



Photometric Test Report



Smart Bat

Wireless battery operated portable uplighter,
4x8W RGBW/FC LEDs

CONTENTS

| | |
|-----------------------------|----------|
| Table of contents | 2 |
| Testing process | 3 |
| Color preset Full on | |
| 15° Original Lens | 4 |
| 25° Lens | 7 |
| 45° Lens | 10 |
| Color preset Red | |
| 15° Original Lens | 13 |
| 25° Lens | 16 |
| 45° Lens | 19 |
| Color preset Green | |
| 15° Original Lens | 21 |
| 25° Lens | 24 |
| 45° Lens | 27 |
| Color preset Blue | |
| 15° Original Lens | 30 |
| 25° Lens | 33 |
| 45° Lens | 36 |
| Color preset White | |
| 15° Original Lens | 39 |
| 25° Lens | 41 |
| 45° Lens | 44 |

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:

1354 lm

Peak candela output:

18259 cd

PRODUCT NAME:
SMARTBAT

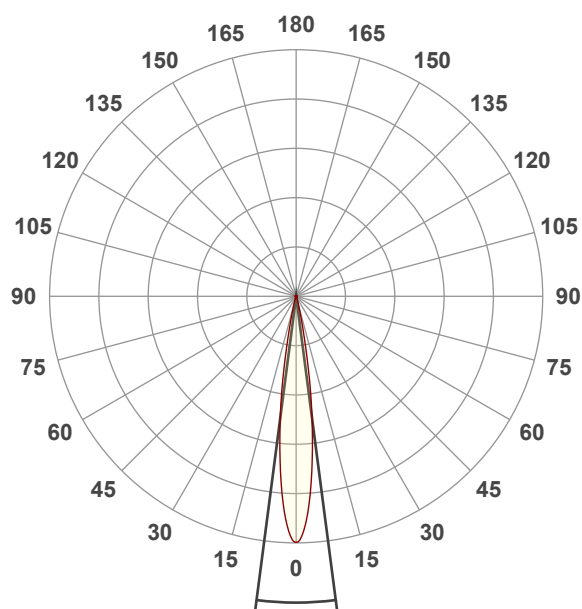
MEASUREMENT CONDITIONS:

Beam angle:
Original Lens - 15deg

Target:
Full On

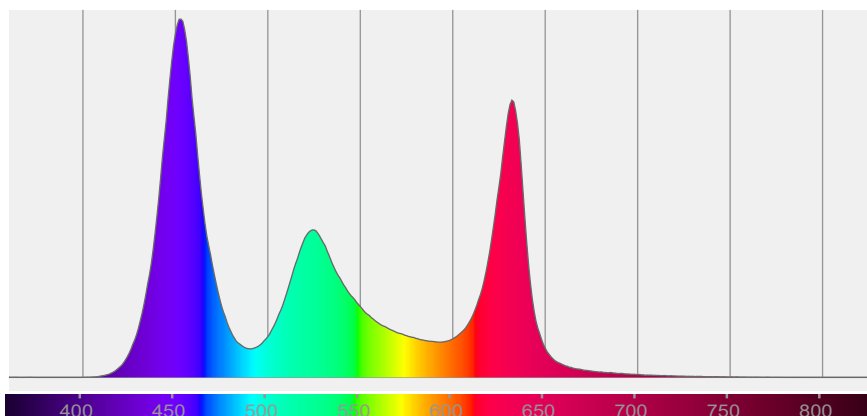
Operator:
Salvatore Giglio

Date and time:
06/02/2025 10:15:23



Beam angle 50%: 14,9°
Field angle 10%: 25,2°
Cut off angle 2.5%: 34°

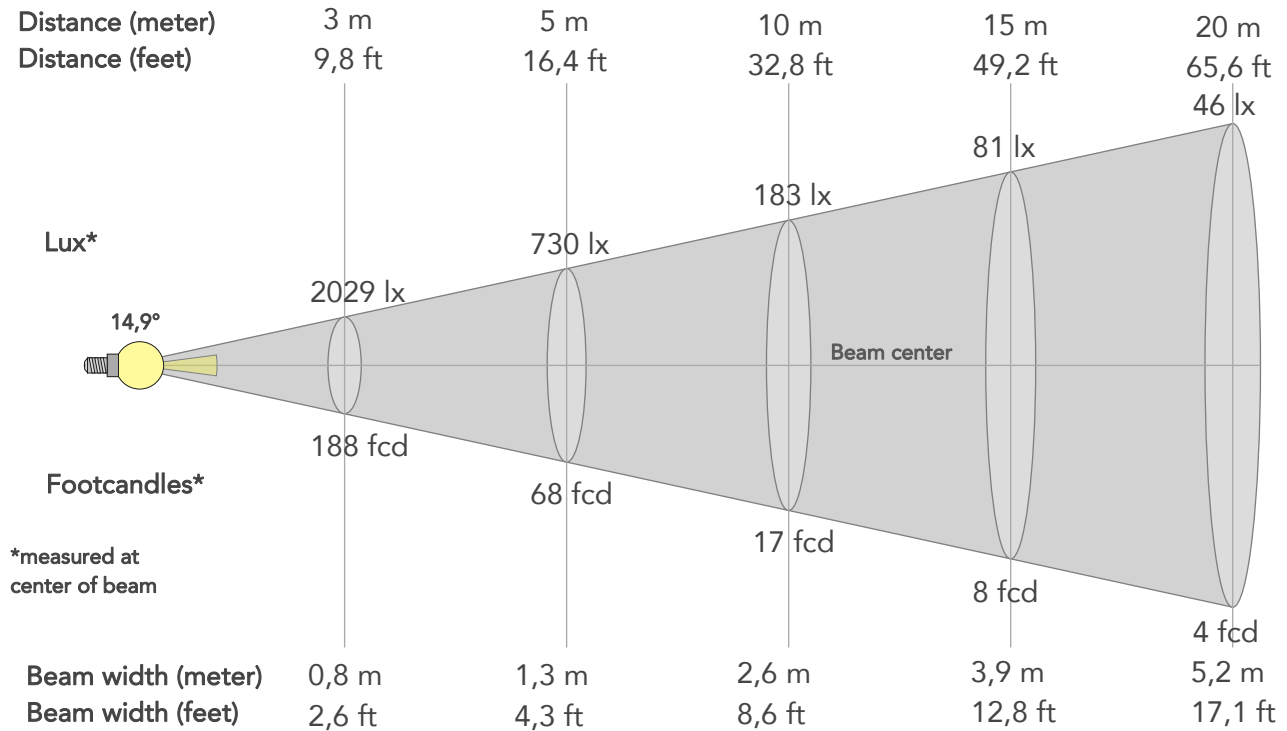
Spectra



BEAM DETAILS



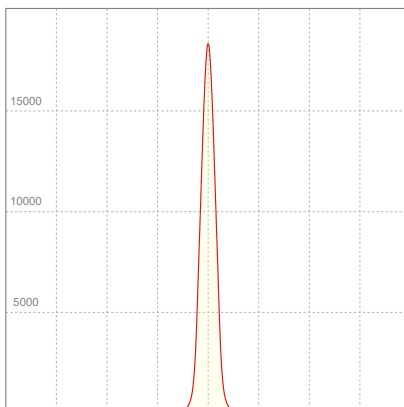
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 14,9° | 25,2° | 34° | 100,0% | 99,8% |



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 | 18259lx | 4565lx | 2029lx | 1141lx | 730lx | 325lx | 183lx | 81lx | 46lx | 29lx | 20lx | 11lx | 7lx |
| Footcand. | 1696fcd | 424fcd | 188fcd | 106fcd | 68fcd | 30fcd | 17fcd | 8fcd | 4fcd | 3fcd | 2fcd | 1fcd | 1fcd |
| Beam wid. | 0,3m | 0,5m | 0,8m | 1m | 1,3m | 2m | 2,6m | 3,9m | 5,2m | 6,5m | 7,8m | 10,4m | 13m |
| Beam wid. | 0,9ft | 1,7ft | 2,6ft | 3,4ft | 4,3ft | 6,4ft | 8,6ft | 12,8ft | 17,1ft | 21,4ft | 25,7ft | 34,2ft | 42,8ft |

LINEAR DISTRIBUTION DIAGRAM

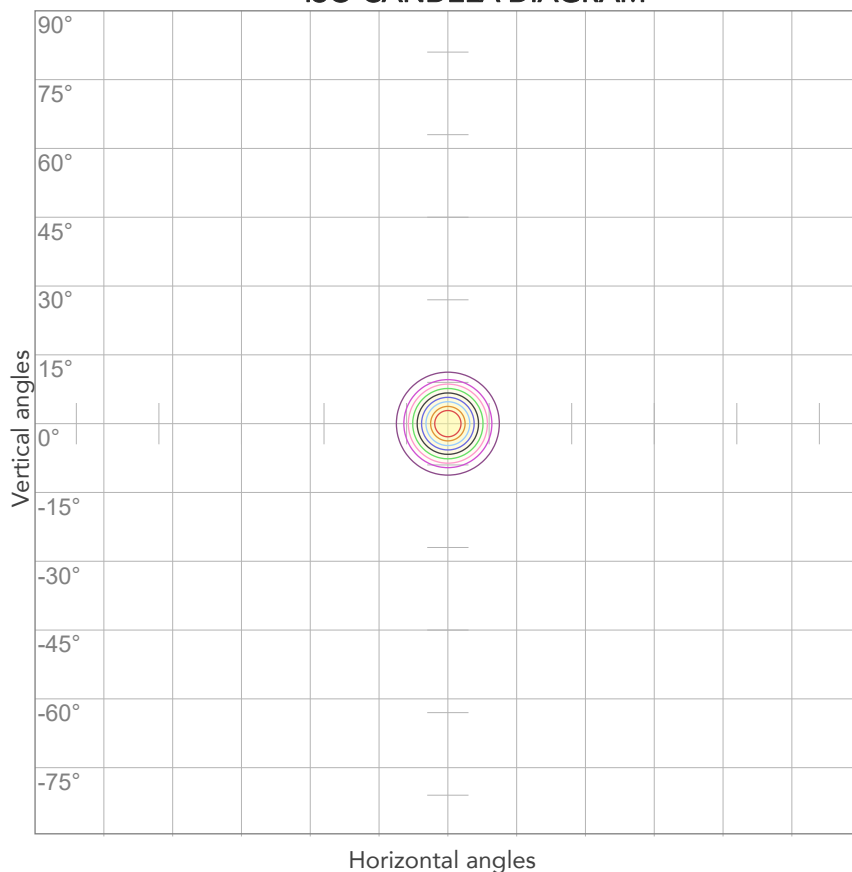


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,184A | 39,4W | 0,94 | 34lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



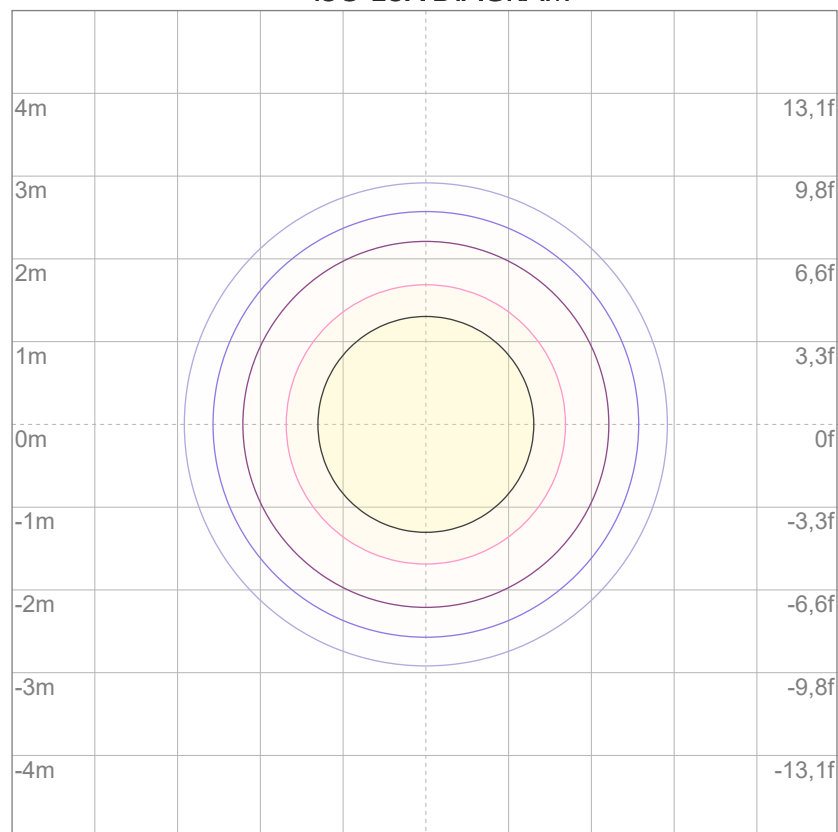
| | |
|-----|----------|
| 10% | 1826 cd |
| 20% | 3652 cd |
| 30% | 5478 cd |
| 40% | 7304 cd |
| 50% | 9129 cd |
| 60% | 10955 cd |
| 70% | 12781 cd |
| 80% | 14607 cd |

Conditions:

Number of c-planes: 2

Candela at center: 18259 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 5,48 lx |
| 5% | 9,13 lx |
| 10% | 18,3 lx |
| 30% | 54,8 lx |
| 50% | 91,3 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:

1398 lm

Peak candela output:

7487 cd

PRODUCT NAME:
SMARTBAT

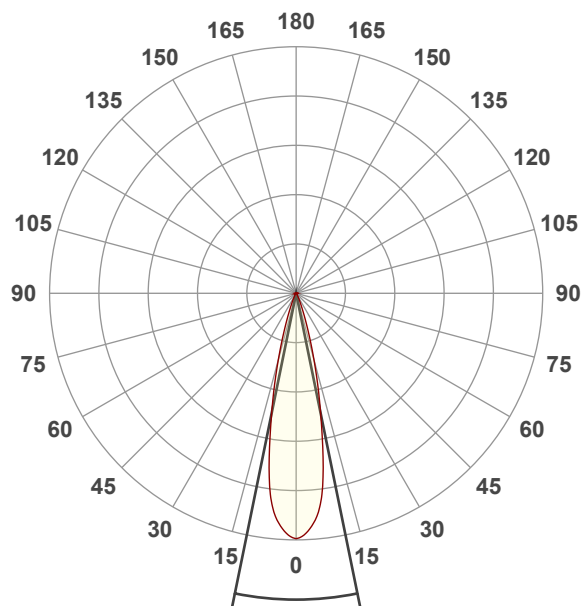
MEASUREMENT CONDITIONS:

Beam angle:
25deg Lens

Target:
Full On

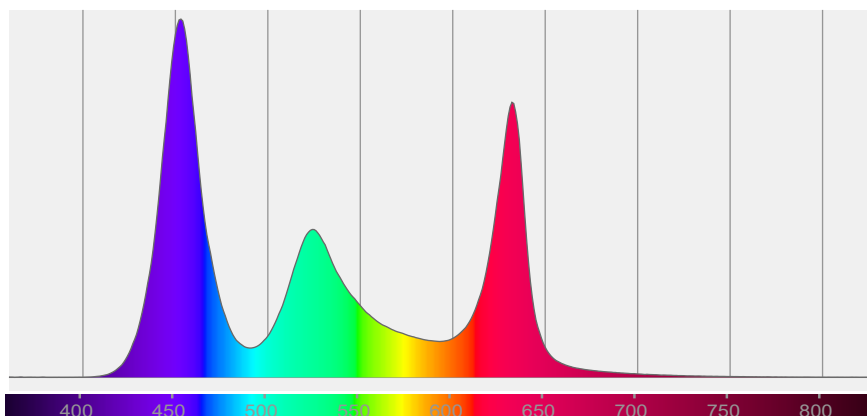
Operator:
Salvatore Giglio

Date and time:
06/02/2025 11:07:53



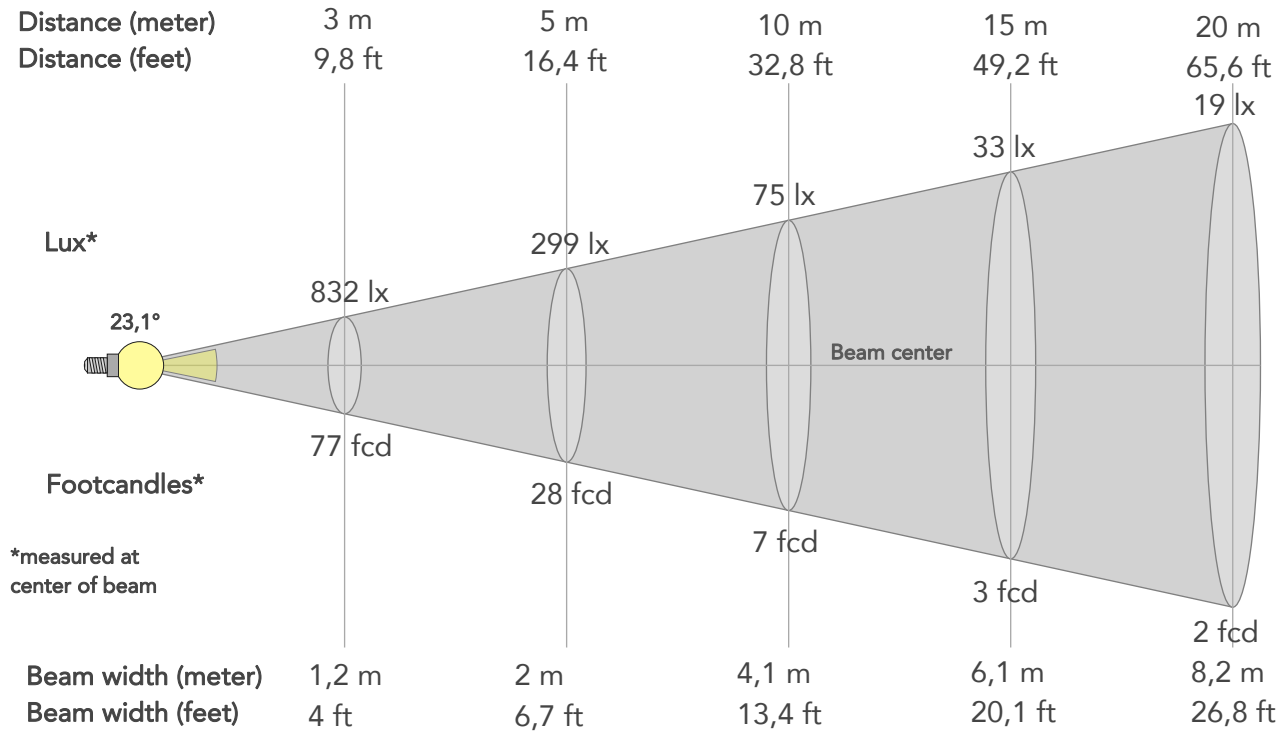
Beam angle 50%: 23,1°
Field angle 10%: 39,6°
Cut off angle 2.5%: 53,1°

Spectra



BEAM DETAILS

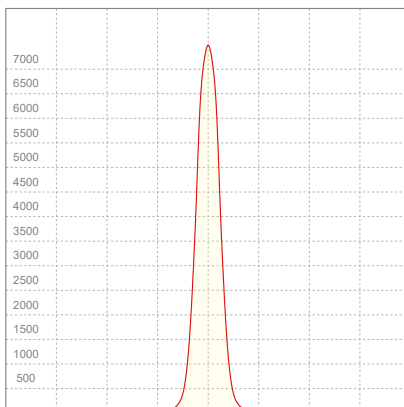
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 23,1° | 39,6° | 53,1° | 99,3% | 97,6% |



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 | 7487lx | 1872lx | 832lx | 468lx | 299lx | 133lx | 75lx | 33lx | 19lx | 12lx | 8lx | 5lx | 3lx |
| Footcand. | 696fcd | 174fcd | 77fcd | 43fcd | 28fcd | 12fcd | 7fcd | 3fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,6m | 2m | 3,1m | 4,1m | 6,1m | 8,2m | 10,2m | 12,2m | 16,3m | 20,4m |
| Beam wid. | 1,3ft | 2,7ft | 4ft | 5,3ft | 6,7ft | 10ft | 13,4ft | 20,1ft | 26,8ft | 33,5ft | 40,2ft | 53,6ft | 67ft |

LINEAR DISTRIBUTION DIAGRAM

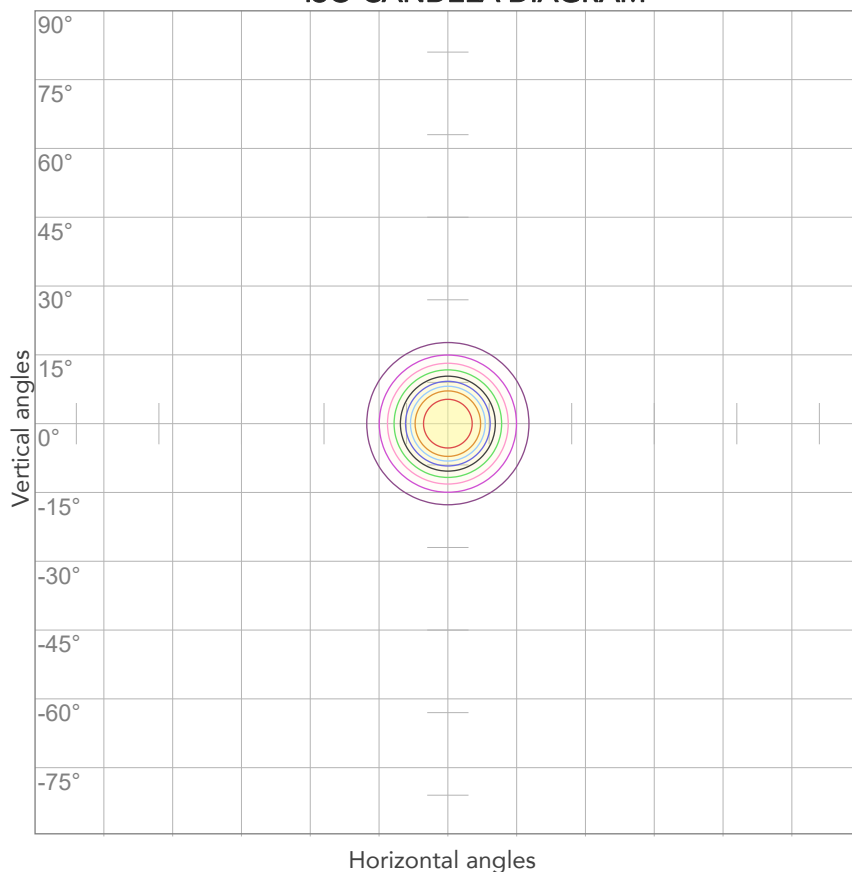


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,185A | 39,7W | 0,94 | 35lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



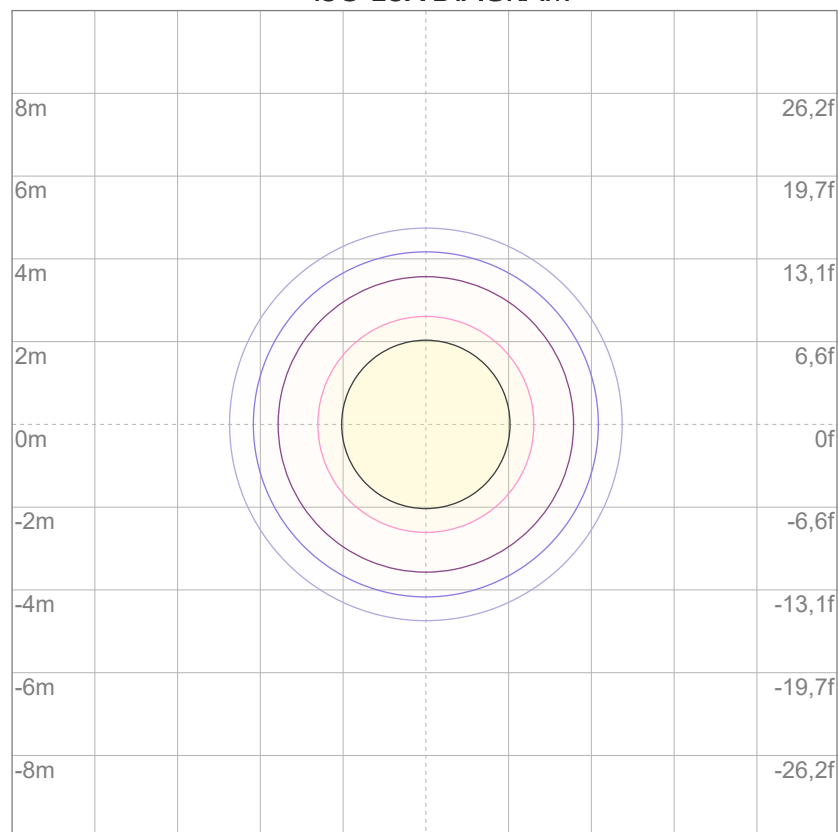
| | |
|-----|---------|
| 10% | 749 cd |
| 20% | 1497 cd |
| 30% | 2246 cd |
| 40% | 2995 cd |
| 50% | 3743 cd |
| 60% | 4492 cd |
| 70% | 5241 cd |
| 80% | 5989 cd |

Conditions:

Number of c-planes: 2

Candela at center: 7487 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 2,25 lx |
| 5% | 3,74 lx |
| 10% | 7,49 lx |
| 30% | 22,5 lx |
| 50% | 37,4 lx |

Conditions:

Number of c-planes: 2

Lux at center: 74,9 lx

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



Total lumen output:

1317 lm

Peak candela output:

2113 cd

PRODUCT NAME:

SMARTBAT

MEASUREMENT CONDITIONS:

Beam angle:

45deg Lens

Target:

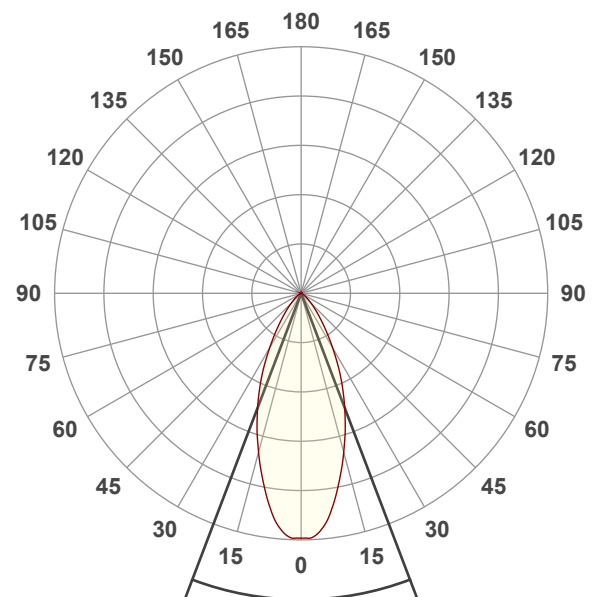
Full On

Operator:

Salvatore Giglio

Date and time:

06/02/2025 10:47:52

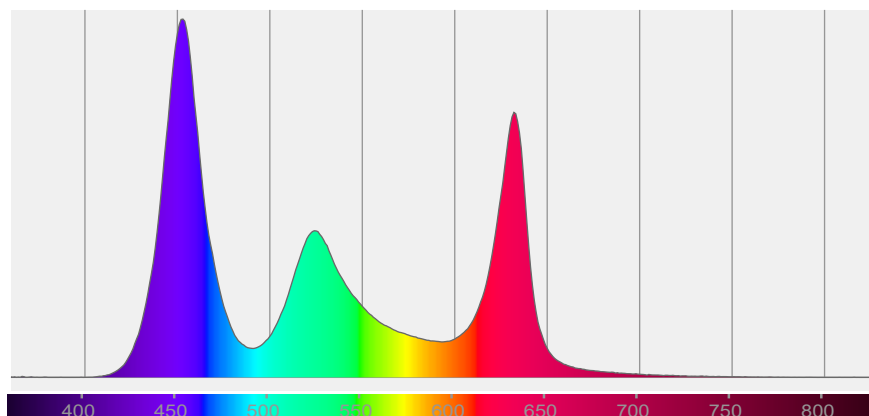


Beam angle 50%: 41,6°

Field angle 10%: 79,6°

Cut off angle 2.5%: 105,9°

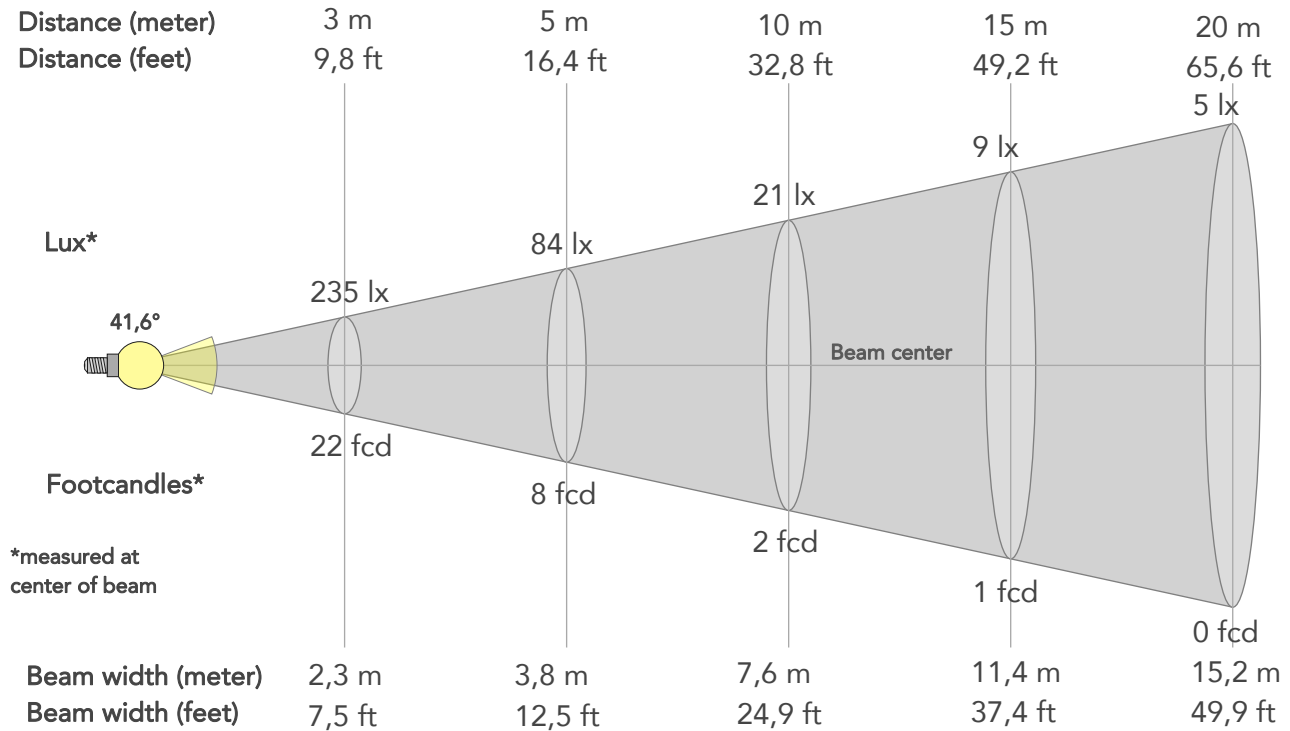
Spectra



BEAM DETAILS



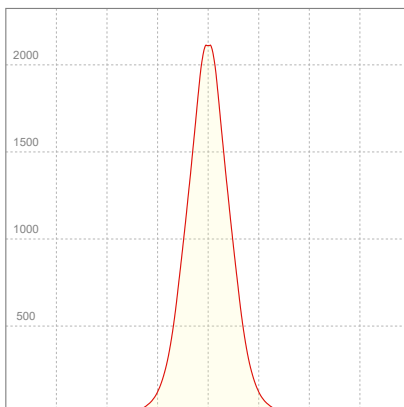
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 41,6° | 79,6° | 105,9° | 98,8% | 93,0% |



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 | 2111lx | 528lx | 235lx | 132lx | 84lx | 38lx | 21lx | 9lx | 5lx | 3lx | 2lx | 1lx | 1lx |
| Footcand. | 196fcd | 49fcd | 22fcd | 12fcd | 8fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,8m | 1,5m | 2,3m | 3m | 3,8m | 5,7m | 7,6m | 11,4m | 15,2m | 19m | 22,8m | 30,4m | 38m |
| Beam wid. | 2,5ft | 5ft | 7,5ft | 10ft | 12,5ft | 18,7ft | 24,9ft | 37,4ft | 49,9ft | 62,3ft | 74,8ft | 99,7ft | 124,7ft |

LINEAR DISTRIBUTION DIAGRAM

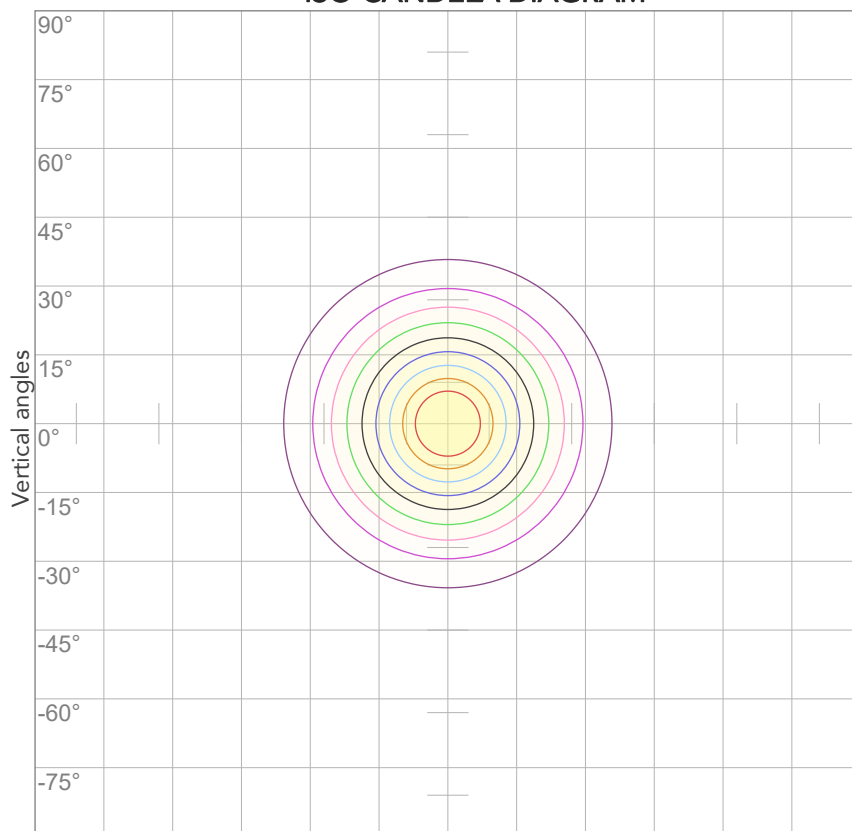


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,185A | 39,5W | 0,94 | 33lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



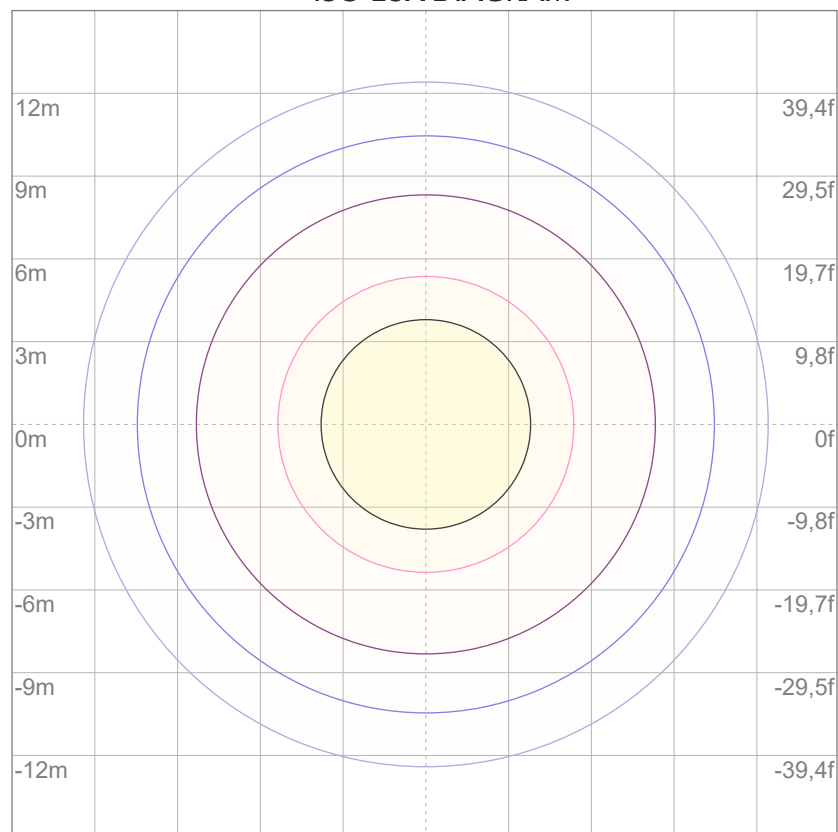
| | |
|-----|---------|
| 10% | 211 cd |
| 20% | 422 cd |
| 30% | 633 cd |
| 40% | 845 cd |
| 50% | 1056 cd |
| 60% | 1267 cd |
| 70% | 1478 cd |
| 80% | 1689 cd |

Conditions:

Number of c-planes: 2

Candela at center: 2111 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,633 lx |
| 5% | 1,06 lx |
| 10% | 2,11 lx |
| 30% | 6,33 lx |
| 50% | 10,6 lx |

Conditions:

Number of c-planes: 2

Lux at center: 21,1 lx

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



Total lumen output:

281 lm

Peak candela output:

4118 cd

PRODUCT NAME:
SMARTBAT

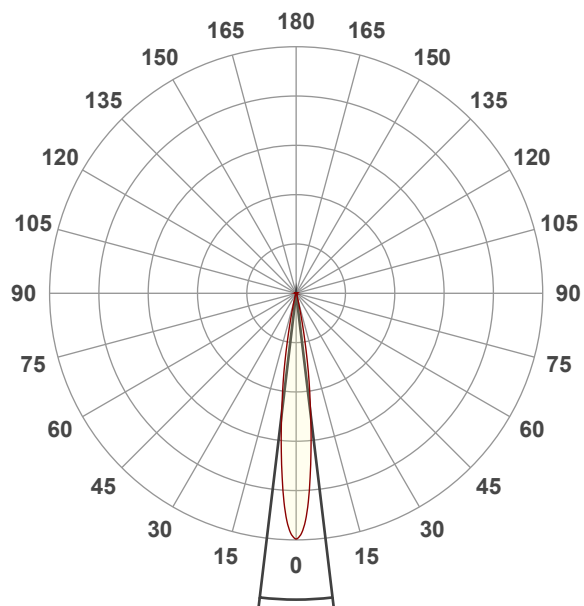
MEASURAMENT CONDITIONS:

Beam angle:
Original Lens - 15deg

Target:
Red

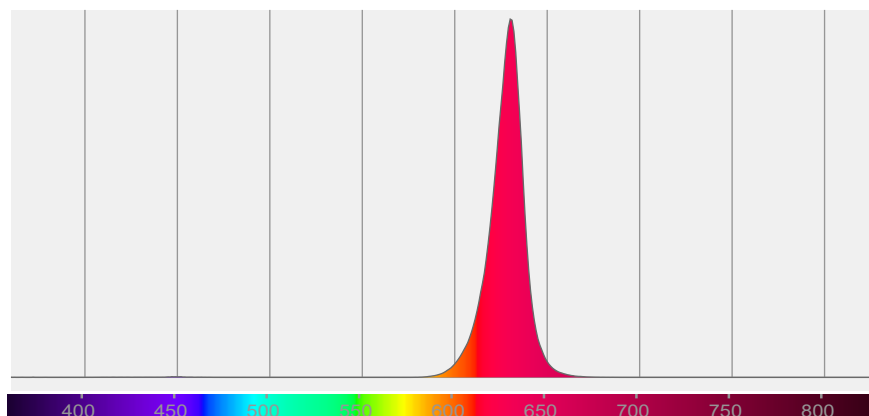
Operator:
Salvatore Giglio

Date and time:
06/02/2025 10:17:08



Beam angle 50%: 13,6°
Field angle 10%: 24,3°
Cut off angle 2.5%: 32,3°

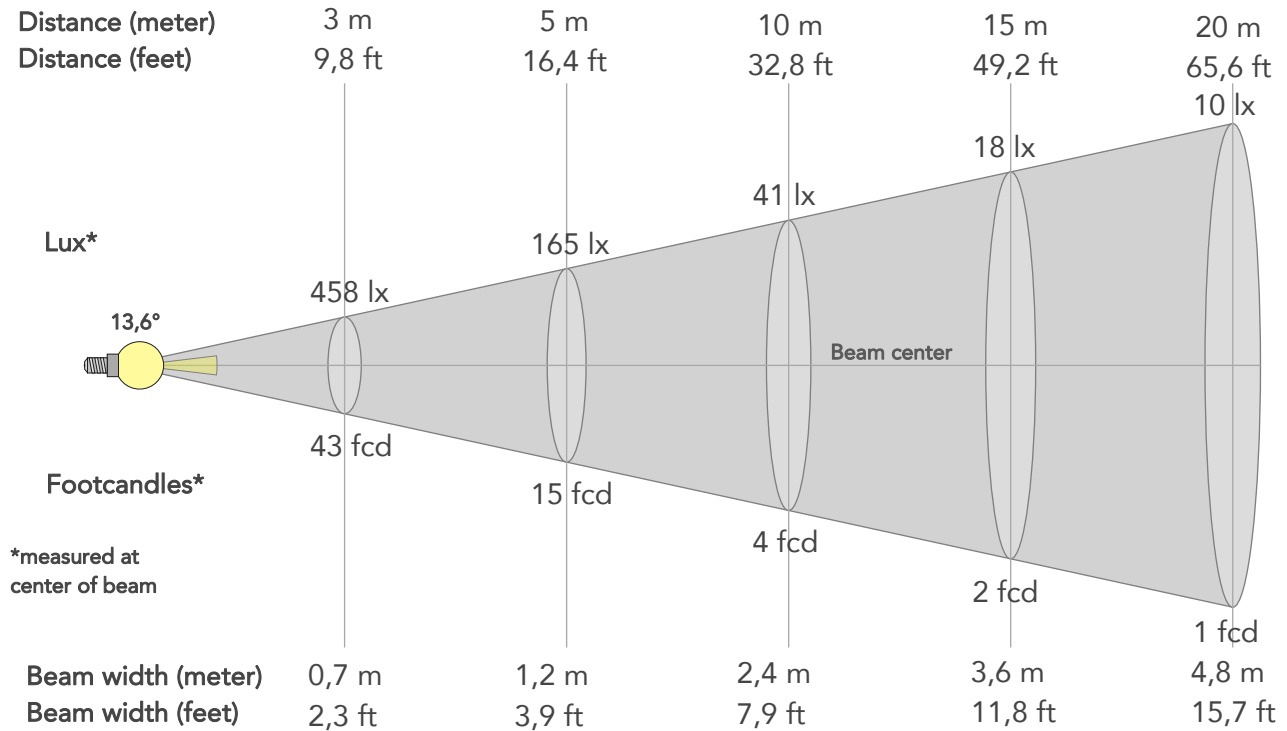
Spectra



BEAM DETAILS



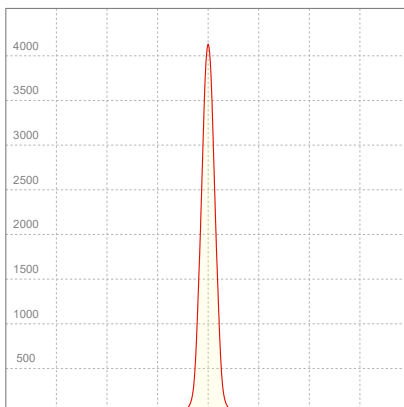
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 13,6° | 24,3° | 32,3° | 99,9% | 99,2% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 4118lx | 1030lx | 458lx | 257lx | 165lx | 73lx | 41lx | 18lx | 10lx | 7lx | 5lx | 3lx | 2lx |
| Footcand. | 383fcd | 96fcd | 43fcd | 24fcd | 15fcd | 7fcd | 4fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,2m | 0,5m | 0,7m | 1m | 1,2m | 1,8m | 2,4m | 3,6m | 4,8m | 6m | 7,2m | 9,6m | 12m |
| Beam wid. | 0,8ft | 1,6ft | 2,3ft | 3,1ft | 3,9ft | 5,9ft | 7,9ft | 11,8ft | 15,7ft | 19,6ft | 23,6ft | 31,4ft | 39,3ft |

LINEAR DISTRIBUTION DIAGRAM

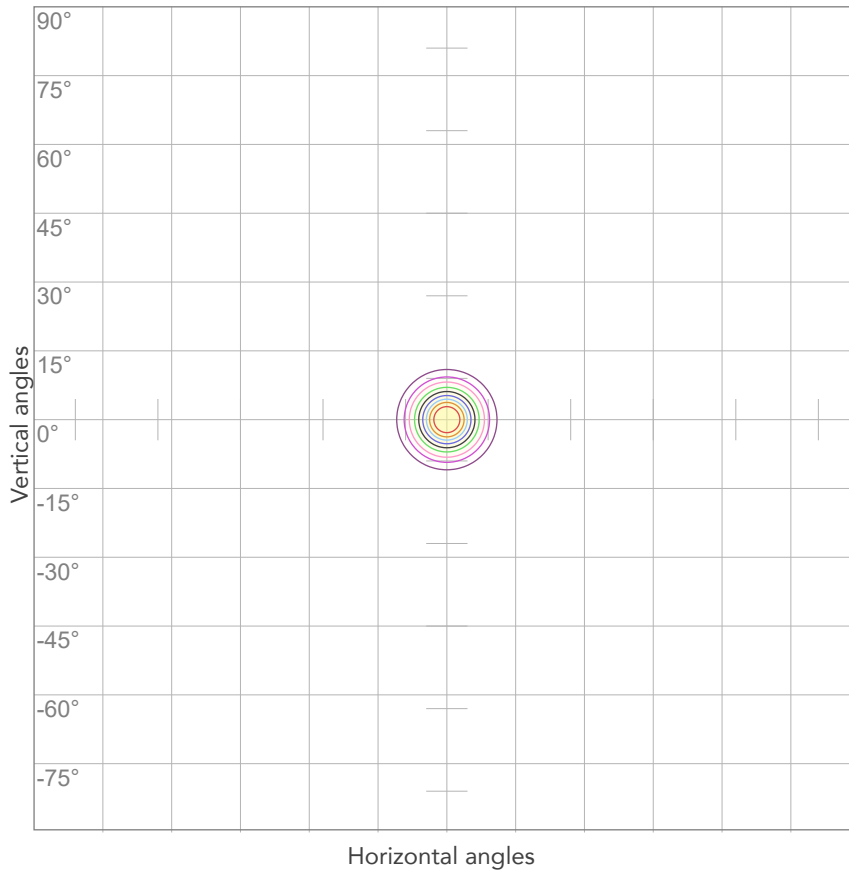


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,186A | 40,0W | 0,95 | 7lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



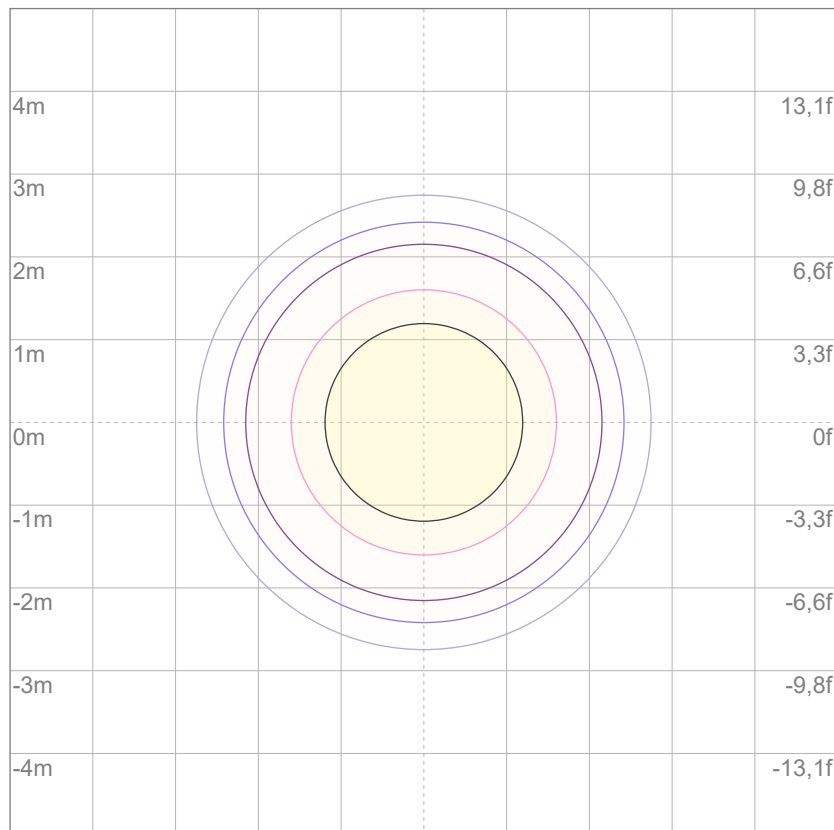
| | |
|-----|---------|
| 10% | 412 cd |
| 20% | 824 cd |
| 30% | 1235 cd |
| 40% | 1647 cd |
| 50% | 2059 cd |
| 60% | 2471 cd |
| 70% | 2883 cd |
| 80% | 3294 cd |

Conditions:

Number of c-planes: 2

Candela at center: 4118 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 1,24 lx |
| 5% | 2,06 lx |
| 10% | 4,12 lx |
| 30% | 12,4 lx |
| 50% | 20,6 lx |

Conditions:

Number of c-planes: 2

Lux at center: 41,2 lx

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



Total lumen output:

273 lm

Peak candela output:

1566 cd

PRODUCT NAME:

SMARTBAT

MEASURAMENT CONDITIONS:

Beam angle:

25deg Lens

Target:

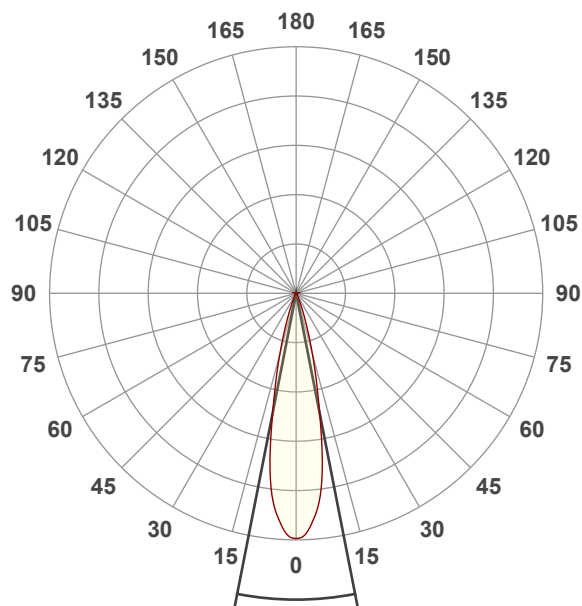
Red

Operator:

Salvatore Giglio

Date and time:

06/02/2025 11:09:26

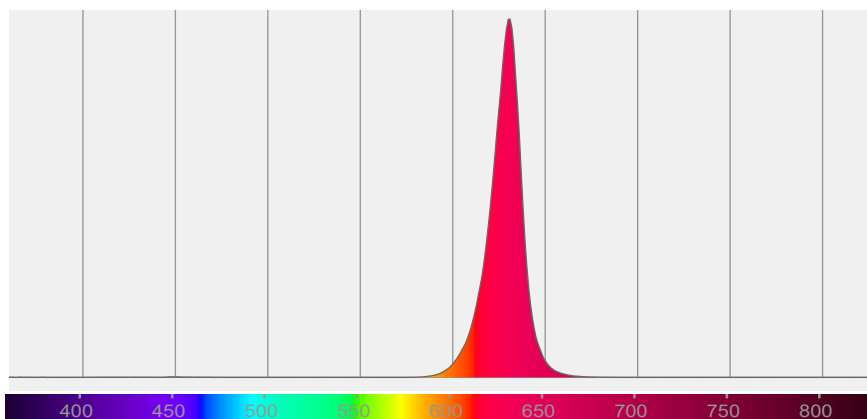


Beam angle 50%: 22,2°

Field angle 10%: 38,6°

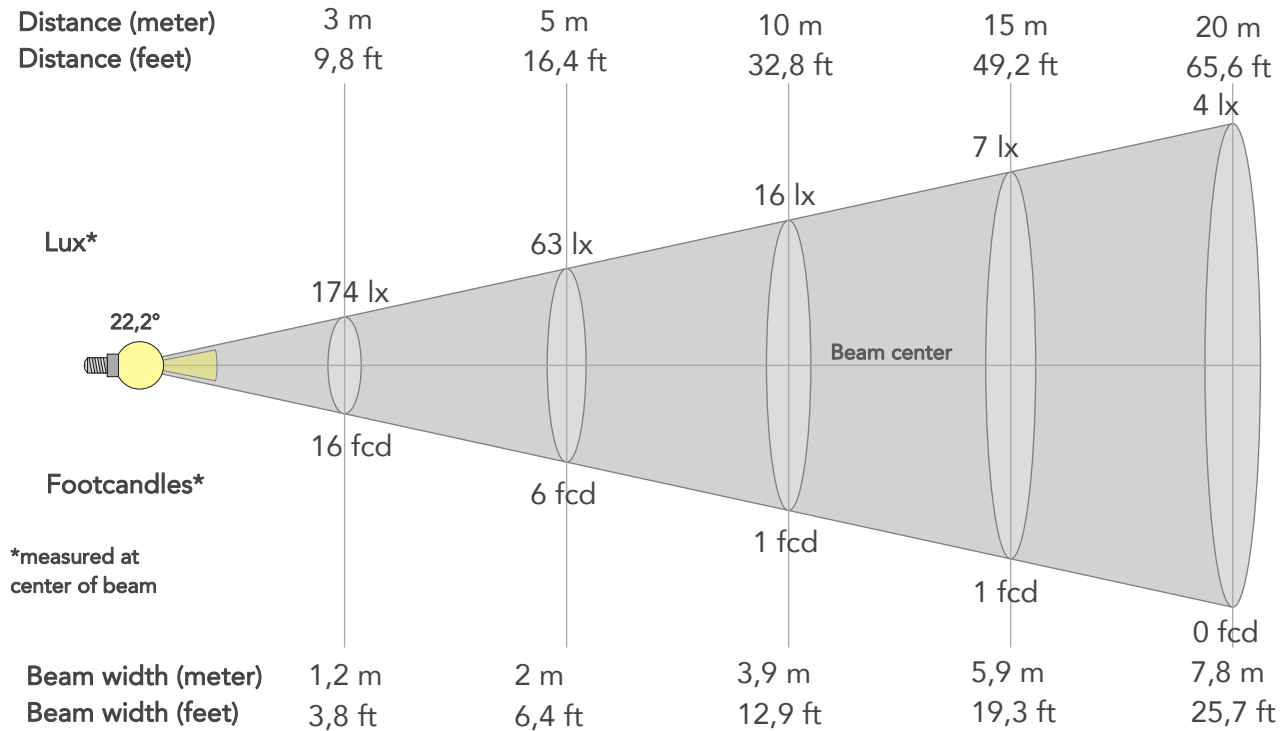
Cut off angle 2.5%: 50,3°

Spectra



BEAM DETAILS

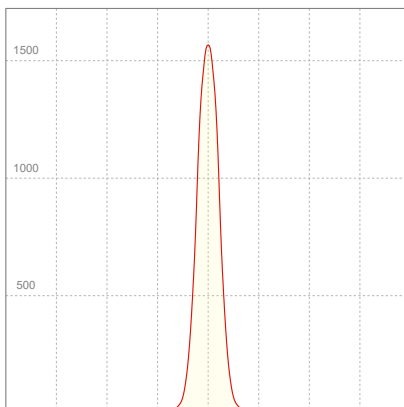
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 22,2° | 38,6° | 50,3° | 99,0% | 97,3% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 1566lx | 391lx | 174lx | 98lx | 63lx | 28lx | 16lx | 7lx | 4lx | 3lx | 2lx | 1lx | 1lx |
| Footcand. | 145fcd | 36fcd | 16fcd | 9fcd | 6fcd | 3fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,6m | 2m | 2,9m | 3,9m | 5,9m | 7,8m | 9,8m | 11,8m | 15,7m | 19,6m |
| Beam wid. | 1,3ft | 2,6ft | 3,8ft | 5,1ft | 6,4ft | 9,6ft | 12,9ft | 19,3ft | 25,7ft | 32,2ft | 38,6ft | 51,5ft | 64,3ft |

LINEAR DISTRIBUTION DIAGRAM

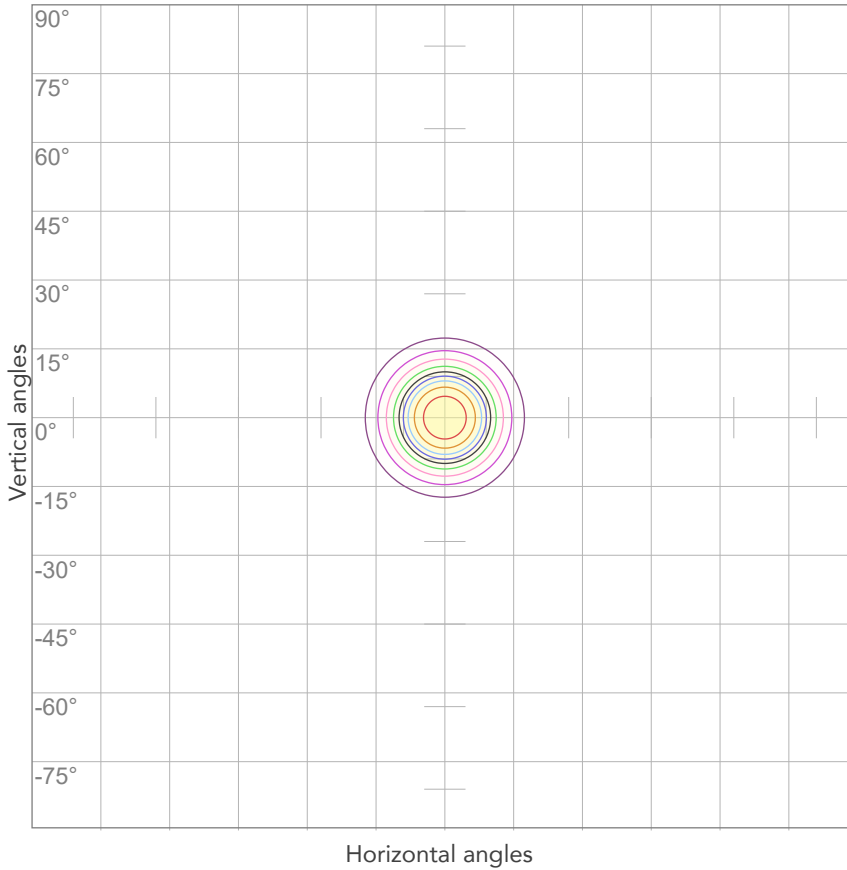


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 226V | 0,188A | 40,3W | 0,95 | 7lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



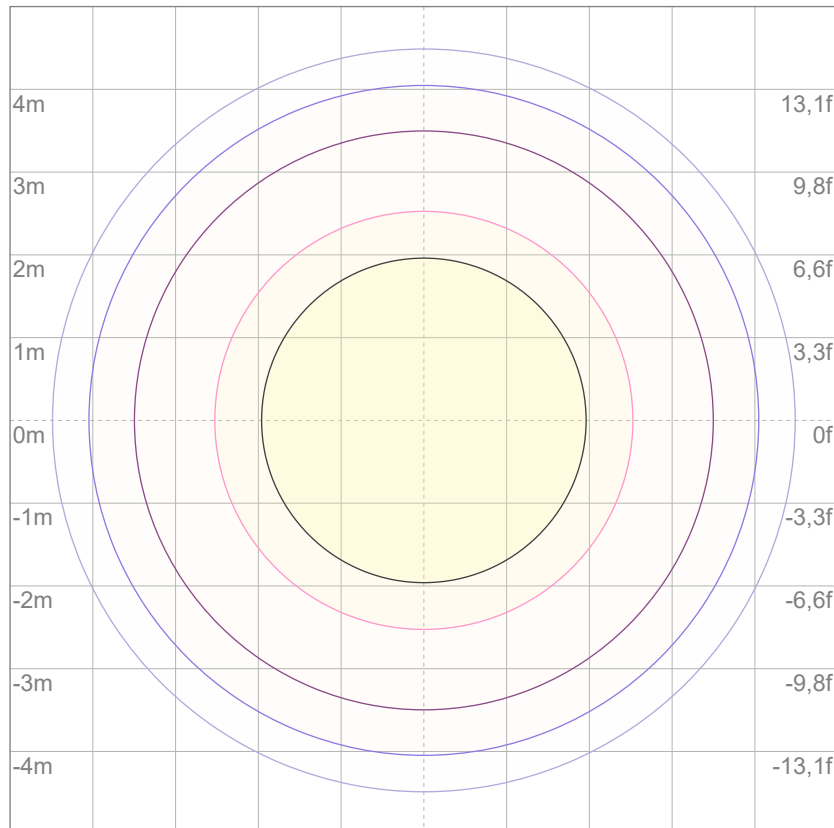
| | |
|-----|---------|
| 10% | 157 cd |
| 20% | 313 cd |
| 30% | 470 cd |
| 40% | 626 cd |
| 50% | 783 cd |
| 60% | 939 cd |
| 70% | 1096 cd |
| 80% | 1253 cd |

Conditions:

Number of c-planes: 2

Candela at center: 1566 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,470 lx |
| 5% | 0,783 lx |
| 10% | 1,57 lx |
| 30% | 4,70 lx |
| 50% | 7,83 lx |

Conditions:

Number of c-planes: 2

Lux at center: 15,7 lx

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



Total lumen output:

260 lm

Peak candela output:

410 cd

PRODUCT NAME:

SMARTBAT

MEASURAMENT CONDITIONS:

Beam angle:

45deg Lens

Target:

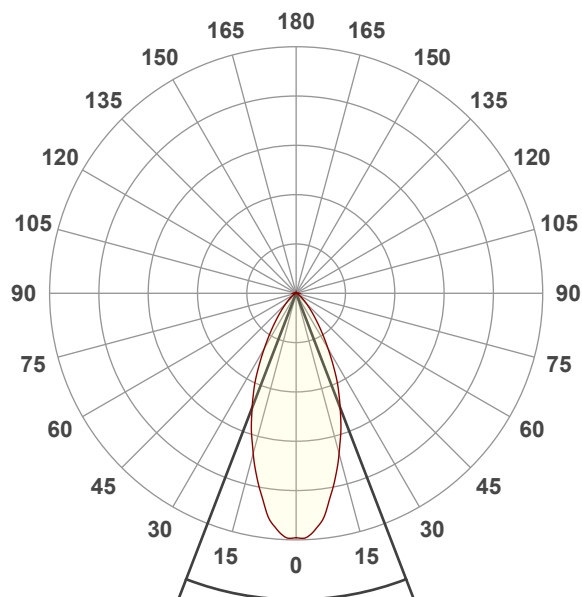
Red

Operator:

Salvatore Giglio

Date and time:

06/02/2025 10:50:59

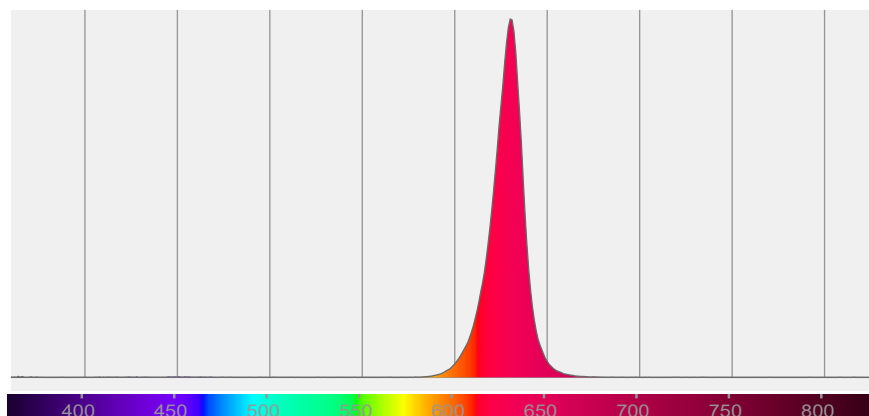


Beam angle 50%: 42,1°

Field angle 10%: 79,9°

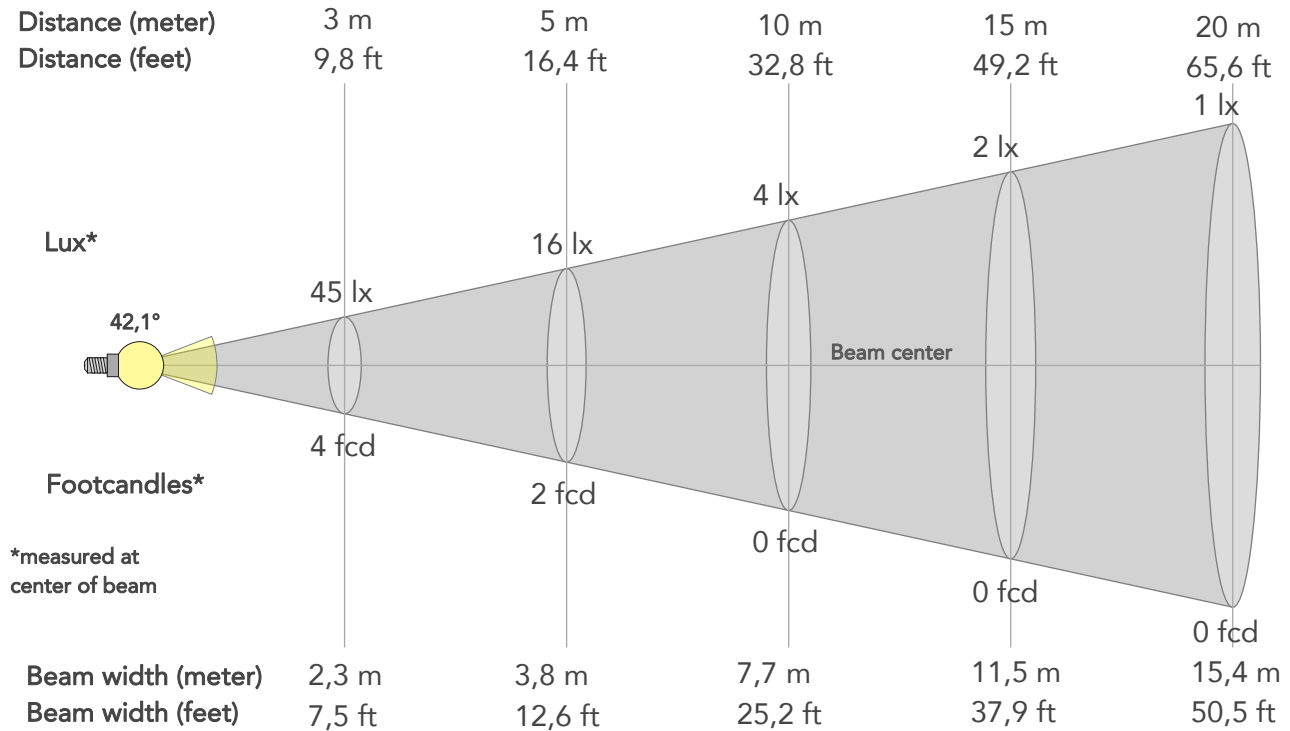
Cut off angle 2.5%: 106,3°

Spectra



BEAM DETAILS

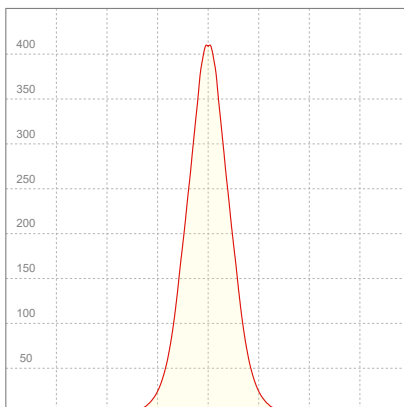
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 42,1° | 79,9° | 106,3° | 98,3% | 92,4% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 409lx | 102lx | 45lx | 26lx | 16lx | 7lx | 4lx | 2lx | 1lx | 1lx | 0lx | 0lx | 0lx |
| Footcand. | 38fcd | 9fcd | 4fcd | 2fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,8m | 1,5m | 2,3m | 3,1m | 3,8m | 5,8m | 7,7m | 11,5m | 15,4m | 19,2m | 23,1m | 30,8m | 38,5m |
| Beam wid. | 2,5ft | 5,1ft | 7,5ft | 10,1ft | 12,6ft | 18,9ft | 25,2ft | 37,9ft | 50,5ft | 63,1ft | 75,7ft | 101ft | 126,2ft |

LINEAR DISTRIBUTION DIAGRAM

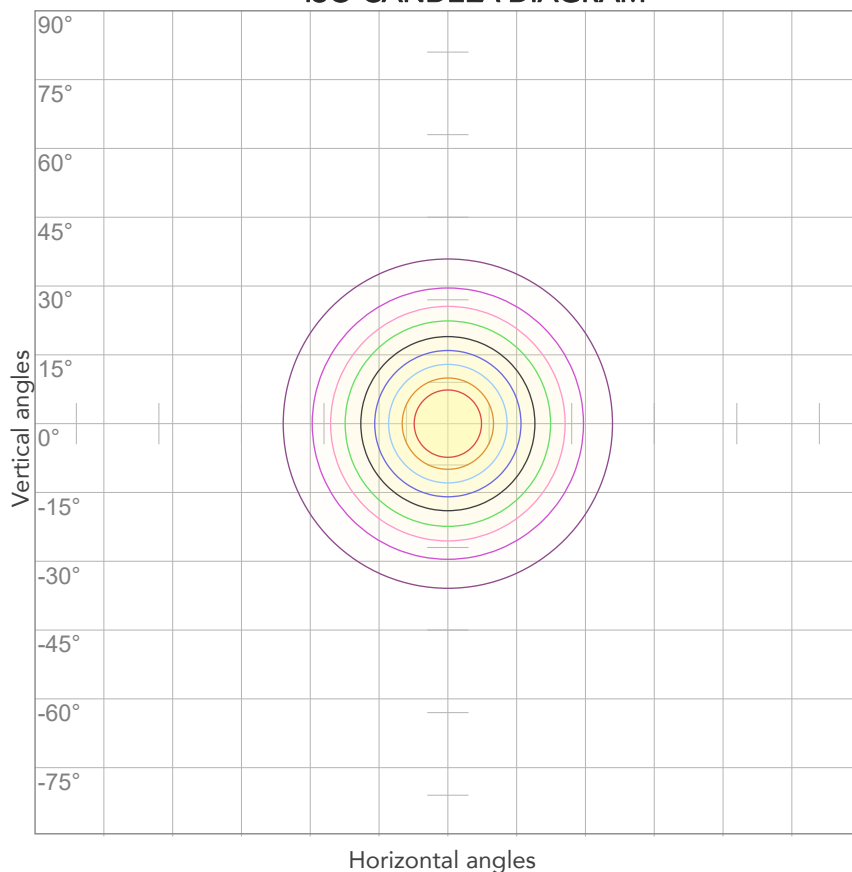


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,187A | 40,1W | 0,95 | 6lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



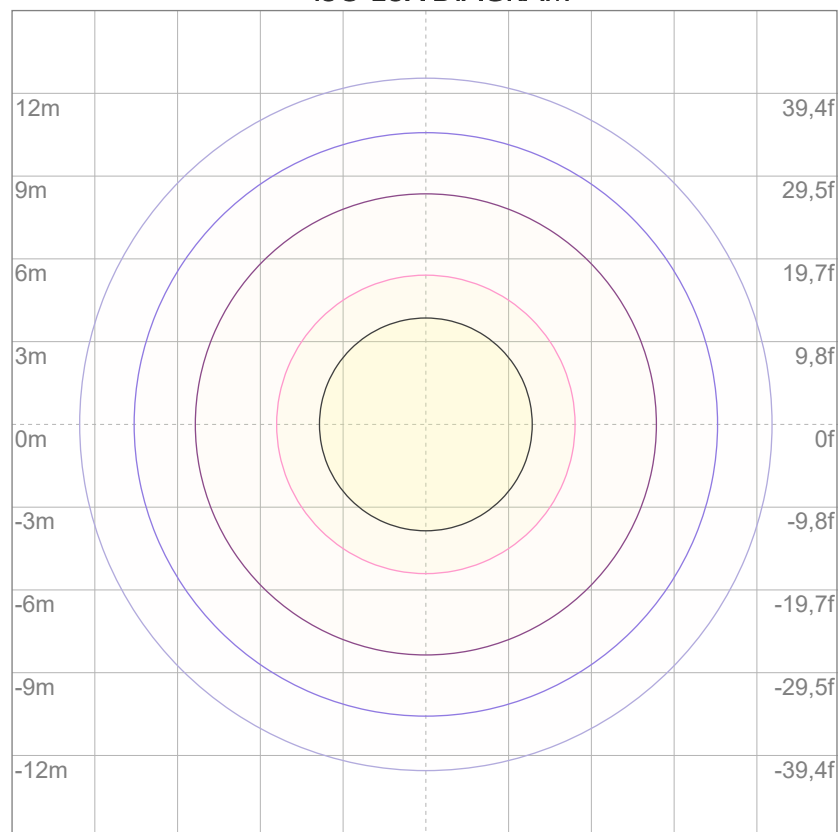
| | |
|-----|--------|
| 10% | 41 cd |
| 20% | 82 cd |
| 30% | 123 cd |
| 40% | 164 cd |
| 50% | 204 cd |
| 60% | 245 cd |
| 70% | 286 cd |
| 80% | 327 cd |

Conditions:

Number of c-planes: 2

Candela at center: 409 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,123 lx |
| 5% | 0,204 lx |
| 10% | 0,409 lx |
| 30% | 1,23 lx |
| 50% | 2,04 lx |

Conditions:

Number of c-planes: 2

Lux at center: 4,09 lx

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



Total lumen output:

540 lm

Peak candela output:

6712 cd

PRODUCT NAME:
SMARTBAT

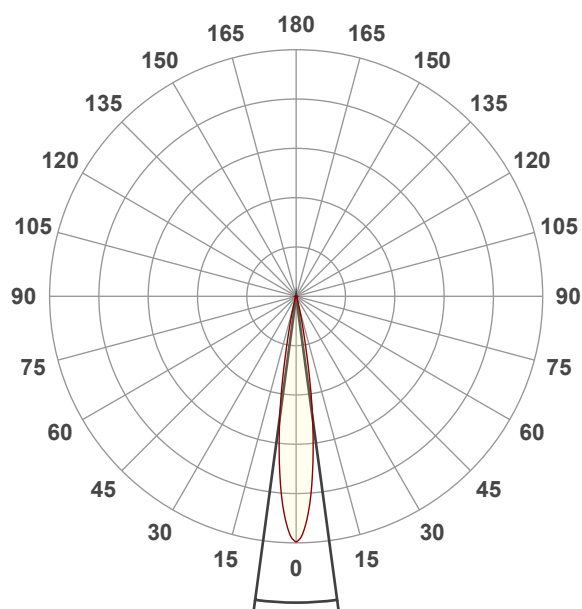
MEASURAMENT CONDITIONS:

Beam angle:
Original Lens - 15deg

Target:
Green

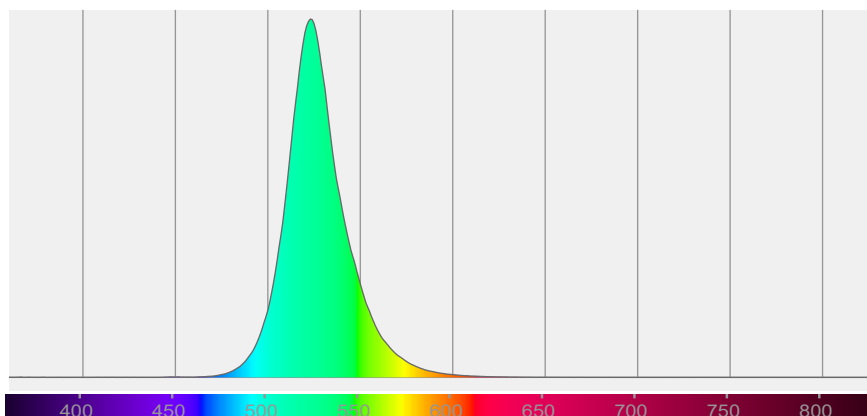
Operator:
Salvatore Giglio

Date and time:
06/02/2025 10:22:16



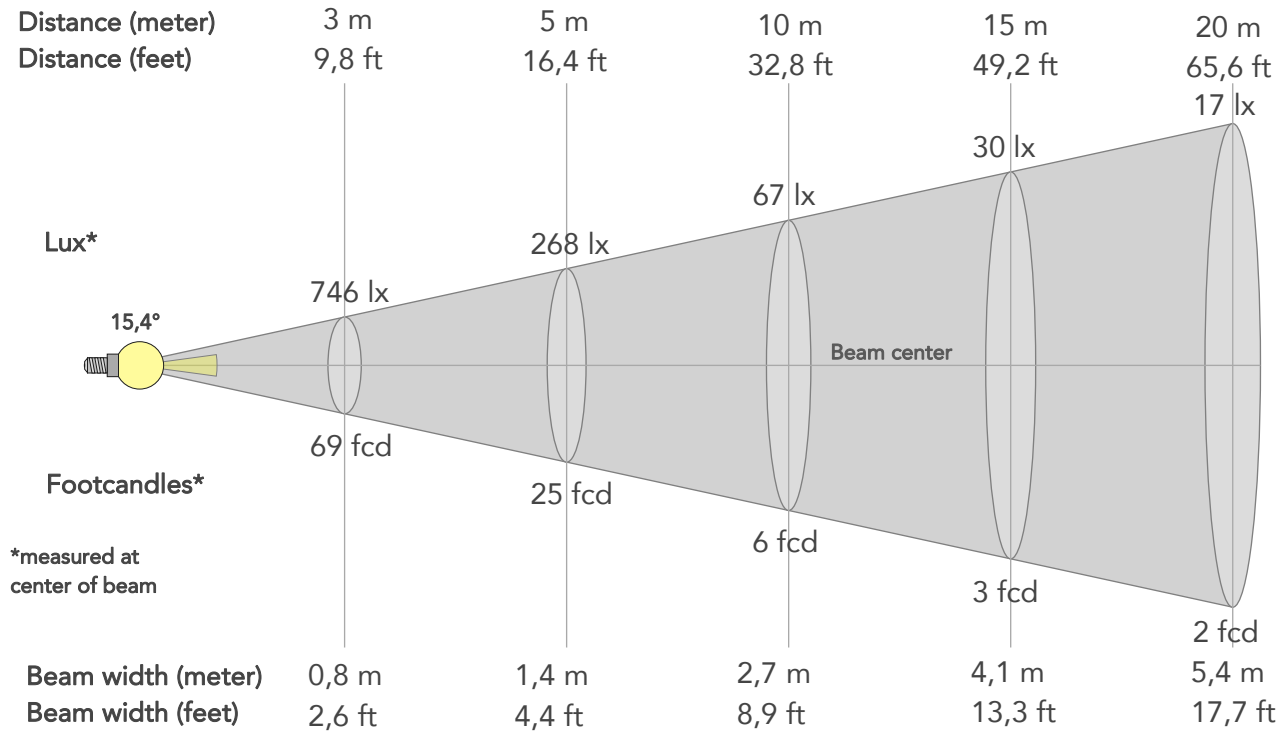
Beam angle 50%: 15,4°
Field angle 10%: 25,8°
Cut off angle 2.5%: 34,9°

Spectra



BEAM DETAILS

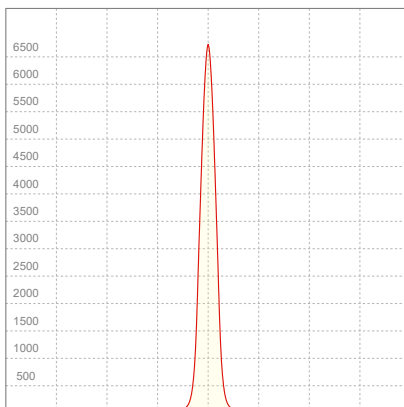
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 15,4° | 25,8° | 34,9° | 99,8% | 98,9% |



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 | 6712lx | 1678lx | 746lx | 420lx | 268lx | 119lx | 67lx | 30lx | 17lx | 11lx | 7lx | 4lx | 3lx |
| Footcand. | 624fcd | 156fcd | 69fcd | 39fcd | 25fcd | 11fcd | 6fcd | 3fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd |
| Beam wid. | 0,3m | 0,5m | 0,8m | 1,1m | 1,4m | 2m | 2,7m | 4,1m | 5,4m | 6,8m | 8,1m | 10,8m | 13,5m |
| Beam wid. | 0,9ft | 1,8ft | 2,6ft | 3,5ft | 4,4ft | 6,6ft | 8,9ft | 13,3ft | 17,7ft | 22,1ft | 26,6ft | 35,4ft | 44,3ft |

LINEAR DISTRIBUTION DIAGRAM

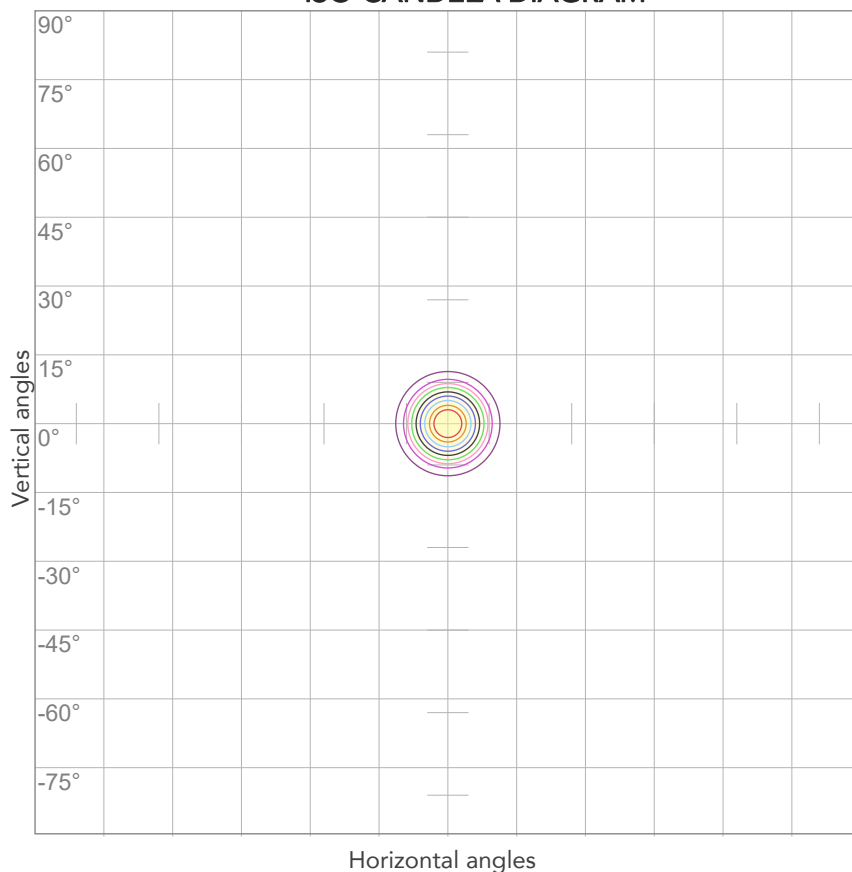


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,186A | 39,9W | 0,95 | 14lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



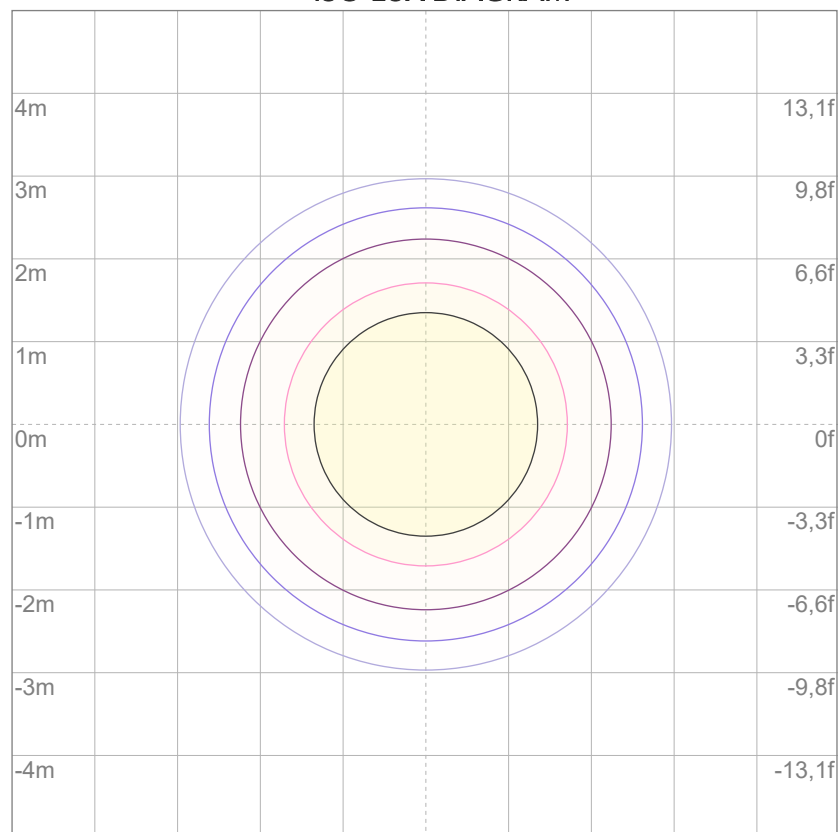
| | |
|-----|---------|
| 10% | 671 cd |
| 20% | 1342 cd |
| 30% | 2014 cd |
| 40% | 2685 cd |
| 50% | 3356 cd |
| 60% | 4027 cd |
| 70% | 4699 cd |
| 80% | 5370 cd |

Conditions:

Number of c-planes: 2

Candela at center: 6712 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 2,01 lx |
| 5% | 3,36 lx |
| 10% | 6,71 lx |
| 30% | 20,1 lx |
| 50% | 33,6 lx |

Conditions:

Number of c-planes: 2

Lux at center: 67,1 lx

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



Total lumen output:

524 lm

Peak candela output:

2767 cd

PRODUCT NAME:

SMARTBAT

MEASUREMENT CONDITIONS:

Beam angle:

25deg Lens

Target:

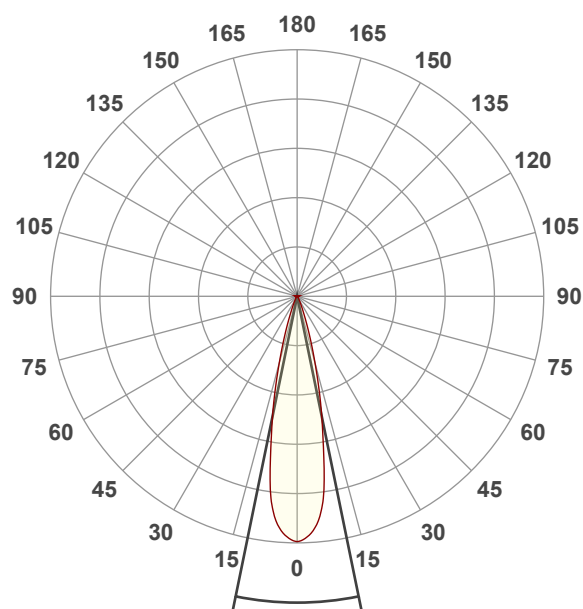
Green

Operator:

Salvatore Giglio

Date and time:

06/02/2025 11:11:16

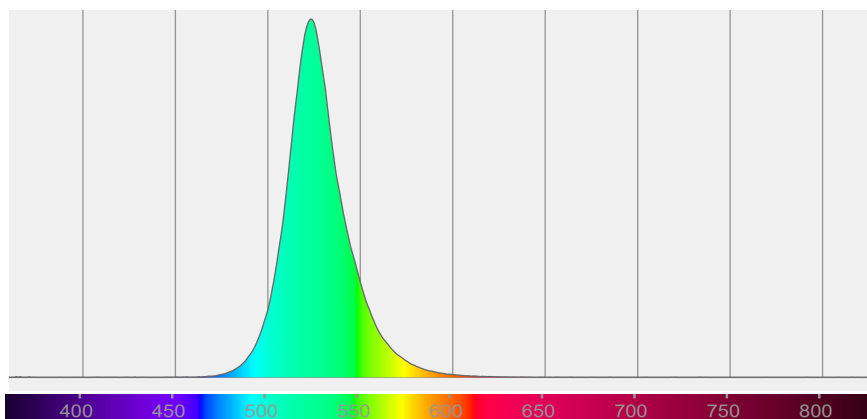


Beam angle 50%: 23,2°

Field angle 10%: 39,7°

Cut off angle 2.5%: 53,8°

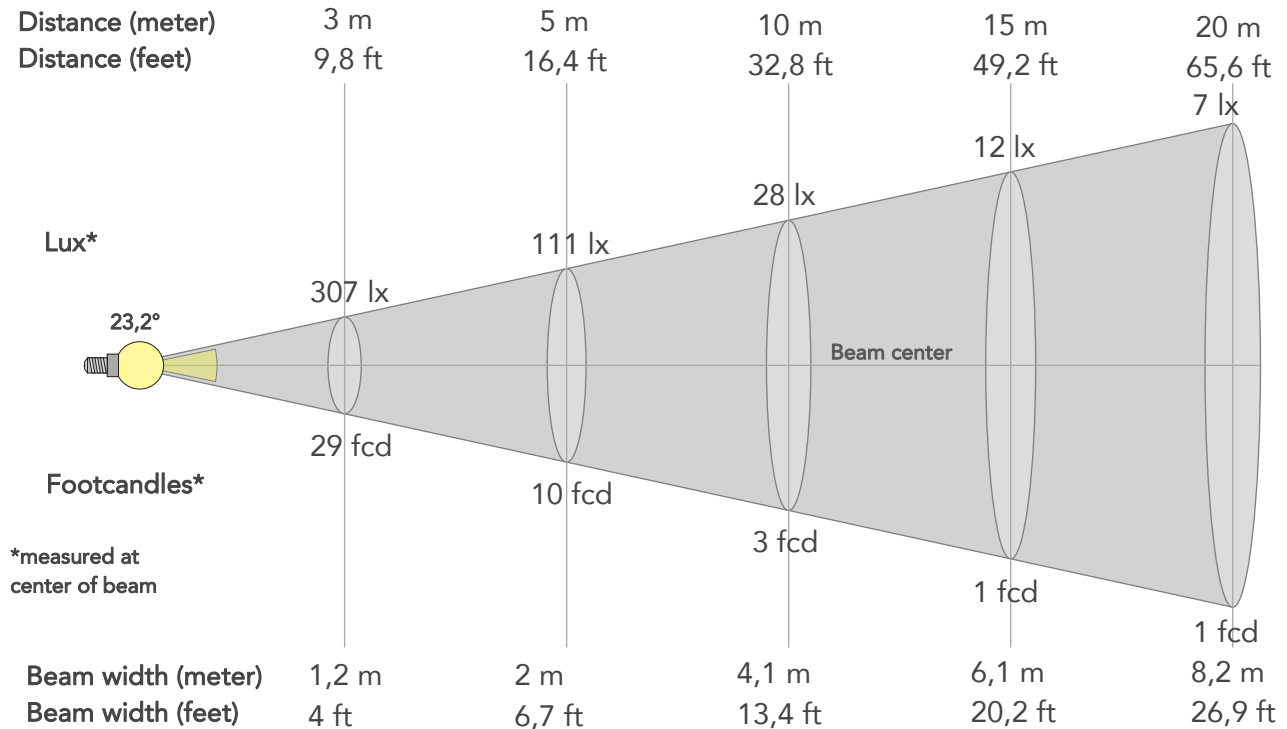
Spectra



BEAM DETAILS



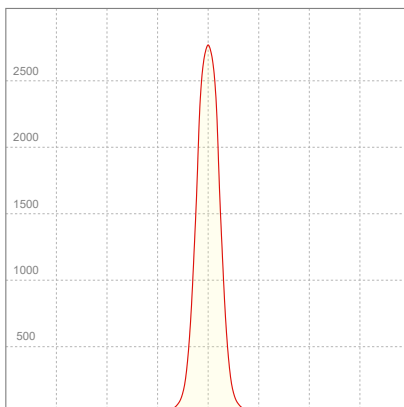
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 23,2° | 39,7° | 53,8° | 99,0% | 97,2% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 2767lx | 692lx | 307lx | 173lx | 111lx | 49lx | 28lx | 12lx | 7lx | 4lx | 3lx | 2lx | 1lx |
| Footcand. | 257fcd | 64fcd | 29fcd | 16fcd | 10fcd | 5fcd | 3fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,6m | 2m | 3,1m | 4,1m | 6,1m | 8,2m | 10,2m | 12,3m | 16,4m | 20,5m |
| Beam wid. | 1,4ft | 2,7ft | 4ft | 5,4ft | 6,7ft | 10,1ft | 13,4ft | 20,2ft | 26,9ft | 33,6ft | 40,3ft | 53,8ft | 67,2ft |

LINEAR DISTRIBUTION DIAGRAM

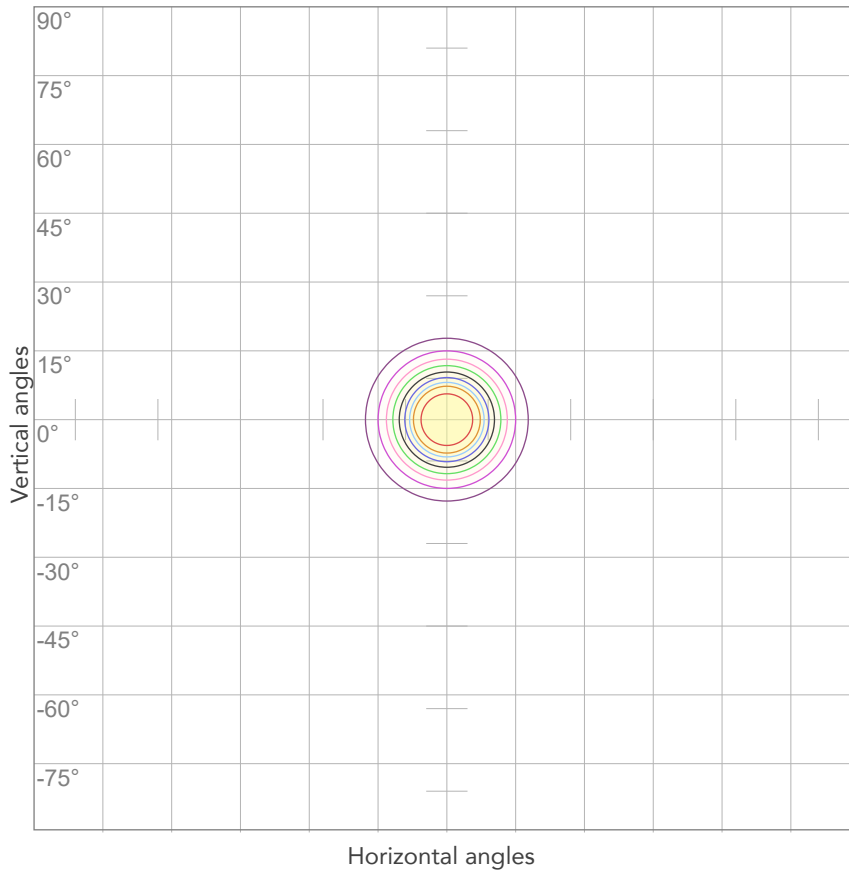


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 226V | 0,188A | 40,3W | 0,95 | 13lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



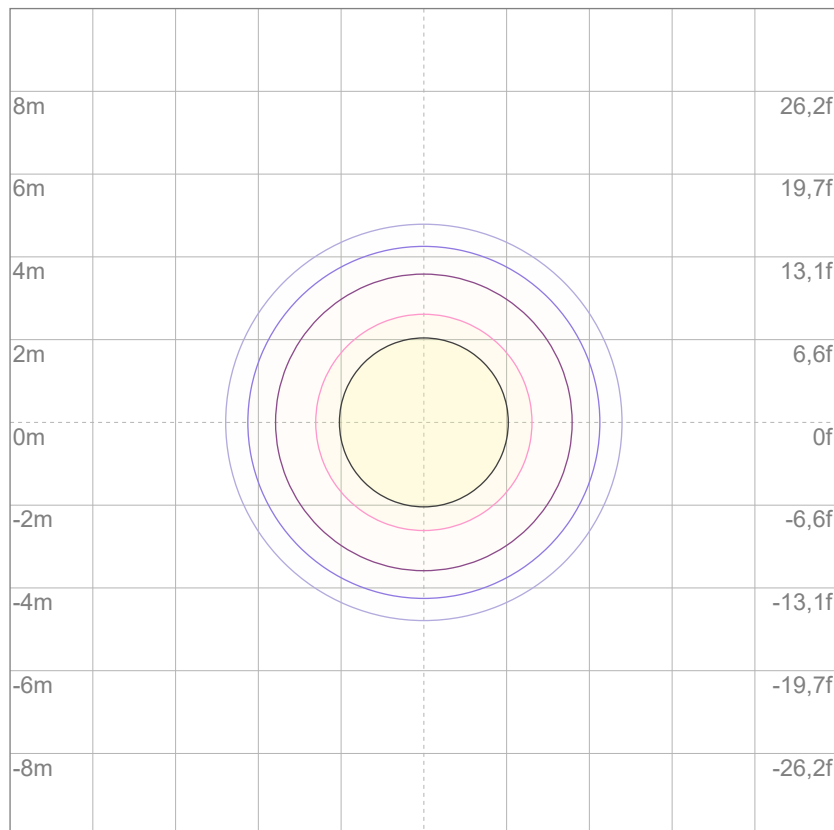
| | |
|-----|---------|
| 10% | 277 cd |
| 20% | 553 cd |
| 30% | 830 cd |
| 40% | 1107 cd |
| 50% | 1384 cd |
| 60% | 1660 cd |
| 70% | 1937 cd |
| 80% | 2214 cd |

Conditions:

Number of c-planes: 2

Candela at center: 2767 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,830 lx |
| 5% | 1,38 lx |
| 10% | 2,77 lx |
| 30% | 8,30 lx |
| 50% | 13,8 lx |

Conditions:

Number of c-planes: 2

Lux at center: 27,7 lx

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



Total lumen output:

501 lm

Peak candela output:

780 cd

PRODUCT NAME:

SMARTBAT

MEASUREMENT CONDITIONS:

Beam angle:

45deg Lens

Target:

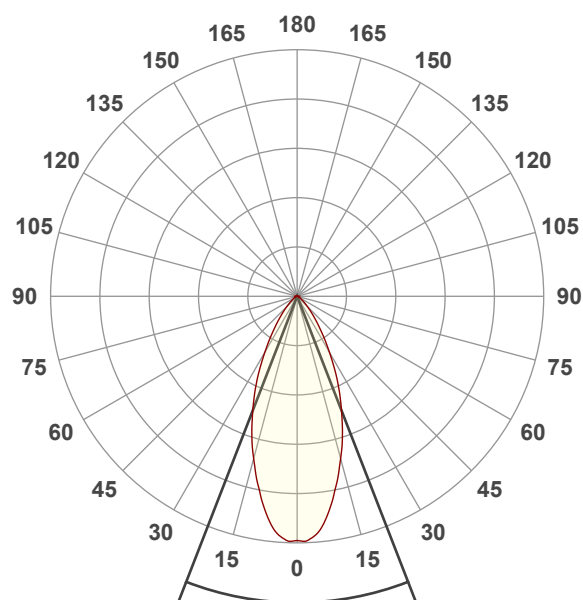
Green

Operator:

Salvatore Giglio

Date and time:

06/02/2025 10:54:19

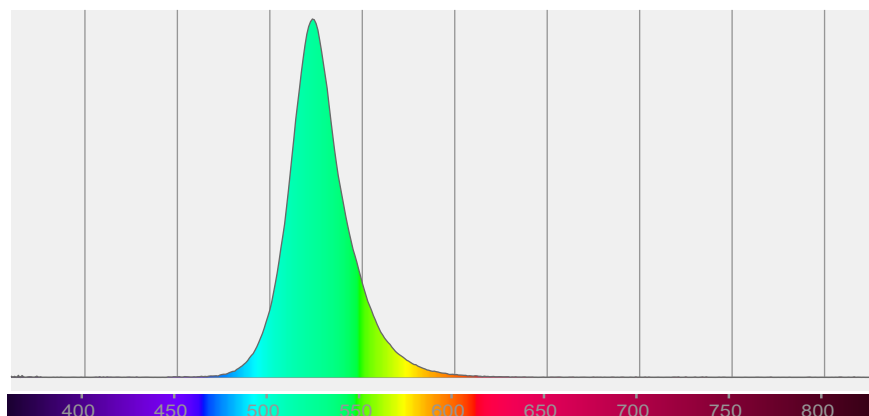


Beam angle 50%: 42,5°

Field angle 10%: 80,2°

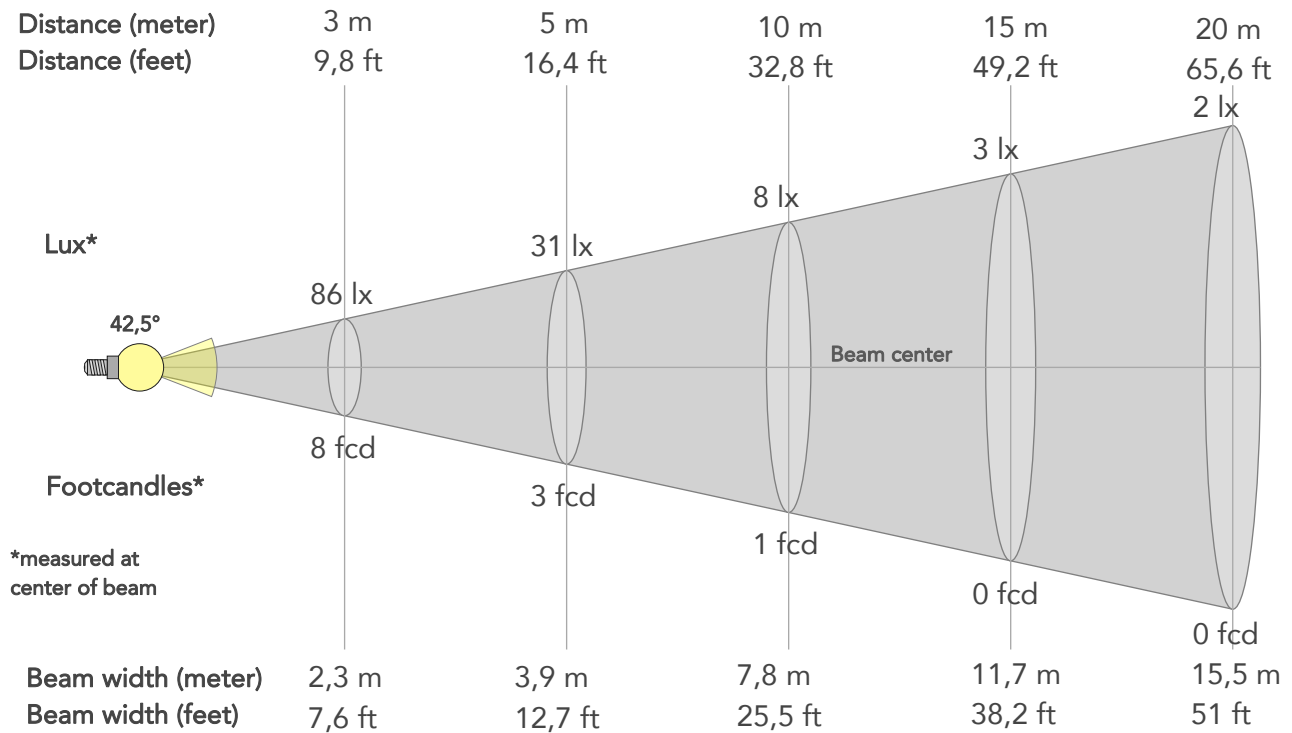
Cut off angle 2.5%: 107°

Spectra



BEAM DETAILS

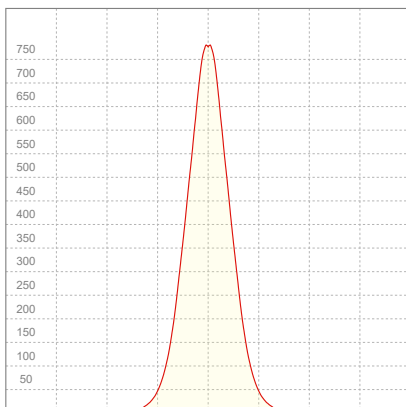
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 42,5° | 80,2° | 107° | 98,3% | 92,3% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 777lx | 194lx | 86lx | 49lx | 31lx | 14lx | 8lx | 3lx | 2lx | 1lx | 1lx | 0lx | 0lx |
| Footcand. | 72fcd | 18fcd | 8fcd | 5fcd | 3fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,8m | 1,6m | 2,3m | 3,1m | 3,9m | 5,8m | 7,8m | 11,7m | 15,5m | 19,4m | 23,3m | 31,1m | 38,8m |
| Beam wid. | 2,6ft | 5,1ft | 7,6ft | 10,2ft | 12,7ft | 19,1ft | 25,5ft | 38,2ft | 51ft | 63,7ft | 76,5ft | 101,9ft | 127,4ft |

LINEAR DISTRIBUTION DIAGRAM

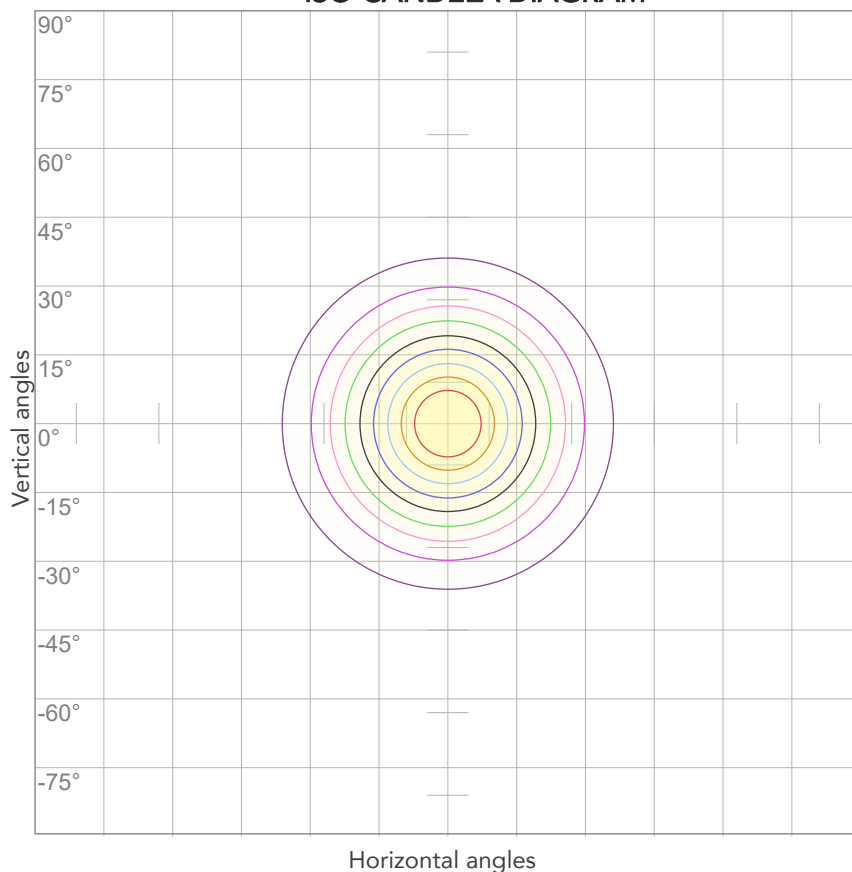


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,188A | 40,1W | 0,94 | 12lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



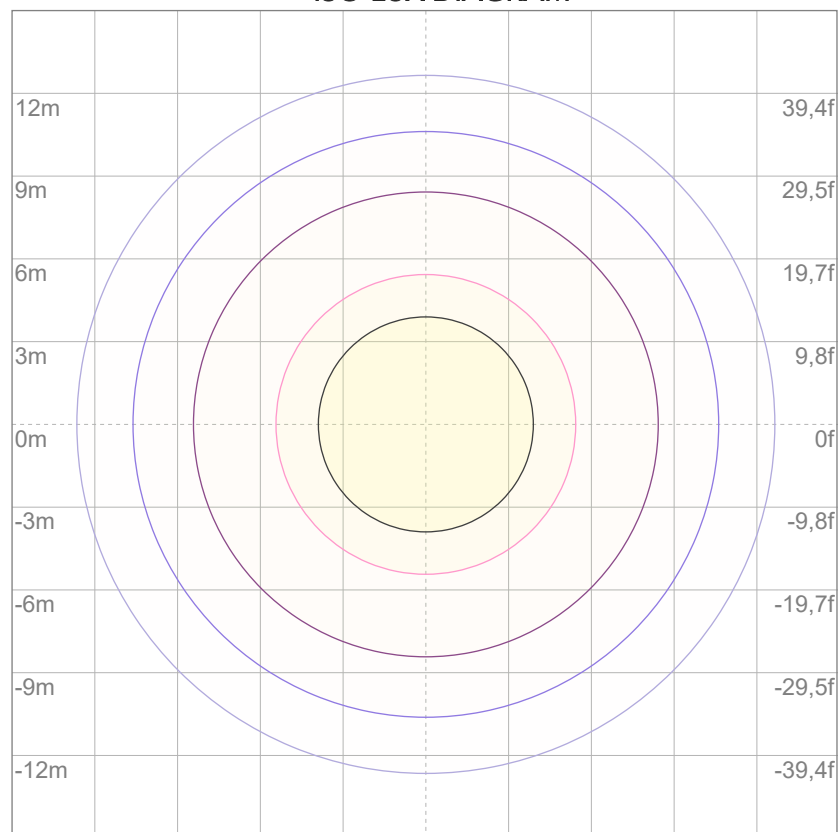
| | |
|-----|--------|
| 10% | 78 cd |
| 20% | 155 cd |
| 30% | 233 cd |
| 40% | 311 cd |
| 50% | 389 cd |
| 60% | 466 cd |
| 70% | 544 cd |
| 80% | 622 cd |

Conditions:

Number of c-planes: 2

Candela at center: 777 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,233 lx |
| 5% | 0,389 lx |
| 10% | 0,777 lx |
| 30% | 2,33 lx |
| 50% | 3,89 lx |

Conditions:

Number of c-planes: 2

Lux at center: 7,77 lx

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



Total lumen output:

93,1 lm

Peak candela output:

1241 cd

PRODUCT NAME:
SMARTBAT

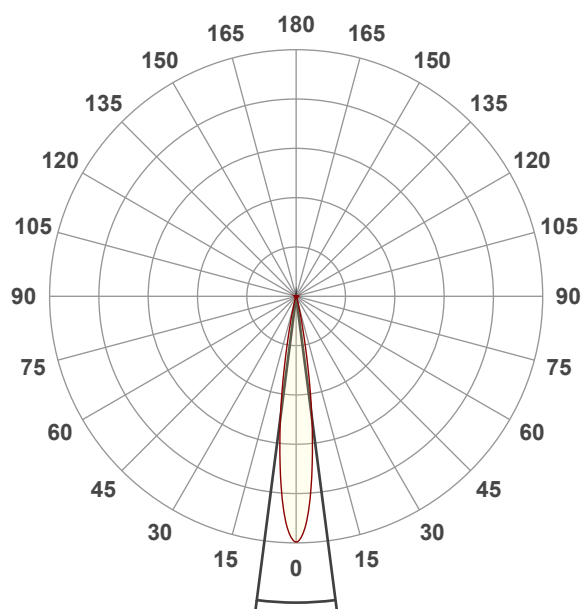
MEASURAMENT CONDITIONS:

Beam angle:
Original Lens - 15deg

Target:
Blue

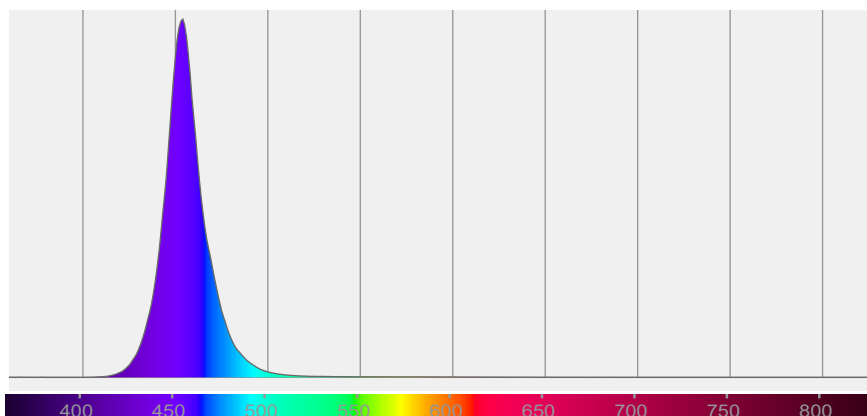
Operator:
Salvatore Giglio

Date and time:
06/02/2025 10:23:44



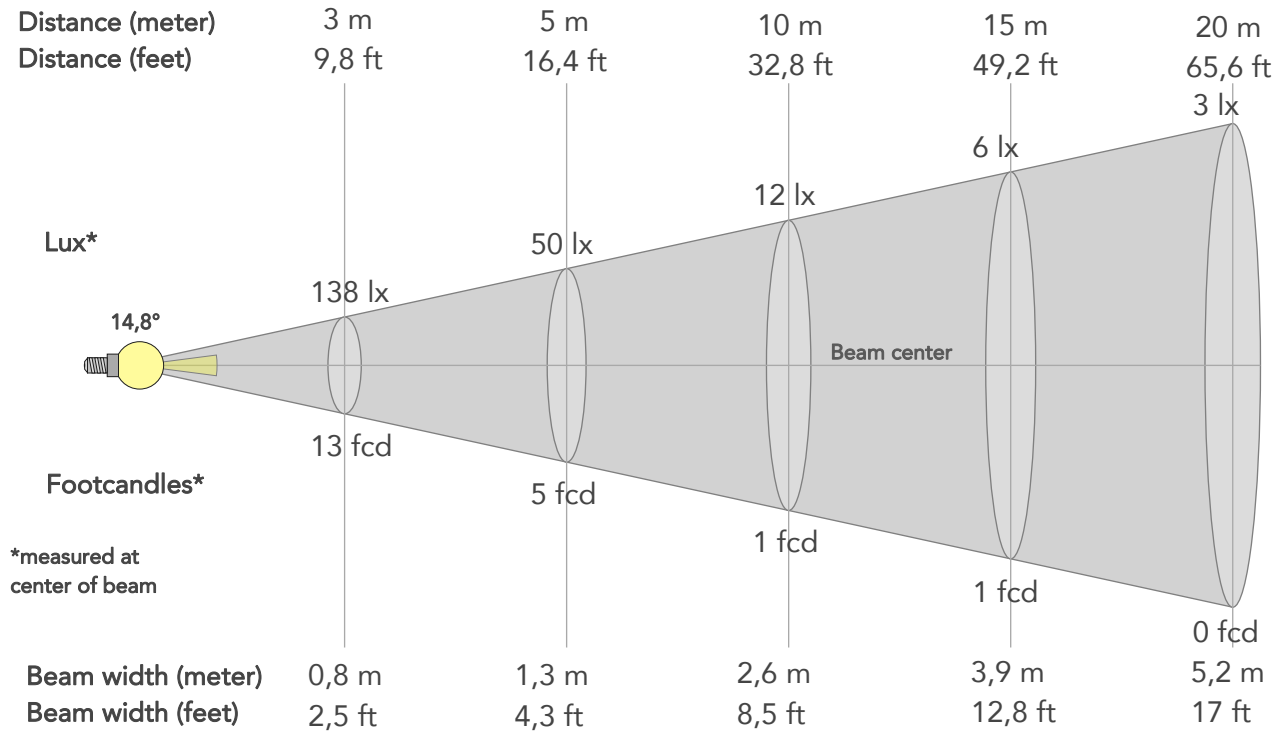
Beam angle 50%: 14,8°
Field angle 10%: 24,8°
Cut off angle 2.5%: 33,6°

Spectra



BEAM DETAILS

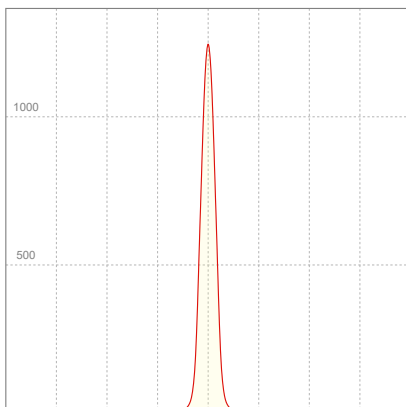
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 14,8° | 24,8° | 33,6° | 99,5% | 98,5% |



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 | 1241lx | 310lx | 138lx | 78lx | 50lx | 22lx | 12lx | 6lx | 3lx | 2lx | 1lx | 1lx | 0lx |
| Footcand. | 115fcd | 29fcd | 13fcd | 7fcd | 5fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,3m | 0,5m | 0,8m | 1m | 1,3m | 1,9m | 2,6m | 3,9m | 5,2m | 6,5m | 7,8m | 10,4m | 13m |
| Beam wid. | 0,9ft | 1,7ft | 2,5ft | 3,4ft | 4,3ft | 6,4ft | 8,5ft | 12,8ft | 17ft | 21,3ft | 25,5ft | 34ft | 42,5ft |

LINEAR DISTRIBUTION DIAGRAM

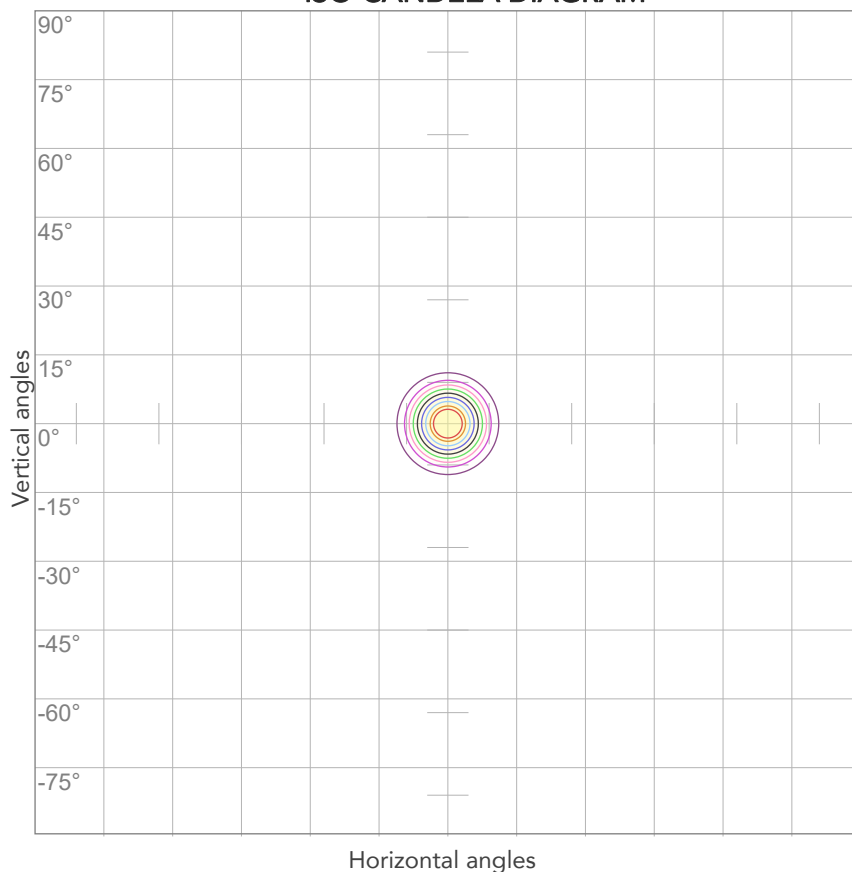


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,186A | 39,9W | 0,95 | 2lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



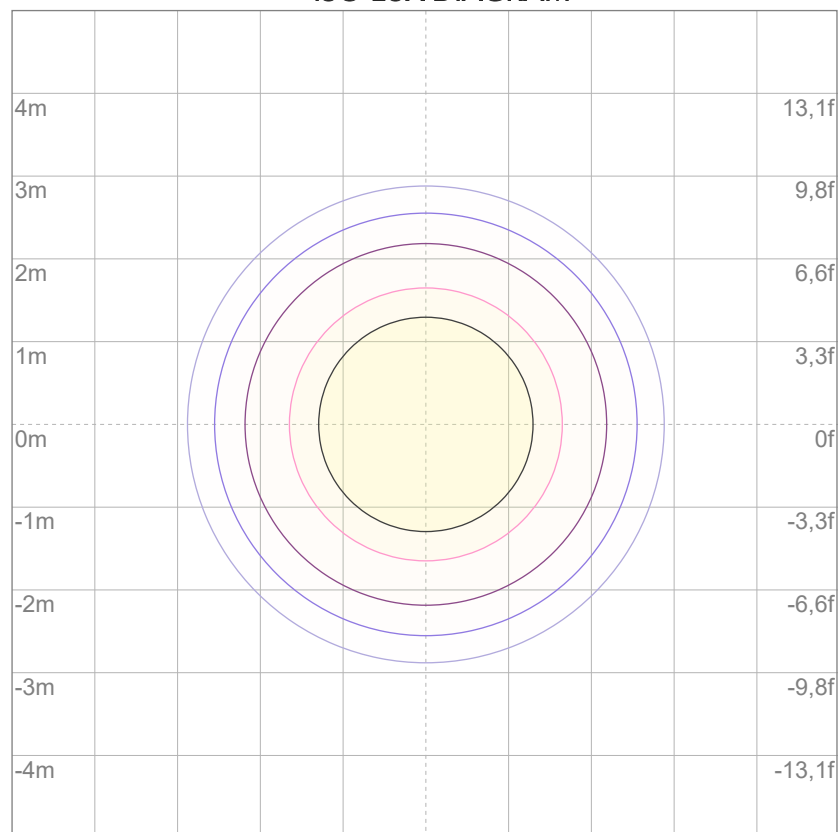
| | |
|-----|--------|
| 10% | 124 cd |
| 20% | 248 cd |
| 30% | 372 cd |
| 40% | 497 cd |
| 50% | 621 cd |
| 60% | 745 cd |
| 70% | 869 cd |
| 80% | 993 cd |

Conditions:

Number of c-planes: 2

Candela at center: 1241 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,372 lx |
| 5% | 0,621 lx |
| 10% | 1,24 lx |
| 30% | 3,72 lx |
| 50% | 6,21 lx |

Conditions:

Number of c-planes: 2

Lux at center: 12,4 lx

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



Total lumen output:

90,7 lm

Peak candela output:

490 cd

PRODUCT NAME:
SMARTBAT

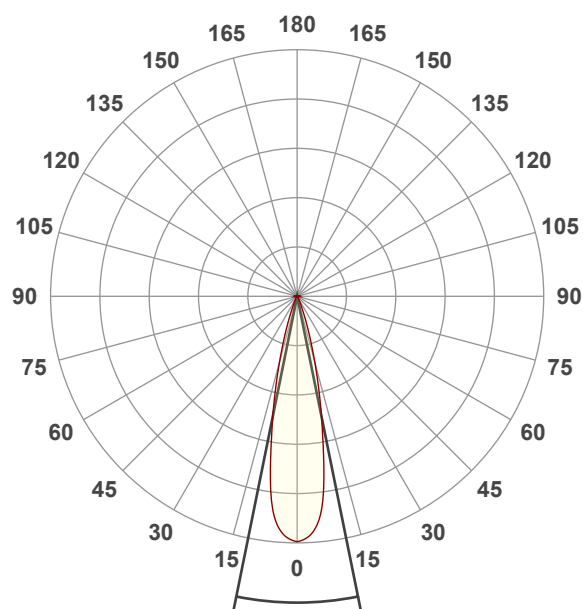
MEASURAMENT CONDITIONS:

Beam angle:
25deg Lens

Target:
Blue

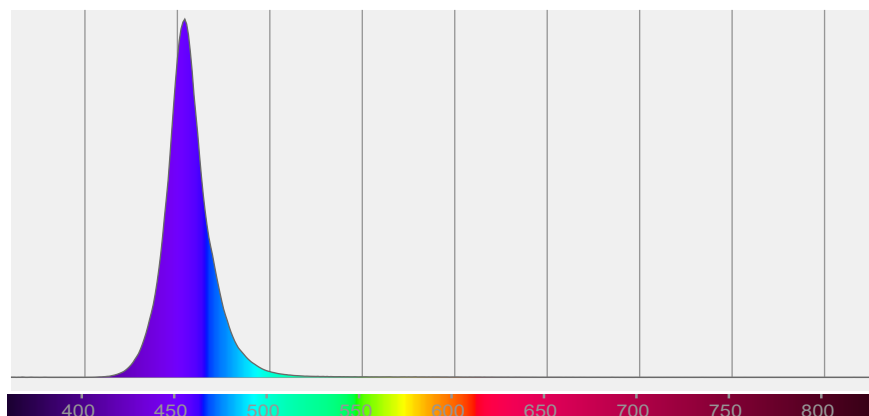
Operator:
Salvatore Giglio

Date and time:
06/02/2025 11:13:03



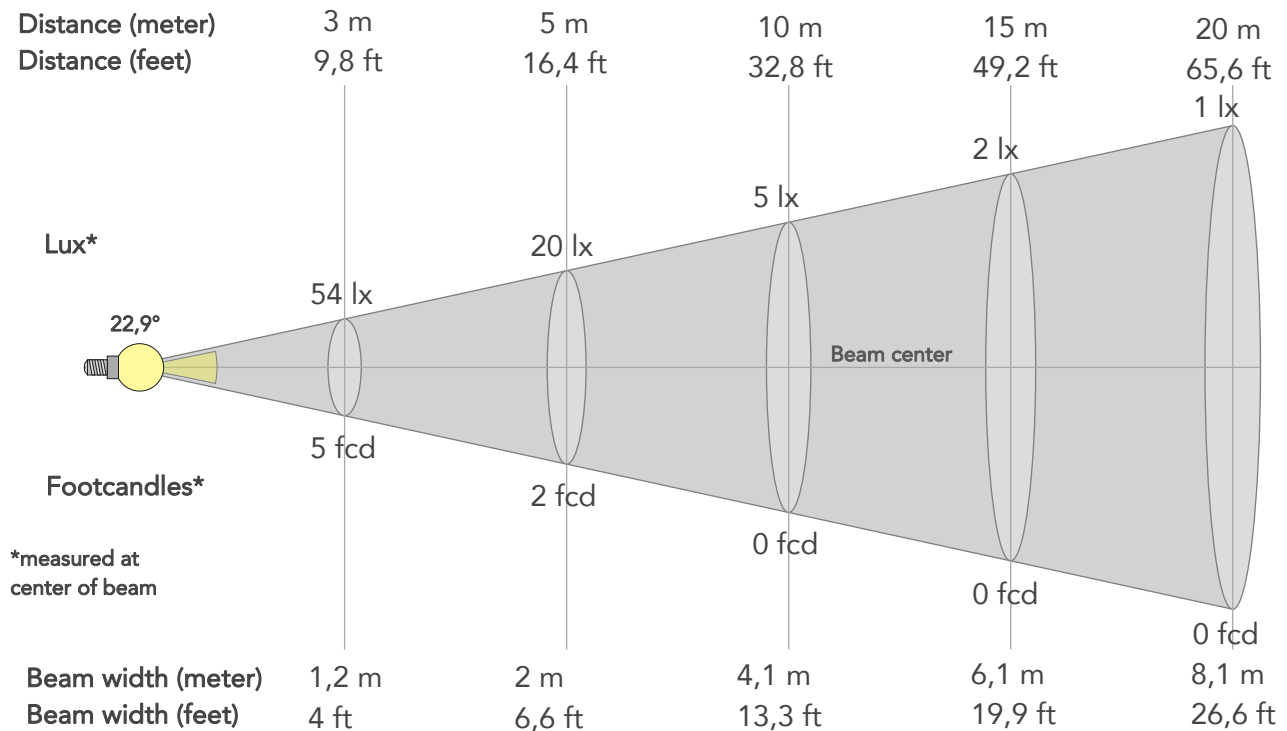
Beam angle 50%: 22,9°
Field angle 10%: 39,4°
Cut off angle 2.5%: 51,7°

Spectra



BEAM DETAILS

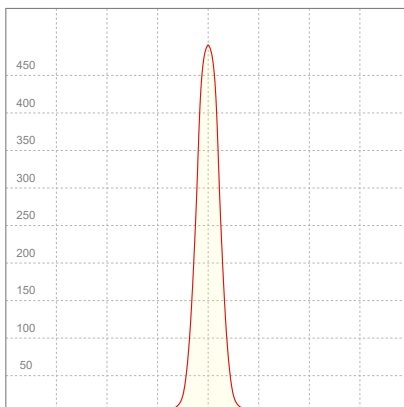
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 22,9° | 39,4° | 51,7° | 98,9% | 97,1% |



BEAM INTENSITIES AND WIDTHS

| Distance | 1m | 2m | 3m | 4m | 5m | 7,5m | 10m | 15m | 20m | 25m | 30m | 40m | 50m |
|-----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Distance | 3,3ft | 6,6ft | 9,8ft | 13,1ft | 16,4ft | 24,6ft | 32,8ft | 49,2ft | 65,6ft | 82ft | 98,4ft | 131,2ft | 164ft |
| Lux | 490lx | 123lx | 54lx | 31lx | 20lx | 9lx | 5lx | 2lx | 1lx | 1lx | 1lx | 0lx | 0lx |
| Footcand. | 46fcd | 11fcd | 5fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,6m | 2m | 3m | 4,1m | 6,1m | 8,1m | 10,1m | 12,2m | 16,2m | 20,3m |
| Beam wid. | 1,3ft | 2,7ft | 4ft | 5,3ft | 6,6ft | 10ft | 13,3ft | 19,9ft | 26,6ft | 33,2ft | 39,9ft | 53,2ft | 66,5ft |

LINEAR DISTRIBUTION DIAGRAM

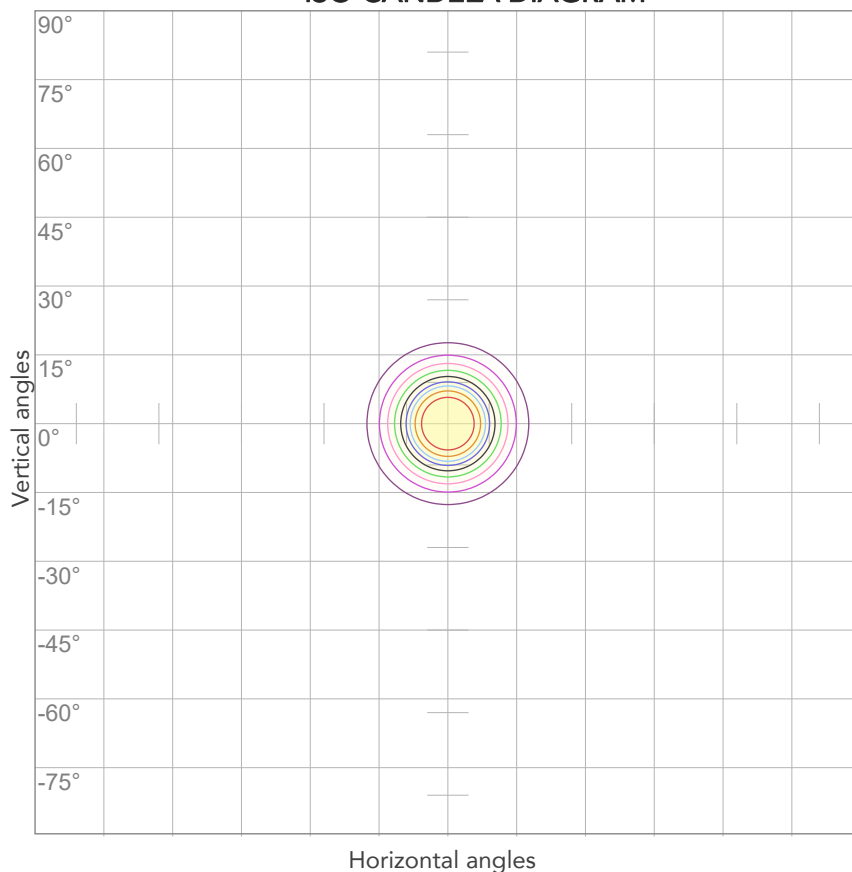


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 226V | 0,188A | 40,3W | 0,95 | 2lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



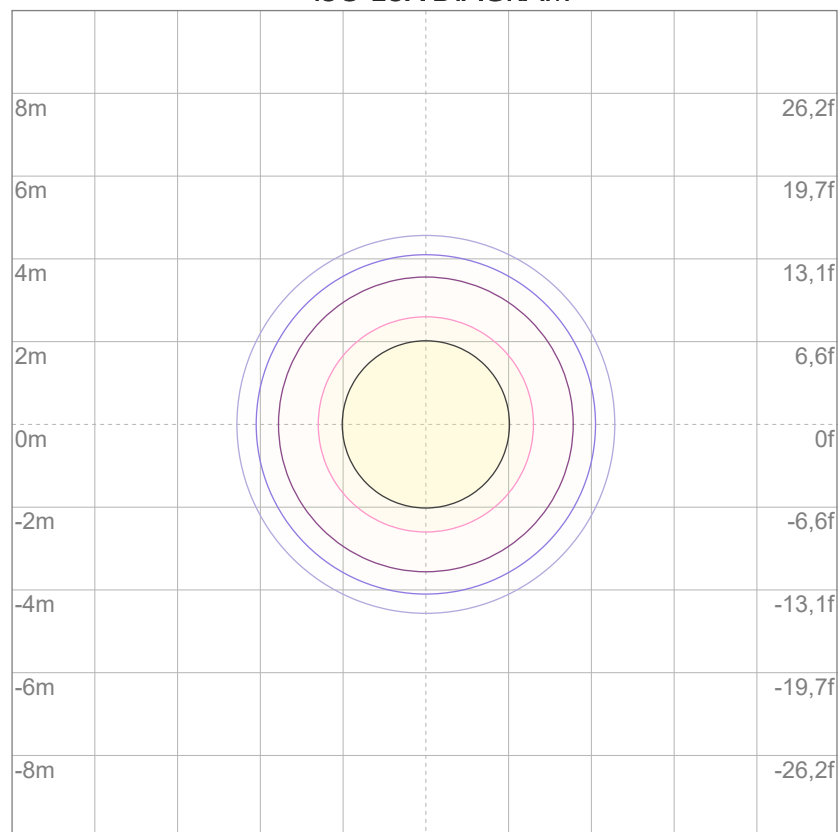
| | |
|-----|--------|
| 10% | 49 cd |
| 20% | 98 cd |
| 30% | 147 cd |
| 40% | 196 cd |
| 50% | 245 cd |
| 60% | 294 cd |
| 70% | 343 cd |
| 80% | 392 cd |

Conditions:

Number of c-planes: 2

Candela at center: 490 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,147 lx |
| 5% | 0,245 lx |
| 10% | 0,490 lx |
| 30% | 1,47 lx |
| 50% | 2,45 lx |

Conditions:

Number of c-planes: 2

Lux at center: 4,90 lx

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



Total lumen output:

86,0 lm

Peak candela output:

135 cd

PRODUCT NAME:

SMARTBAT

MEASURAMENT CONDITIONS:

Beam angle:

45deg Lens

Target:

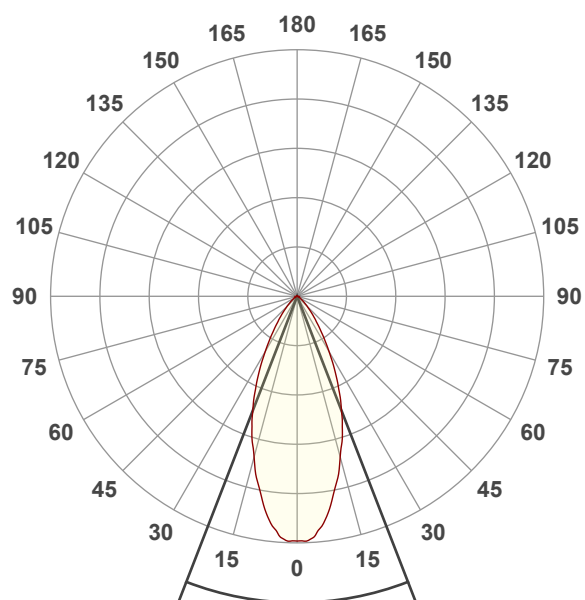
Blue

Operator:

Salvatore Giglio

Date and time:

06/02/2025 10:56:09

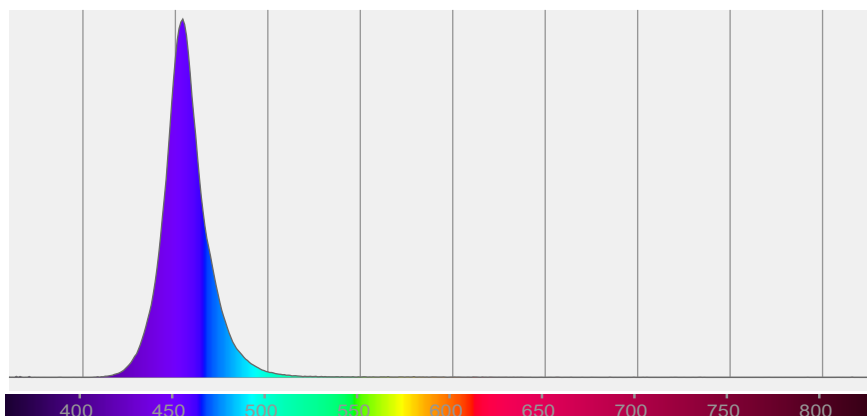


Beam angle 50%: 42,4°

Field angle 10%: 79,9°

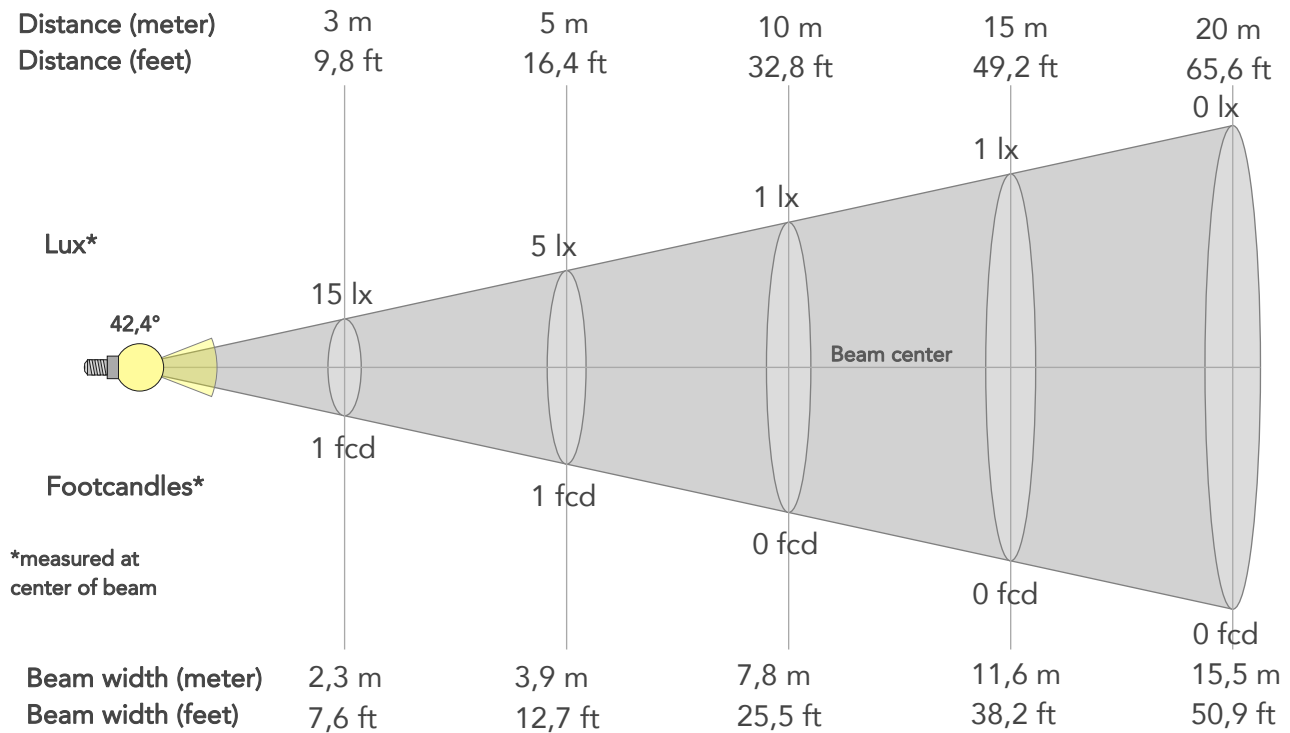
Cut off angle 2.5%: 105,9°

Spectra



BEAM DETAILS

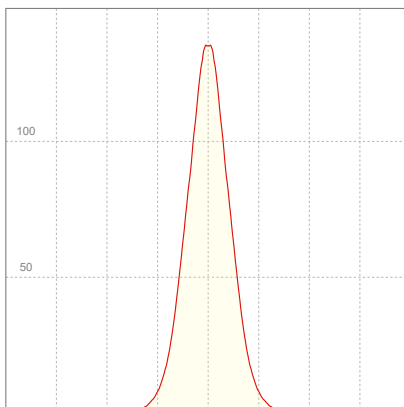
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 42,4° | 79,9° | 105,9° | 98,3% | 92,5% |



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 | 135lx | 34lx | 15lx | 8lx | 5lx | 2lx | 1lx | 1lx | 0lx | 0lx | 0lx | 0lx | 0lx |
| Footcand. | 13fcd | 3fcd | 1fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,8m | 1,6m | 2,3m | 3,1m | 3,9m | 5,8m | 7,8m | 11,6m | 15,5m | 19,4m | 23,3m | 31m | 38,8m |
| Beam wid. | 2,6ft | 5,1ft | 7,6ft | 10,2ft | 12,7ft | 19,1ft | 25,5ft | 38,2ft | 50,9ft | 63,6ft | 76,4ft | 101,8ft | 127,3ft |

LINEAR DISTRIBUTION DIAGRAM

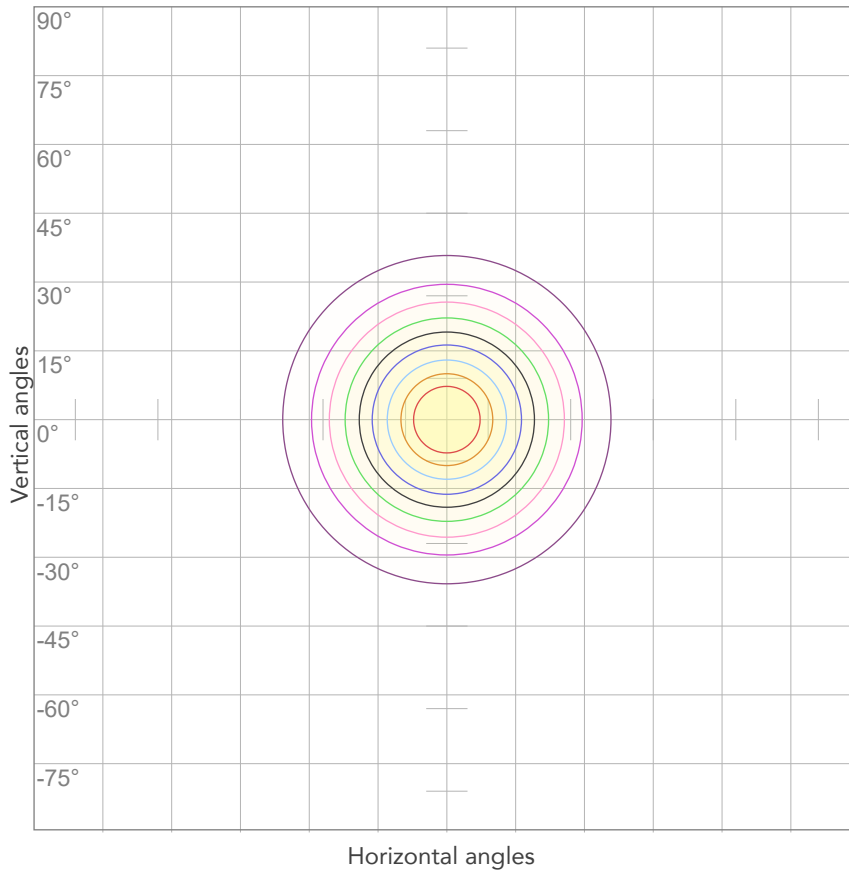


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,187A | 40,1W | 0,95 | 2lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



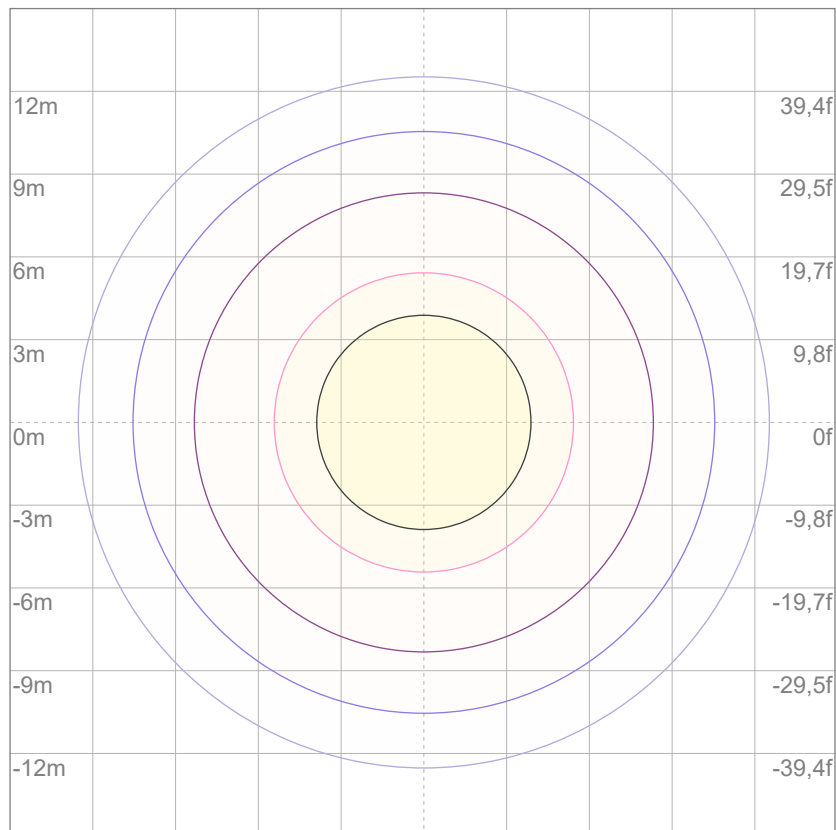
| | |
|-----|--------|
| 10% | 14 cd |
| 20% | 27 cd |
| 30% | 41 cd |
| 40% | 54 cd |
| 50% | 68 cd |
| 60% | 81 cd |
| 70% | 95 cd |
| 80% | 108 cd |

Conditions:

Number of c-planes: 2

Candela at center: 135 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 40,6m lx |
| 5% | 67,6m lx |
| 10% | 0,135 lx |
| 30% | 0,406 lx |
| 50% | 0,676 lx |

Conditions:

Number of c-planes: 2

Lux at center: 1,35 lx

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



Total lumen output:

594 lm

Peak candela output:

7547 cd

PRODUCT NAME:
SMARTBAT

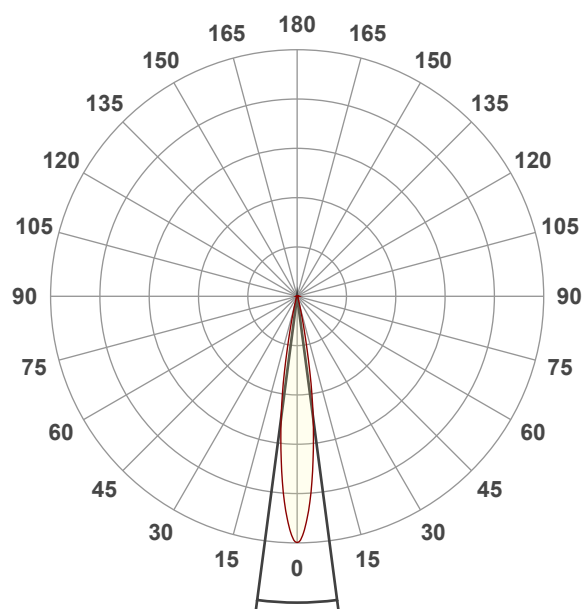
MEASURAMENT CONDITIONS:

Beam angle:
Original Lens - 15deg

Target:
White

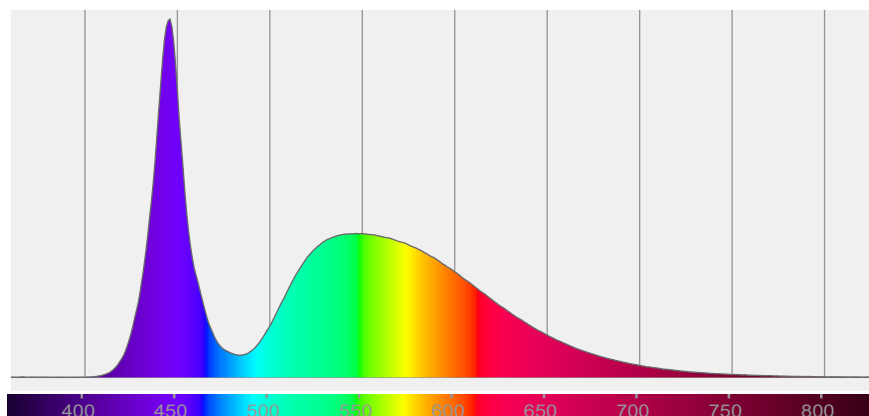
Operator:
Salvatore Giglio

Date and time:
06/02/2025 10:25:23



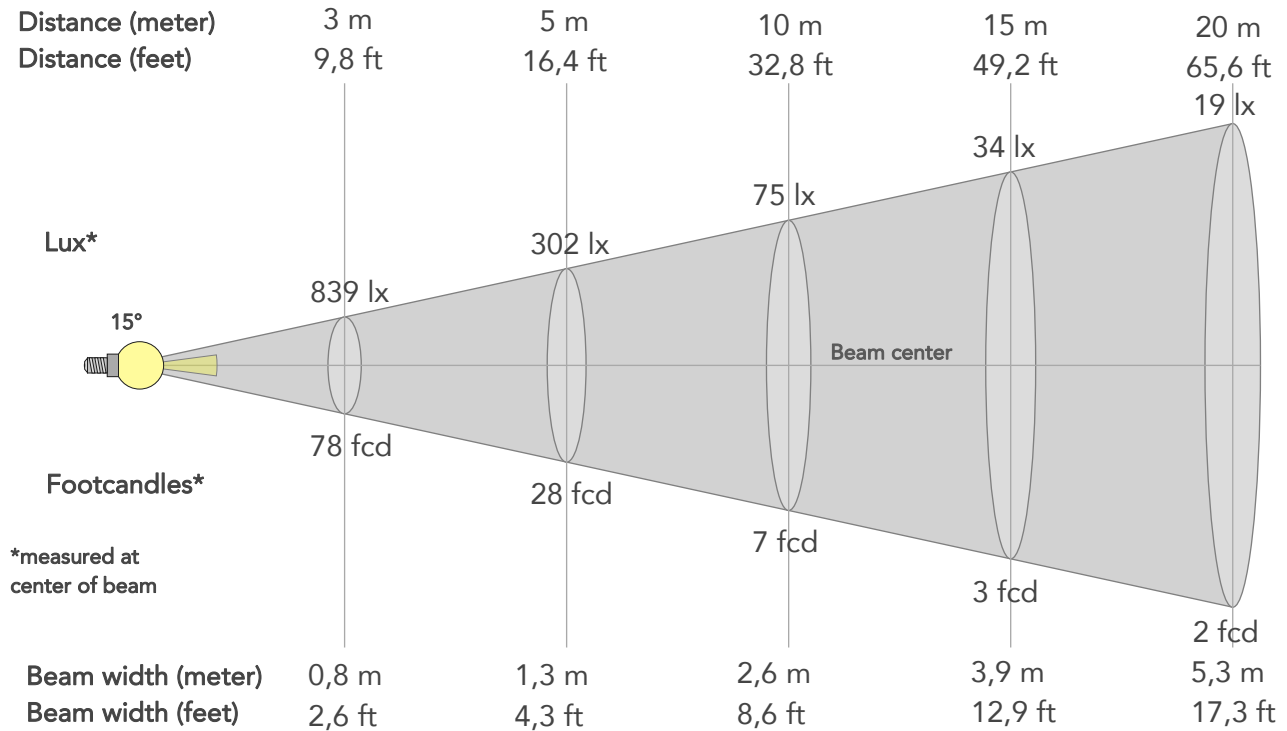
Beam angle 50%: 15°
Field angle 10%: 25,6°
Cut off angle 2.5%: 35°

Spectra



BEAM DETAILS

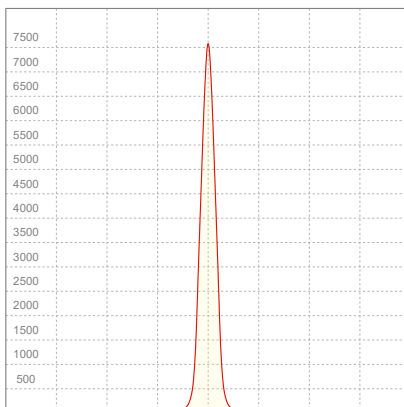
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 15° | 25,6° | 35° | 99,8% | 99,0% |



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 | 7547lx | 1887lx | 839lx | 472lx | 302lx | 134lx | 75lx | 34lx | 19lx | 12lx | 8lx | 5lx | 3lx |
| Footcand. | 701fcd | 175fcd | 78fcd | 44fcd | 28fcd | 12fcd | 7fcd | 3fcd | 2fcd | 1fcd | 1fcd | 0fcd | 0fcd |
| Beam wid. | 0,3m | 0,5m | 0,8m | 1,1m | 1,3m | 2m | 2,6m | 3,9m | 5,3m | 6,6m | 7,9m | 10,5m | 13,2m |
| Beam wid. | 0,9ft | 1,7ft | 2,6ft | 3,4ft | 4,3ft | 6,5ft | 8,6ft | 12,9ft | 17,3ft | 21,6ft | 25,9ft | 34,5ft | 43,2ft |

LINEAR DISTRIBUTION DIAGRAM

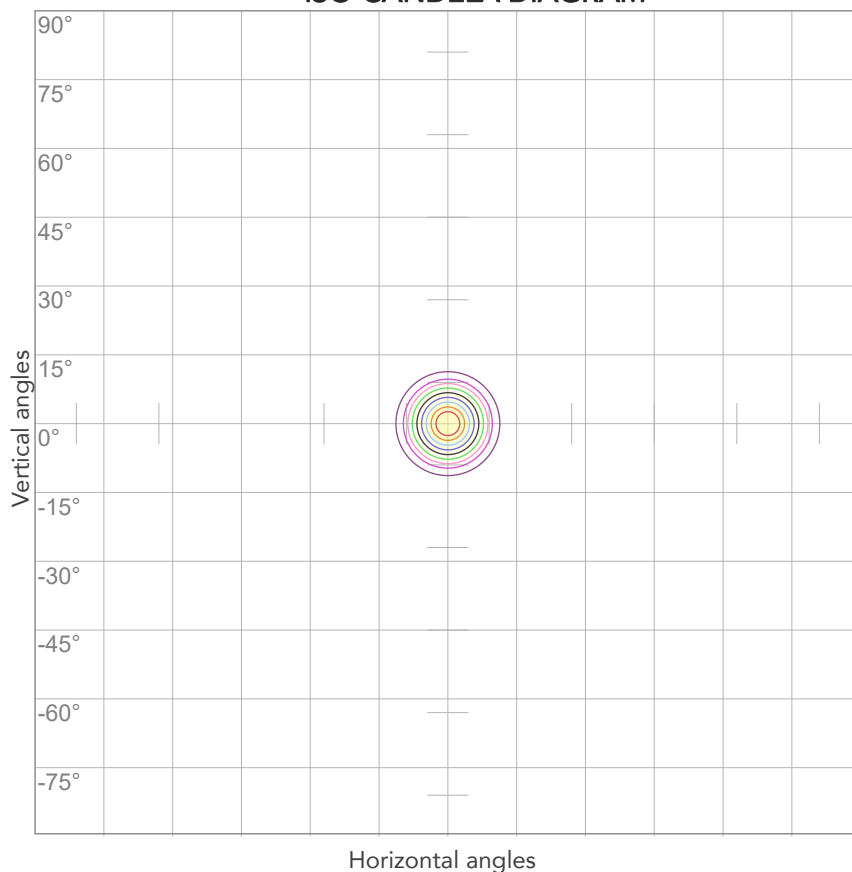


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,186A | 39,9W | 0,95 | 15lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



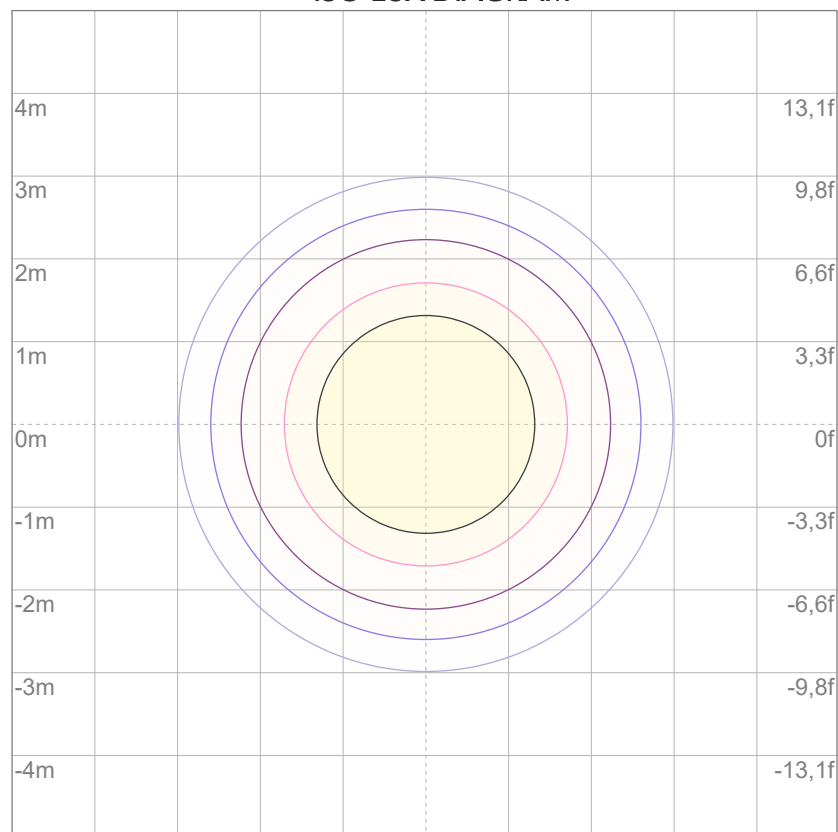
| | |
|-----|---------|
| 10% | 755 cd |
| 20% | 1509 cd |
| 30% | 2264 cd |
| 40% | 3019 cd |
| 50% | 3773 cd |
| 60% | 4528 cd |
| 70% | 5283 cd |
| 80% | 6037 cd |

Conditions:

Number of c-planes: 2

Candela at center: 7547 cd

ISO LUX DIAGRAM



| | |
|-----|---------|
| 3% | 2,26 lx |
| 5% | 3,77 lx |
| 10% | 7,55 lx |
| 30% | 22,6 lx |
| 50% | 37,7 lx |

Conditions:

Number of c-planes: 2

Lux at center: 75,5 lx

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



Total lumen output:

584 lm

Peak candela output:

3018 cd

PRODUCT NAME:

SMARTBAT

MEASUREMENT CONDITIONS:

Beam angle:

25deg Lens

Target:

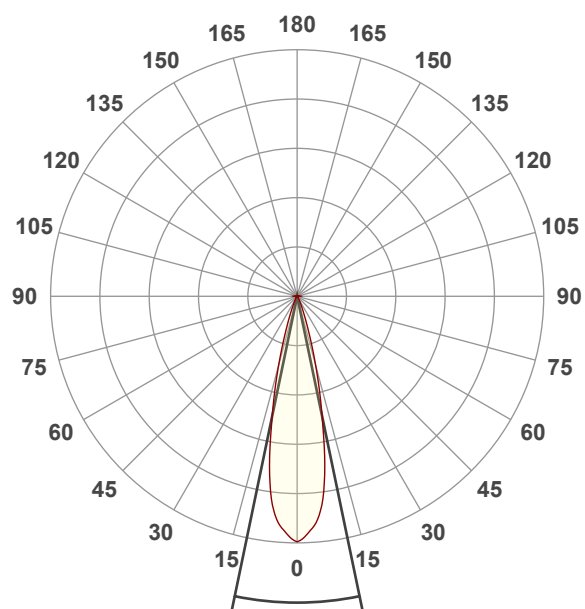
White

Operator:

Salvatore Giglio

Date and time:

06/02/2025 11:16:01

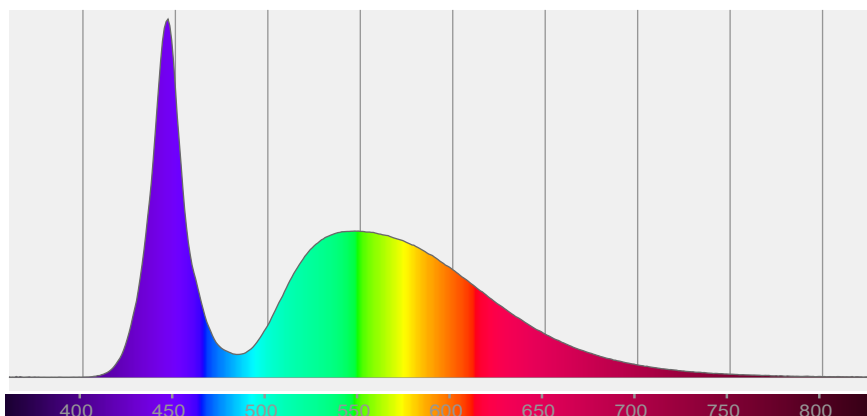


Beam angle 50%: 23,5°

Field angle 10%: 39,9°

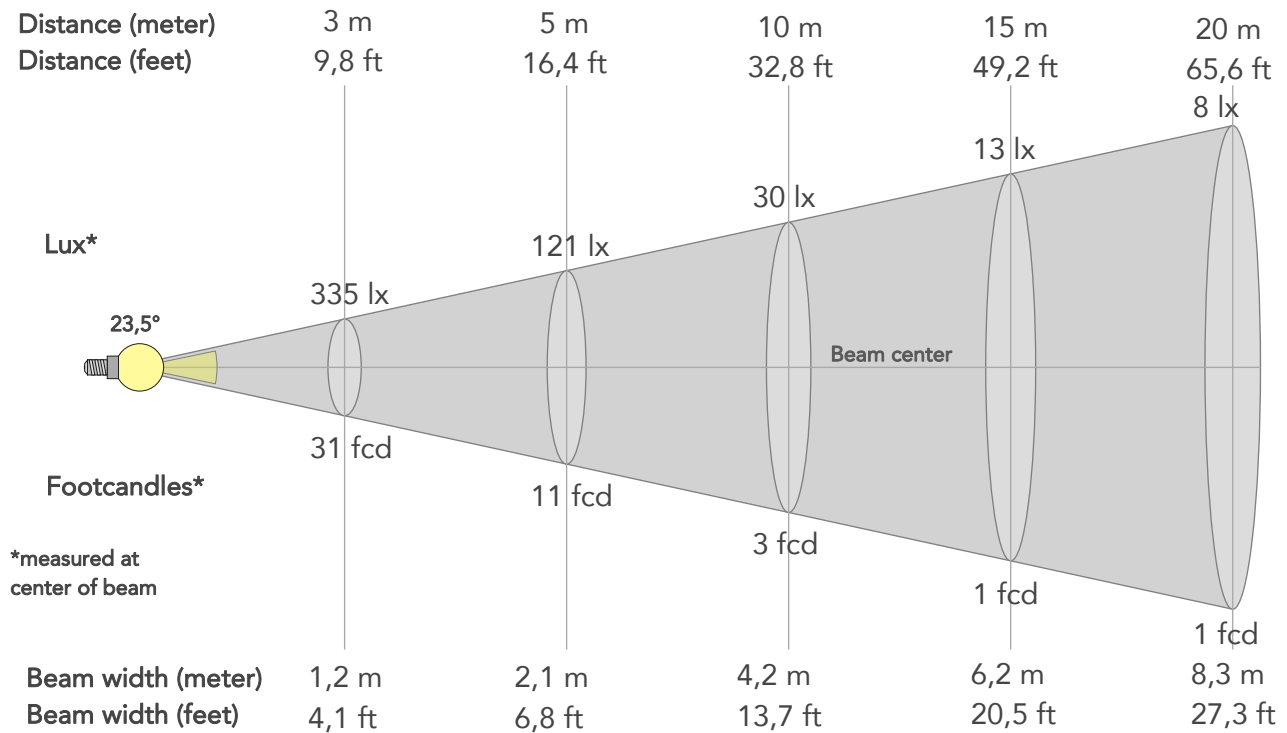
Cut off angle 2.5%: 54°

Spectra



BEAM DETAILS

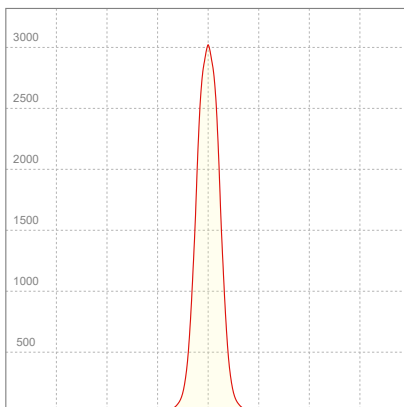
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 23,5° | 39,9° | 54° | 98,8% | 96,8% |



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 | 3018lx | 754lx | 335lx | 189lx | 121lx | 54lx | 30lx | 13lx | 8lx | 5lx | 3lx | 2lx | 1lx |
| Footcand. | 280fcd | 70fcd | 31fcd | 18fcd | 11fcd | 5fcd | 3fcd | 1fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,4m | 0,8m | 1,2m | 1,7m | 2,1m | 3,1m | 4,2m | 6,2m | 8,3m | 10,4m | 12,5m | 16,7m | 20,8m |
| Beam wid. | 1,4ft | 2,7ft | 4,1ft | 5,5ft | 6,8ft | 10,2ft | 13,7ft | 20,5ft | 27,3ft | 34,1ft | 41ft | 54,6ft | 68,3ft |

LINEAR DISTRIBUTION DIAGRAM

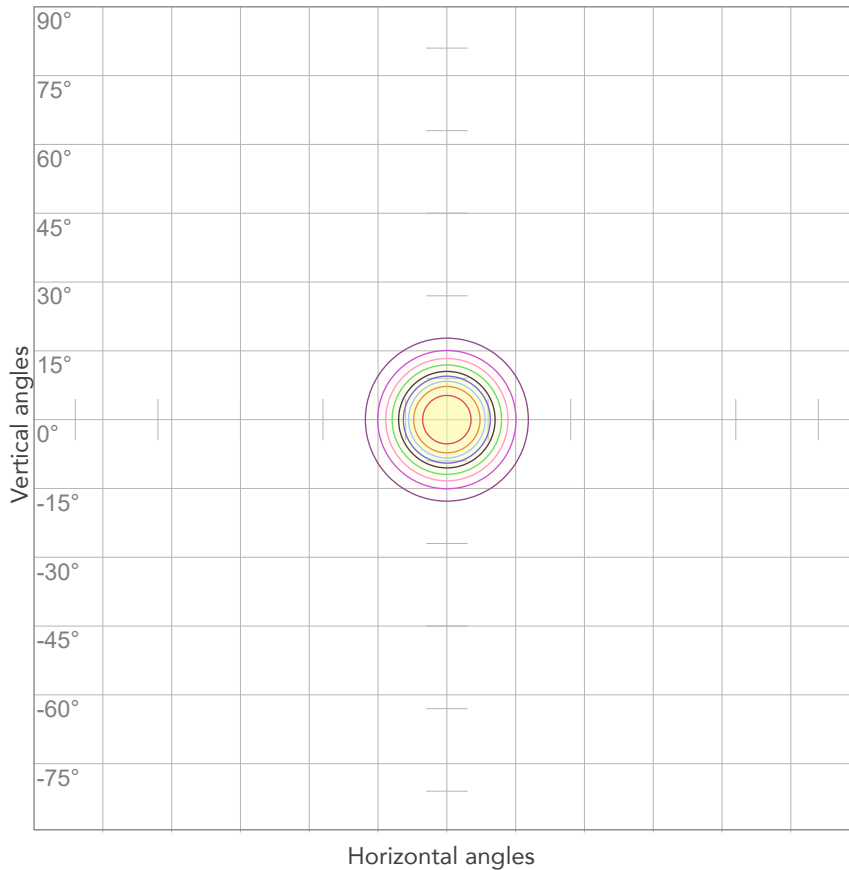


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Efficiency |
|---------------|---------------|-------------|----------|------------|
| 226V | 0,189A | 40,4W | 0,94 | 14lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



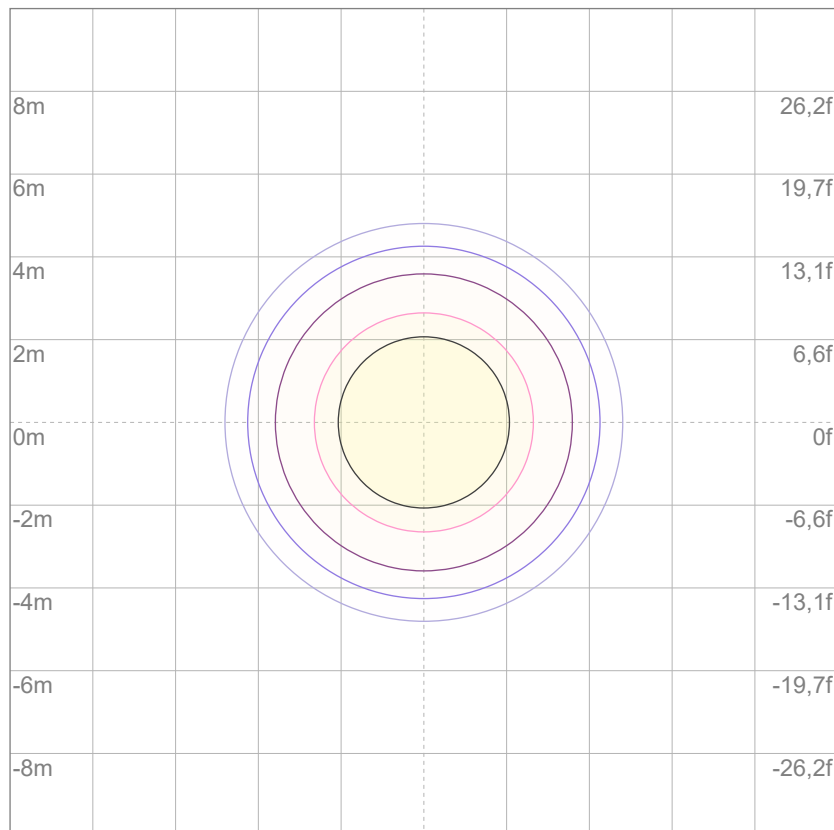
| | |
|-----|---------|
| 10% | 302 cd |
| 20% | 604 cd |
| 30% | 905 cd |
| 40% | 1207 cd |
| 50% | 1509 cd |
| 60% | 1811 cd |
| 70% | 2113 cd |
| 80% | 2414 cd |

Conditions:

Number of c-planes: 2

Candela at center: 3018 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,905 lx |
| 5% | 1,51 lx |
| 10% | 3,02 lx |
| 30% | 9,05 lx |
| 50% | 15,1 lx |

Conditions:

Number of c-planes: 2

Lux at center: 30,2 lx

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



Total lumen output:

565 lm

Peak candela output:

910 cd

PRODUCT NAME:

SMARTBAT

MEASURAMENT CONDITIONS:

Beam angle:

45deg Lens

Target:

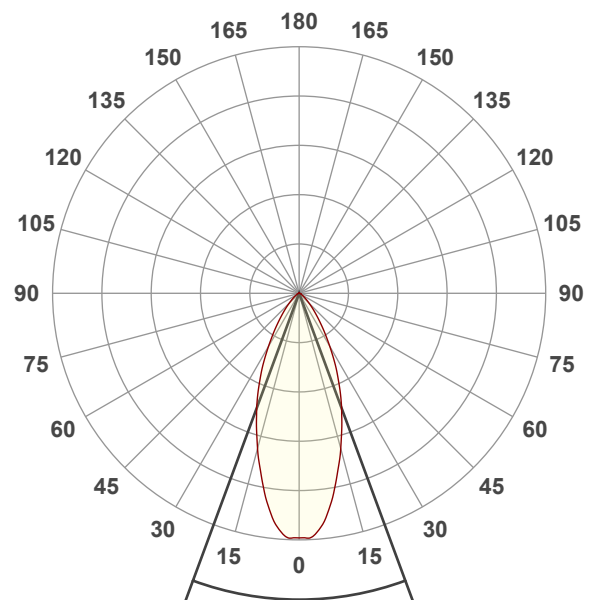
White

Operator:

Salvatore Giglio

Date and time:

06/02/2025 10:59:26

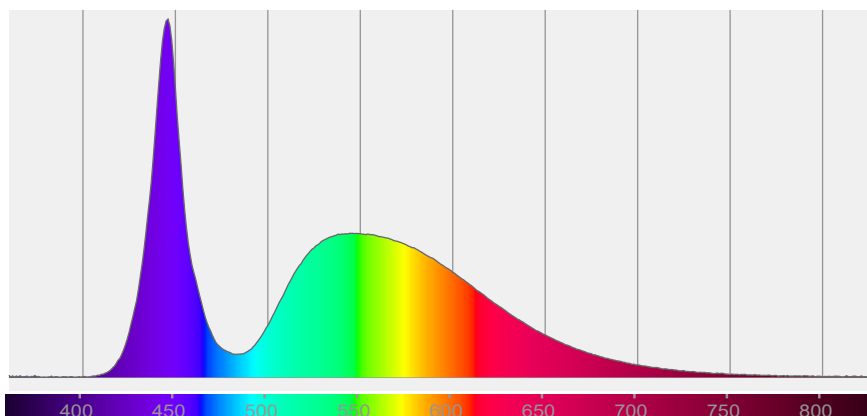


Beam angle 50%: 40,6°

Field angle 10%: 79,4°

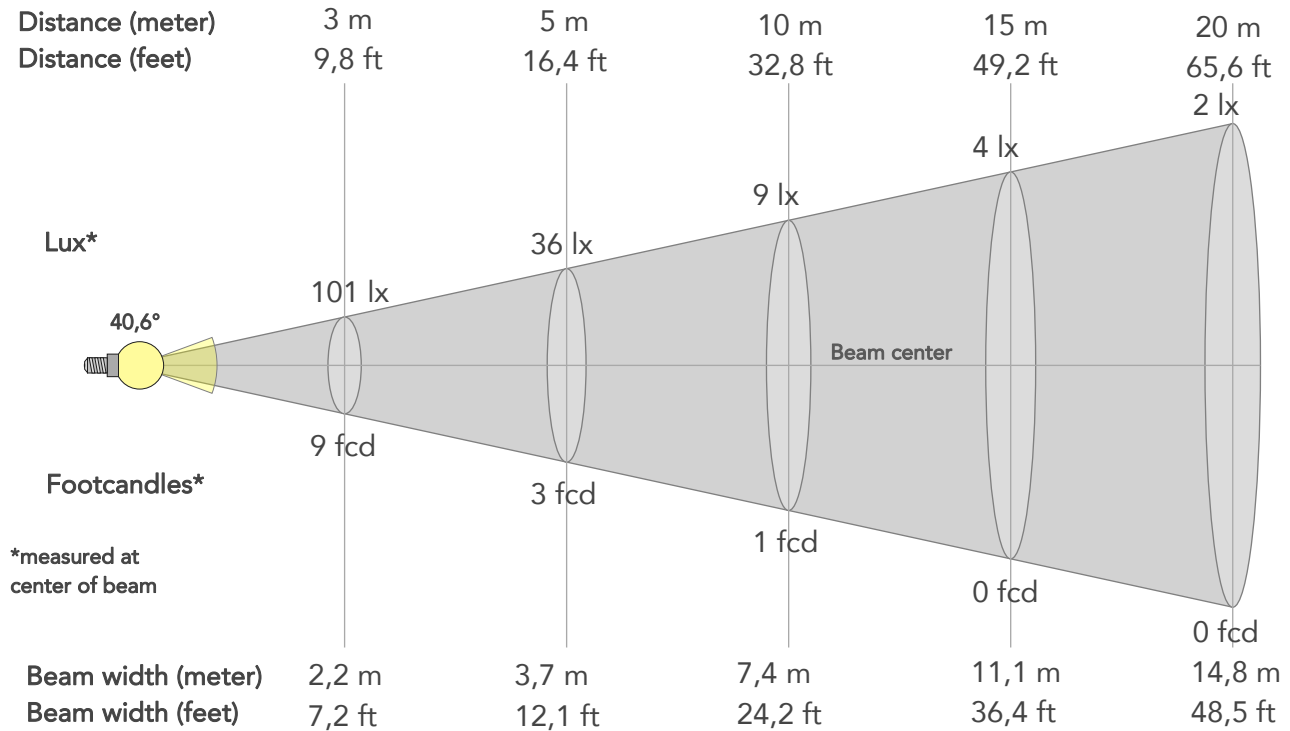
Cut off angle 2.5%: 107,2°

Spectra



BEAM DETAILS

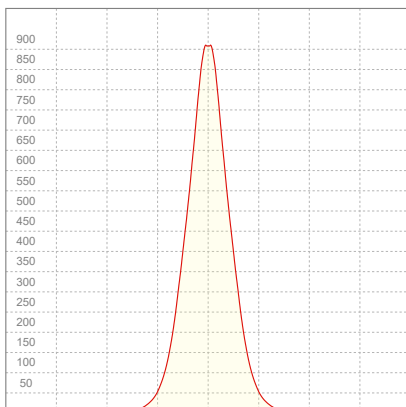
| Beam angle 50% | Field angle 10% | Cut off angle 2,5% | Intensity ratio in 120° cone | Intensity ratio in 90° cone |
|----------------|-----------------|--------------------|------------------------------|-----------------------------|
| 40,6° | 79,4° | 107,2° | 97,6% | 91,5% |



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 | 908lx | 227lx | 101lx | 57lx | 36lx | 16lx | 9lx | 4lx | 2lx | 1lx | 1lx | 1lx | 0lx |
| Footcand. | 84fcd | 21fcd | 9fcd | 5fcd | 3fcd | 2fcd | 1fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd | 0fcd |
| Beam wid. | 0,7m | 1,5m | 2,2m | 3m | 3,7m | 5,5m | 7,4m | 11,1m | 14,8m | 18,5m | 22,2m | 29,6m | 37m |
| Beam wid. | 2,4ft | 4,9ft | 7,2ft | 9,7ft | 12,1ft | 18,2ft | 24,2ft | 36,4ft | 48,5ft | 60,6ft | 72,7ft | 97ft | 121,2ft |

LINEAR DISTRIBUTION DIAGRAM

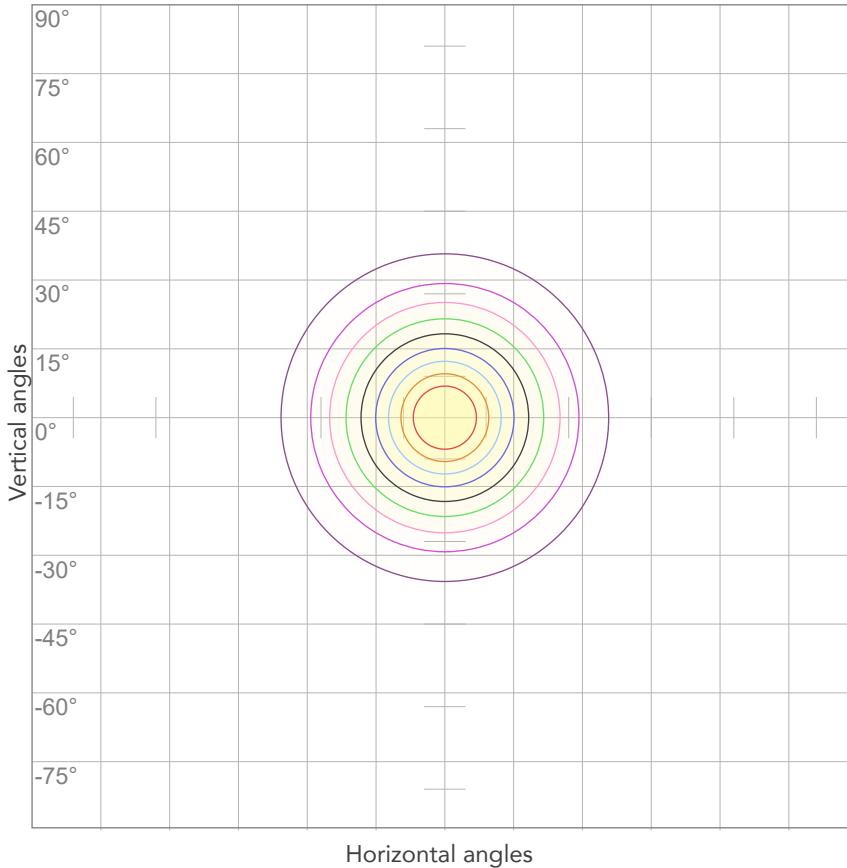


ELECTRICAL SPECIFICATIONS

| Input voltage | Input current | Input power | Power FC | Effeciency |
|---------------|---------------|-------------|----------|------------|
| 227V | 0,188A | 40,2W | 0,94 | 14lm/W |

ISO DIAGRAMS

ISO CANDELA DIAGRAM



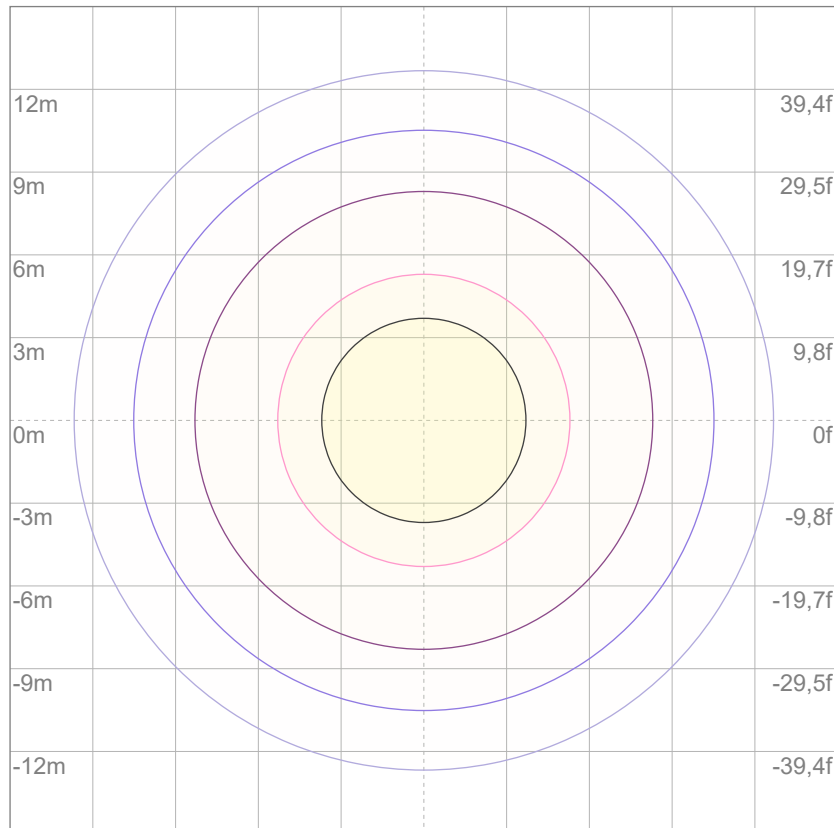
| | |
|-----|--------|
| 10% | 91 cd |
| 20% | 182 cd |
| 30% | 272 cd |
| 40% | 363 cd |
| 50% | 454 cd |
| 60% | 545 cd |
| 70% | 636 cd |
| 80% | 727 cd |

Conditions:

Number of c-planes: 2

Candela at center: 908 cd

ISO LUX DIAGRAM



| | |
|-----|----------|
| 3% | 0,272 lx |
| 5% | 0,454 lx |
| 10% | 0,908 lx |
| 30% | 2,72 lx |
| 50% | 4,54 lx |

Conditions:

Number of c-planes: 2

Lux at center: 9,08 lx

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