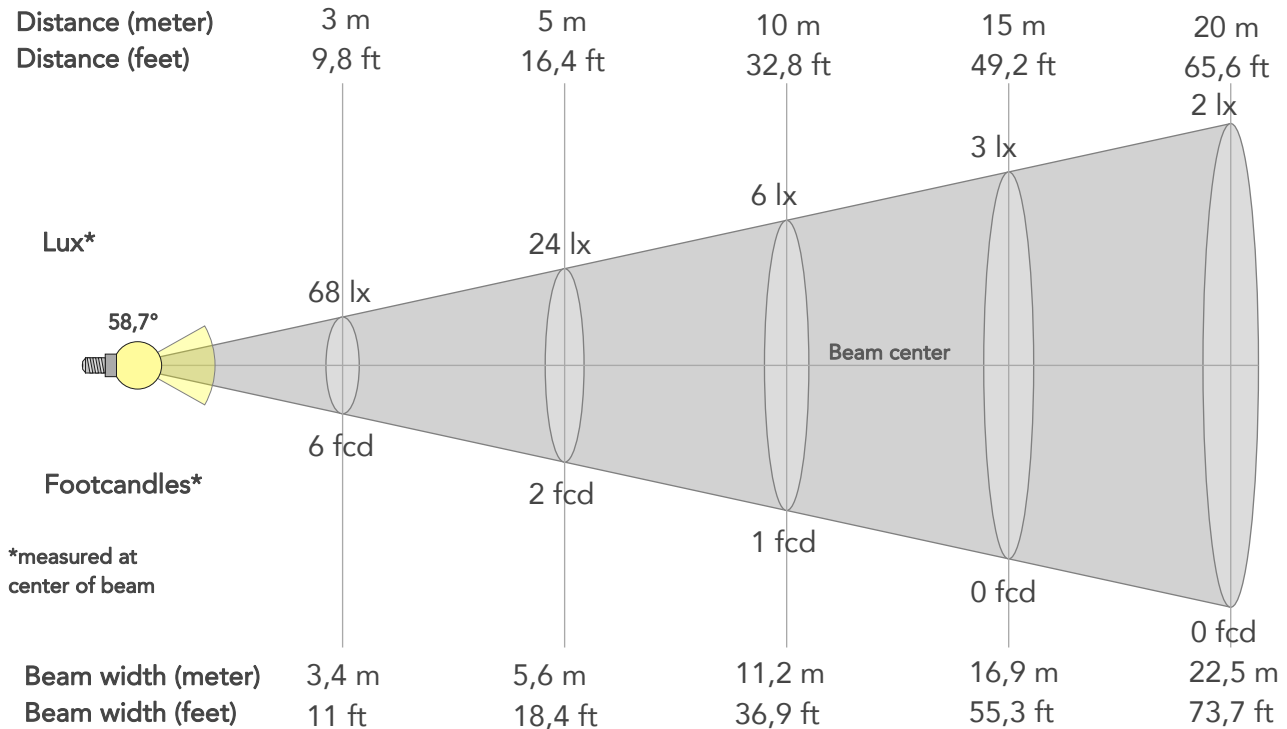
Spectra



BEAM DETAILS



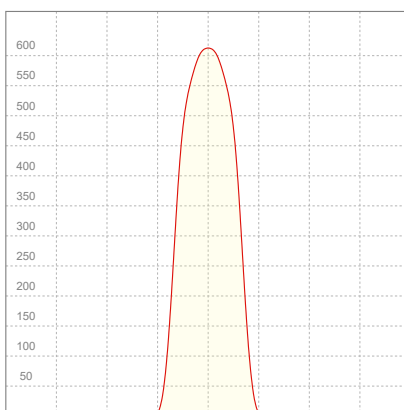
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 58,7° | 77,6° | 85,8° | 100,0% | 99,8% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 612lx | 153lx | 68lx | 38lx | 24lx | 11lx | 6lx | 3lx | 2lx | 1lx | 1lx | 0lx | 0lx |
| Footcand. | 57fcd | 14fcd | 6fcd | 4fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 1,1m | 2,2m | 3,4m | 4,5m | 5,6m | 8,4m | 11,2m | 16,9m | 22,5m | 28,1m | 33,7m | 44,9m | 56,2m |
| Beam wid. | 3,7ft | 7,4ft | 11ft | 14,7ft | 18,4ft | 27,6ft | 36,9ft | 55,3ft | 73,7ft | 92,1ft | 110,6ft | 147,4ft | 184,3ft |

LINEAR DISTRIBUTION DIAGRAM

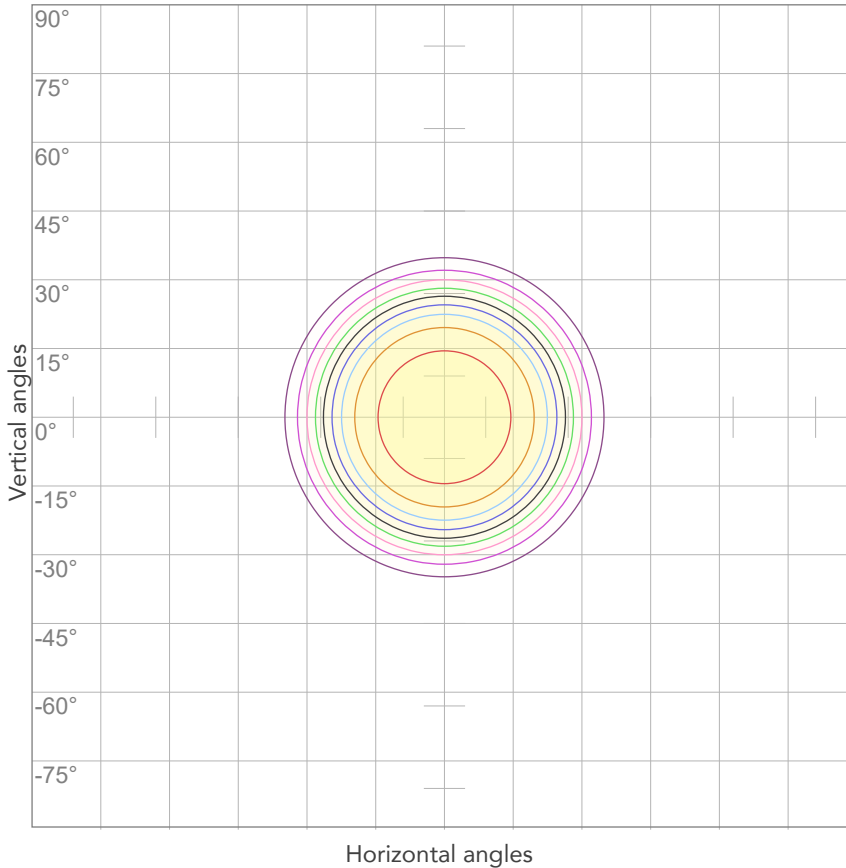


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 225V | 0,392A | 50,7W | 10lm/W |

| |
|----------|
| Power FC |
| 0,58 |

ISO CANDELA DIAGRAM



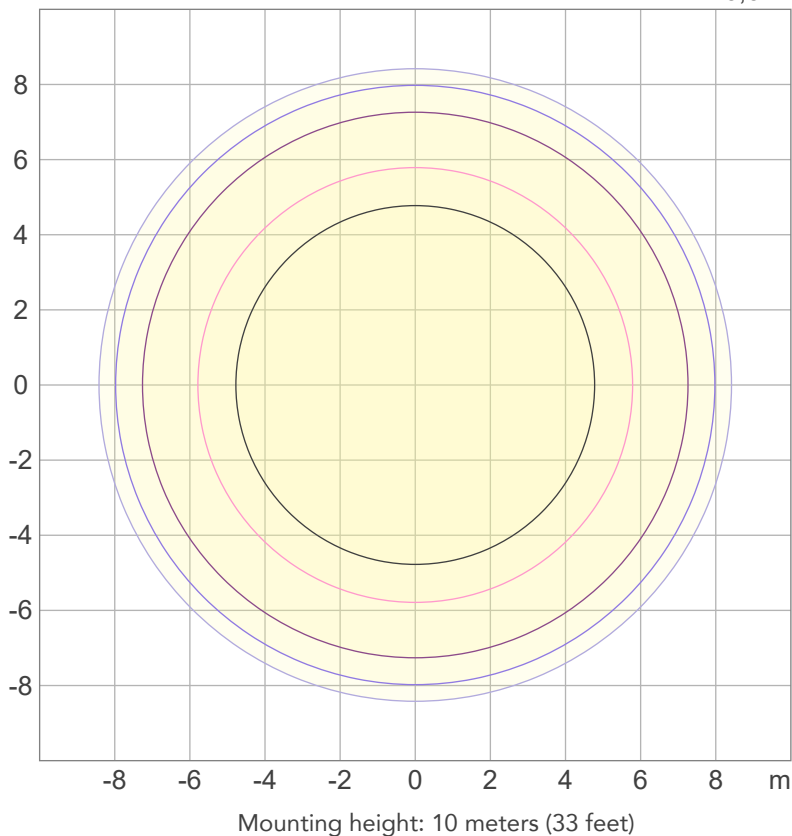
| | |
|-----|--------|
| 10% | 61 cd |
| 20% | 122 cd |
| 30% | 184 cd |
| 40% | 245 cd |
| 50% | 306 cd |
| 60% | 367 cd |
| 70% | 429 cd |
| 80% | 490 cd |

Conditions:

Number of c-planes: 2
Candela at center: 612 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|----------|
| 3% | 0,184 lx |
| 5% | 0,306 lx |
| 10% | 0,612 lx |
| 30% | 1,84 lx |
| 50% | 3,06 lx |

Conditions:

Number of c-planes: 2
Lux at center: 6,12 lx

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



Total lumen output:

403 lm

Peak candela output:

2044 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

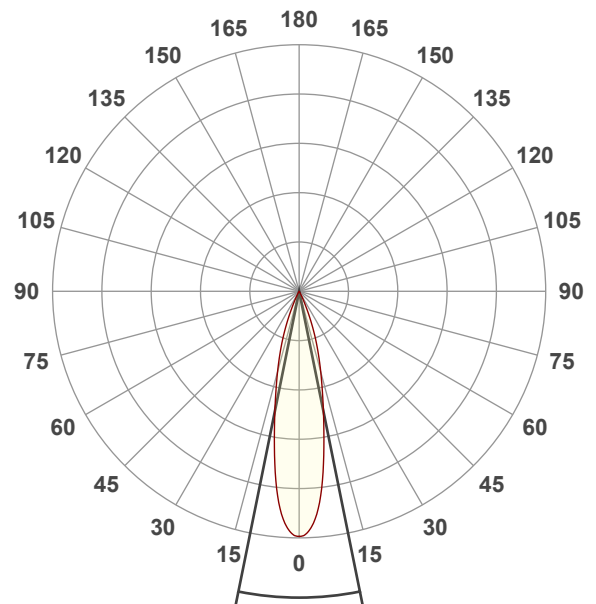
Cyan - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:20:05

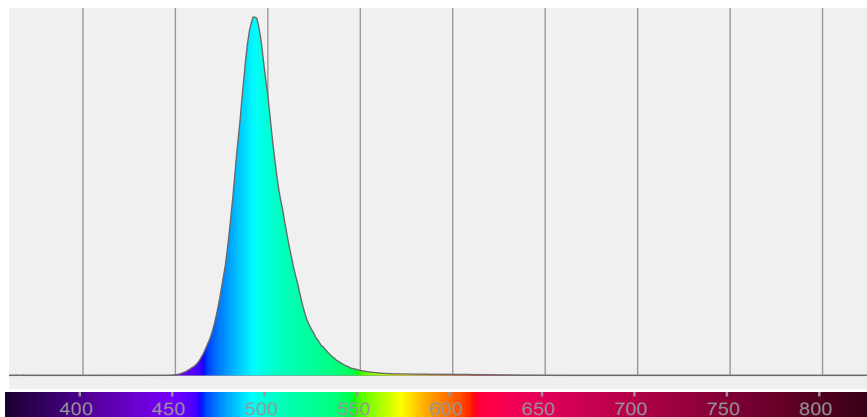


Beam angle 50%: 22,9°

Field angle 10%: 45,2°

Cut off angle 2.5%: 53,7°

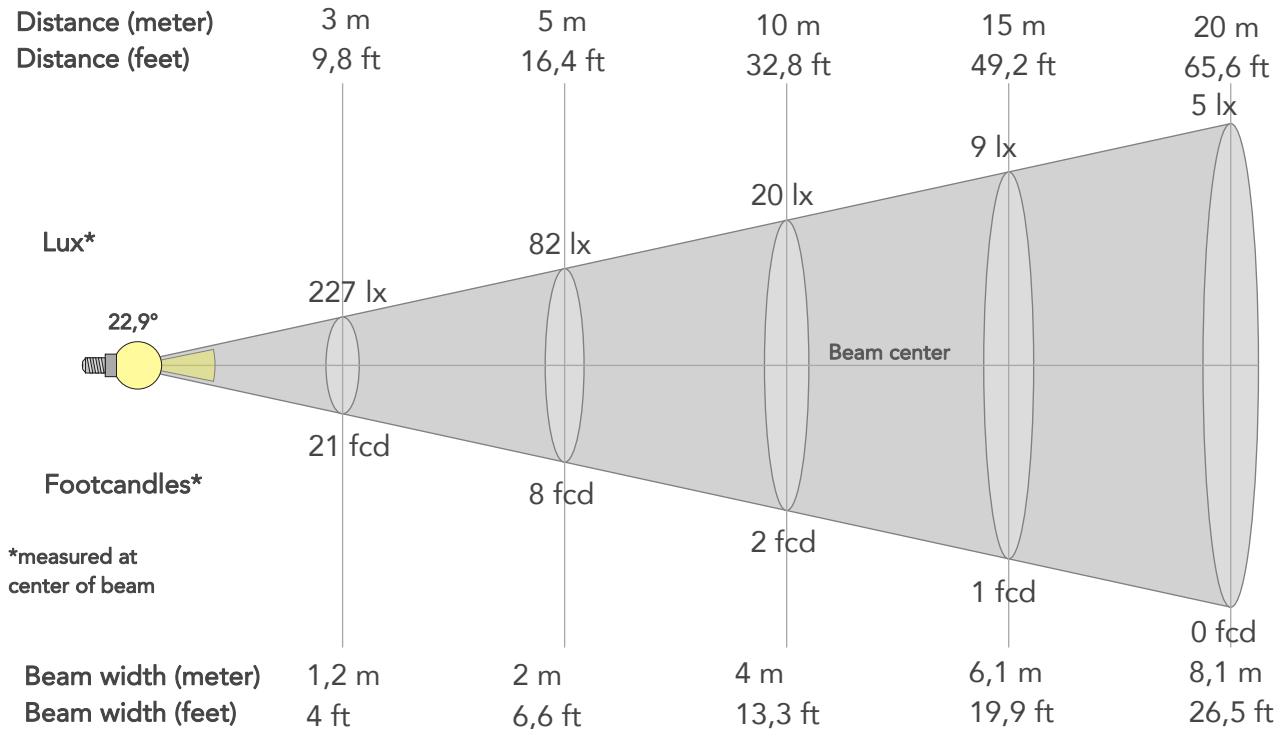
Spectra



BEAM DETAILS



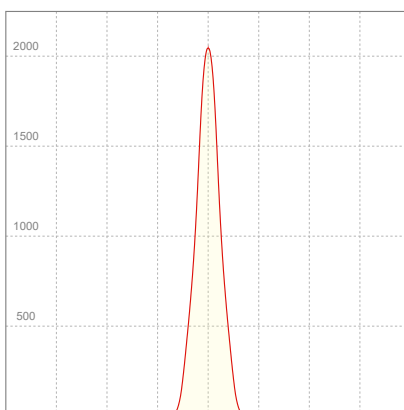
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 22,9° | 45,2° | 53,7° | 100,0% | 99,9% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 2044lx | 511lx | 227lx | 128lx | 82lx | 36lx | 20lx | 9lx | 5lx | 3lx | 2lx | 1lx | 1lx |
| Footcand. | 190fcd | 47fcd | 21fcd | 12fcd | 8fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,6m | 2m | 3m | 4m | 6,1m | 8,1m | 10,1m | 12,1m | 16,2m | 20,2m |
| Beam wid. | 1,3ft | 2,7ft | 4ft | 5,3ft | 6,6ft | 10ft | 13,3ft | 19,9ft | 26,5ft | 33,2ft | 39,8ft | 53,1ft | 66,4ft |

LINEAR DISTRIBUTION DIAGRAM

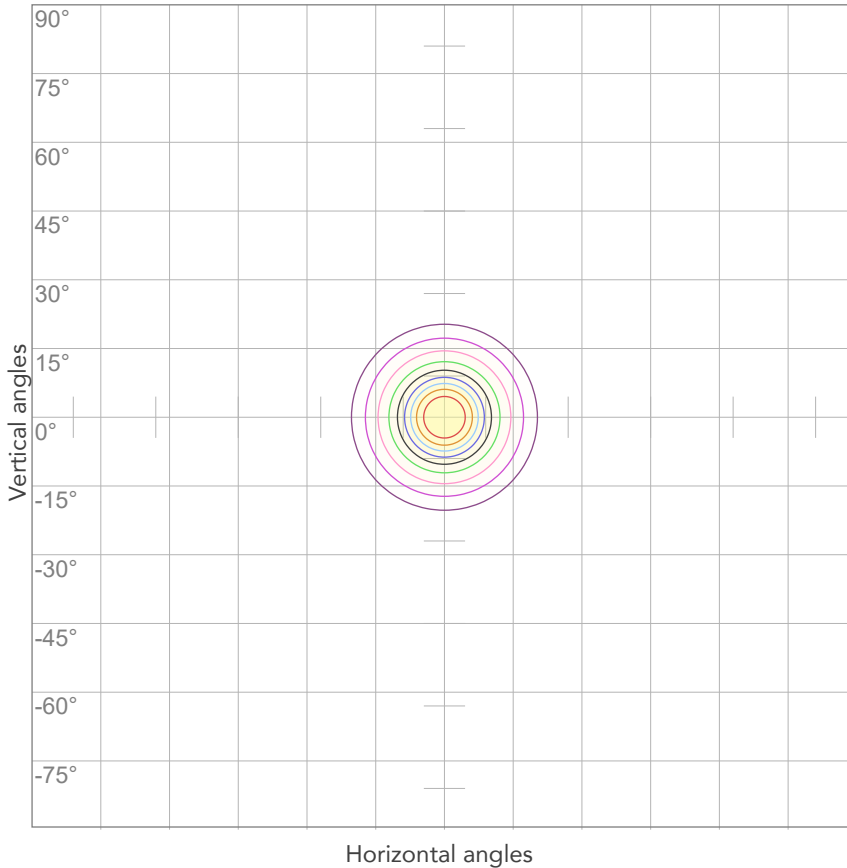


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 228V | 0,395A | 50,8W | 8lm/W |

| Power FC |
|----------|
| 0,56 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 204 cd |
| 20% | 409 cd |
| 30% | 613 cd |
| 40% | 818 cd |
| 50% | 1022 cd |
| 60% | 1226 cd |
| 70% | 1431 cd |
| 80% | 1635 cd |

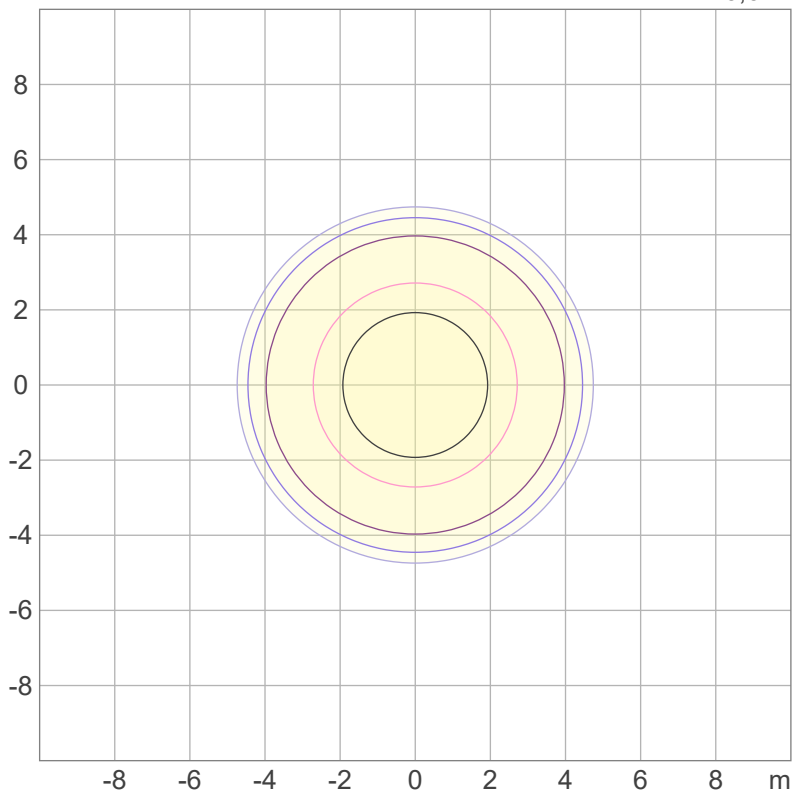
Conditions:

Number of c-planes: 2

Candela at center: 2044 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|----------|
| 3% | 0,613 lx |
| 5% | 1,02 lx |
| 10% | 2,04 lx |
| 30% | 6,13 lx |
| 50% | 10,2 lx |

Conditions:

Number of c-planes: 2

Lux at center: 20,4 lx

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



Total lumen output:

219 lm

Peak candela output:

5374 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

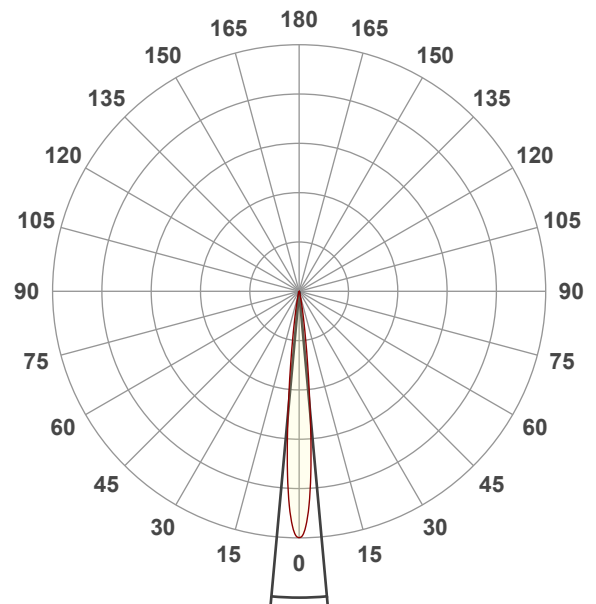
Cyan - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:30:24

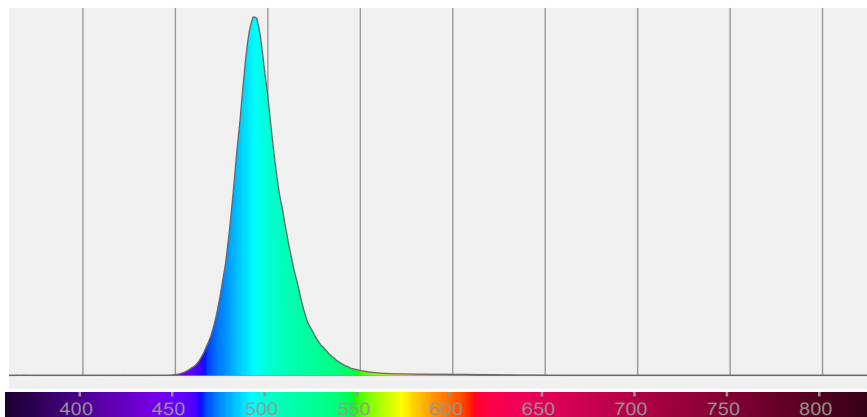


Beam angle 50%: 10,4°

Field angle 10%: 18,9°

Cut off angle 2.5%: 26,5°

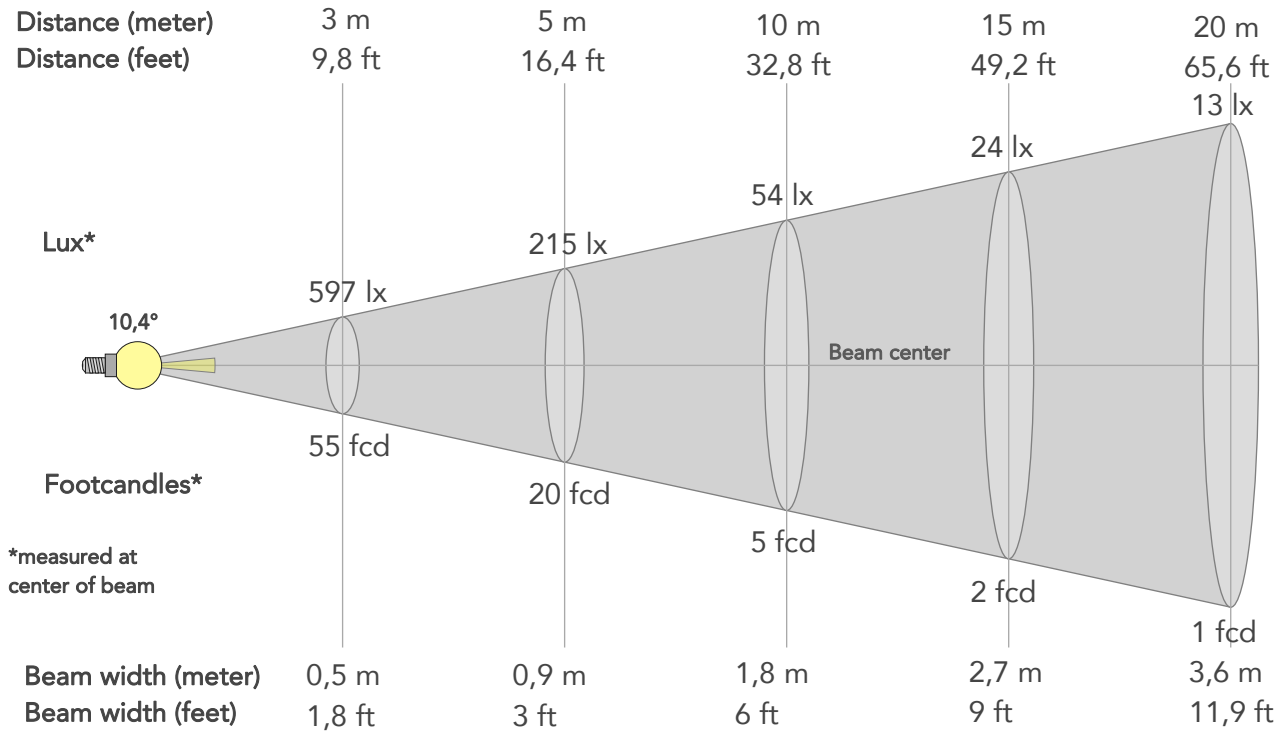
Spectra



BEAM DETAILS



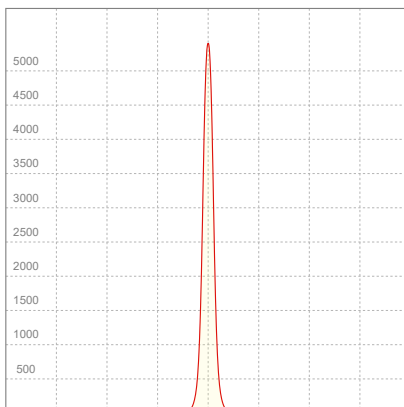
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,4° | 18,9° | 26,5° | 100,0% | 100,0% |



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 | 5374lx | 1344lx | 597lx | 336lx | 215lx | 96lx | 54lx | 24lx | 13lx | 9lx | 6lx | 3lx | 2lx |
| Footcand. | 499fcd | 125fcd | 55fcd | 31fcd | 20fcd | 9fcd | 5fcd | 2fcd | 1fcd | 1fcd | 1fcd | 0fcd | 0fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,4m | 1,8m | 2,7m | 3,6m | 4,5m | 5,5m | 7,3m | 9,1m |
| Beam wid. | 0,6ft | 1,2ft | 1,8ft | 2,4ft | 3ft | 4,5ft | 6ft | 9ft | 11,9ft | 14,9ft | 17,9ft | 23,9ft | 29,8ft |

LINEAR DISTRIBUTION DIAGRAM

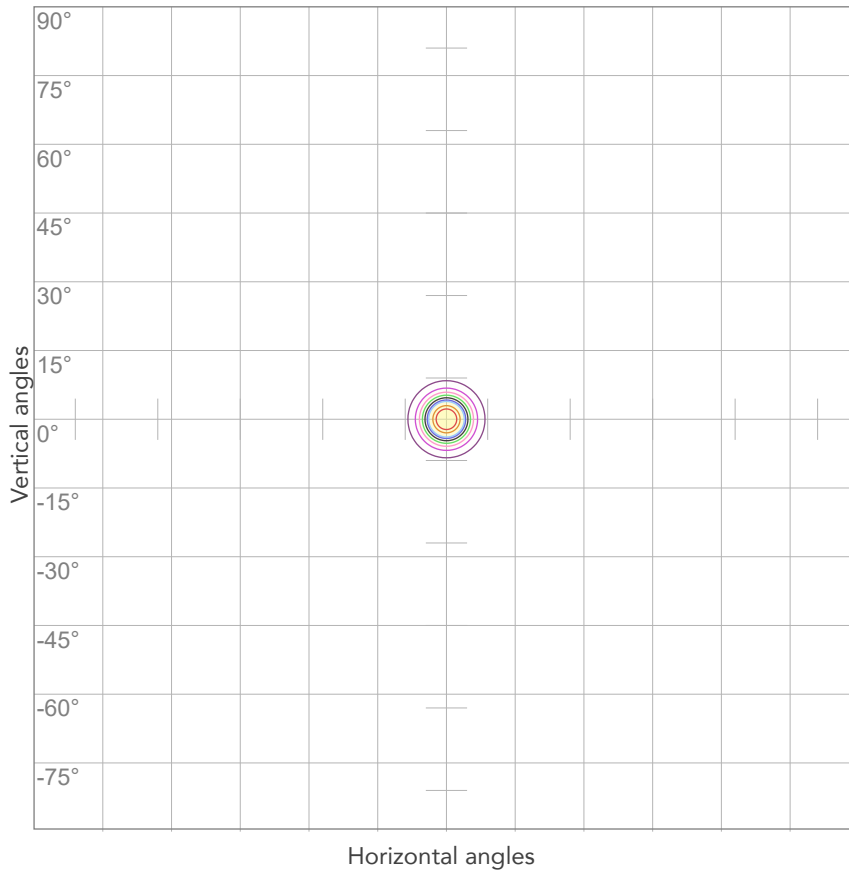


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 225V | 0,392A | 50,5W | 4lm/W |

| Power FC |
|----------|
| 0,57 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 537 cd |
| 20% | 1075 cd |
| 30% | 1612 cd |
| 40% | 2150 cd |
| 50% | 2687 cd |
| 60% | 3225 cd |
| 70% | 3762 cd |
| 80% | 4300 cd |

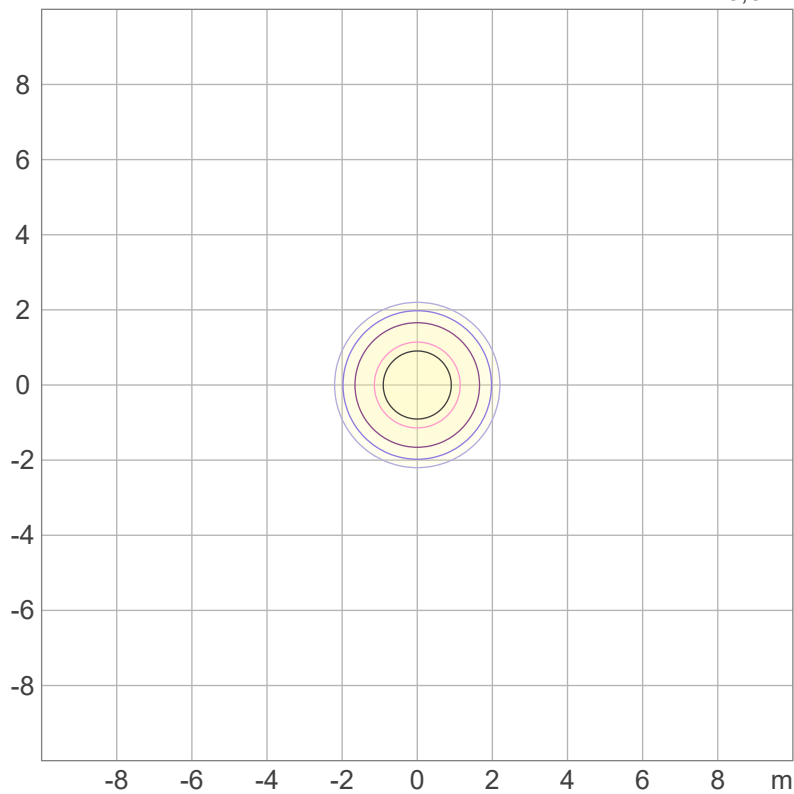
Conditions:

Number of c-planes: 2

Candela at center: 5374 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 1,61 lx |
| 5% | 2,69 lx |
| 10% | 5,37 lx |
| 30% | 16,1 lx |
| 50% | 26,9 lx |

Conditions:

Number of c-planes: 2

Lux at center: 53,7 lx

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



Total lumen output:

8175 lm

Peak candela output:

10742 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

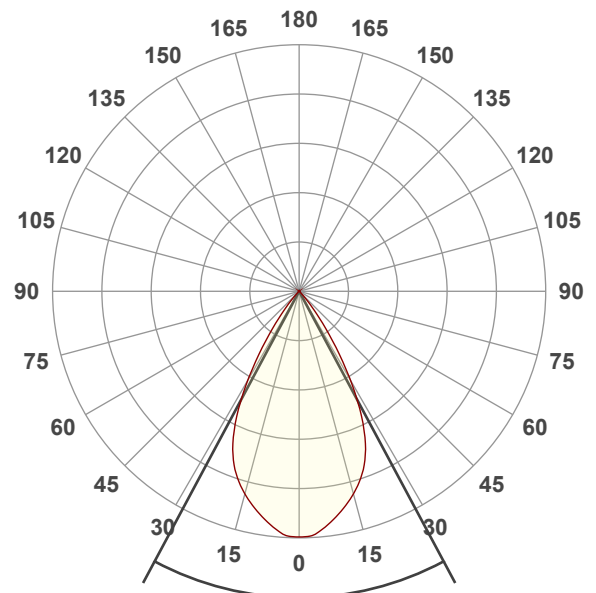
Mint - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:23:17

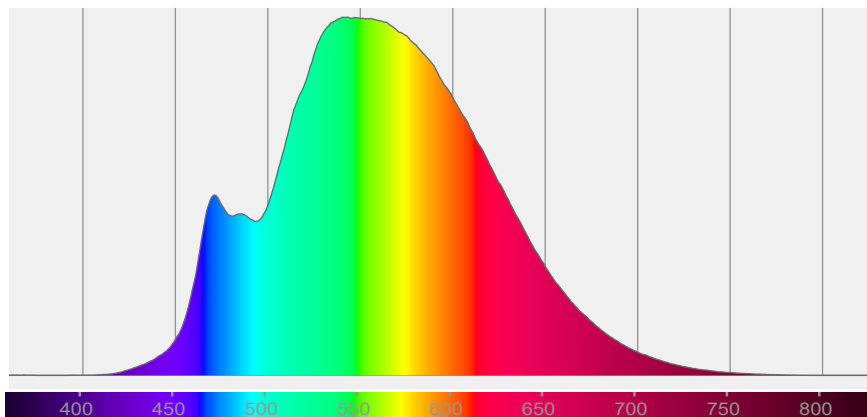


Beam angle 50%: 56,3°

Field angle 10%: 77°

Cut off angle 2.5%: 86,9°

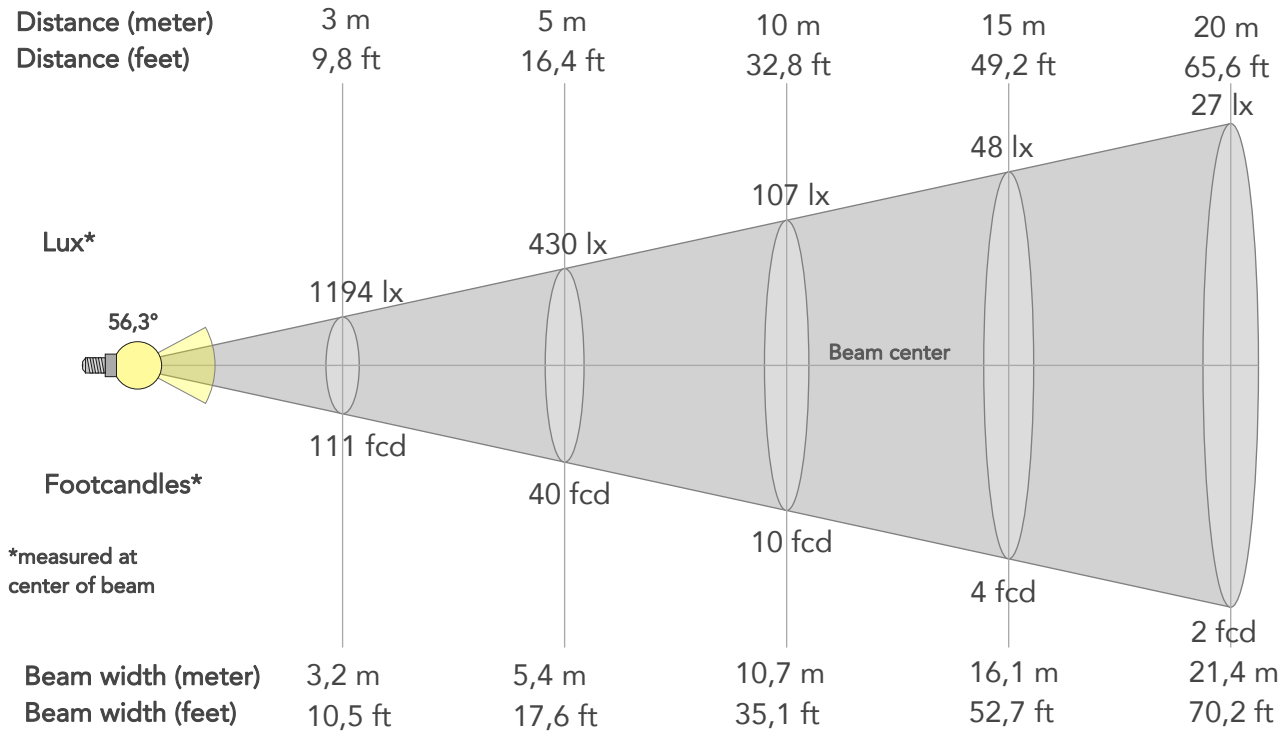
Spectra



BEAM DETAILS



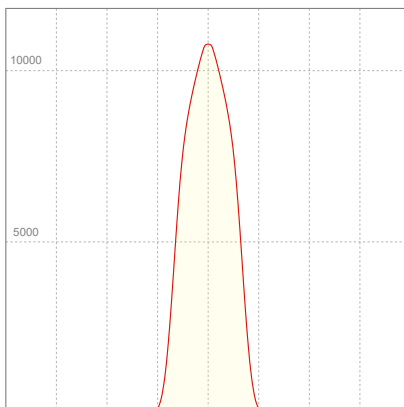
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,3° | 77° | 86,9° | 100,0% | 99,5% |



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 | 10742lx | 2686lx | 1194lx | 671lx | 430lx | 191lx | 107lx | 48lx | 27lx | 17lx | 12lx | 7lx | 4lx |
| Footcand. | 998fcd | 249fcd | 111fcd | 62fcd | 40fcd | 18fcd | 10fcd | 4fcd | 2fcd | 2fcd | 1fcd | 1fcd | 0fcd |
| Beam wid. | 1,1m | 2,1m | 3,2m | 4,3m | 5,4m | 8m | 10,7m | 16,1m | 21,4m | 26,8m | 32,1m | 42,8m | 53,5m |
| Beam wid. | 3,5ft | 7,1ft | 10,5ft | 14ft | 17,6ft | 26,3ft | 35,1ft | 52,7ft | 70,2ft | 87,8ft | 105,3ft | 140,4ft | 175,5ft |

LINEAR DISTRIBUTION DIAGRAM

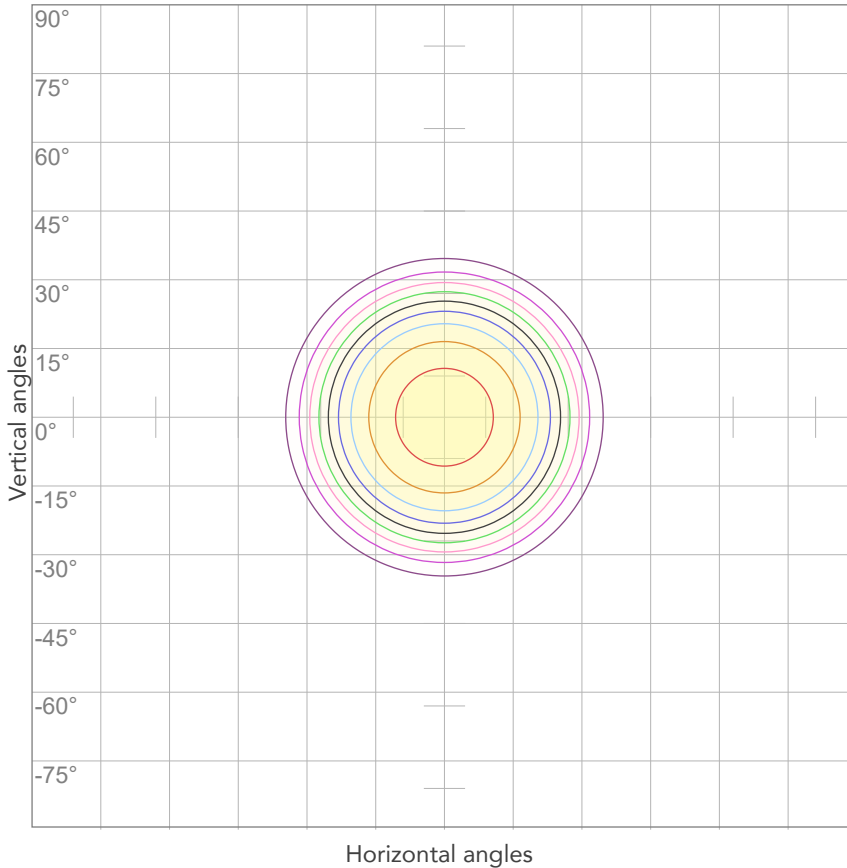


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 224V | 0,944A | 207,6W | 39lm/W |

| |
|----------|
| Power FC |
| 0,98 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 1074 cd |
| 20% | 2148 cd |
| 30% | 3223 cd |
| 40% | 4297 cd |
| 50% | 5371 cd |
| 60% | 6445 cd |
| 70% | 7520 cd |
| 80% | 8594 cd |

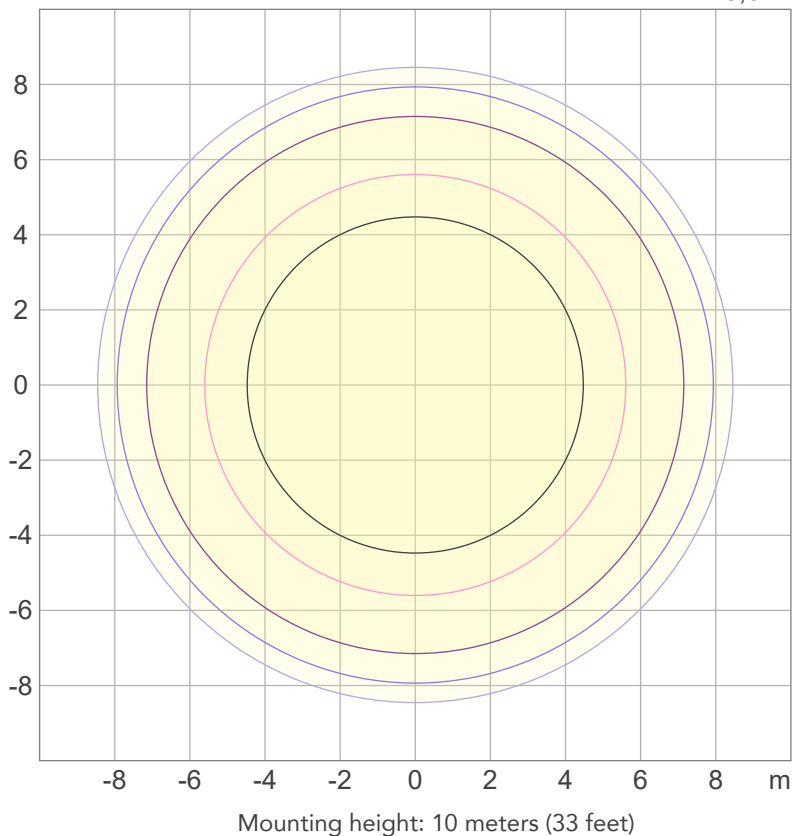
Conditions:

Number of c-planes: 2

Candela at center: 10742 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 3,22 lx |
| 5% | 5,37 lx |
| 10% | 10,7 lx |
| 30% | 32,2 lx |
| 50% | 53,7 lx |

Conditions:

Number of c-planes: 2

Lux at center: 107 lx

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



Total lumen output:

6594 lm

Peak candela output:

35061 cd

PRODUCT NAME:
ECLFRCTPLIP

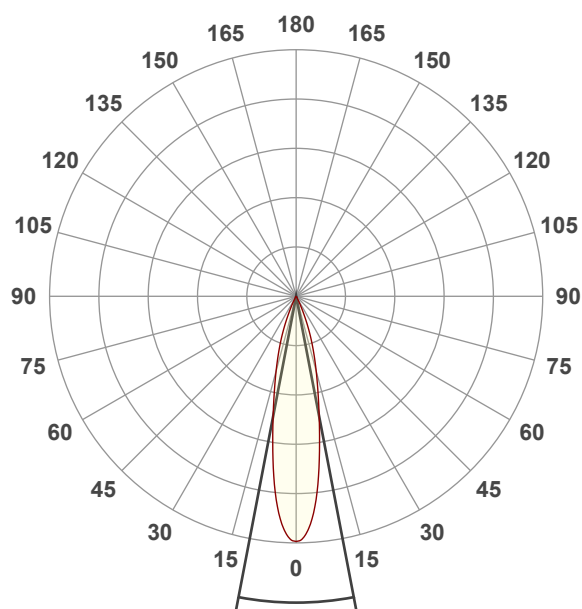
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Mint - HQ

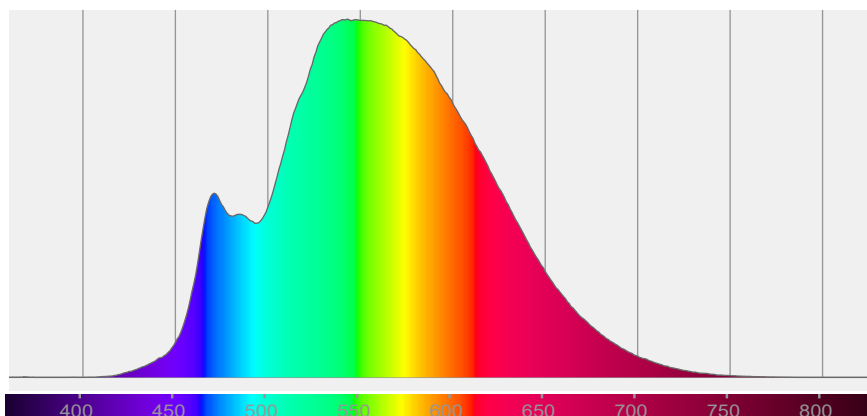
Operator:
Salvatore Giglio

Date and time:
21/09/2023 13:22:35



Beam angle 50%: 21,7°
Field angle 10%: 44,9°
Cut off angle 2.5%: 54,1°

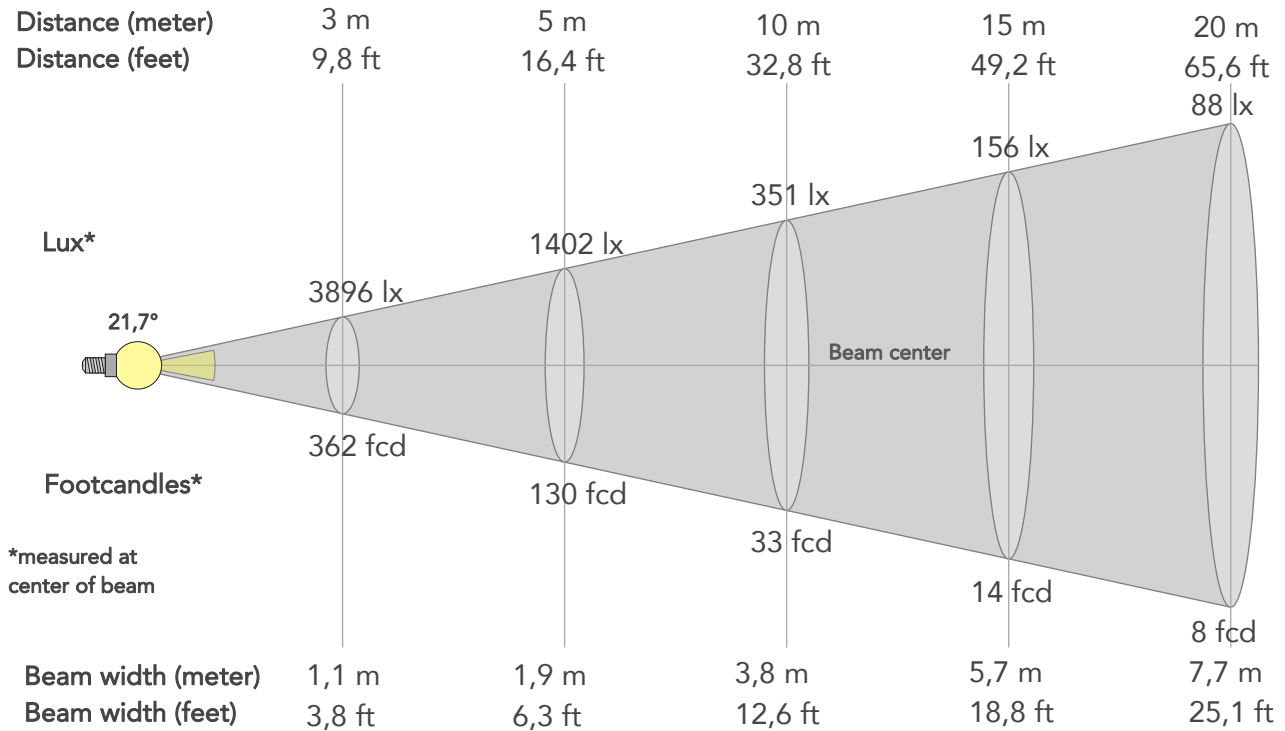
Spectra



BEAM DETAILS



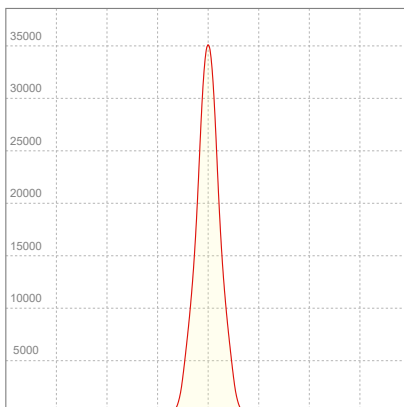
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,7° | 44,9° | 54,1° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 35061lx | 8765lx | 3896lx | 2191lx | 1402lx | 623lx | 351lx | 156lx | 88lx | 56lx | 39lx | 22lx | 14lx |
| Footcand. | 3257fcd | 814fcd | 362fcd | 204fcd | 130fcd | 58fcd | 33fcd | 14fcd | 8fcd | 5fcd | 4fcd | 2fcd | 1fcd |
| Beam wid. | 0,4m | 0,8m | 1,1m | 1,5m | 1,9m | 2,9m | 3,8m | 5,7m | 7,7m | 9,6m | 11,5m | 15,3m | 19,2m |
| Beam wid. | 1,3ft | 2,5ft | 3,8ft | 5ft | 6,3ft | 9,4ft | 12,6ft | 18,8ft | 25,1ft | 31,4ft | 37,7ft | 50,3ft | 62,8ft |

LINEAR DISTRIBUTION DIAGRAM

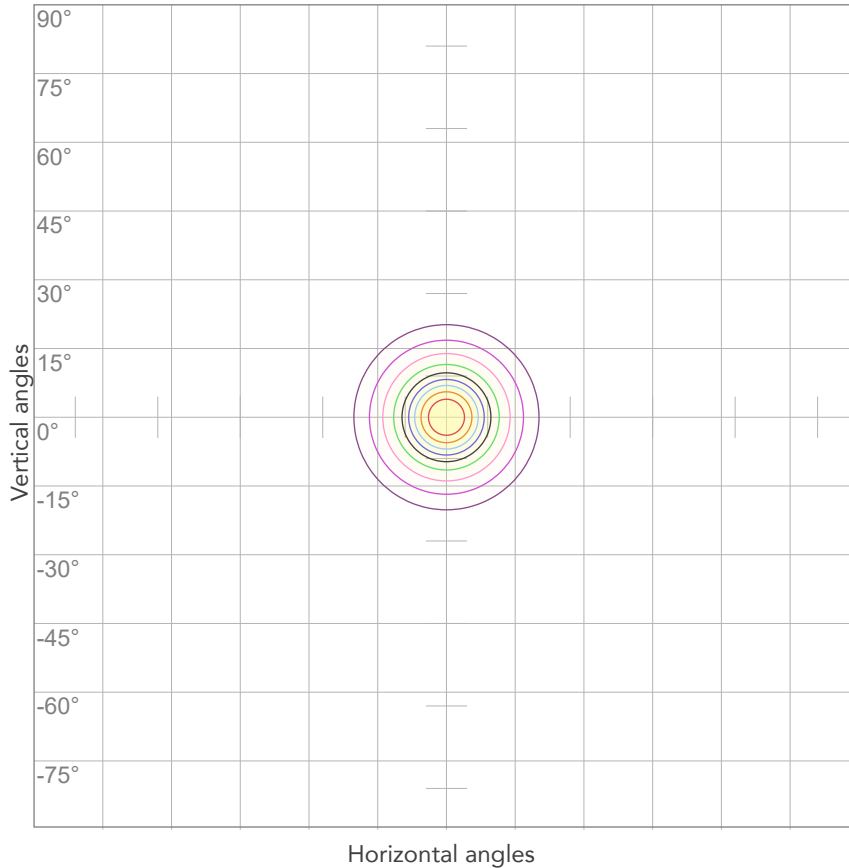


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 227V | 0,935A | 207,6W | 32lm/W |

| |
|----------|
| Power FC |
| 0,98 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 3506 cd |
| 20% | 7012 cd |
| 30% | 10518 cd |
| 40% | 14025 cd |
| 50% | 17531 cd |
| 60% | 21037 cd |
| 70% | 24543 cd |
| 80% | 28049 cd |

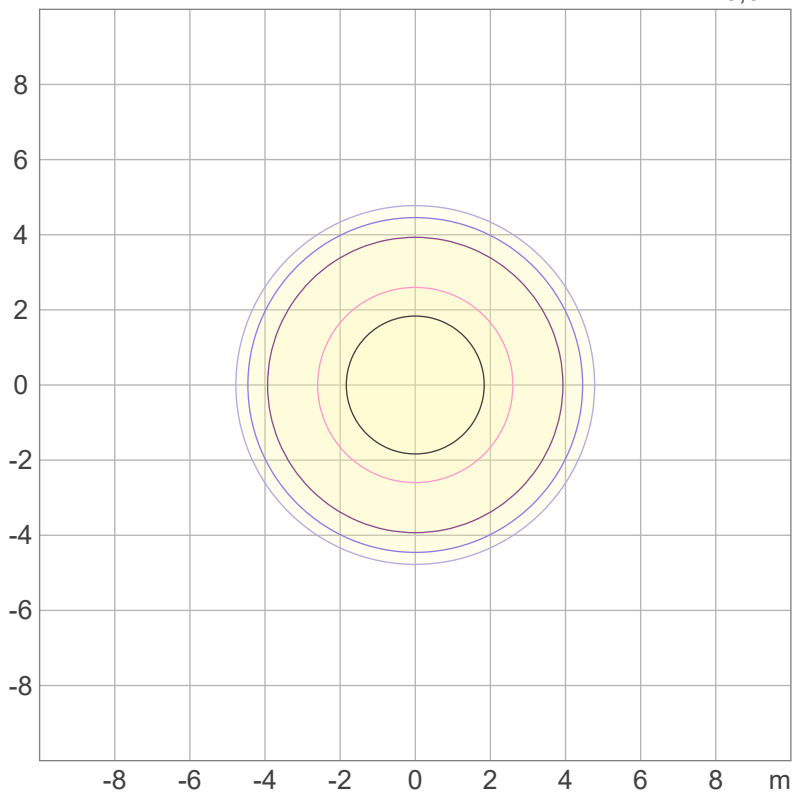
Conditions:

Number of c-planes: 2

Candela at center: 35061 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 10,5 lx |
| 5% | 17,5 lx |
| 10% | 35,1 lx |
| 30% | 105 lx |
| 50% | 175 lx |

Conditions:

Number of c-planes: 2

Lux at center: 351 lx

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



Total lumen output:

3756 lm

Peak candela output:

91504 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

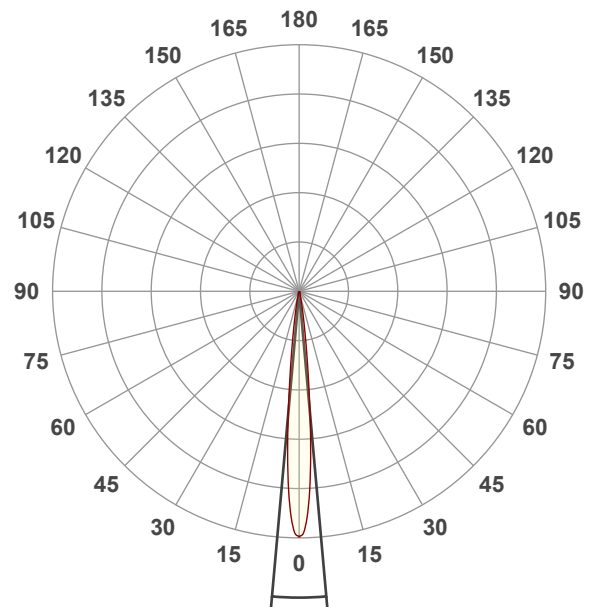
Mint - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:23:08

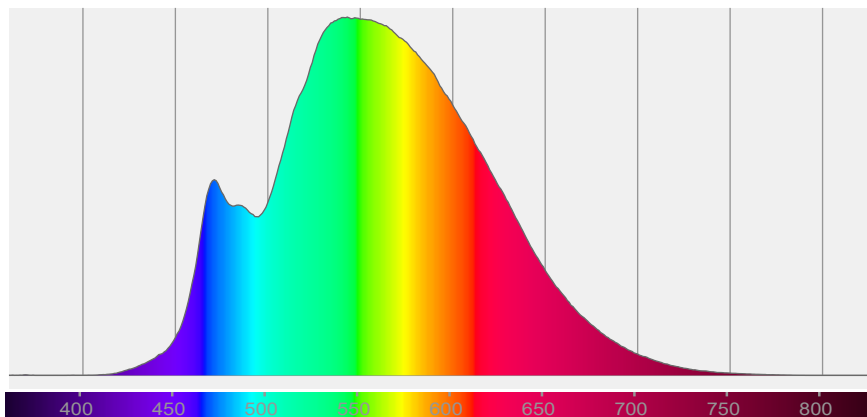


Beam angle 50%: 10,2°

Field angle 10%: 19°

Cut off angle 2.5%: 27,2°

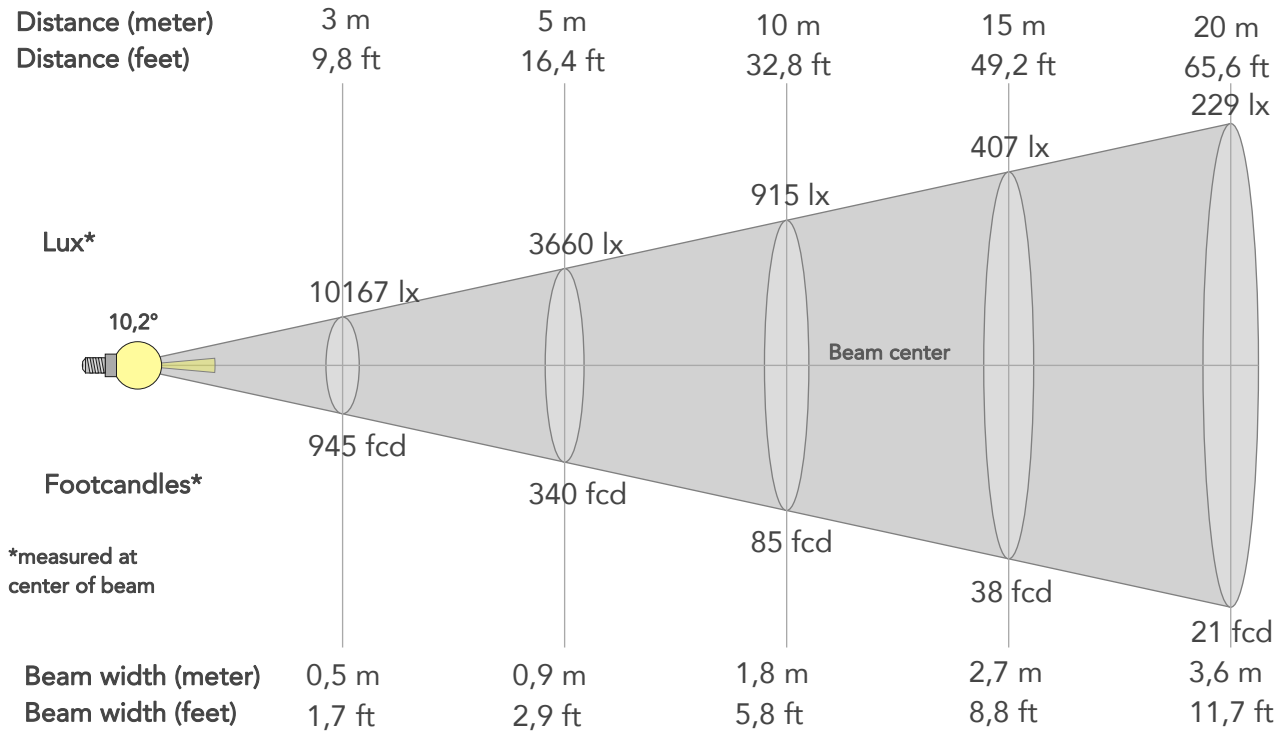
Spectra



BEAM DETAILS



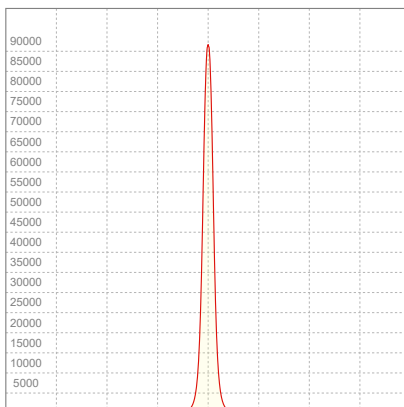
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,2° | 19° | 27,2° | 100,0% | 100,0% |



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 | 91504lx | 22876lx | 10167lx | 5719lx | 3660lx | 1627lx | 915lx | 407lx | 229lx | 146lx | 102lx | 57lx | 37lx |
| Footcand. | 8501fcd | 2125fcd | 945fcd | 531fcd | 340fcd | 151fcd | 85fcd | 38fcd | 21fcd | 14fcd | 9fcd | 5fcd | 3fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,7m | 3,6m | 4,5m | 5,3m | 7,1m | 8,9m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,4ft | 5,8ft | 8,8ft | 11,7ft | 14,6ft | 17,5ft | 23,4ft | 29,2ft |

LINEAR DISTRIBUTION DIAGRAM

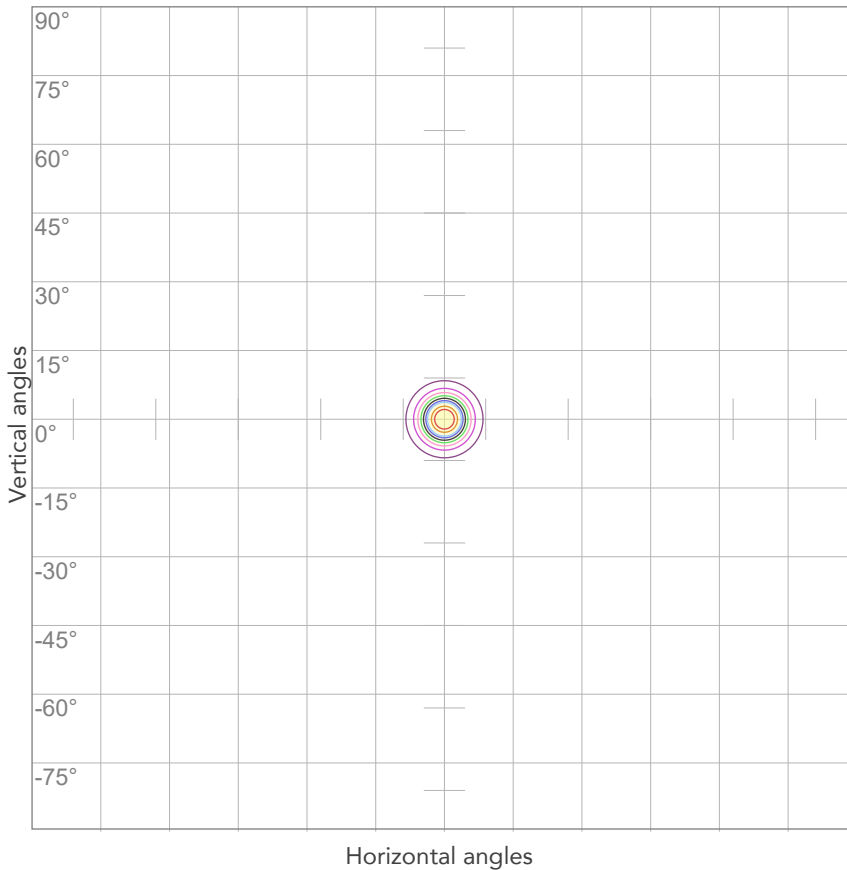


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 224V | 0,953A | 208,7W | 18lm/W |

| Power FC |
|----------|
| 0,98 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 9150 cd |
| 20% | 18301 cd |
| 30% | 27451 cd |
| 40% | 36602 cd |
| 50% | 45752 cd |
| 60% | 54902 cd |
| 70% | 64053 cd |
| 80% | 73203 cd |

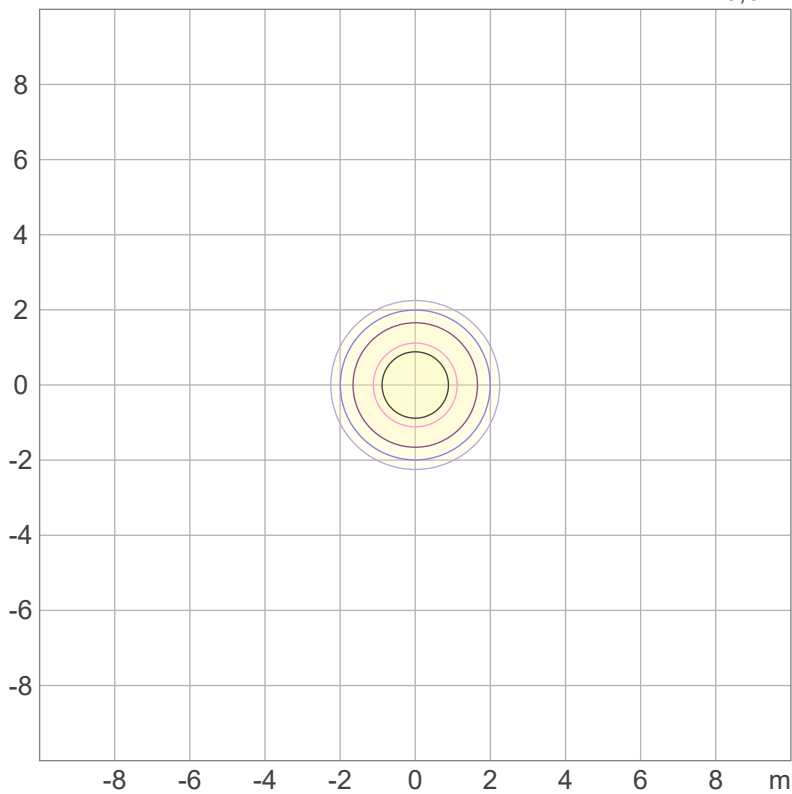
Conditions:

Number of c-planes: 2

Candela at center: 91504 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 27,5 lx |
| 5% | 45,8 lx |
| 10% | 91,5 lx |
| 30% | 275 lx |
| 50% | 458 lx |

Conditions:

Number of c-planes: 2

Lux at center: 915 lx

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



Total lumen output:

3248 lm

Peak candela output:

4389 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

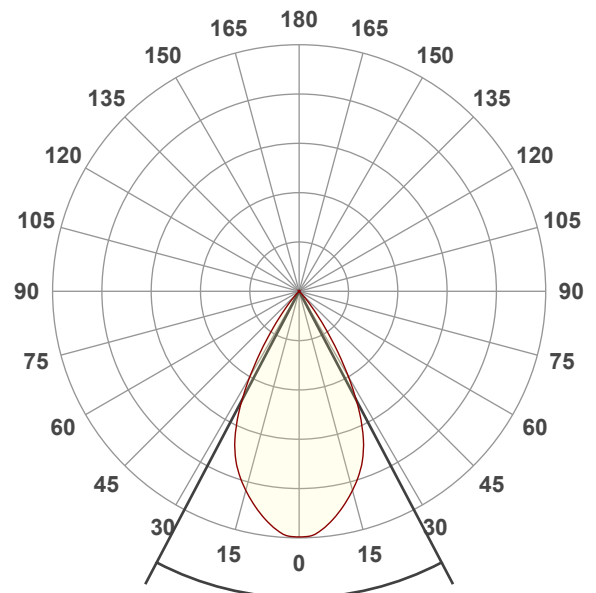
Amber - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:24:45

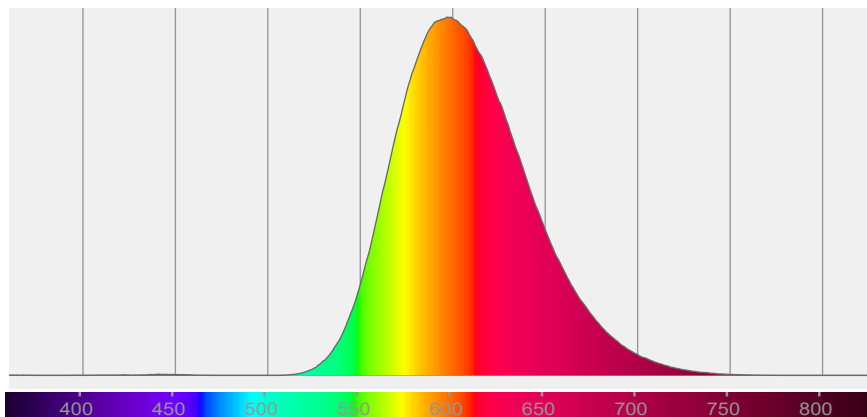


Beam angle 50%: 55,4°

Field angle 10%: 76,6°

Cut off angle 2.5%: 86,4°

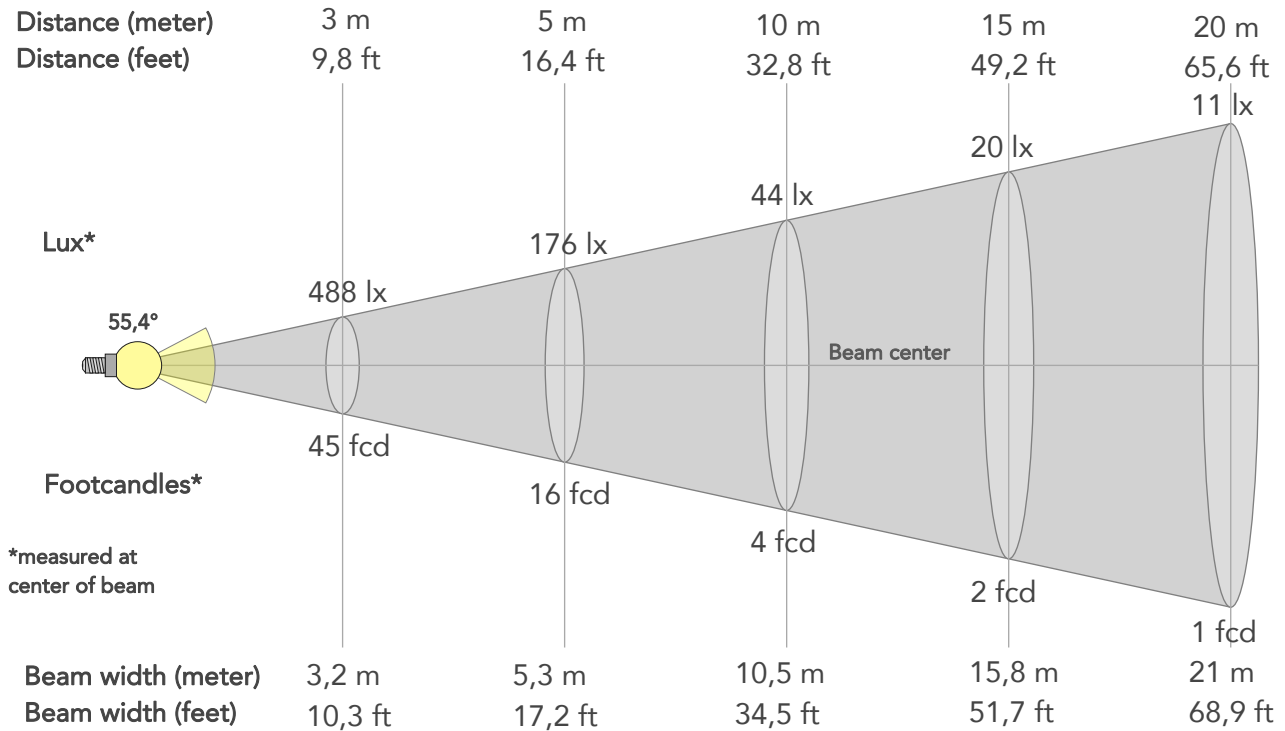
Spectra



BEAM DETAILS



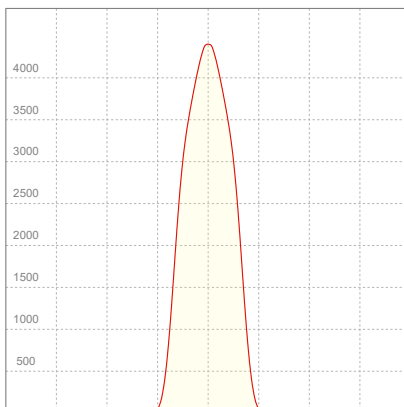
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 55,4° | 76,6° | 86,4° | 100,0% | 99,5% |



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 | 4389lx | 1097lx | 488lx | 274lx | 176lx | 78lx | 44lx | 20lx | 11lx | 7lx | 5lx | 3lx | 2lx |
| Footcand. | 408fcd | 102fcd | 45fcd | 25fcd | 16fcd | 7fcd | 4fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 1,1m | 2,1m | 3,2m | 4,2m | 5,3m | 7,9m | 10,5m | 15,8m | 21m | 26,3m | 31,5m | 42m | 52,5m |
| Beam wid. | 3,5ft | 6,9ft | 10,3ft | 13,8ft | 17,2ft | 25,8ft | 34,5ft | 51,7ft | 68,9ft | 86,2ft | 103,4ft | 137,9ft | 172,3ft |

LINEAR DISTRIBUTION DIAGRAM

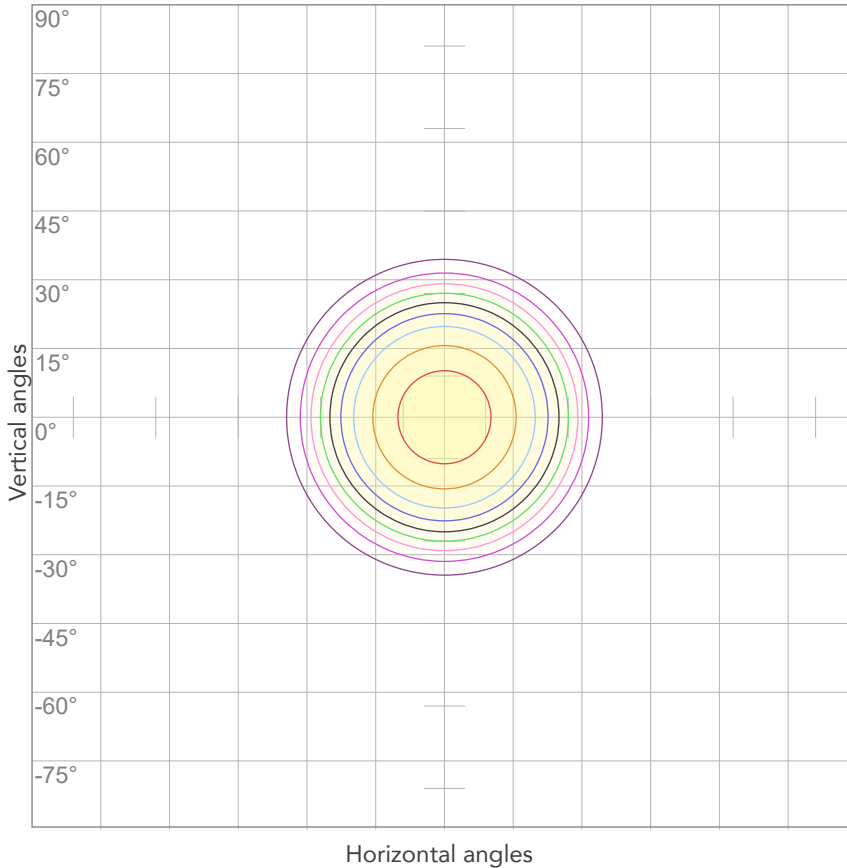


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 227V | 0,734A | 158,8W | 20lm/W |

| |
|----------|
| Power FC |
| 0,95 |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 439 cd |
| 20% | 878 cd |
| 30% | 1317 cd |
| 40% | 1755 cd |
| 50% | 2194 cd |
| 60% | 2633 cd |
| 70% | 3072 cd |
| 80% | 3511 cd |

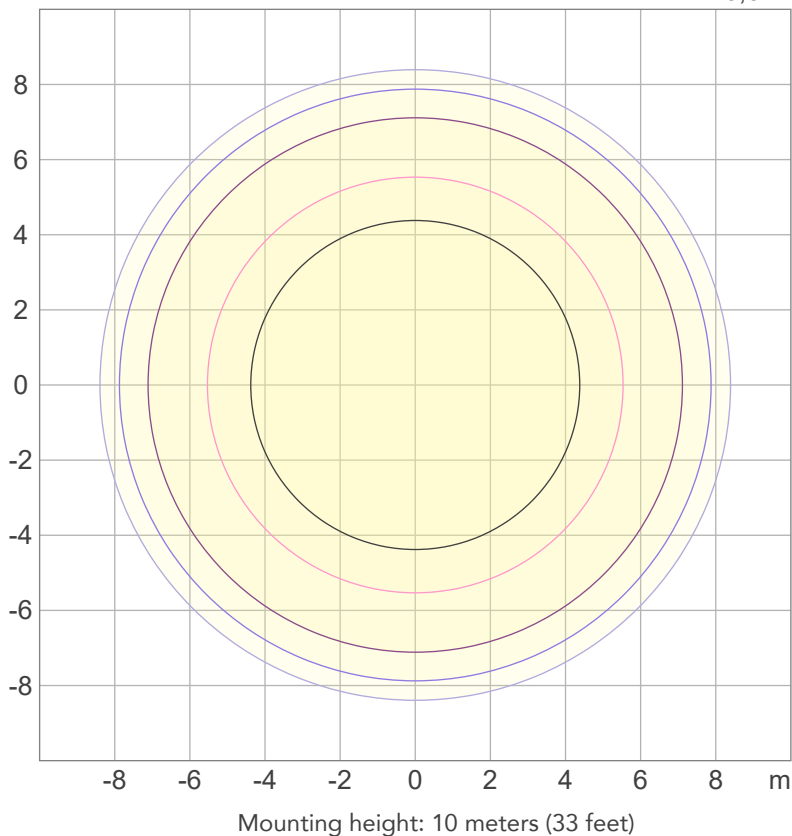
Conditions:

Number of c-planes: 2

Candela at center: 4389 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 1,32 lx |
| 5% | 2,19 lx |
| 10% | 4,39 lx |
| 30% | 13,2 lx |
| 50% | 21,9 lx |

Conditions:

Number of c-planes: 2

Lux at center: 43,9 lx

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



Total lumen output:

2632 lm

Peak candela output:

14238 cd

PRODUCT NAME:
ECLFRCTPLIP

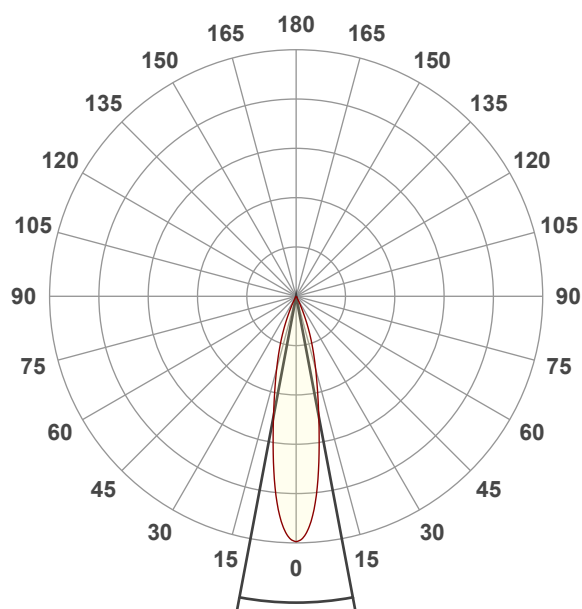
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Amber - HQ

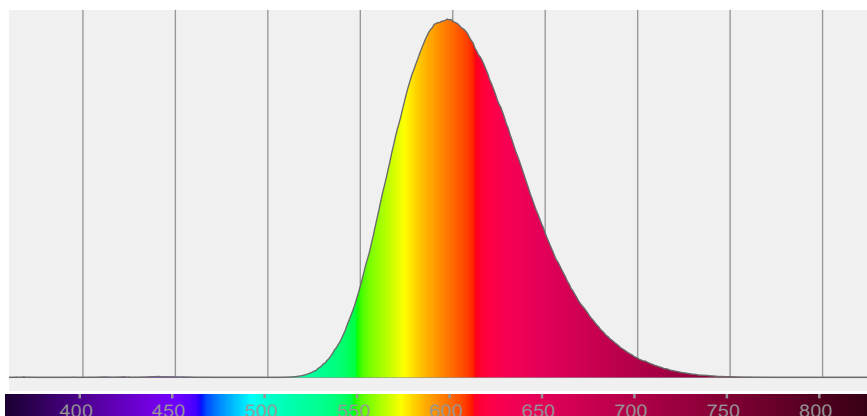
Operator:
Salvatore Giglio

Date and time:
21/09/2023 13:24:11



Beam angle 50%: 21,3°
Field angle 10%: 44,7°
Cut off angle 2.5%: 54°

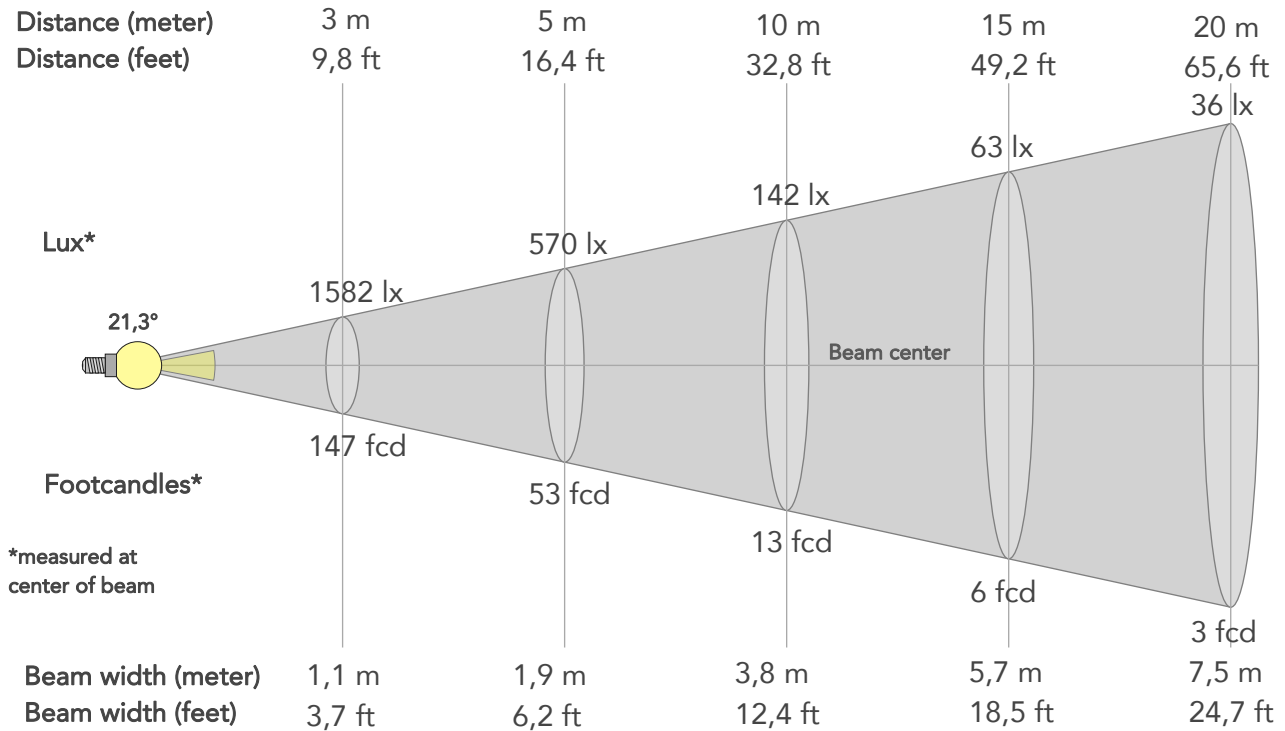
Spectra



BEAM DETAILS



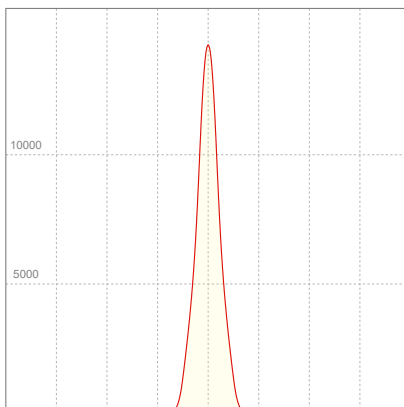
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,3° | 44,7° | 54° | 100,0% | 99,9% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 14238lx | 3560lx | 1582lx | 890lx | 570lx | 253lx | 142lx | 63lx | 36lx | 23lx | 16lx | 9lx | 6lx |
| Footcand. | 1323fcd | 331fcd | 147fcd | 83fcd | 53fcd | 24fcd | 13fcd | 6fcd | 3fcd | 2fcd | 1fcd | 1fcd | 1fcd |
| Beam wid. | 0,4m | 0,8m | 1,1m | 1,5m | 1,9m | 2,8m | 3,8m | 5,7m | 7,5m | 9,4m | 11,3m | 15,1m | 18,8m |
| Beam wid. | 1,2ft | 2,5ft | 3,7ft | 4,9ft | 6,2ft | 9,3ft | 12,4ft | 18,5ft | 24,7ft | 30,9ft | 37,1ft | 49,4ft | 61,8ft |

LINEAR DISTRIBUTION DIAGRAM

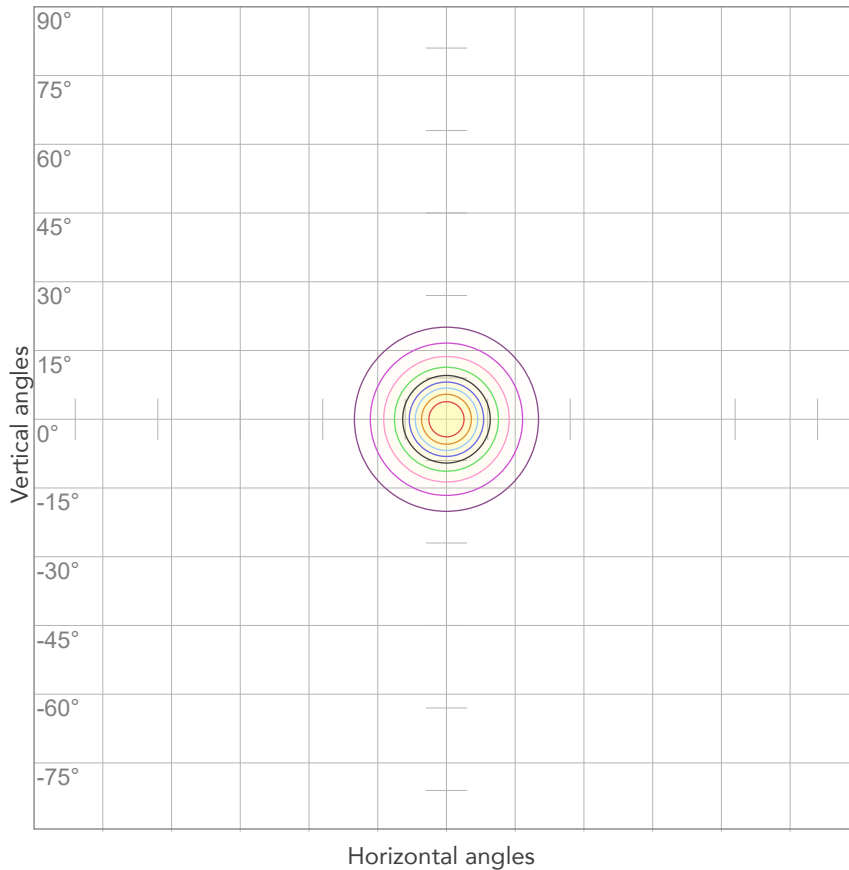


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 228V | 0,733A | 159W | 17lm/W |

| |
|----------|
| Power FC |
| 0,95 |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 1424 cd |
| 20% | 2848 cd |
| 30% | 4272 cd |
| 40% | 5695 cd |
| 50% | 7119 cd |
| 60% | 8543 cd |
| 70% | 9967 cd |
| 80% | 11391 cd |

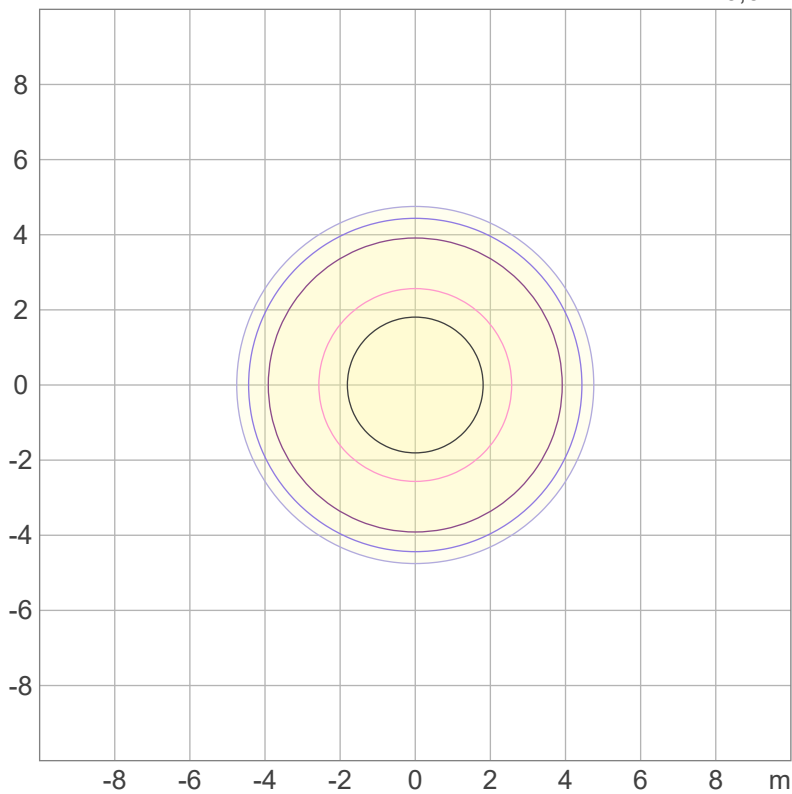
Conditions:

Number of c-planes: 2

Candela at center: 14238 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 4,27 lx |
| 5% | 7,12 lx |
| 10% | 14,2 lx |
| 30% | 42,7 lx |
| 50% | 71,2 lx |

Conditions:

Number of c-planes: 2

Lux at center: 142 lx

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



Total lumen output:

1442 lm

Peak candela output:

37073 cd

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

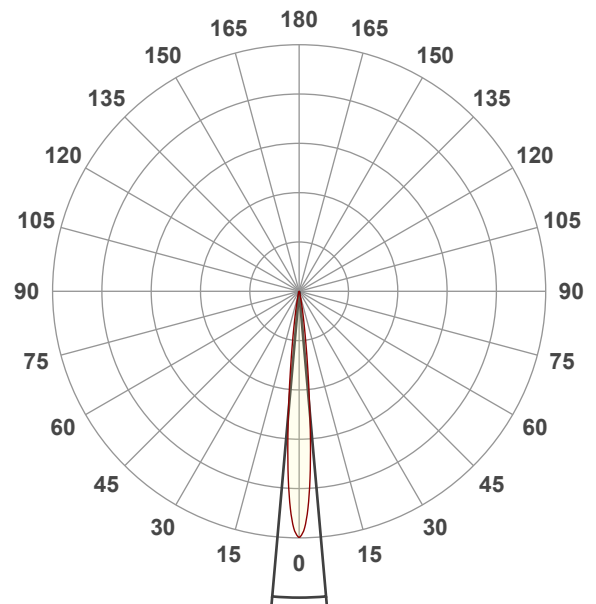
Amber - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:21:34

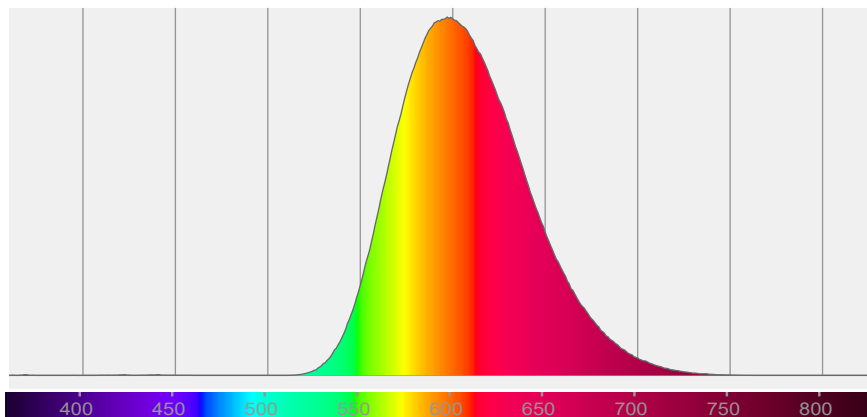


Beam angle 50%: 10,1°

Field angle 10%: 18,7°

Cut off angle 2.5%: 26,4°

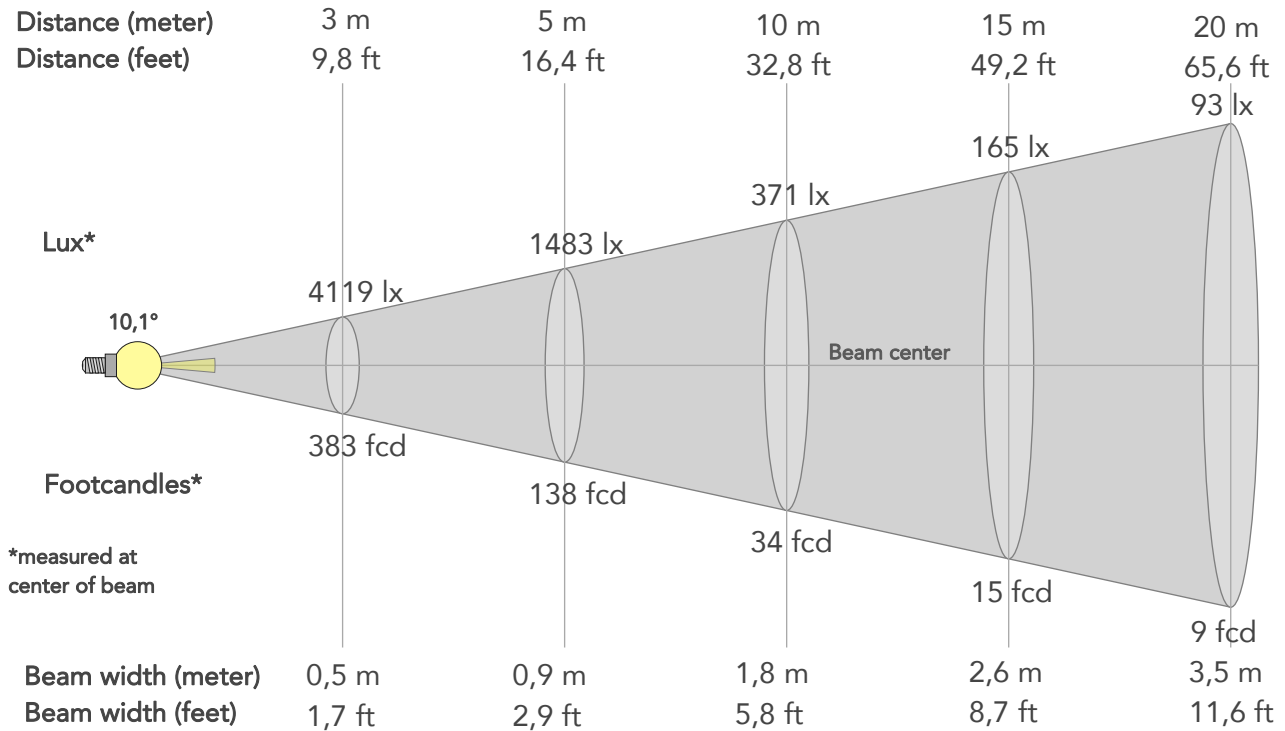
Spectra



BEAM DETAILS



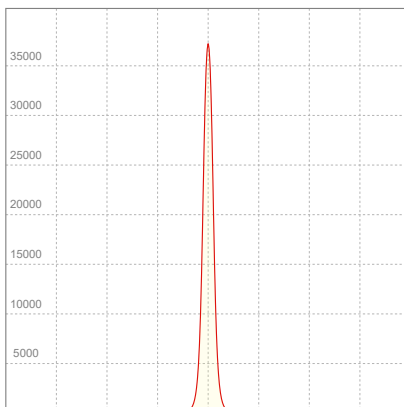
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,1° | 18,7° | 26,4° | 100,0% | 100,0% |



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 | 37073lx | 9268lx | 4119lx | 2317lx | 1483lx | 659lx | 371lx | 165lx | 93lx | 59lx | 41lx | 23lx | 15lx |
| Footcand. | 3444fcd | 861fcd | 383fcd | 215fcd | 138fcd | 61fcd | 34fcd | 15fcd | 9fcd | 6fcd | 4fcd | 2fcd | 1fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,6m | 3,5m | 4,4m | 5,3m | 7,1m | 8,8m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,3ft | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 17,4ft | 23,1ft | 28,9ft |

LINEAR DISTRIBUTION DIAGRAM

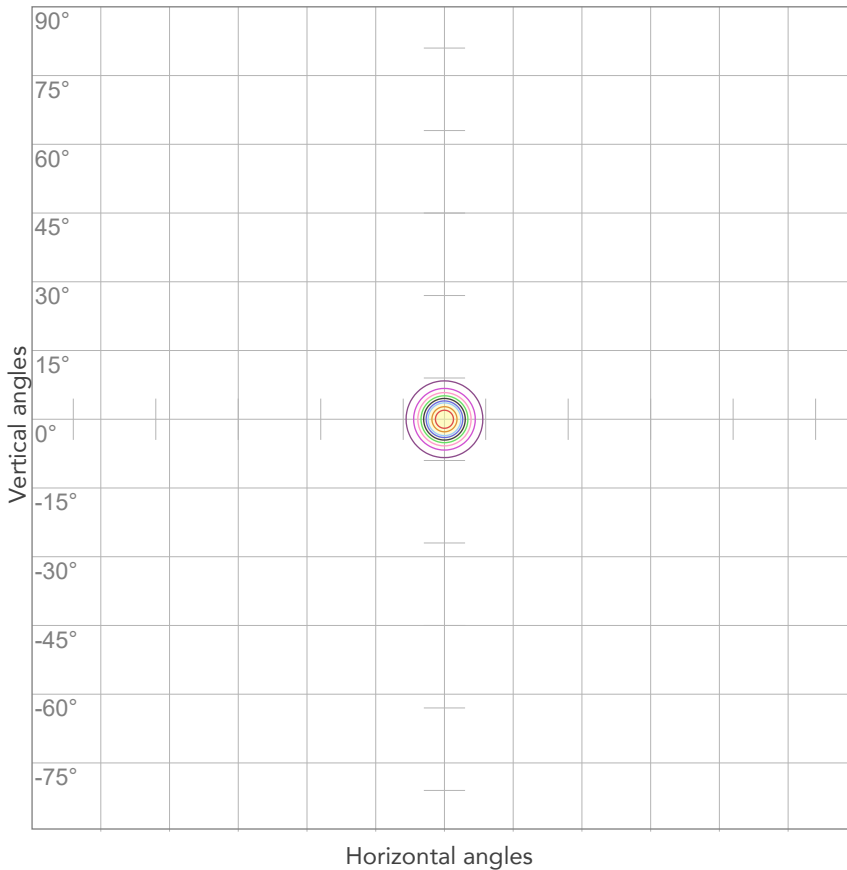


ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 225V | 0,743A | 159,7W | 9lm/W |

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

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 3707 cd |
| 20% | 7415 cd |
| 30% | 11122 cd |
| 40% | 14829 cd |
| 50% | 18537 cd |
| 60% | 22244 cd |
| 70% | 25951 cd |
| 80% | 29659 cd |

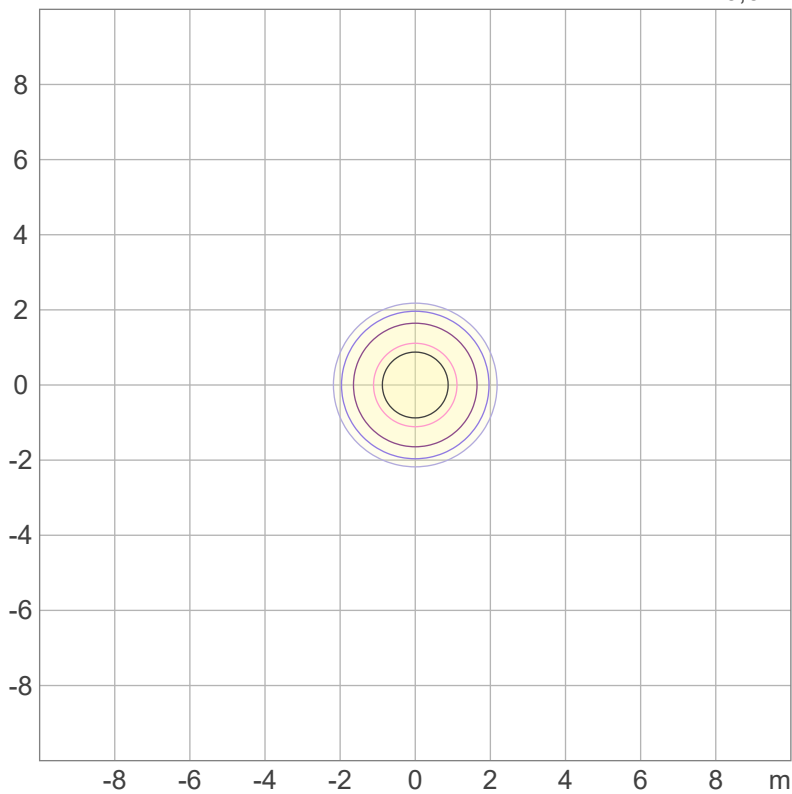
Conditions:

Number of c-planes: 2

Candela at center: 37073 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 11,1 lx |
| 5% | 18,5 lx |
| 10% | 37,1 lx |
| 30% | 111 lx |
| 50% | 185 lx |

Conditions:

Number of c-planes: 2

Lux at center: 371 lx

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



Total lumen output:

10456 lm

Peak candela output:

13871 cd

Light quality:

CRI: 97,1

Color temperature:

2816 K

PRODUCT NAME:
ECLFRCTPLIP

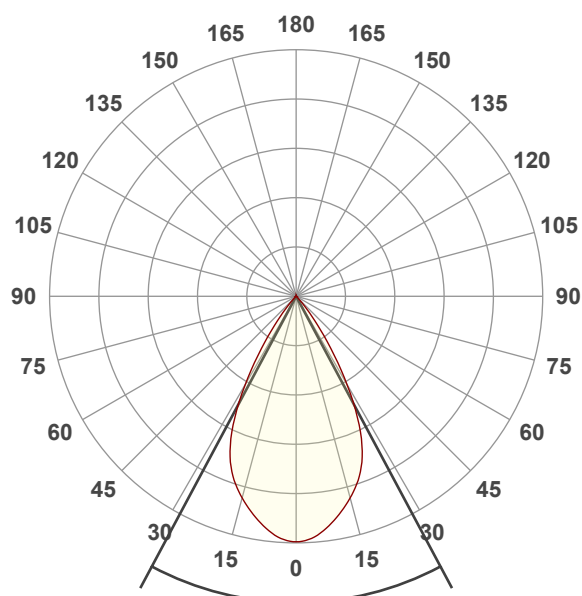
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
2800K - HQ

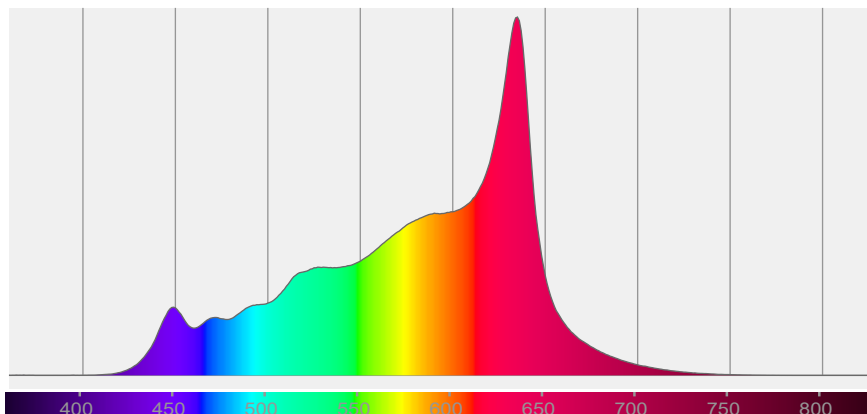
Operator:
Salvatore Giglio

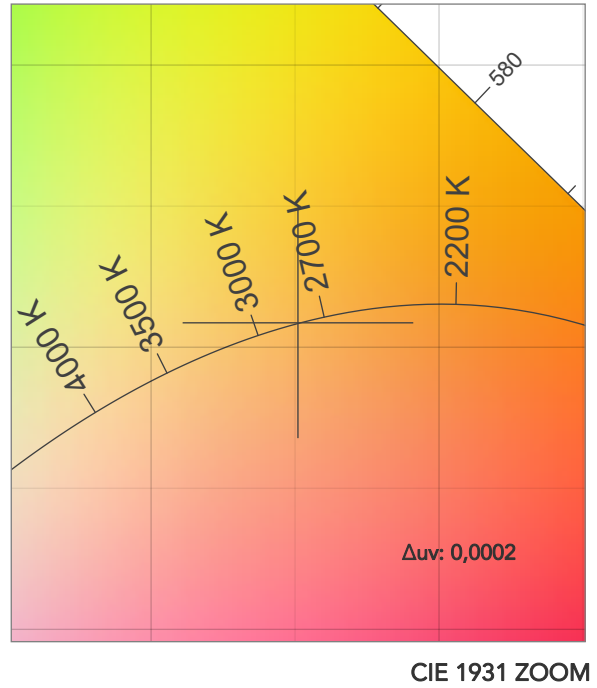
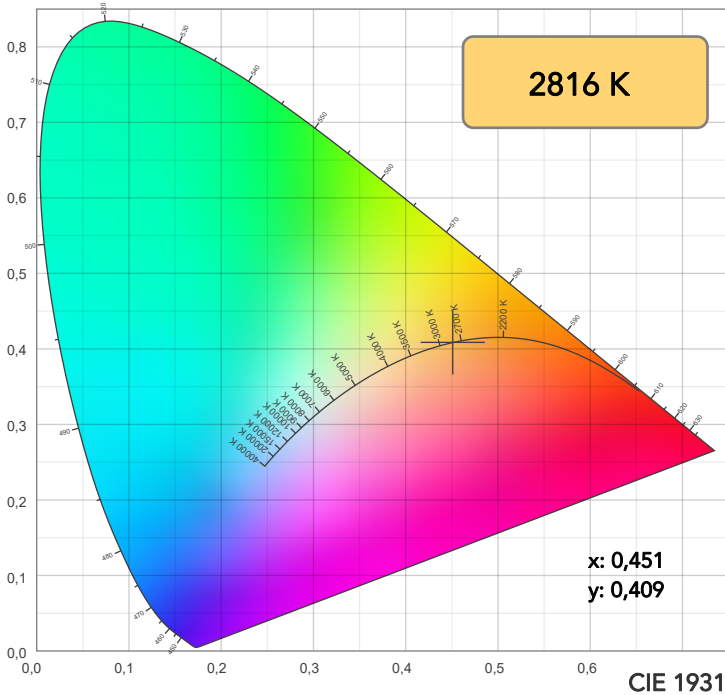
Date and time:
21/09/2023 14:35:42



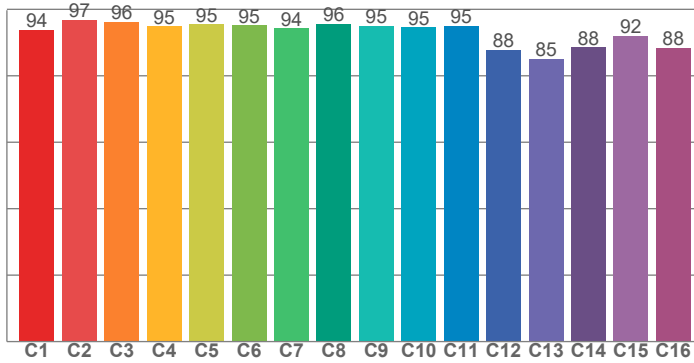
Beam angle 50%: 56,2°
Field angle 10%: 77°
Cut off angle 2.5%: 86°

Spectra

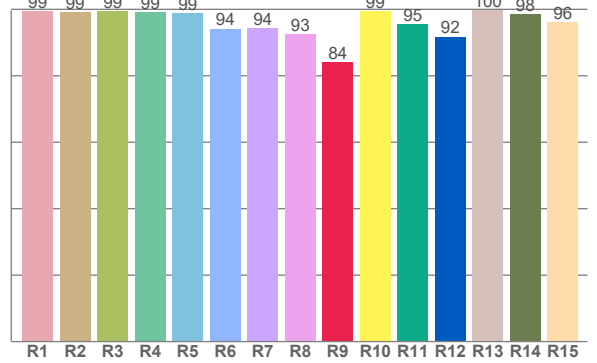




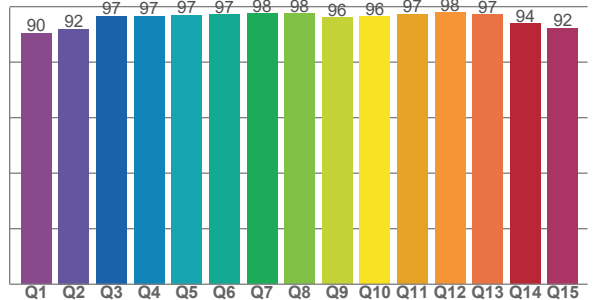
TM30: 93,5



CRI: 97,1 (R1-R8)



CQS: 94,8



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99,4 | 99,2 | 99,3 | 99,1 | 98,9 | 94,2 | 94,4 | 92,5 | 84,1 | 99,4 | 95,4 | 91,7 | 99,7 | 98,5 | 96,1 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,8 | 96,8 | 96,2 | 94,8 | 95,5 | 95,2 | 94,2 | 95,6 | 95,0 | 94,5 | 95,1 | 87,9 | 85,1 | 88,5 | 92,0 | 88,4 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 90,4 | 91,9 | 96,7 | 96,7 | 97,0 | 97,1 | 97,5 | 97,5 | 96,0 | 96,4 | 97,2 | 97,8 | 97,1 | 94,0 | 92,2 |

COLOR PARAMETERS

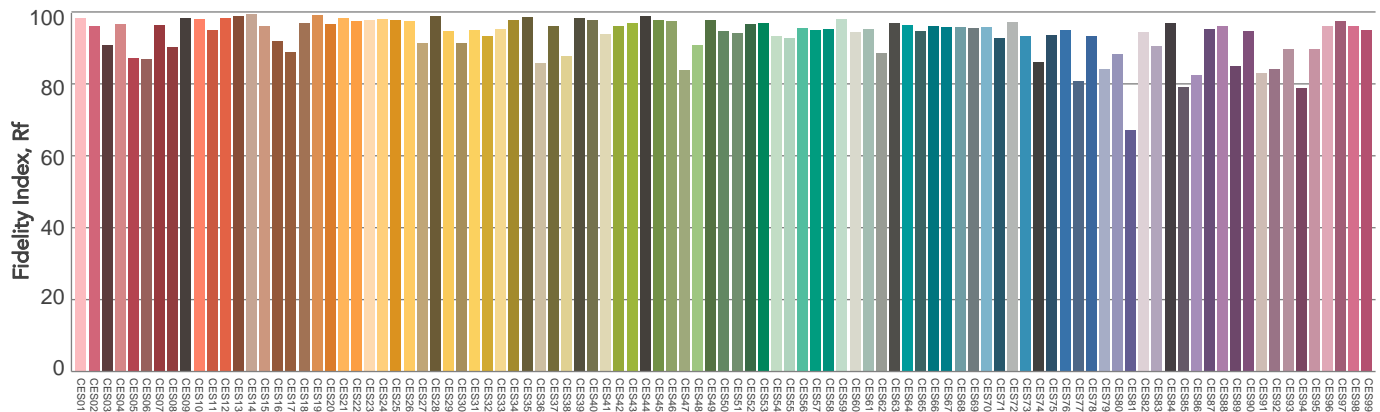
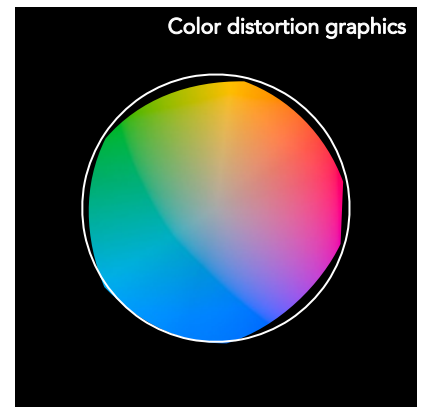
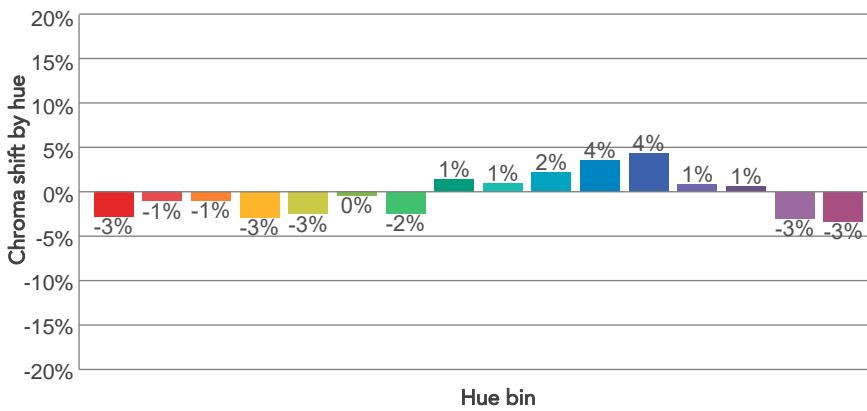
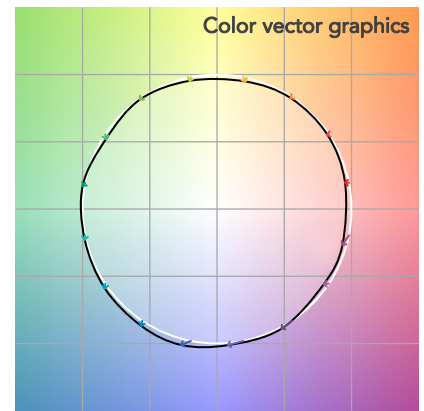
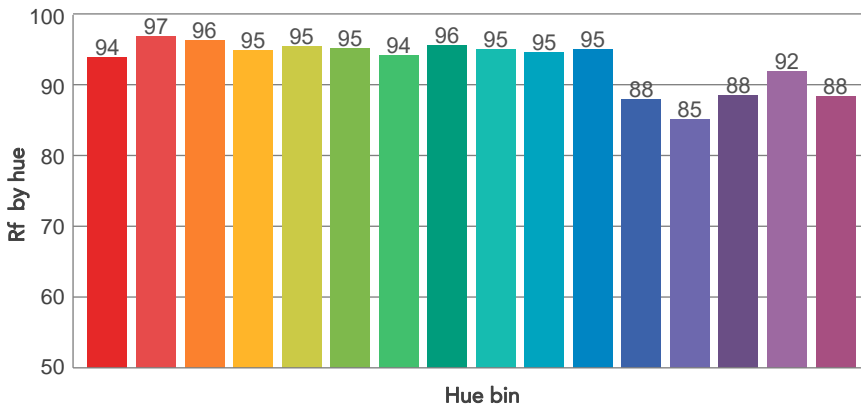
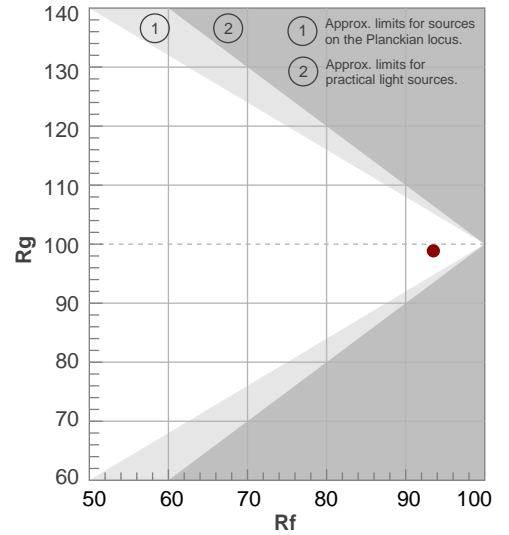
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 2816 K | 97,1 | 84,1 | 93,5 | 98,9 | 94,8 | 86 | 0,451 | 0,409 | 0,0002 |

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 98,9
Gammut index

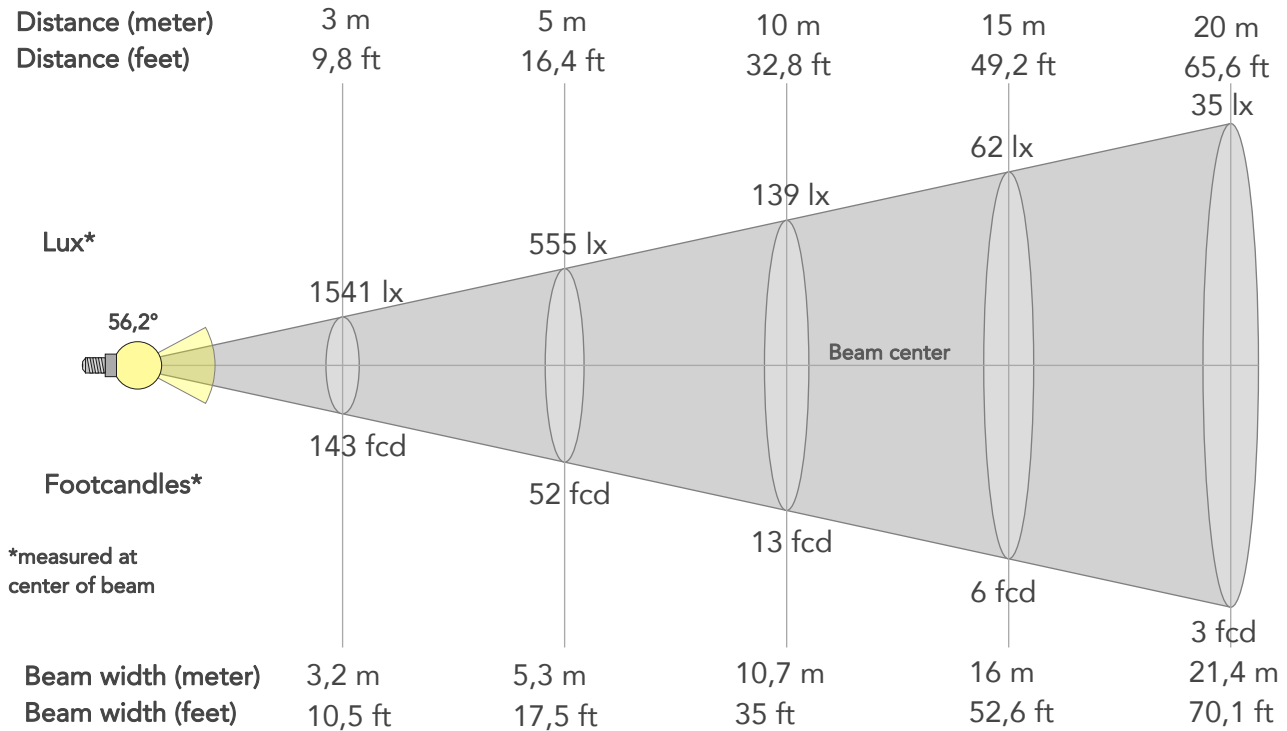
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 94 | -3% | 1% |
| 2 | 97 | -1% | 0% |
| 3 | 96 | -1% | 0% |
| 4 | 95 | -3% | -2% |
| 5 | 95 | -3% | 1% |
| 6 | 95 | 0% | 2% |
| 7 | 94 | -2% | 3% |
| 8 | 96 | 1% | 3% |
| 9 | 95 | 1% | 3% |
| 10 | 95 | 2% | 3% |
| 11 | 95 | 4% | 1% |
| 12 | 88 | 4% | -6% |
| 13 | 85 | 1% | -12% |
| 14 | 88 | 1% | -10% |
| 15 | 92 | -3% | -2% |
| 16 | 88 | -3% | -8% |



BEAM DETAILS



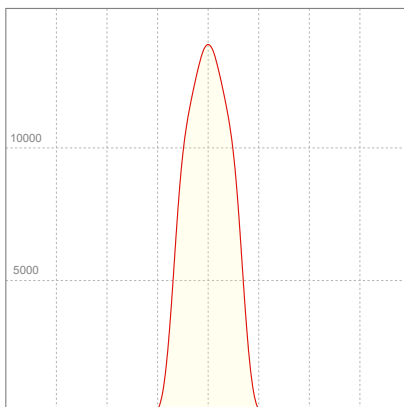
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,2° | 77° | 86° | 100,0% | 99,7% |



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 | 13871lx | 3468lx | 1541lx | 867lx | 555lx | 247lx | 139lx | 62lx | 35lx | 22lx | 15lx | 9lx | 6lx |
| Footcand. | 1289fcd | 322fcd | 143fcd | 81fcd | 52fcd | 23fcd | 13fcd | 6fcd | 3fcd | 2fcd | 1fcd | 1fcd | 1fcd |
| Beam wid. | 1,1m | 2,1m | 3,2m | 4,3m | 5,3m | 8m | 10,7m | 16m | 21,4m | 26,7m | 32m | 42,7m | 53,4m |
| Beam wid. | 3,5ft | 7,1ft | 10,5ft | 14ft | 17,5ft | 26,3ft | 35ft | 52,6ft | 70,1ft | 87,6ft | 105,1ft | 140,1ft | 175,2ft |

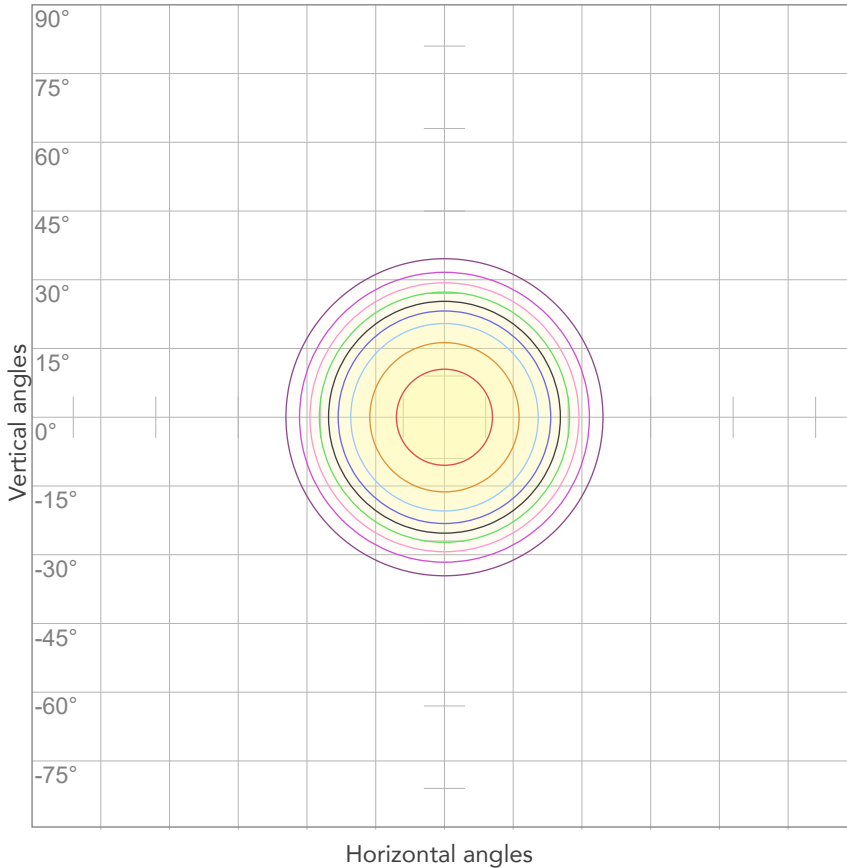
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 227V | 1,82A | 411,3W | 25lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 1387 cd |
| 20% | 2774 cd |
| 30% | 4161 cd |
| 40% | 5548 cd |
| 50% | 6935 cd |
| 60% | 8323 cd |
| 70% | 9710 cd |
| 80% | 11097 cd |

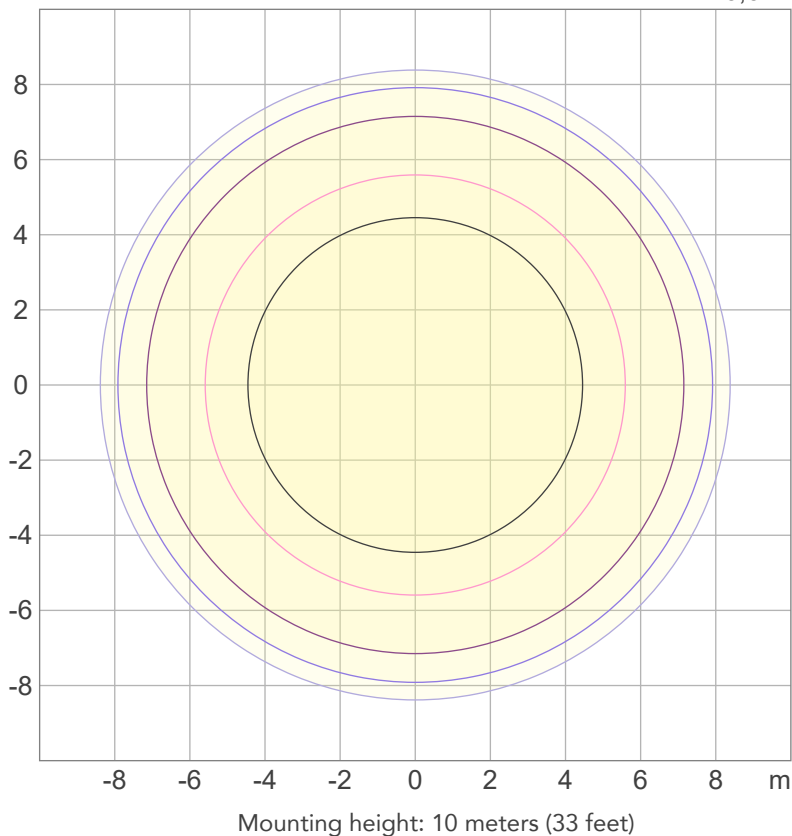
Conditions:

Number of c-planes: 2

Candela at center: 13871 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 4,16 lx |
| 5% | 6,94 lx |
| 10% | 13,9 lx |
| 30% | 41,6 lx |
| 50% | 69,4 lx |

Conditions:

Number of c-planes: 2

Lux at center: 139 lx

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



Total lumen output:

8290 lm

Peak candela output:

44920 cd

Light quality:

CRI: 97,1

Color temperature:

2812 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

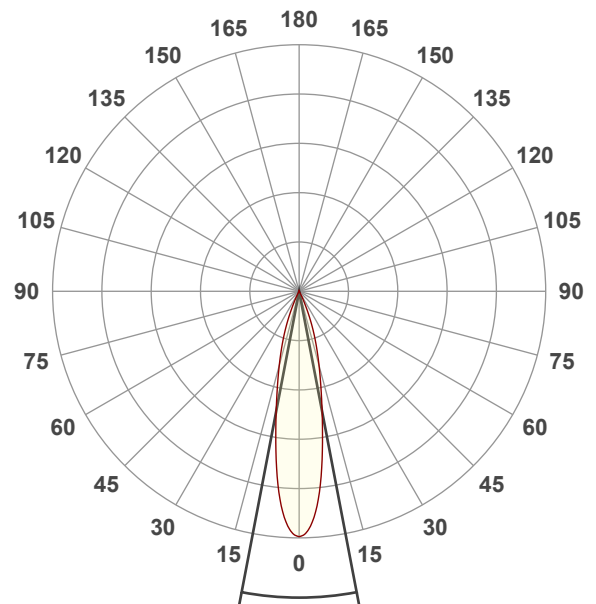
2800K - HQ

Operator:

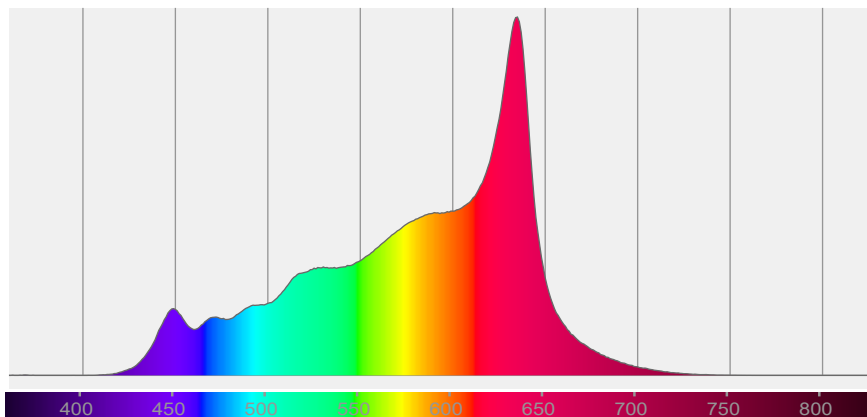
Salvatore Giglio

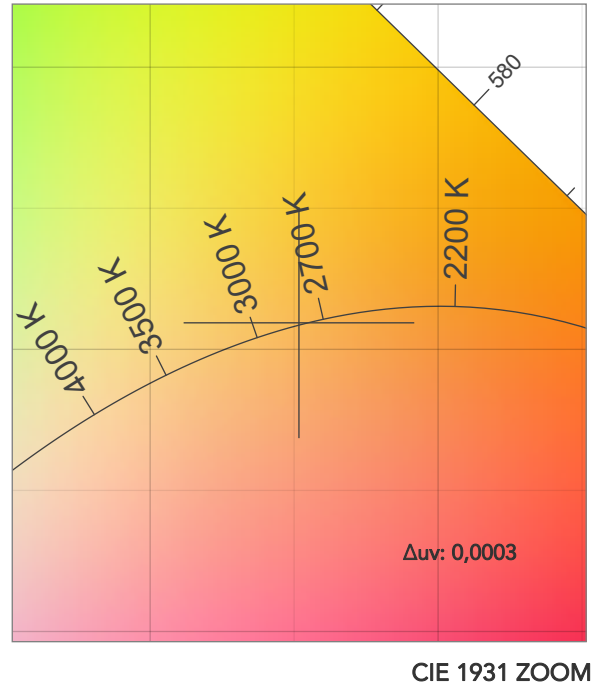
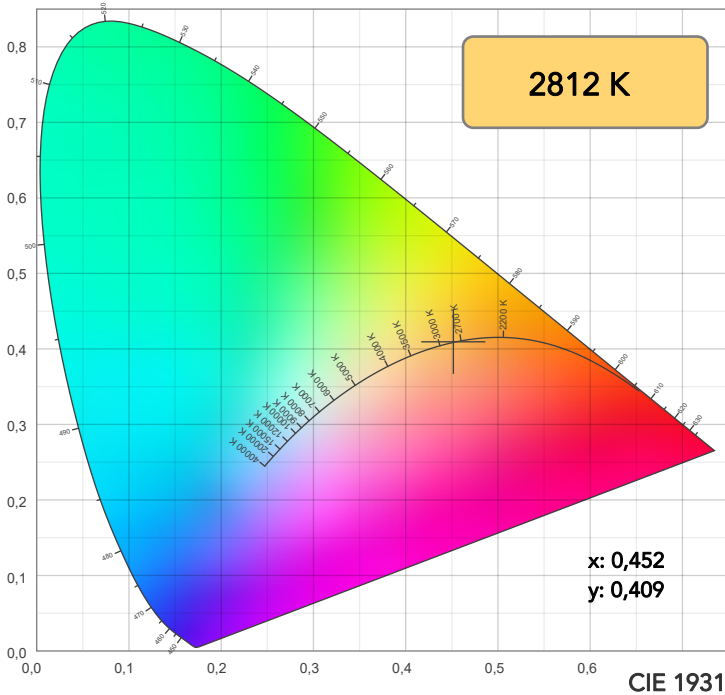
Date and time:

21/09/2023 13:33:21

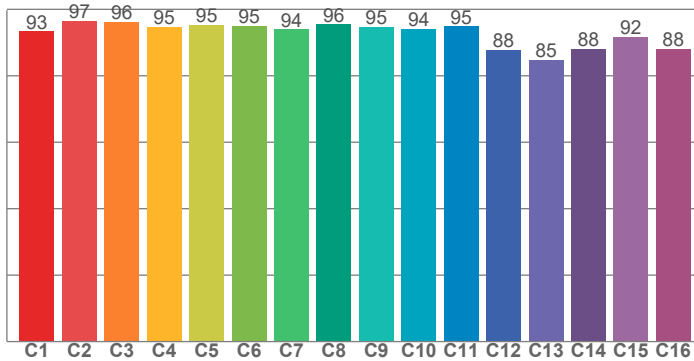


Spectra

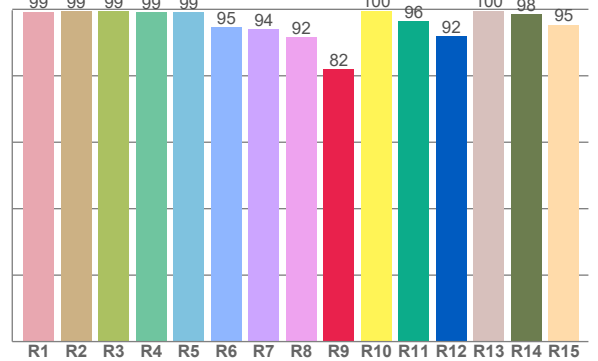




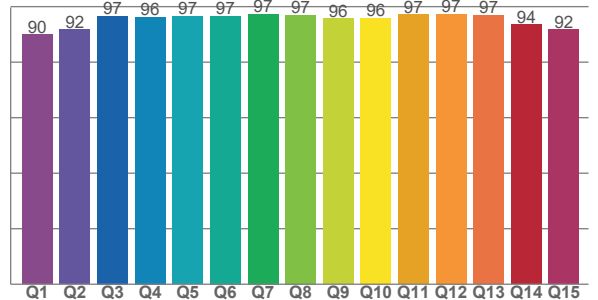
TM30: 93,3



CRI: 97,1 (R1-R8)



CQS: 94,5



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99,3 | 99,5 | 99,4 | 99,2 | 99,1 | 94,6 | 94,1 | 91,6 | 82,0 | 99,6 | 96,3 | 91,8 | 99,6 | 98,5 | 95,4 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,4 | 96,5 | 96,3 | 94,7 | 95,4 | 95,0 | 93,9 | 95,5 | 94,7 | 94,2 | 94,9 | 87,8 | 84,8 | 88,2 | 91,7 | 88,0 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89,9 | 91,8 | 96,6 | 96,2 | 96,5 | 96,6 | 97,3 | 97,0 | 95,7 | 95,9 | 97,1 | 97,4 | 96,9 | 93,5 | 91,8 |

COLOR PARAMETERS

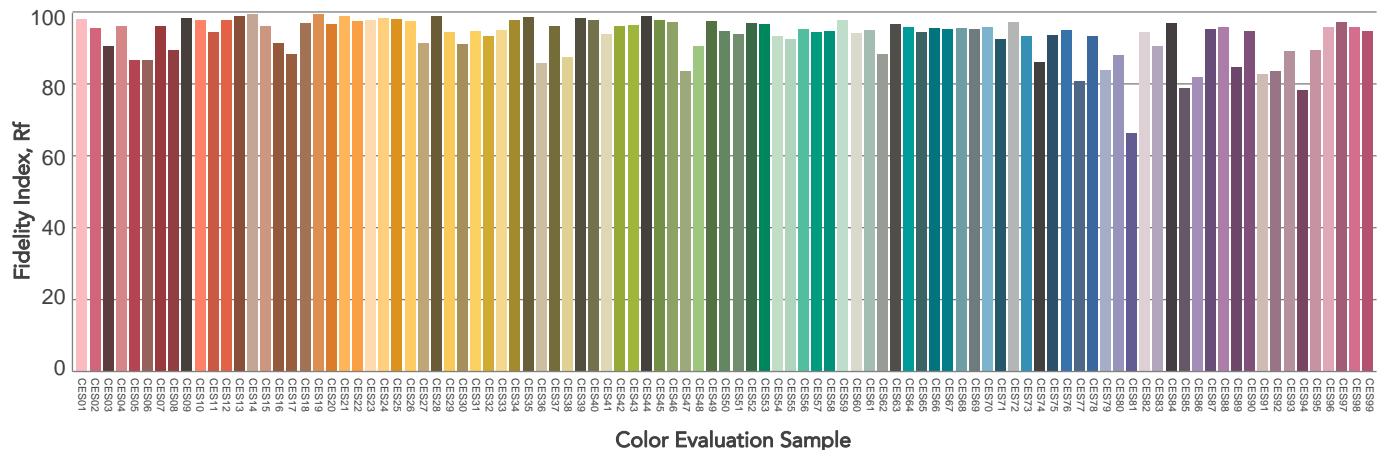
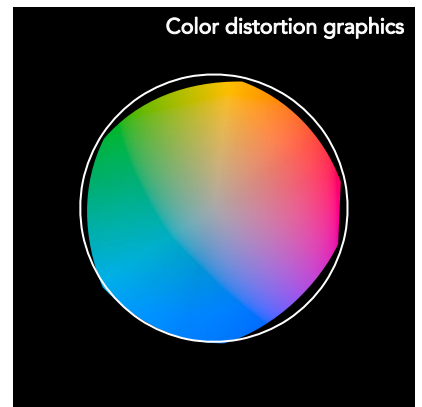
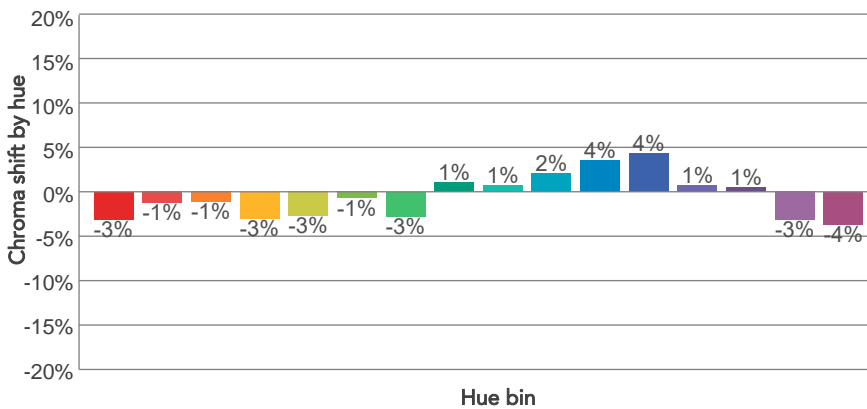
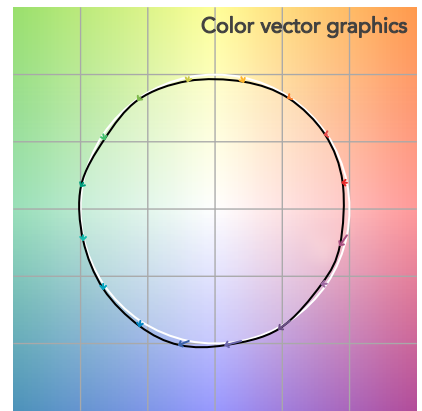
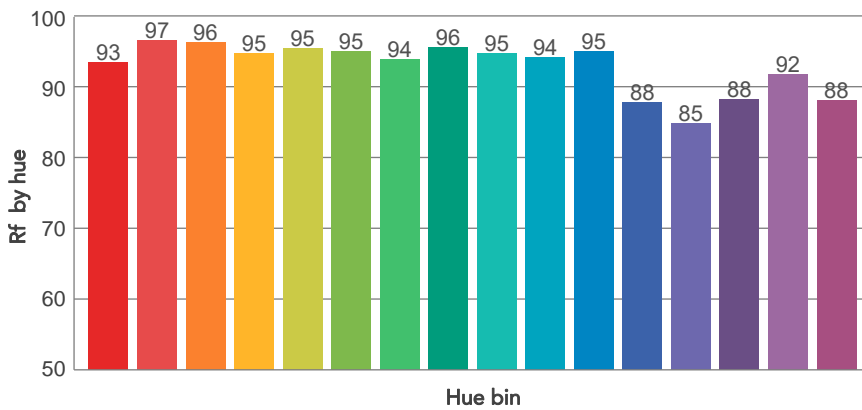
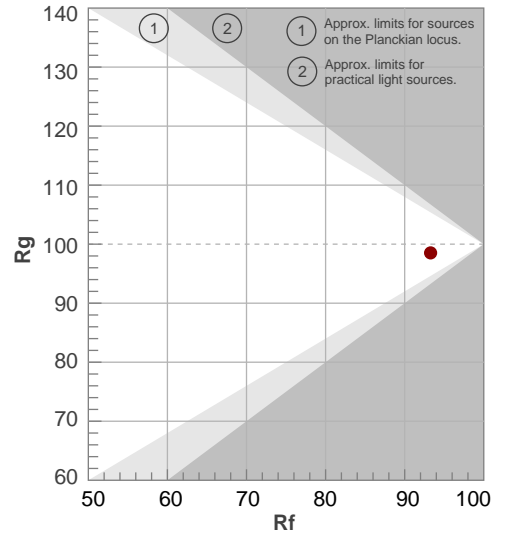
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 2812 K | 97,1 | 82,0 | 93,3 | 98,5 | 94,5 | 85 | 0,452 | 0,409 | 0,0003 |

TM30 DETAILS

Rf 93,3
Fidelity index Rf

Rg 98,5
Gammut index

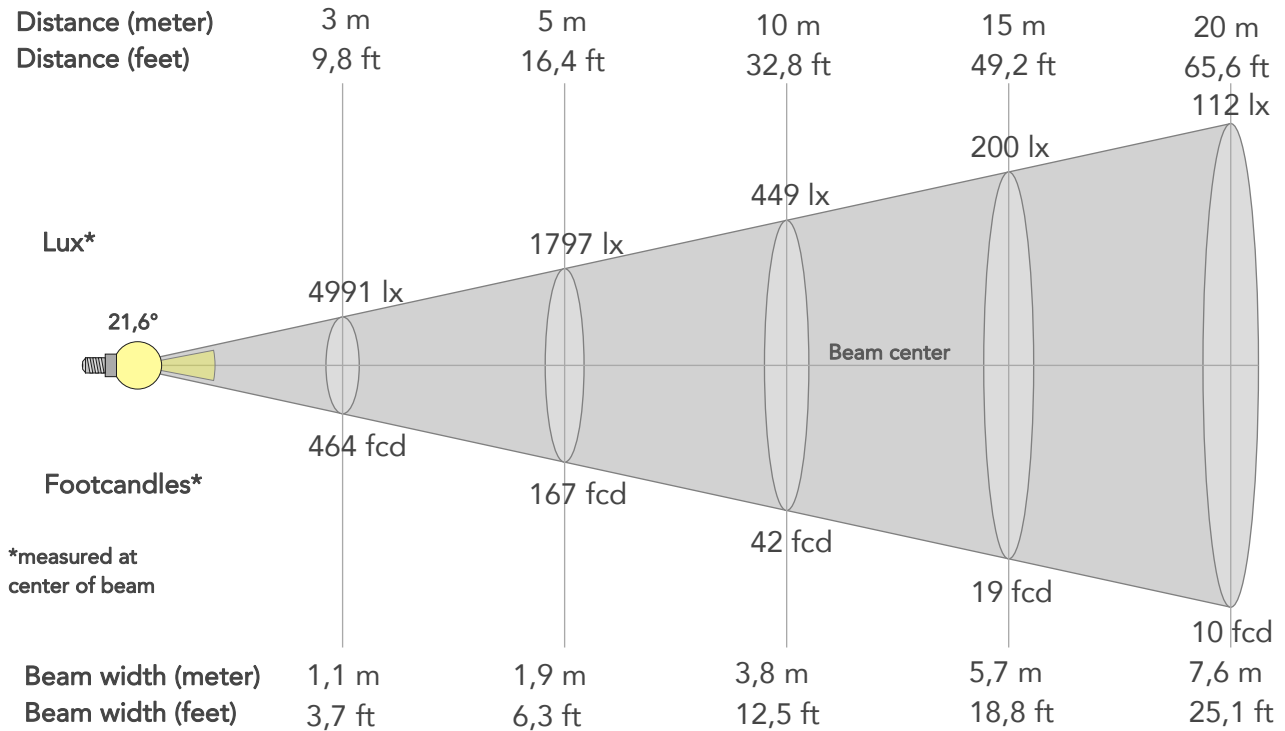
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 93 | -3% | 1% |
| 2 | 97 | -1% | 1% |
| 3 | 96 | -1% | 1% |
| 4 | 95 | -3% | -2% |
| 5 | 95 | -3% | 1% |
| 6 | 95 | -1% | 2% |
| 7 | 94 | -3% | 3% |
| 8 | 96 | 1% | 3% |
| 9 | 95 | 1% | 3% |
| 10 | 94 | 2% | 3% |
| 11 | 95 | 4% | 2% |
| 12 | 88 | 4% | -7% |
| 13 | 85 | 1% | -12% |
| 14 | 88 | 1% | -10% |
| 15 | 92 | -3% | -2% |
| 16 | 88 | -4% | -8% |



BEAM DETAILS



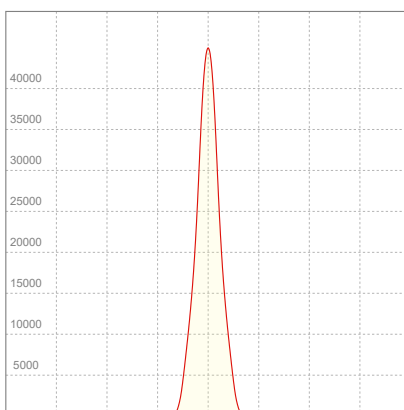
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,6° | 44,7° | 53,4° | 100,0% | 100,0% |



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 | 44920lx | 11230lx | 4991lx | 2807lx | 1797lx | 799lx | 449lx | 200lx | 112lx | 72lx | 50lx | 28lx | 18lx |
| Footcand. | 4173fcd | 1043fcd | 464fcd | 261fcd | 167fcd | 74fcd | 42fcd | 19fcd | 10fcd | 7fcd | 5fcd | 3fcd | 2fcd |
| Beam wid. | 0,4m | 0,8m | 1,1m | 1,5m | 1,9m | 2,9m | 3,8m | 5,7m | 7,6m | 9,6m | 11,5m | 15,3m | 19,1m |
| Beam wid. | 1,3ft | 2,5ft | 3,7ft | 5ft | 6,3ft | 9,4ft | 12,5ft | 18,8ft | 25,1ft | 31,3ft | 37,6ft | 50,2ft | 62,7ft |

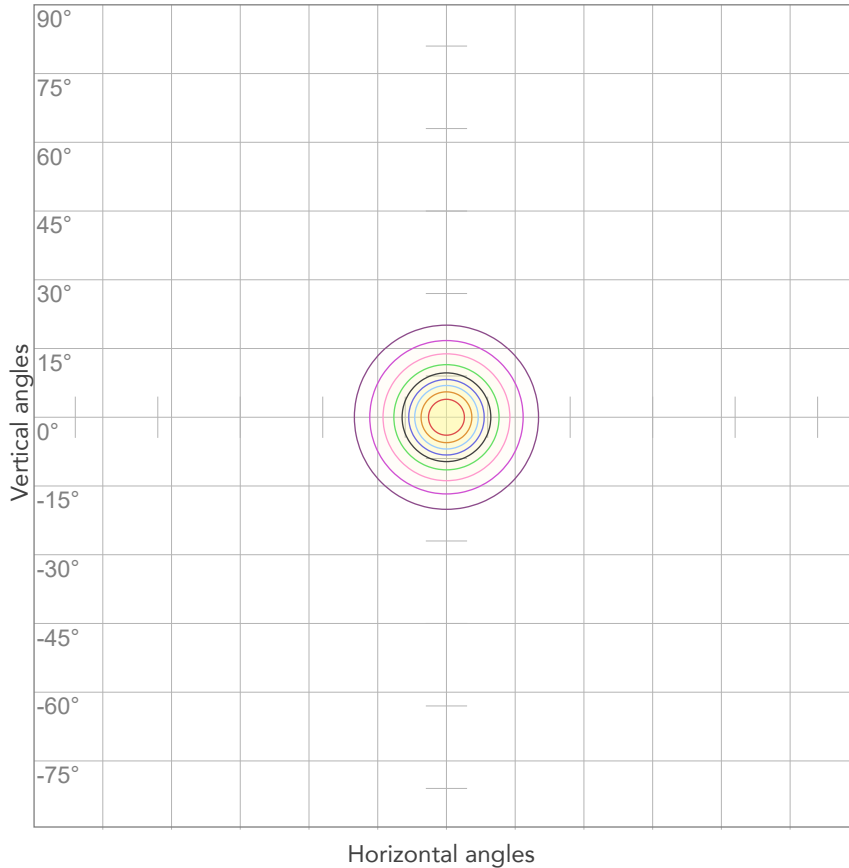
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 226V | 1,83A | 411,8W | 20lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 4492 cd |
| 20% | 8984 cd |
| 30% | 13476 cd |
| 40% | 17968 cd |
| 50% | 22460 cd |
| 60% | 26952 cd |
| 70% | 31444 cd |
| 80% | 35936 cd |

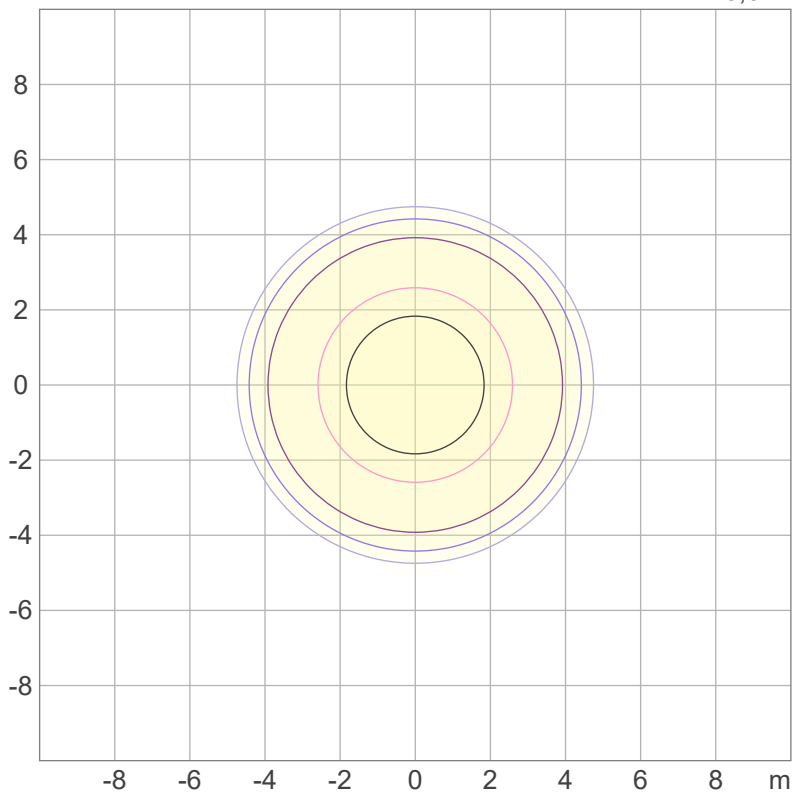
Conditions:

Number of c-planes: 2

Candela at center: 44920 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 13,5 lx |
| 5% | 22,5 lx |
| 10% | 44,9 lx |
| 30% | 135 lx |
| 50% | 225 lx |

Conditions:

Number of c-planes: 2

Lux at center: 449 lx

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



Total lumen output:

4454 lm

Peak candela output:

117294 cd

Light quality:

CRI: 96,8

Color temperature:

2818 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

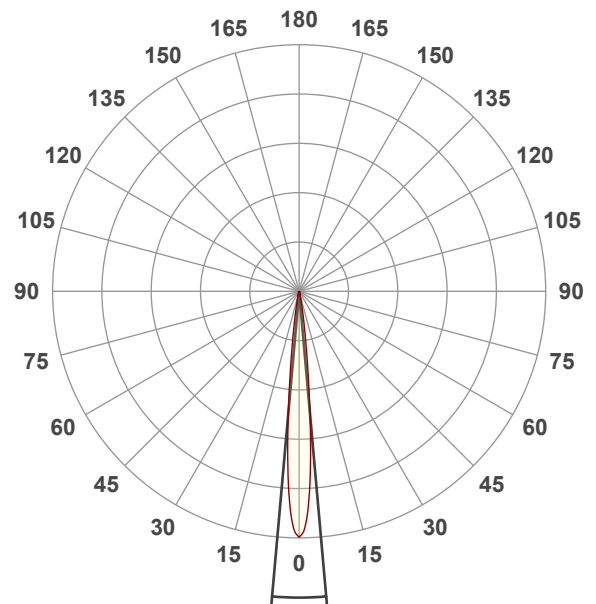
2800K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 12:38:29

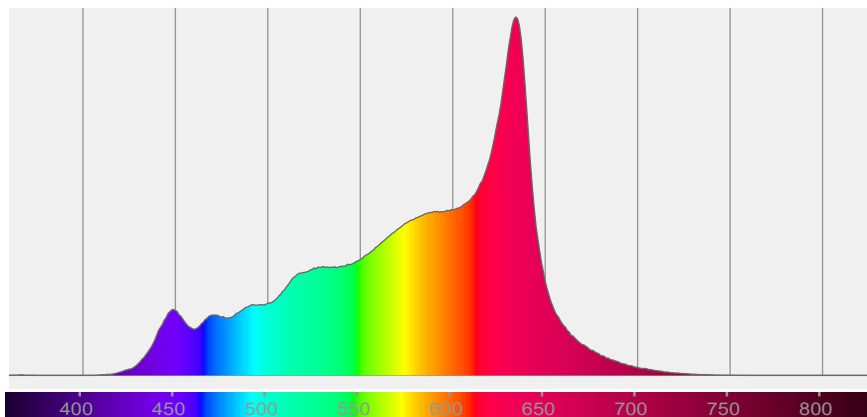


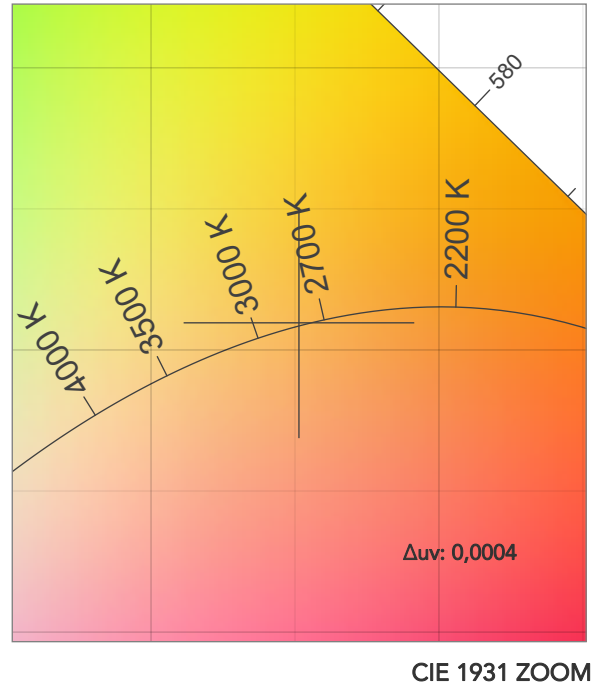
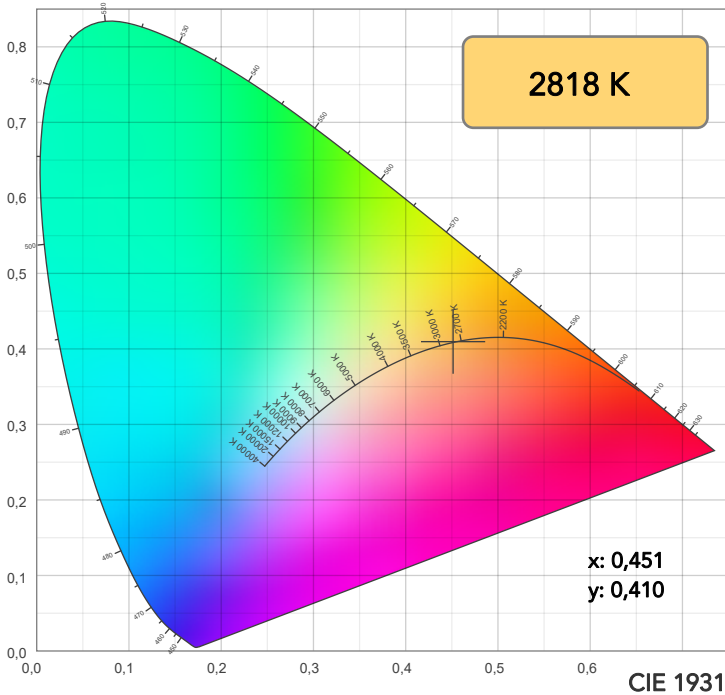
Beam angle 50%: 10,1°

Field angle 10%: 18,8°

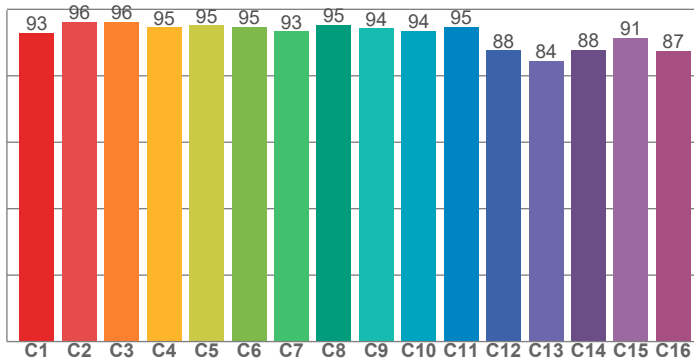
Cut off angle 2.5%: 25,9°

Spectra

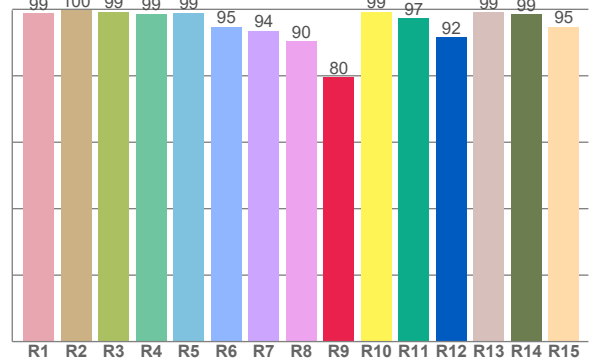




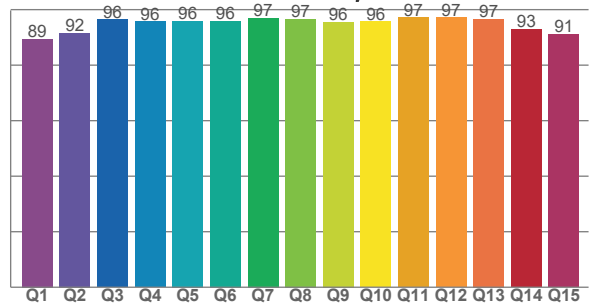
TM30: 92,9



CRI: 96,8 (R1-R8)



CQS: 94,2



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,9 | 99,6 | 99,3 | 98,7 | 98,9 | 94,8 | 93,6 | 90,4 | 79,5 | 99,2 | 97,2 | 91,6 | 99,2 | 98,6 | 94,7 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 92,9 | 96,2 | 96,2 | 94,5 | 95,2 | 94,7 | 93,4 | 95,3 | 94,2 | 93,6 | 94,7 | 87,7 | 84,4 | 87,7 | 91,4 | 87,5 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89,3 | 91,6 | 96,5 | 95,8 | 95,9 | 95,9 | 97,0 | 96,6 | 95,5 | 95,7 | 97,1 | 97,1 | 96,6 | 92,9 | 91,1 |

COLOR PARAMETERS

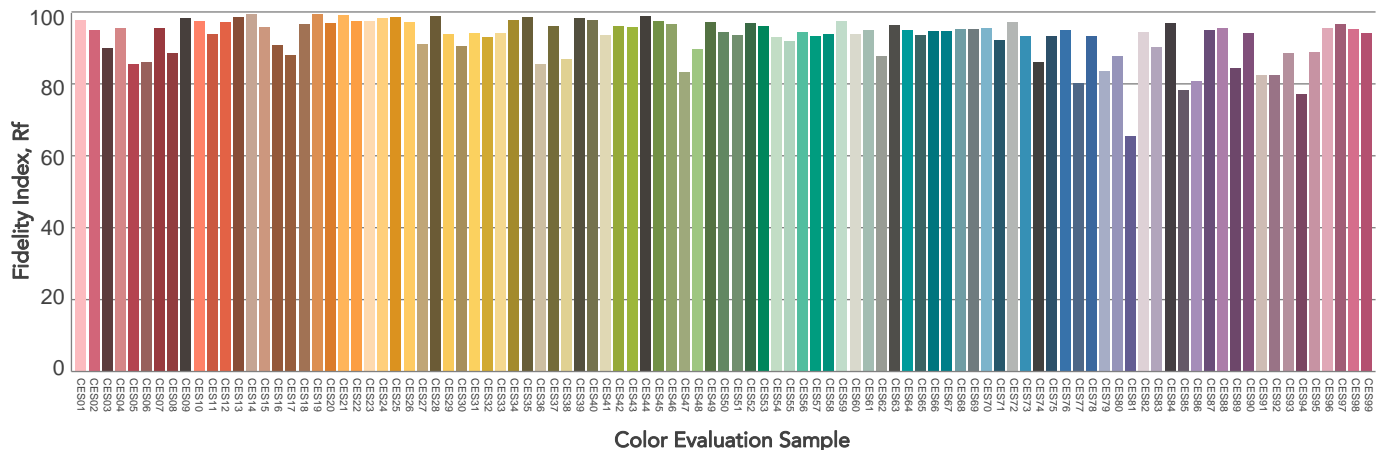
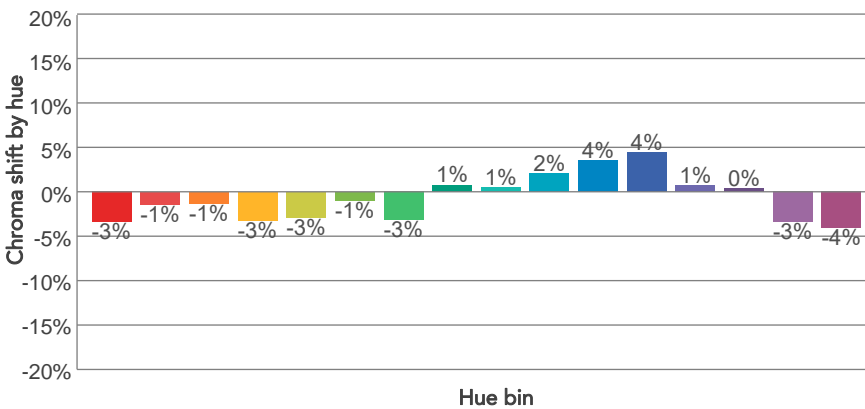
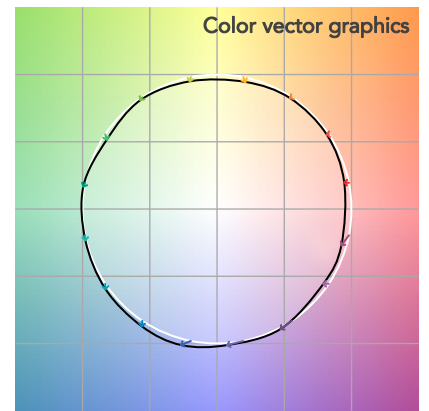
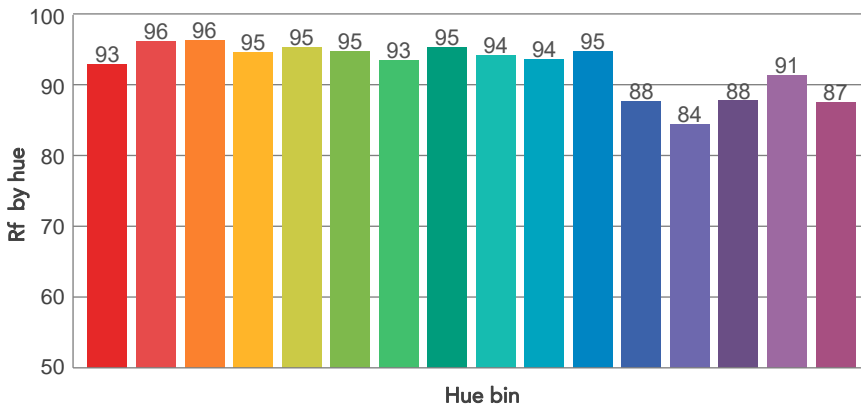
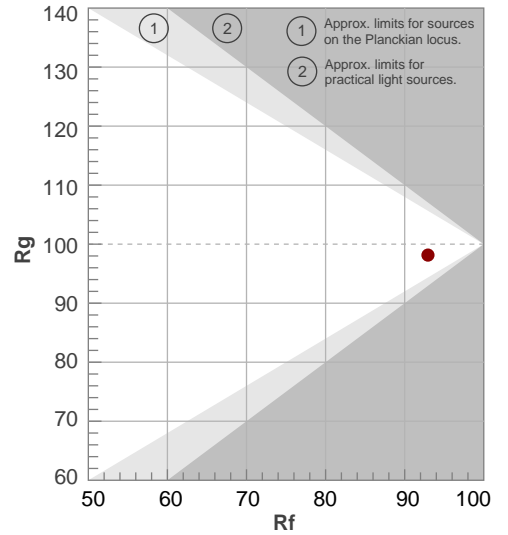
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 2818 K | 96,8 | 79,5 | 92,9 | 98,1 | 94,2 | 85 | 0,451 | 0,410 | 0,0004 |

TM30 DETAILS

Rf 92,9
Fidelity index Rf

Rg 98,1
Gammut index

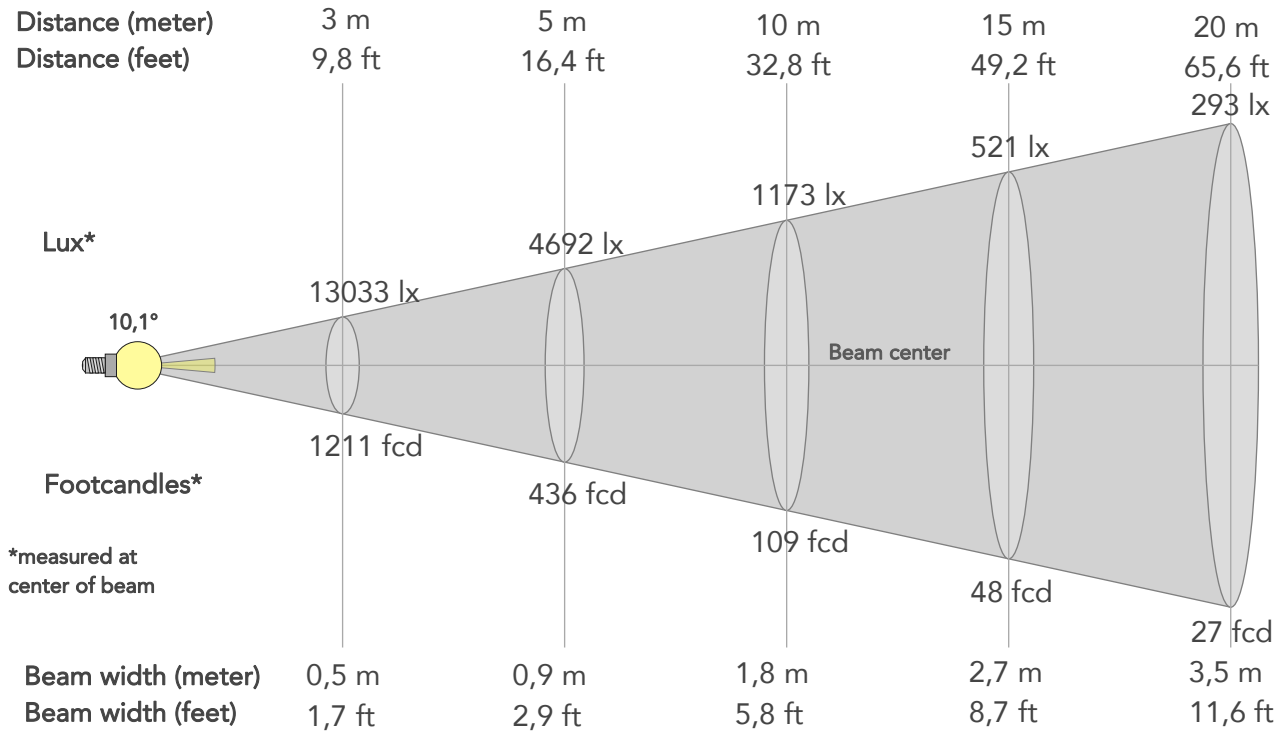
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 93 | -3% | 1% |
| 2 | 96 | -1% | 1% |
| 3 | 96 | -1% | 1% |
| 4 | 95 | -3% | -2% |
| 5 | 95 | -3% | 1% |
| 6 | 95 | -1% | 2% |
| 7 | 93 | -3% | 3% |
| 8 | 95 | 1% | 3% |
| 9 | 94 | 1% | 4% |
| 10 | 94 | 2% | 3% |
| 11 | 95 | 4% | 2% |
| 12 | 88 | 4% | -7% |
| 13 | 84 | 1% | -12% |
| 14 | 88 | 0% | -10% |
| 15 | 91 | -3% | -2% |
| 16 | 87 | -4% | -8% |



BEAM DETAILS



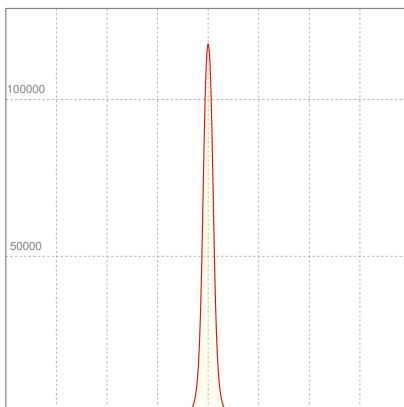
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,1° | 18,8° | 25,9° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 117294lx | 29323lx | 13033lx | 7331lx | 4692lx | 2085lx | 1173lx | 521lx | 293lx | 188lx | 130lx | 73lx | 47lx |
| Footcand. | 10897fcd | 2724fcd | 1211fcd | 681fcd | 436fcd | 194fcd | 109fcd | 48fcd | 27fcd | 17fcd | 12fcd | 7fcd | 4fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,7m | 3,5m | 4,4m | 5,3m | 7,1m | 8,9m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,4ft | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 17,5ft | 23,3ft | 29,1ft |

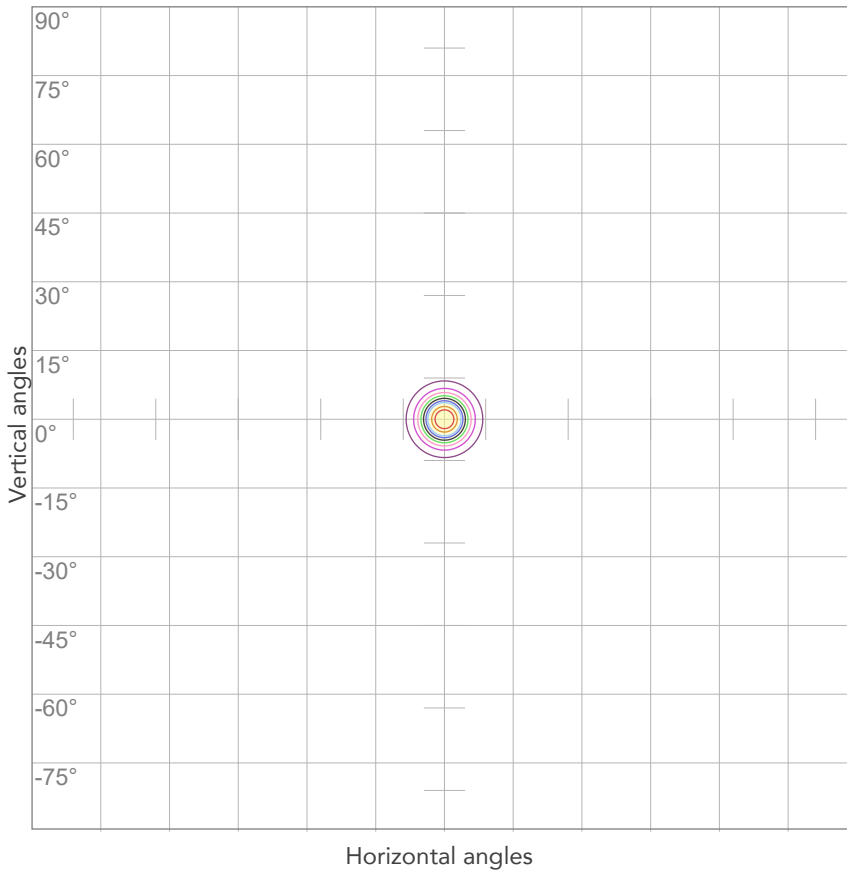
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 224V | 1,82A | 405,9W | 11lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 11729 cd |
| 20% | 23459 cd |
| 30% | 35188 cd |
| 40% | 46918 cd |
| 50% | 58647 cd |
| 60% | 70376 cd |
| 70% | 82106 cd |
| 80% | 93835 cd |

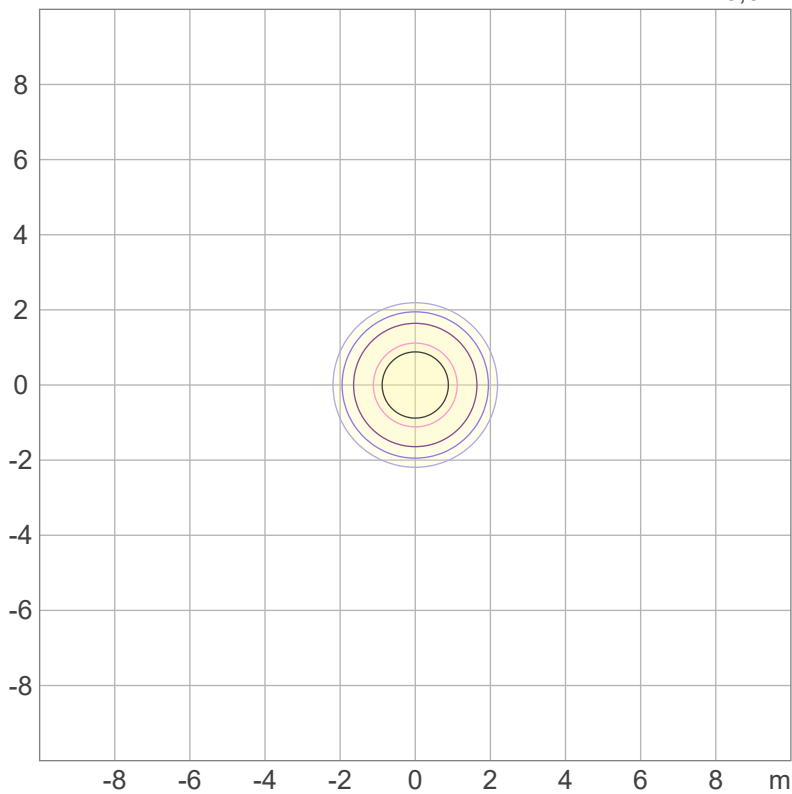
Conditions:

Number of c-planes: 2

Candela at center: 117294 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 35,2 lx |
| 5% | 58,6 lx |
| 10% | 117 lx |
| 30% | 352 lx |
| 50% | 586 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1173 lx

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



Total lumen output:

12254 lm

Peak candela output:

16255 cd

Light quality:

CRI: 97,6

Color temperature:

3196 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

axd Zoom

Target:

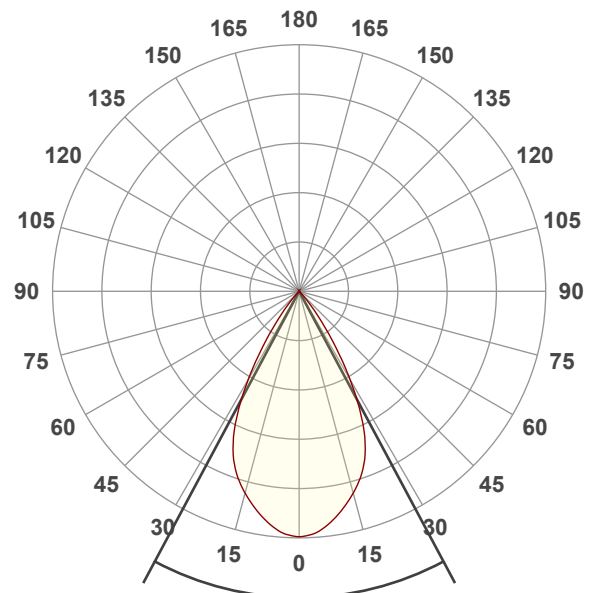
3200K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:26:33

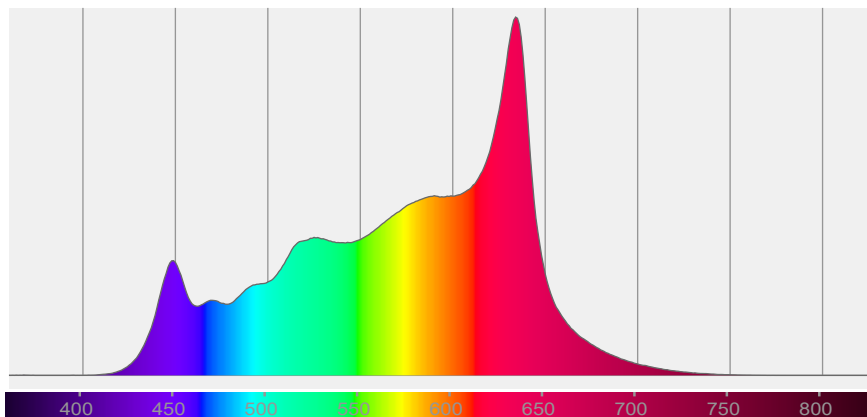


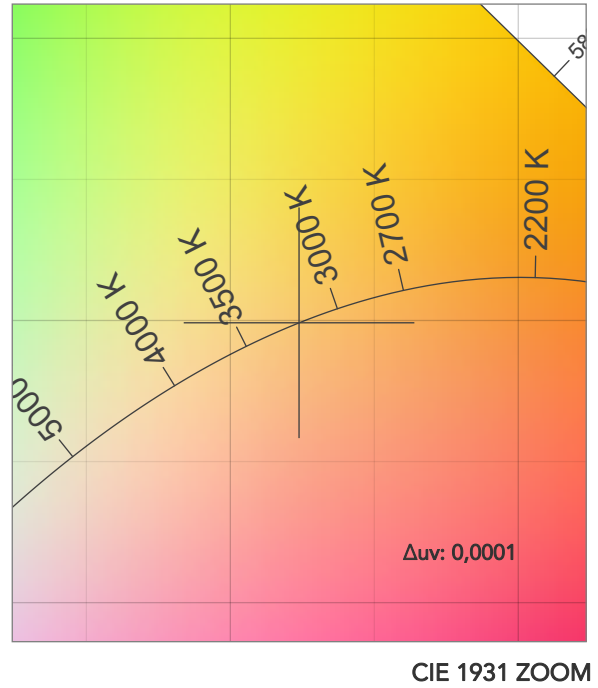
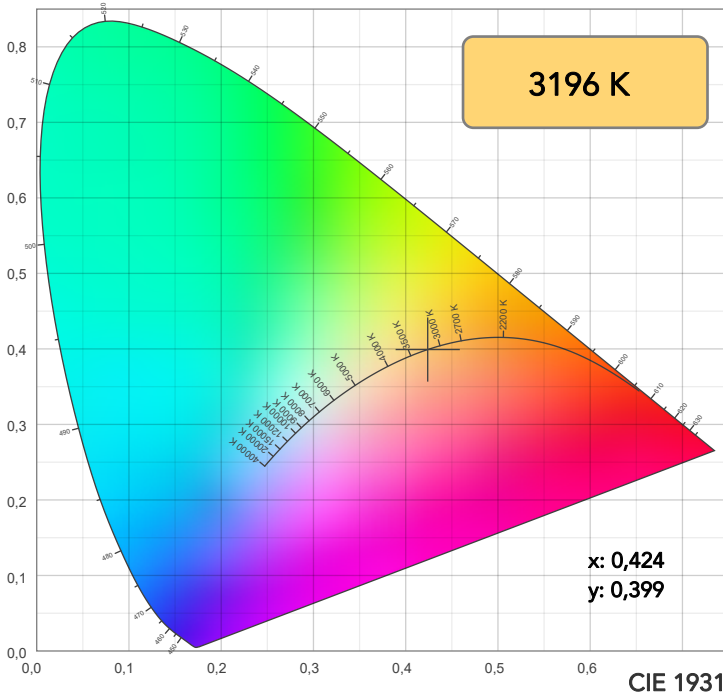
Beam angle 50%: 56,2°

Field angle 10%: 77,1°

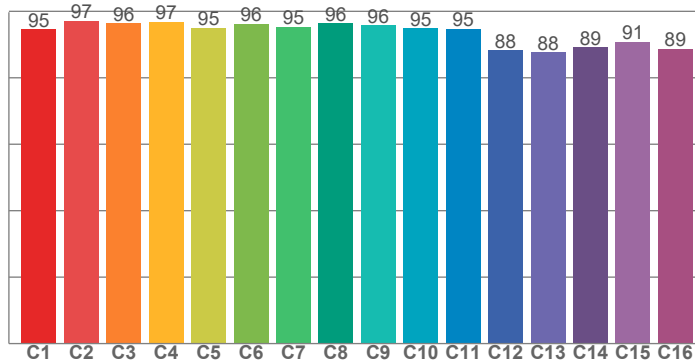
Cut off angle 2.5%: 85,7°

Spectra

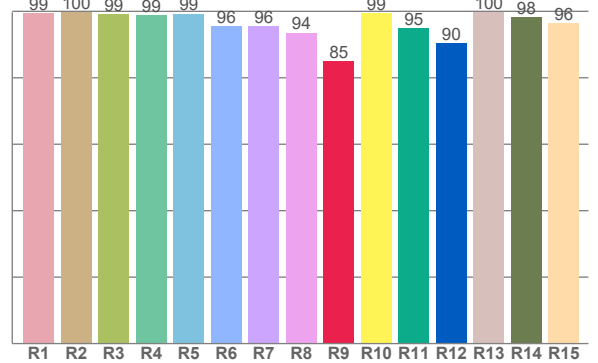




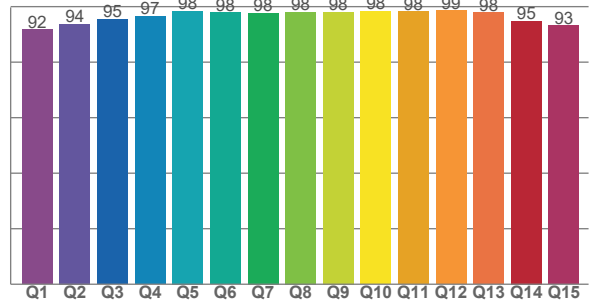
TM30: 94,2



CRI: 97,6 (R1-R8)



CQS: 95,7



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99,3 | 99,7 | 99,2 | 98,9 | 99,2 | 95,5 | 95,5 | 93,5 | 84,9 | 99,3 | 94,8 | 90,4 | 99,7 | 98,2 | 96,4 |

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

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,6 | 97,1 | 96,4 | 96,9 | 95,1 | 96,2 | 95,4 | 96,4 | 95,8 | 94,9 | 94,7 | 88,2 | 87,6 | 89,2 | 90,8 | 88,7 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91,7 | 93,7 | 95,5 | 96,5 | 98,4 | 97,8 | 97,7 | 98,0 | 98,1 | 98,3 | 98,2 | 98,5 | 97,9 | 94,8 | 93,2 |

COLOR PARAMETERS

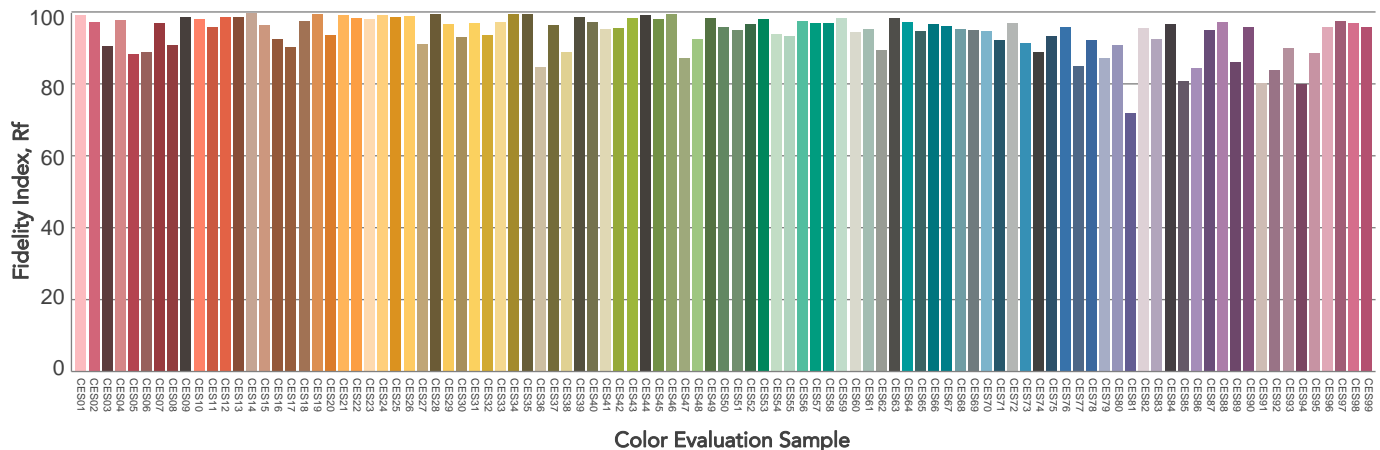
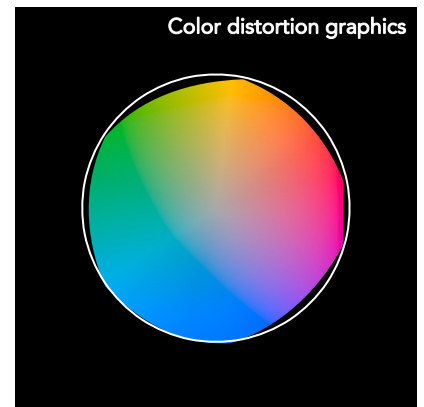
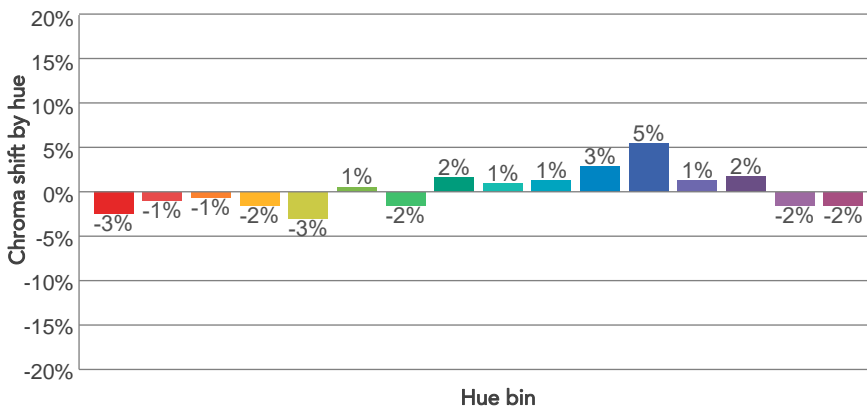
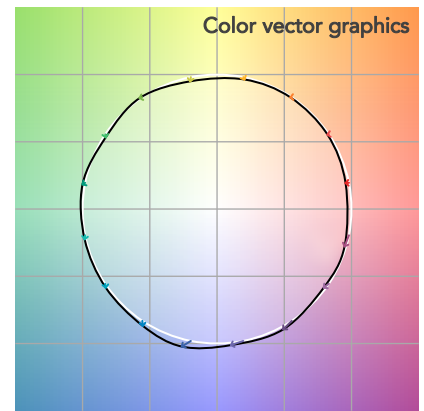
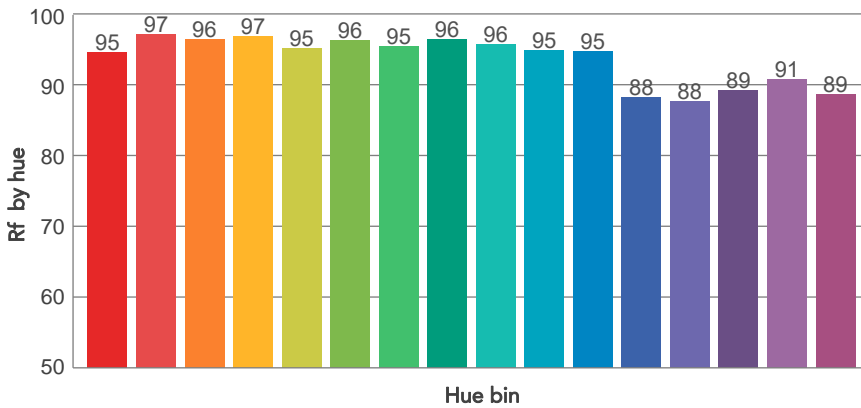
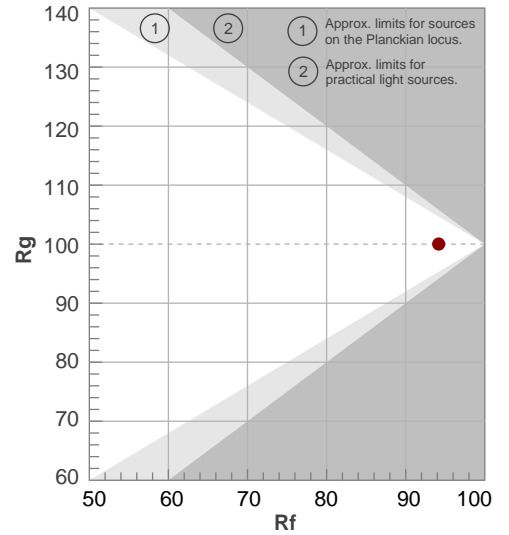
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 3196 K | 97,6 | 84,9 | 94,2 | 100,0 | 95,7 | 88 | 0,424 | 0,399 | 0,0001 |

TM30 DETAILS

Rf 94,2
Fidelity index Rf

Rg 100,0
Gammut index

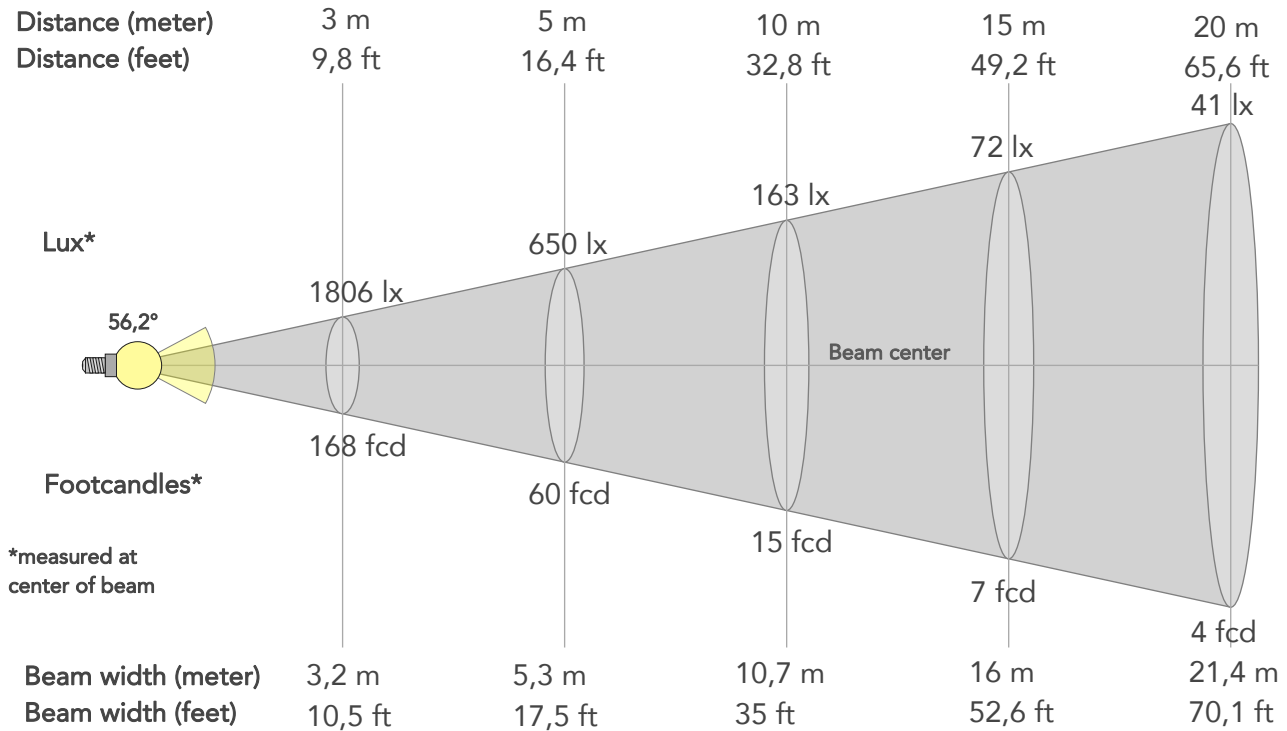
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 95 | -3% | 0% |
| 2 | 97 | -1% | 0% |
| 3 | 96 | -1% | 1% |
| 4 | 97 | -2% | -1% |
| 5 | 95 | -3% | 1% |
| 6 | 96 | 1% | 2% |
| 7 | 95 | -2% | 2% |
| 8 | 96 | 2% | 2% |
| 9 | 96 | 1% | 3% |
| 10 | 95 | 1% | 3% |
| 11 | 95 | 3% | 2% |
| 12 | 88 | 5% | -6% |
| 13 | 88 | 1% | -10% |
| 14 | 89 | 2% | -9% |
| 15 | 91 | -2% | -5% |
| 16 | 89 | -2% | -9% |



BEAM DETAILS



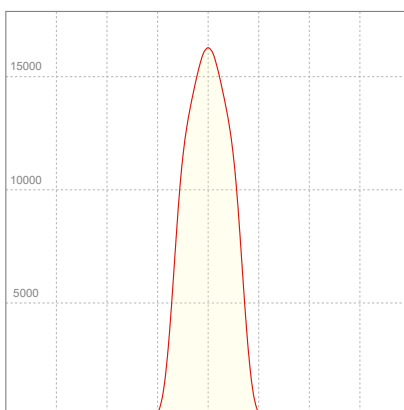
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,2° | 77,1° | 85,7° | 100,0% | 99,8% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 16255lx | 4064lx | 1806lx | 1016lx | 650lx | 289lx | 163lx | 72lx | 41lx | 26lx | 18lx | 10lx | 7lx |
| Footcand. | 1510fcd | 378fcd | 168fcd | 94fcd | 60fcd | 27fcd | 15fcd | 7fcd | 4fcd | 2fcd | 2fcd | 1fcd | 1fcd |
| Beam wid. | 1,1m | 2,1m | 3,2m | 4,3m | 5,3m | 8m | 10,7m | 16m | 21,4m | 26,7m | 32,1m | 42,7m | 53,4m |
| Beam wid. | 3,5ft | 7,1ft | 10,5ft | 14ft | 17,5ft | 26,3ft | 35ft | 52,6ft | 70,1ft | 87,6ft | 105,1ft | 140,2ft | 175,2ft |

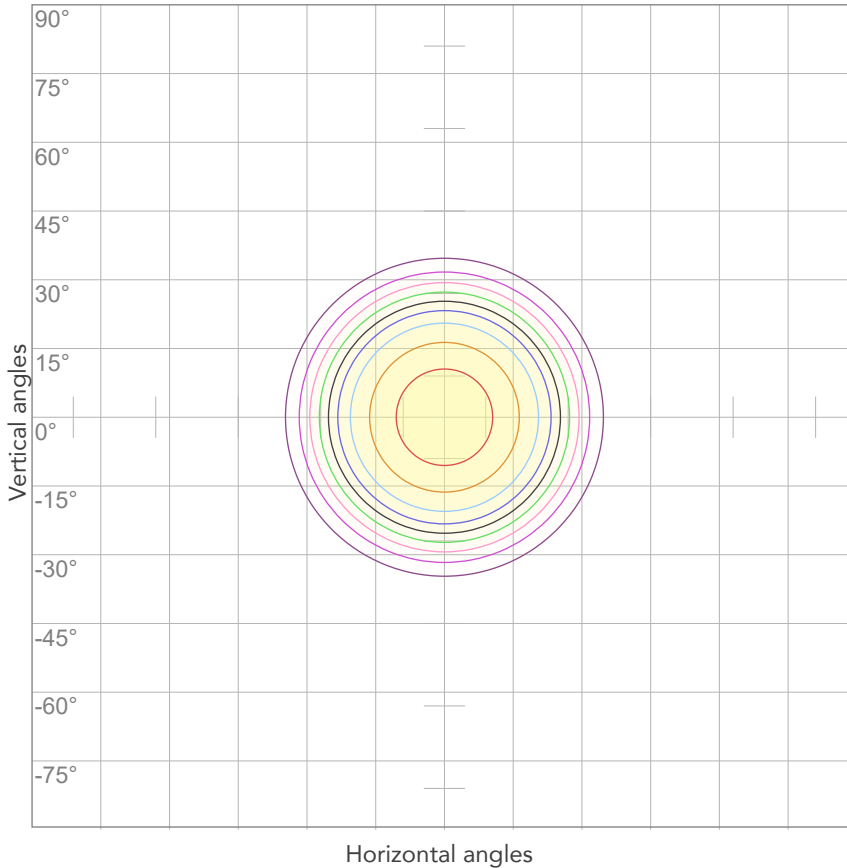
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 226V | 2,08A | 466,9W | 26lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 1626 cd |
| 20% | 3251 cd |
| 30% | 4877 cd |
| 40% | 6502 cd |
| 50% | 8128 cd |
| 60% | 9753 cd |
| 70% | 11379 cd |
| 80% | 13004 cd |

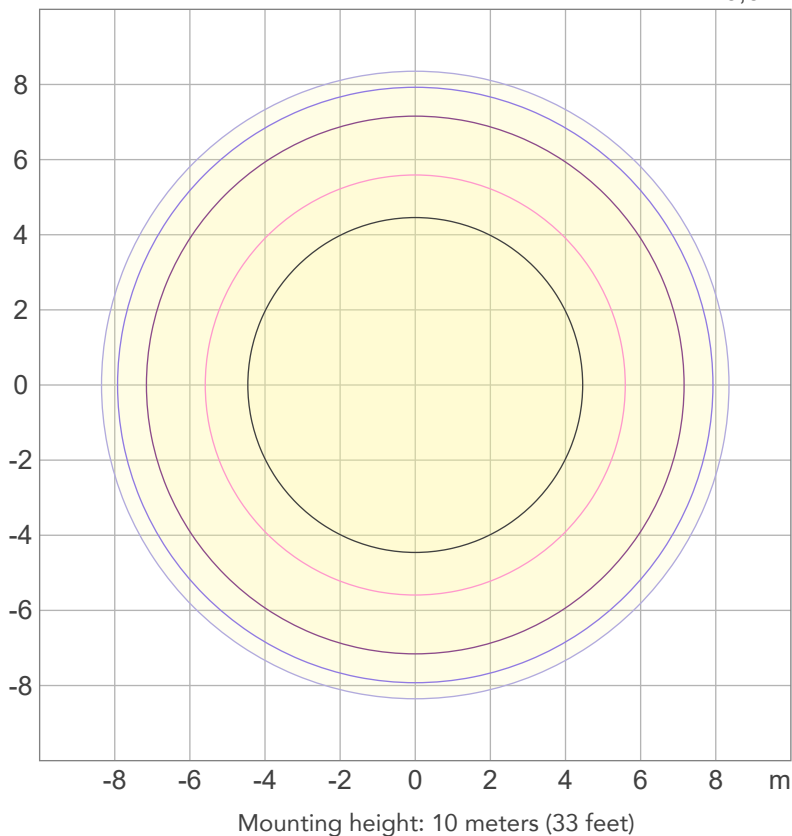
Conditions:

Number of c-planes: 2

Candela at center: 16255 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 4,88 lx |
| 5% | 8,13 lx |
| 10% | 16,3 lx |
| 30% | 48,8 lx |
| 50% | 81,3 lx |

Conditions:

Number of c-planes: 2

Lux at center: 163 lx

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



Total lumen output:

9777 lm

Peak candela output:

52734 cd

Light quality:

CRI: 97,7

Color temperature:

3207 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

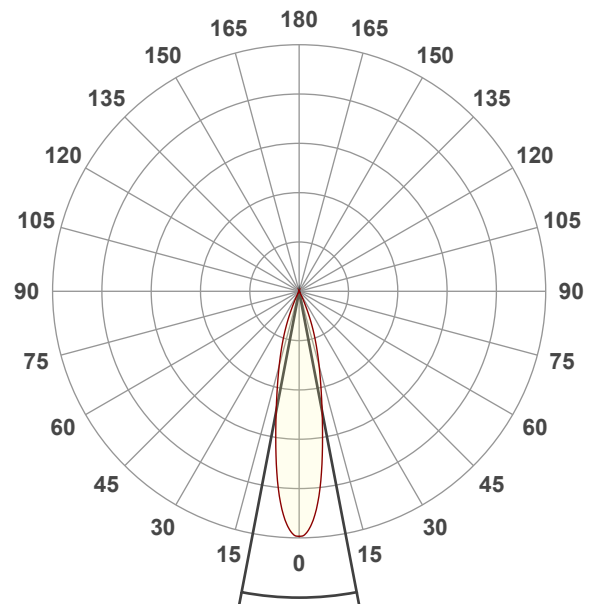
3200K - HQ

Operator:

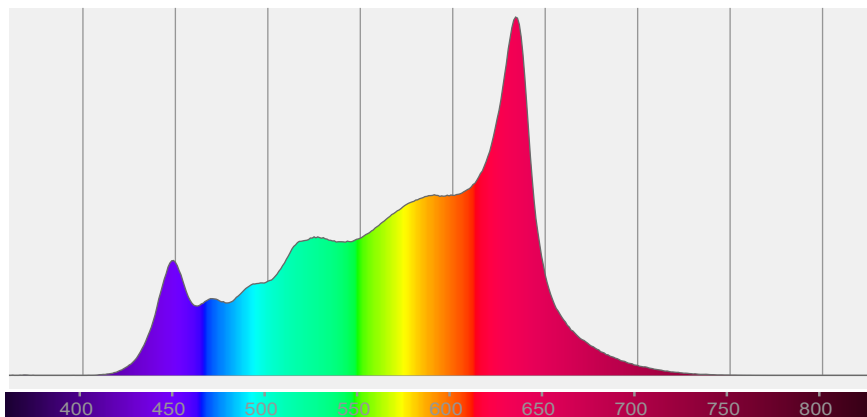
Salvatore Giglio

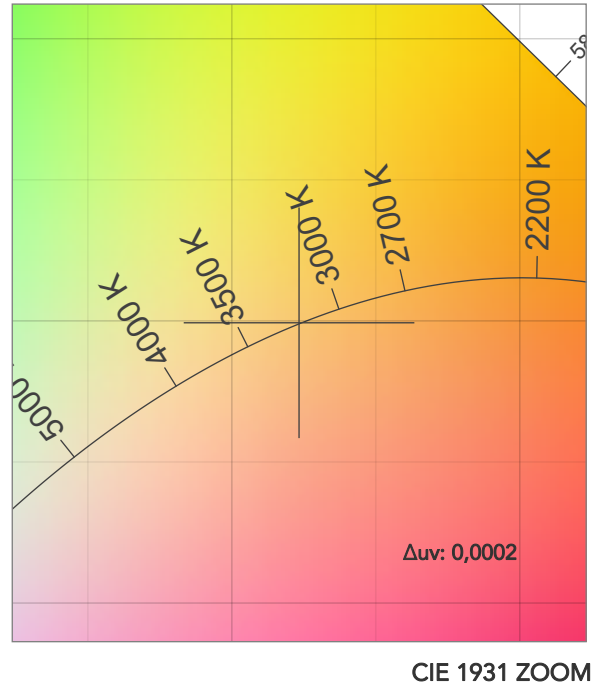
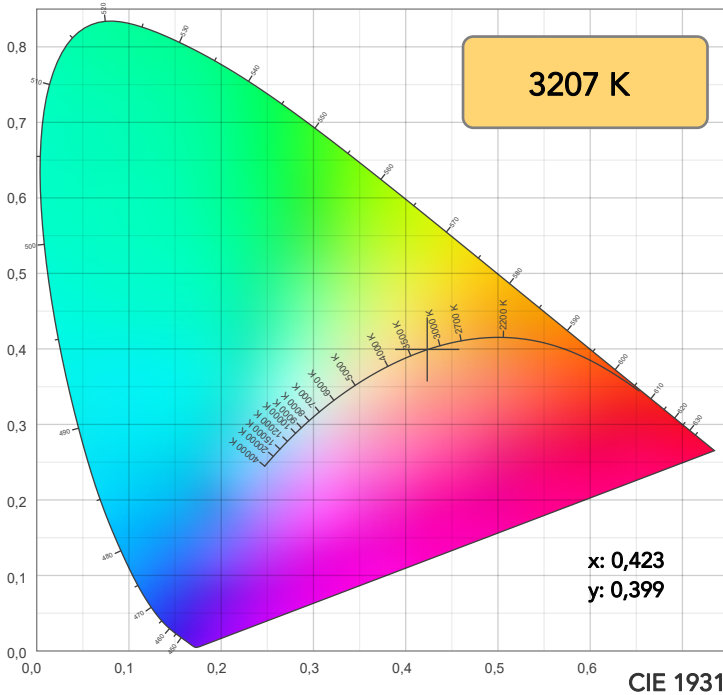
Date and time:

21/09/2023 13:26:15

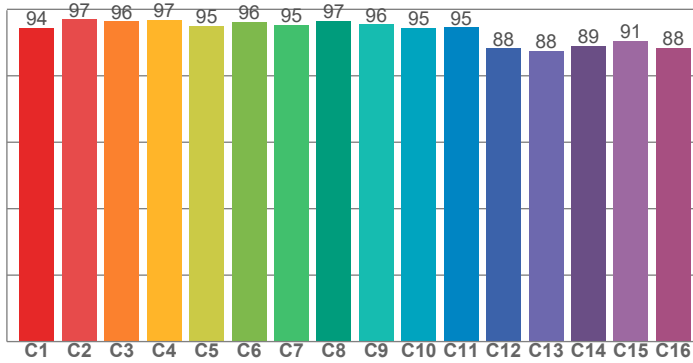


Spectra

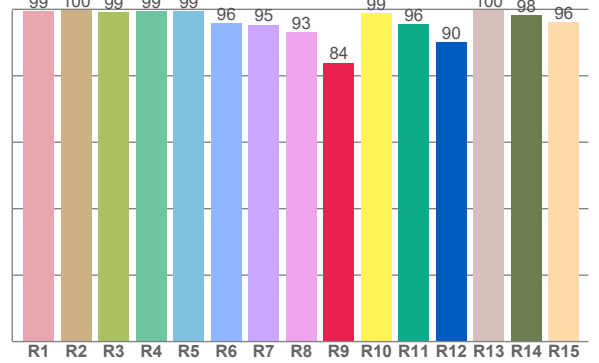




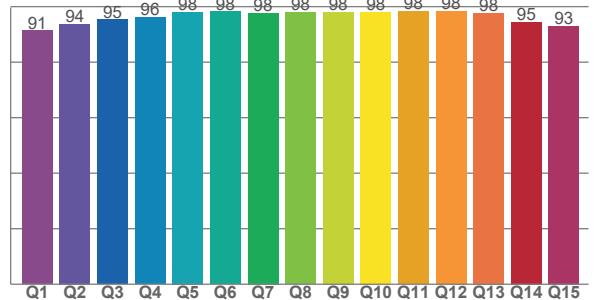
TM30: 94,0



CRI: 97,7 (R1-R8)



CQS: 95,6



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99,3 | 99,8 | 99,2 | 99,4 | 99,4 | 95,8 | 95,4 | 93,1 | 83,9 | 98,9 | 95,5 | 90,1 | 99,7 | 98,3 | 96,0 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,4 | 96,9 | 96,4 | 96,8 | 95,0 | 96,2 | 95,3 | 96,5 | 95,5 | 94,5 | 94,5 | 88,2 | 87,5 | 89,0 | 90,5 | 88,5 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91,4 | 93,7 | 95,4 | 96,2 | 98,0 | 98,3 | 97,8 | 98,0 | 98,0 | 98,1 | 98,3 | 98,4 | 97,8 | 94,5 | 92,9 |

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 |
| 3207 K | 97,7 | 83,9 | 94,0 | 99,8 | 95,6 | 88 | 0,423 | 0,399 | 0,0002 |

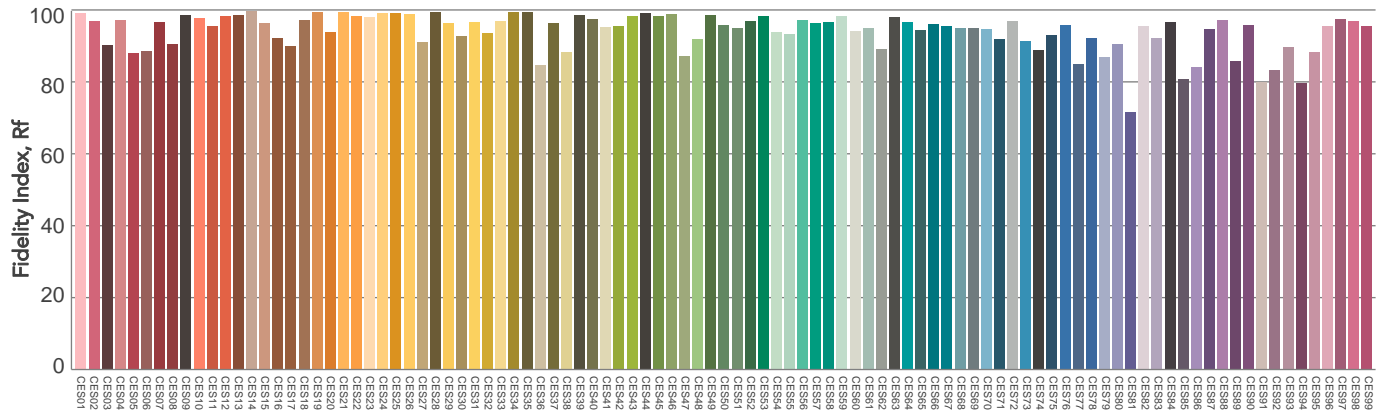
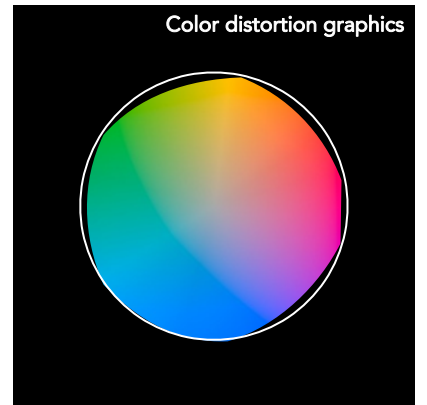
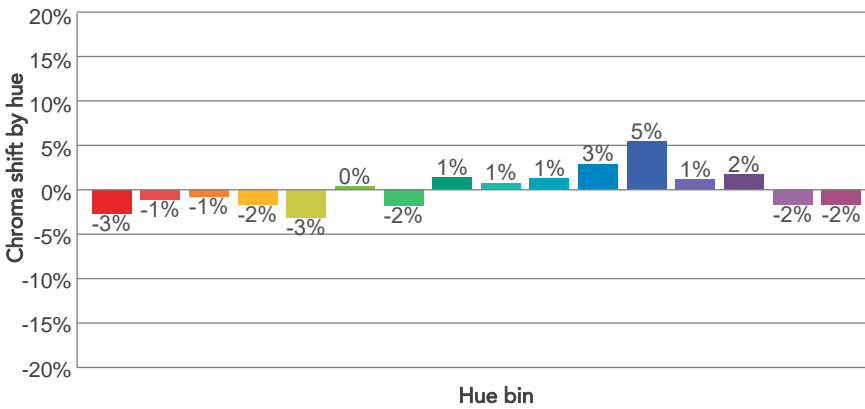
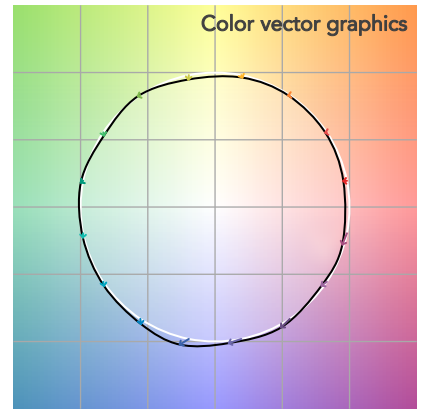
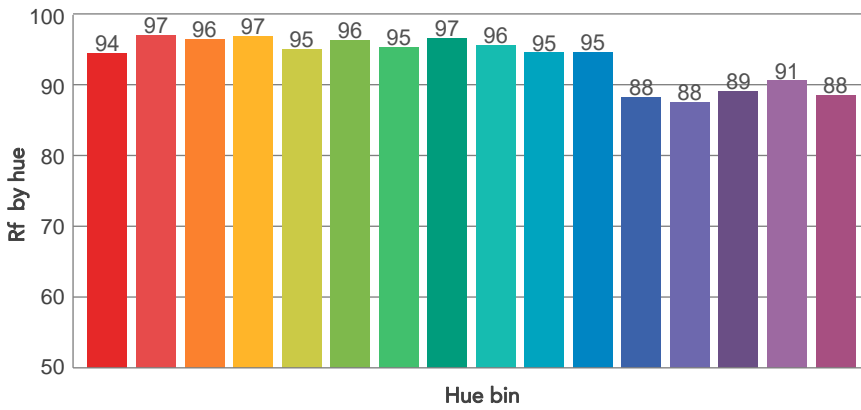
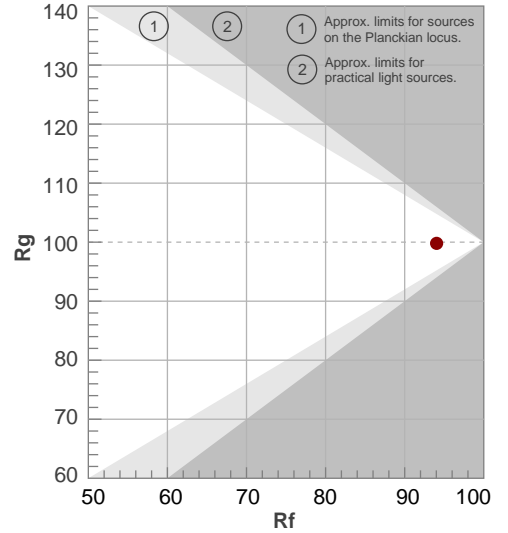
TM30 DETAILS



Rf 94,0
Fidelity index Rf

Rg 99,8
Gammut index

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 94 | -3% | 0% |
| 2 | 97 | -1% | 0% |
| 3 | 96 | -1% | 1% |
| 4 | 97 | -2% | -1% |
| 5 | 95 | -3% | 1% |
| 6 | 96 | 0% | 2% |
| 7 | 95 | -2% | 2% |
| 8 | 97 | 1% | 2% |
| 9 | 96 | 1% | 3% |
| 10 | 95 | 1% | 3% |
| 11 | 95 | 3% | 2% |
| 12 | 88 | 5% | -6% |
| 13 | 88 | 1% | -10% |
| 14 | 89 | 2% | -9% |
| 15 | 91 | -2% | -5% |
| 16 | 88 | -2% | -9% |

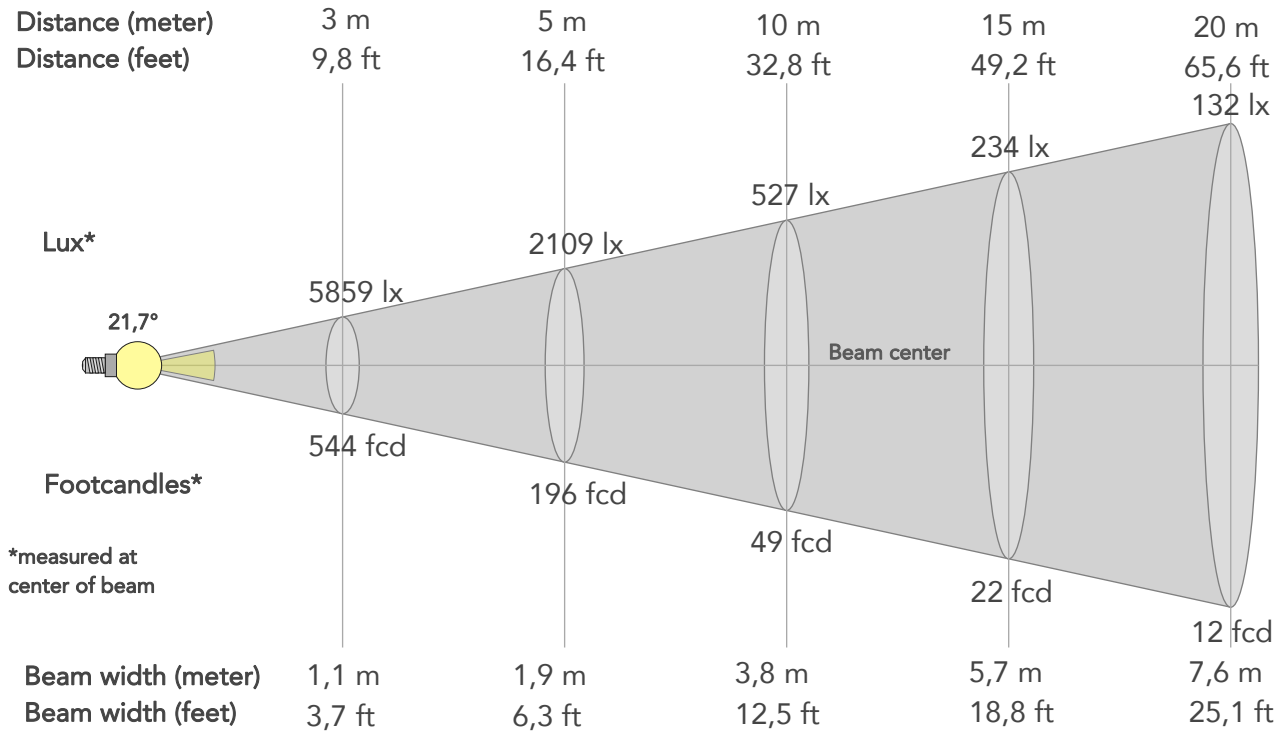


Color Evaluation Sample

BEAM DETAILS



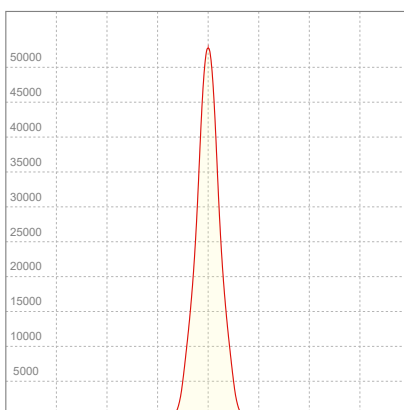
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,7° | 44,8° | 53,5° | 100,0% | 100,0% |



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 | 52734lx | 13183lx | 5859lx | 3296lx | 2109lx | 937lx | 527lx | 234lx | 132lx | 84lx | 59lx | 33lx | 21lx |
| Footcand. | 4899fcd | 1225fcd | 544fcd | 306fcd | 196fcd | 87fcd | 49fcd | 22fcd | 12fcd | 8fcd | 5fcd | 3fcd | 2fcd |
| Beam wid. | 0,4m | 0,8m | 1,1m | 1,5m | 1,9m | 2,9m | 3,8m | 5,7m | 7,6m | 9,6m | 11,5m | 15,3m | 19,1m |
| Beam wid. | 1,3ft | 2,5ft | 3,7ft | 5ft | 6,3ft | 9,4ft | 12,5ft | 18,8ft | 25,1ft | 31,4ft | 37,6ft | 50,2ft | 62,7ft |

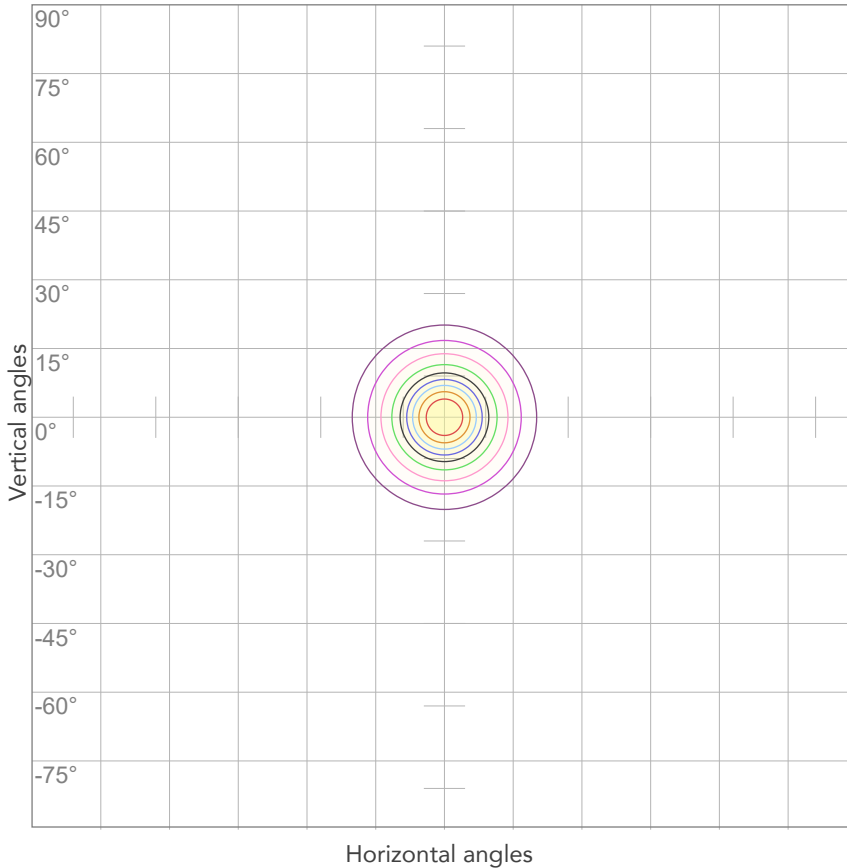
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 226V | 2,08A | 468,6W | 21lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 5273 cd |
| 20% | 10547 cd |
| 30% | 15820 cd |
| 40% | 21093 cd |
| 50% | 26367 cd |
| 60% | 31640 cd |
| 70% | 36913 cd |
| 80% | 42187 cd |

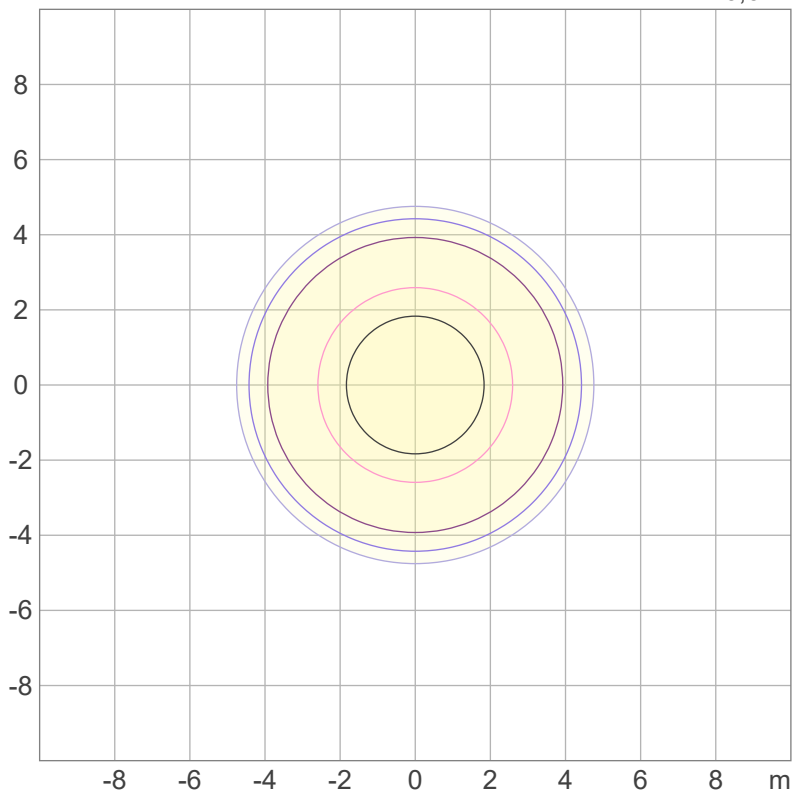
Conditions:

Number of c-planes: 2

Candela at center: 52734 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 15,8 lx |
| 5% | 26,4 lx |
| 10% | 52,7 lx |
| 30% | 158 lx |
| 50% | 264 lx |

Conditions:

Number of c-planes: 2

Lux at center: 527 lx

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



Total lumen output:

5327 lm

Peak candela output:

138816 cd

Light quality:

CRI: 97,7

Color temperature:

3269 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

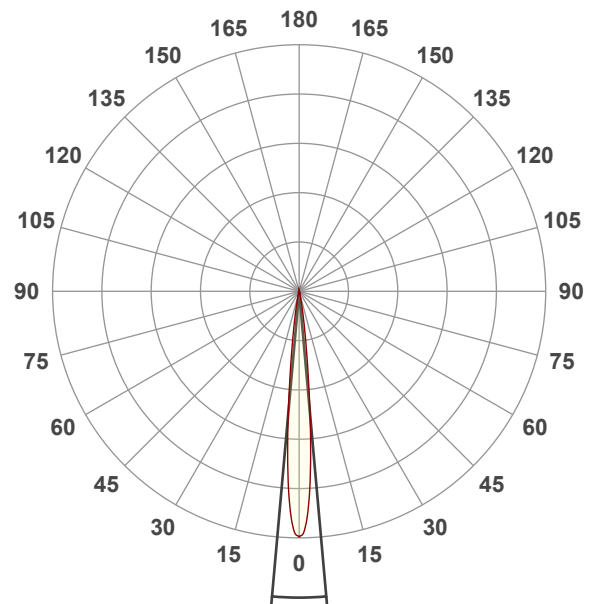
3200K - HQ

Operator:

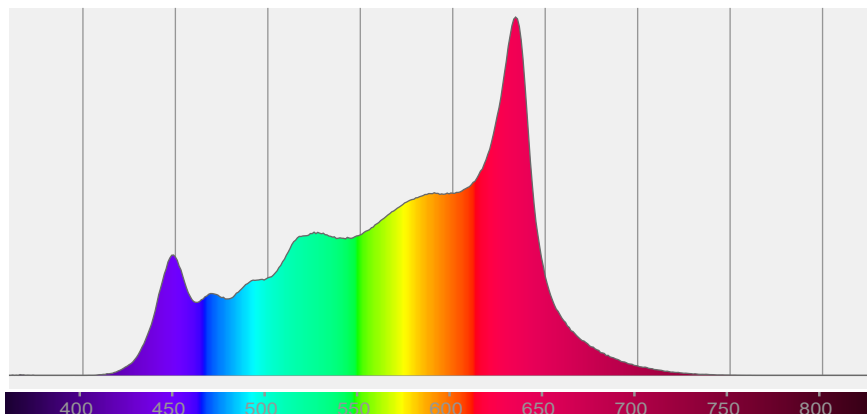
Salvatore Giglio

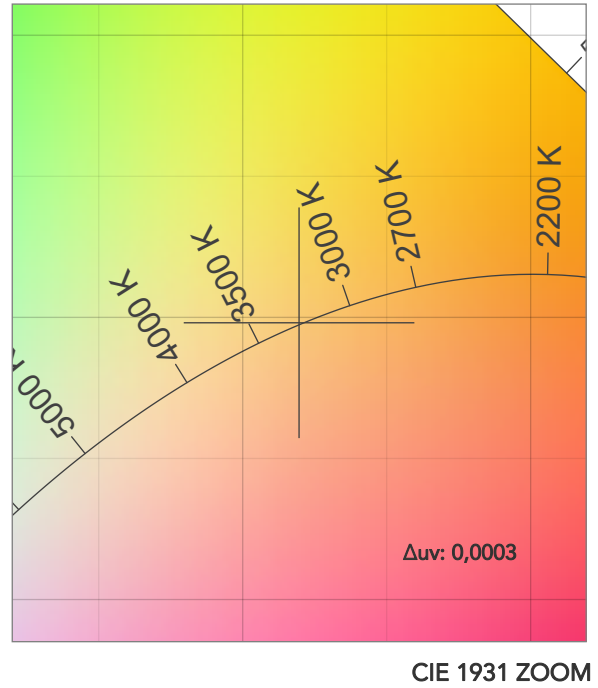
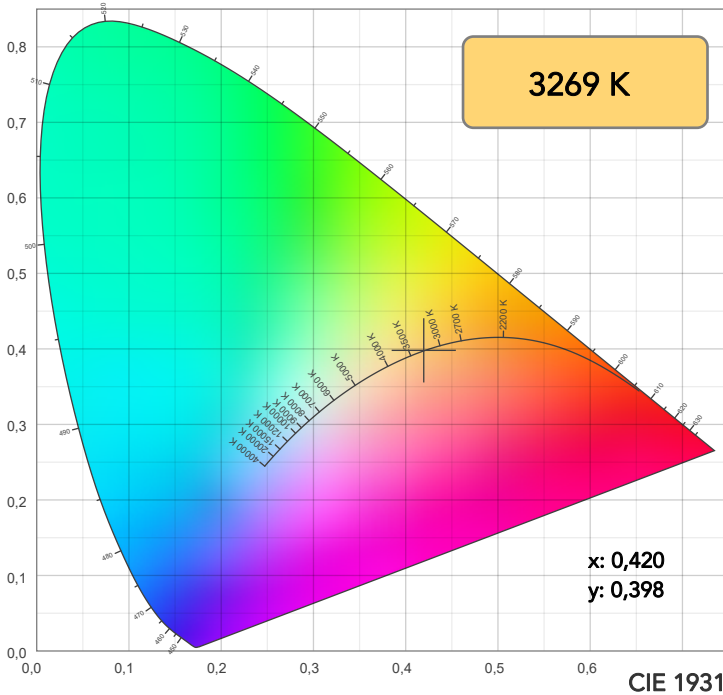
Date and time:

21/09/2023 12:32:26

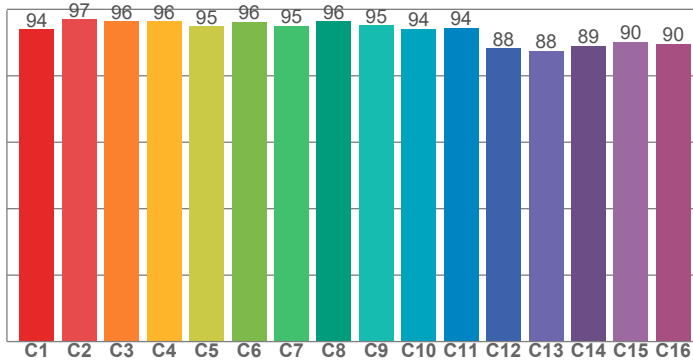


Spectra

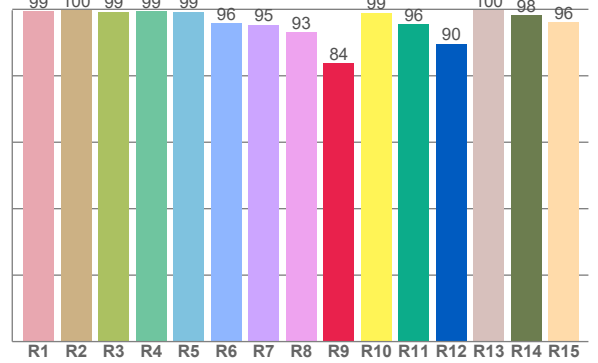




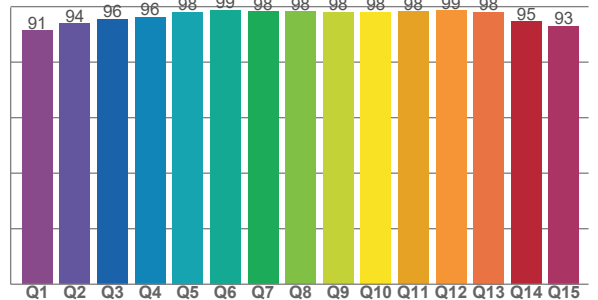
TM30: 93,9



CRI: 97,7 (R1-R8)



CQS: 95,7



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 99,3 | 99,8 | 99,2 | 99,4 | 99,3 | 95,8 | 95,4 | 93,0 | 83,7 | 98,9 | 95,6 | 89,7 | 99,8 | 98,3 | 96,0 |

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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,0 | 96,9 | 96,4 | 96,4 | 94,8 | 96,2 | 95,1 | 96,4 | 95,2 | 94,2 | 94,4 | 88,3 | 87,5 | 89,0 | 90,2 | 89,6 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 91,4 | 93,8 | 95,6 | 96,3 | 98,0 | 98,7 | 98,2 | 98,3 | 97,9 | 98,0 | 98,2 | 98,6 | 98,1 | 94,7 | 93,0 |

COLOR PARAMETERS

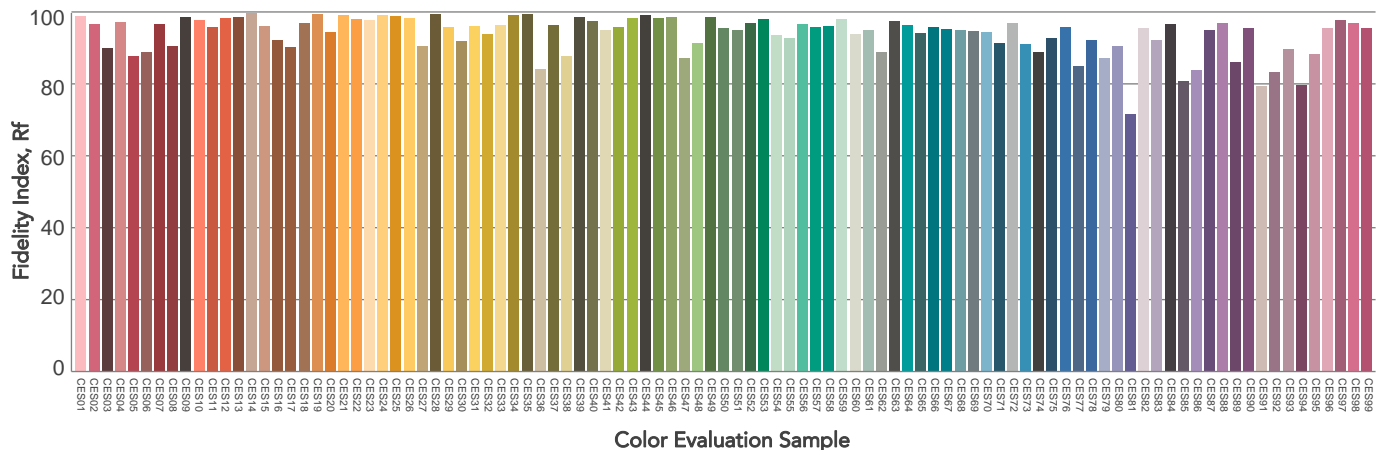
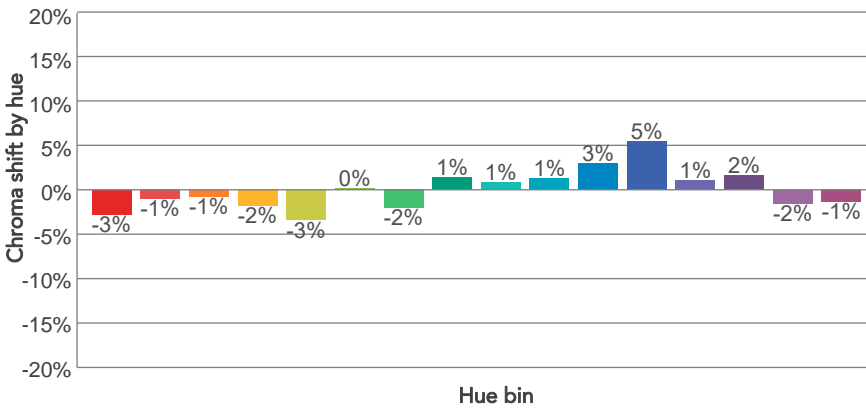
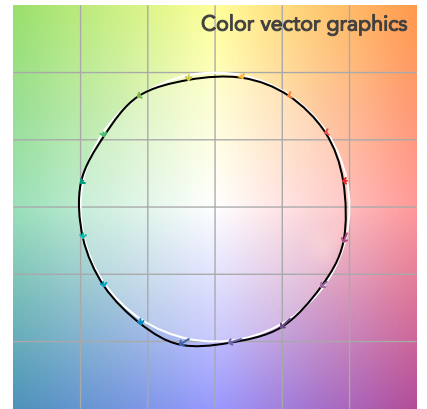
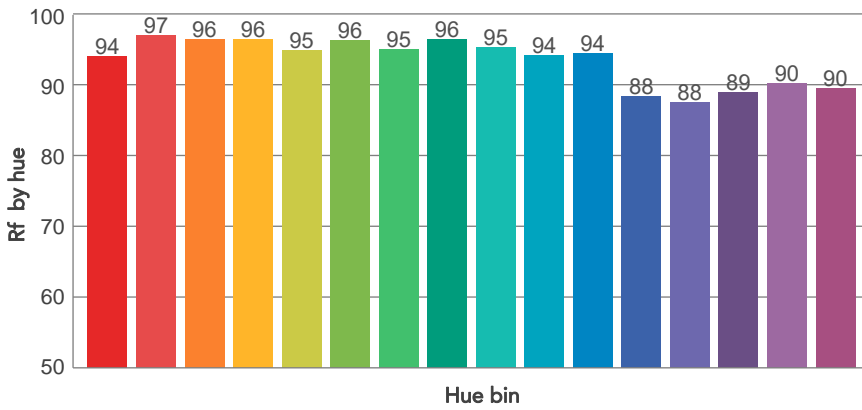
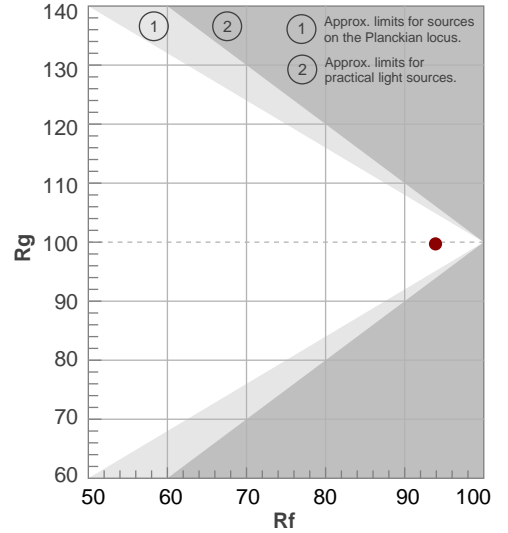
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 3269 K | 97,7 | 83,7 | 93,9 | 99,7 | 95,7 | 88 | 0,420 | 0,398 | 0,0003 |

TM30 DETAILS

Rf 93,9
Fidelity index Rf

Rg 99,7
Gammut index

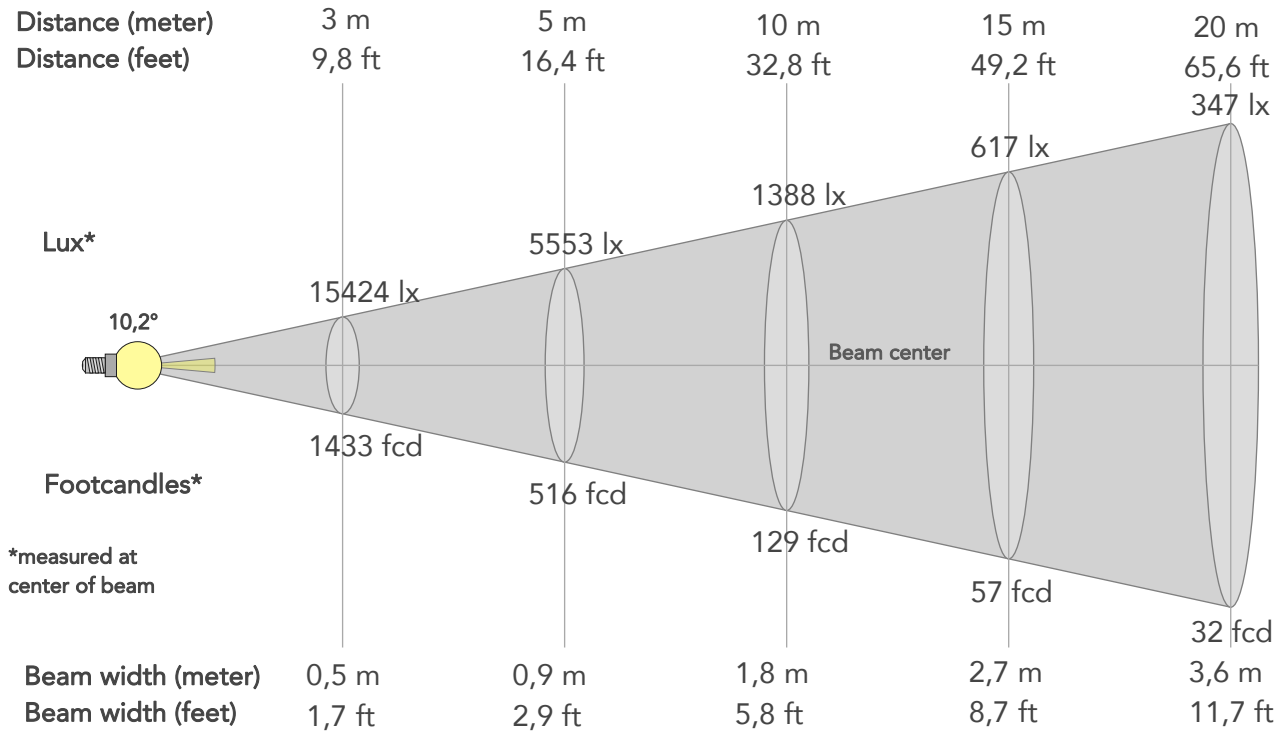
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 94 | -3% | 0% |
| 2 | 97 | -1% | 0% |
| 3 | 96 | -1% | 1% |
| 4 | 96 | -2% | -1% |
| 5 | 95 | -3% | 1% |
| 6 | 96 | 0% | 2% |
| 7 | 95 | -2% | 2% |
| 8 | 96 | 1% | 2% |
| 9 | 95 | 1% | 3% |
| 10 | 94 | 1% | 3% |
| 11 | 94 | 3% | 3% |
| 12 | 88 | 5% | -6% |
| 13 | 88 | 1% | -10% |
| 14 | 89 | 2% | -9% |
| 15 | 90 | -2% | -5% |
| 16 | 90 | -1% | -7% |



BEAM DETAILS



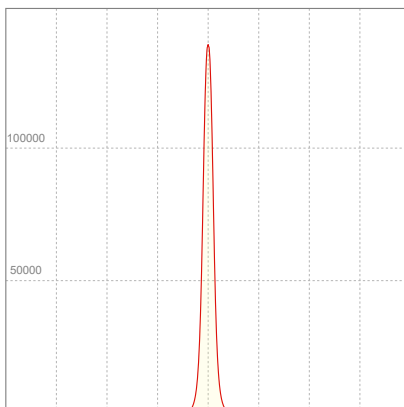
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,2° | 18,8° | 26,1° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 138816lx | 34704lx | 15424lx | 8676lx | 5553lx | 2468lx | 1388lx | 617lx | 347lx | 222lx | 154lx | 87lx | 56lx |
| Footcand. | 12896fcd | 3224fcd | 1433fcd | 806fcd | 516fcd | 229fcd | 129fcd | 57fcd | 32fcd | 21fcd | 14fcd | 8fcd | 5fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,7m | 3,6m | 4,4m | 5,3m | 7,1m | 8,9m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,4ft | 5,8ft | 8,7ft | 11,7ft | 14,6ft | 17,5ft | 23,3ft | 29,2ft |

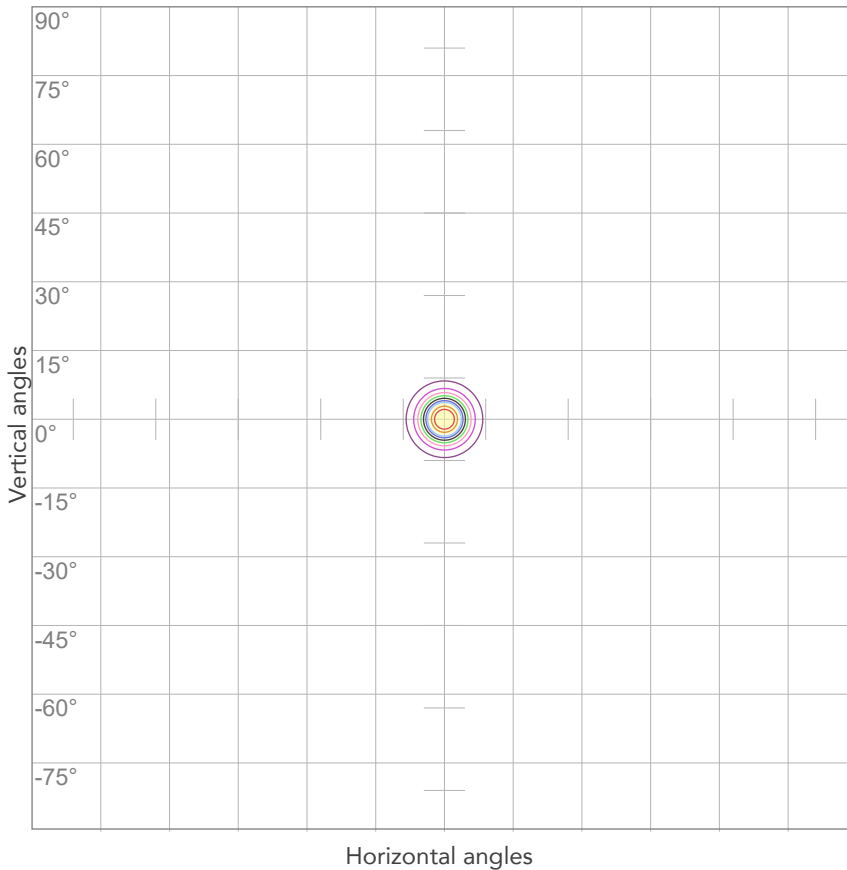
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 223V | 2,12A | 471,2W | 11lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|-----------|
| 10% | 13882 cd |
| 20% | 27763 cd |
| 30% | 41645 cd |
| 40% | 55526 cd |
| 50% | 69408 cd |
| 60% | 83289 cd |
| 70% | 97171 cd |
| 80% | 111053 cd |

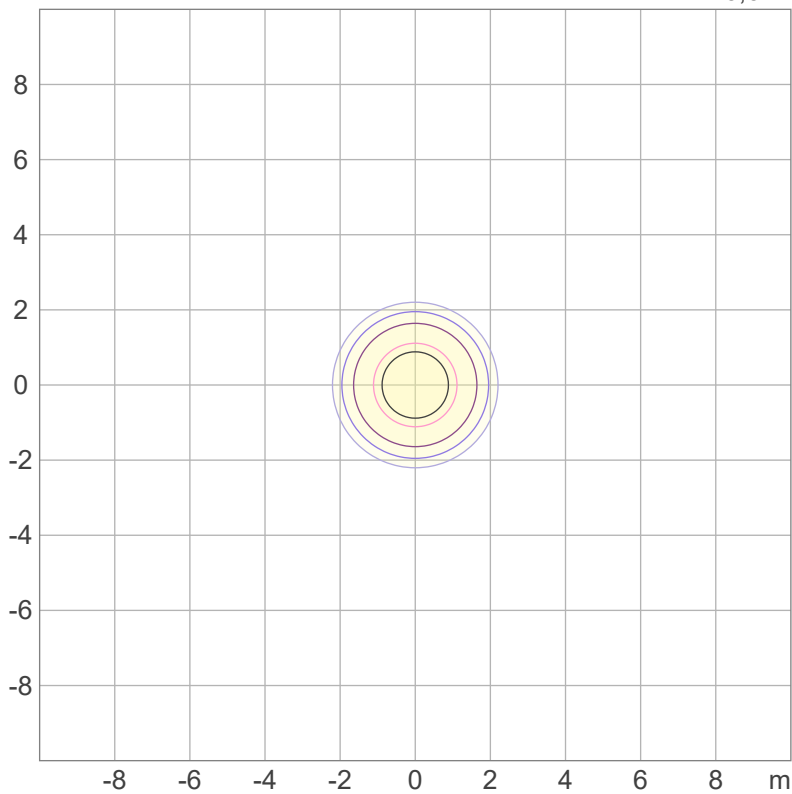
Conditions:

Number of c-planes: 2

Candela at center: 138816 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 41,6 lx |
| 5% | 69,4 lx |
| 10% | 139 lx |
| 30% | 416 lx |
| 50% | 694 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1388 lx

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



Total lumen output:

13814 lm

Peak candela output:

18288 cd

Light quality:

CRI: 97,8

Color temperature:

4028 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

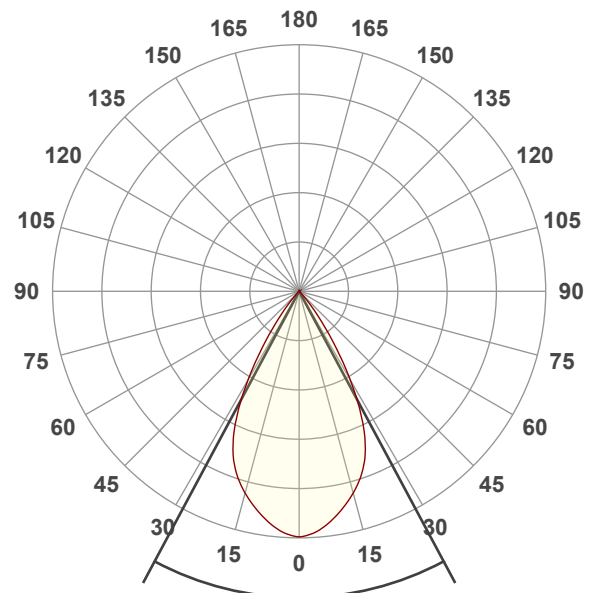
4000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:34:14

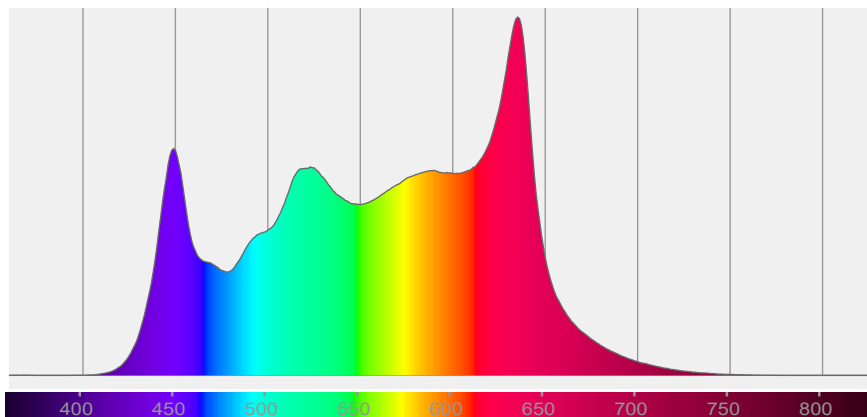


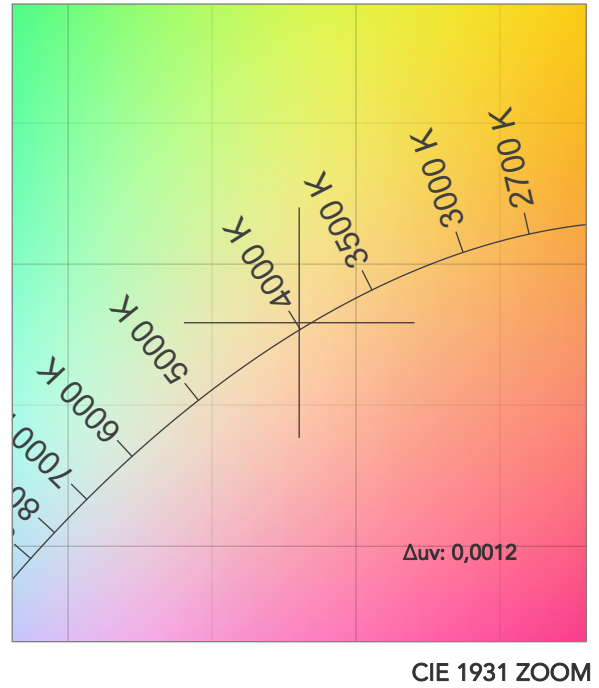
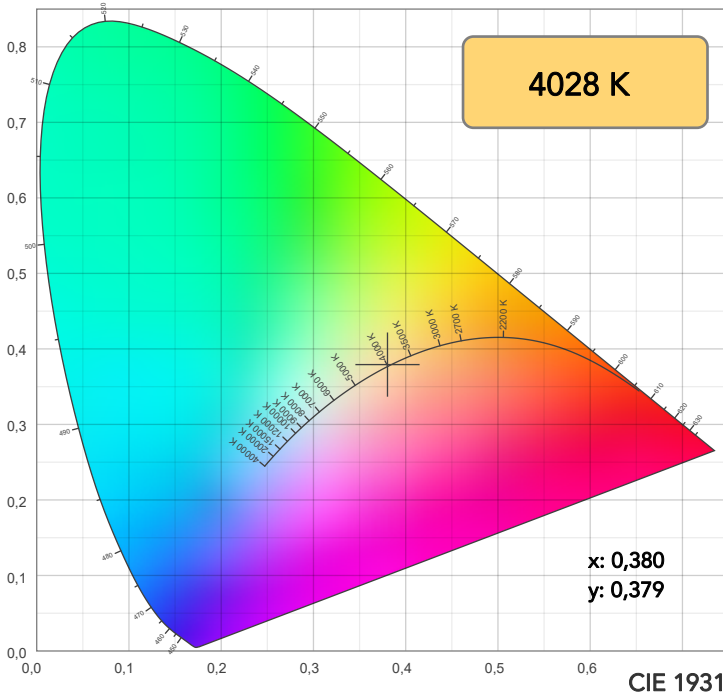
Beam angle 50%: 56,3°

Field angle 10%: 77,2°

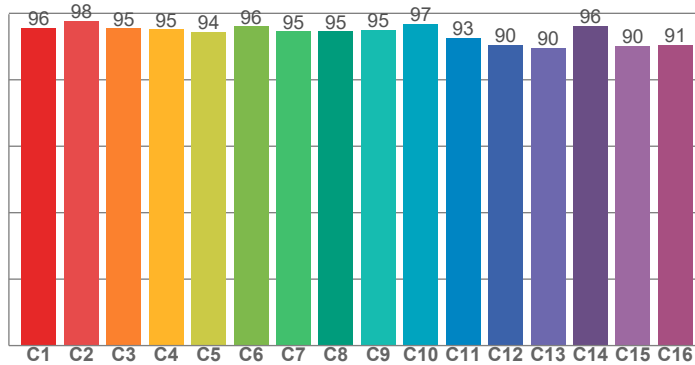
Cut off angle 2.5%: 85,9°

Spectra

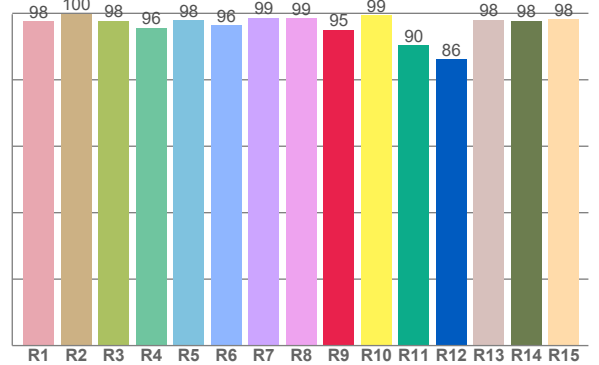




TM30: 94,3



CRI: 97,8 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,6 | 99,9 | 97,7 | 95,7 | 97,9 | 96,5 | 98,6 | 98,5 | 95,1 | 99,3 | 90,3 | 86,2 | 98,0 | 97,7 | 98,2 |

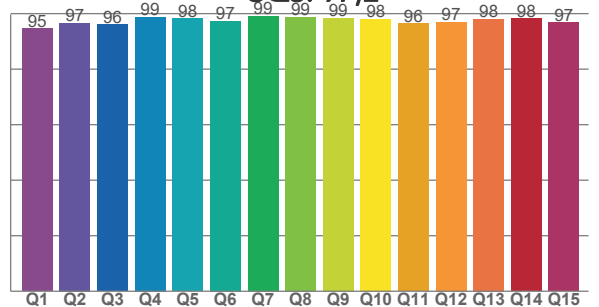
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,7 | 97,7 | 95,4 | 95,2 | 94,4 | 96,0 | 94,6 | 94,6 | 95,1 | 96,8 | 92,6 | 90,4 | 89,6 | 96,3 | 90,3 | 90,6 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,6 | 96,7 | 96,0 | 98,7 | 98,2 | 97,4 | 99,1 | 98,8 | 98,5 | 98,0 | 96,4 | 97,0 | 98,1 | 98,3 | 96,8 |

CQS: 97,2



COLOR PARAMETERS

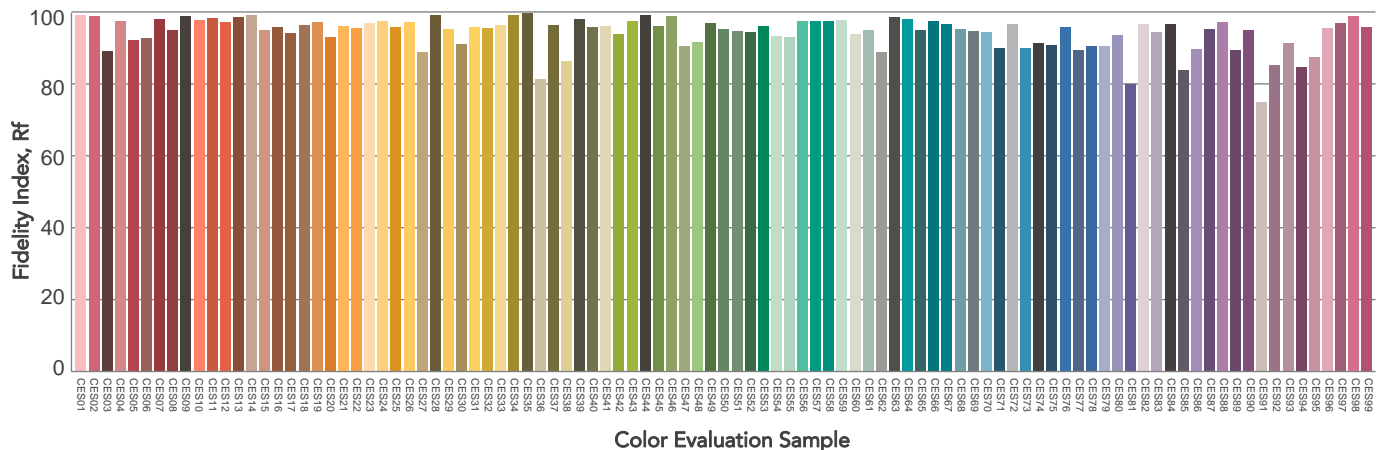
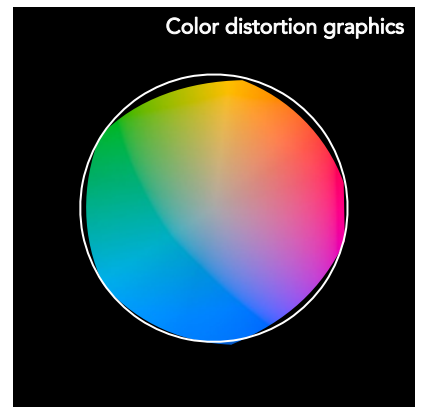
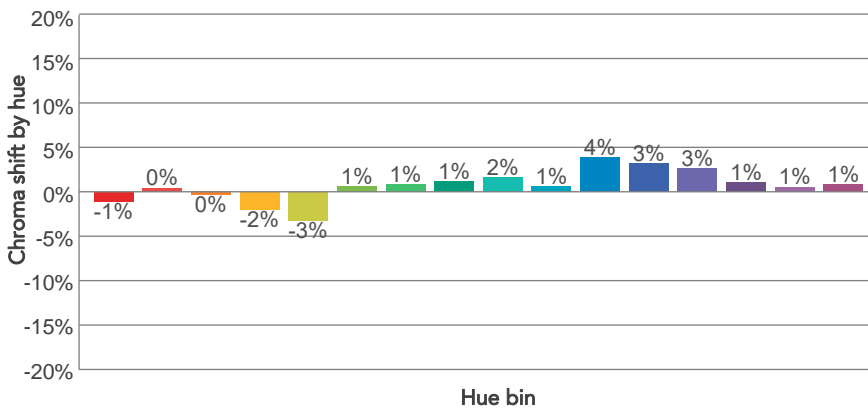
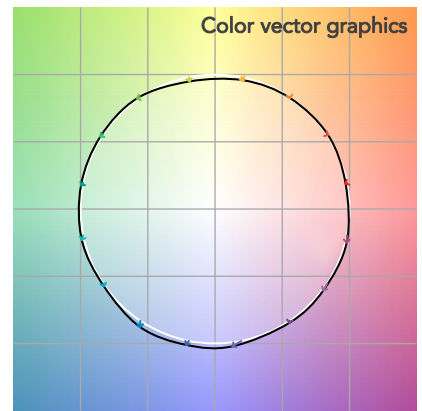
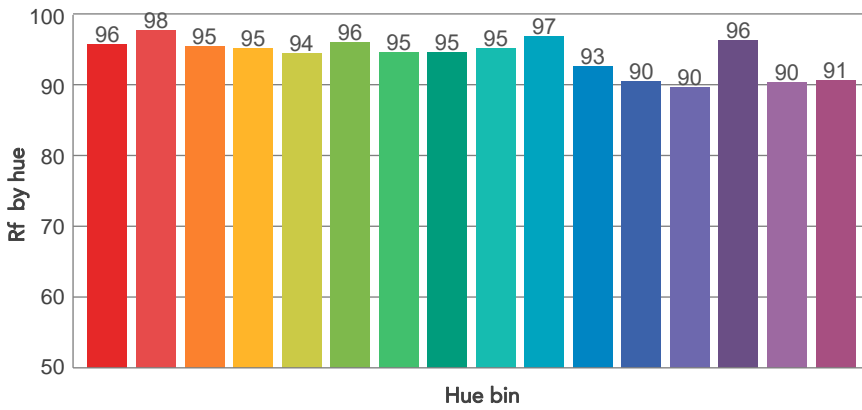
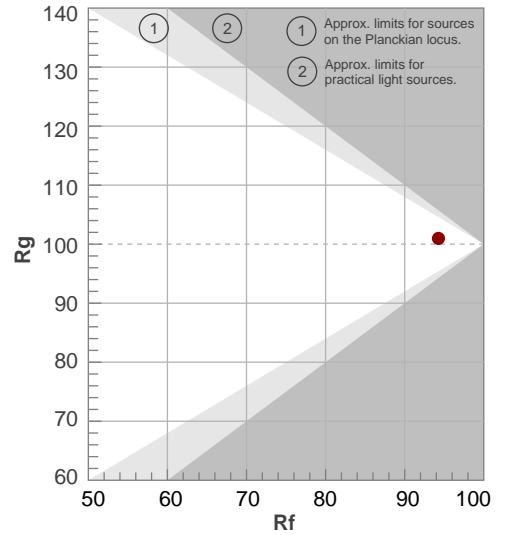
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 4028 K | 97,8 | 95,1 | 94,3 | 101,0 | 97,2 | 91 | 0,380 | 0,379 | 0,0012 |

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 101,0
Gammut index

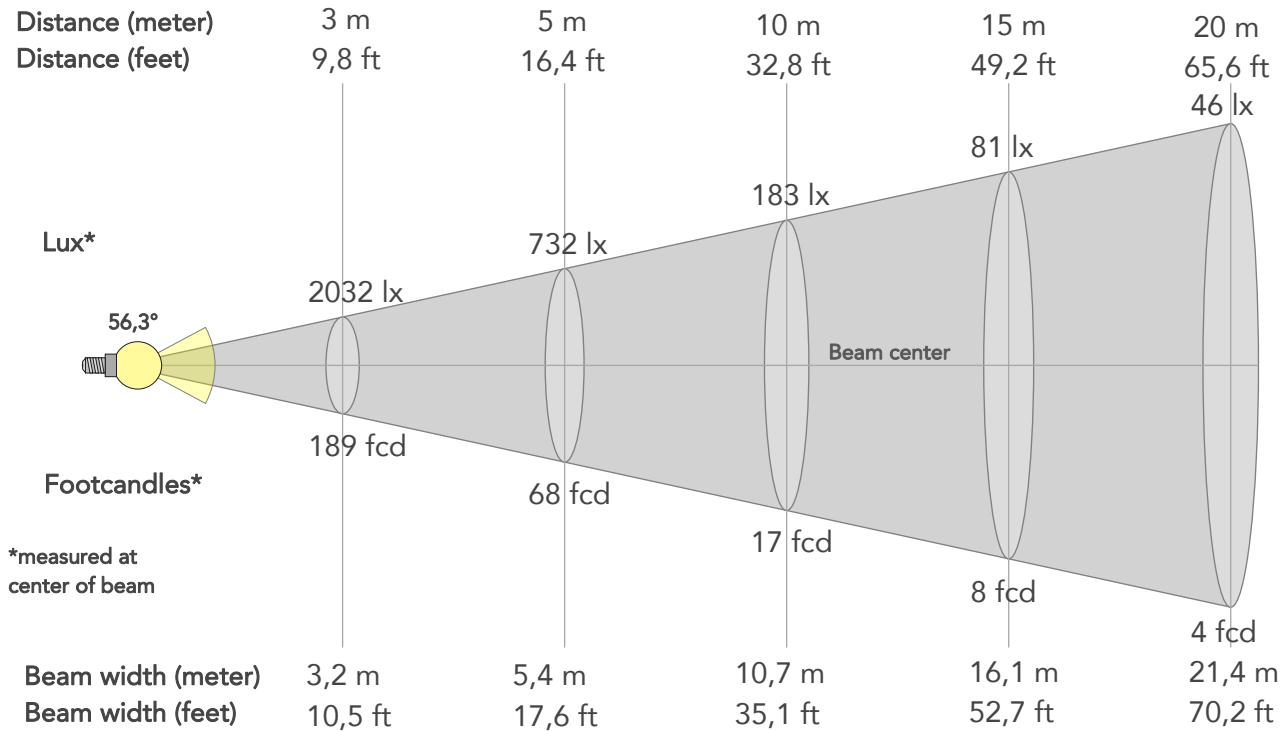
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 96 | -1% | 0% |
| 2 | 98 | 0% | -1% |
| 3 | 95 | 0% | 0% |
| 4 | 95 | -2% | -2% |
| 5 | 94 | -3% | 0% |
| 6 | 96 | 1% | 3% |
| 7 | 95 | 1% | 3% |
| 8 | 95 | 1% | 2% |
| 9 | 95 | 2% | 3% |
| 10 | 97 | 1% | 2% |
| 11 | 93 | 4% | 2% |
| 12 | 90 | 3% | -1% |
| 13 | 90 | 3% | -7% |
| 14 | 96 | 1% | -1% |
| 15 | 90 | 1% | -6% |
| 16 | 91 | 1% | -5% |



BEAM DETAILS



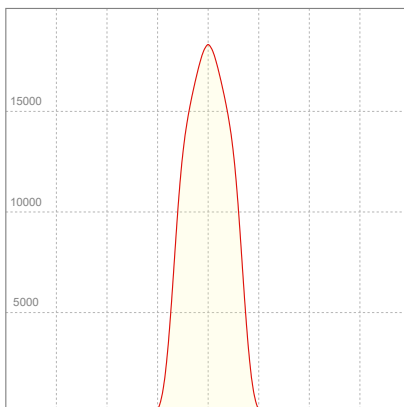
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,3° | 77,2° | 85,9° | 100,0% | 99,7% |



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 | 18288lx | 4572lx | 2032lx | 1143lx | 732lx | 325lx | 183lx | 81lx | 46lx | 29lx | 20lx | 11lx | 7lx |
| Footcand. | 1699fcd | 425fcd | 189fcd | 106fcd | 68fcd | 30fcd | 17fcd | 8fcd | 4fcd | 3fcd | 2fcd | 1fcd | 1fcd |
| Beam wid. | 1,1m | 2,1m | 3,2m | 4,3m | 5,4m | 8m | 10,7m | 16,1m | 21,4m | 26,8m | 32,1m | 42,8m | 53,5m |
| Beam wid. | 3,5ft | 7,1ft | 10,5ft | 14ft | 17,6ft | 26,3ft | 35,1ft | 52,7ft | 70,2ft | 87,8ft | 105,3ft | 140,4ft | 175,5ft |

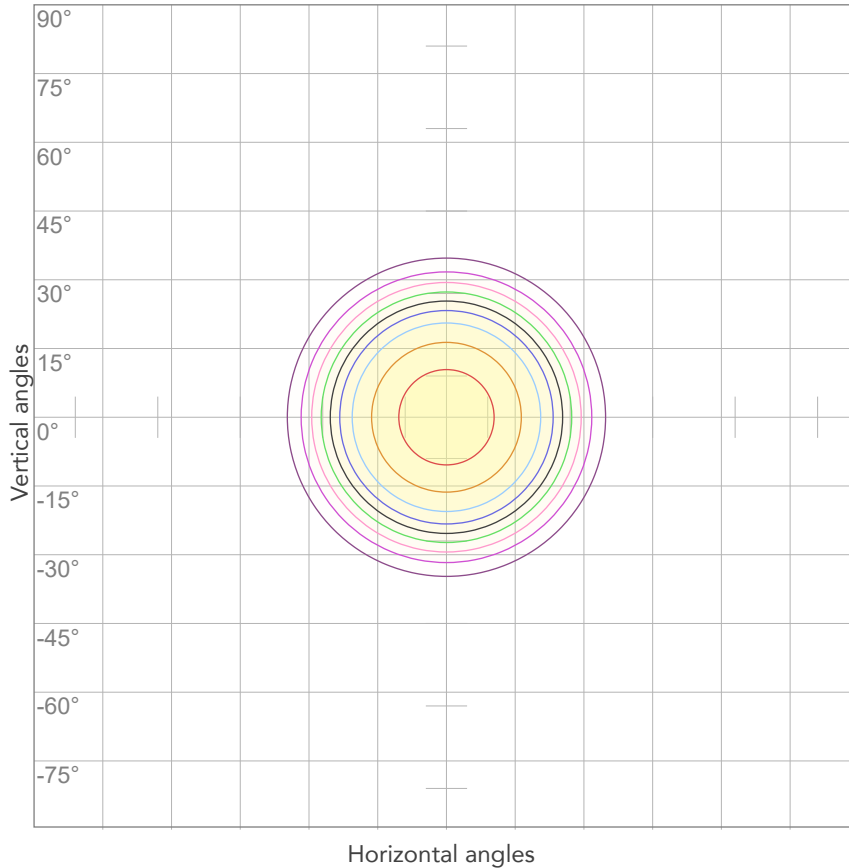
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 226V | 2,43A | 546,5W | 25lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 1829 cd |
| 20% | 3658 cd |
| 30% | 5486 cd |
| 40% | 7315 cd |
| 50% | 9144 cd |
| 60% | 10973 cd |
| 70% | 12802 cd |
| 80% | 14631 cd |

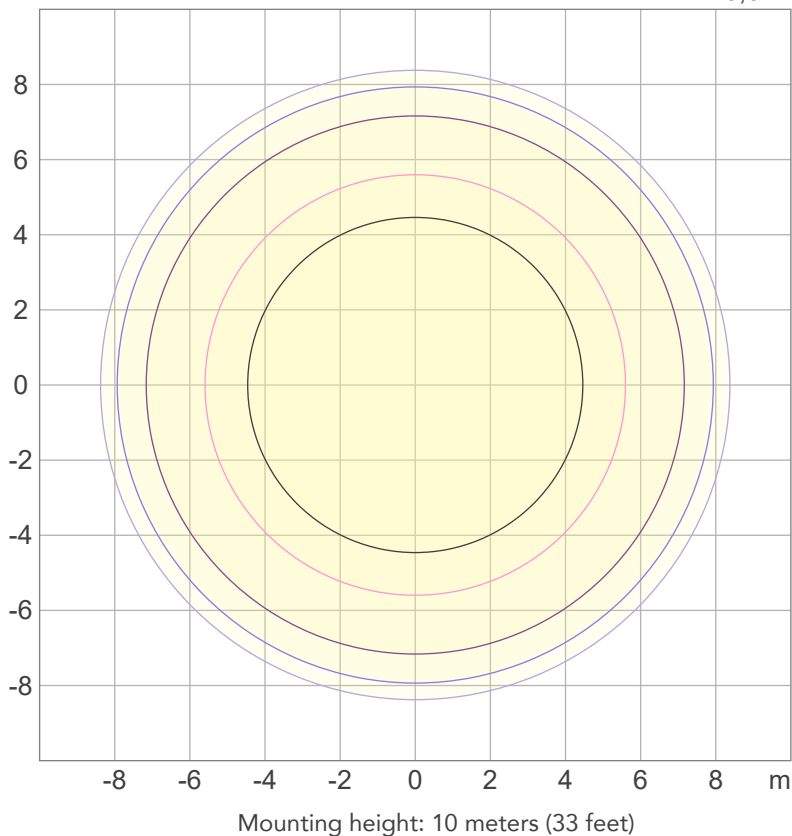
Conditions:

Number of c-planes: 2

Candela at center: 18288 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 5,49 lx |
| 5% | 9,14 lx |
| 10% | 18,3 lx |
| 30% | 54,9 lx |
| 50% | 91,4 lx |

Conditions:

Number of c-planes: 2

Lux at center: 183 lx

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



Total lumen output:

10847 lm

Peak candela output:

58206 cd

Light quality:

CRI: 97,9

Color temperature:

4102 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

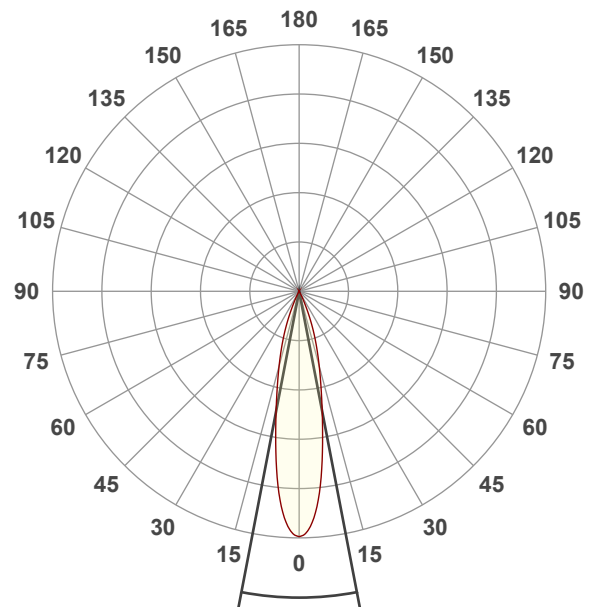
4000K - HQ

Operator:

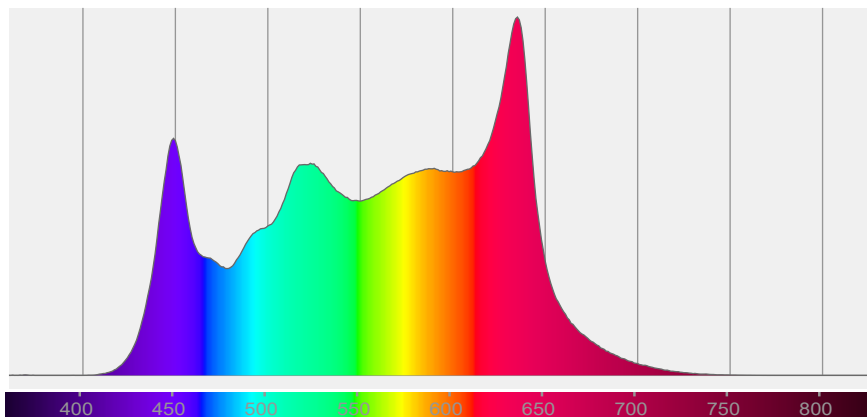
Salvatore Giglio

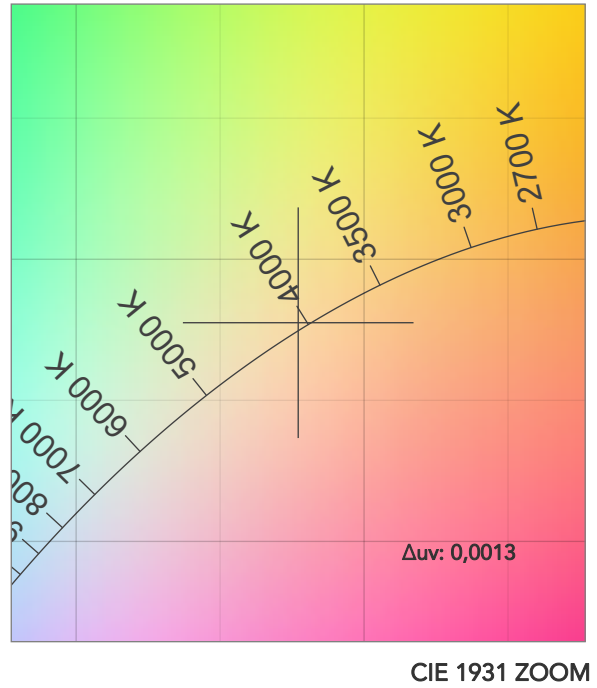
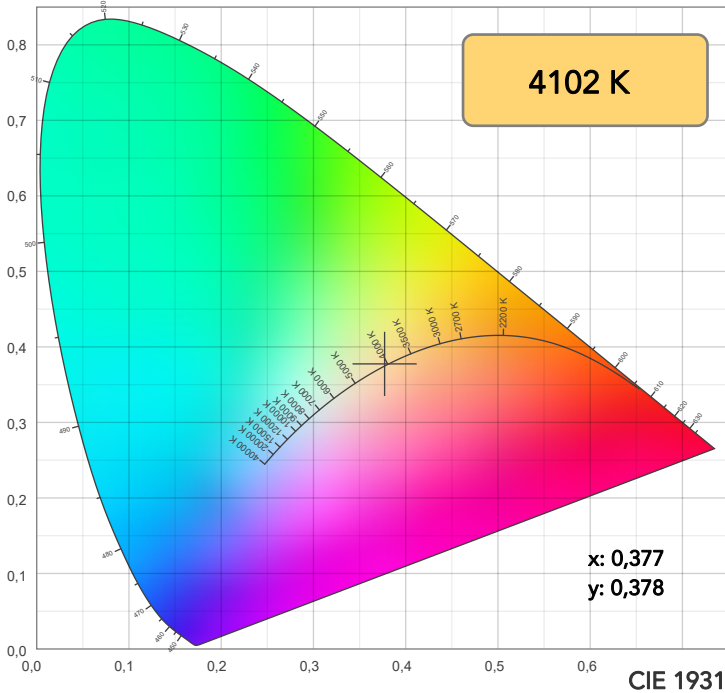
Date and time:

21/09/2023 13:31:35

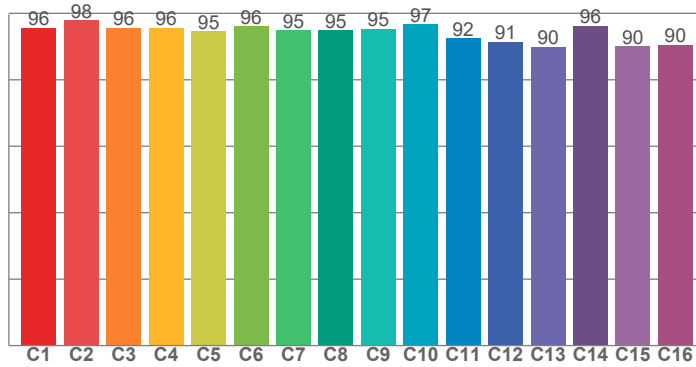


Spectra

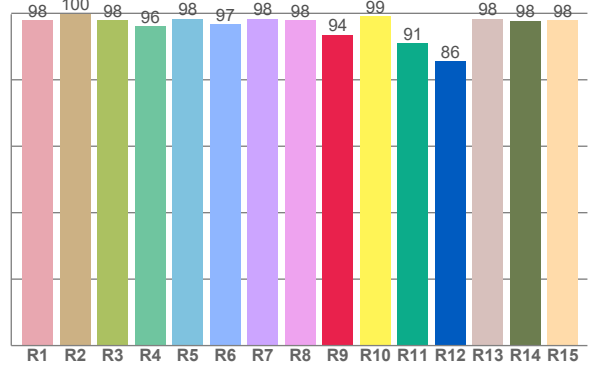




TM30: 94,3



CRI: 97,9 (R1-R8)



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

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,9 | 99,8 | 97,8 | 96,1 | 98,3 | 96,7 | 98,4 | 97,9 | 93,5 | 99,2 | 90,9 | 85,6 | 98,4 | 97,8 | 97,9 |

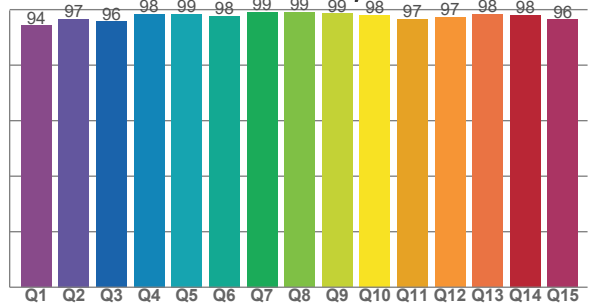
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,6 | 97,9 | 95,6 | 95,6 | 94,6 | 96,1 | 94,8 | 94,9 | 95,3 | 96,7 | 92,4 | 91,4 | 89,9 | 96,2 | 90,1 | 90,4 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 94,2 | 96,6 | 95,7 | 98,4 | 98,5 | 97,7 | 99,1 | 99,0 | 98,6 | 98,1 | 96,7 | 97,2 | 98,3 | 98,1 | 96,5 |

CQS: 97,2



COLOR PARAMETERS

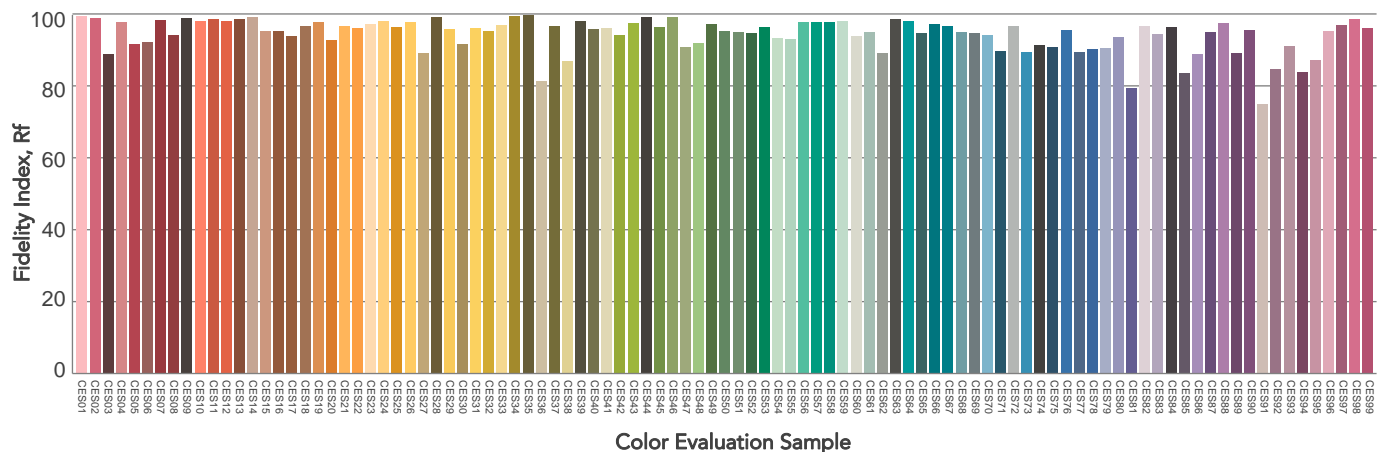
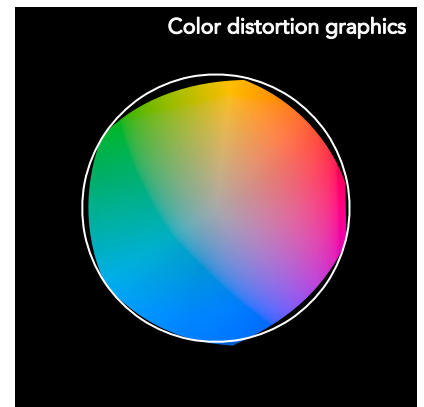
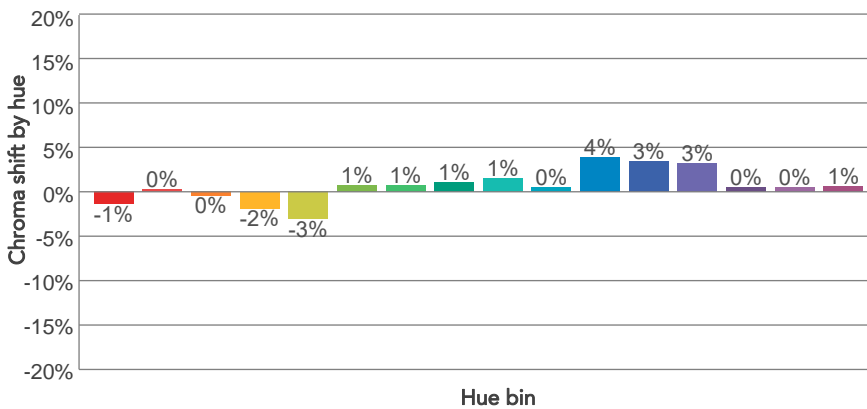
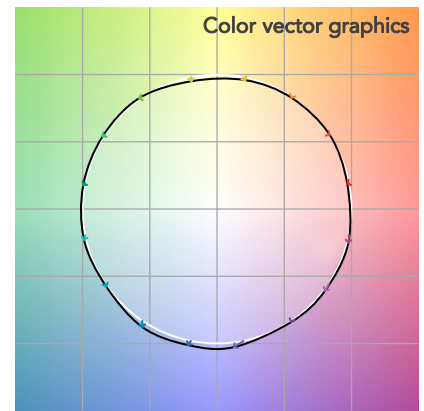
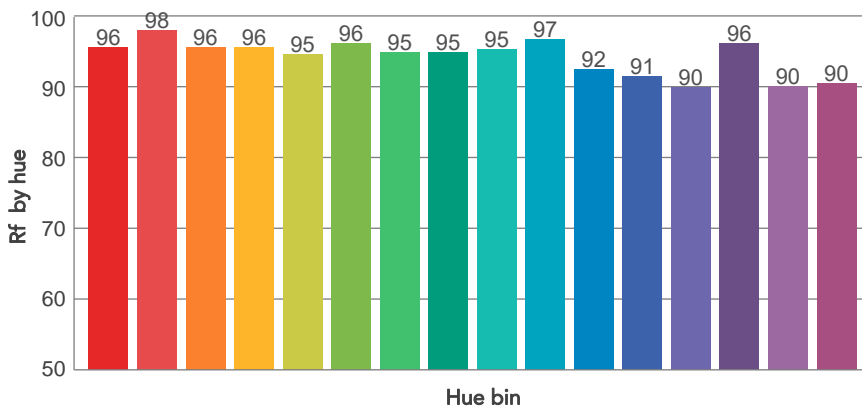
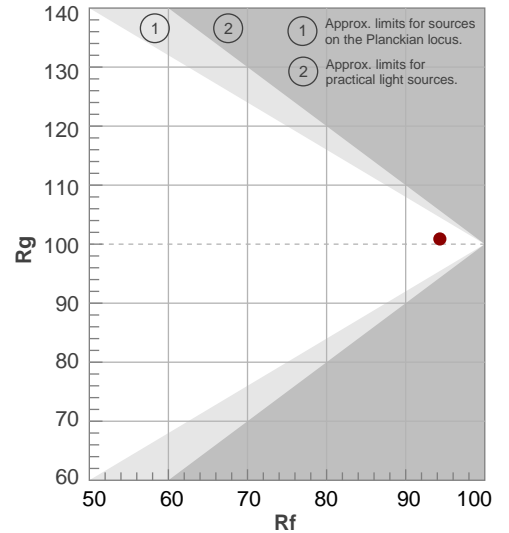
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 4102 K | 97,9 | 93,5 | 94,3 | 100,9 | 97,2 | 90 | 0,377 | 0,378 | 0,0013 |

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 100,9
Gammut index

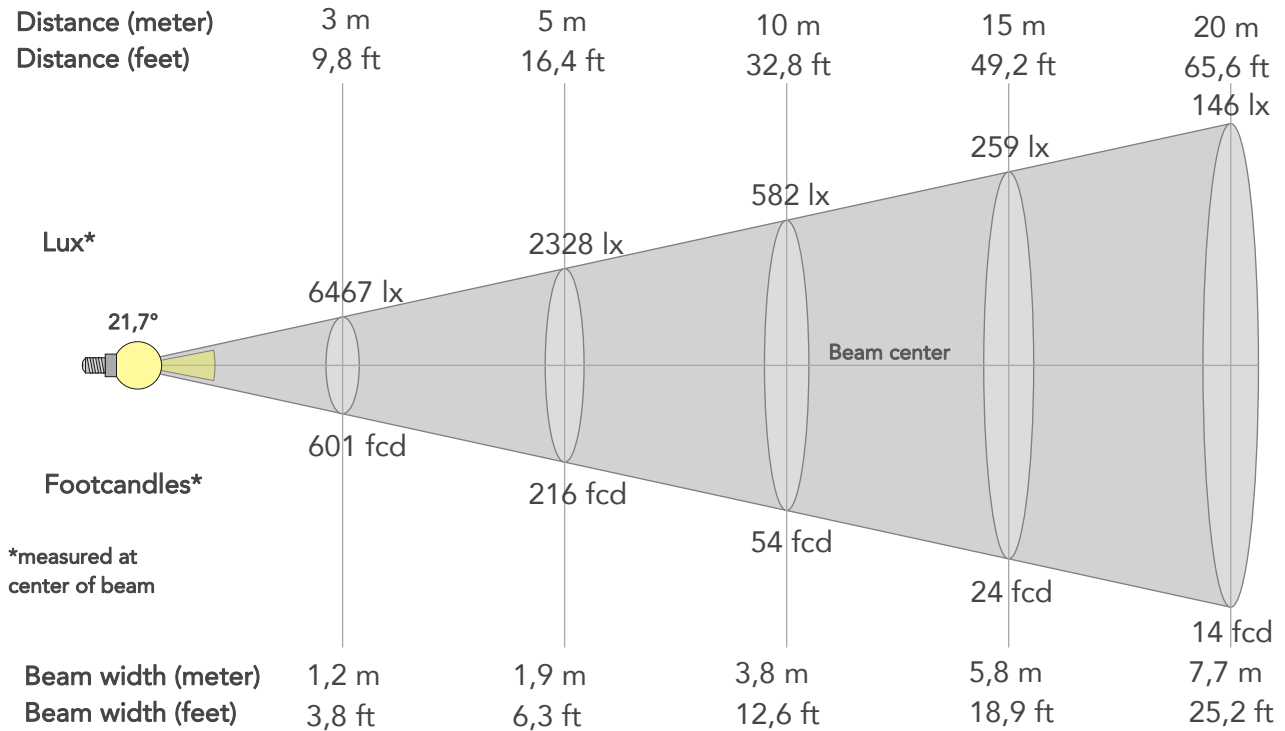
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 96 | -1% | 0% |
| 2 | 98 | 0% | -1% |
| 3 | 96 | 0% | 0% |
| 4 | 96 | -2% | -2% |
| 5 | 95 | -3% | 0% |
| 6 | 96 | 1% | 2% |
| 7 | 95 | 1% | 2% |
| 8 | 95 | 1% | 2% |
| 9 | 95 | 1% | 3% |
| 10 | 97 | 0% | 2% |
| 11 | 92 | 4% | 3% |
| 12 | 91 | 3% | -2% |
| 13 | 90 | 3% | -8% |
| 14 | 96 | 0% | -1% |
| 15 | 90 | 0% | -6% |
| 16 | 90 | 1% | -6% |



BEAM DETAILS



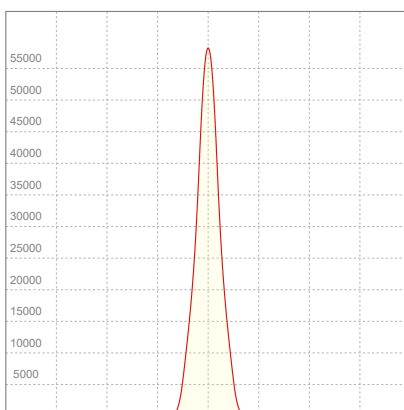
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,7° | 44,9° | 53,7° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 5820lx | 14551lx | 6467lx | 3638lx | 2328lx | 1035lx | 582lx | 259lx | 146lx | 93lx | 65lx | 36lx | 23lx |
| Footcand. | 5408fcd | 1352fcd | 601fcd | 338fcd | 216fcd | 96fcd | 54fcd | 24fcd | 14fcd | 9fcd | 6fcd | 3fcd | 2fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,5m | 1,9m | 2,9m | 3,8m | 5,8m | 7,7m | 9,6m | 11,5m | 15,4m | 19,2m |
| Beam wid. | 1,3ft | 2,5ft | 3,8ft | 5ft | 6,3ft | 9,4ft | 12,6ft | 18,9ft | 25,2ft | 31,5ft | 37,8ft | 50,4ft | 62,9ft |

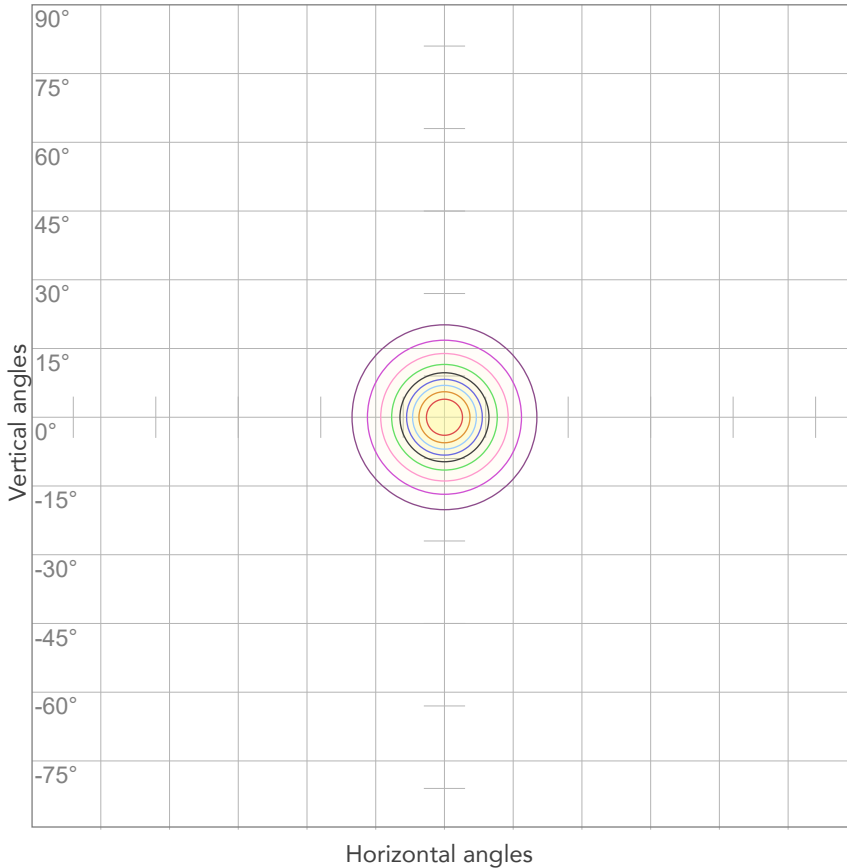
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 226V | 2,38A | 535,1W | 20lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 5821 cd |
| 20% | 11641 cd |
| 30% | 17462 cd |
| 40% | 23282 cd |
| 50% | 29103 cd |
| 60% | 34924 cd |
| 70% | 40744 cd |
| 80% | 46565 cd |

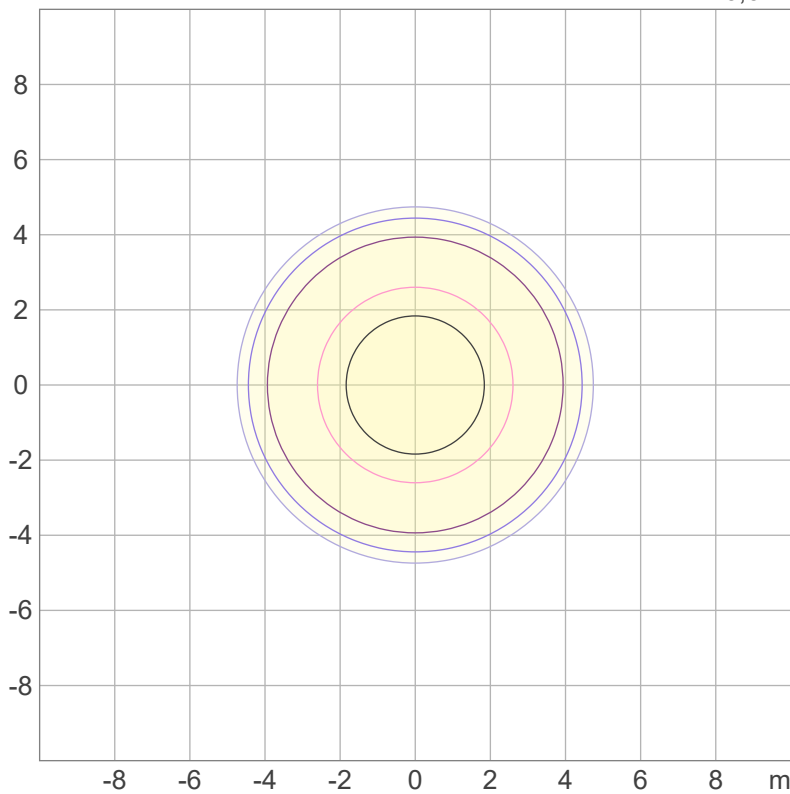
Conditions:

Number of c-planes: 2

Candela at center: 58206 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 17,5 lx |
| 5% | 29,1 lx |
| 10% | 58,2 lx |
| 30% | 175 lx |
| 50% | 291 lx |

Conditions:

Number of c-planes: 2

Lux at center: 582 lx

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



Total lumen output:

5859 lm

Peak candela output:

152128 cd

Light quality:

CRI: 98,0

Color temperature:

4096 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

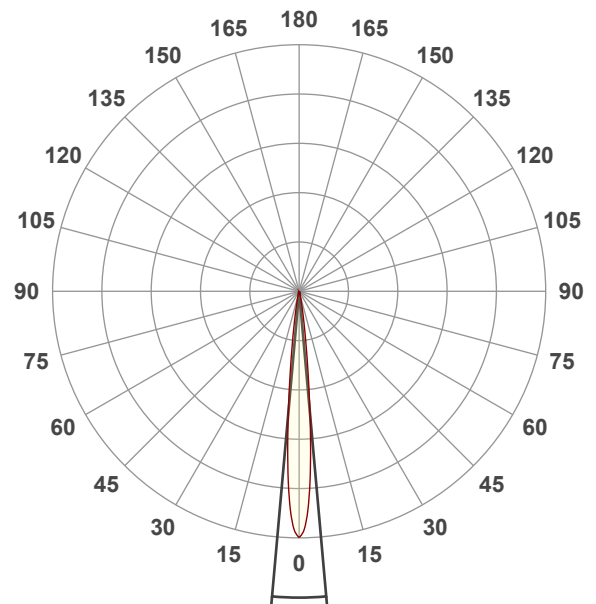
4000K - HQ

Operator:

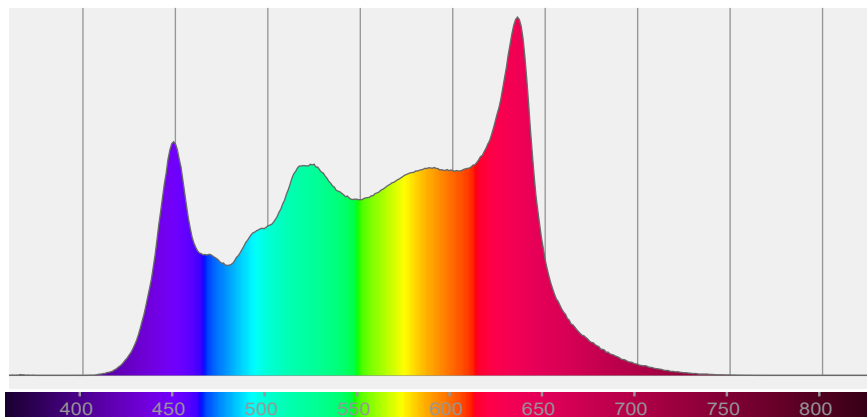
Salvatore Giglio

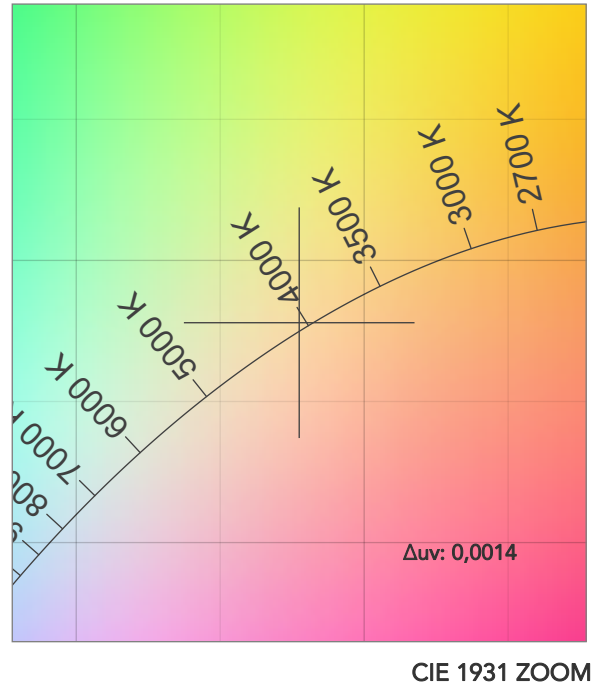
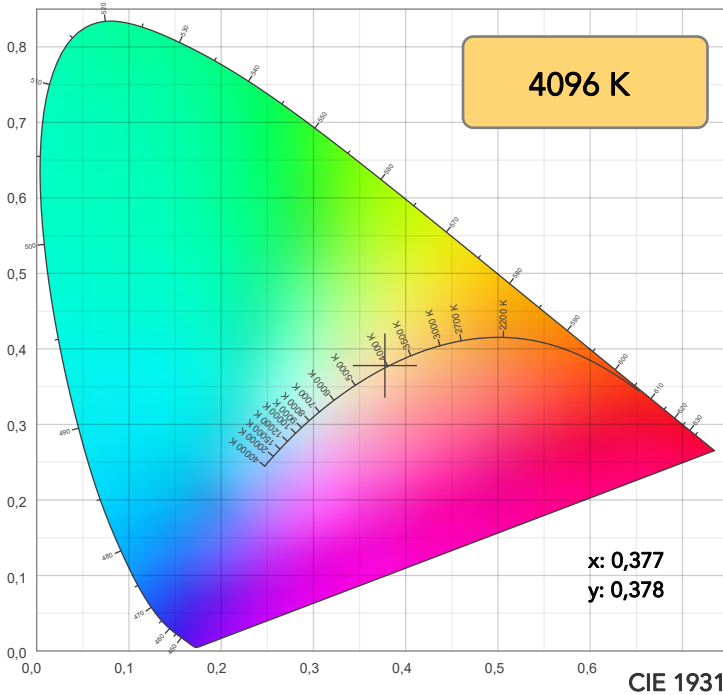
Date and time:

21/09/2023 12:39:51

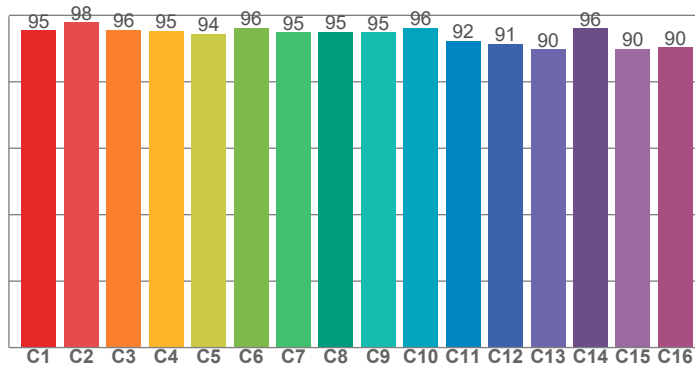


Spectra

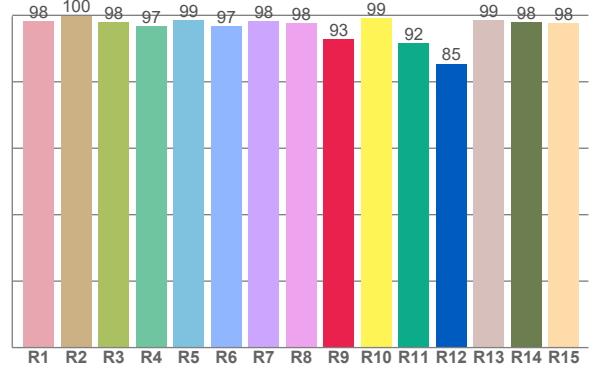




TM30: 94,2



CRI: 98,0 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,2 | 99,8 | 98,0 | 96,7 | 98,5 | 96,7 | 98,2 | 97,5 | 92,9 | 99,1 | 91,7 | 85,4 | 98,5 | 97,9 | 97,7 |

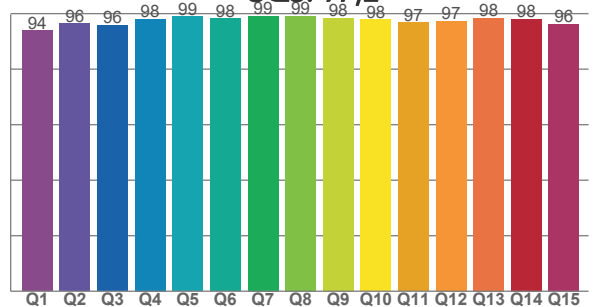
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,5 | 97,9 | 95,6 | 95,3 | 94,4 | 96,3 | 94,9 | 95,0 | 94,9 | 96,2 | 92,3 | 91,4 | 89,8 | 96,1 | 89,9 | 90,4 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 93,9 | 96,5 | 95,8 | 98,1 | 99,0 | 98,2 | 99,2 | 99,1 | 98,4 | 97,9 | 96,8 | 97,4 | 98,4 | 98,0 | 96,3 |

CQS: 97,2



COLOR PARAMETERS

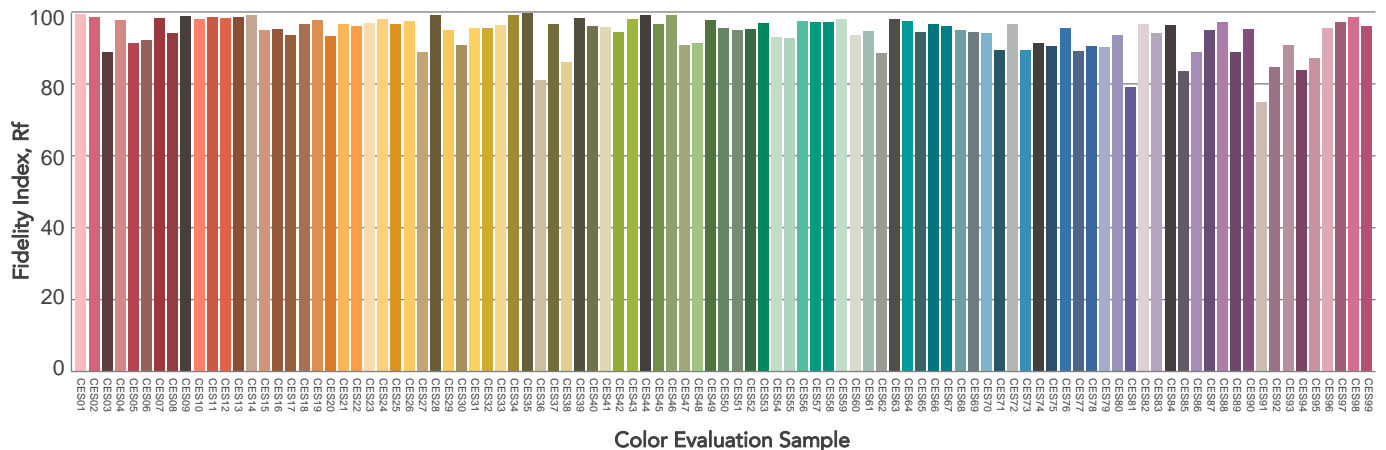
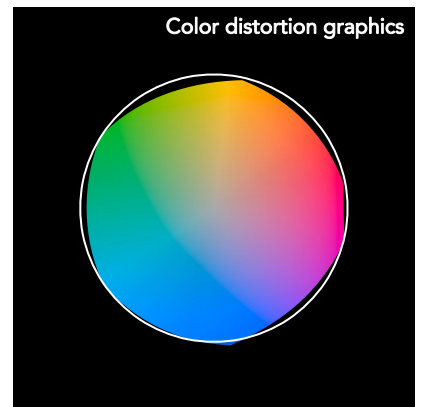
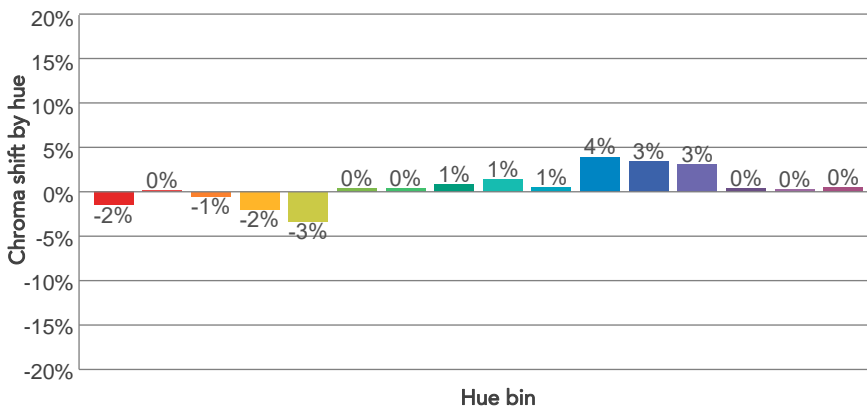
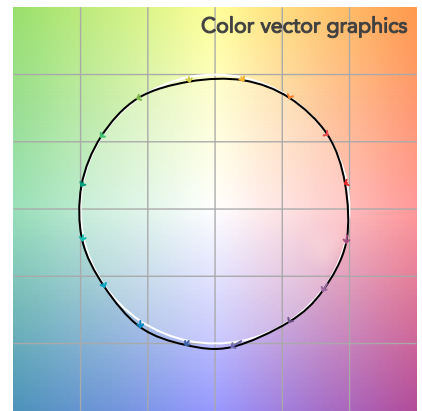
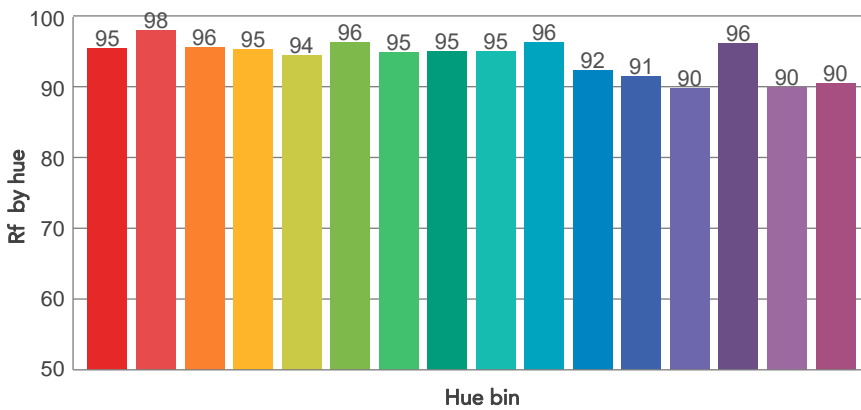
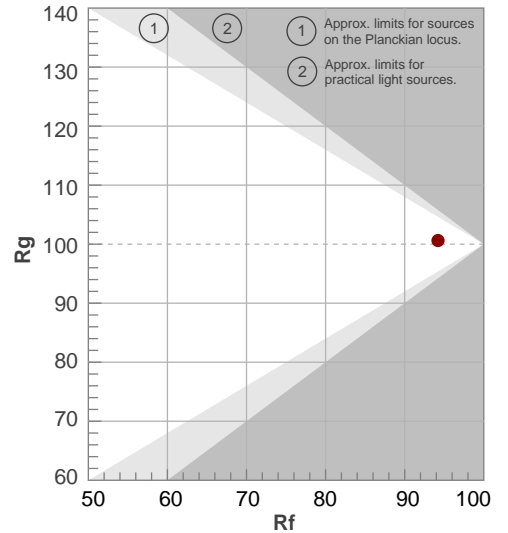
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 4096 K | 98,0 | 92,9 | 94,2 | 100,6 | 97,2 | 90 | 0,377 | 0,378 | 0,0014 |

TM30 DETAILS

Rf 94,2
Fidelity index Rf

Rg 100,6
Gammut index

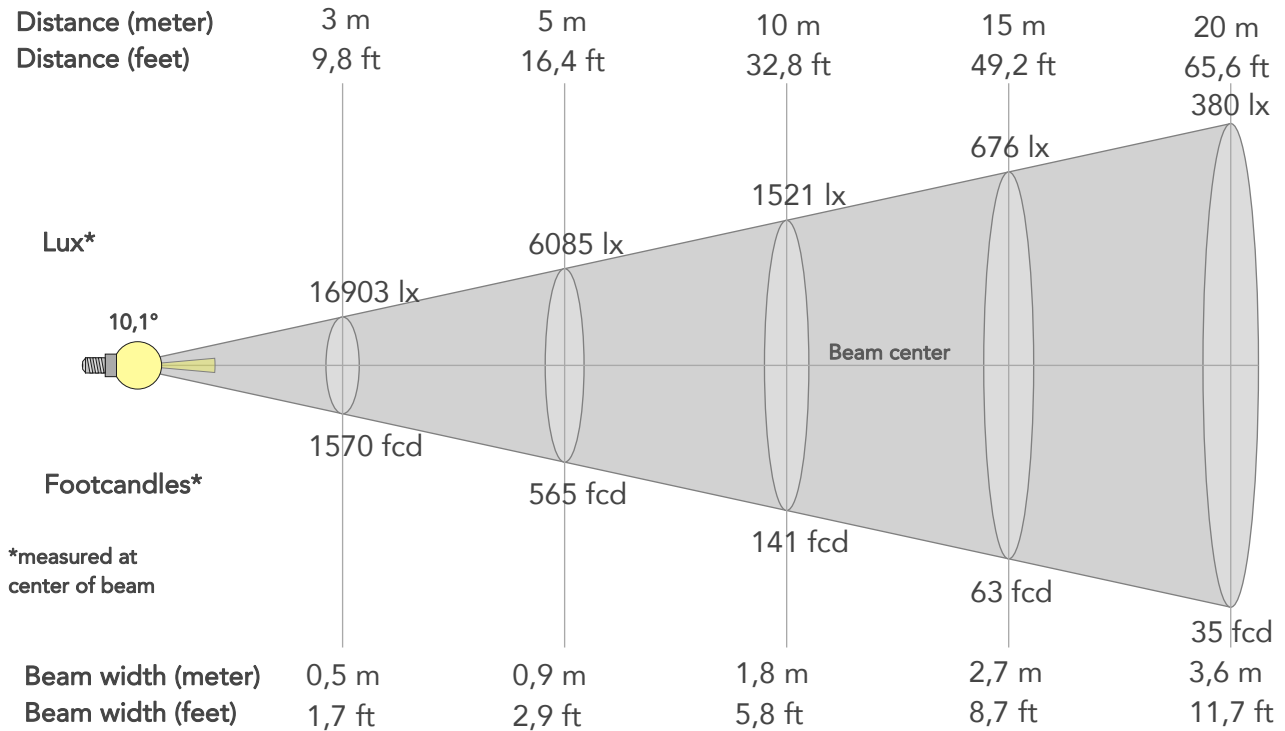
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -2% | 0% |
| 2 | 98 | 0% | -1% |
| 3 | 96 | -1% | 0% |
| 4 | 95 | -2% | -2% |
| 5 | 94 | -3% | 0% |
| 6 | 96 | 0% | 2% |
| 7 | 95 | 0% | 2% |
| 8 | 95 | 1% | 2% |
| 9 | 95 | 1% | 4% |
| 10 | 96 | 1% | 2% |
| 11 | 92 | 4% | 3% |
| 12 | 91 | 3% | -2% |
| 13 | 90 | 3% | -8% |
| 14 | 96 | 0% | -1% |
| 15 | 90 | 0% | -6% |
| 16 | 90 | 0% | -5% |



BEAM DETAILS



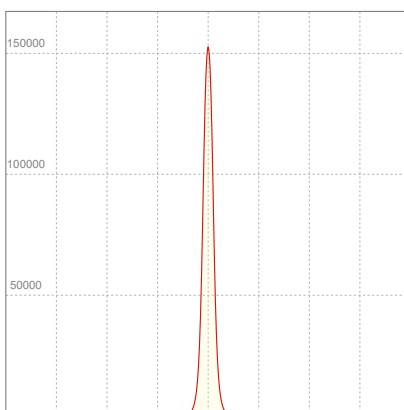
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,1° | 18,8° | 26,3° | 100,0% | 100,0% |



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 | 152128lx | 38032lx | 16903lx | 9508lx | 6085lx | 2704lx | 1521lx | 676lx | 380lx | 243lx | 169lx | 95lx | 61lx |
| Footcand. | 14133fcd | 3533fcd | 1570fcd | 883fcd | 565fcd | 251fcd | 141fcd | 63fcd | 35fcd | 23fcd | 16fcd | 9fcd | 6fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,7m | 3,6m | 4,4m | 5,3m | 7,1m | 8,9m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,4ft | 5,8ft | 8,7ft | 11,7ft | 14,6ft | 17,5ft | 23,3ft | 29,1ft |

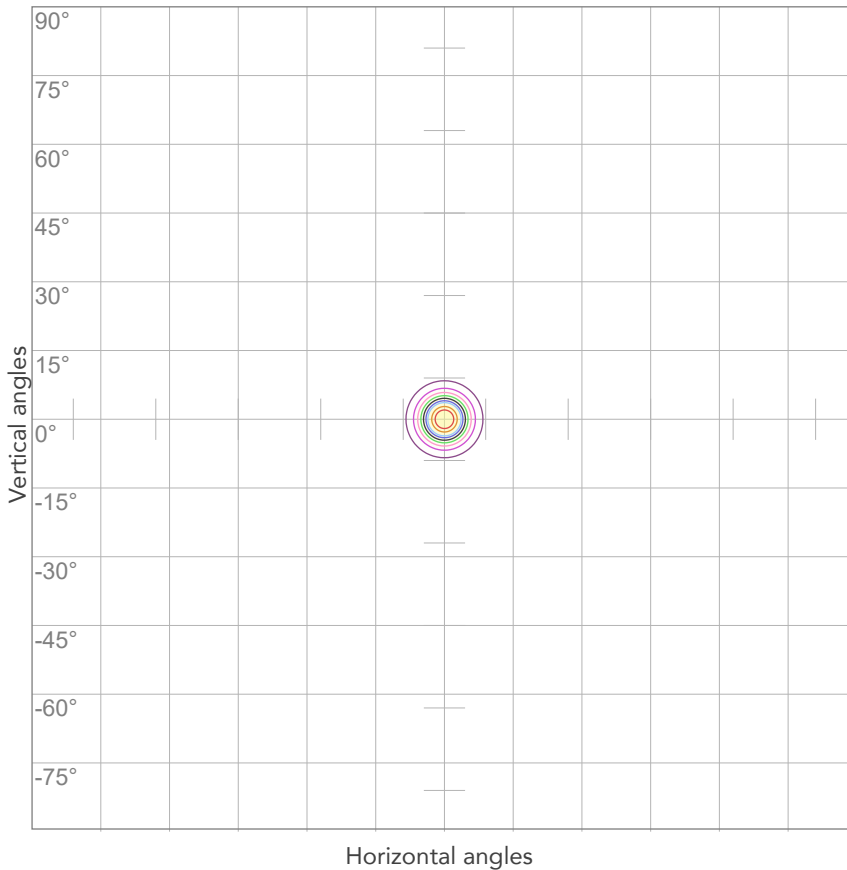
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 223V | 2,41A | 536,9W | 11lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|-----------|
| 10% | 15213 cd |
| 20% | 30426 cd |
| 30% | 45638 cd |
| 40% | 60851 cd |
| 50% | 76064 cd |
| 60% | 91277 cd |
| 70% | 106489 cd |
| 80% | 121702 cd |

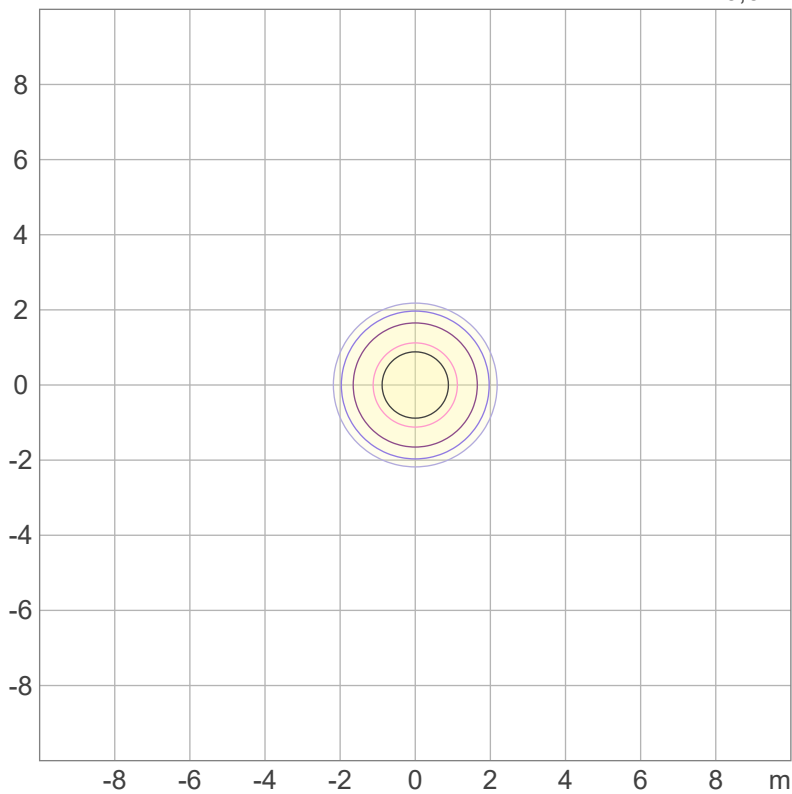
Conditions:

Number of c-planes: 2

Candela at center: 152128 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 45,6 lx |
| 5% | 76,1 lx |
| 10% | 152 lx |
| 30% | 456 lx |
| 50% | 761 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1521 lx

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



Total lumen output:

8696 lm

Peak candela output:

11522 cd

Light quality:

CRI: 97,5

Color temperature:

5619 K

PRODUCT NAME:
ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

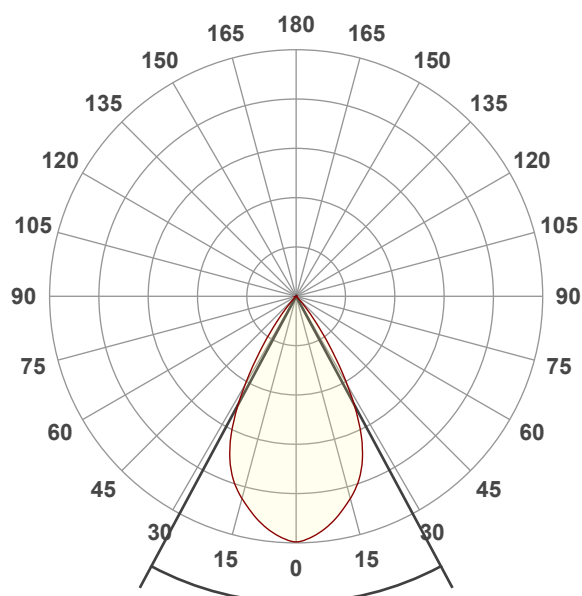
5600K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:28:27

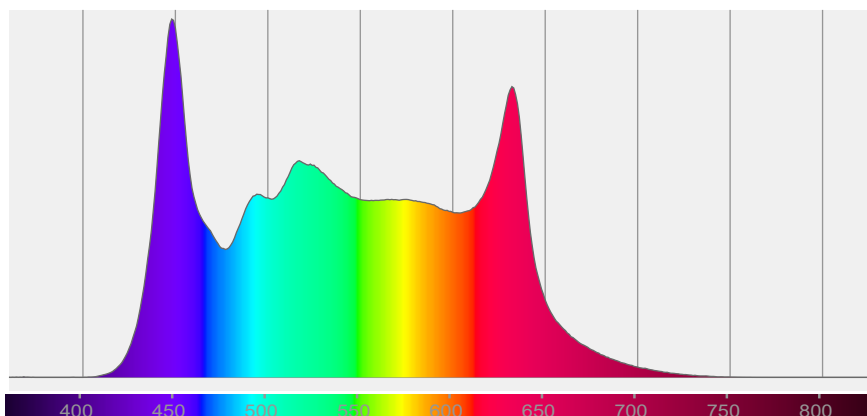


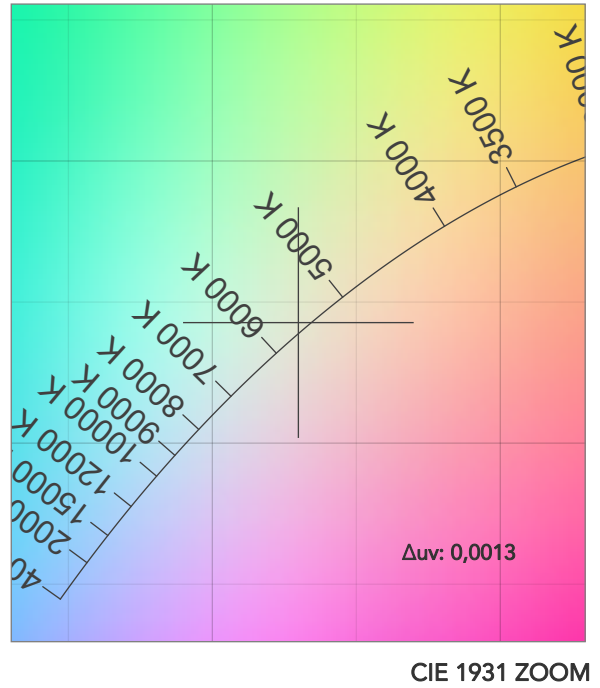
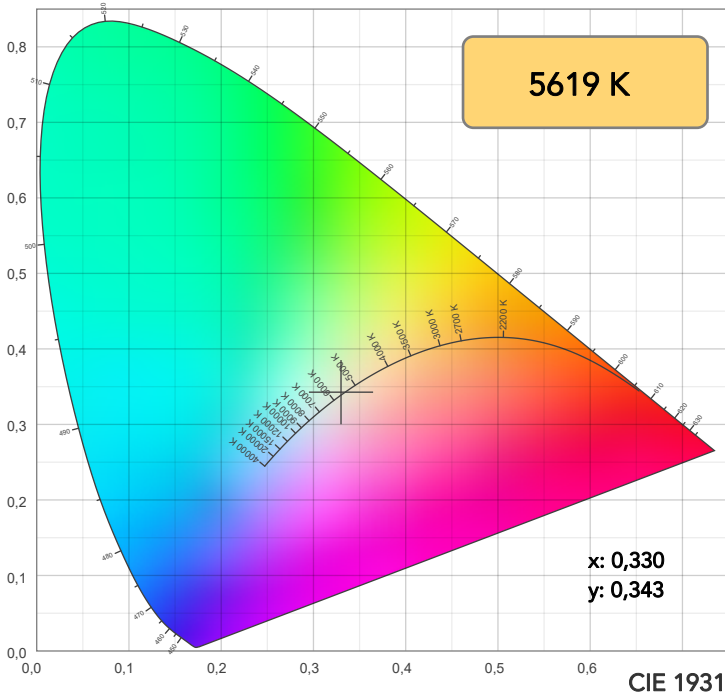
Beam angle 50%: 56,4°

Field angle 10%: 77,1°

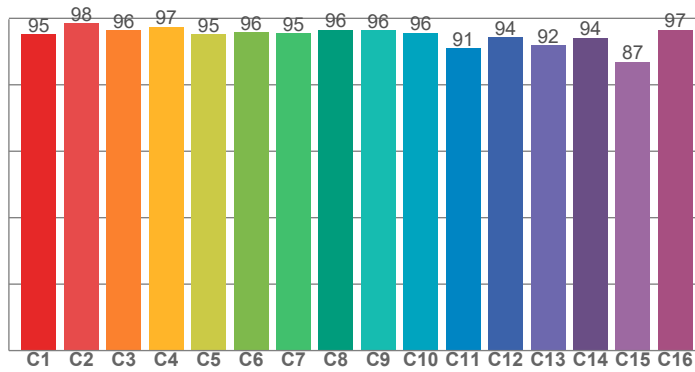
Cut off angle 2.5%: 85,6°

Spectra

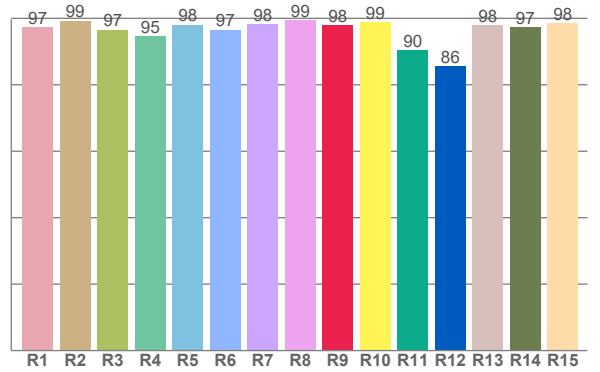




TM30: 94,8



CRI: 97,5 (R1-R8)



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

| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,2 | 99,3 | 96,5 | 94,7 | 98,0 | 96,6 | 98,3 | 99,3 | 97,8 | 98,8 | 90,3 | 85,6 | 98,0 | 97,4 | 98,4 |

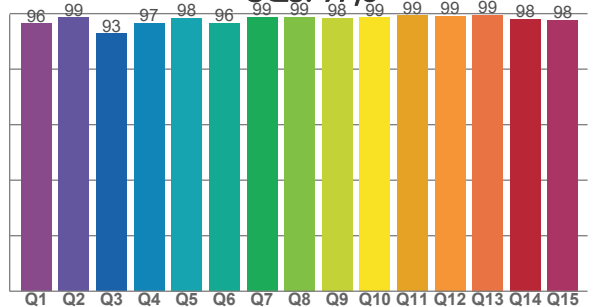
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,2 | 98,4 | 96,3 | 97,4 | 95,1 | 95,8 | 95,5 | 96,5 | 96,3 | 95,6 | 91,0 | 94,2 | 91,8 | 94,2 | 87,0 | 96,6 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,4 | 98,5 | 92,9 | 96,5 | 98,4 | 96,5 | 98,8 | 98,8 | 98,5 | 98,5 | 99,3 | 99,2 | 99,5 | 98,1 | 97,7 |

CQS: 97,3



COLOR PARAMETERS

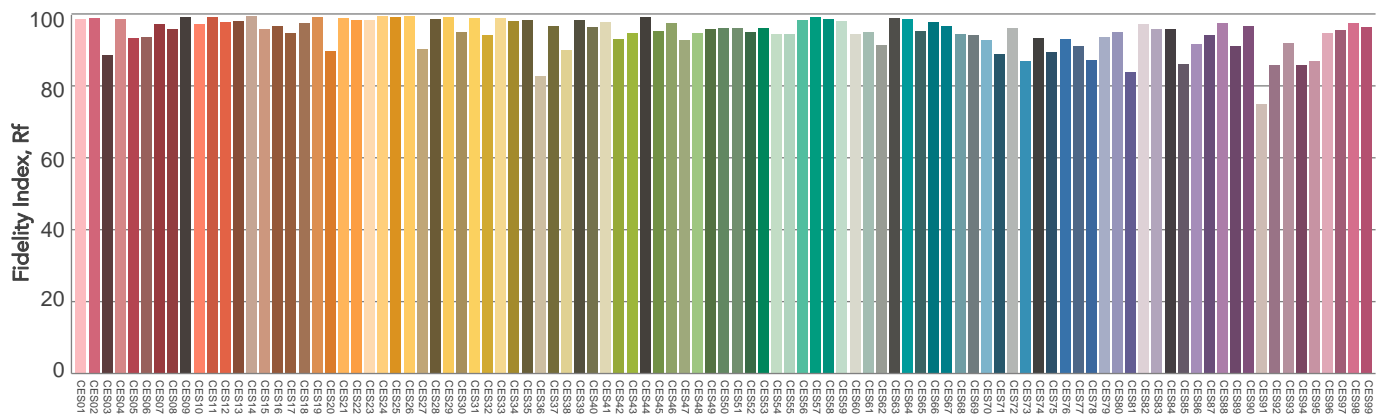
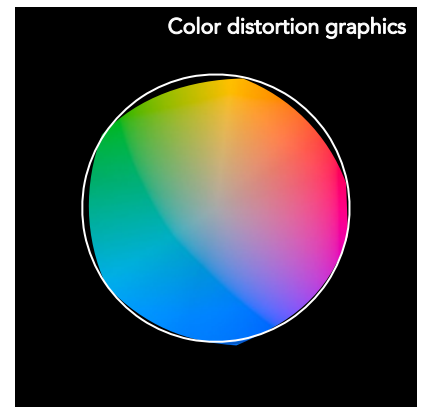
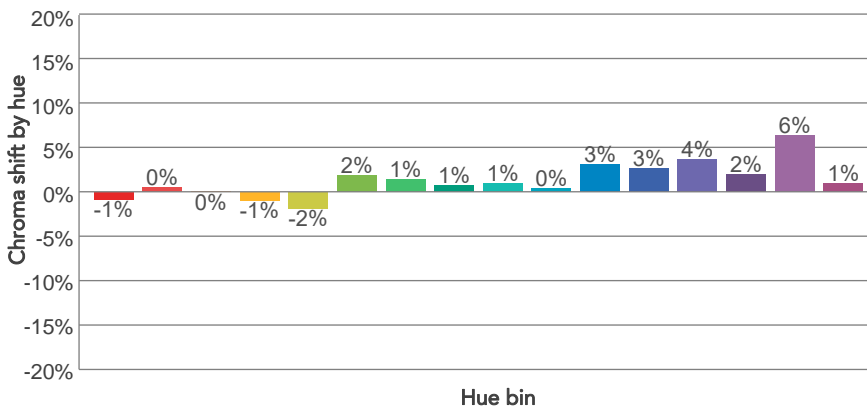
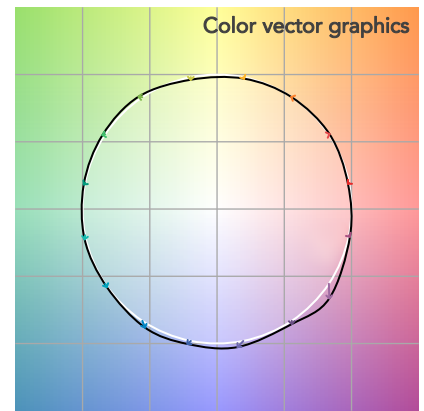
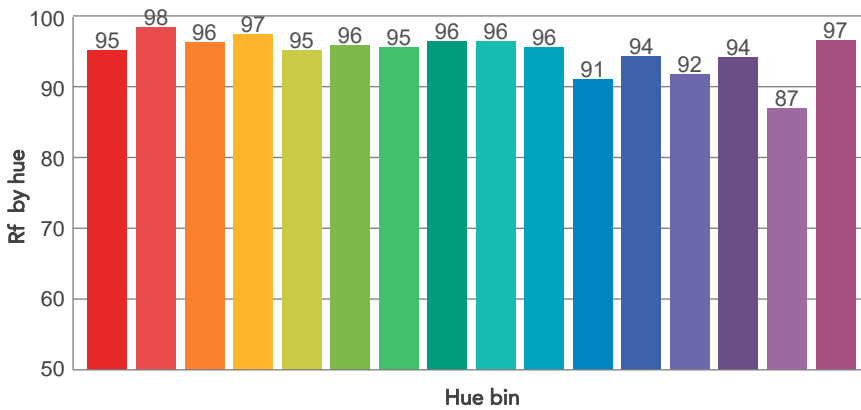
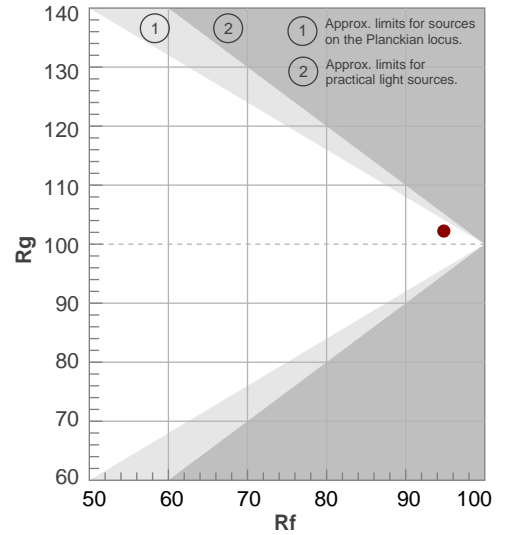
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 5619 K | 97,5 | 97,8 | 94,8 | 102,2 | 97,3 | 94 | 0,330 | 0,343 | 0,0013 |

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 102,2
Gammut index

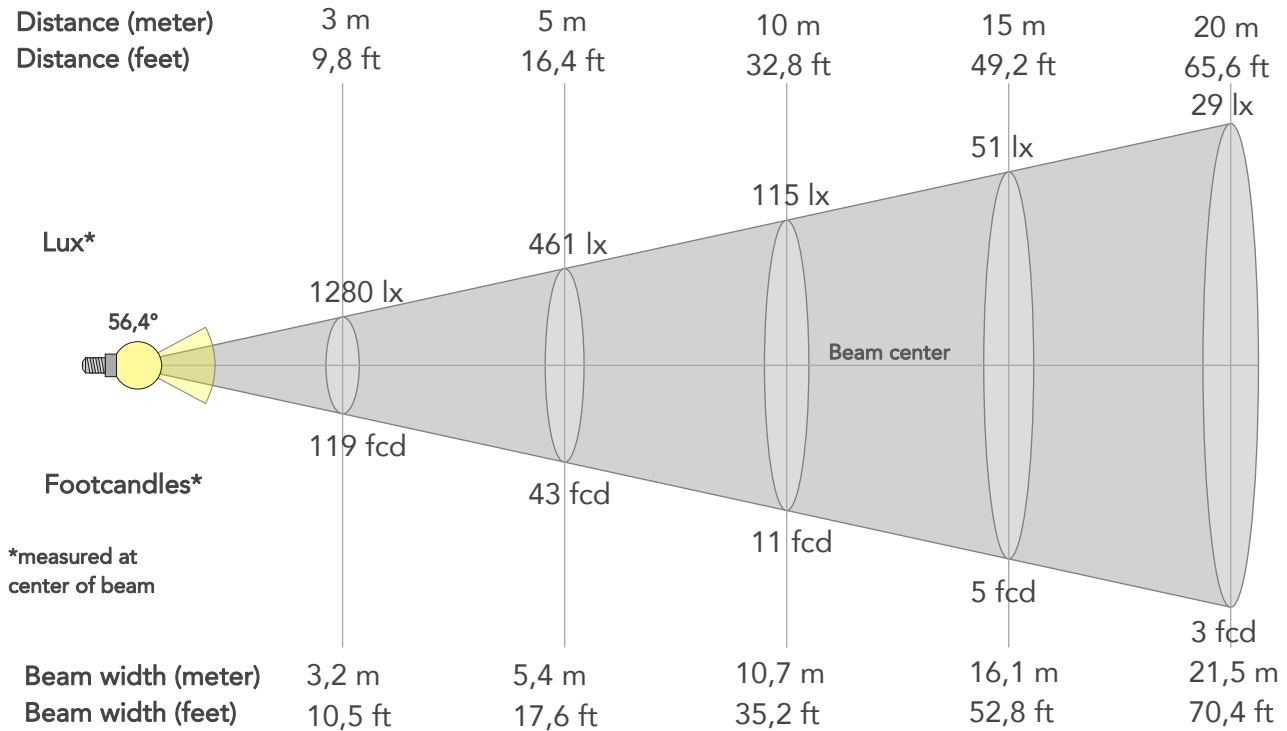
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -1% | -1% |
| 2 | 98 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 97 | -1% | -1% |
| 5 | 95 | -2% | 0% |
| 6 | 96 | 2% | 2% |
| 7 | 95 | 1% | 2% |
| 8 | 96 | 1% | 1% |
| 9 | 96 | 1% | 3% |
| 10 | 96 | 0% | 3% |
| 11 | 91 | 3% | 4% |
| 12 | 94 | 3% | -2% |
| 13 | 92 | 4% | -5% |
| 14 | 94 | 2% | -1% |
| 15 | 87 | 6% | -9% |
| 16 | 97 | 1% | -1% |



BEAM DETAILS



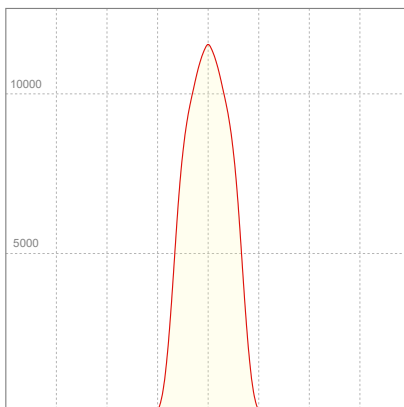
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,4° | 77,1° | 85,6° | 100,0% | 99,9% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|---------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 11522lx | 2881lx | 1280lx | 720lx | 461lx | 205lx | 115lx | 51lx | 29lx | 18lx | 13lx | 7lx | 5lx |
| Footcand. | 1070fcd | 268fcd | 119fcd | 67fcd | 43fcd | 19fcd | 11fcd | 5fcd | 3fcd | 2fcd | 1fcd | 1fcd | 0fcd |
| Beam wid. | 1,1m | 2,1m | 3,2m | 4,3m | 5,4m | 8m | 10,7m | 16,1m | 21,5m | 26,8m | 32,2m | 42,9m | 53,6m |
| Beam wid. | 3,5ft | 7,1ft | 10,5ft | 14,1ft | 17,6ft | 26,4ft | 35,2ft | 52,8ft | 70,4ft | 88ft | 105,5ft | 140,7ft | 175,9ft |

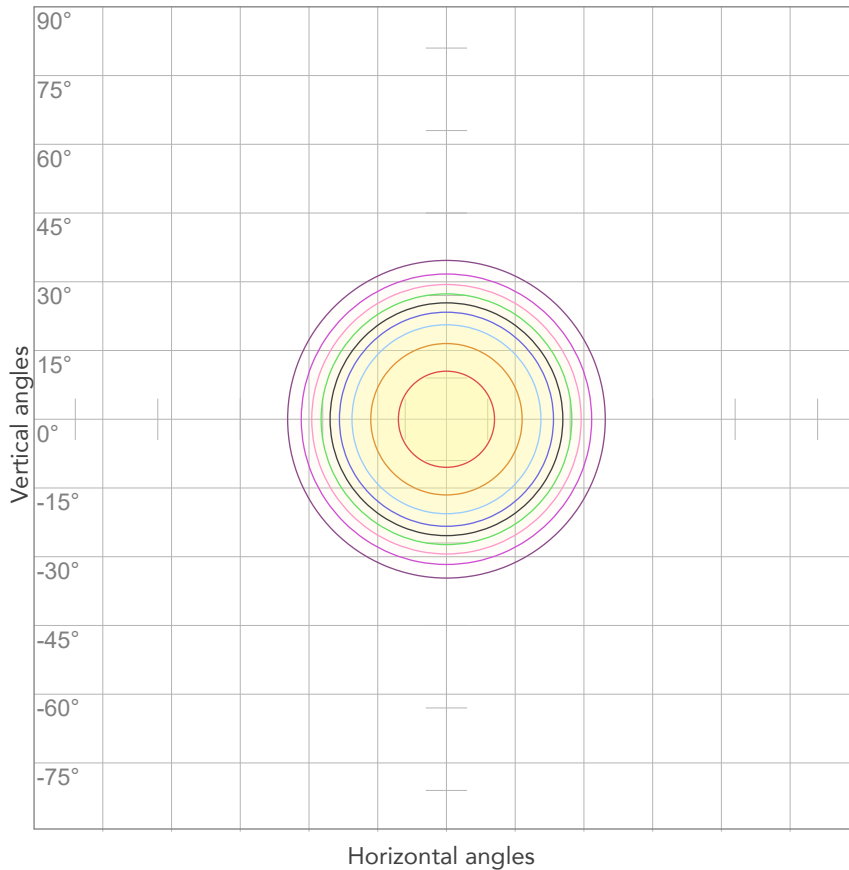
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 226V | 1,46A | 327,9W | 27lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 1152 cd |
| 20% | 2304 cd |
| 30% | 3457 cd |
| 40% | 4609 cd |
| 50% | 5761 cd |
| 60% | 6913 cd |
| 70% | 8066 cd |
| 80% | 9218 cd |

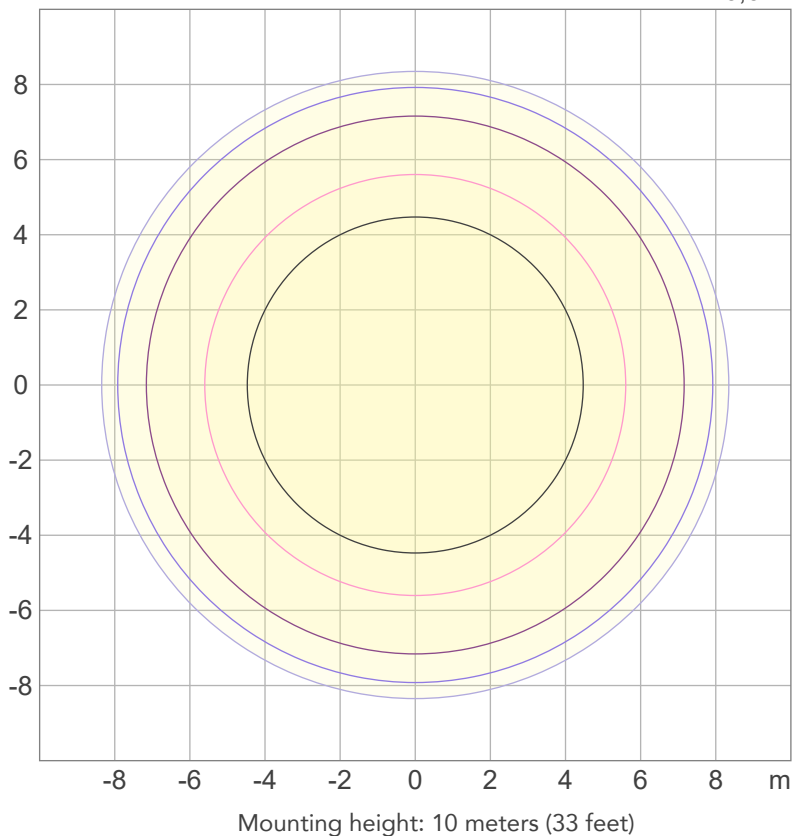
Conditions:

Number of c-planes: 2

Candela at center: 11522 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 3,46 lx |
| 5% | 5,76 lx |
| 10% | 11,5 lx |
| 30% | 34,6 lx |
| 50% | 57,6 lx |

Conditions:

Number of c-planes: 2

Lux at center: 115 lx

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



Total lumen output:

7103 lm

Peak candela output:

37462 cd

Light quality:

CRI: 97,7

Color temperature:

5689 K

PRODUCT NAME:
ECLFRCTPLIP

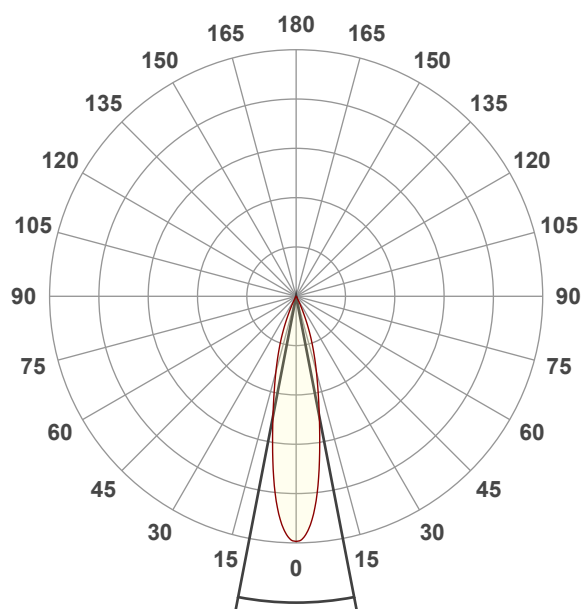
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
5600K - HQ

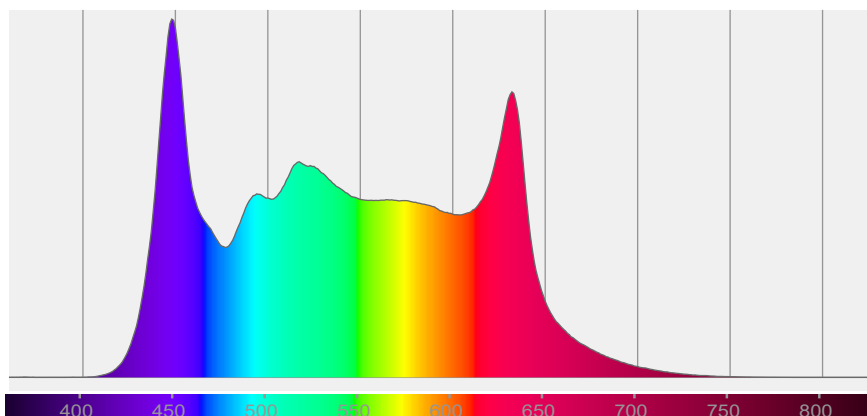
Operator:
Salvatore Giglio

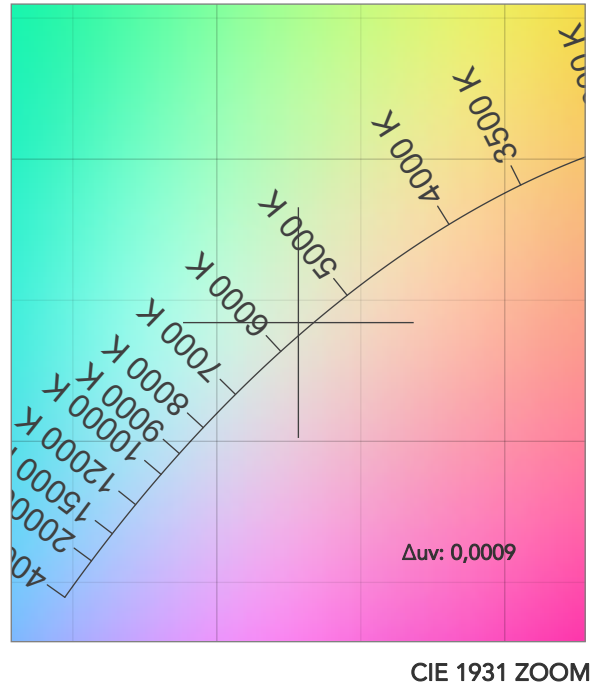
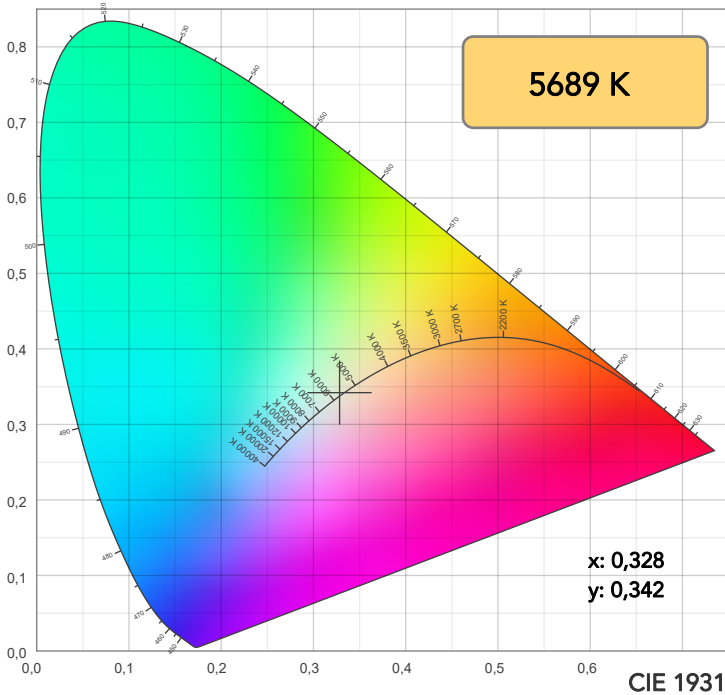
Date and time:
21/09/2023 13:27:48



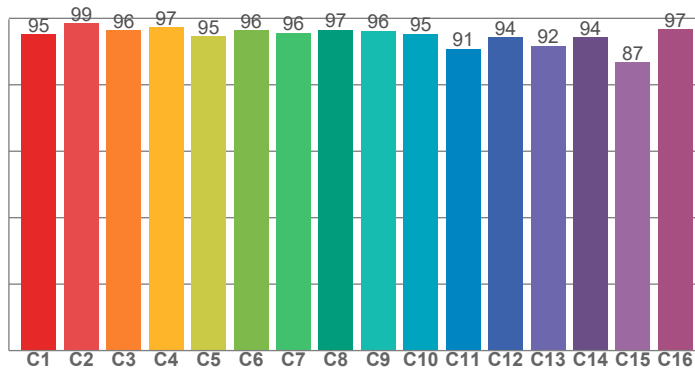
Beam angle 50%: 21,8°
Field angle 10%: 45°
Cut off angle 2.5%: 54,1°

Spectra

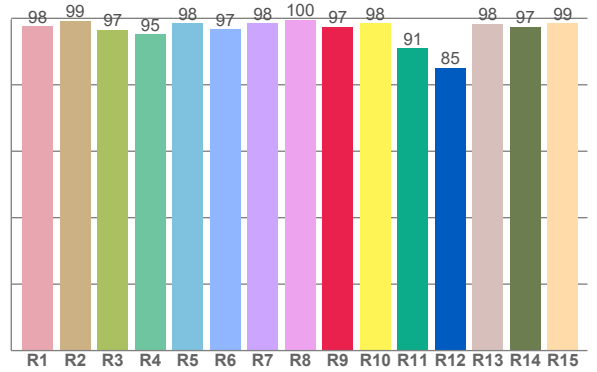




TM30: 94,8



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,6 | 99,3 | 96,6 | 95,2 | 98,5 | 96,7 | 98,4 | 99,5 | 97,5 | 98,5 | 91,0 | 85,1 | 98,3 | 97,5 | 98,6 |

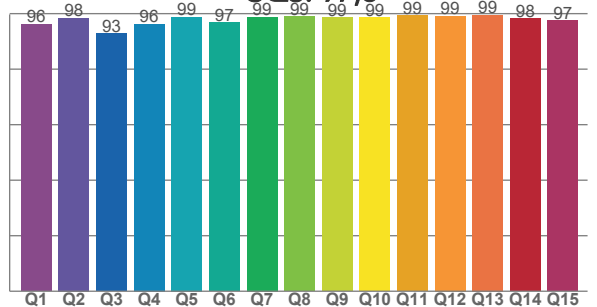
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,2 | 98,5 | 96,3 | 97,3 | 94,6 | 96,4 | 95,7 | 96,6 | 96,2 | 95,3 | 90,9 | 94,2 | 91,7 | 94,3 | 86,8 | 96,7 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,1 | 98,5 | 92,9 | 96,2 | 98,7 | 96,8 | 98,7 | 99,0 | 98,6 | 98,6 | 99,3 | 99,2 | 99,4 | 98,2 | 97,5 |

CQS: 97,3



COLOR PARAMETERS

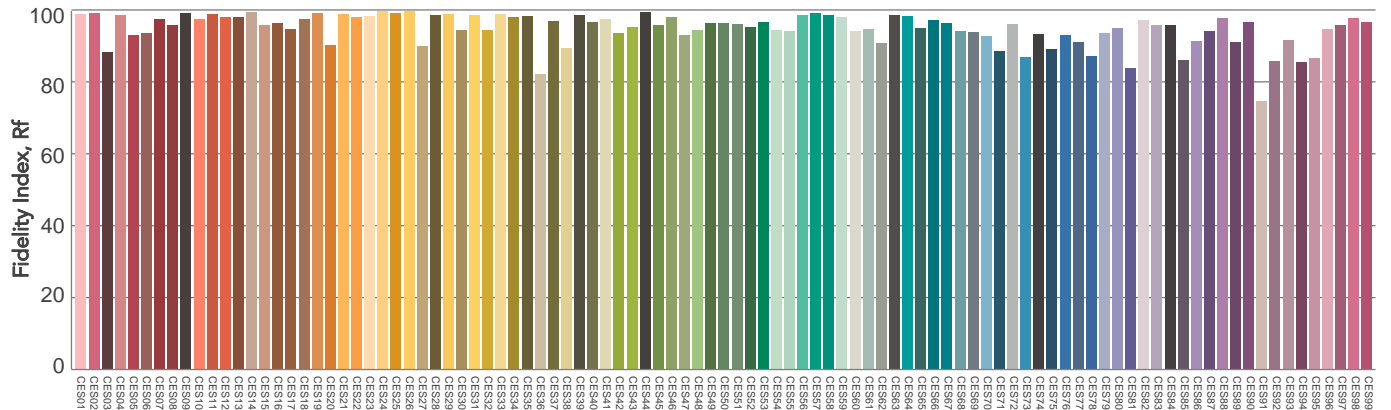
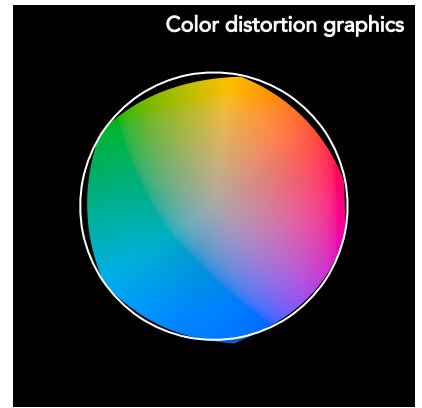
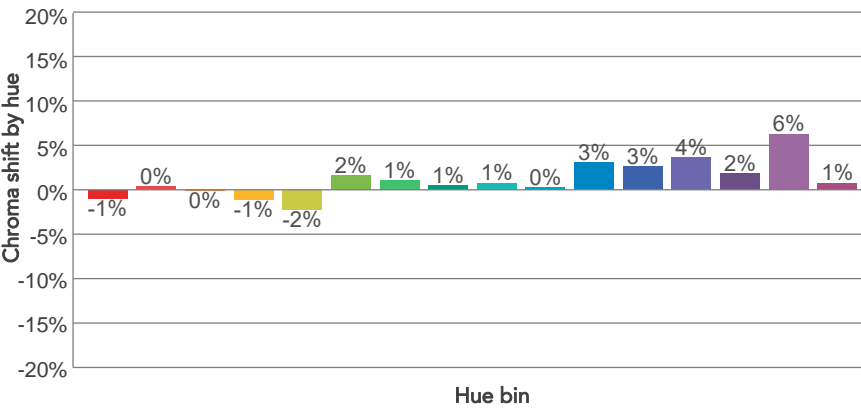
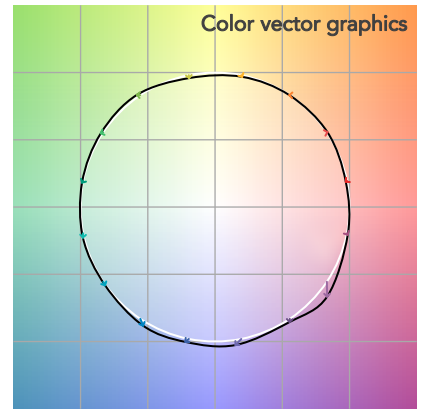
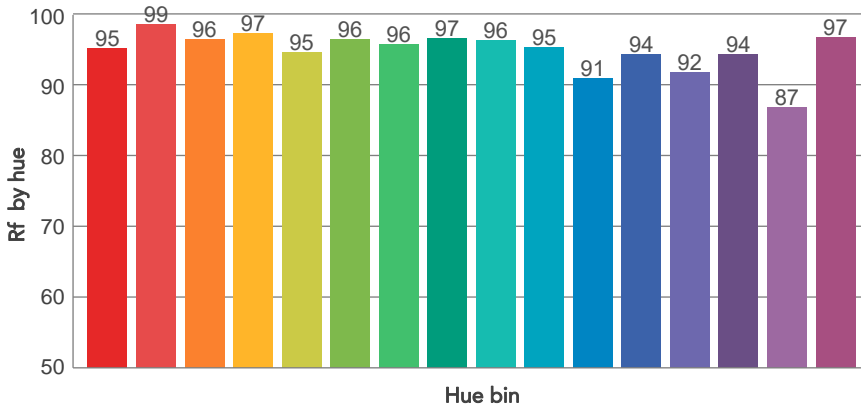
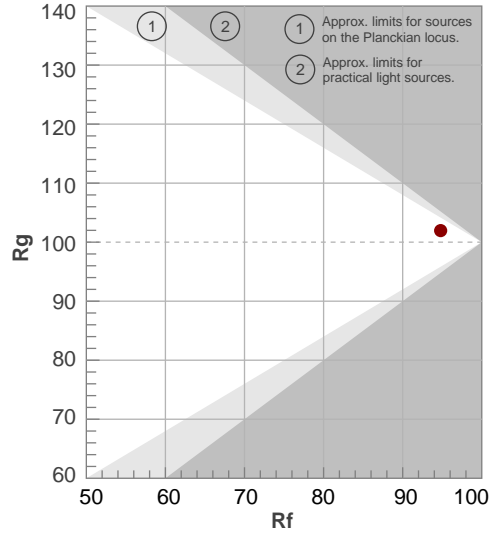
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 5689 K | 97,7 | 97,5 | 94,8 | 102,0 | 97,3 | 95 | 0,328 | 0,342 | 0,0009 |

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 102,0
Gammut index

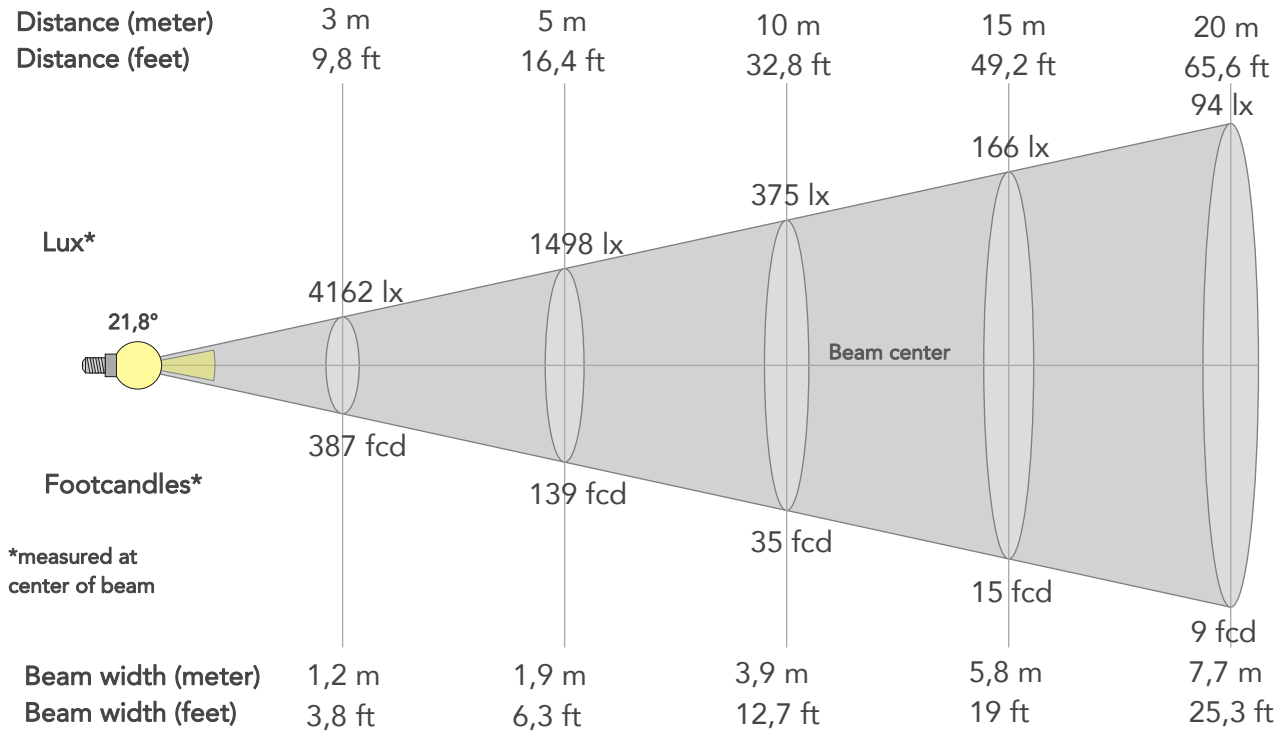
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -1% | -1% |
| 2 | 99 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 97 | -1% | -1% |
| 5 | 95 | -2% | 0% |
| 6 | 96 | 2% | 2% |
| 7 | 96 | 1% | 2% |
| 8 | 97 | 1% | 2% |
| 9 | 96 | 1% | 3% |
| 10 | 95 | 0% | 3% |
| 11 | 91 | 3% | 4% |
| 12 | 94 | 3% | -2% |
| 13 | 92 | 4% | -5% |
| 14 | 94 | 2% | -1% |
| 15 | 87 | 6% | -9% |
| 16 | 97 | 1% | -1% |



BEAM DETAILS



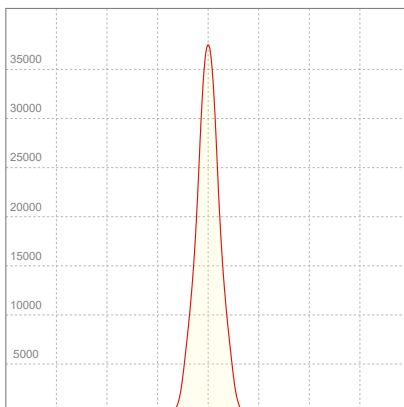
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,8° | 45° | 54,1° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 37462lx | 9365lx | 4162lx | 2341lx | 1498lx | 666lx | 375lx | 166lx | 94lx | 60lx | 42lx | 23lx | 15lx |
| Footcand. | 3480fcd | 870fcd | 387fcd | 218fcd | 139fcd | 62fcd | 35fcd | 15fcd | 9fcd | 6fcd | 4fcd | 2fcd | 1fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,5m | 1,9m | 2,9m | 3,9m | 5,8m | 7,7m | 9,6m | 11,6m | 15,4m | 19,3m |
| Beam wid. | 1,3ft | 2,5ft | 3,8ft | 5,1ft | 6,3ft | 9,5ft | 12,7ft | 19ft | 25,3ft | 31,6ft | 38ft | 50,6ft | 63,3ft |

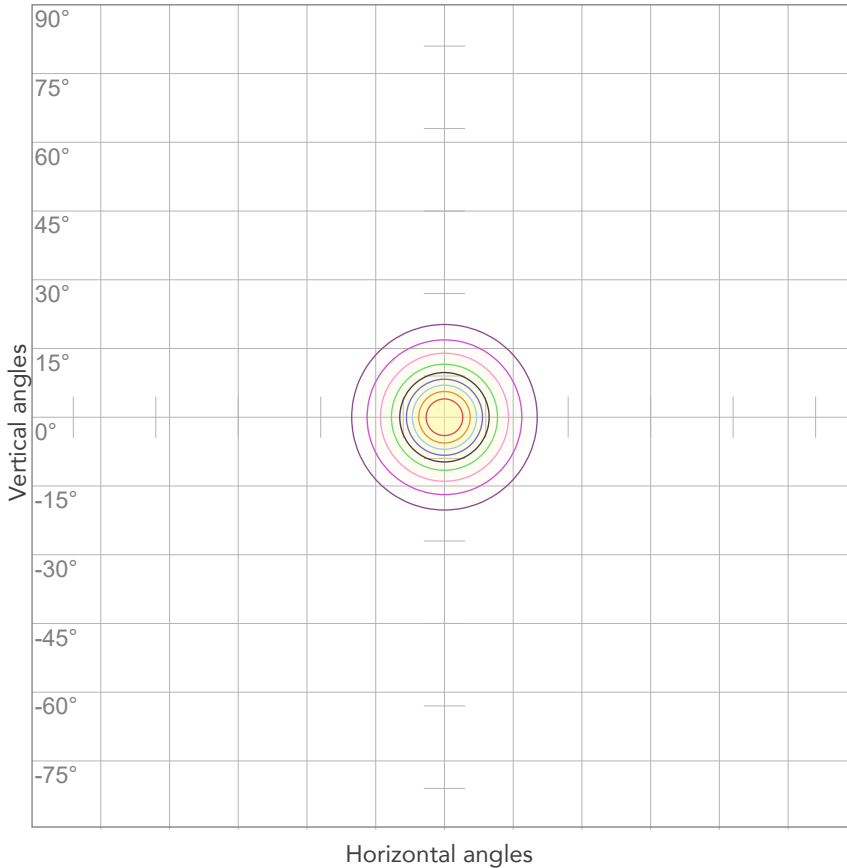
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 227V | 1,45A | 327,4W | 22lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 3746 cd |
| 20% | 7492 cd |
| 30% | 11238 cd |
| 40% | 14985 cd |
| 50% | 18731 cd |
| 60% | 22477 cd |
| 70% | 26223 cd |
| 80% | 29969 cd |

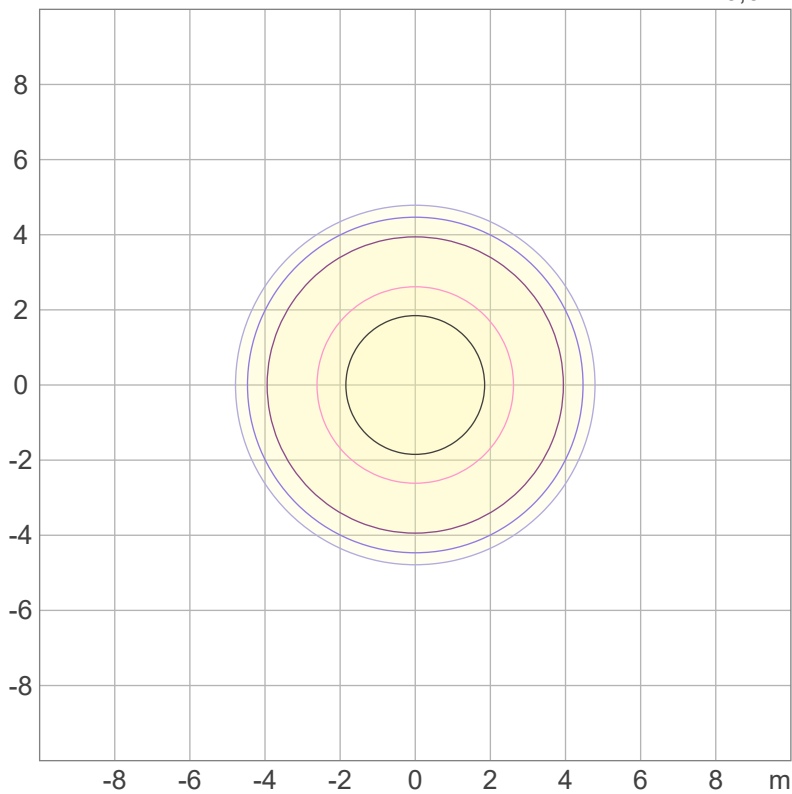
Conditions:

Number of c-planes: 2

Candela at center: 37462 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 11,2 lx |
| 5% | 18,7 lx |
| 10% | 37,5 lx |
| 30% | 112 lx |
| 50% | 187 lx |

Conditions:

Number of c-planes: 2

Lux at center: 375 lx

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



Total lumen output:

3902 lm

Peak candela output:

101568 cd

Light quality:

CRI: 97,8

Color temperature:

5584 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

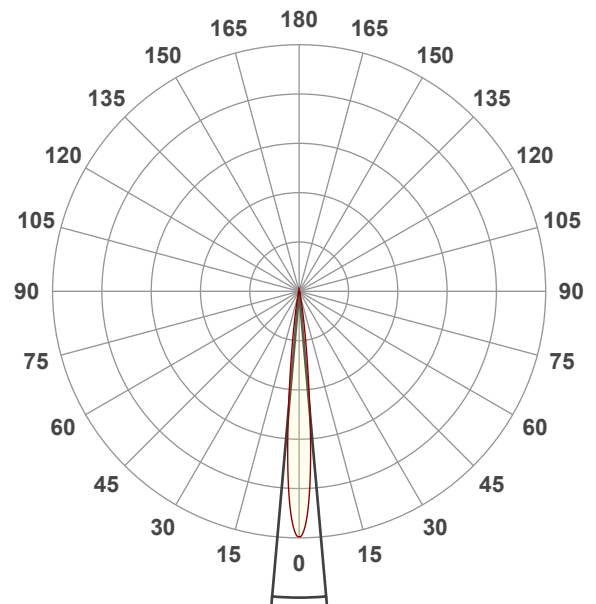
5600K - HQ

Operator:

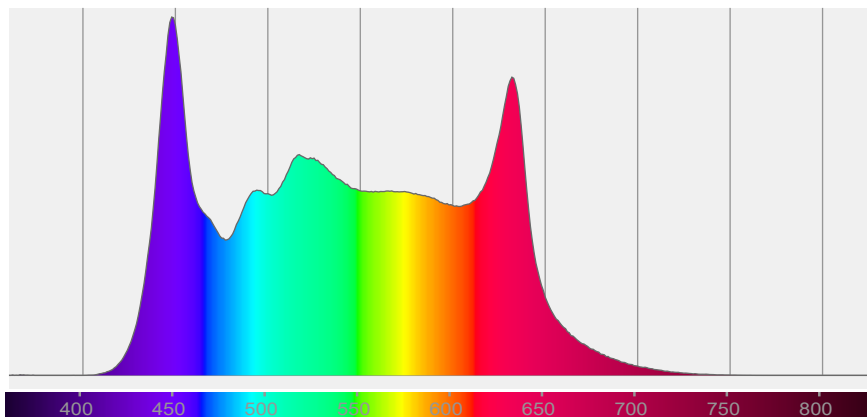
Salvatore Giglio

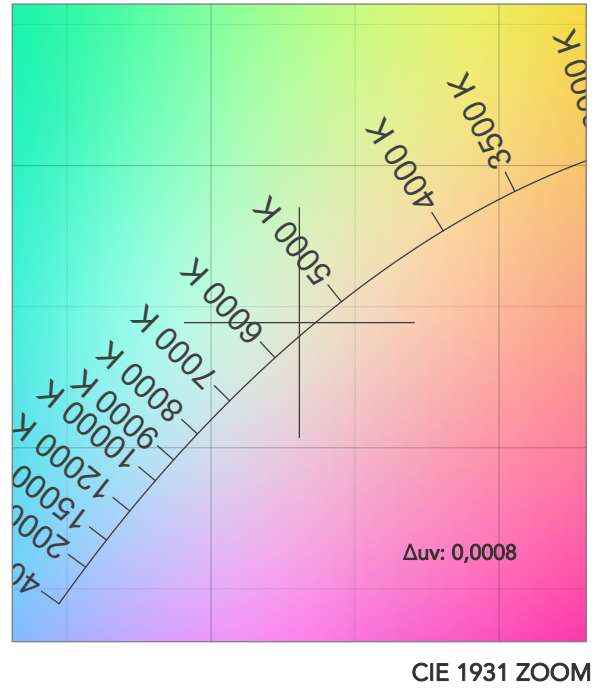
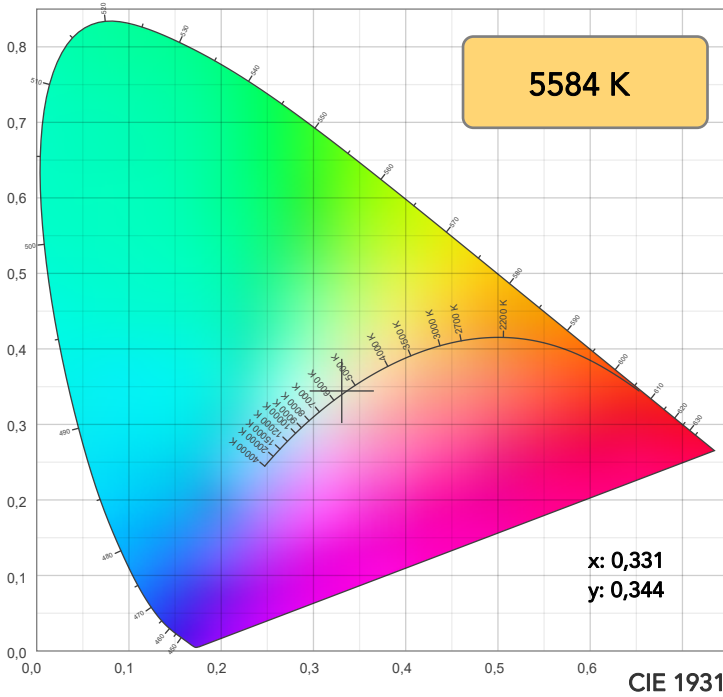
Date and time:

21/09/2023 12:36:21

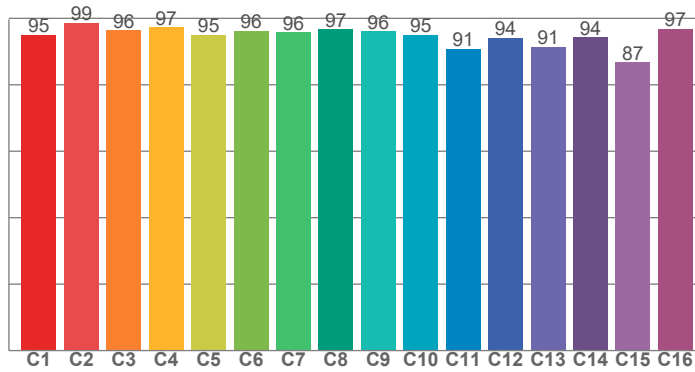


Spectra

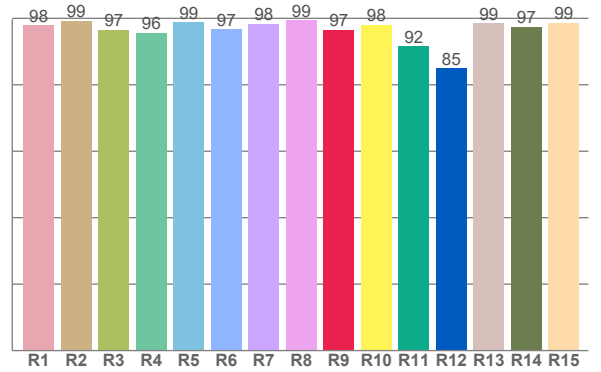




TM30: 94,8



CRI: 97,8 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,9 | 99,3 | 96,6 | 95,7 | 98,8 | 96,7 | 98,4 | 99,4 | 96,6 | 98,1 | 91,6 | 85,0 | 98,6 | 97,4 | 98,7 |

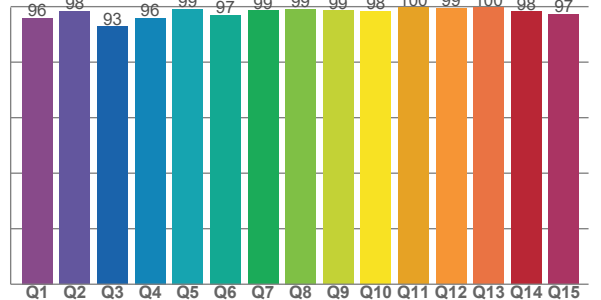
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,1 | 98,6 | 96,4 | 97,3 | 95,0 | 96,2 | 95,8 | 96,6 | 96,1 | 95,0 | 90,9 | 94,1 | 91,5 | 94,3 | 86,7 | 96,8 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,9 | 98,3 | 92,8 | 95,9 | 99,1 | 97,0 | 98,6 | 99,2 | 98,6 | 98,4 | 99,6 | 99,4 | 99,6 | 98,2 | 97,2 |

CQS: 97,2



COLOR PARAMETERS

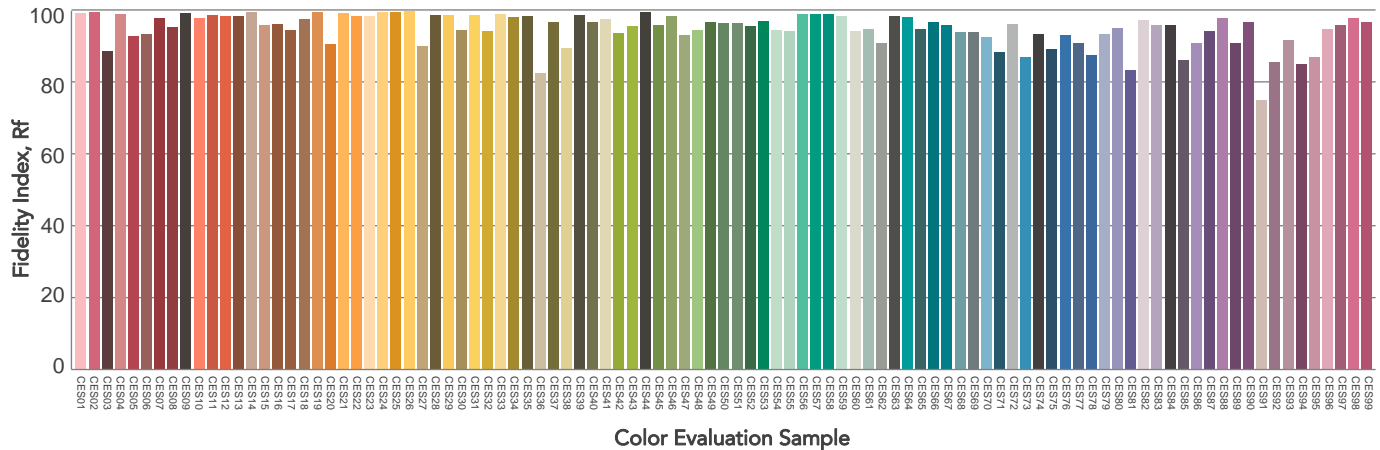
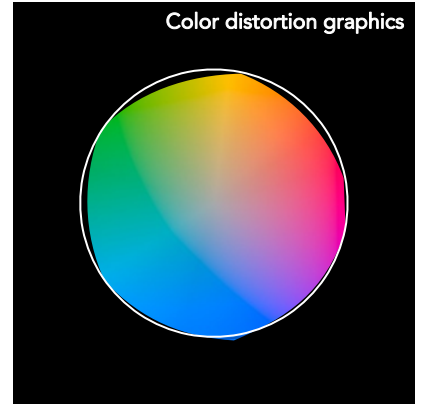
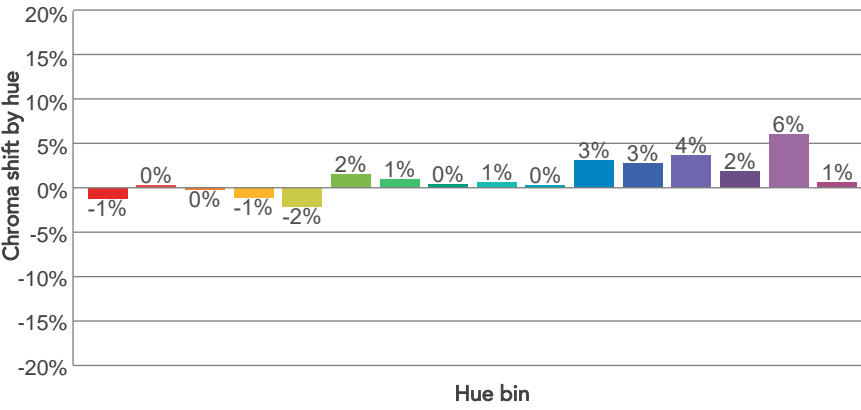
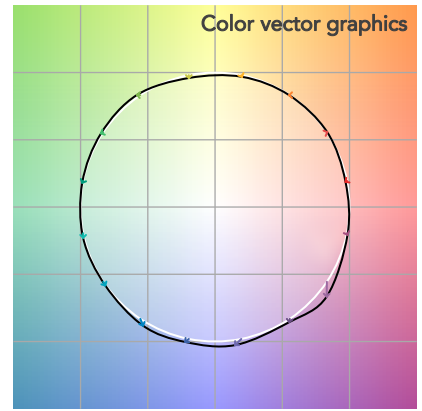
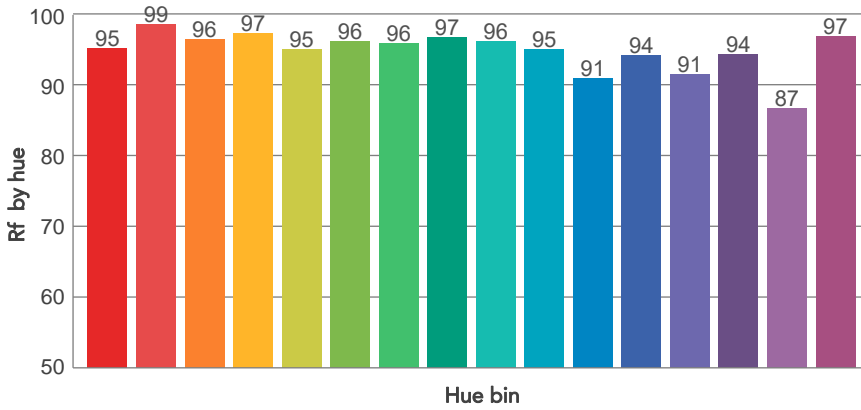
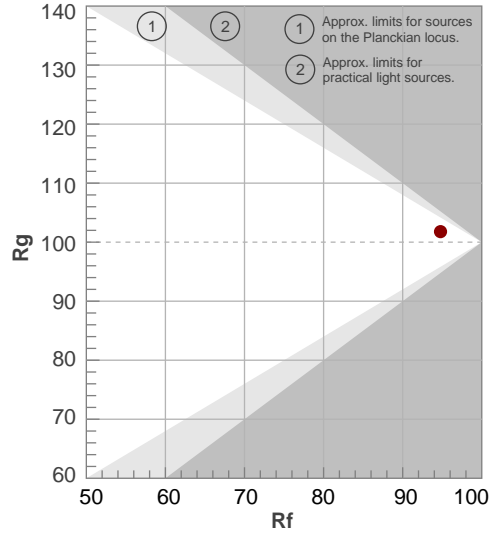
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 5584 K | 97,8 | 96,6 | 94,8 | 101,8 | 97,2 | 94 | 0,331 | 0,344 | 0,0008 |

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 101,8
Gammut index

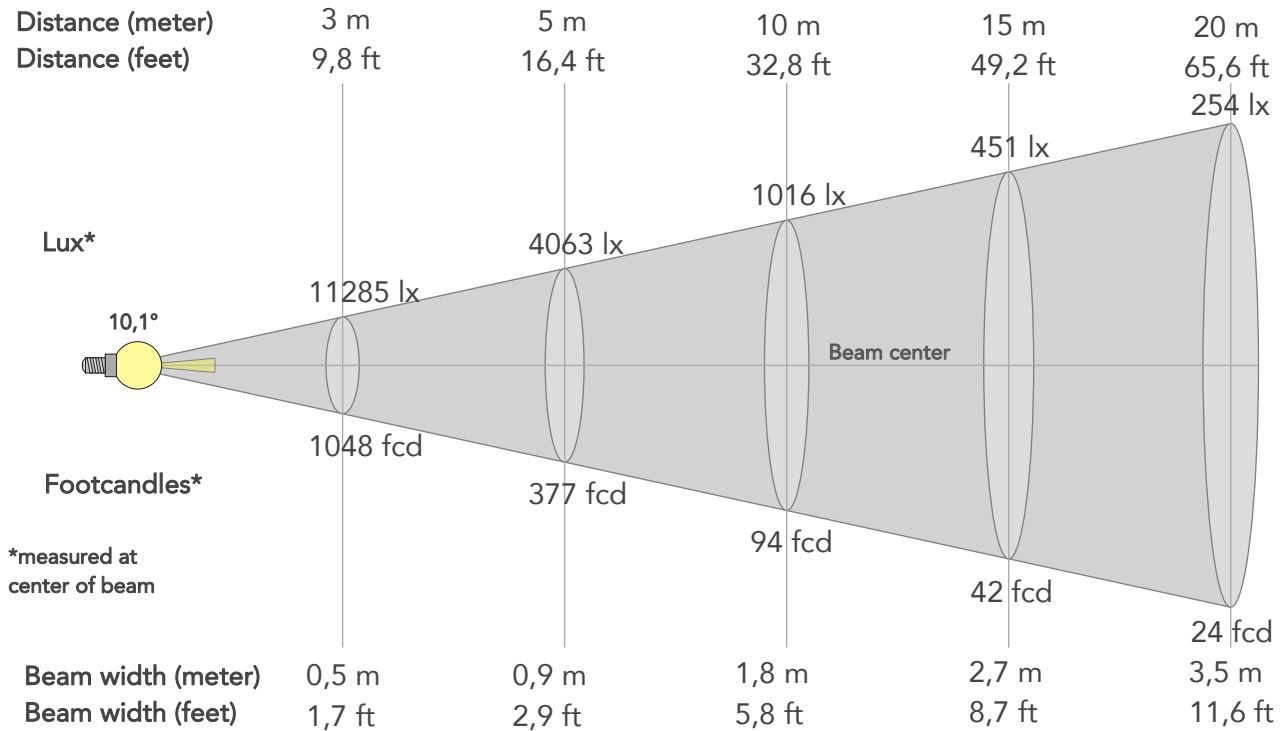
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -1% | -1% |
| 2 | 99 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 97 | -1% | -1% |
| 5 | 95 | -2% | 0% |
| 6 | 96 | 2% | 2% |
| 7 | 96 | 1% | 2% |
| 8 | 97 | 0% | 2% |
| 9 | 96 | 1% | 3% |
| 10 | 95 | 0% | 3% |
| 11 | 91 | 3% | 4% |
| 12 | 94 | 3% | -2% |
| 13 | 91 | 4% | -5% |
| 14 | 94 | 2% | -2% |
| 15 | 87 | 6% | -9% |
| 16 | 97 | 1% | -1% |



BEAM DETAILS



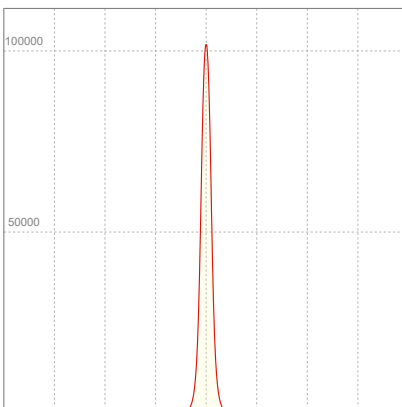
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,1° | 18,7° | 26,2° | 100,0% | 100,0% |



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 | 101568lx | 25392lx | 11285lx | 6348lx | 4063lx | 1806lx | 1016lx | 451lx | 254lx | 163lx | 113lx | 63lx | 41lx |
| Footcand. | 9436fcd | 2359fcd | 1048fcd | 590fcd | 377fcd | 168fcd | 94fcd | 42fcd | 24fcd | 15fcd | 10fcd | 6fcd | 4fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,7m | 3,5m | 4,4m | 5,3m | 7,1m | 8,9m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,4ft | 5,8ft | 8,7ft | 11,6ft | 14,5ft | 17,4ft | 23,2ft | 29ft |

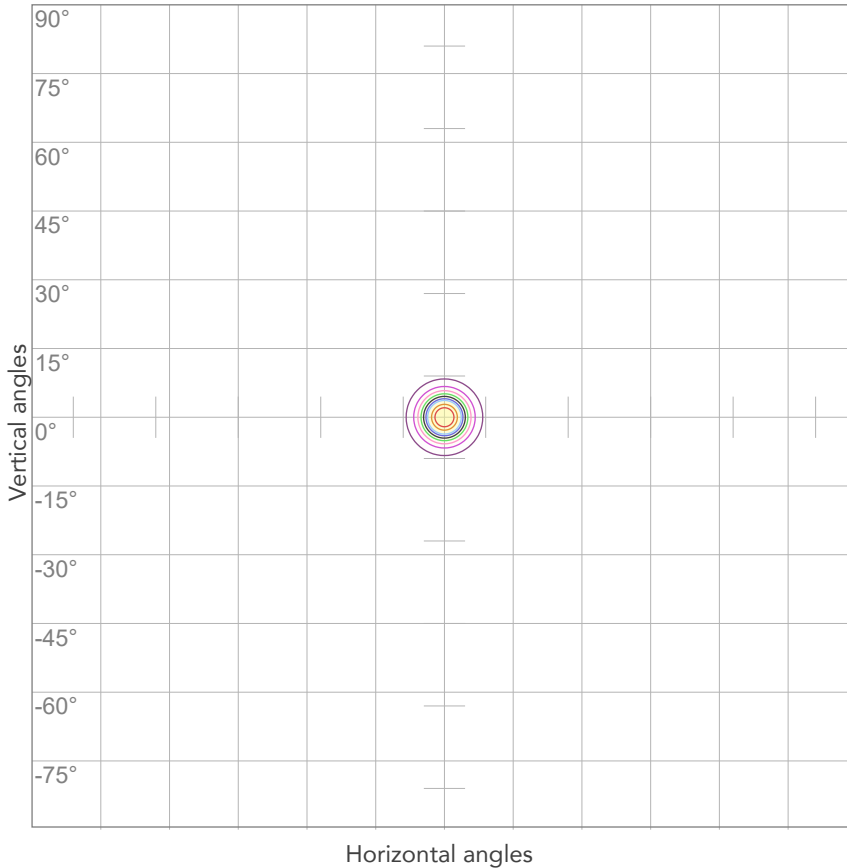
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 224V | 1,52A | 338,2W | 12lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 10157 cd |
| 20% | 20314 cd |
| 30% | 30470 cd |
| 40% | 40627 cd |
| 50% | 50784 cd |
| 60% | 60941 cd |
| 70% | 71098 cd |
| 80% | 81255 cd |

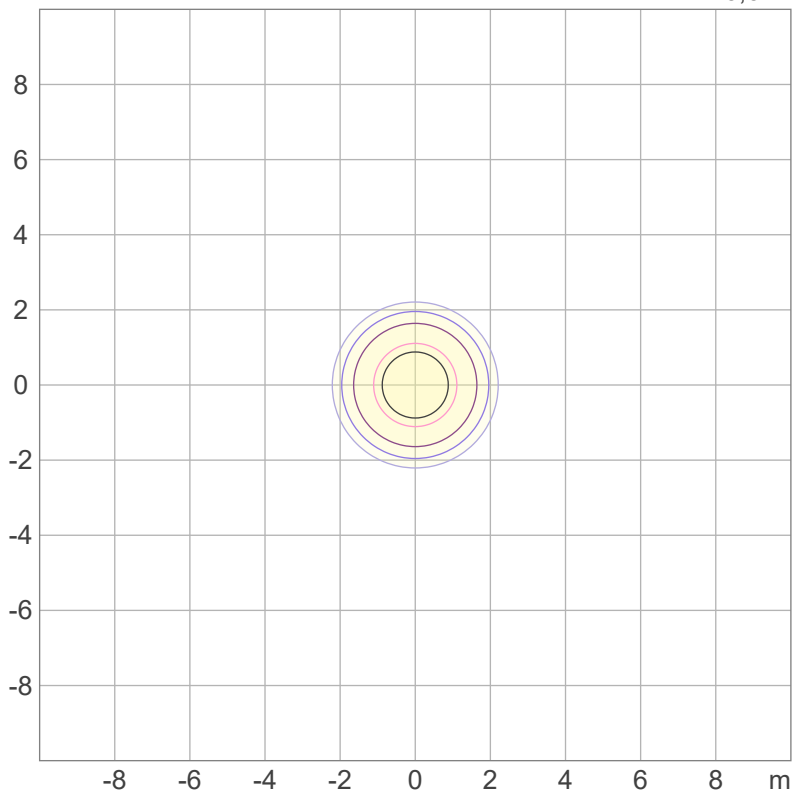
Conditions:

Number of c-planes: 2

Candela at center: 101568 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 30,5 lx |
| 5% | 50,8 lx |
| 10% | 102 lx |
| 30% | 305 lx |
| 50% | 508 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1016 lx

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



Total lumen output:

8107 lm

Peak candela output:

10564 cd

Light quality:

CRI: 97,7

Color temperature:

6058 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

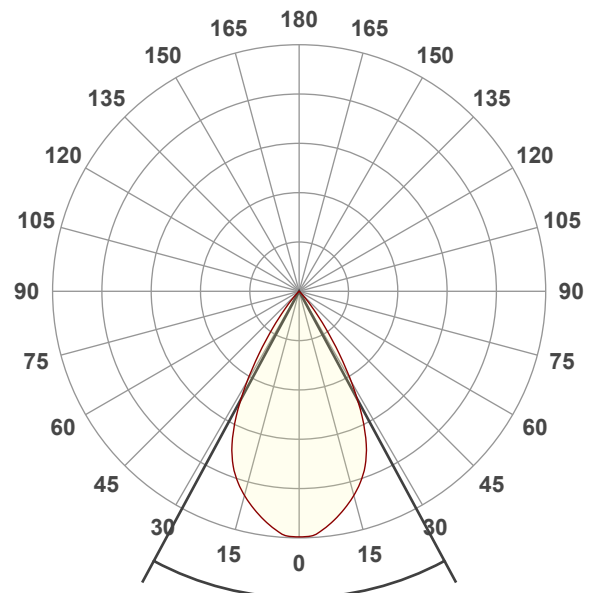
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 14:32:28

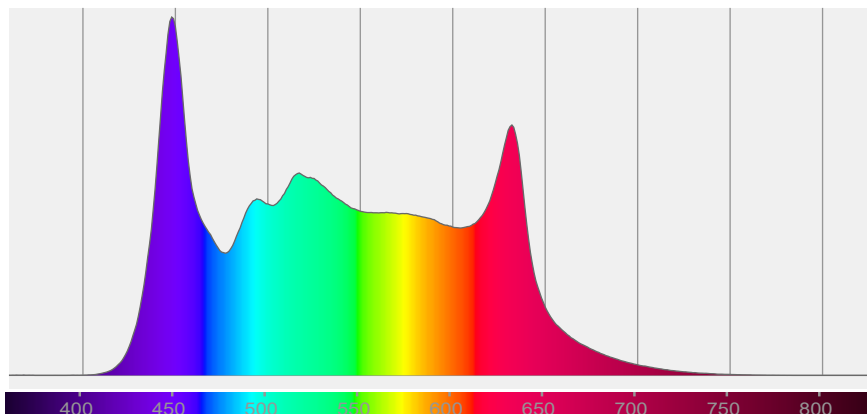


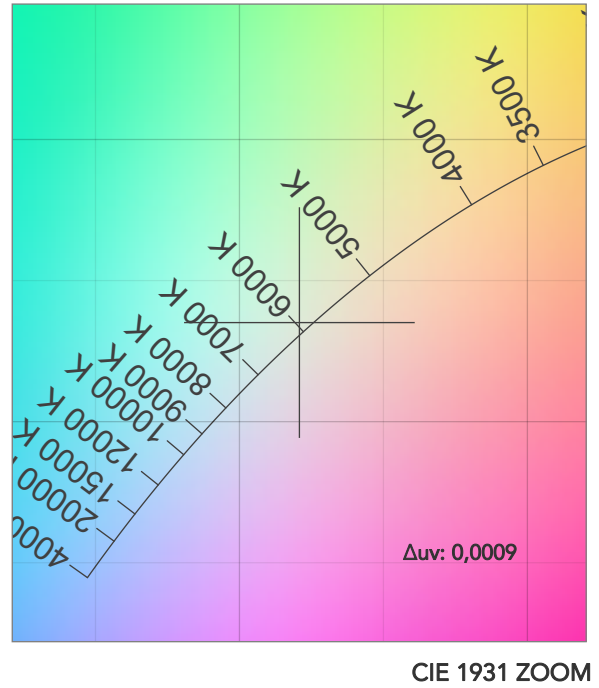
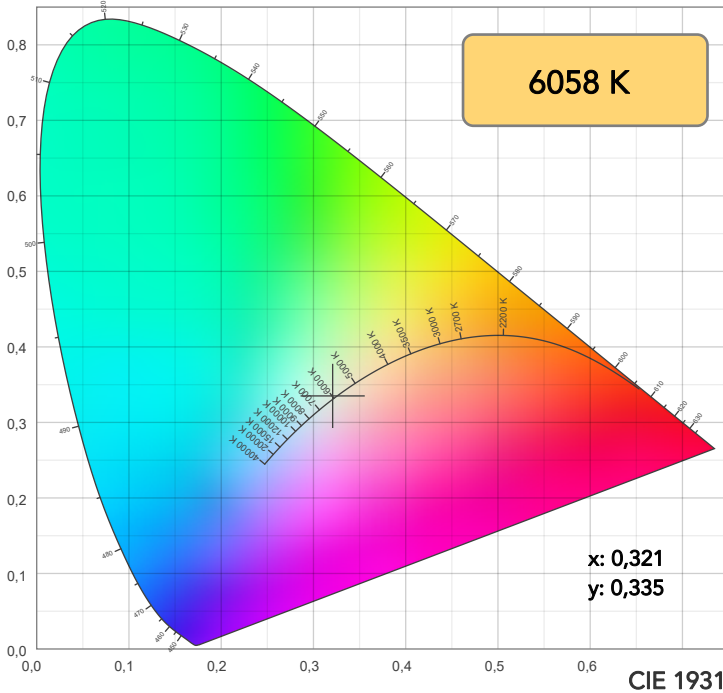
Beam angle 50%: 56,6°

Field angle 10%: 77,1°

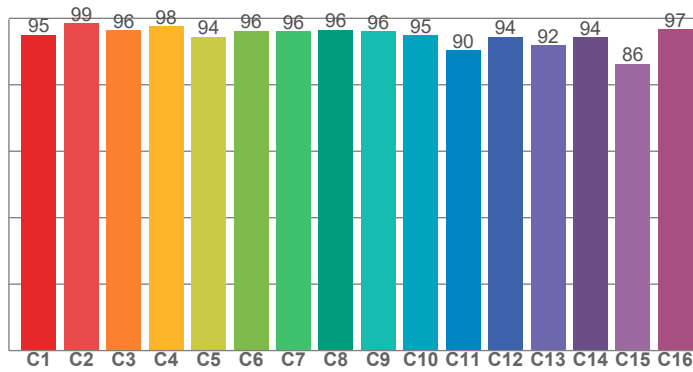
Cut off angle 2.5%: 86,7°

Spectra

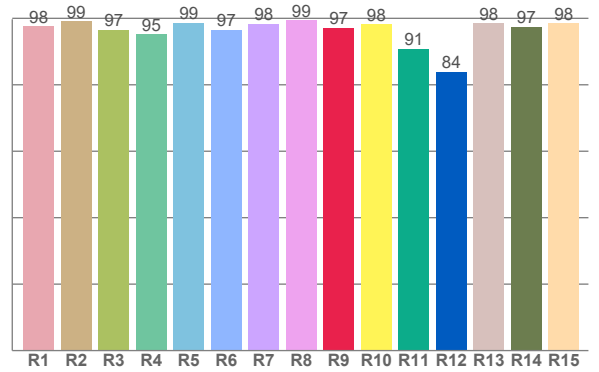




TM30: 94,7



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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,7 | 99,2 | 96,5 | 95,2 | 98,6 | 96,6 | 98,4 | 99,5 | 97,2 | 98,3 | 90,8 | 84,0 | 98,4 | 97,5 | 98,5 |

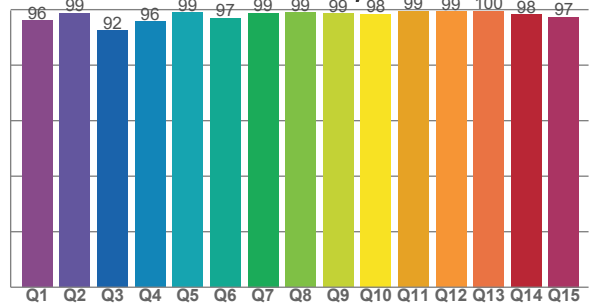
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,1 | 98,5 | 96,3 | 97,6 | 94,4 | 96,2 | 96,0 | 96,5 | 96,0 | 94,9 | 90,3 | 94,4 | 91,8 | 94,2 | 86,3 | 96,7 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,1 | 98,7 | 92,4 | 95,7 | 98,9 | 96,9 | 98,8 | 99,0 | 98,5 | 98,5 | 99,4 | 99,3 | 99,6 | 98,2 | 97,4 |

CQS: 97,1



COLOR PARAMETERS

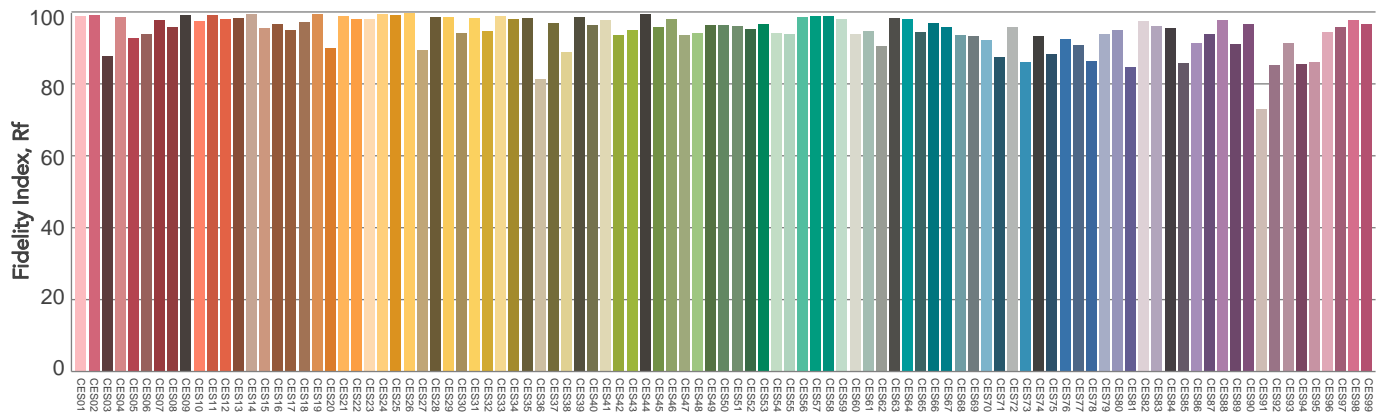
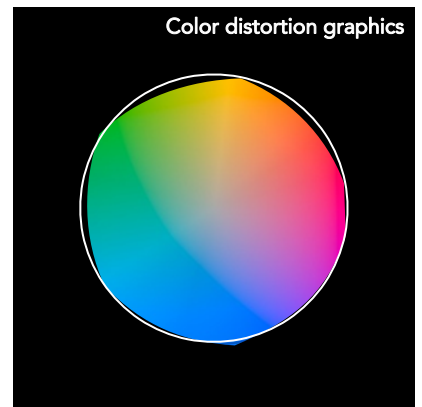
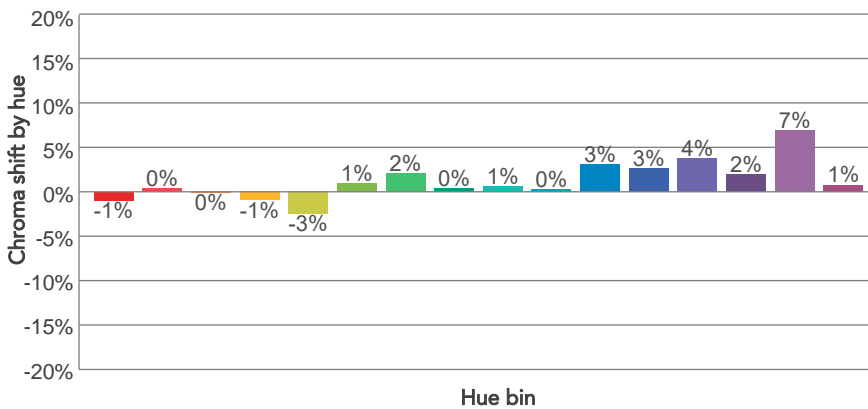
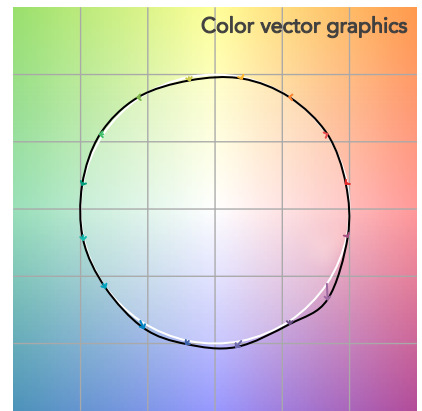
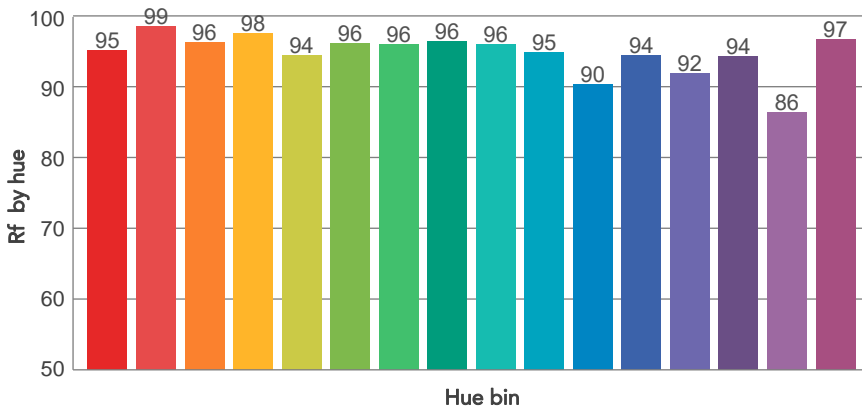
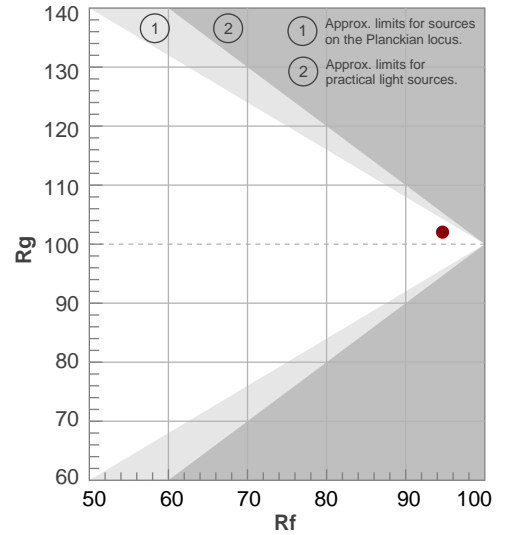
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 6058 K | 97,7 | 97,2 | 94,7 | 102,0 | 97,1 | 95 | 0,321 | 0,335 | 0,0009 |

TM30 DETAILS

Rf 94,7
Fidelity index Rf

Rg 102,0
Gammut index

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -1% | -1% |
| 2 | 99 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 98 | -1% | -1% |
| 5 | 94 | -3% | 0% |
| 6 | 96 | 1% | 2% |
| 7 | 96 | 2% | 1% |
| 8 | 96 | 0% | 2% |
| 9 | 96 | 1% | 3% |
| 10 | 95 | 0% | 3% |
| 11 | 90 | 3% | 5% |
| 12 | 94 | 3% | -2% |
| 13 | 92 | 4% | -5% |
| 14 | 94 | 2% | -1% |
| 15 | 86 | 7% | -9% |
| 16 | 97 | 1% | -1% |

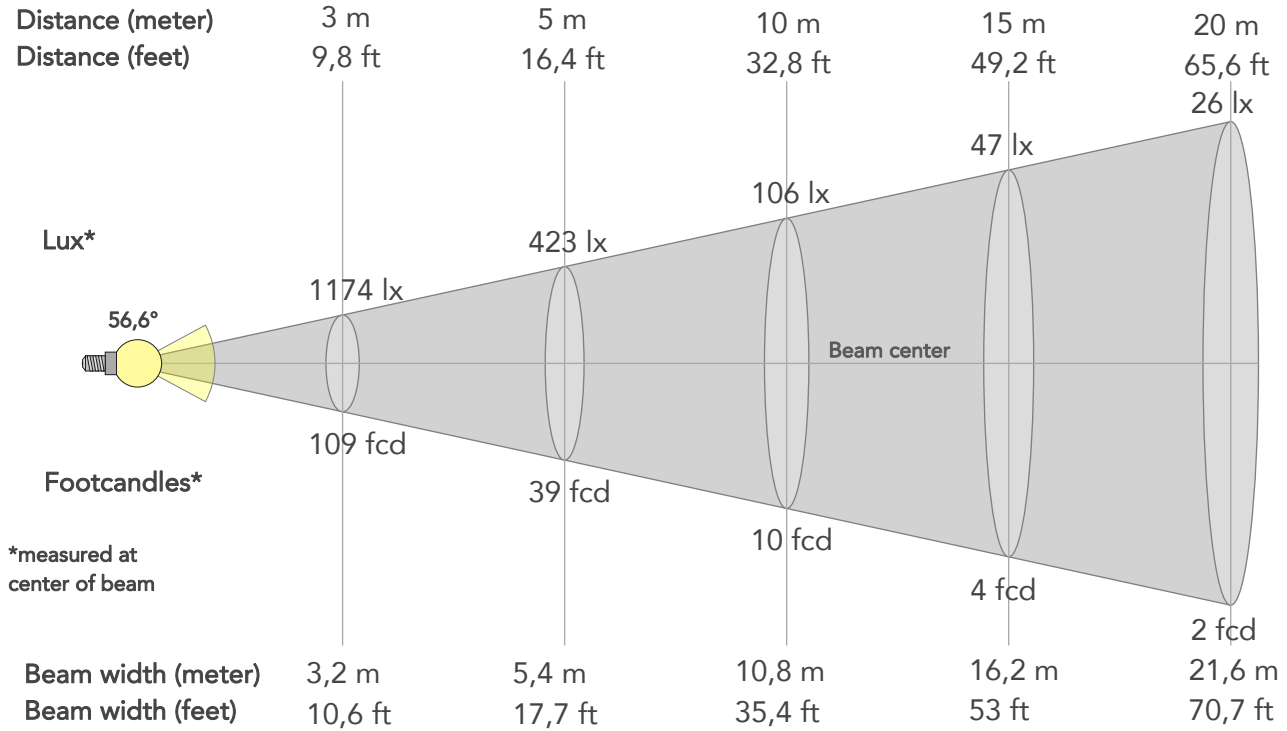


Color Evaluation Sample

BEAM DETAILS



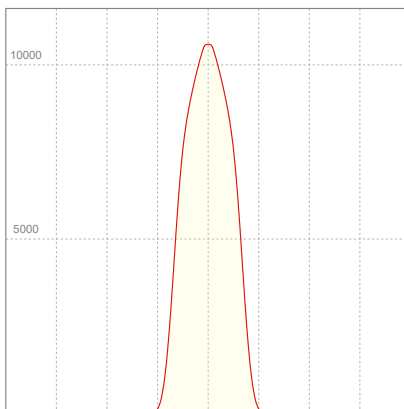
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 56,6° | 77,1° | 86,7° | 100,0% | 99,6% |



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 | 10564lx | 2641lx | 1174lx | 660lx | 423lx | 188lx | 106lx | 47lx | 26lx | 17lx | 12lx | 7lx | 4lx |
| Footcand. | 981fcd | 245fcd | 109fcd | 61fcd | 39fcd | 17fcd | 10fcd | 4fcd | 2fcd | 2fcd | 1fcd | 1fcd | 0fcd |
| Beam wid. | 1,1m | 2,2m | 3,2m | 4,3m | 5,4m | 8,1m | 10,8m | 16,2m | 21,6m | 26,9m | 32,3m | 43,1m | 53,9m |
| Beam wid. | 3,6ft | 7,1ft | 10,6ft | 14,1ft | 17,7ft | 26,5ft | 35,4ft | 53ft | 70,7ft | 88,4ft | 106,1ft | 141,4ft | 176,8ft |

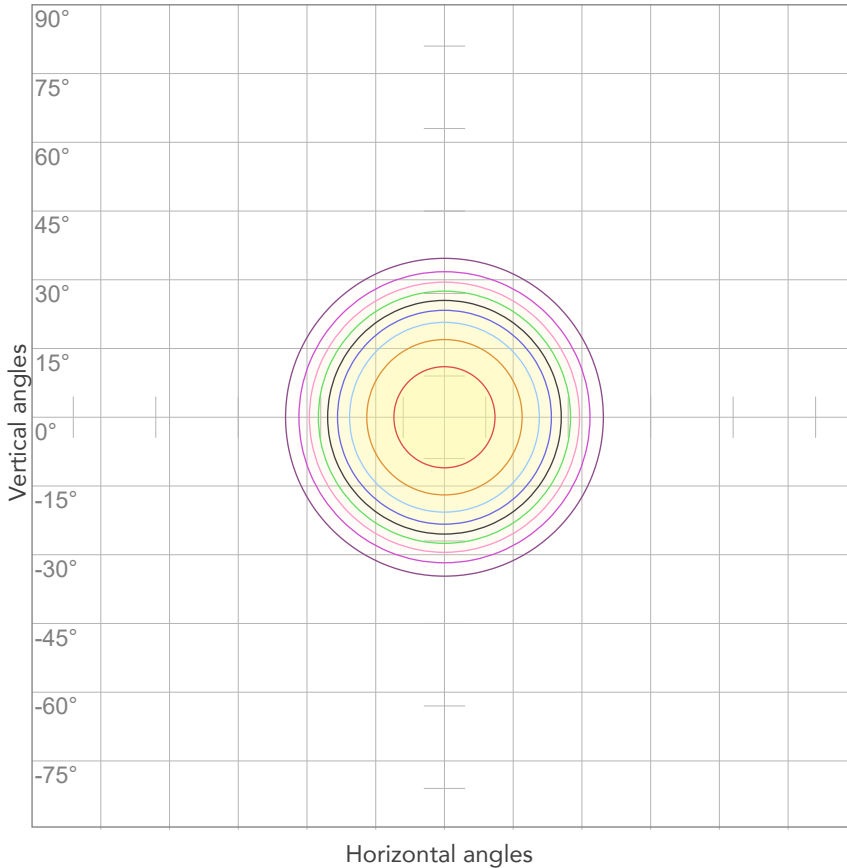
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Effeciency |
|---------------|---------------|-------------|------------|
| 227V | 1,36A | 304,2W | 27lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|---------|
| 10% | 1056 cd |
| 20% | 2113 cd |
| 30% | 3169 cd |
| 40% | 4226 cd |
| 50% | 5282 cd |
| 60% | 6338 cd |
| 70% | 7395 cd |
| 80% | 8451 cd |

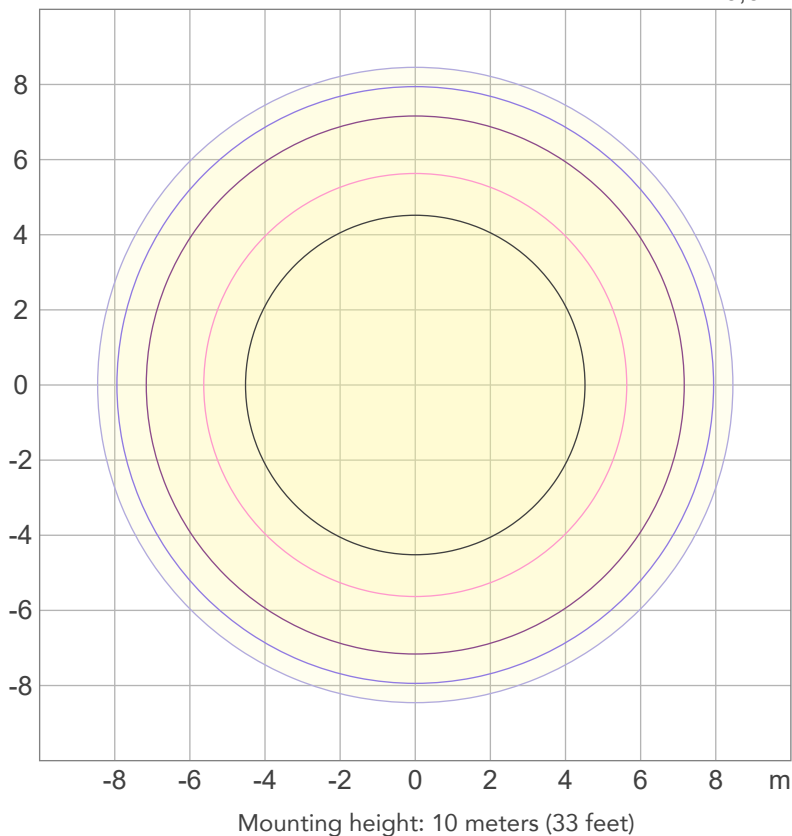
Conditions:

Number of c-planes: 2

Candela at center: 10564 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 3,17 lx |
| 5% | 5,28 lx |
| 10% | 10,6 lx |
| 30% | 31,7 lx |
| 50% | 52,8 lx |

Conditions:

Number of c-planes: 2

Lux at center: 106 lx

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



Total lumen output:

6672 lm

Peak candela output:

35224 cd

Light quality:

CRI: 97,8

Color temperature:

6018 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

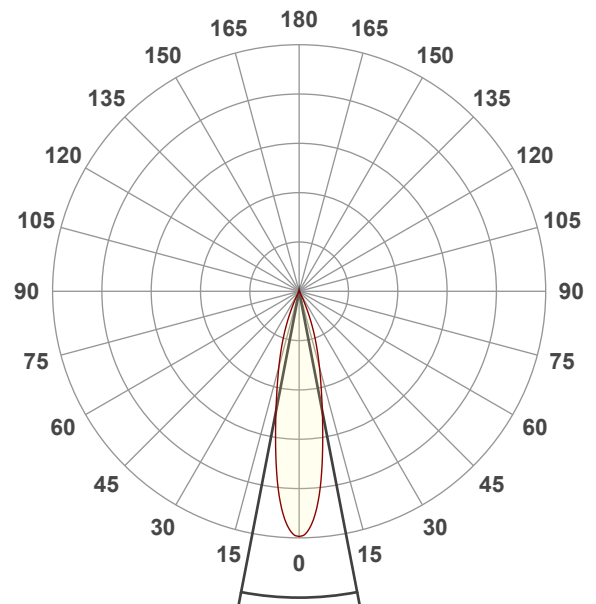
6000K - HQ

Operator:

Salvatore Giglio

Date and time:

21/09/2023 13:29:49

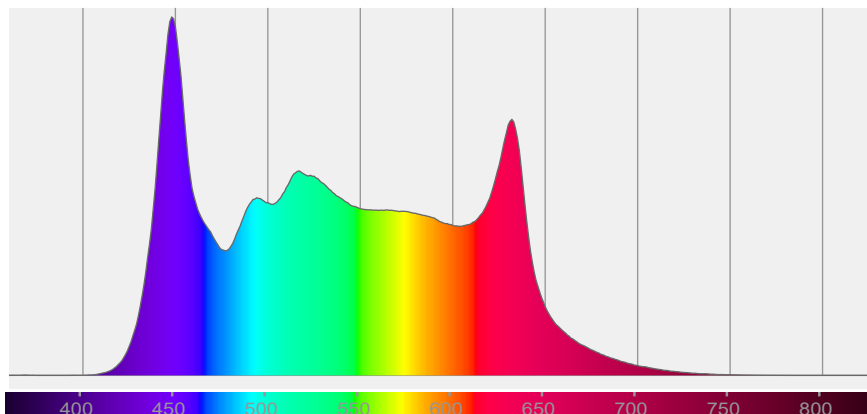


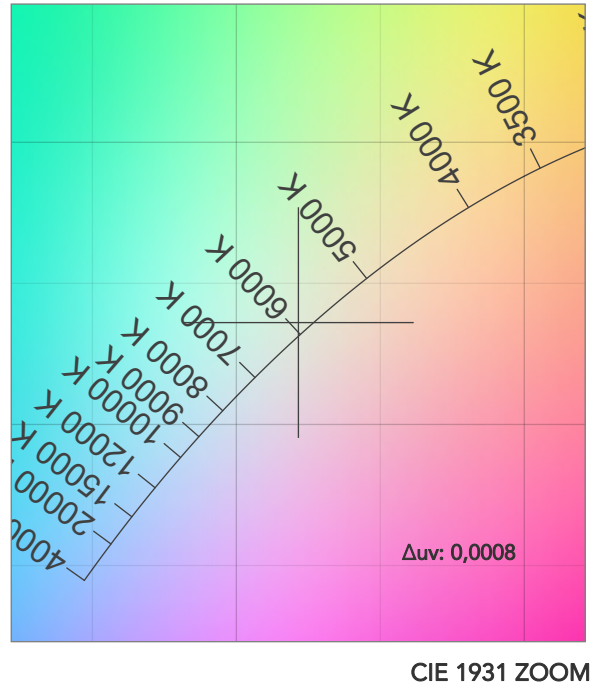
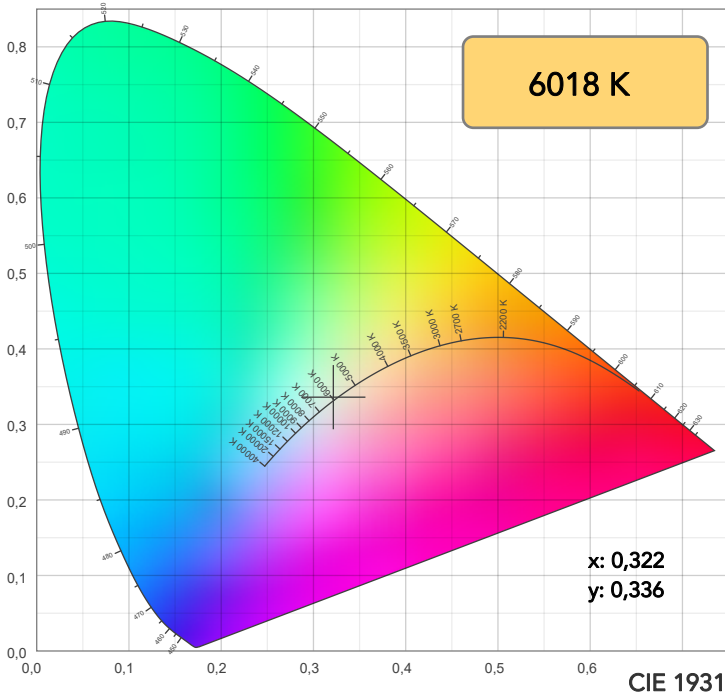
Beam angle 50%: 21,8°

Field angle 10%: 45°

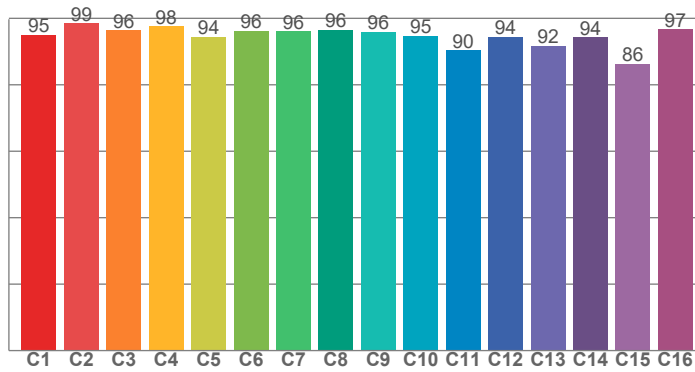
Cut off angle 2.5%: 54,1°

Spectra

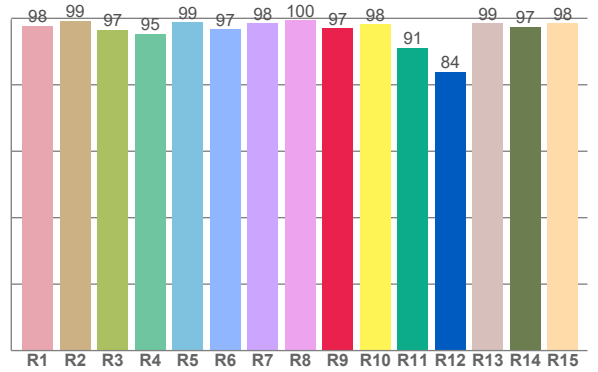




TM30: 94,7



CRI: 97,8 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 97,8 | 99,2 | 96,5 | 95,4 | 98,8 | 96,6 | 98,4 | 99,5 | 97,1 | 98,2 | 91,1 | 84,0 | 98,5 | 97,5 | 98,5 |

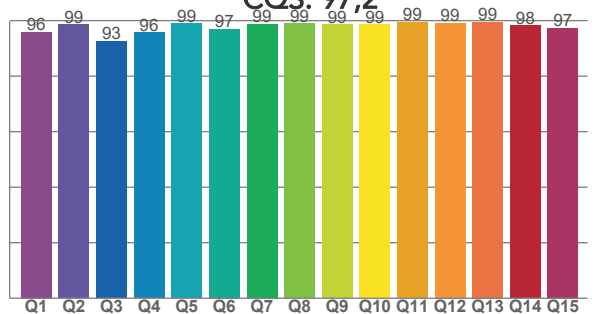
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,1 | 98,5 | 96,3 | 97,6 | 94,3 | 96,2 | 96,1 | 96,5 | 96,0 | 94,8 | 90,4 | 94,4 | 91,7 | 94,3 | 86,3 | 96,7 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 96,0 | 98,6 | 92,5 | 95,7 | 99,0 | 97,0 | 98,8 | 99,0 | 98,6 | 98,5 | 99,4 | 99,2 | 99,5 | 98,2 | 97,3 |

CQS: 97,2



COLOR PARAMETERS

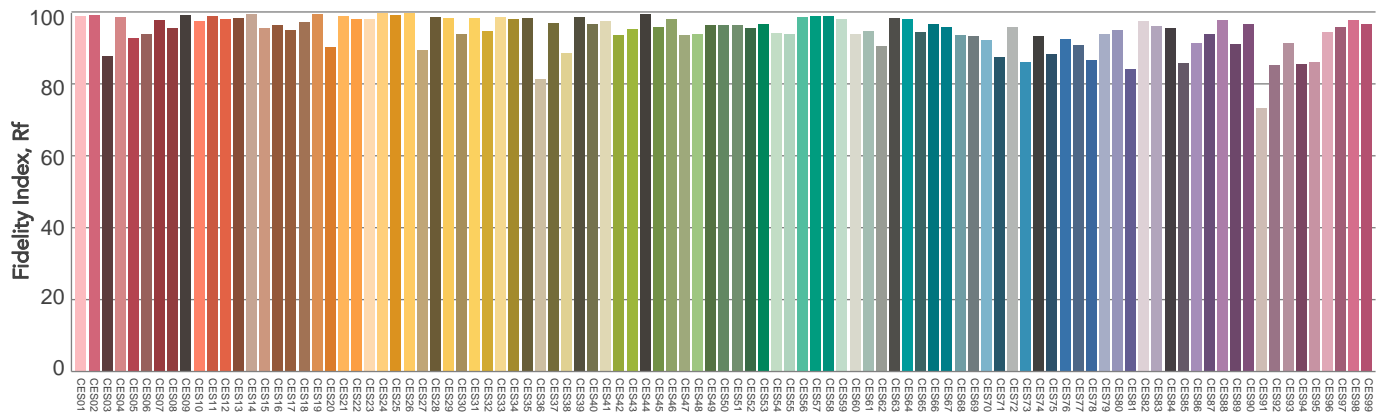
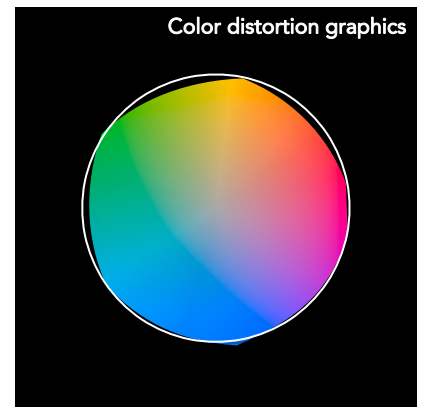
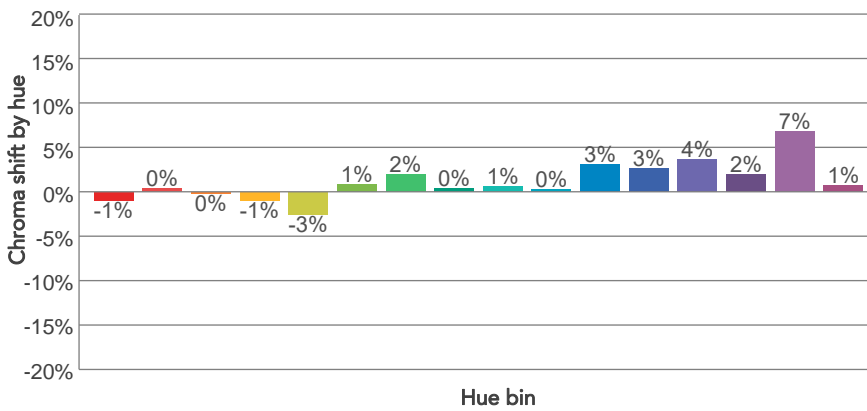
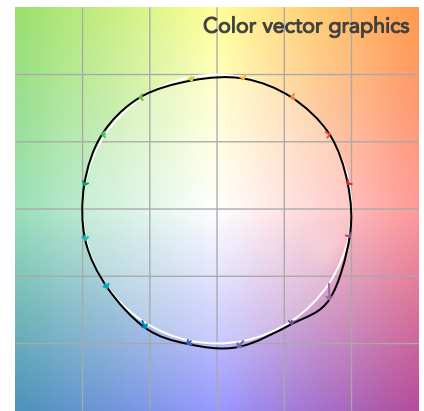
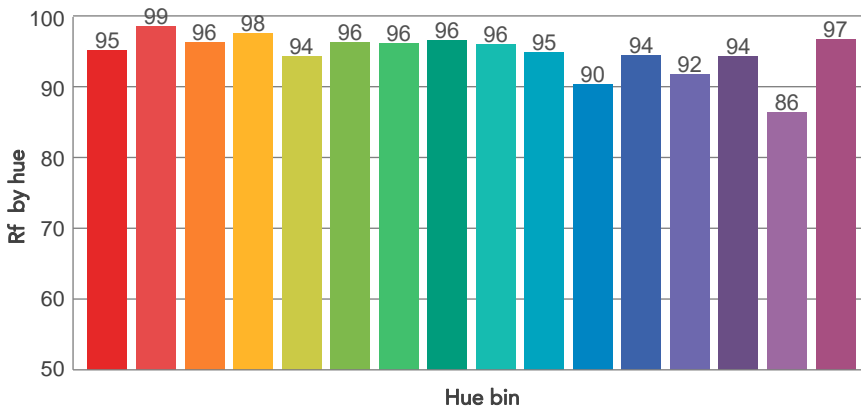
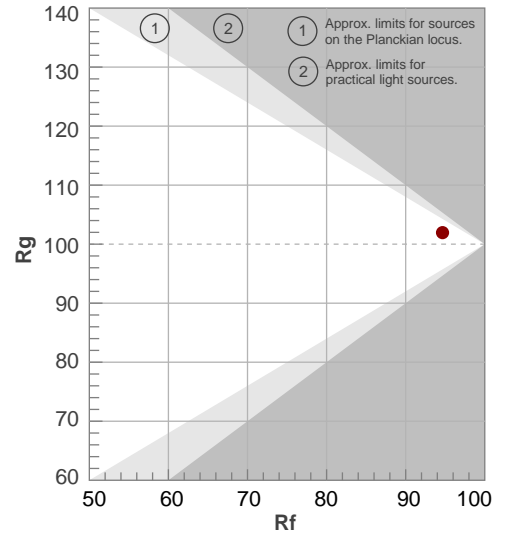
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 6018 K | 97,8 | 97,1 | 94,7 | 102,0 | 97,2 | 95 | 0,322 | 0,336 | 0,0008 |

TM30 DETAILS

Rf 94,7
Fidelity index Rf

Rg 102,0
Gammut index

| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|-----|
| | | Chroma | Hue |
| 1 | 95 | -1% | -1% |
| 2 | 99 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 98 | -1% | -1% |
| 5 | 94 | -3% | 0% |
| 6 | 96 | 1% | 2% |
| 7 | 96 | 2% | 1% |
| 8 | 96 | 0% | 2% |
| 9 | 96 | 1% | 3% |
| 10 | 95 | 0% | 3% |
| 11 | 90 | 3% | 5% |
| 12 | 94 | 3% | -2% |
| 13 | 92 | 4% | -5% |
| 14 | 94 | 2% | -1% |
| 15 | 86 | 7% | -9% |
| 16 | 97 | 1% | -1% |

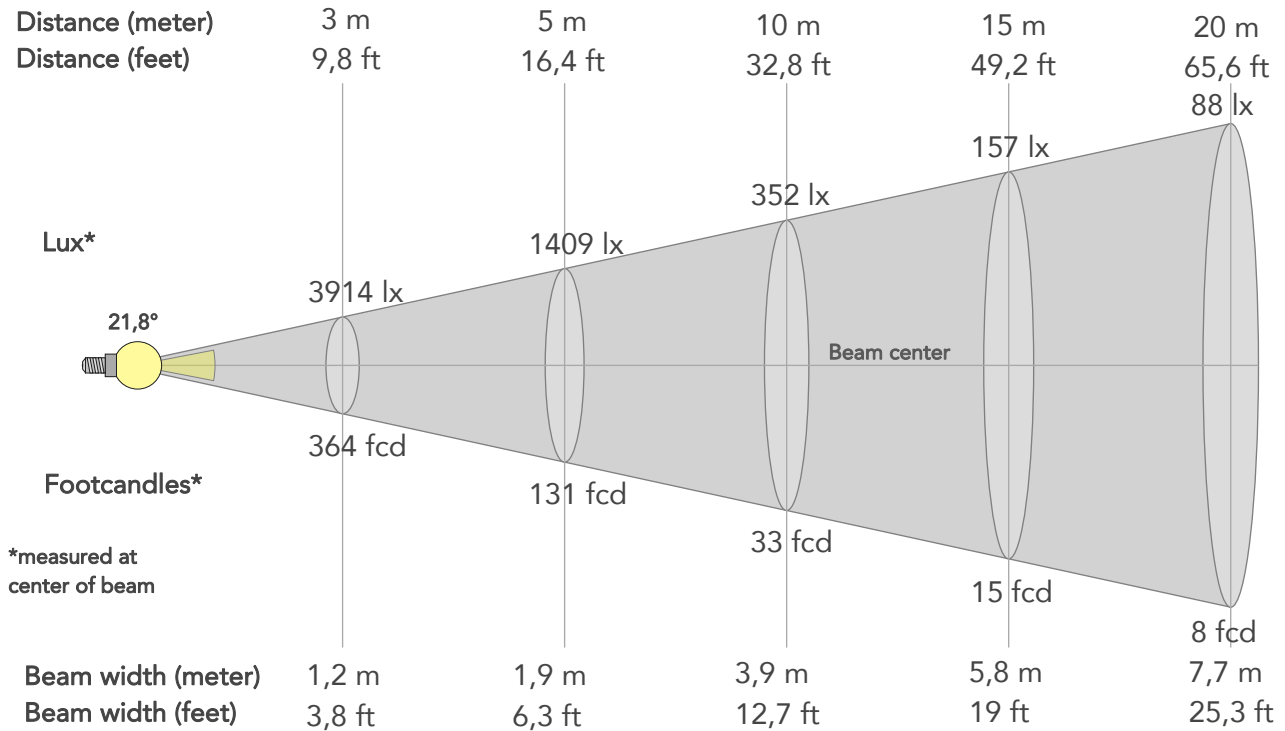


Color Evaluation Sample

BEAM DETAILS



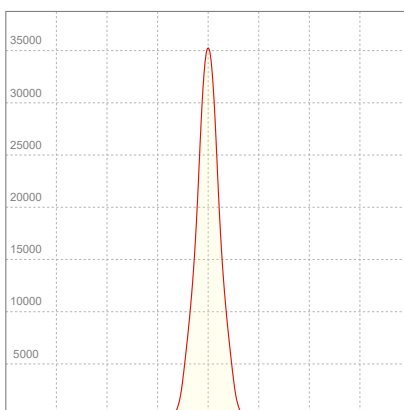
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 21,8° | 45° | 54,1° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 35224lx | 8806lx | 3914lx | 2202lx | 1409lx | 626lx | 352lx | 157lx | 88lx | 56lx | 39lx | 22lx | 14lx |
| Footcand. | 3272fcd | 818fcd | 364fcd | 205fcd | 131fcd | 58fcd | 33fcd | 15fcd | 8fcd | 5fcd | 4fcd | 2fcd | 1fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,5m | 1,9m | 2,9m | 3,9m | 5,8m | 7,7m | 9,6m | 11,6m | 15,4m | 19,3m |
| Beam wid. | 1,3ft | 2,5ft | 3,8ft | 5,1ft | 6,3ft | 9,5ft | 12,7ft | 19ft | 25,3ft | 31,6ft | 38ft | 50,6ft | 63,3ft |

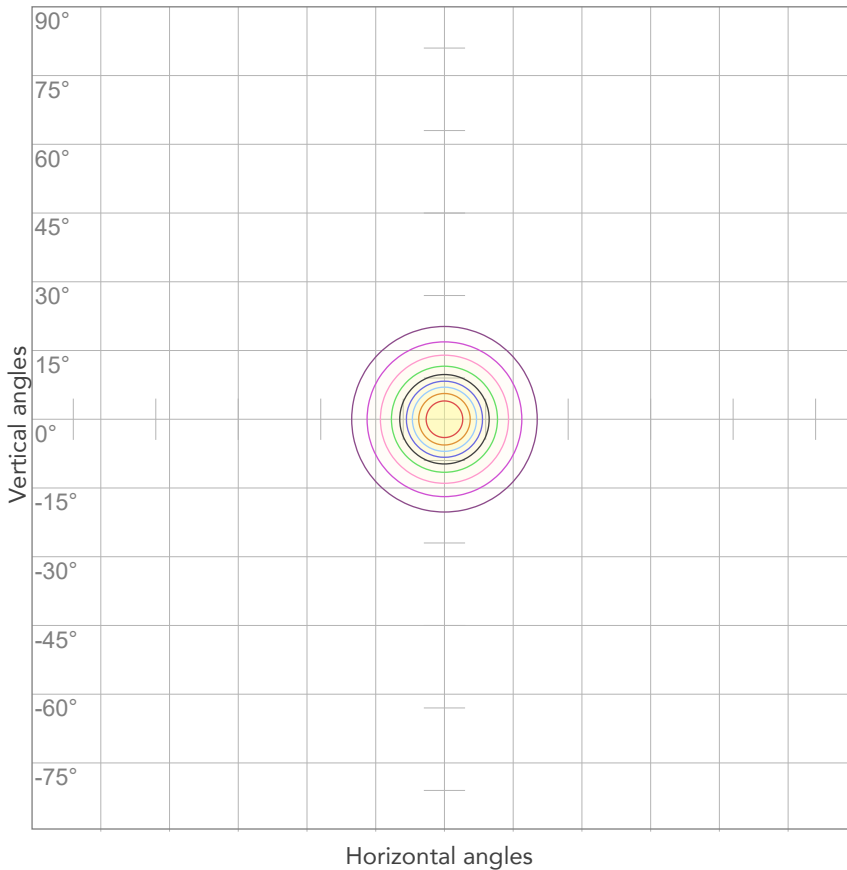
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 227V | 1,38A | 309,5W | 22lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 3522 cd |
| 20% | 7045 cd |
| 30% | 10567 cd |
| 40% | 14090 cd |
| 50% | 17612 cd |
| 60% | 21135 cd |
| 70% | 24657 cd |
| 80% | 28180 cd |

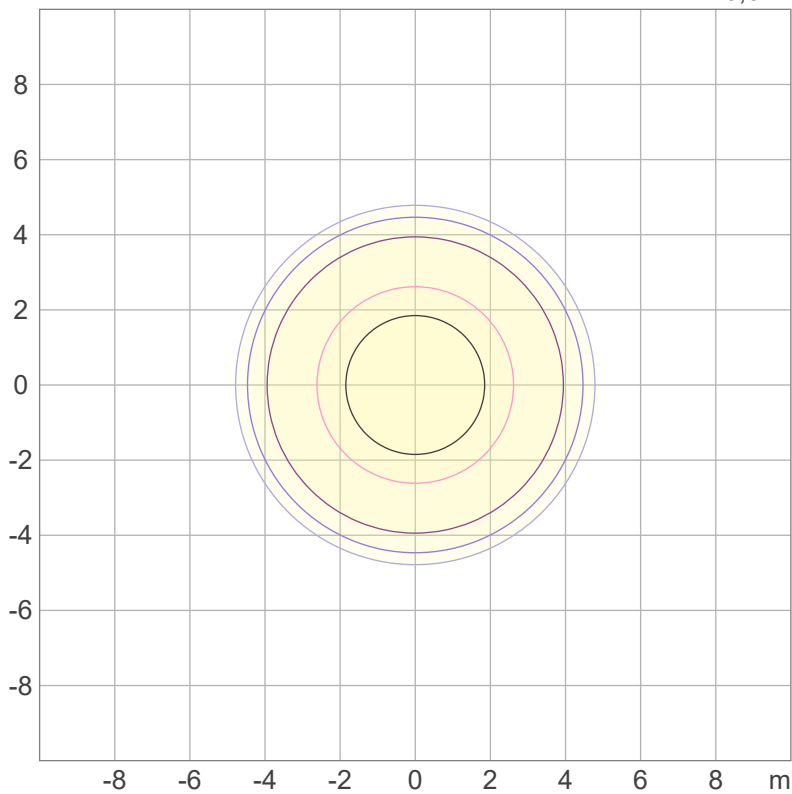
Conditions:

Number of c-planes: 2

Candela at center: 35224 cd

ISO LUX DIAGRAM

MH: 10,0 m



| | |
|-----|---------|
| 3% | 10,6 lx |
| 5% | 17,6 lx |
| 10% | 35,2 lx |
| 30% | 106 lx |
| 50% | 176 lx |

Conditions:

Number of c-planes: 2

Lux at center: 352 lx

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



Total lumen output:

3790 lm

Peak candela output:

94774 cd

Light quality:

CRI: 97,9

Color temperature:

5933 K

PRODUCT NAME:

ECLFRCTPLIP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

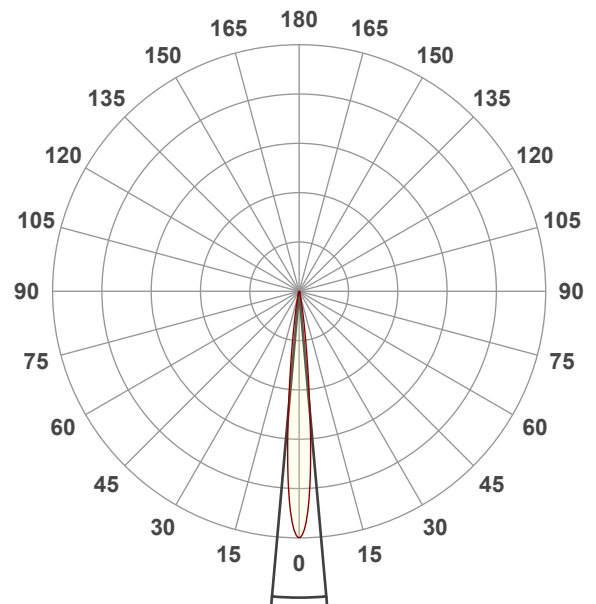
6000K - HQ

Operator:

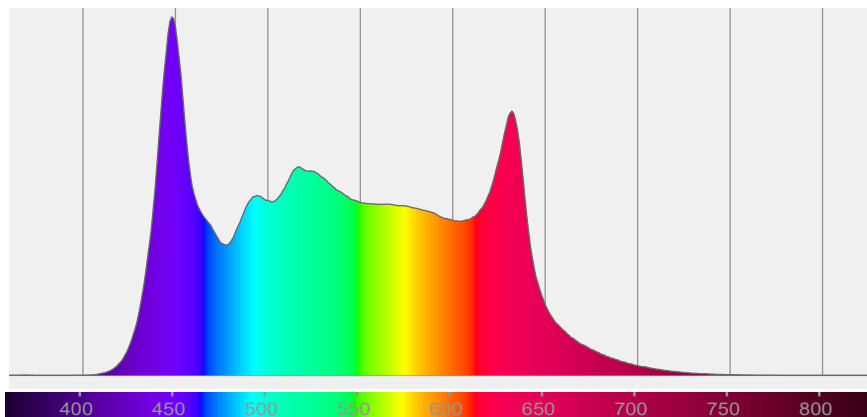
Salvatore Giglio

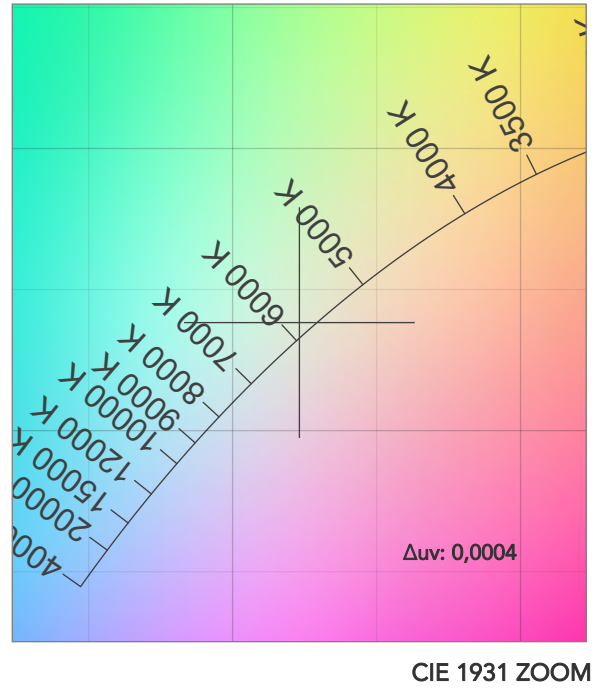
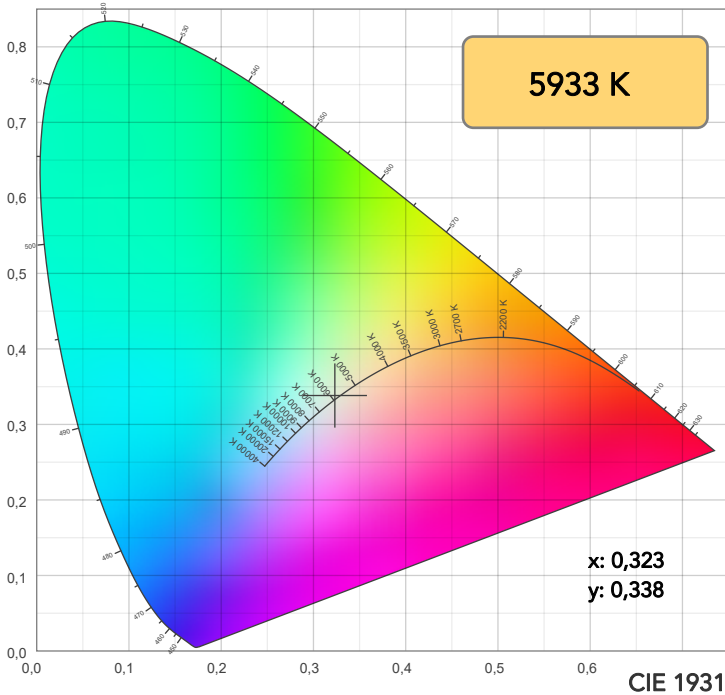
Date and time:

21/09/2023 12:34:21

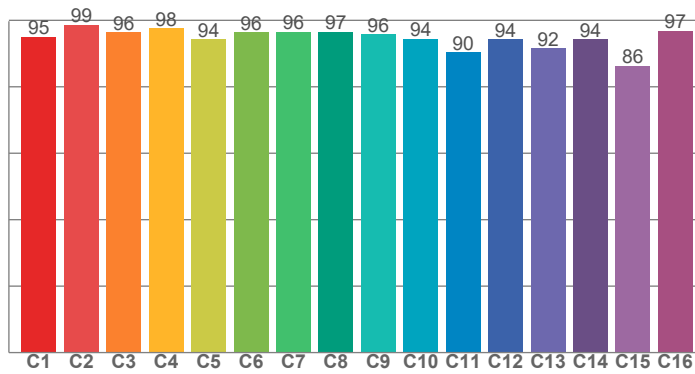


Spectra

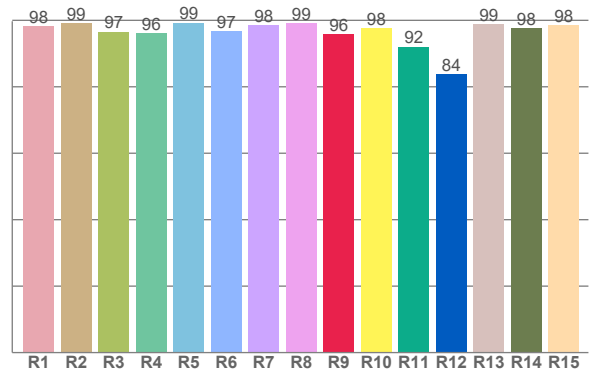




TM30: 94,6



CRI: 97,9 (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 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 98,2 | 99,1 | 96,6 | 96,1 | 99,3 | 96,7 | 98,5 | 99,1 | 95,7 | 97,6 | 92,1 | 83,7 | 98,9 | 97,5 | 98,5 |

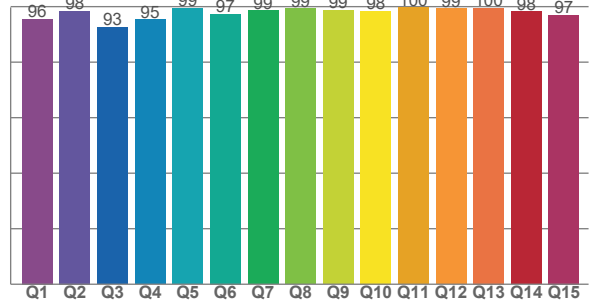
TM30 C values, 16 binned values out of total of 99 C values

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 | C13 | C14 | C15 | C16 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,0 | 98,6 | 96,4 | 97,6 | 94,2 | 96,4 | 96,5 | 96,5 | 95,8 | 94,4 | 90,4 | 94,3 | 91,5 | 94,3 | 86,2 | 96,8 |

CQS Q values

| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 95,6 | 98,4 | 92,6 | 95,4 | 99,4 | 97,3 | 98,6 | 99,3 | 98,7 | 98,5 | 99,6 | 99,4 | 99,5 | 98,2 | 97,0 |

CQS: 97,1



COLOR PARAMETERS

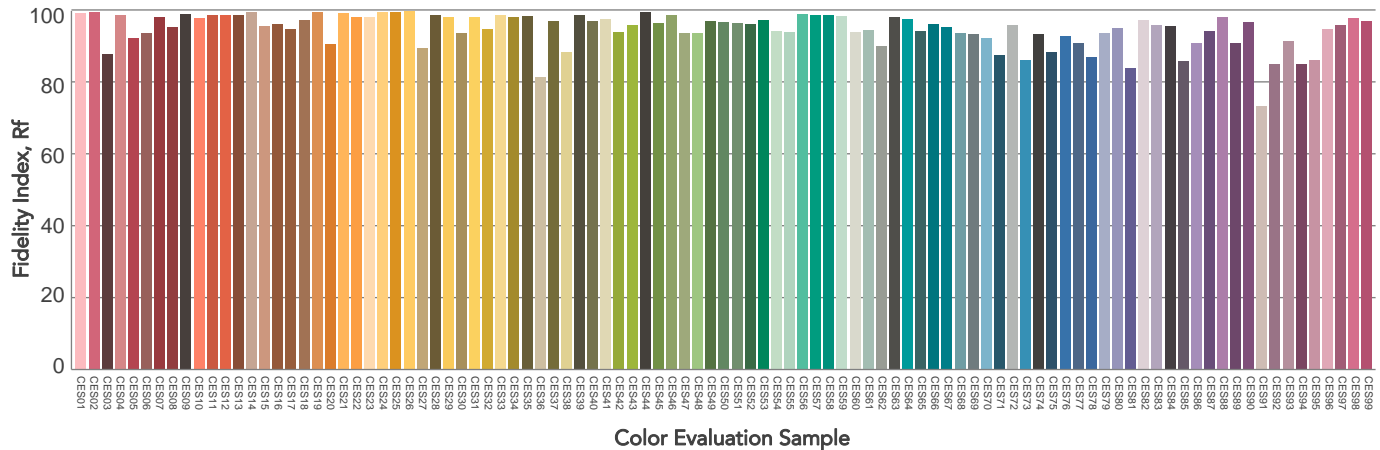
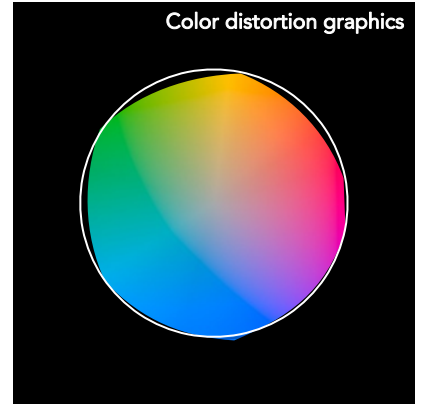
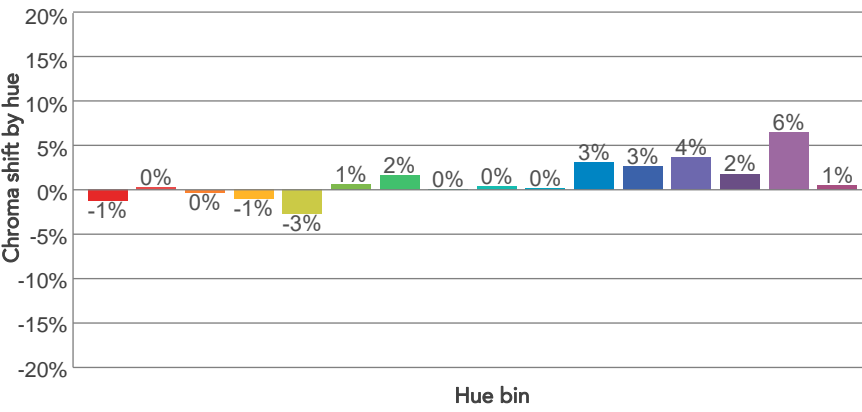
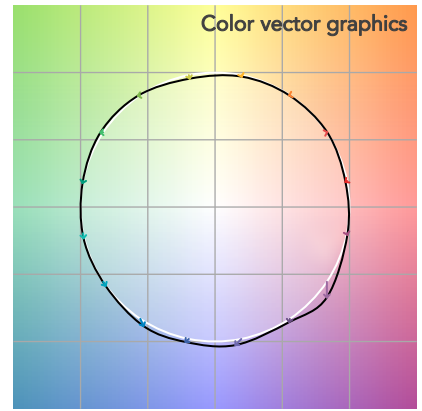
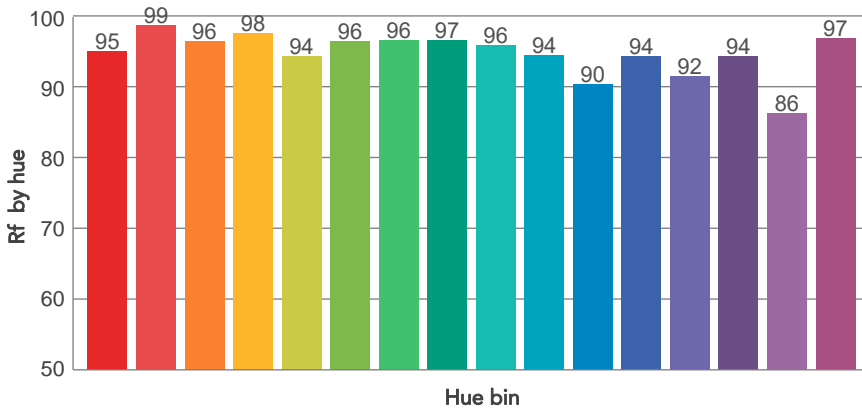
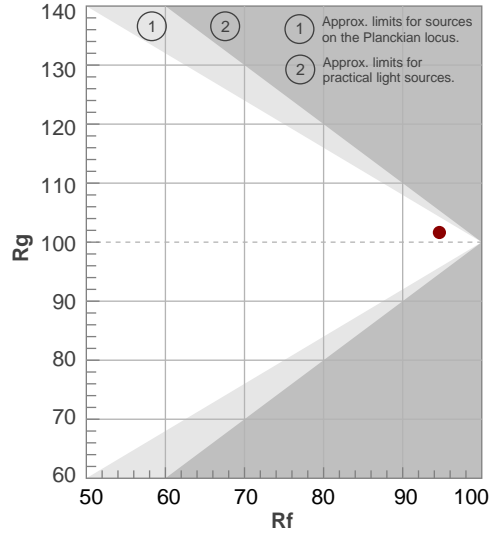
| Color temperature | Color rendering index | Red component | Color fidelity | Color gamut | Color quality scale | Television lighting index | Color coordinate cie 1931 | Color coordinate cie 1931 | Color deviation from black body |
|-------------------|-----------------------|---------------|----------------|-------------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| CCT | CRI | CRI R9 | TM30 Rf | TM30 Rg | CQS | TLCI | x | y | Δuv |
| 5933 K | 97,9 | 95,7 | 94,6 | 101,6 | 97,1 | 95 | 0,323 | 0,338 | 0,0004 |

TM30 DETAILS

Rf 94,6
Fidelity index Rf

Rg 101,6
Gammut index

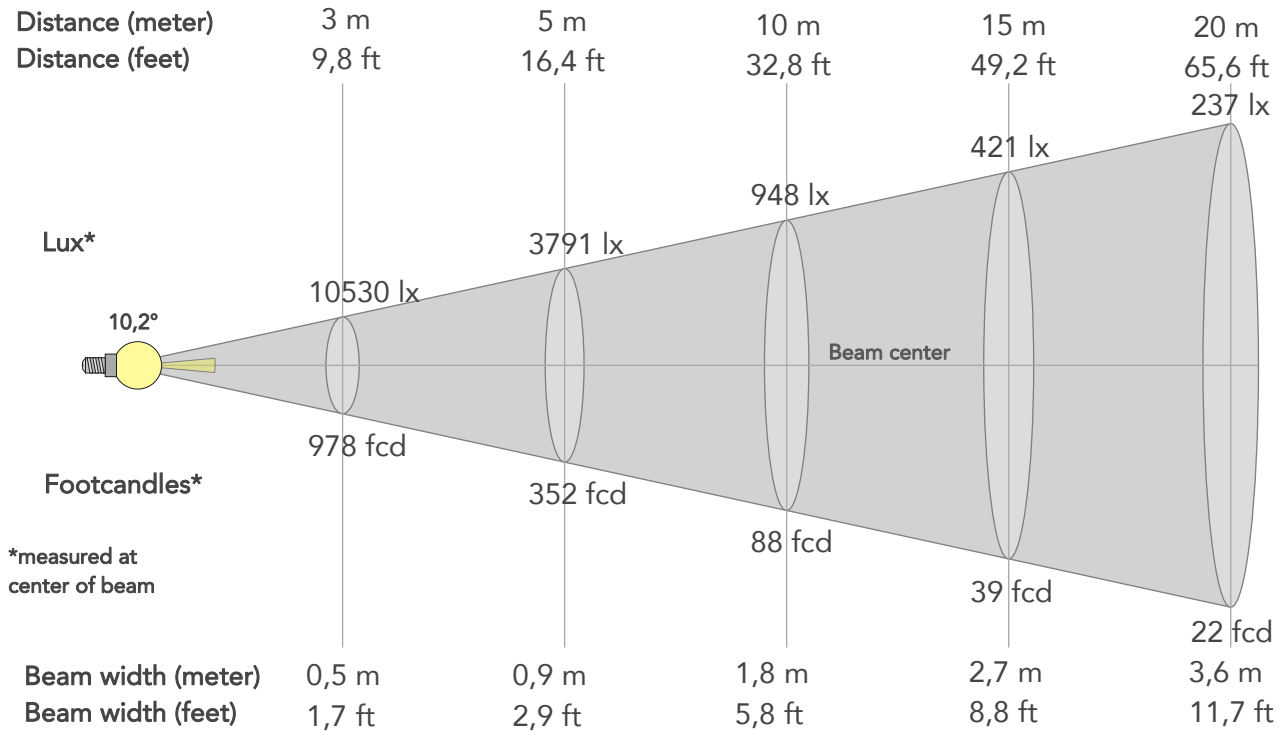
| Hue Bin | R _f | Graphic shifts (%) | |
|---------|----------------|--------------------|------|
| | | Chroma | Hue |
| 1 | 95 | -1% | -1% |
| 2 | 99 | 0% | 0% |
| 3 | 96 | 0% | 0% |
| 4 | 98 | -1% | -1% |
| 5 | 94 | -3% | 0% |
| 6 | 96 | 1% | 2% |
| 7 | 96 | 2% | 1% |
| 8 | 97 | 0% | 2% |
| 9 | 96 | 0% | 4% |
| 10 | 94 | 0% | 4% |
| 11 | 90 | 3% | 5% |
| 12 | 94 | 3% | -2% |
| 13 | 92 | 4% | -5% |
| 14 | 94 | 2% | -2% |
| 15 | 86 | 6% | -10% |
| 16 | 97 | 1% | -1% |



BEAM DETAILS



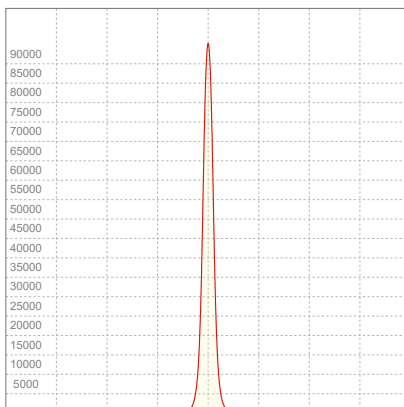
| | | | | |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
| 10,2° | 18,9° | 26,8° | 100,0% | 100,0% |



BEAM INTENSITIES AND WIDTHS

| | | | | | | | | | | | | | |
|-----------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 94774lx | 23694lx | 10530lx | 5923lx | 3791lx | 1685lx | 948lx | 421lx | 237lx | 152lx | 105lx | 59lx | 38lx |
| Footcand. | 8805fcd | 2201fcd | 978fcd | 550fcd | 352fcd | 157fcd | 88fcd | 39fcd | 22fcd | 14fcd | 10fcd | 6fcd | 4fcd |
| Beam wid. | 0,2m | 0,4m | 0,5m | 0,7m | 0,9m | 1,3m | 1,8m | 2,7m | 3,6m | 4,5m | 5,3m | 7,1m | 8,9m |
| Beam wid. | 0,6ft | 1,2ft | 1,7ft | 2,3ft | 2,9ft | 4,4ft | 5,8ft | 8,8ft | 11,7ft | 14,6ft | 17,5ft | 23,4ft | 29,2ft |

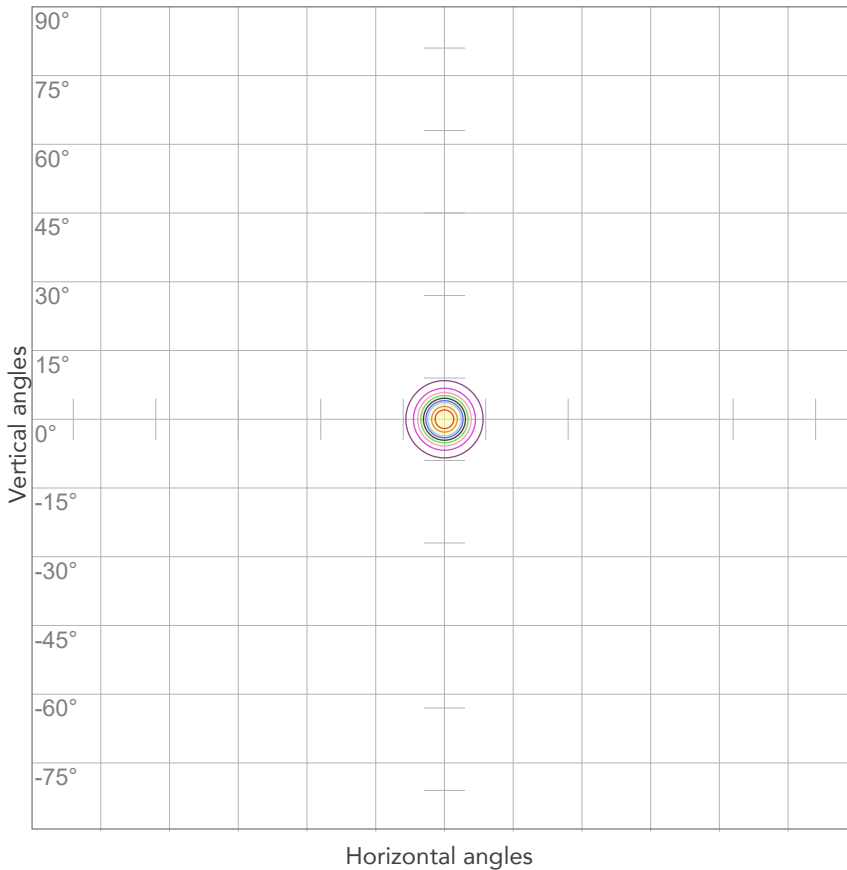
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

| | | | |
|---------------|---------------|-------------|------------|
| Input voltage | Input current | Input power | Effeciency |
| 225V | 1,42A | 317,1W | 12lm/W |

ISO CANDELA DIAGRAM



| | |
|-----|----------|
| 10% | 9477 cd |
| 20% | 18955 cd |
| 30% | 28432 cd |
| 40% | 37910 cd |
| 50% | 47387 cd |
| 60% | 56864 cd |
| 70% | 66342 cd |
| 80% | 75819 cd |

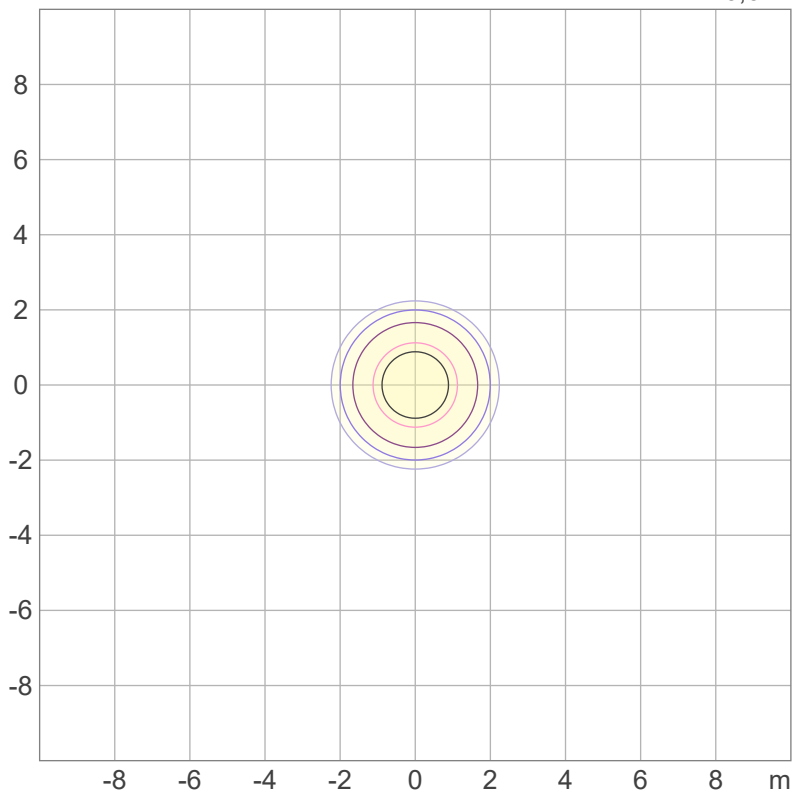
Conditions:

Number of c-planes: 2

Candela at center: 94774 cd

ISO LUX DIAGRAM

MH: 10,0 m



Mounting height: 10 meters (33 feet)

| | |
|-----|---------|
| 3% | 28,4 lx |
| 5% | 47,4 lx |
| 10% | 94,8 lx |
| 30% | 284 lx |
| 50% | 474 lx |

Conditions:

Number of c-planes: 2

Lux at center: 948 lx

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