Photometric Test Report

ECLFRESNELCT+S

200W indoor Led Fresnel with 6 color source

150mm-6” lens

(High Quality Mode)

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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:

2359 lm

Peak candela output:

3535 cd

PRODUCT NAME:

ECLFRCTPS

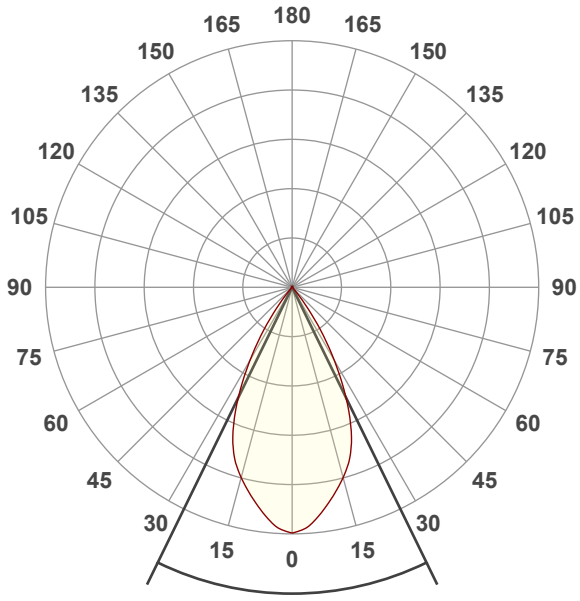
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Full On - HQ

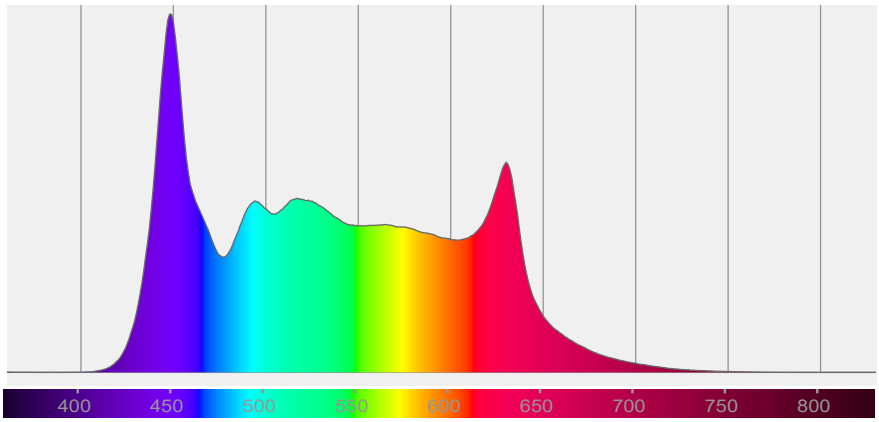
Operator:
Salvatore Giglio

Date and time:
02/10/2023 17:35:03



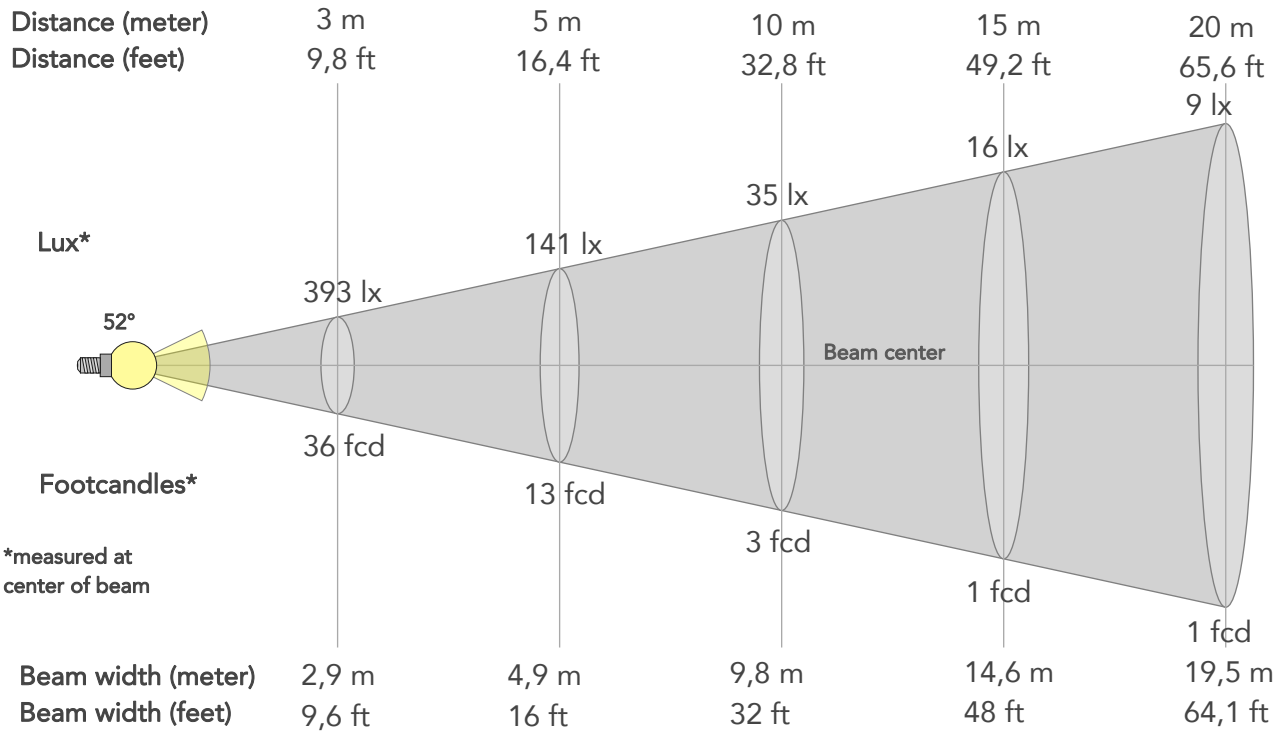
Beam angle 50%: 52°
Field angle 10%: 73,9°
Cut off angle 2.5%: 82,3°

Spectra



BEAM DETAILS

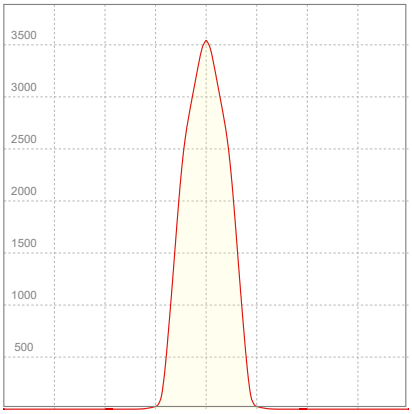
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52°	73,9°	82,3°	100,0%	99,5%



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	3535lx	884lx	393lx	221lx	141lx	63lx	35lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	328fcd	82fcd	36fcd	21fcd	13fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,3m	9,8m	14,6m	19,5m	24,4m	29,3m	39,1m	48,8m
Beam wid.	3,2ft	6,4ft	9,6ft	12,8ft	16ft	24ft	32ft	48ft	64,1ft	80,1ft	96,1ft	128,1ft	160,1ft

LINEAR DISTRIBUTION DIAGRAM



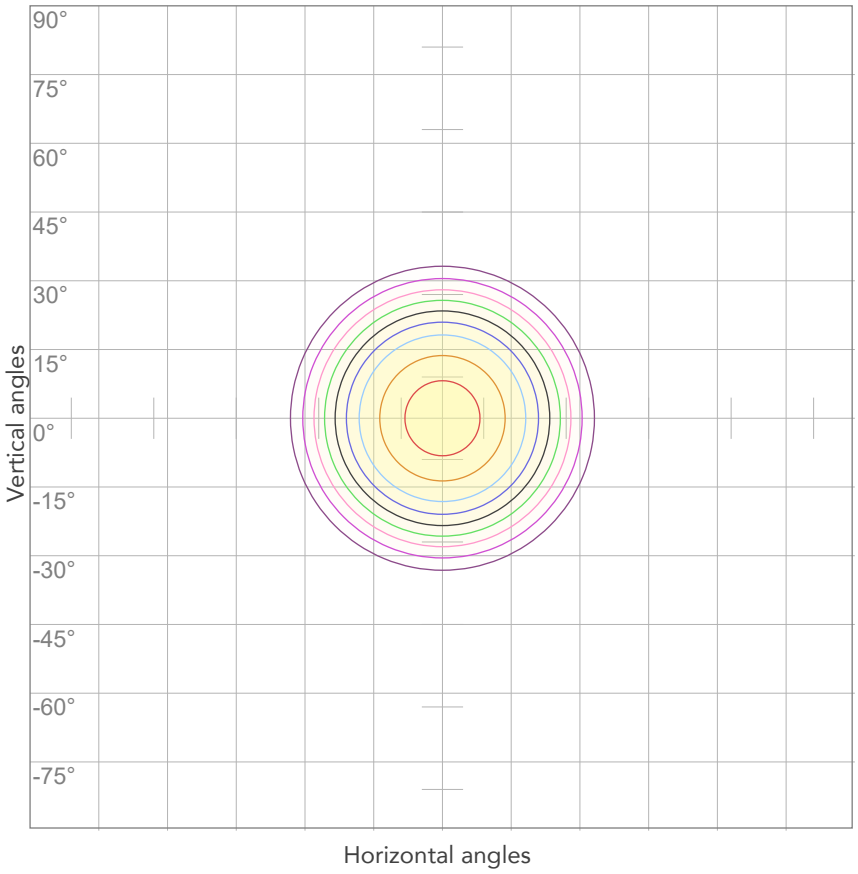
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,405A	89,9W	26lm/W

Power FC
0,98

ISO DIAGRAMS

ISO CANDELA DIAGRAM



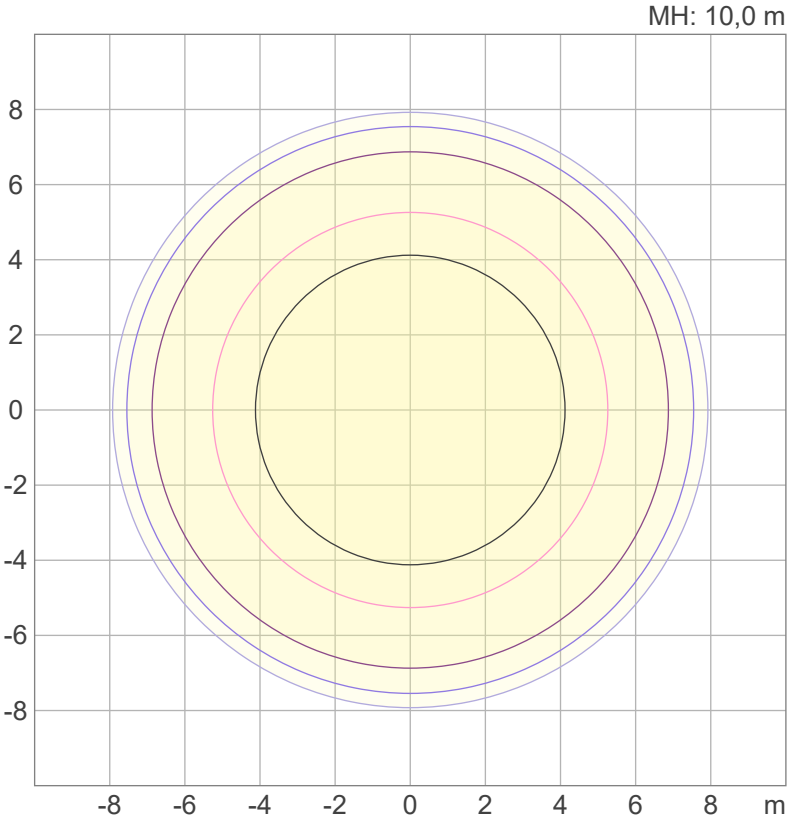
10%	353 cd
20%	707 cd
30%	1060 cd
40%	1414 cd
50%	1767 cd
60%	2121 cd
70%	2474 cd
80%	2828 cd

Conditions:

Number of c-planes: 2

Candela at center: 3535 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,06 lx
5%	1,77 lx
10%	3,53 lx
30%	10,6 lx
50%	17,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 35,3 lx

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

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info@prolights.it

Total lumen output:

1748 lm

Peak candela output:

11886 cd

PRODUCT NAME:

ECLFRCTPS

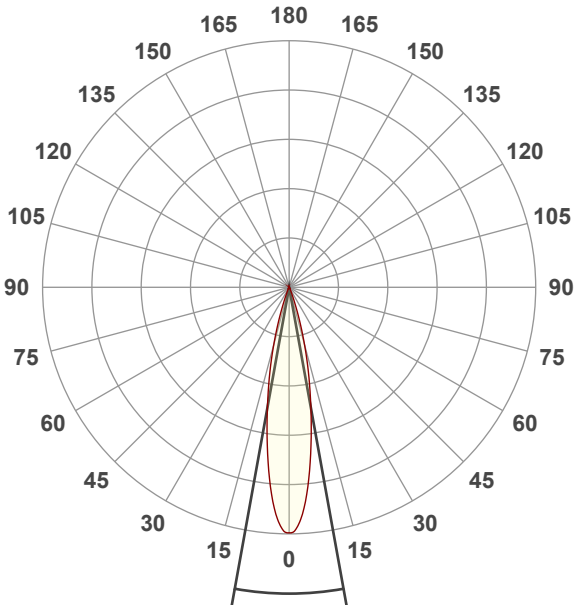
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Full On - HQ

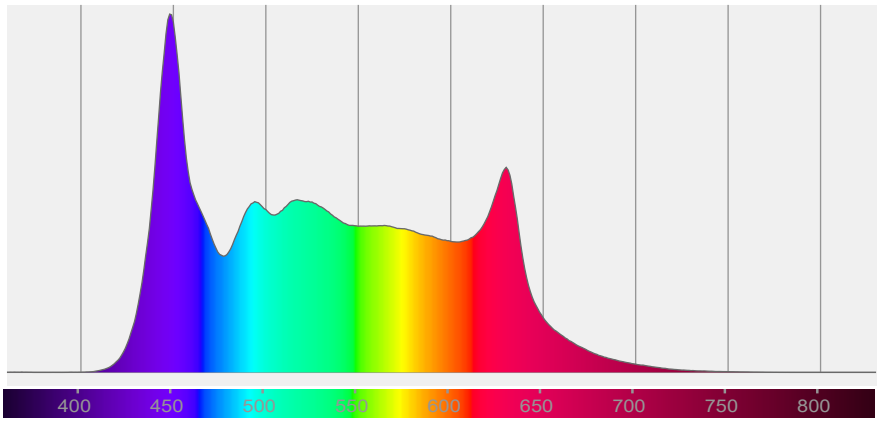
Operator:
Salvatore Giglio

Date and time:
02/10/2023 17:31:35



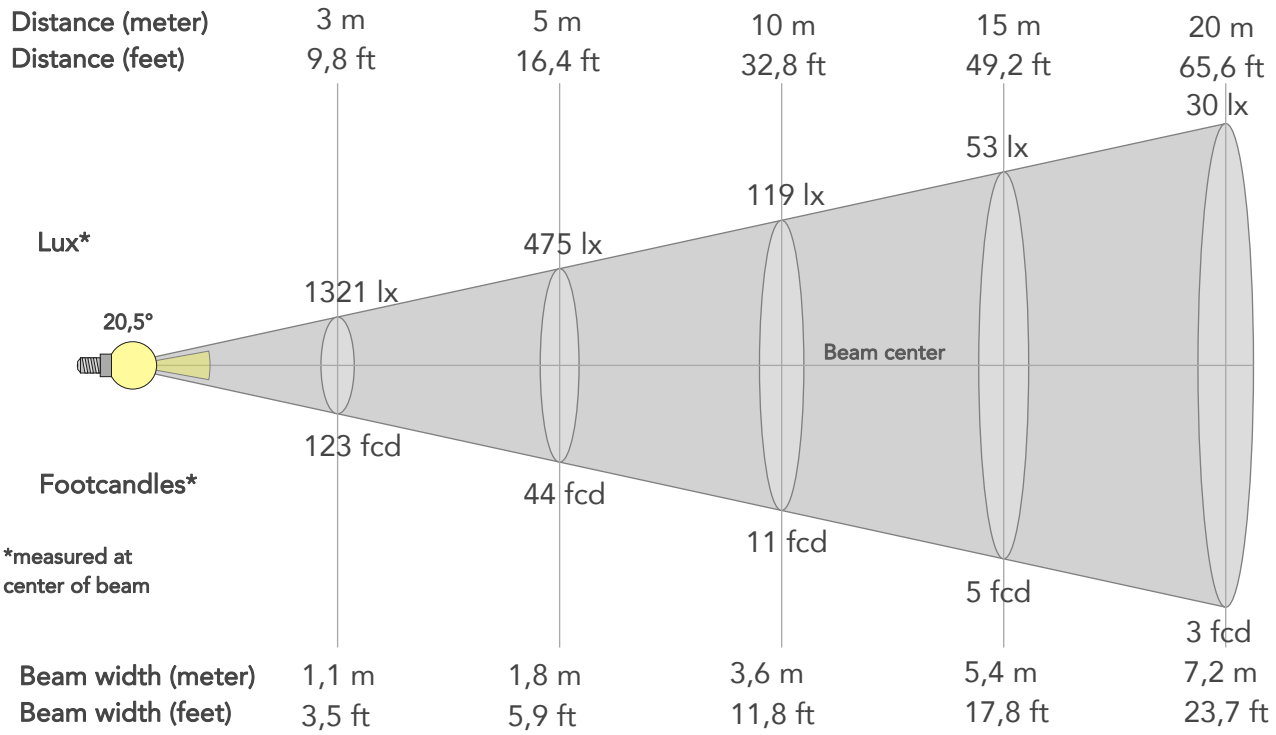
Beam angle 50%: 20,5°
Field angle 10%: 37,1°
Cut off angle 2.5%: 45,7°

Spectra



BEAM DETAILS

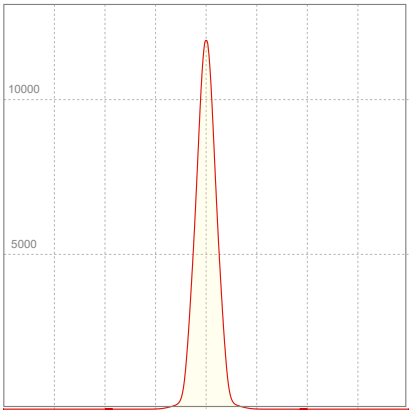
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,5°	37,1°	45,7°	100,0%	99,9%



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	11886lx	2972lx	1321lx	743lx	475lx	211lx	119lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1104fcd	276fcd	123fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,4m	18m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,9ft	11,8ft	17,8ft	23,7ft	29,6ft	35,5ft	47,3ft	59,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,405A	89,6W	20lm/W

Power FC
0,98

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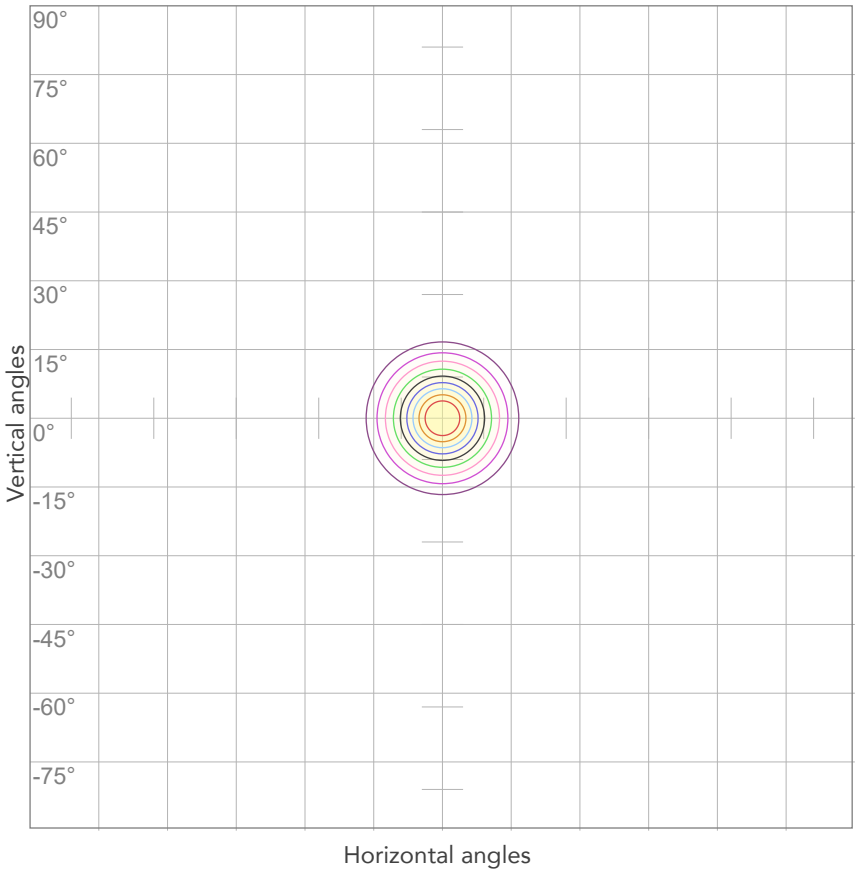
ISO DIAGRAMS

ISO CANDELA DIAGRAM



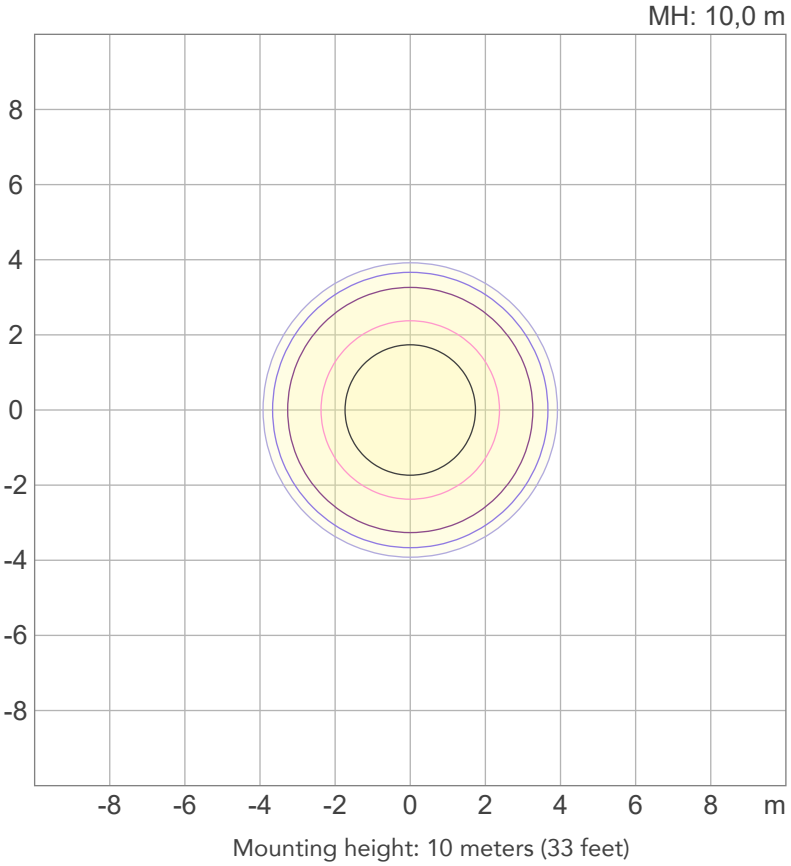
10%	1189 cd
20%	2377 cd
30%	3566 cd
40%	4754 cd
50%	5943 cd
60%	7132 cd
70%	8320 cd
80%	9509 cd

Conditions:

Number of c-planes: 2

Candela at center: 11886 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,57 lx
5%	5,94 lx
10%	11,9 lx
30%	35,7 lx
50%	59,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 119 lx

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

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Total lumen output:

980 lm

Peak candela output:

27450 cd

PRODUCT NAME:

ECLFRCTPS

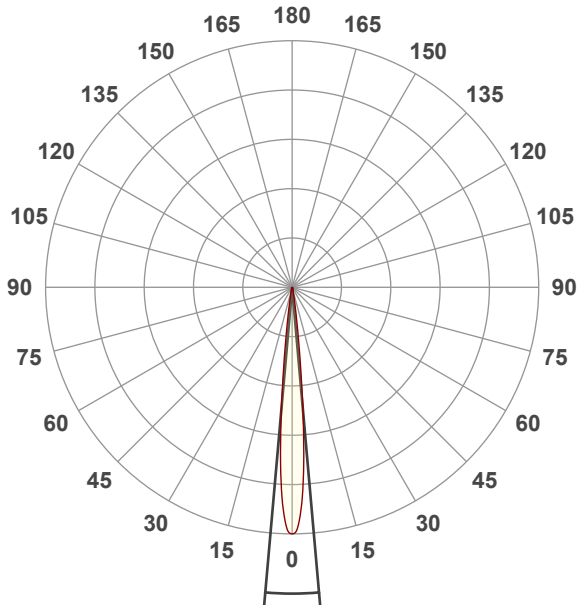
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Full On - HQ

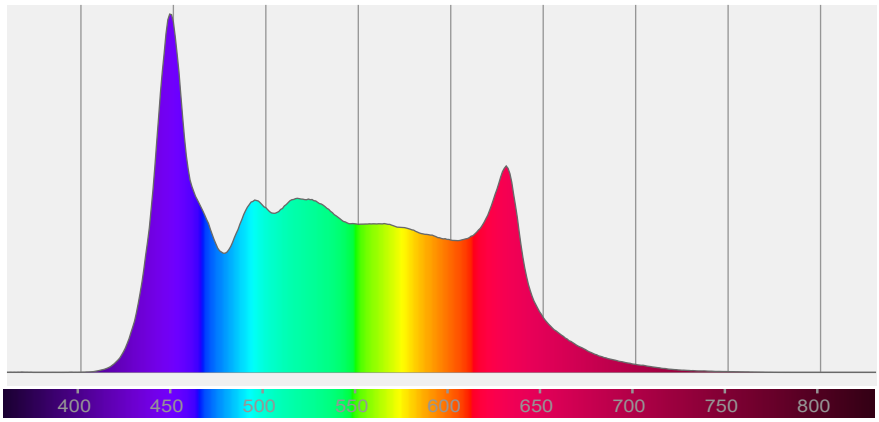
Operator:
Salvatore Giglio

Date and time:
02/10/2023 17:33:06



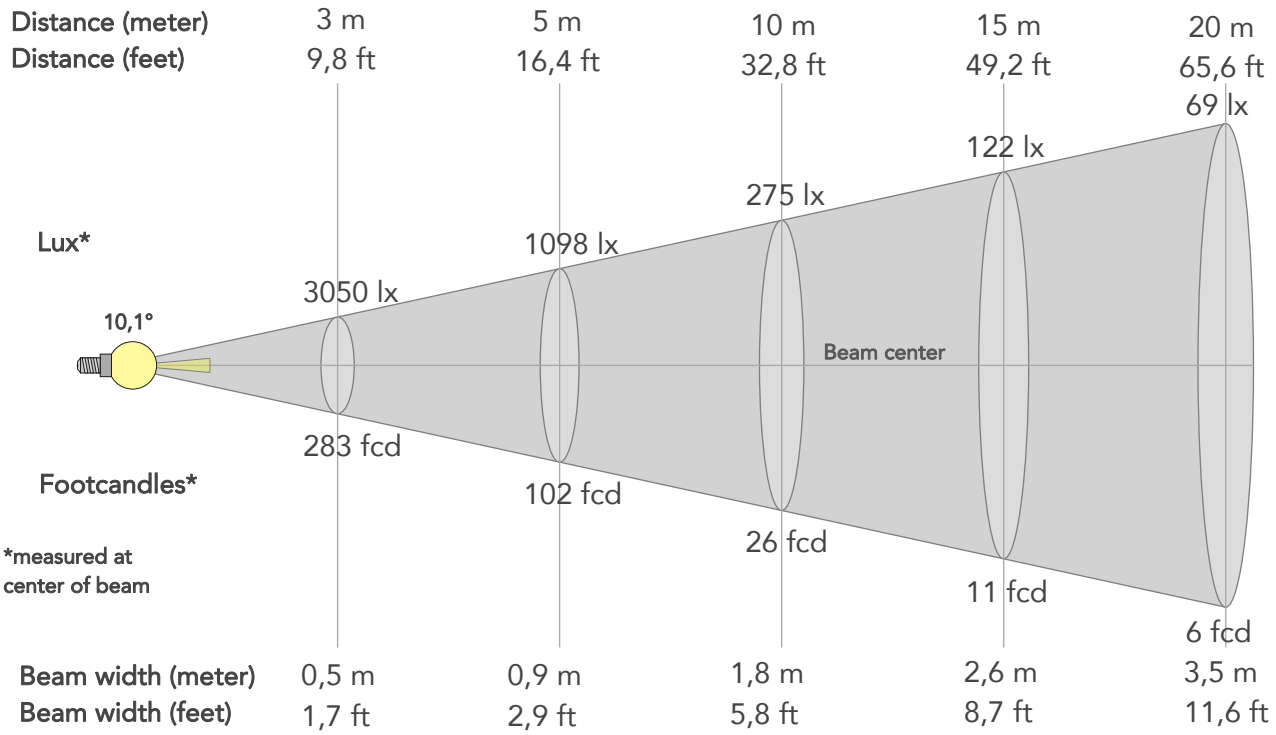
Beam angle 50%: 10,1°
Field angle 10%: 17,1°
Cut off angle 2.5%: 23,6°

Spectra



BEAM DETAILS

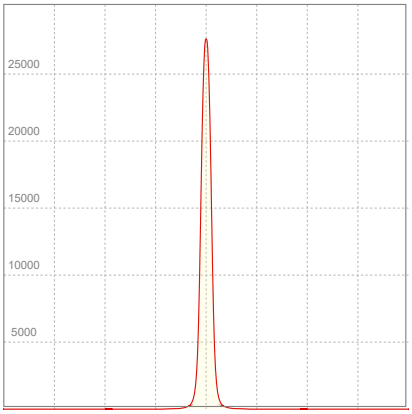
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	17,1°	23,6°	100,0%	100,0%



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	27450lx	6863lx	3050lx	1716lx	1098lx	488lx	275lx	122lx	69lx	44lx	31lx	17lx	11lx
Footcand.	2550fcd	638fcd	283fcd	159fcd	102fcd	45fcd	26fcd	11fcd	6fcd	4fcd	3fcd	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	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,7ft	11,6ft	14,4ft	17,3ft	23,1ft	28,9ft

LINEAR DISTRIBUTION DIAGRAM



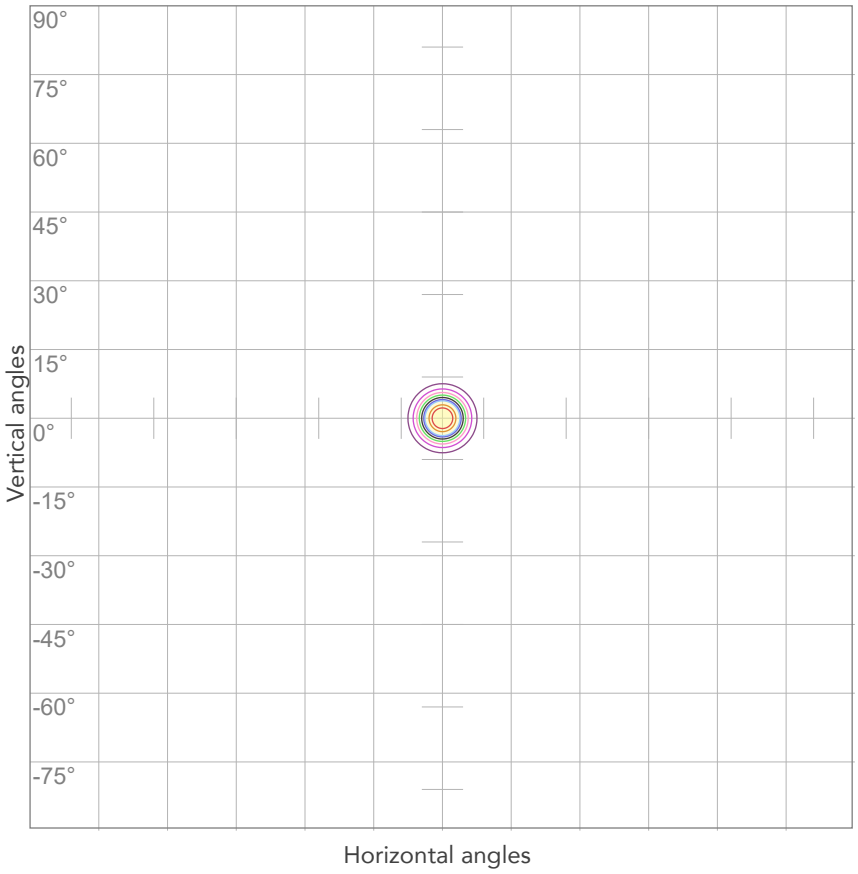
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,405A	89,8W	11lm/W

Power FC
0,98

ISO DIAGRAMS

ISO CANDELA DIAGRAM



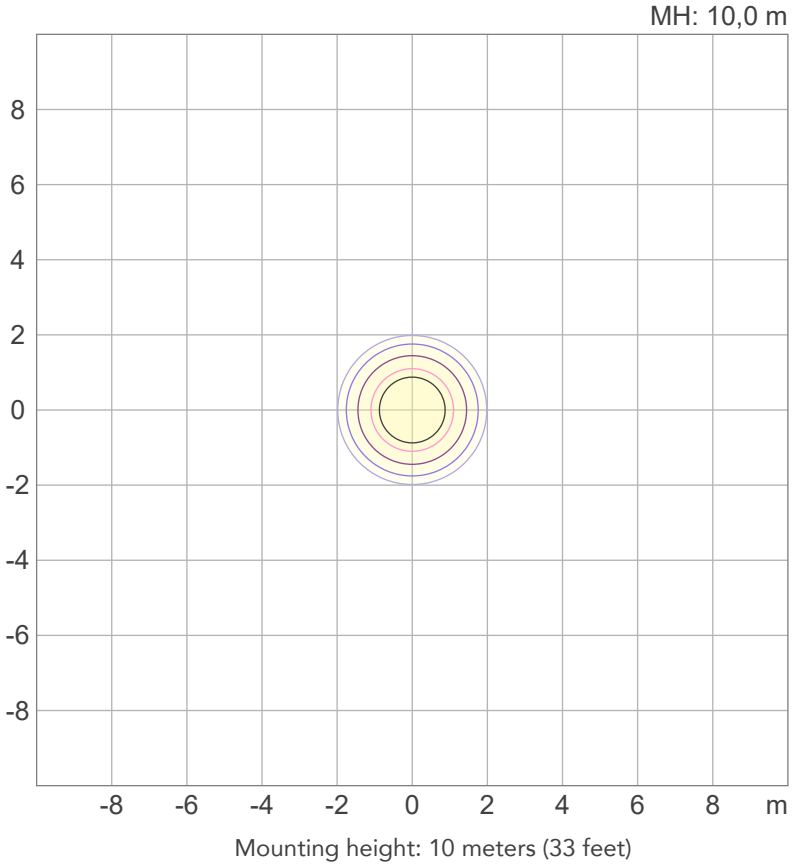
10%	2745 cd
20%	5490 cd
30%	8235 cd
40%	10980 cd
50%	13725 cd
60%	16470 cd
70%	19215 cd
80%	21960 cd

Conditions:

Number of c-planes: 2

Candela at center: 27450 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	8,24 lx
5%	13,7 lx
10%	27,5 lx
30%	82,4 lx
50%	137 lx

Conditions:

Number of c-planes: 2

Lux at center: 275 lx

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

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Total lumen output:

748 lm

Peak candela output:

1112 cd

PRODUCT NAME:

ECLFRCTPS

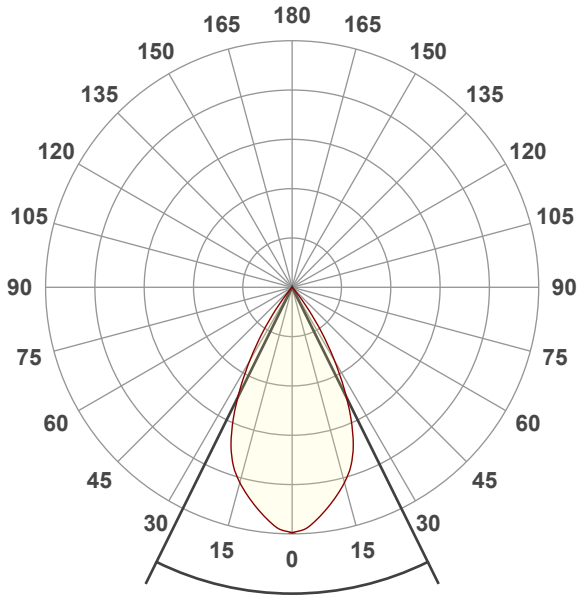
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Red - HQ

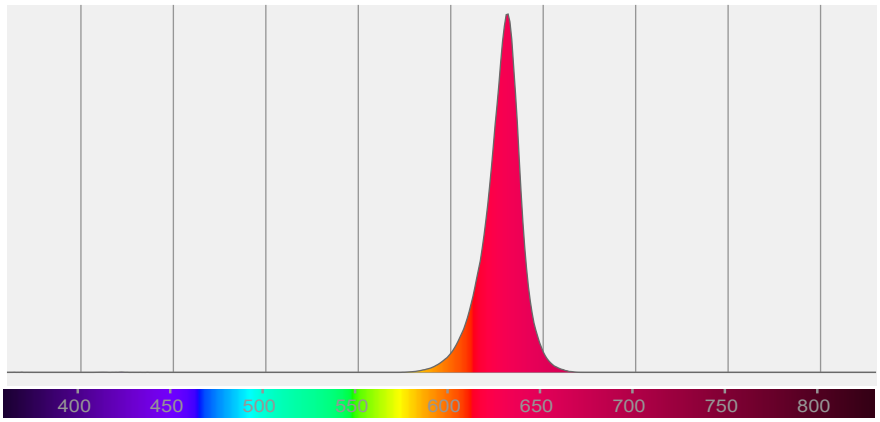
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:05:09



Beam angle 50%: 52,6°
Field angle 10%: 73,5°
Cut off angle 2.5%: 80,9°

Spectra



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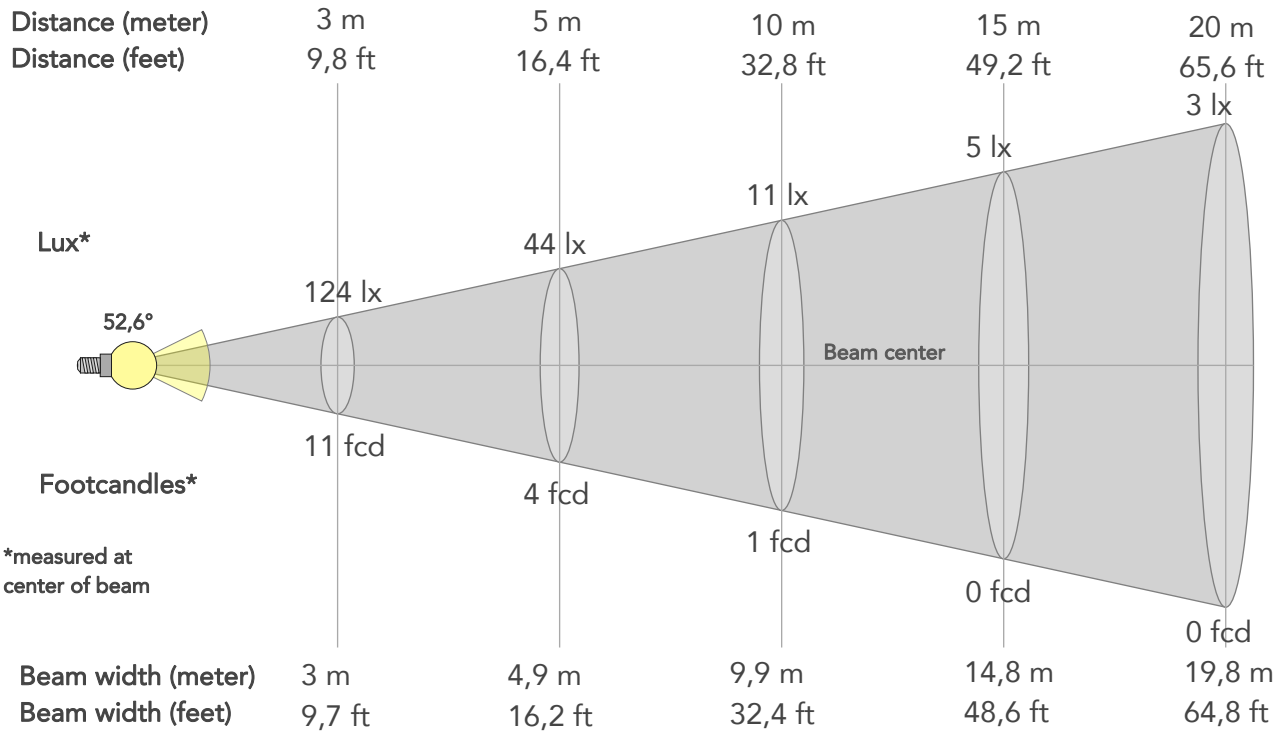
BEAM DETAILS

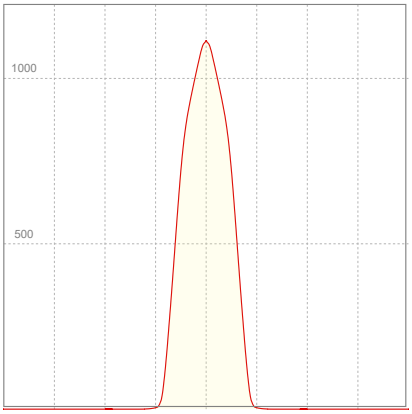
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,6°	73,5°	80,9°	100,0%	99,8%



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	1112lx	278lx	124lx	70lx	44lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	103fcd	26fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	3m	4m	4,9m	7,4m	9,9m	14,8m	19,8m	24,7m	29,6m	39,5m	49,4m
Beam wid.	3,3ft	6,5ft	9,7ft	12,9ft	16,2ft	24,3ft	32,4ft	48,6ft	64,8ft	81ft	97,2ft	129,6ft	162ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,210A	43,1W	17lm/W

Power FC
0,9

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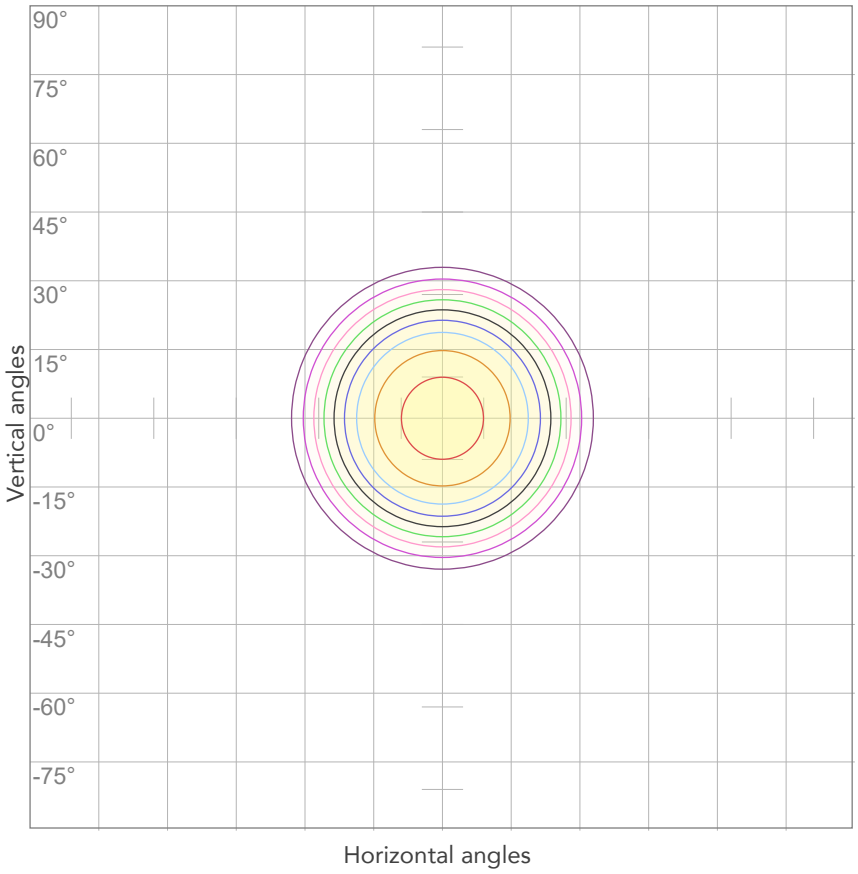
ISO DIAGRAMS

ISO CANDELA DIAGRAM



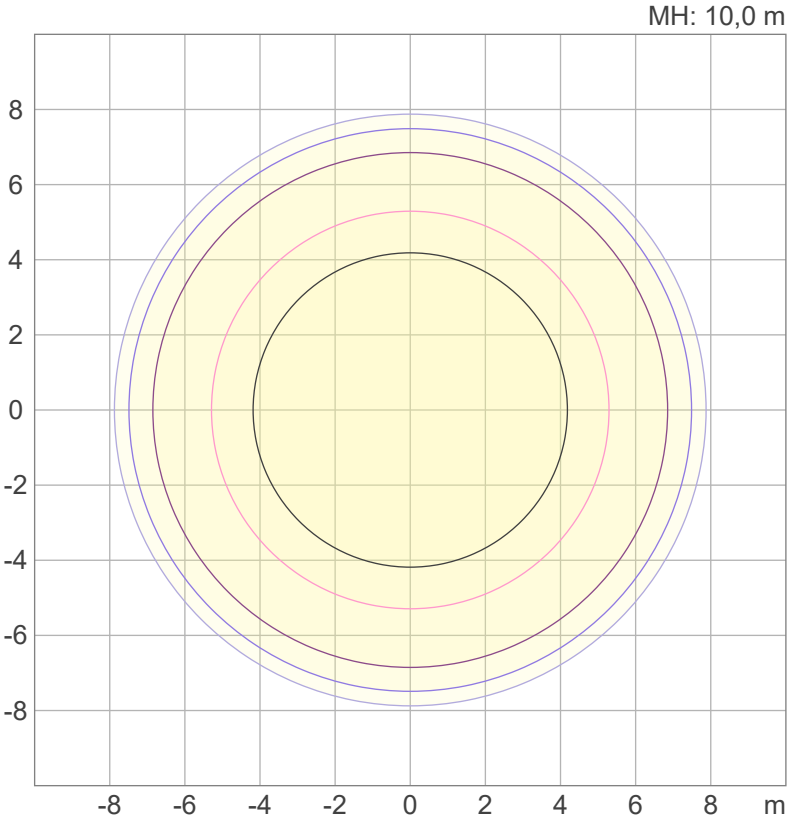
10%	111 cd
20%	222 cd
30%	334 cd
40%	445 cd
50%	556 cd
60%	667 cd
70%	779 cd
80%	890 cd

Conditions:

Number of c-planes: 2

Candela at center: 1112 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,334 lx
5%	0,556 lx
10%	1,11 lx
30%	3,34 lx
50%	5,56 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,1 lx

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

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Total lumen output:

540 lm

Peak candela output:

3712 cd

PRODUCT NAME:

ECLFRCTPS

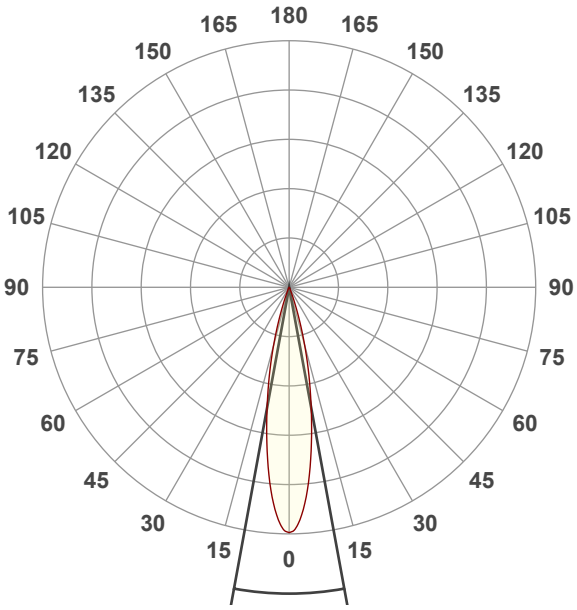
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Red - **HQ**

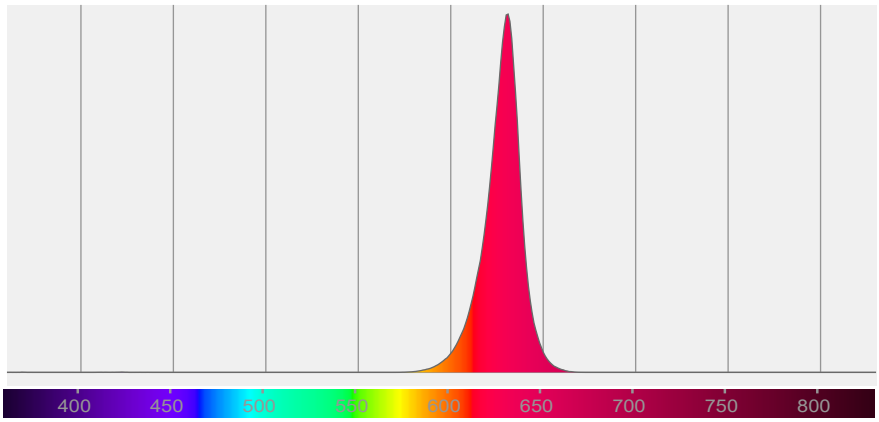
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:28:18



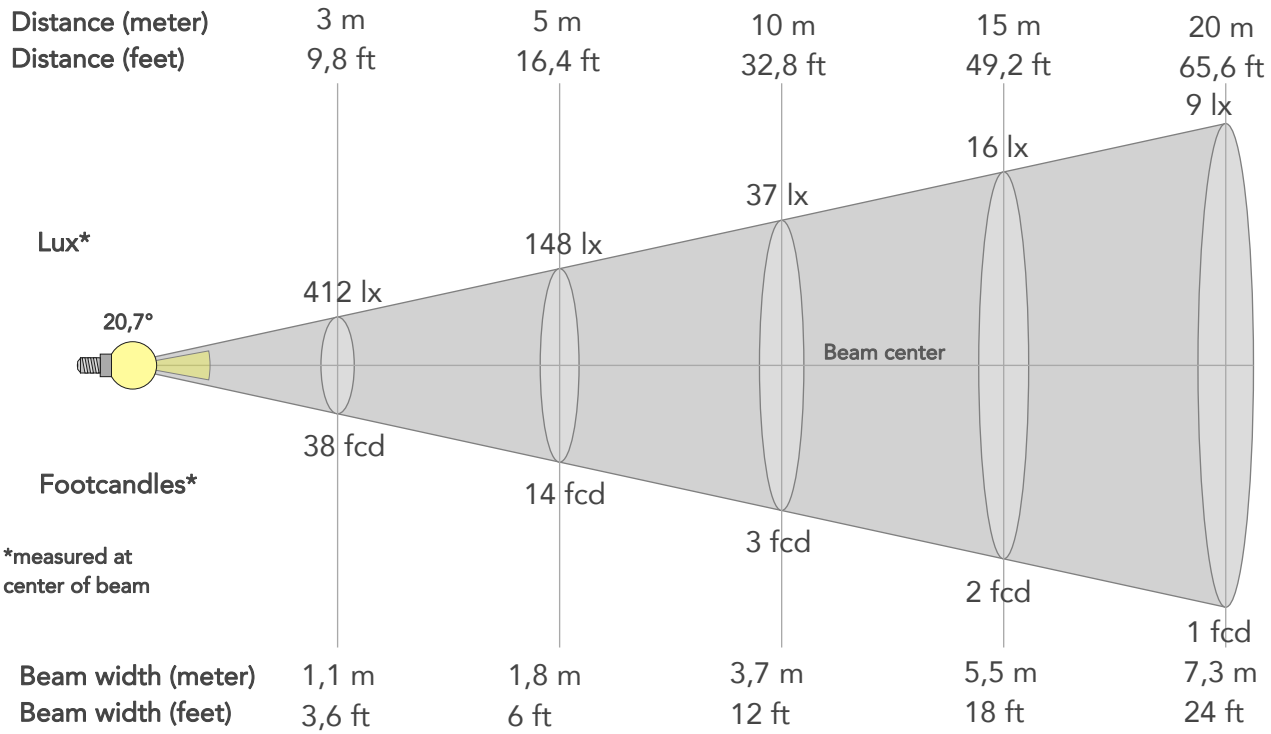
Beam angle 50%: 20,7°
Field angle 10%: 37°
Cut off angle 2.5%: 44,6°

Spectra



BEAM DETAILS

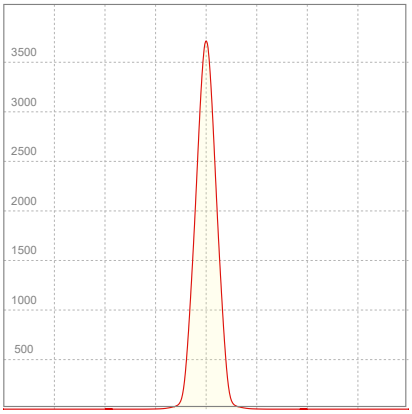
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,7°	37°	44,6°	100,0%	99,9%



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	3712lx	928lx	412lx	232lx	148lx	66lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	345fcd	86fcd	38fcd	22fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,7m	5,5m	7,3m	9,2m	11m	14,6m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18ft	24ft	30ft	36ft	48ft	60ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,210A	42,8W	13lm/W

Power FC
0,9

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Via A. Olivetti snc
04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

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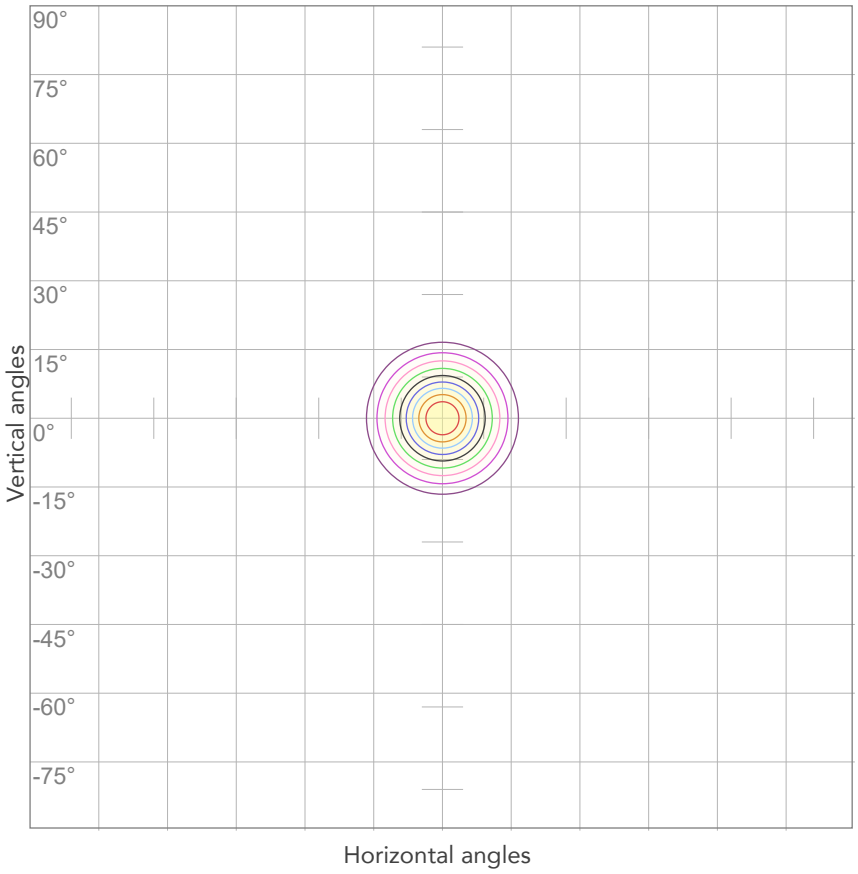
info@prolights.it

ISO DIAGRAMS

ISO CANDELA DIAGRAM



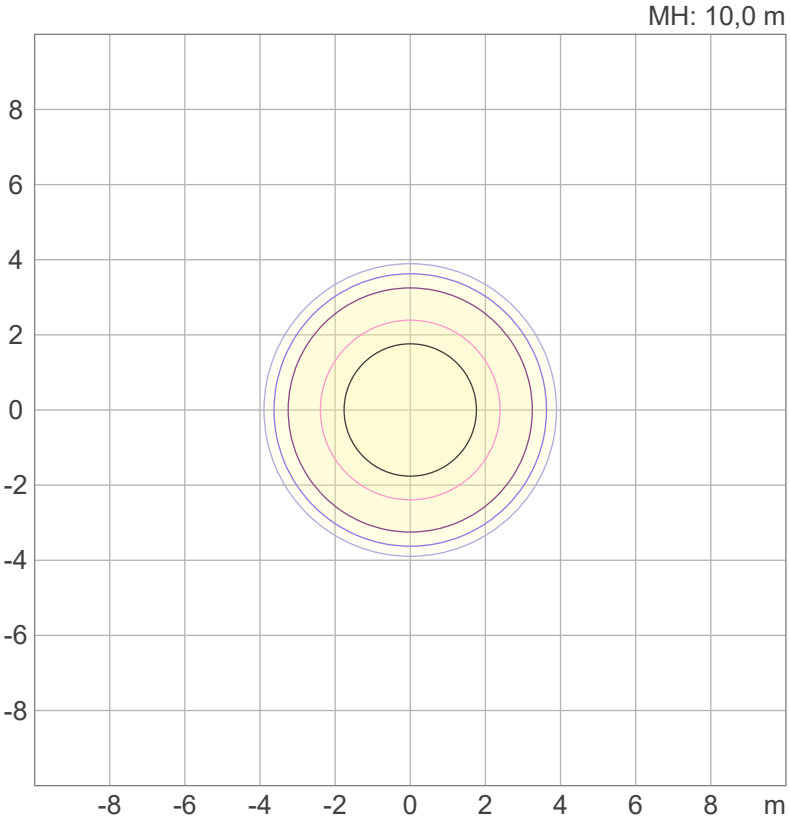
10%	371 cd
20%	742 cd
30%	1114 cd
40%	1485 cd
50%	1856 cd
60%	2227 cd
70%	2599 cd
80%	2970 cd

Conditions:

Number of c-planes: 2

Candela at center: 3712 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,11 lx
5%	1,86 lx
10%	3,71 lx
30%	11,1 lx
50%	18,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 37,1 lx

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

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Total lumen output:

288 lm

Peak candela output:

8518 cd

PRODUCT NAME:

ECLFRCTPS

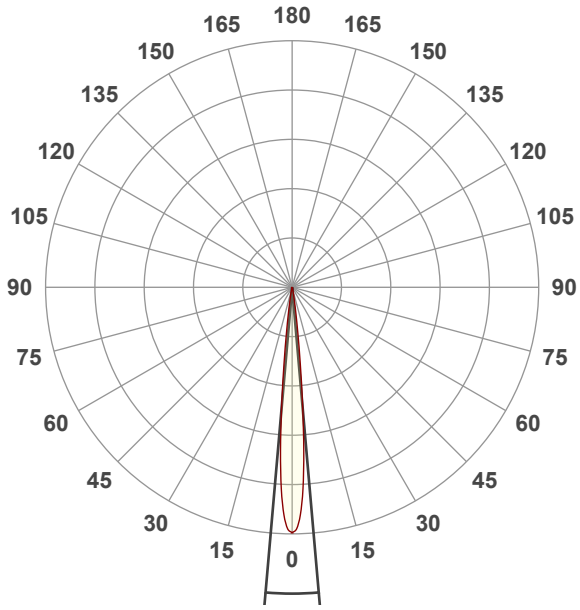
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Red - **HQ**

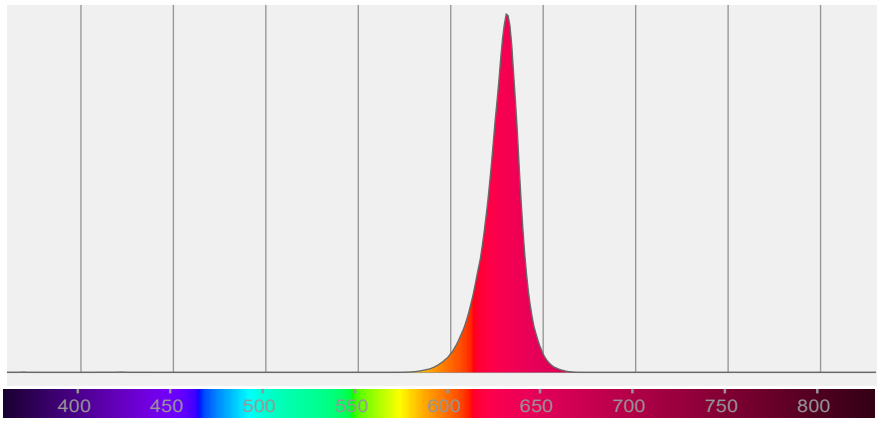
Operator:
Salvatore Giglio

Date and time:
18/09/2023 10:50:48



Beam angle 50%: 10°
Field angle 10%: 16,8°
Cut off angle 2.5%: 22,6°

Spectra



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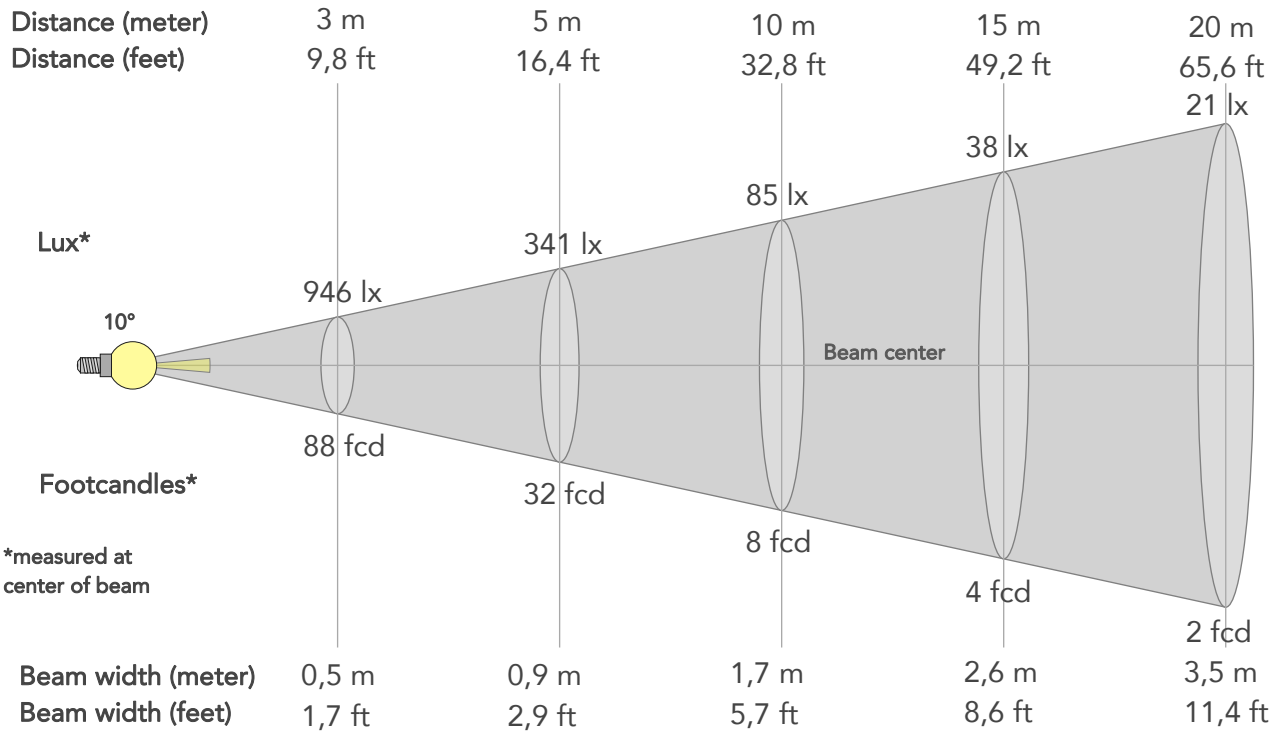
BEAM DETAILS

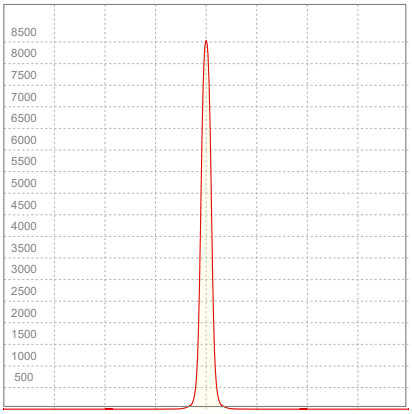
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	16,8°	22,6°	100,0%	100,0%



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	8518lx	2130lx	946lx	532lx	341lx	151lx	85lx	38lx	21lx	14lx	9lx	5lx	3lx
Footcand.	791fcd	198fcd	88fcd	49fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	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	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,4ft	14,3ft	17,2ft	22,9ft	28,6ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,206A	41,9W	7lm/W

Power FC
0,89

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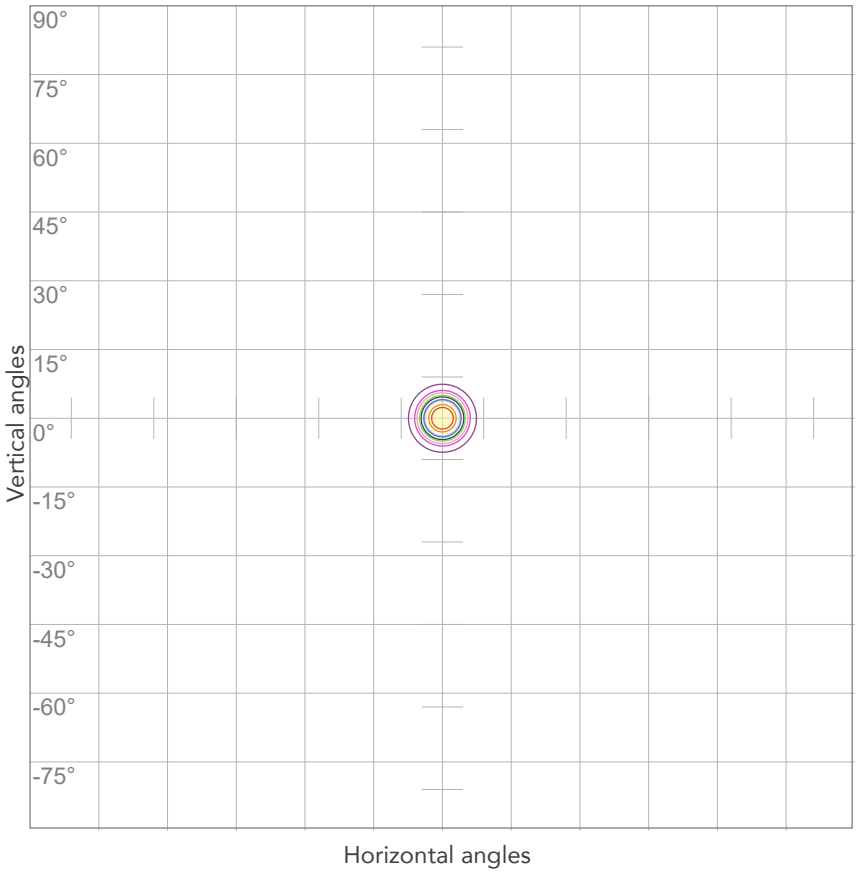
ISO DIAGRAMS

ISO CANDELA DIAGRAM



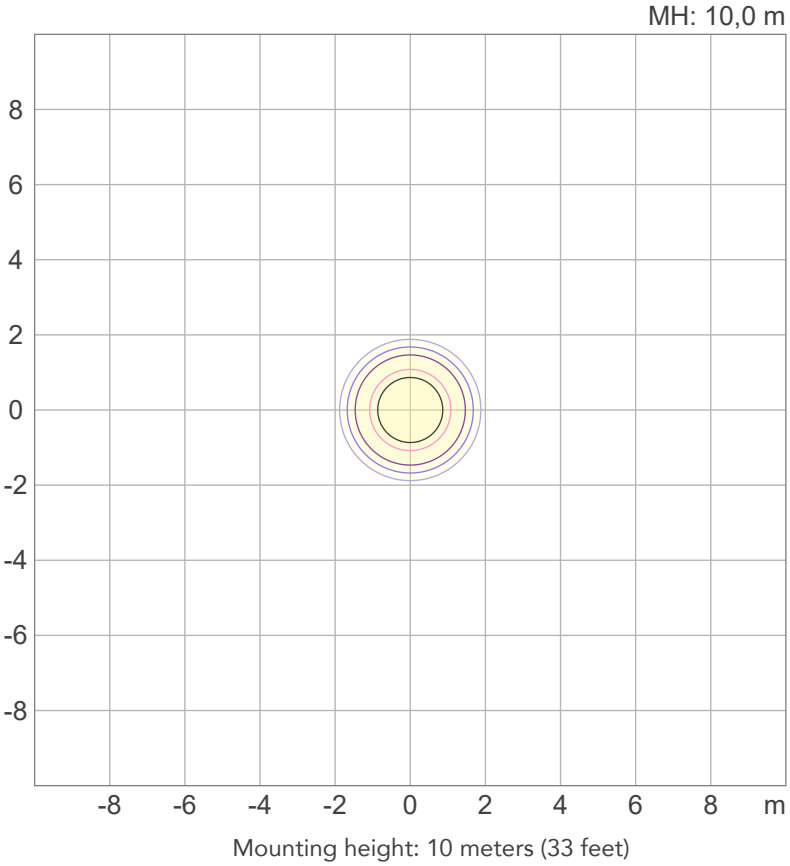
10%	852 cd
20%	1704 cd
30%	2555 cd
40%	3407 cd
50%	4259 cd
60%	5111 cd
70%	5963 cd
80%	6815 cd

Conditions:

Number of c-planes: 2

Candela at center: 8518 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,56 lx
5%	4,26 lx
10%	8,52 lx
30%	25,6 lx
50%	42,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 85,2 lx

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

Total lumen output:

1151 lm

Peak candela output:

1656 cd

PRODUCT NAME:

ECLFRCTPS

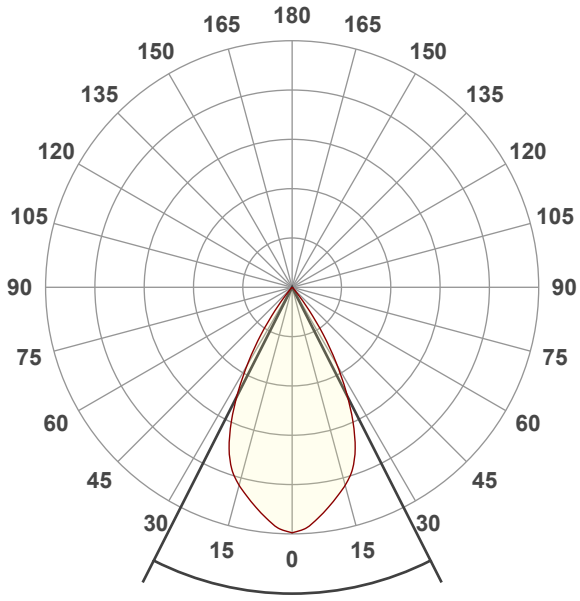
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Green - **HQ**

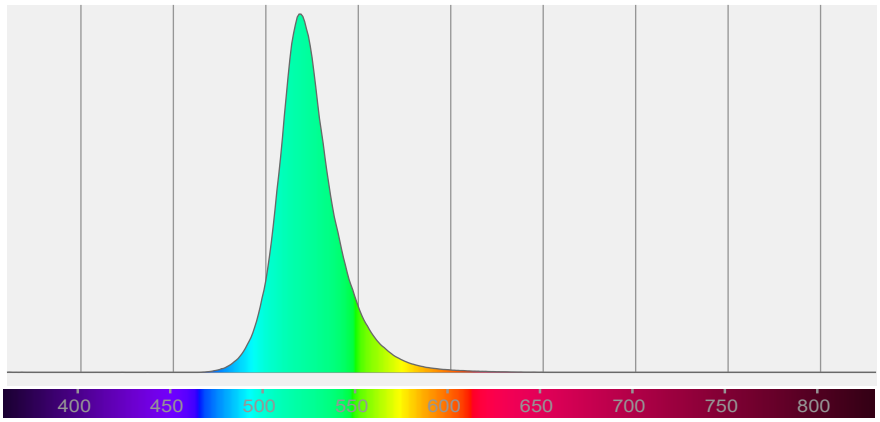
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:06:44



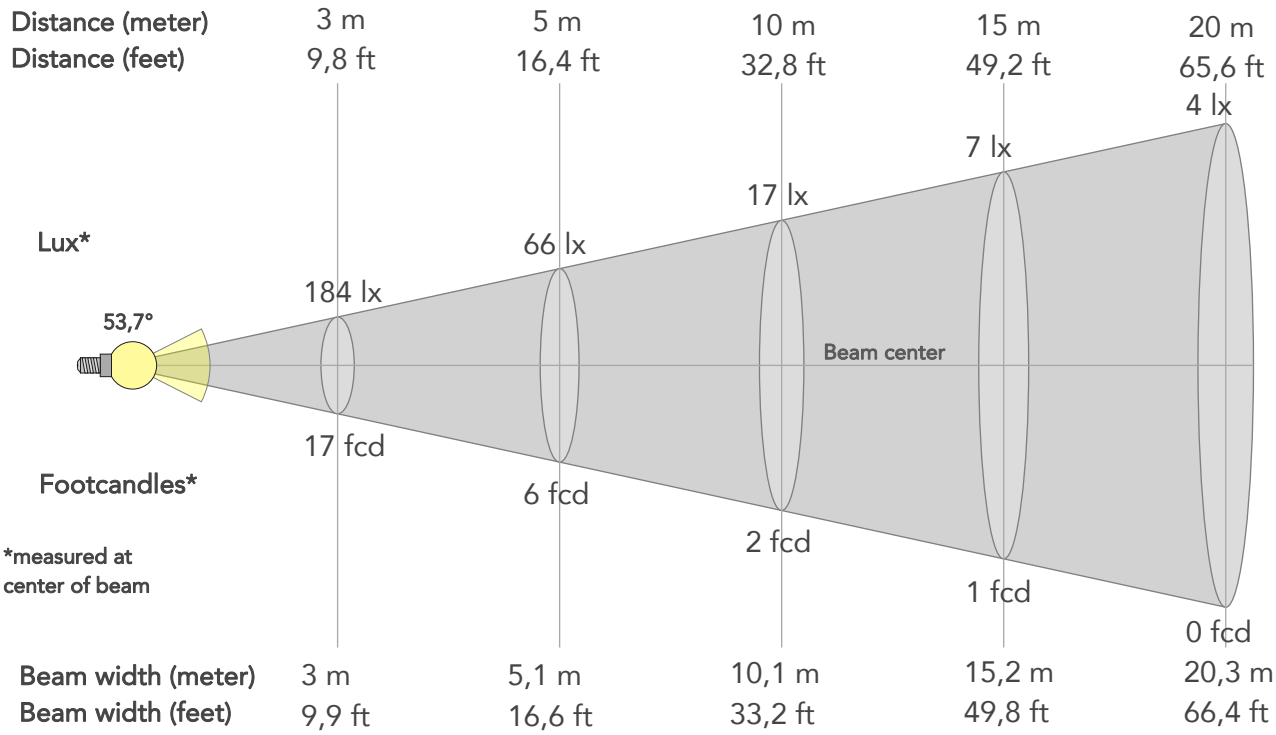
Beam angle 50%: 53,7°
Field angle 10%: 74,1°
Cut off angle 2.5%: 81,5°

Spectra



BEAM DETAILS

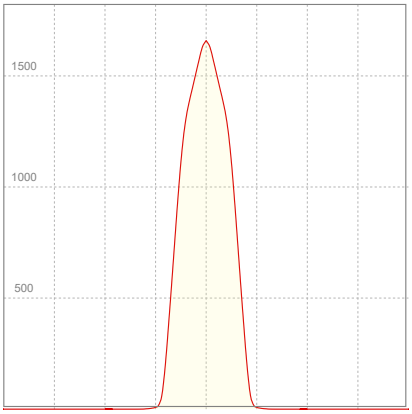
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53,7°	74,1°	81,5°	100,0%	99,7%



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	1656lx	414lx	184lx	104lx	66lx	29lx	17lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	154fcd	38fcd	17fcd	10fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	3m	4,1m	5,1m	7,6m	10,1m	15,2m	20,3m	25,3m	30,4m	40,5m	50,6m
Beam wid.	3,3ft	6,7ft	9,9ft	13,3ft	16,6ft	24,9ft	33,2ft	49,8ft	66,4ft	83,1ft	99,7ft	132,9ft	166,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,216A	44,4W	26lm/W

Power FC
0,9

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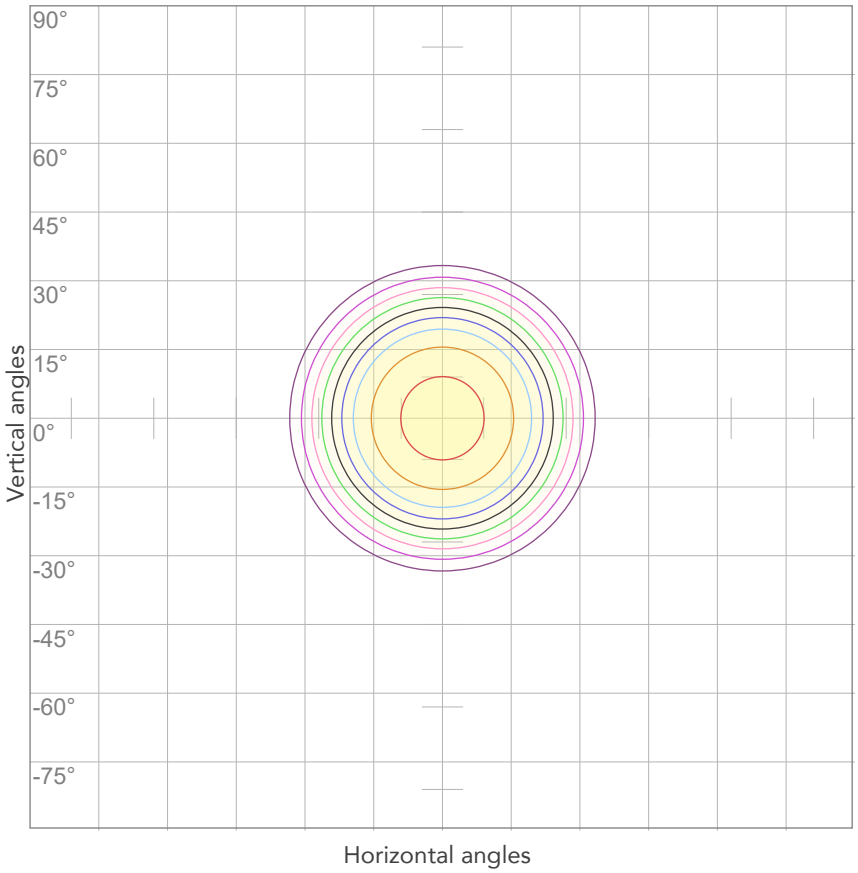
ISO DIAGRAMS

ISO CANDELA DIAGRAM



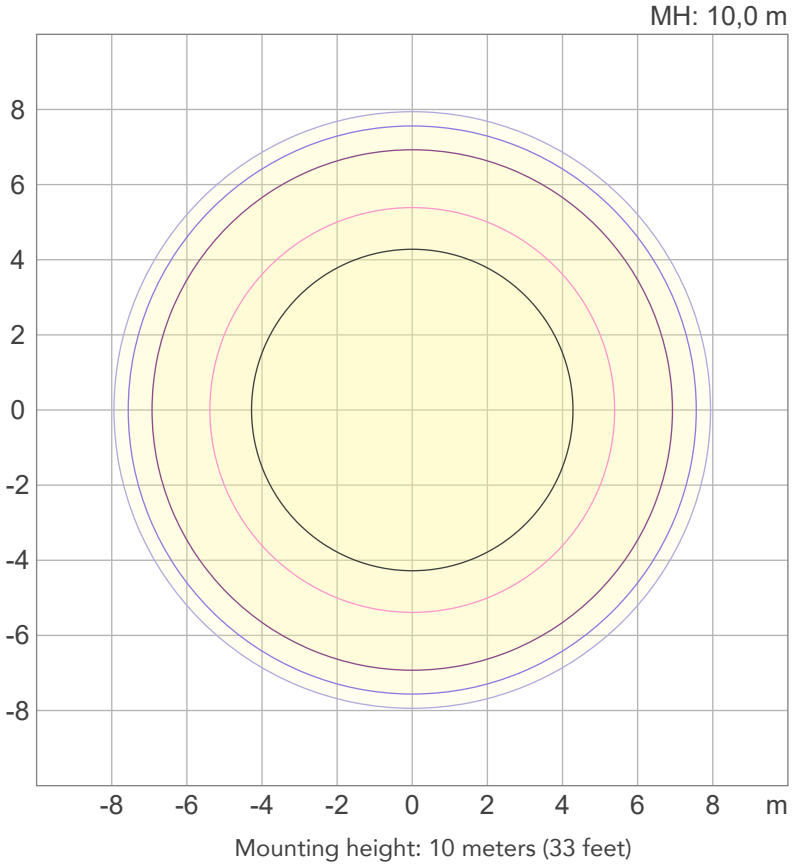
10%	166 cd
20%	331 cd
30%	497 cd
40%	662 cd
50%	828 cd
60%	994 cd
70%	1159 cd
80%	1325 cd

Conditions:

Number of c-planes: 2

Candela at center: 1656 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,497 lx
5%	0,828 lx
10%	1,66 lx
30%	4,97 lx
50%	8,28 lx

Conditions:

Number of c-planes: 2

Lux at center: 16,6 lx

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

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Total lumen output:

832 lm

Peak candela output:

5727 cd

PRODUCT NAME:

ECLFRCTPS

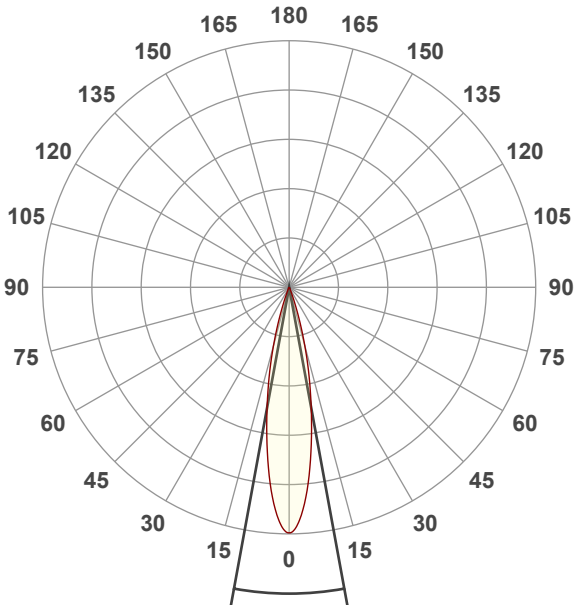
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Green - **HQ**

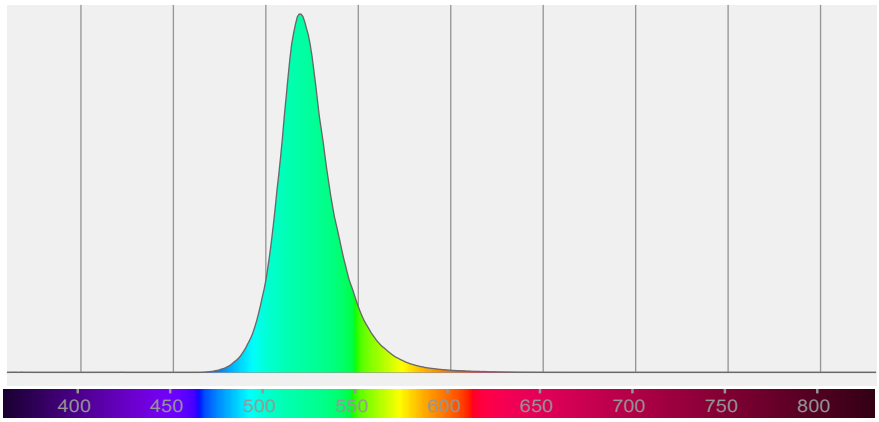
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:29:42



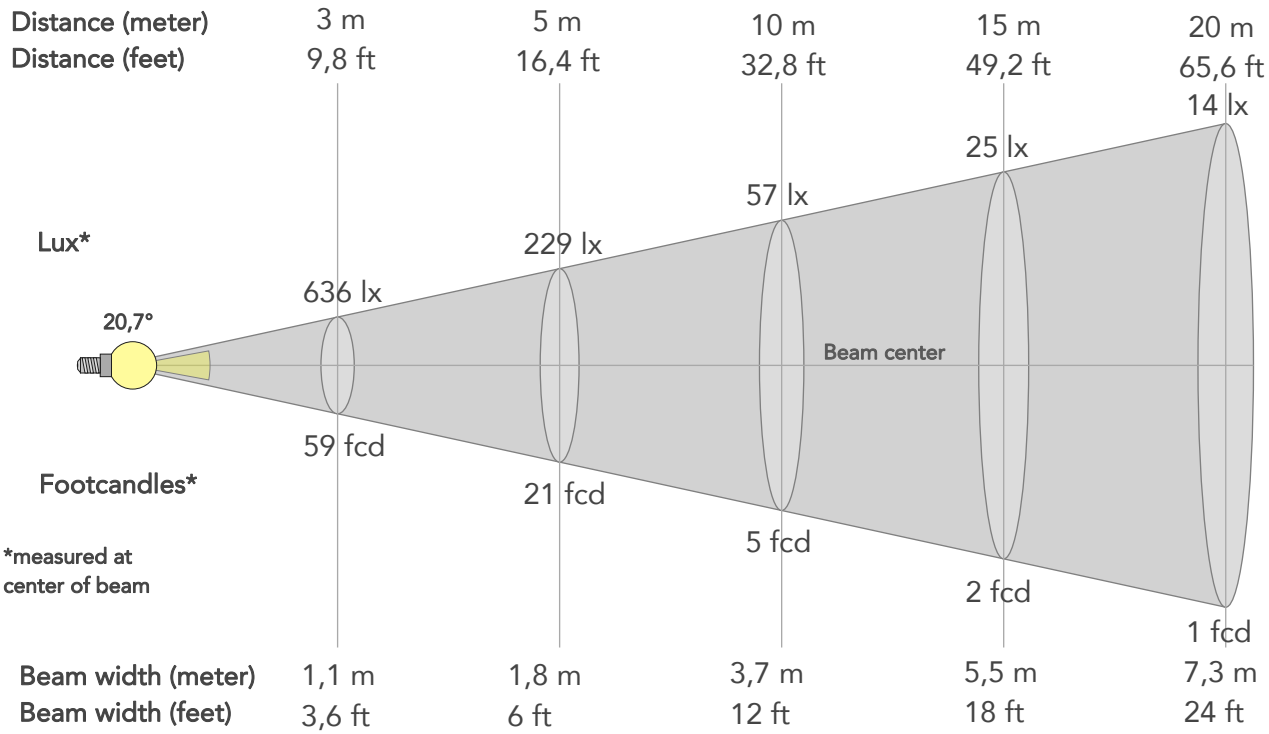
Beam angle 50%: 20,7°
Field angle 10%: 36,9°
Cut off angle 2.5%: 44,6°

Spectra



BEAM DETAILS

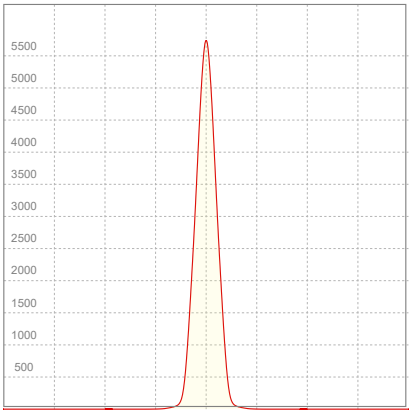
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,7°	36,9°	44,6°	100,0%	100,0%



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	5727lx	1432lx	636lx	358lx	229lx	102lx	57lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	532fcd	133fcd	59fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,7m	5,5m	7,3m	9,2m	11m	14,6m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18ft	24ft	30ft	36ft	48ft	60ft

LINEAR DISTRIBUTION DIAGRAM



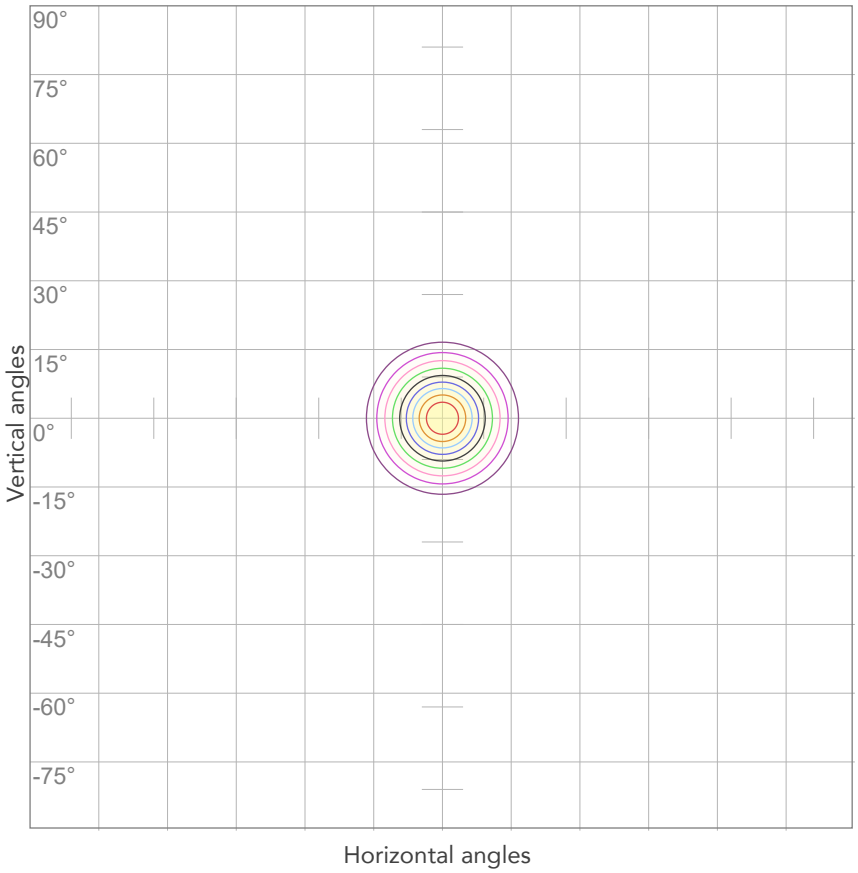
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,215A	44,4W	19lm/W

Power FC
0,91

ISO DIAGRAMS

ISO CANDELA DIAGRAM



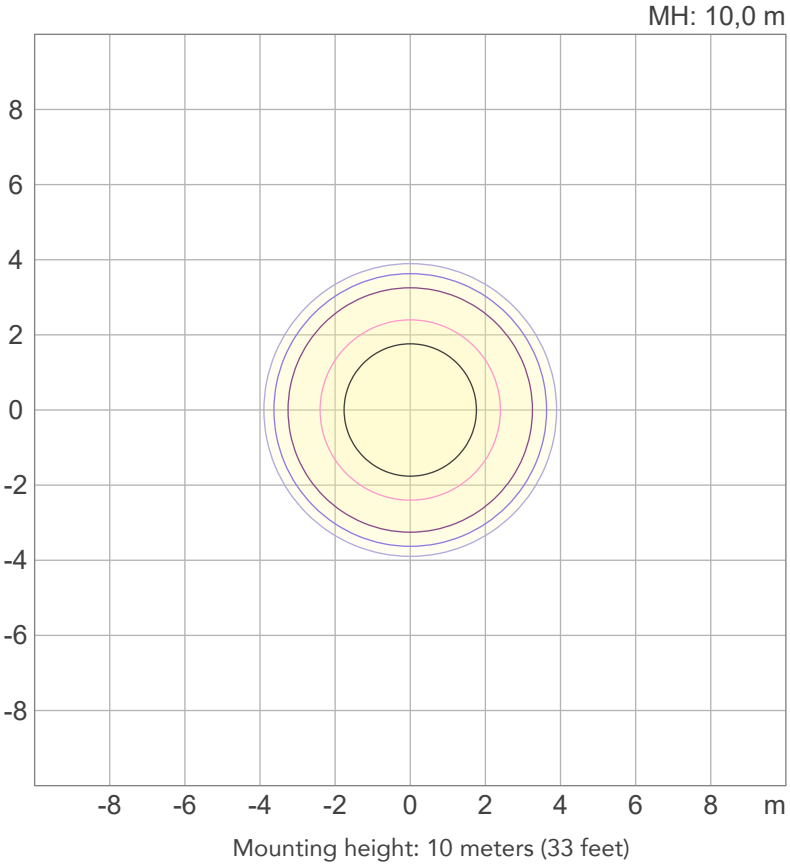
10%	573 cd
20%	1145 cd
30%	1718 cd
40%	2291 cd
50%	2864 cd
60%	3436 cd
70%	4009 cd
80%	4582 cd

Conditions:

Number of c-planes: 2

Candela at center: 5727 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,72 lx
5%	2,86 lx
10%	5,73 lx
30%	17,2 lx
50%	28,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 57,3 lx

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

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Total lumen output:

455 lm

Peak candela output:

13122 cd

PRODUCT NAME:

ECLFRCTPS

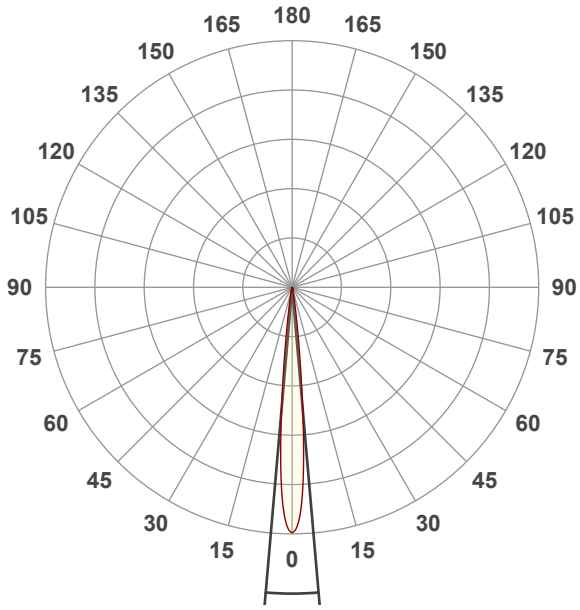
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Green - **HQ**

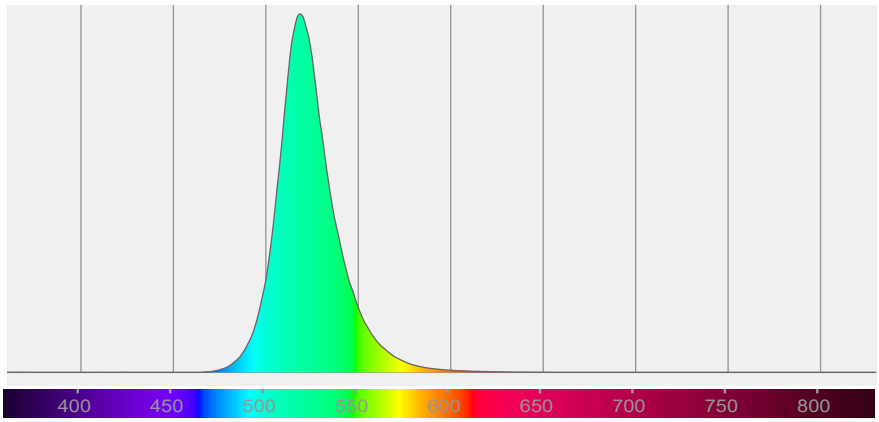
Operator:
Salvatore Giglio

Date and time:
18/09/2023 10:49:38



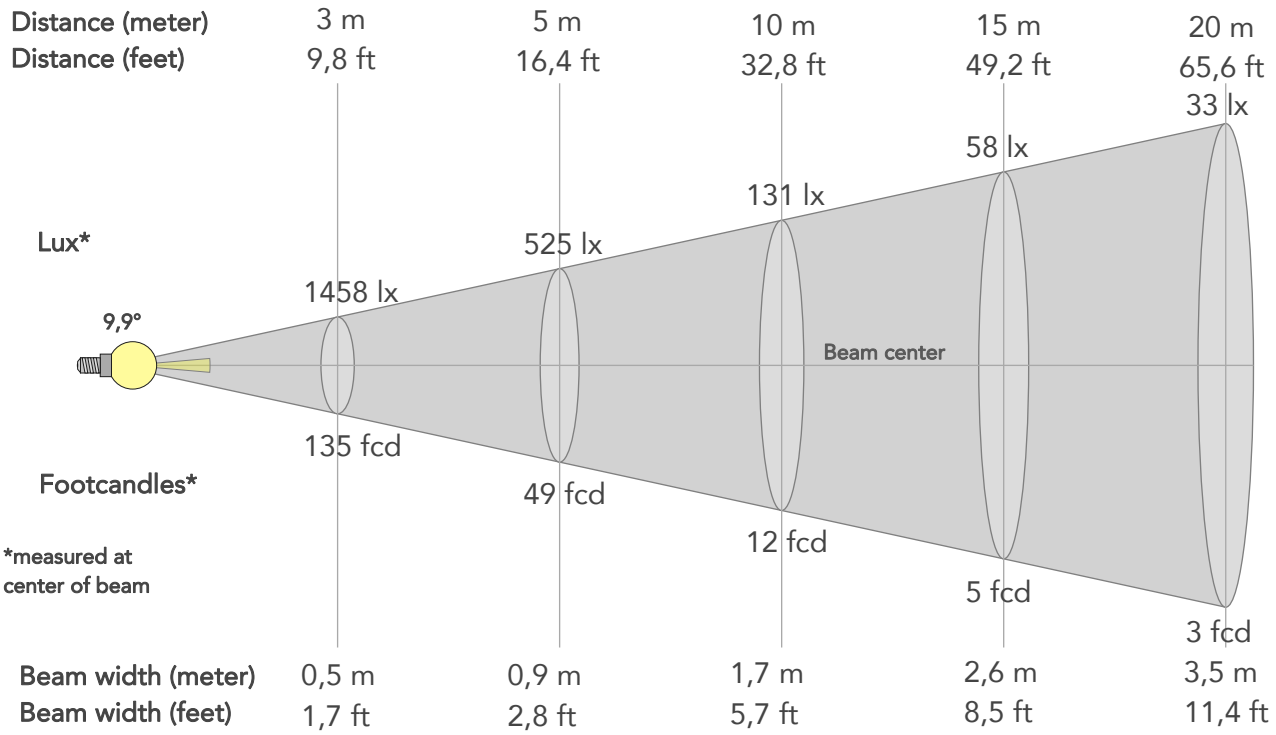
Beam angle 50%: 9,9°
Field angle 10%: 16,9°
Cut off angle 2.5%: 23,1°

Spectra



BEAM DETAILS

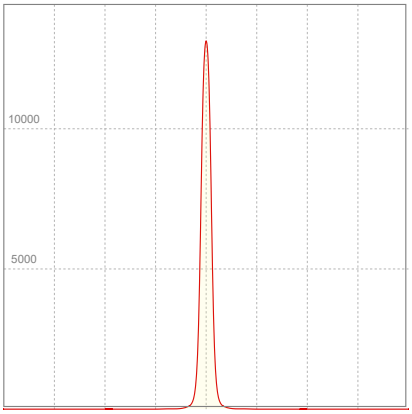
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	16,9°	23,1°	100,0%	100,0%



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	13122lx	3280lx	1458lx	820lx	525lx	233lx	131lx	58lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1219fcd	305fcd	135fcd	76fcd	49fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17ft	22,7ft	28,4ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,216A	44,4W	10lm/W

Power FC
0,9

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Via A. Olivetti snc
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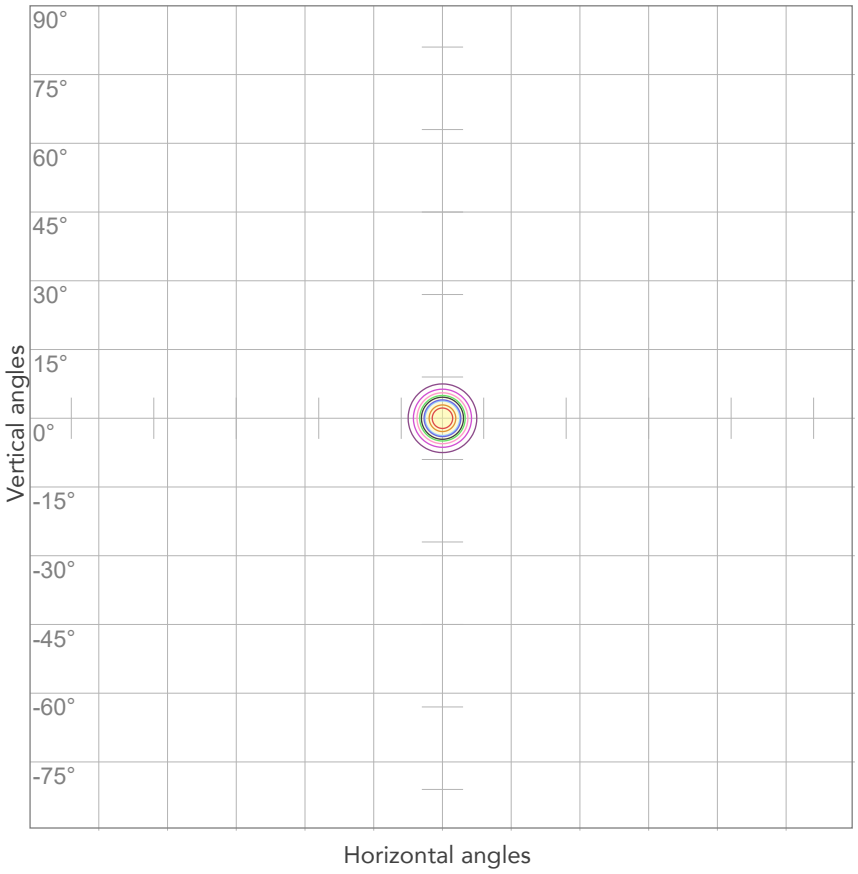
info@prolights.it

ISO DIAGRAMS

ISO CANDELA DIAGRAM



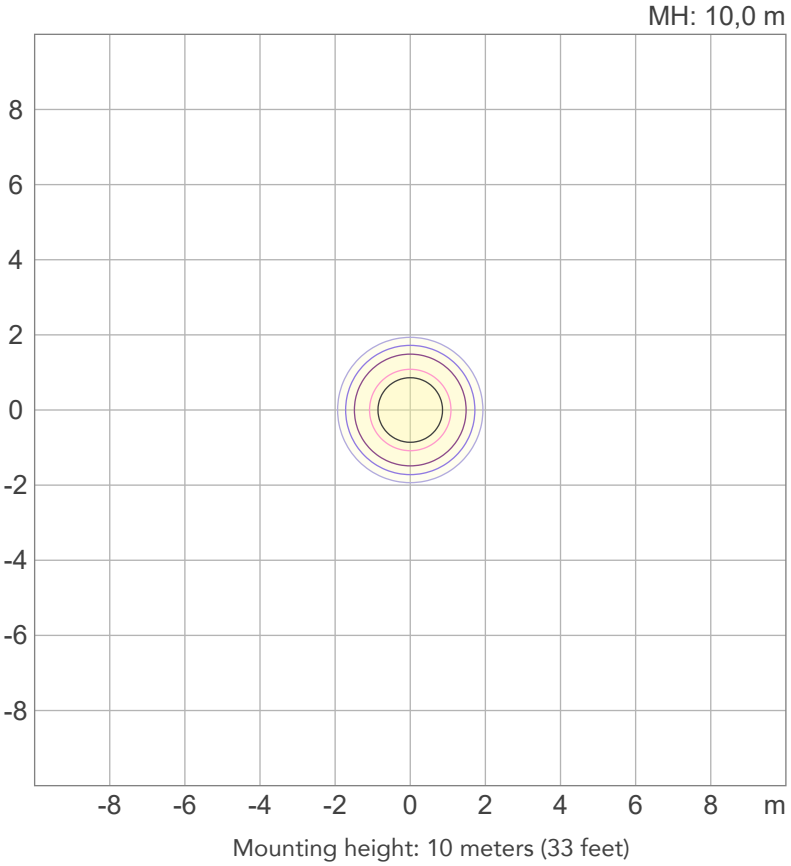
10%	1312 cd
20%	2624 cd
30%	3937 cd
40%	5249 cd
50%	6561 cd
60%	7873 cd
70%	9185 cd
80%	10498 cd

Conditions:

Number of c-planes: 2

Candela at center: 13122 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,94 lx
5%	6,56 lx
10%	13,1 lx
30%	39,4 lx
50%	65,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 131 lx

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

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info@prolights.it

Total lumen output:

196 lm

Peak candela output:

297 cd

PRODUCT NAME:

ECLFRCTPS

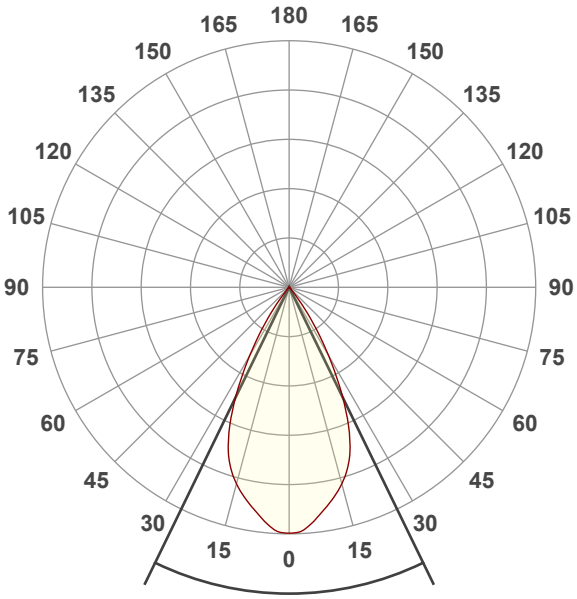
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Blue - **HQ**

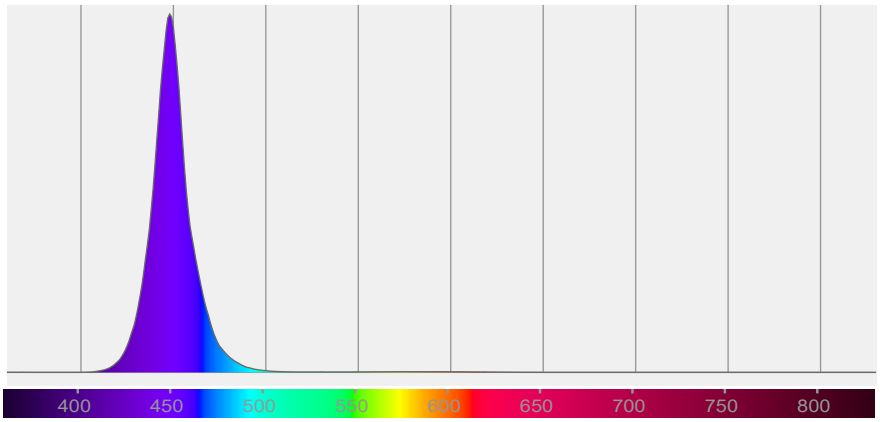
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:08:04



Beam angle 50%: 51,9°
Field angle 10%: 72,7°
Cut off angle 2.5%: 80,6°

Spectra



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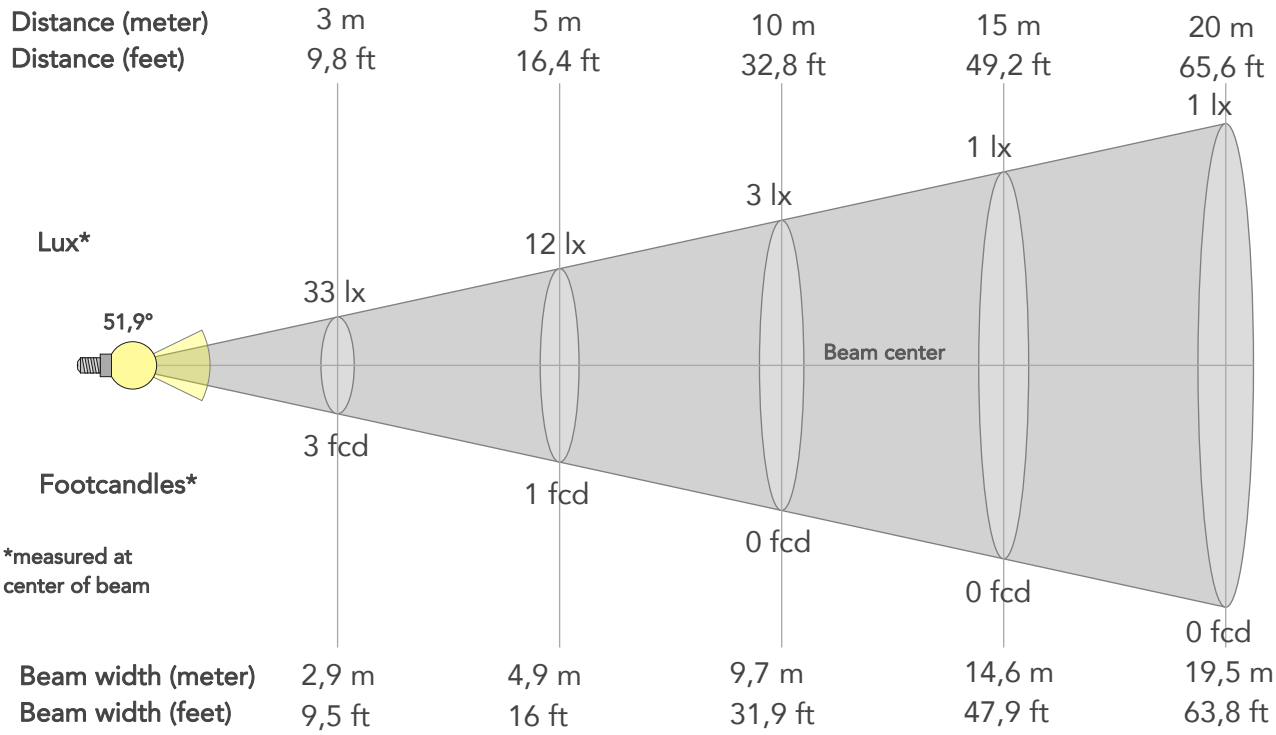
BEAM DETAILS

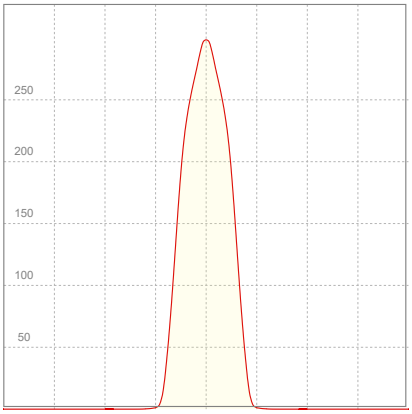
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
51,9°	72,7°	80,6°	100,0%	99,7%



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	297lx	74lx	33lx	19lx	12lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	28fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	1,9m	2,9m	3,9m	4,9m	7,3m	9,7m	14,6m	19,5m	24,3m	29,2m	38,9m	48,6m
Beam wid.	3,2ft	6,4ft	9,5ft	12,7ft	16ft	23,9ft	31,9ft	47,9ft	63,8ft	79,8ft	95,7ft	127,7ft	159,6ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,220A	45,7W	4lm/W

Power FC
0,91

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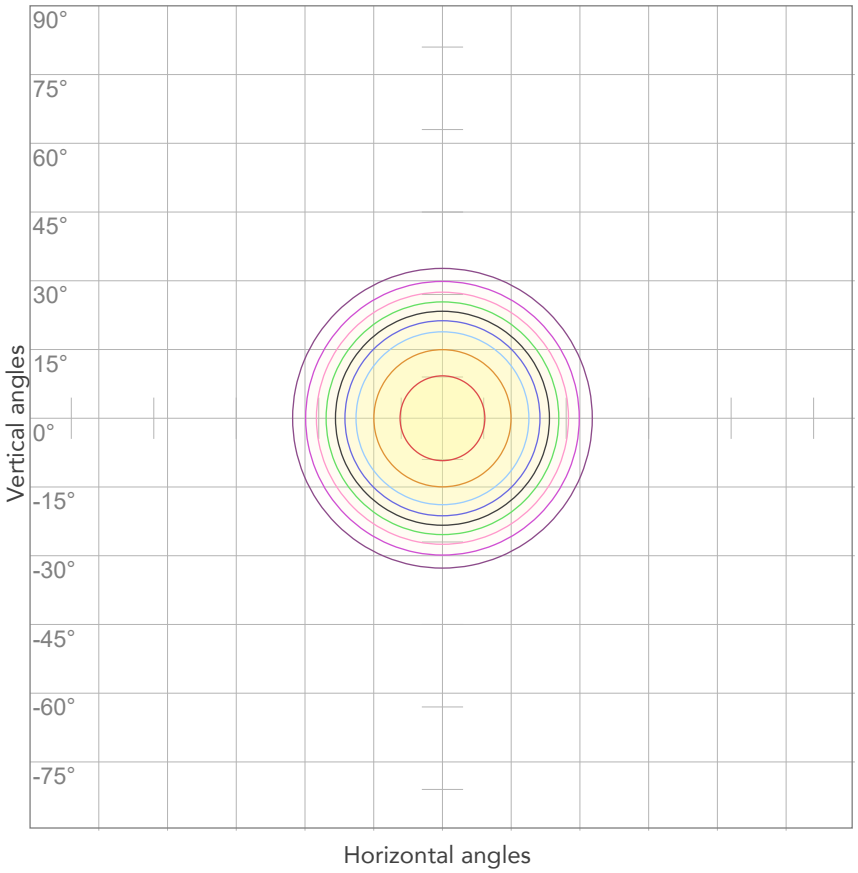
ISO DIAGRAMS

ISO CANDELA DIAGRAM



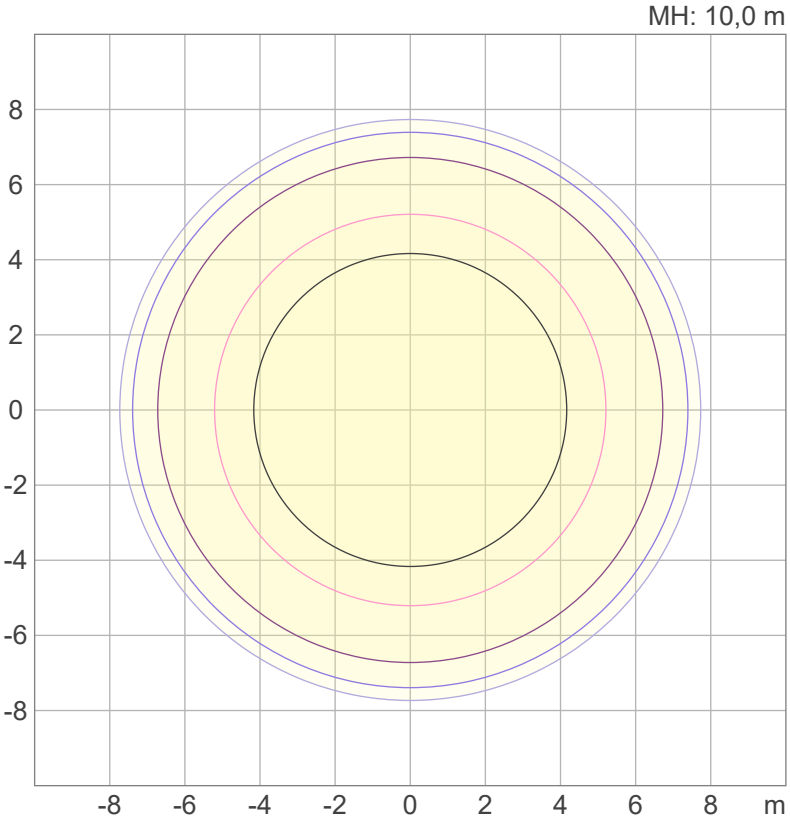
10%	30 cd
20%	59 cd
30%	89 cd
40%	119 cd
50%	149 cd
60%	178 cd
70%	208 cd
80%	238 cd

Conditions:

Number of c-planes: 2

Candela at center: 297 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	89,2m lx
5%	0,149 lx
10%	0,297 lx
30%	0,892 lx
50%	1,49 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,97 lx

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

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Total lumen output:

140 lm

Peak candela output:

1038 cd

PRODUCT NAME:

ECLFRCTPS

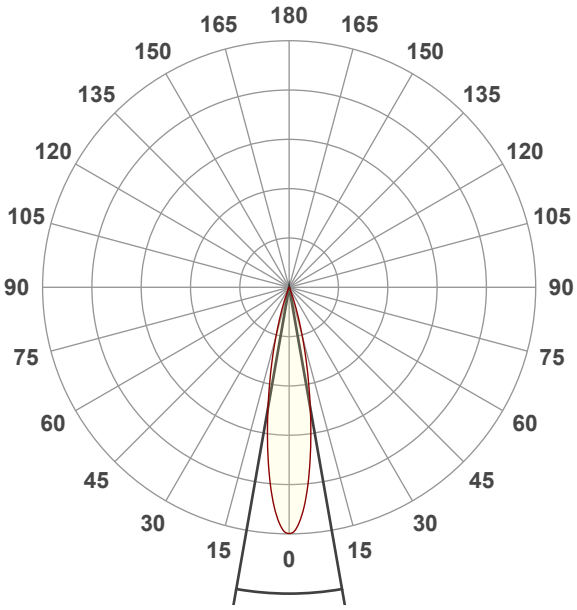
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Blue - **HQ**

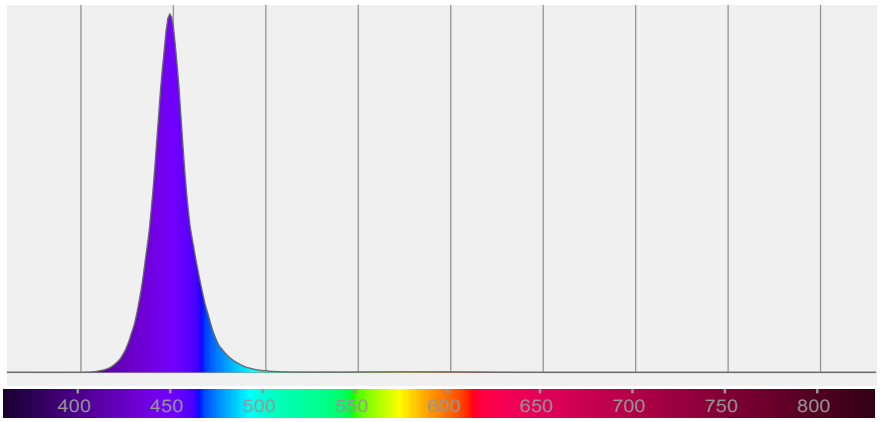
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:31:12



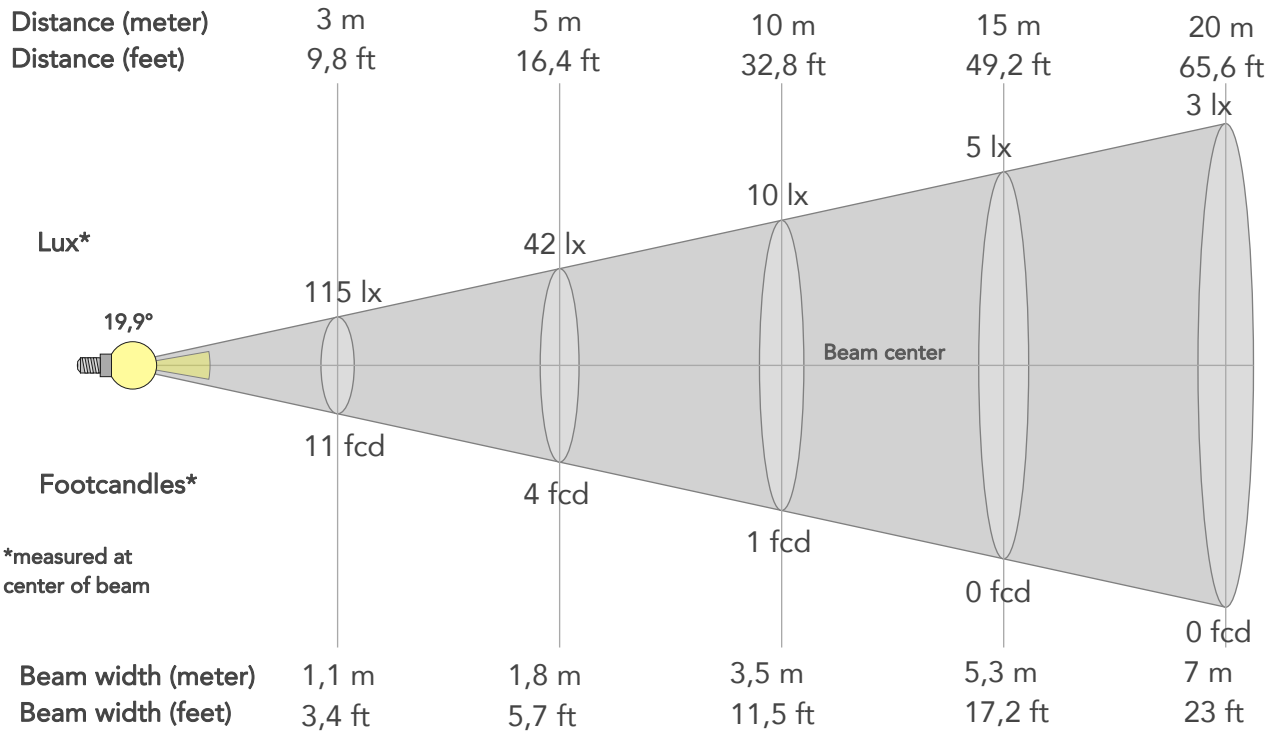
Beam angle 50%: 19,9°
Field angle 10%: 35,7°
Cut off angle 2.5%: 43,5°

Spectra



BEAM DETAILS

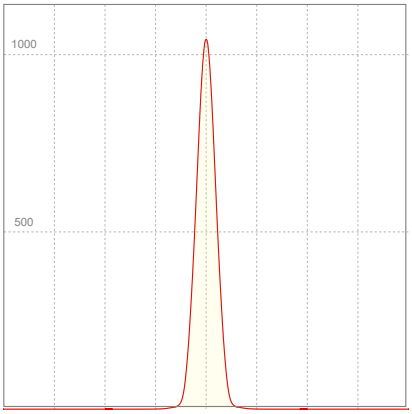
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
19,9°	35,7°	43,5°	100,0%	99,9%



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	1038lx	259lx	115lx	65lx	42lx	18lx	10lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	96fcd	24fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,6m	3,5m	5,3m	7m	8,8m	10,5m	14m	17,5m
Beam wid.	1,2ft	2,3ft	3,4ft	4,6ft	5,7ft	8,6ft	11,5ft	17,2ft	23ft	28,7ft	34,5ft	46ft	57,5ft

LINEAR DISTRIBUTION DIAGRAM



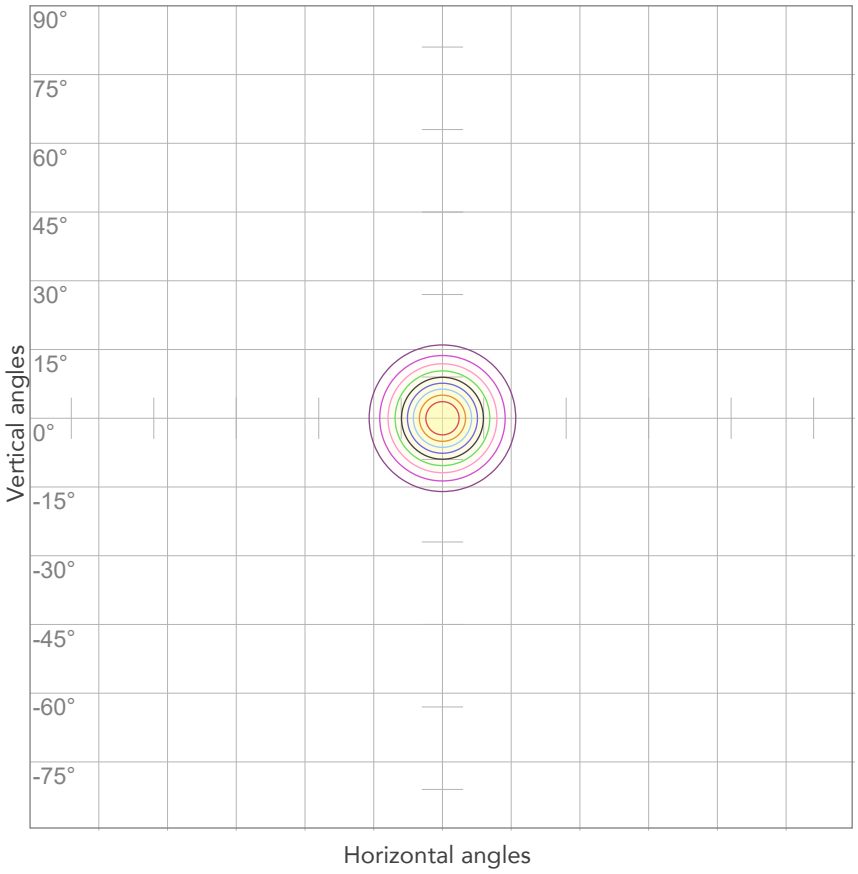
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,221A	45,6W	3lm/W

Power FC
0,91

ISO DIAGRAMS

ISO CANDELA DIAGRAM



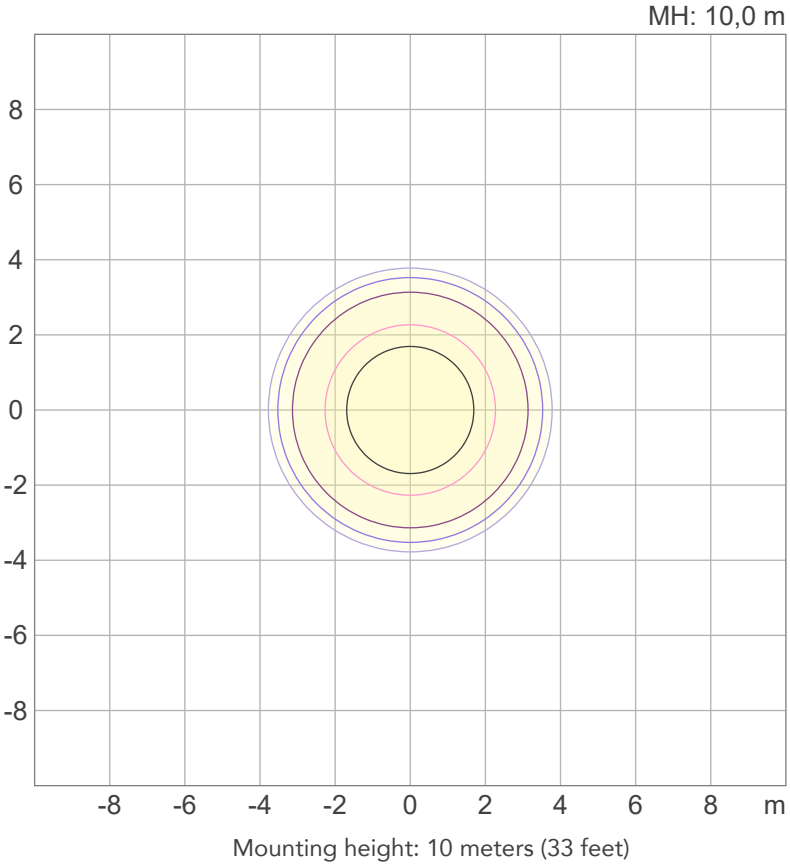
10%	104 cd
20%	208 cd
30%	311 cd
40%	415 cd
50%	519 cd
60%	623 cd
70%	726 cd
80%	830 cd

Conditions:

Number of c-planes: 2

Candela at center: 1038 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,311 lx
5%	0,519 lx
10%	1,04 lx
30%	3,11 lx
50%	5,19 lx

Conditions:

Number of c-planes: 2

Lux at center: 10,4 lx

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

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info@prolights.it

Total lumen output:

77,2 lm

Peak candela output:

2326 cd

PRODUCT NAME:

ECLFRCTPS

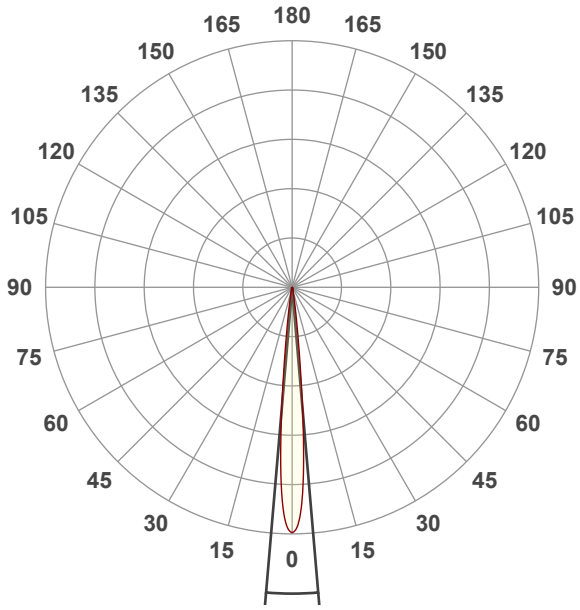
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Blue - **HQ**

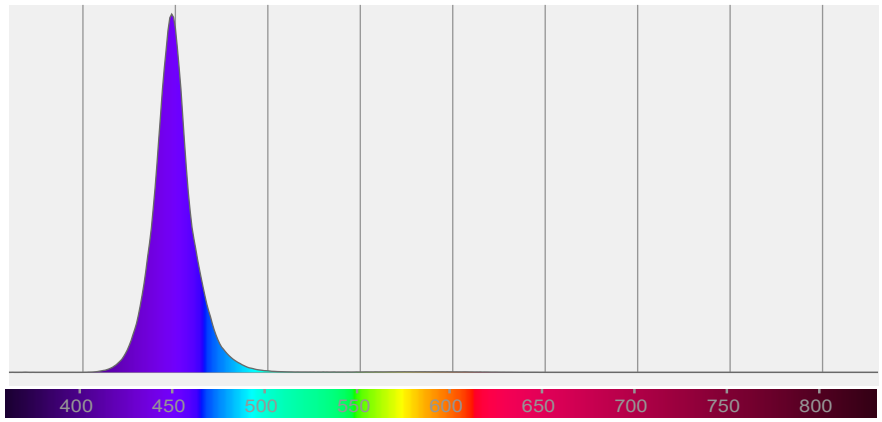
Operator:
Salvatore Giglio

Date and time:
18/09/2023 10:48:21



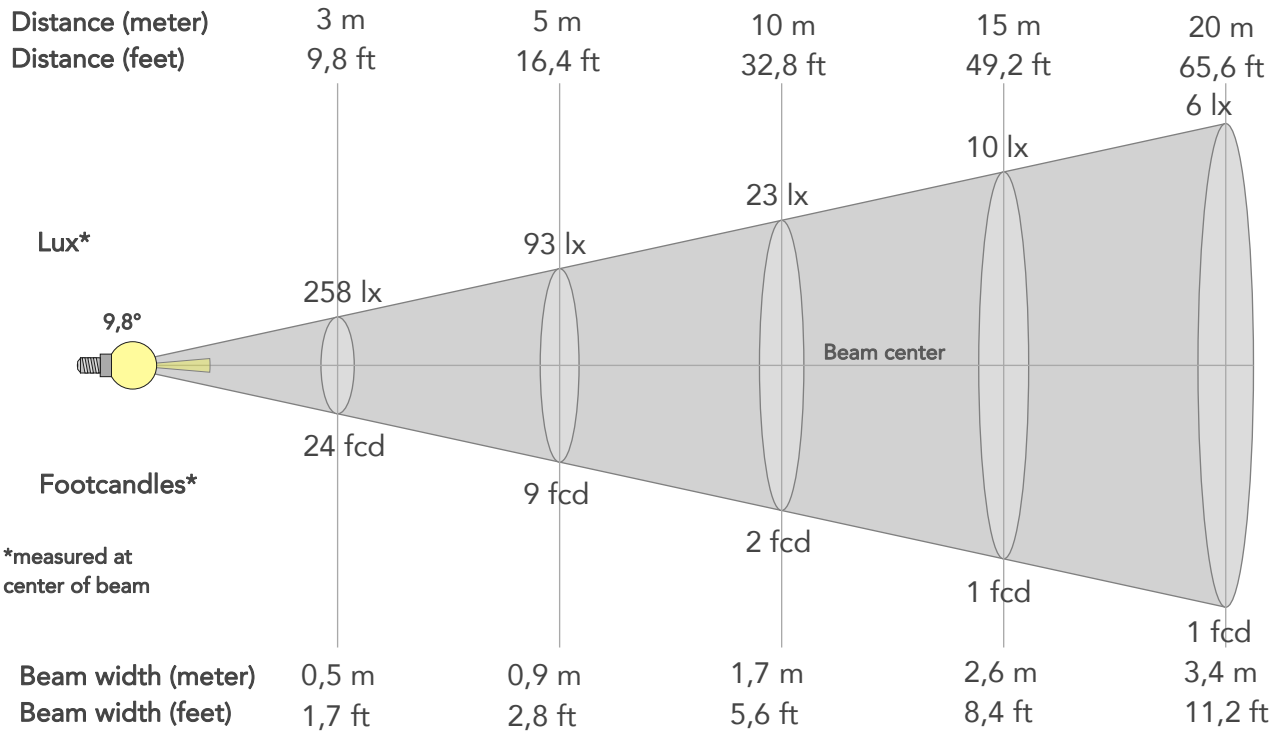
Beam angle 50%: 9,8°
Field angle 10%: 16,4°
Cut off angle 2.5%: 22,4°

Spectra



BEAM DETAILS

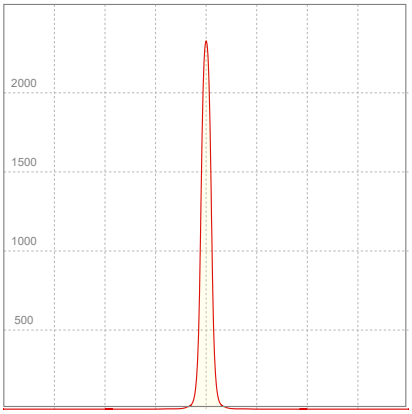
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	16,4°	22,4°	100,0%	99,9%



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	2326lx	582lx	258lx	145lx	93lx	41lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	216fcd	54fcd	24fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,8m	8,5m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14ft	16,8ft	22,4ft	28ft

LINEAR DISTRIBUTION DIAGRAM



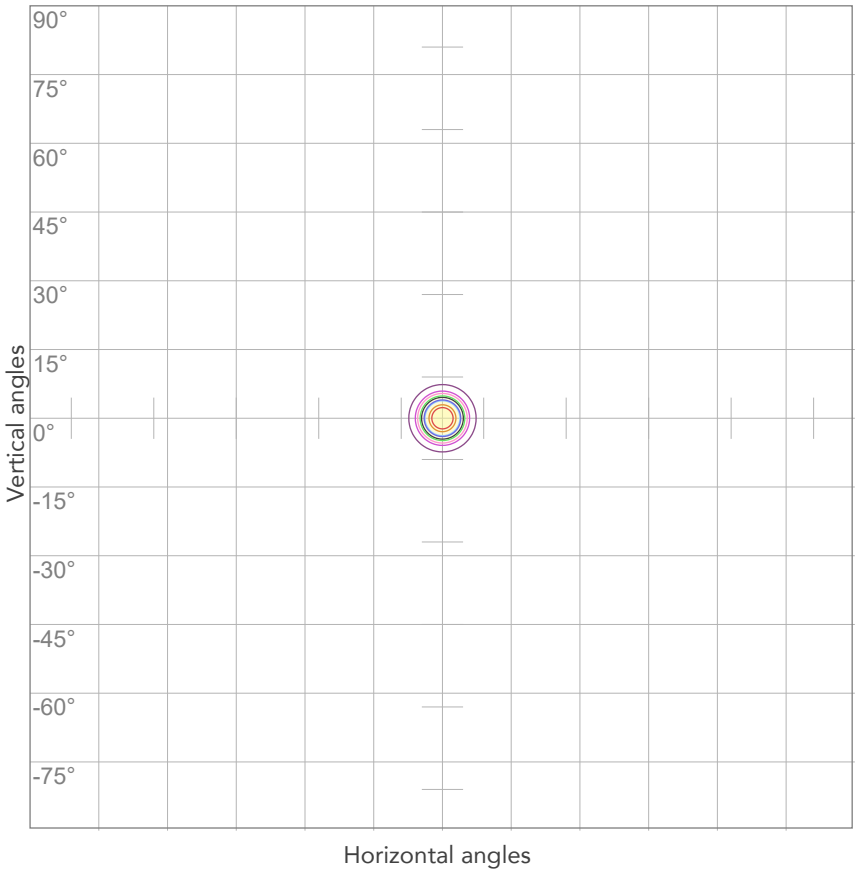
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,221A	45,8W	2lm/W

Power FC
0,91

ISO DIAGRAMS

ISO CANDELA DIAGRAM



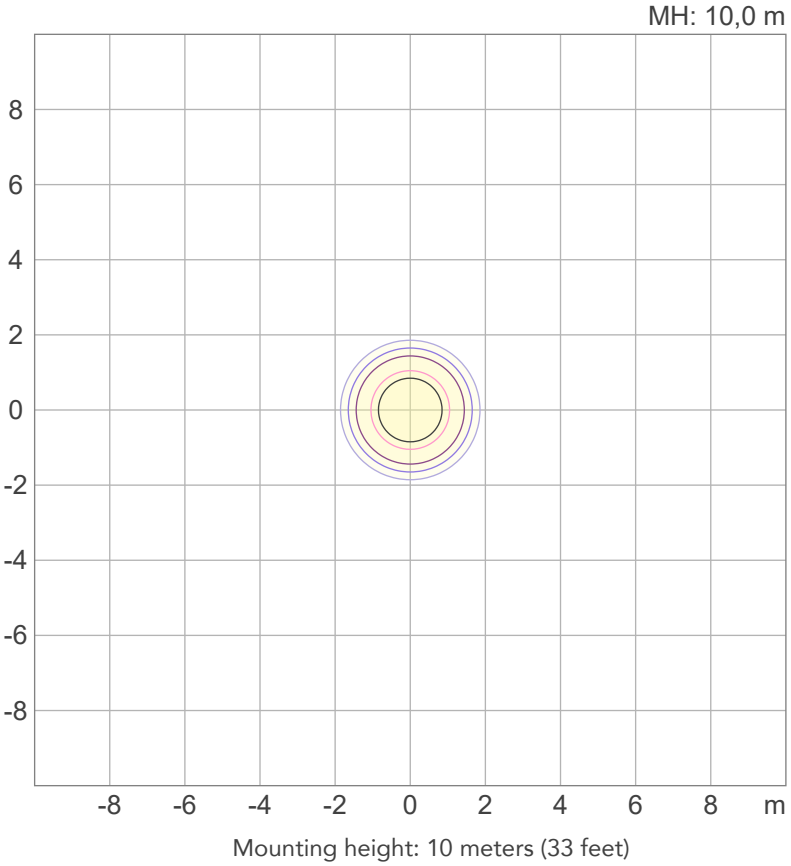
10%	233 cd
20%	465 cd
30%	698 cd
40%	930 cd
50%	1163 cd
60%	1396 cd
70%	1628 cd
80%	1861 cd

Conditions:

Number of c-planes: 2

Candela at center: 2326 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,698 lx
5%	1,16 lx
10%	2,33 lx
30%	6,98 lx
50%	11,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 23,3 lx

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

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info@prolights.it

Total lumen output:

175 lm

Peak candela output:

259 cd

PRODUCT NAME:

ECLFRCTPS

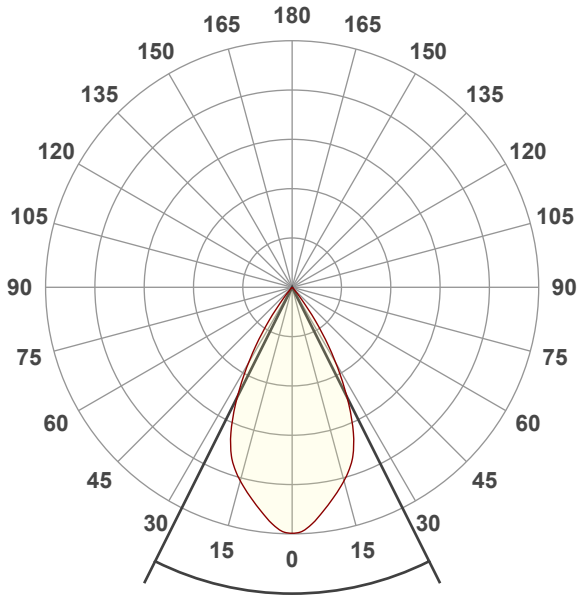
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Cyan - **HQ**

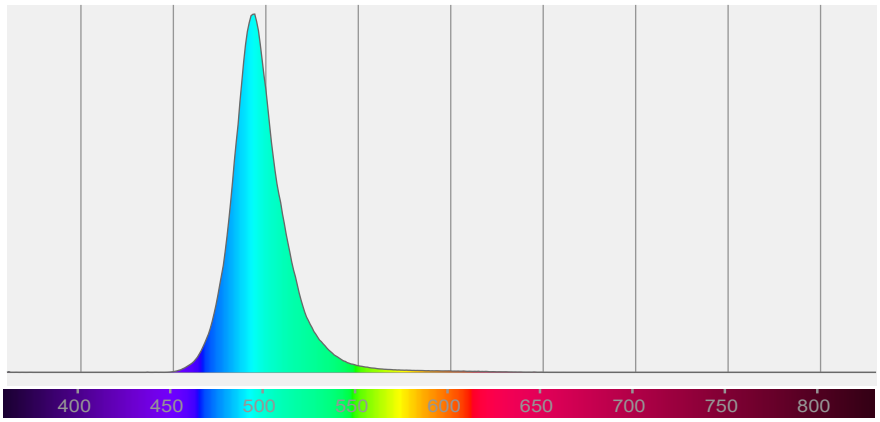
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:09:28



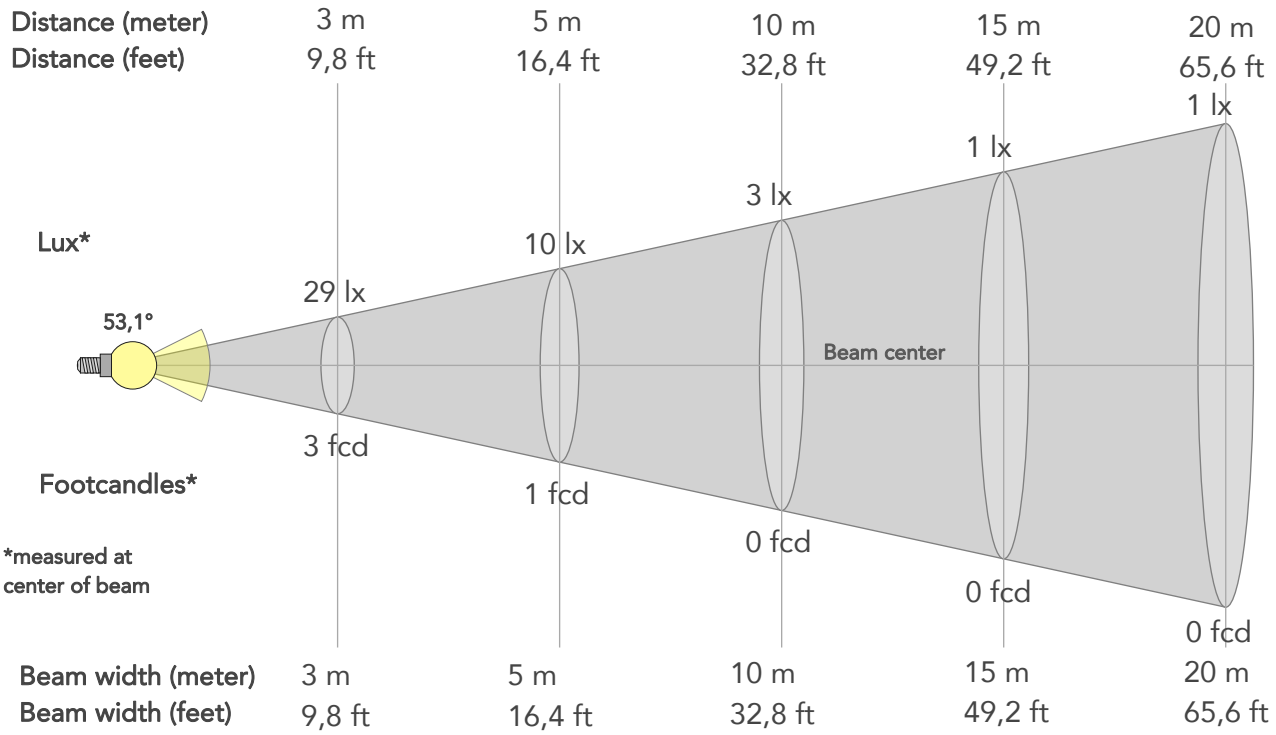
Beam angle 50%: 53,1°
Field angle 10%: 73,5°
Cut off angle 2.5%: 80,5°

Spectra



BEAM DETAILS

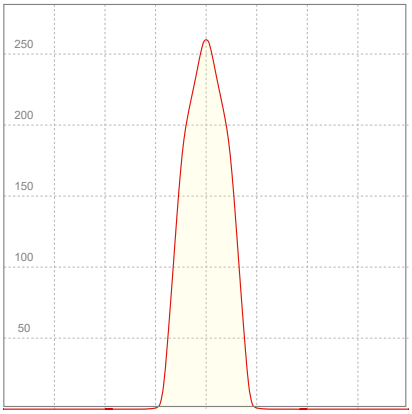
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53,1°	73,5°	80,5°	100,0%	99,8%



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	259lx	65lx	29lx	16lx	10lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	24fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Beam wid.	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,123A	16,5W	11lm/W

Power FC
0,59

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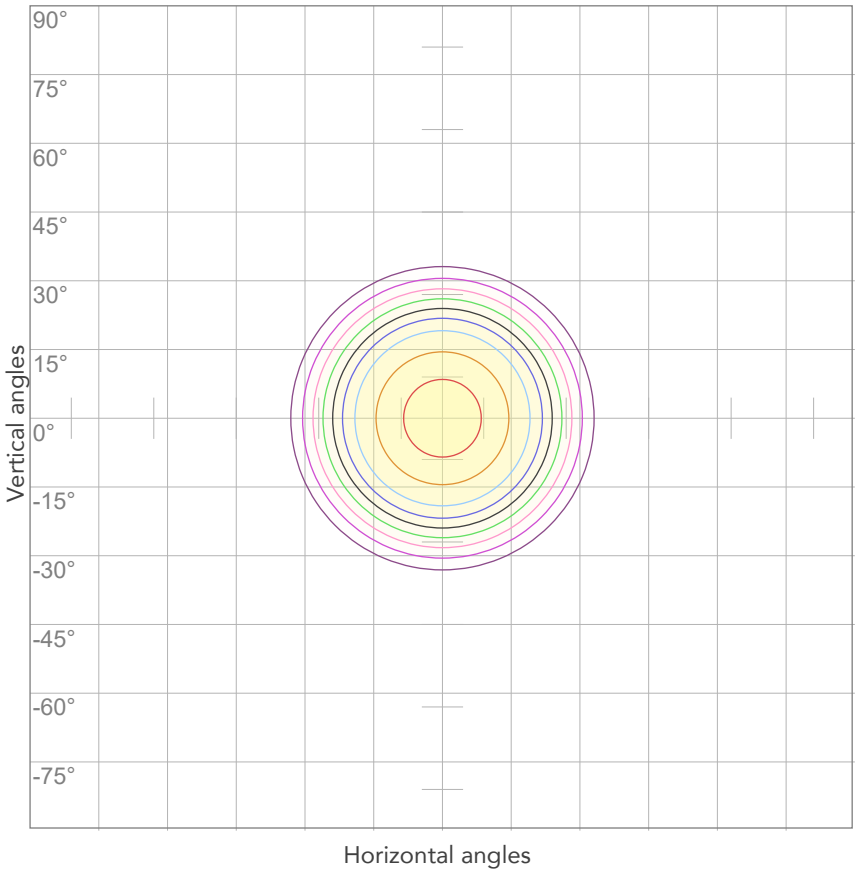
ISO DIAGRAMS

ISO CANDELA DIAGRAM



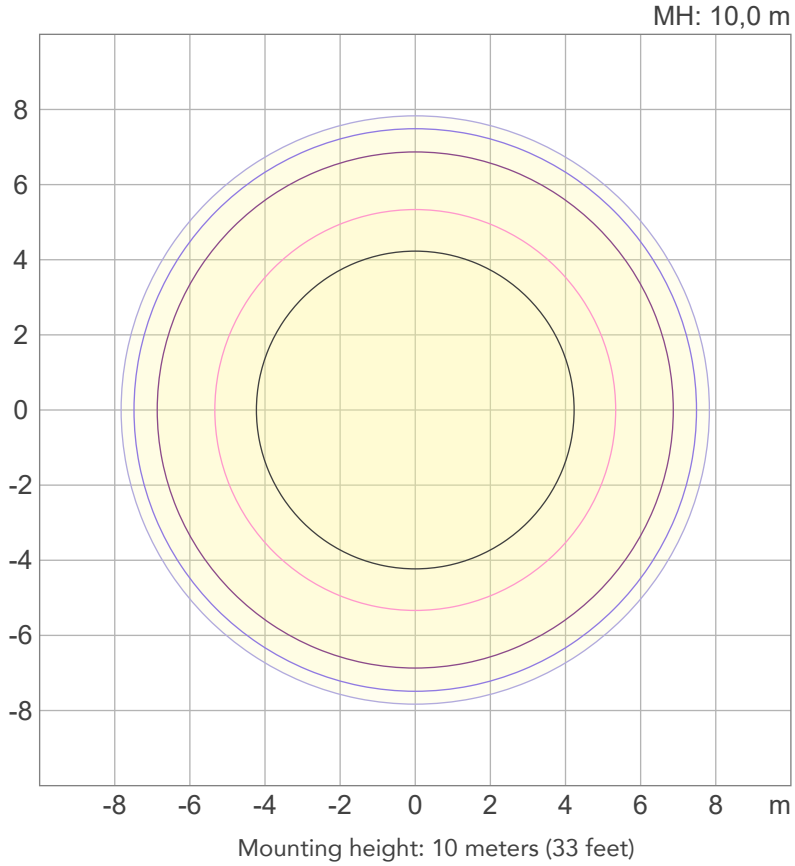
10%	26 cd
20%	52 cd
30%	78 cd
40%	104 cd
50%	130 cd
60%	155 cd
70%	181 cd
80%	207 cd

Conditions:

Number of c-planes: 2

Candela at center: 259 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	77,7m lx
5%	0,130 lx
10%	0,259 lx
30%	0,777 lx
50%	1,30 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,59 lx

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

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Tel: +39 0771 72190

prolights.it
info@prolights.it

Total lumen output:

126 lm

Peak candela output:

887 cd

PRODUCT NAME:

ECLFRCTPS

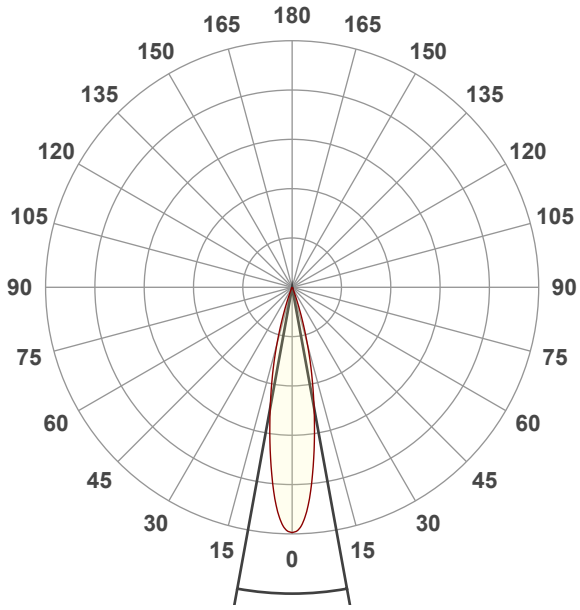
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Cyan - **HQ**

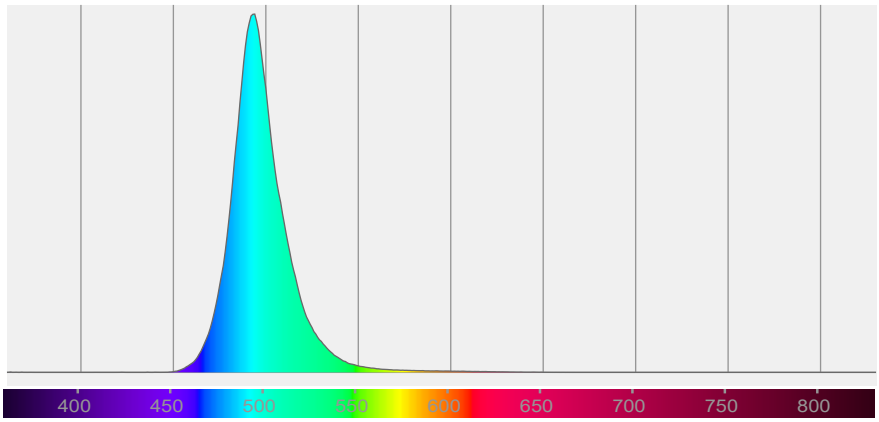
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:32:36



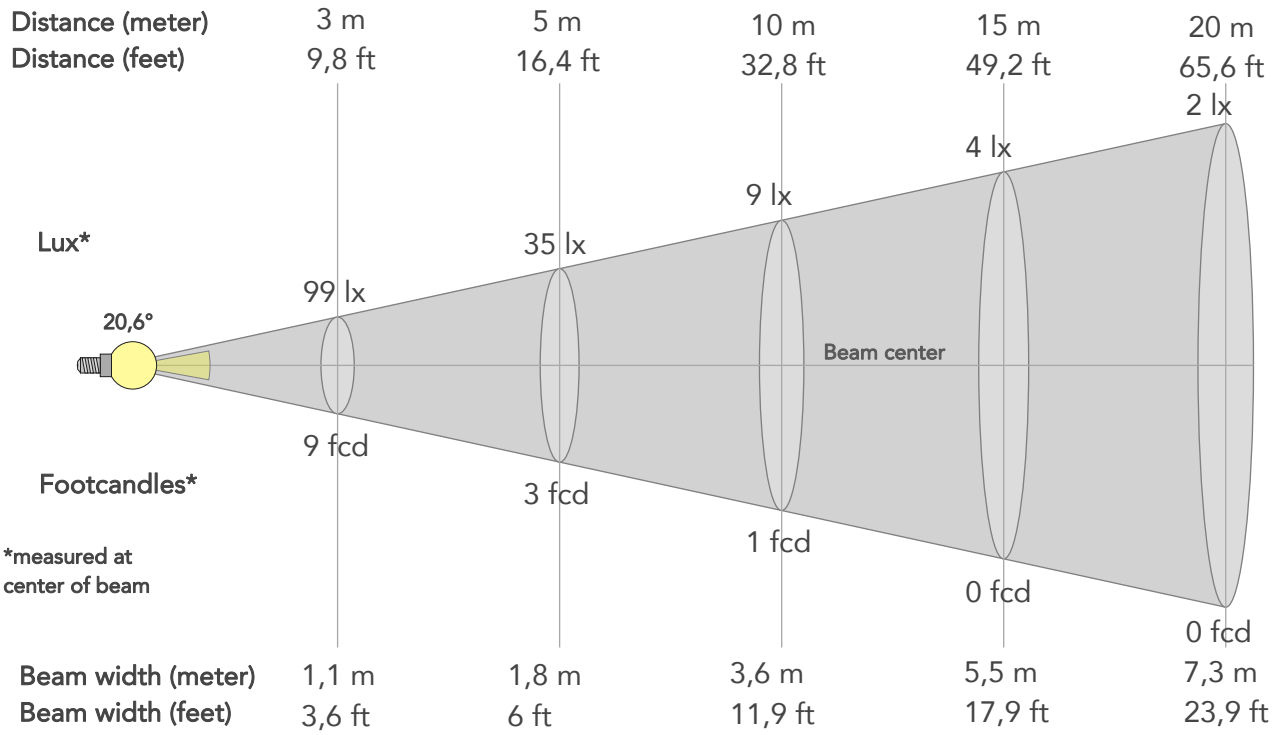
Beam angle 50%: 20,6°
Field angle 10%: 36,6°
Cut off angle 2.5%: 43,9°

Spectra



BEAM DETAILS

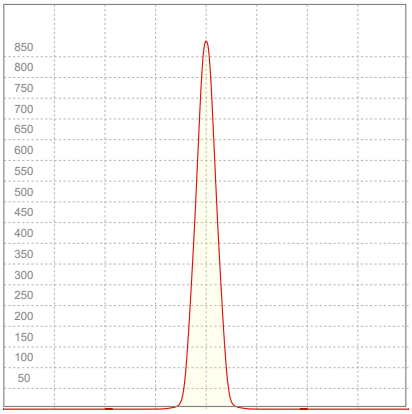
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,6°	36,6°	43,9°	100,0%	100,0%



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	887lx	222lx	99lx	55lx	35lx	16lx	9lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	82fcd	21fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,6m	5,5m	7,3m	9,1m	10,9m	14,6m	18,2m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	11,9ft	17,9ft	23,9ft	29,8ft	35,8ft	47,7ft	59,7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,126A	17,3W	7lm/W

Power FC
0,6

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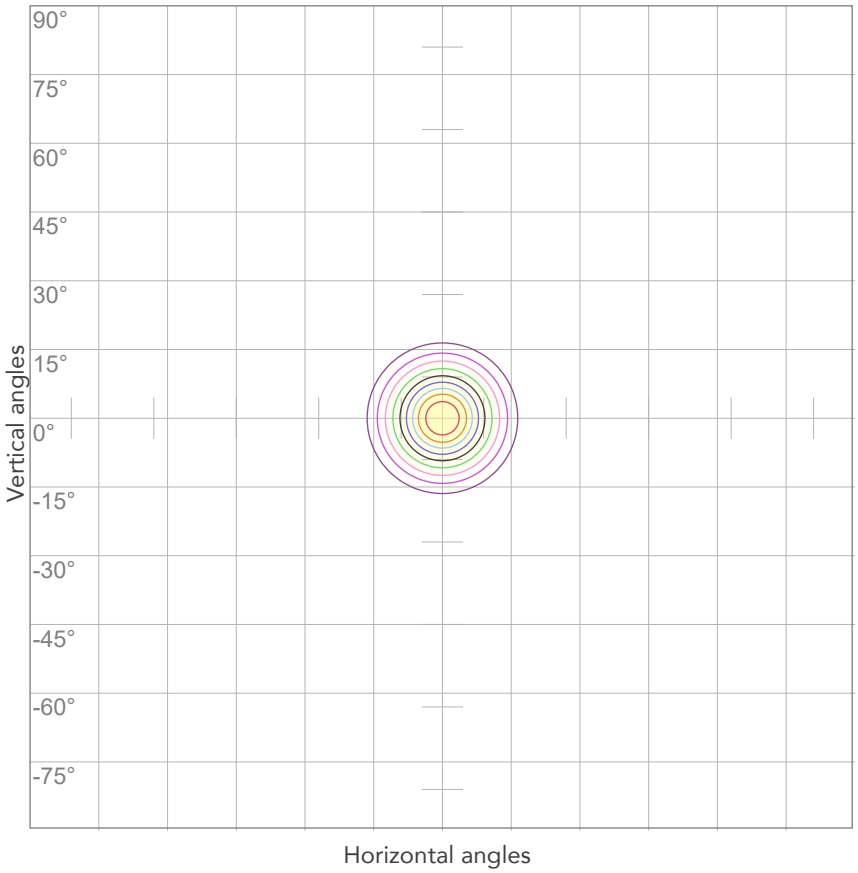
ISO DIAGRAMS

ISO CANDELA DIAGRAM



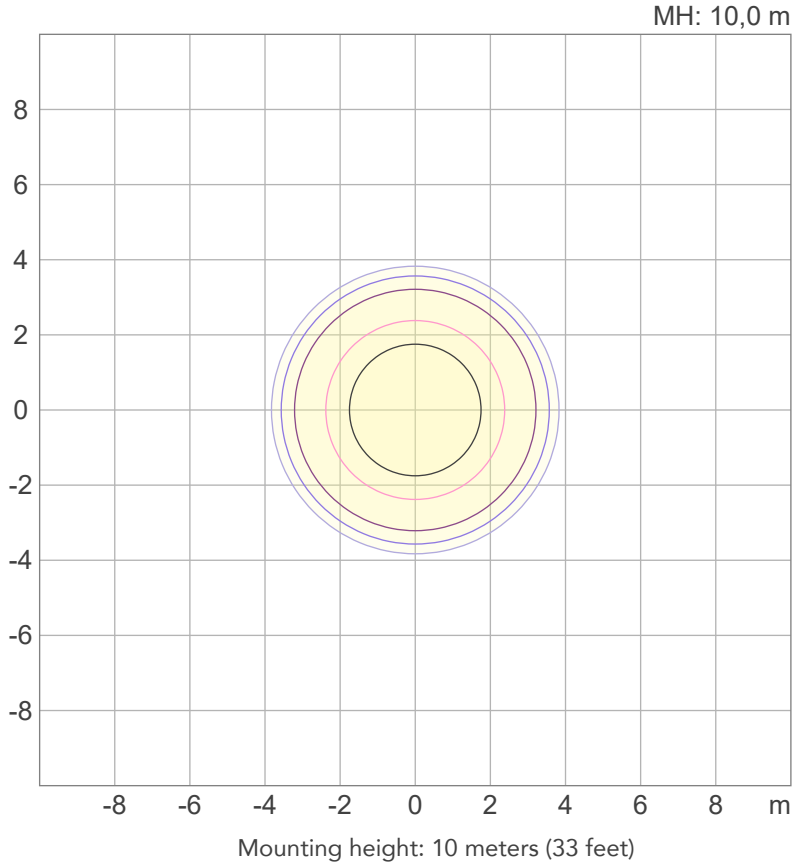
10%	89 cd
20%	177 cd
30%	266 cd
40%	355 cd
50%	444 cd
60%	532 cd
70%	621 cd
80%	710 cd

Conditions:

Number of c-planes: 2

Candela at center: 887 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,266 lx
5%	0,444 lx
10%	0,887 lx
30%	2,66 lx
50%	4,44 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,87 lx

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

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Total lumen output:

68,2 lm

Peak candela output:

1989 cd

PRODUCT NAME:

ECLFRCTPS

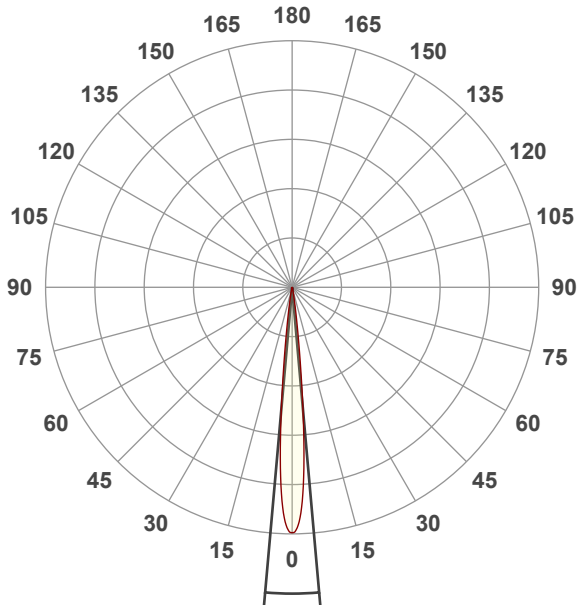
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Cyan - **HQ**

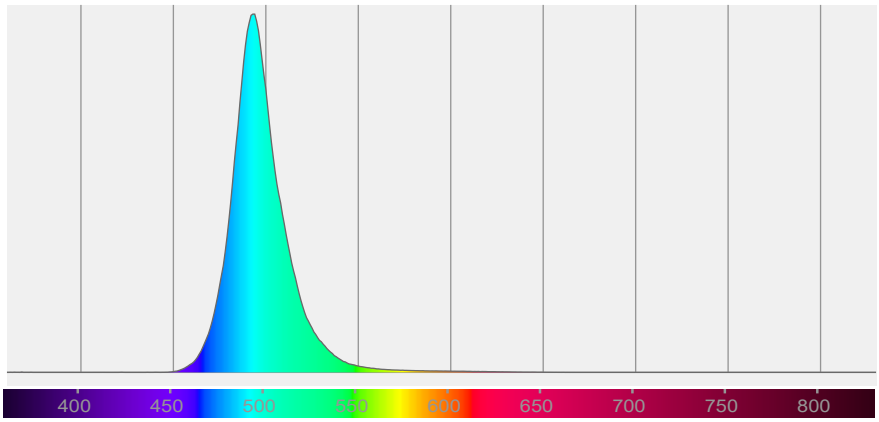
Operator:
Salvatore Giglio

Date and time:
18/09/2023 10:46:22



Beam angle 50%: 10,1°
Field angle 10%: 16,8°
Cut off angle 2.5%: 22,6°

Spectra



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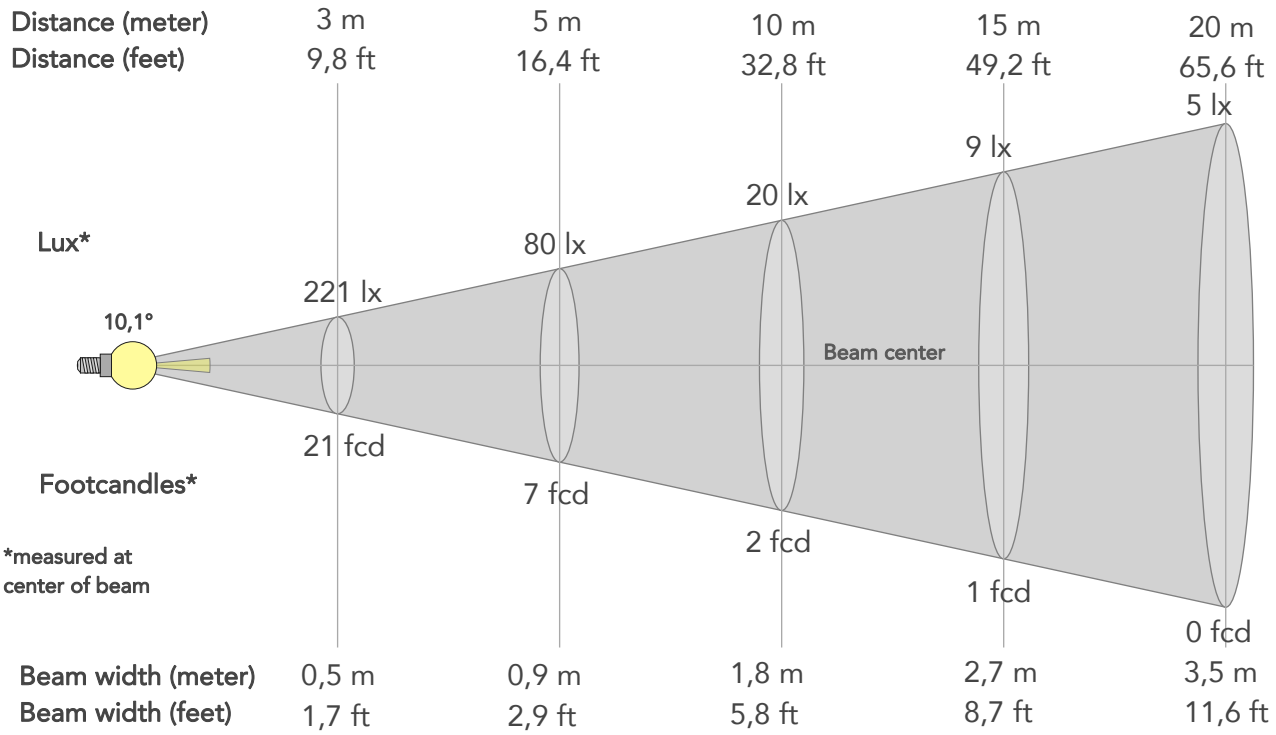
BEAM DETAILS

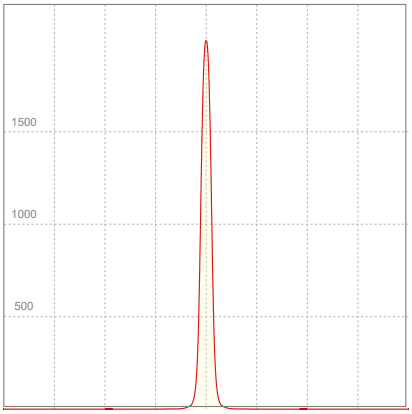
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	16,8°	22,6°	100,0%	100,0%



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	1989lx	497lx	221lx	124lx	80lx	35lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	185fcd	46fcd	21fcd	12fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
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	8,8m
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
229V	0,111A	15,1W	5lm/W

Power FC
0,6

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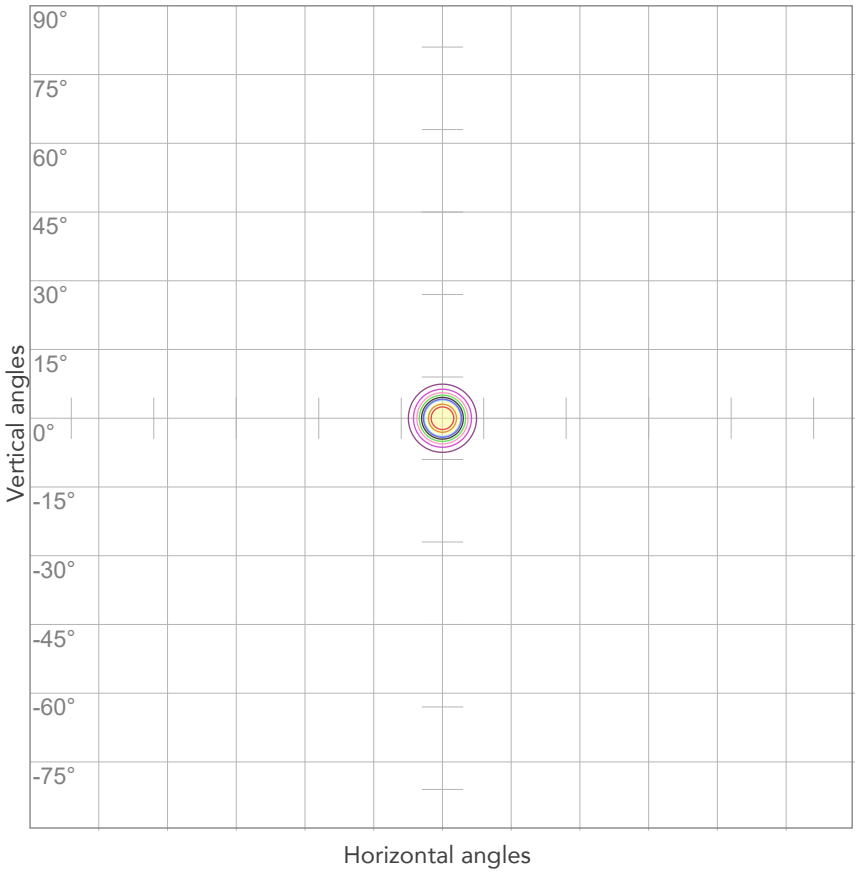
ISO DIAGRAMS

ISO CANDELA DIAGRAM



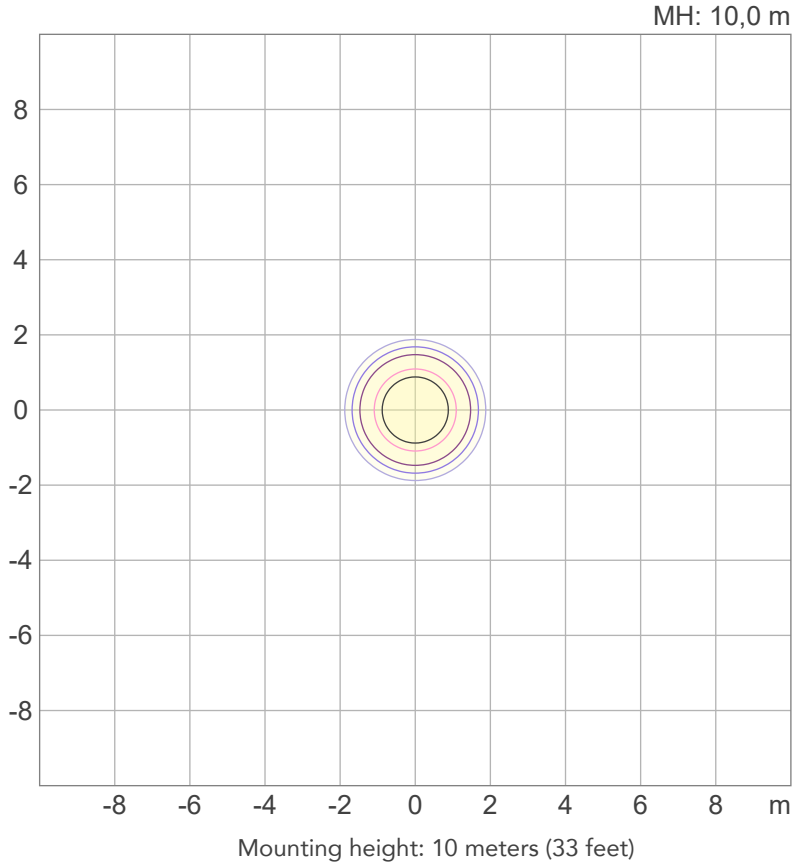
10%	199 cd
20%	398 cd
30%	597 cd
40%	796 cd
50%	995 cd
60%	1194 cd
70%	1392 cd
80%	1591 cd

Conditions:

Number of c-planes: 2

Candela at center: 1989 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,597 lx
5%	0,995 lx
10%	1,99 lx
30%	5,97 lx
50%	9,95 lx

Conditions:

Number of c-planes: 2

Lux at center: 19,9 lx

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

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Total lumen output:

2792 lm

Peak candela output:

4243 cd

PRODUCT NAME:

ECLFRCTPS

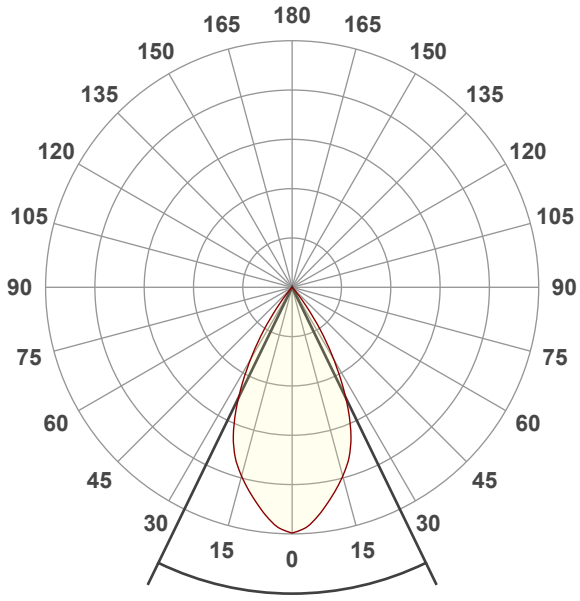
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Mint - **HQ**

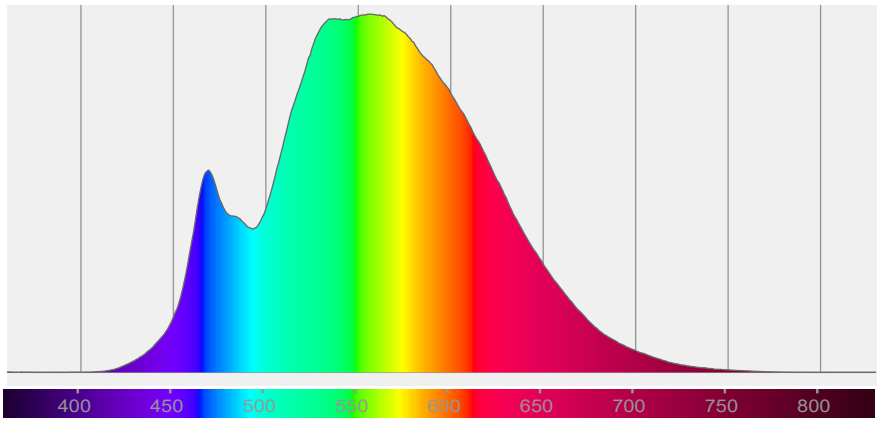
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:11:24



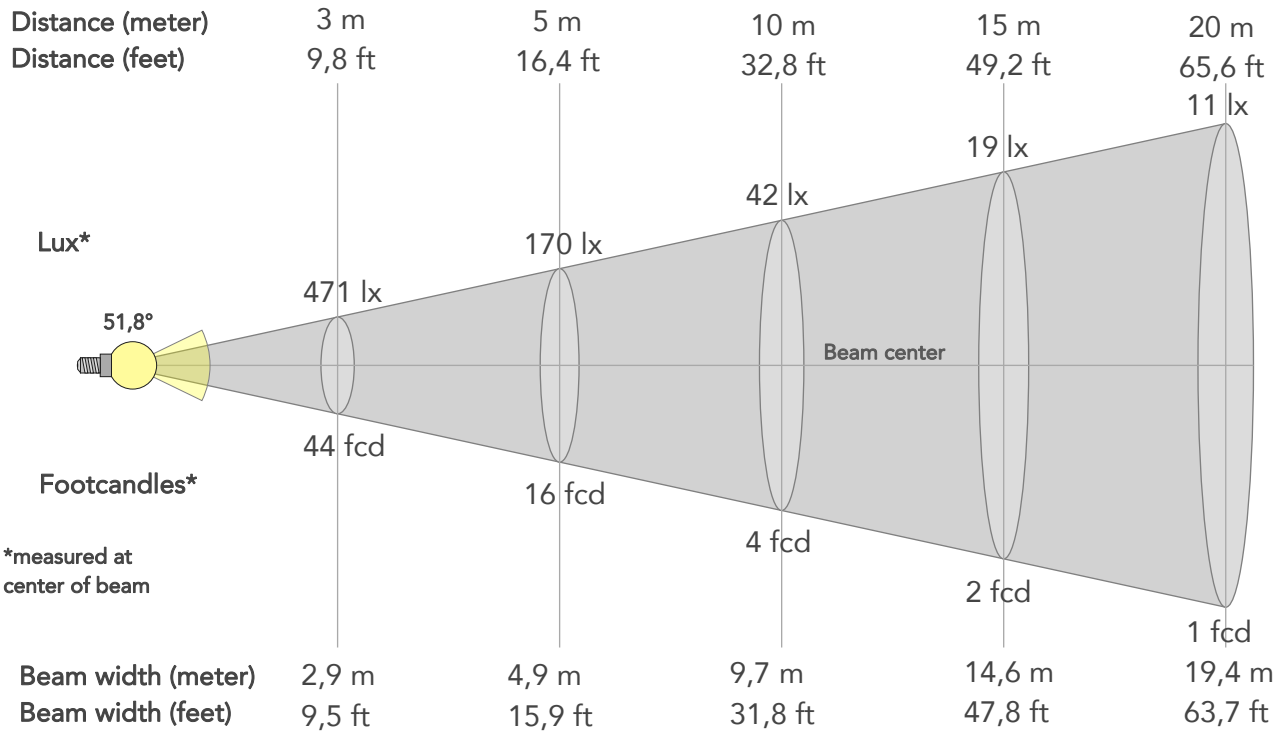
Beam angle 50%: 51,8°
Field angle 10%: 73,5°
Cut off angle 2.5%: 81,6°

Spectra



BEAM DETAILS

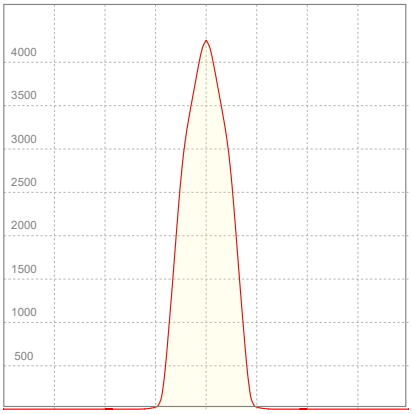
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
51,8°	73,5°	81,6°	100,0%	99,7%



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	4243lx	1061lx	471lx	265lx	170lx	75lx	42lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	394fcd	99fcd	44fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1m	1,9m	2,9m	3,9m	4,9m	7,3m	9,7m	14,6m	19,4m	24,3m	29,1m	38,8m	48,5m
Beam wid.	3,2ft	6,4ft	9,5ft	12,7ft	15,9ft	23,9ft	31,8ft	47,8ft	63,7ft	79,6ft	95,5ft	127,4ft	159,2ft

LINEAR DISTRIBUTION DIAGRAM



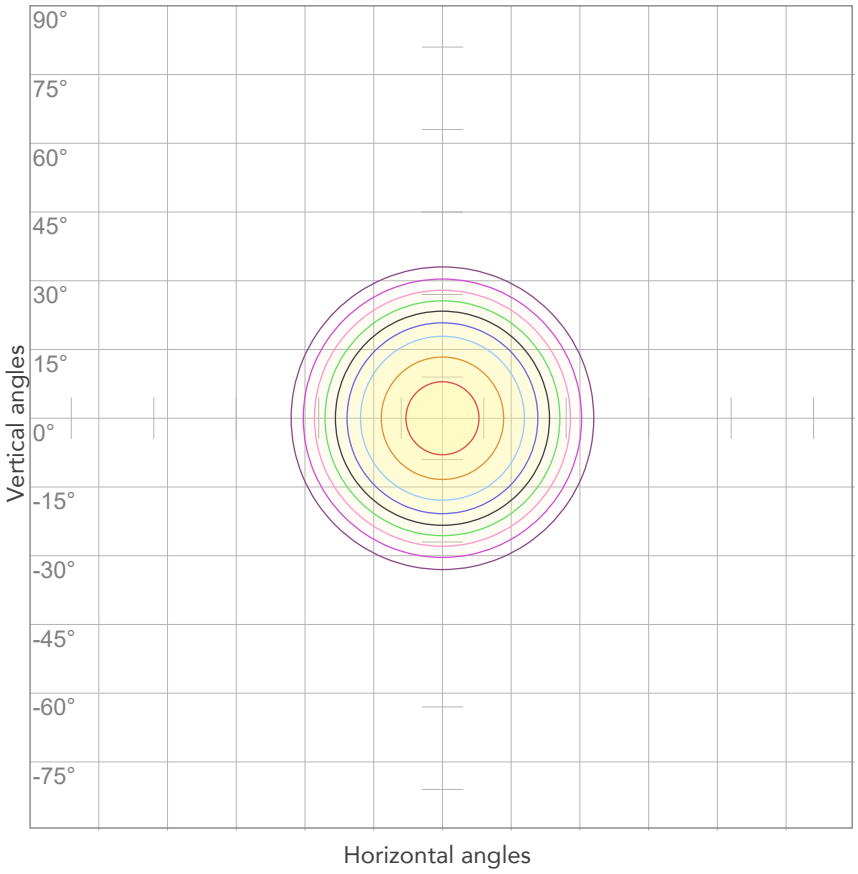
ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,334A	73,8W	38lm/W

Power FC
0,97

ISO DIAGRAMS

ISO CANDELA DIAGRAM



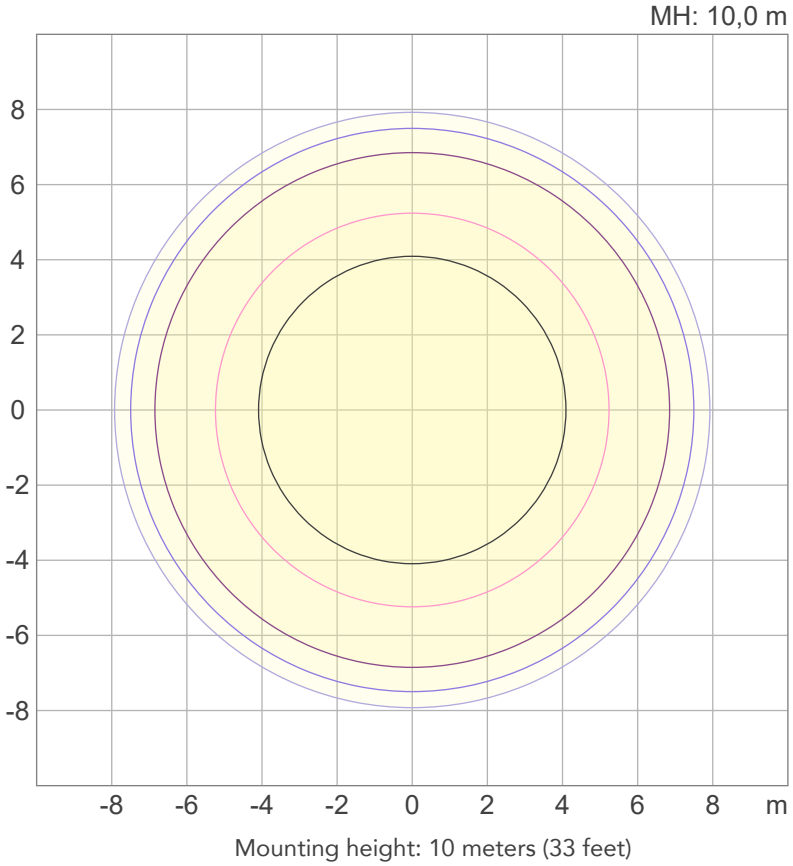
10%	424 cd
20%	849 cd
30%	1273 cd
40%	1697 cd
50%	2121 cd
60%	2546 cd
70%	2970 cd
80%	3394 cd

Conditions:

Number of c-planes: 2

Candela at center: 4243 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,27 lx
5%	2,12 lx
10%	4,24 lx
30%	12,7 lx
50%	21,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 42,4 lx

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

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info@prolights.it

Total lumen output:

2056 lm

Peak candela output:

14332 cd

PRODUCT NAME:

ECLFRCTPS

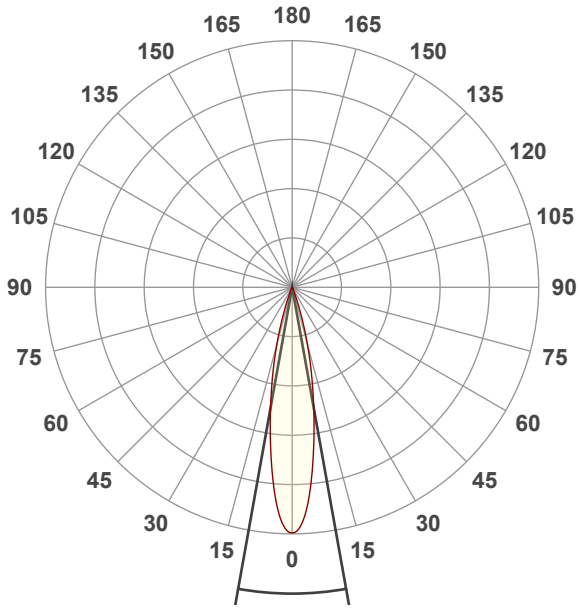
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Mint - **HQ**

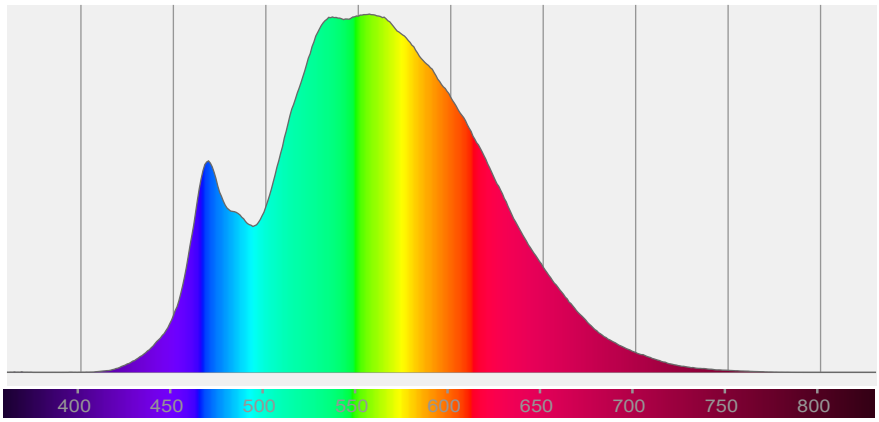
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:34:06



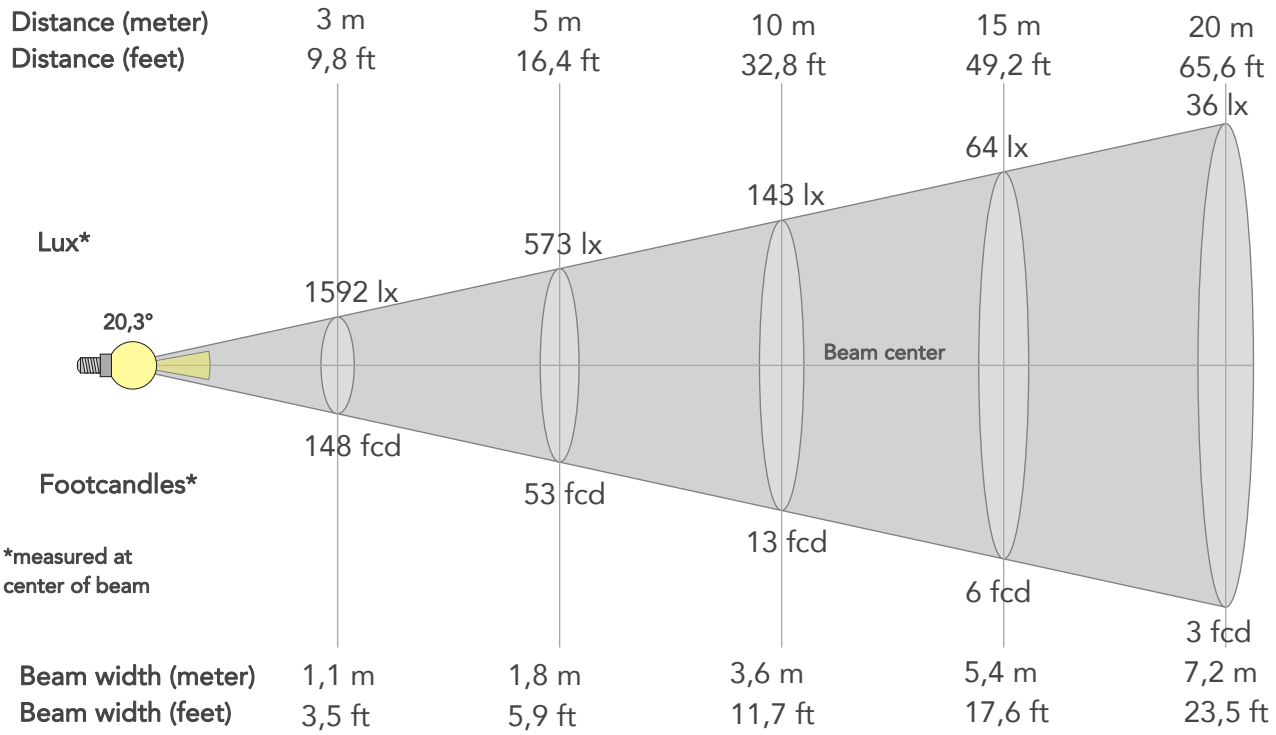
Beam angle 50%: 20,3°
Field angle 10%: 36,9°
Cut off angle 2.5%: 44,9°

Spectra



BEAM DETAILS

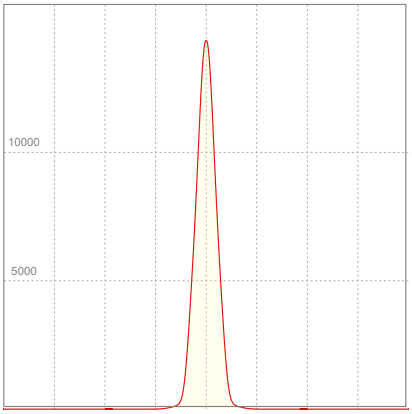
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,3°	36,9°	44,9°	100,0%	100,0%



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	14332lx	3583lx	1592lx	896lx	573lx	255lx	143lx	64lx	36lx	23lx	16lx	9lx	6lx
Footcand.	1331fcd	333fcd	148fcd	83fcd	53fcd	24fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,7m	14,3m	17,9m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,8ft	11,7ft	17,6ft	23,5ft	29,4ft	35,2ft	47ft	58,7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,336A	73,9W	28lm/W

Power FC
0,97

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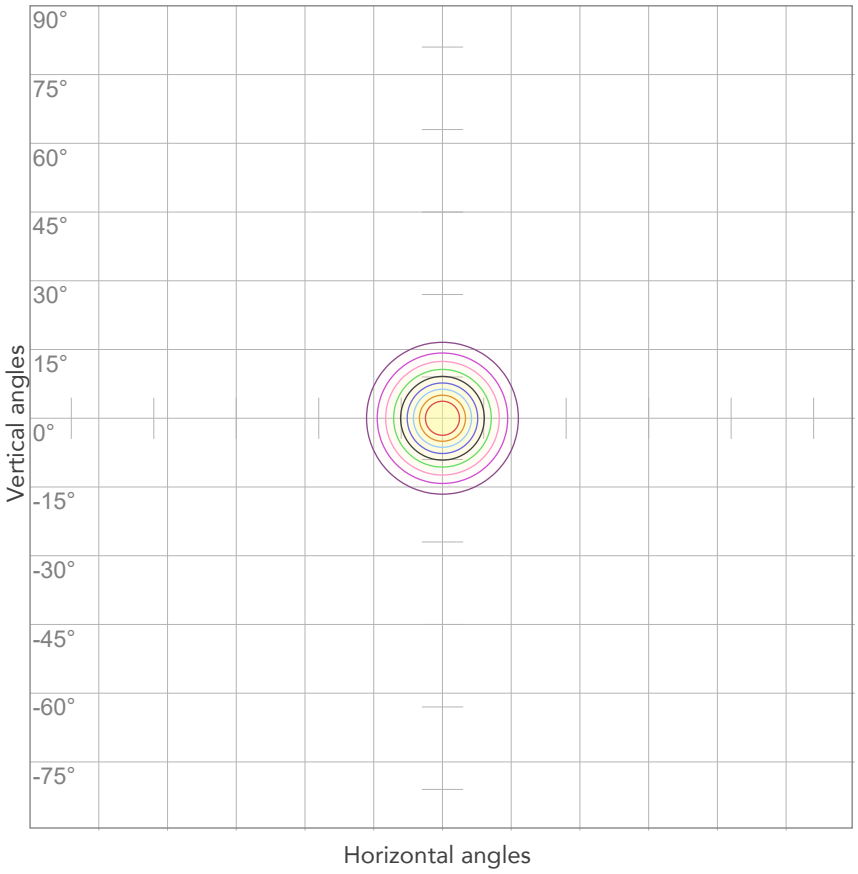
ISO DIAGRAMS

ISO CANDELA DIAGRAM



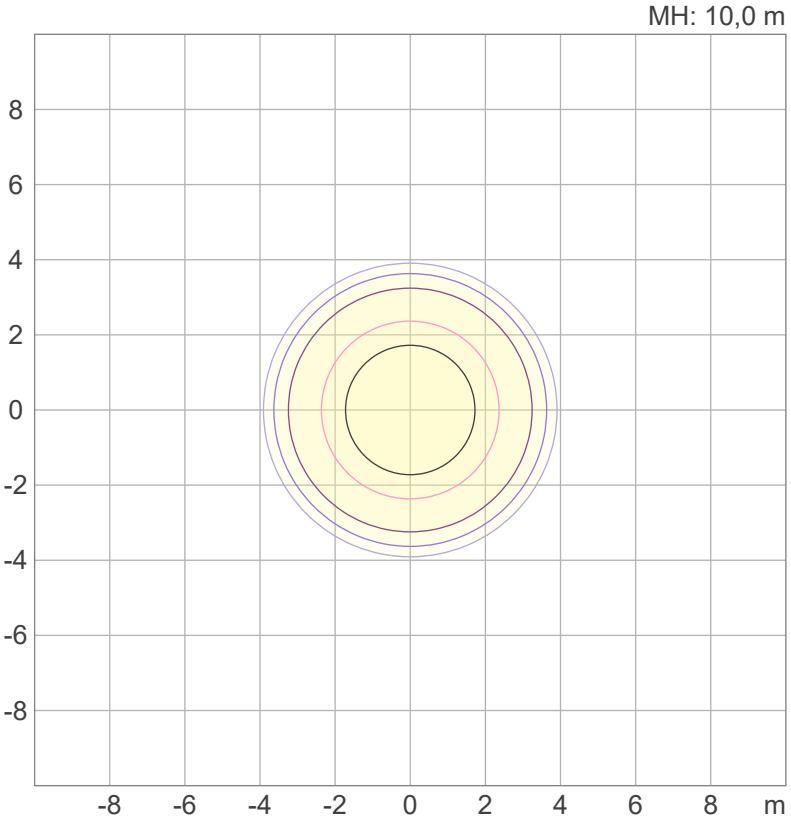
10%	1433 cd
20%	2866 cd
30%	4300 cd
40%	5733 cd
50%	7166 cd
60%	8599 cd
70%	10032 cd
80%	11465 cd

Conditions:

Number of c-planes: 2

Candela at center: 14332 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,30 lx
5%	7,17 lx
10%	14,3 lx
30%	43,0 lx
50%	71,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 143 lx

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

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info@prolights.it

Total lumen output:

1096 lm

Peak candela output:

33344 cd

PRODUCT NAME:

ECLFRCTPS

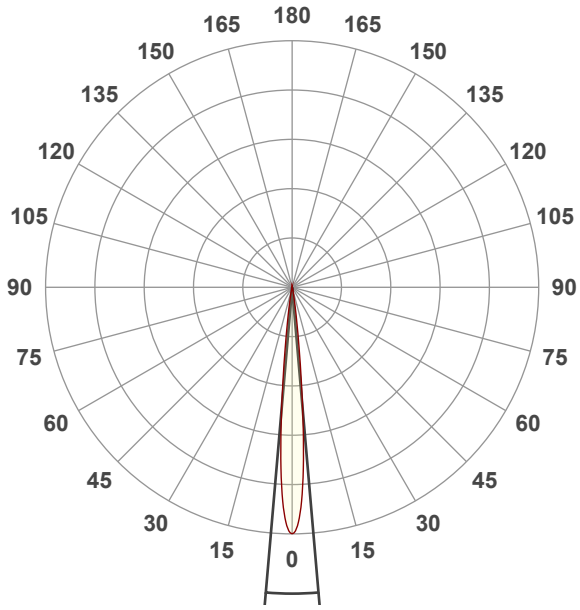
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Mint - **HQ**

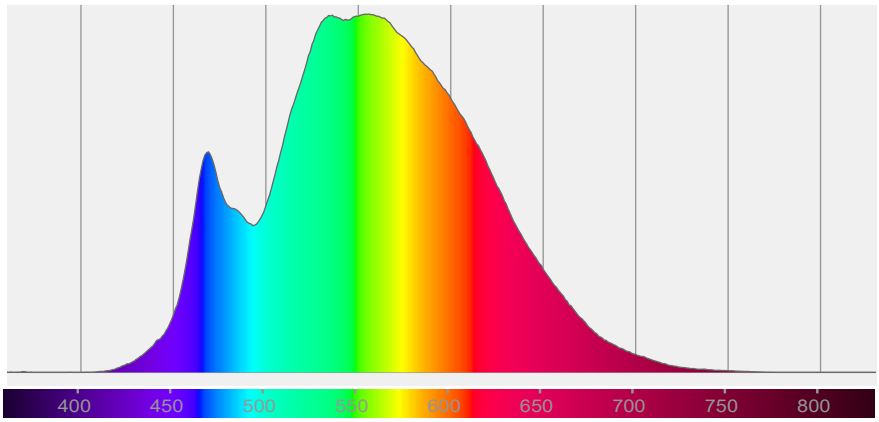
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:01:20



Beam angle 50%: 9,9°
Field angle 10%: 16,8°
Cut off angle 2.5%: 22,8°

Spectra



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Tel: +39 0771 72190

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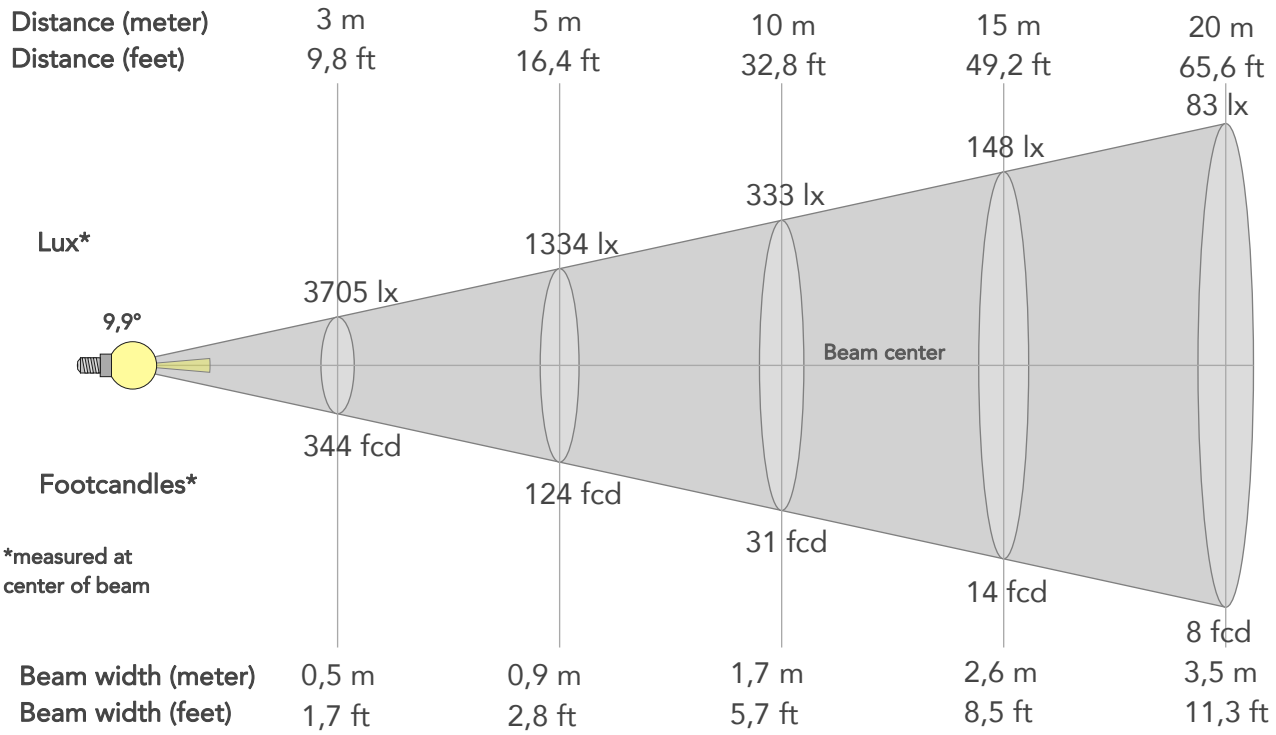
info@prolights.it

BEAM DETAILS

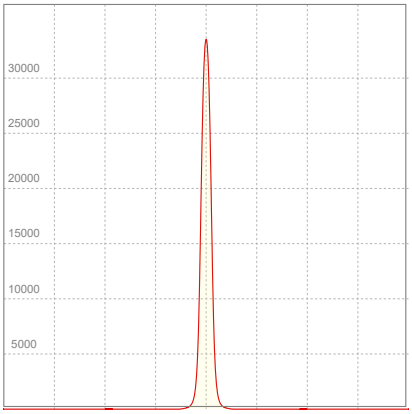
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	16,8°	22,8°	100,0%	100,0%



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	33344lx	8336lx	3705lx	2084lx	1334lx	593lx	333lx	148lx	83lx	53lx	37lx	21lx	13lx
Footcand.	3098fcd	774fcd	344fcd	194fcd	124fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,7ft	8,5ft	11,3ft	14,2ft	17ft	22,7ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,334A	73,7W	15lm/W

Power FC
0,97

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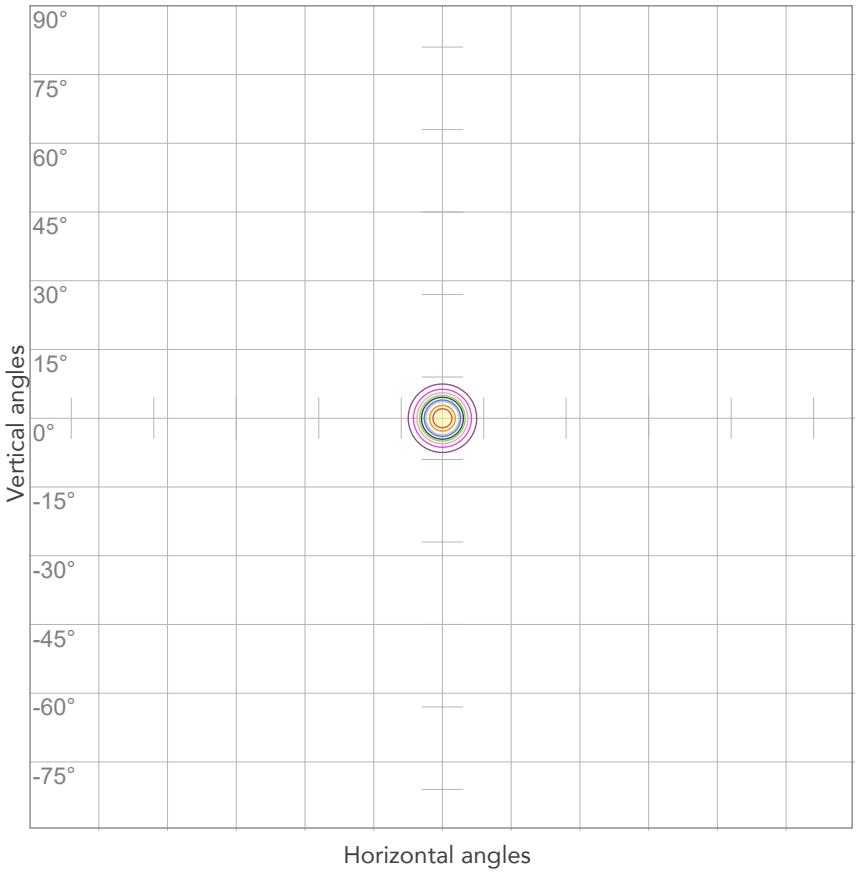
ISO DIAGRAMS

ISO CANDELA DIAGRAM



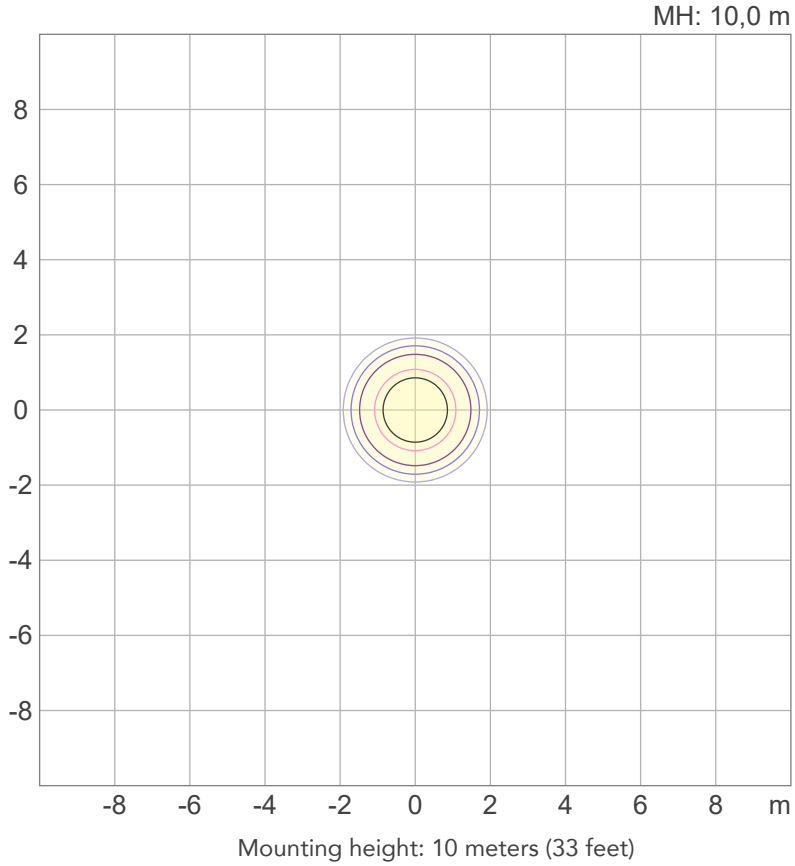
10%	3334 cd
20%	6669 cd
30%	10003 cd
40%	13337 cd
50%	16672 cd
60%	20006 cd
70%	23340 cd
80%	26675 cd

Conditions:

Number of c-planes: 2

Candela at center: 33344 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	10,0 lx
5%	16,7 lx
10%	33,3 lx
30%	100 lx
50%	167 lx

Conditions:

Number of c-planes: 2

Lux at center: 333 lx

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

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Total lumen output:

1542 lm

Peak candela output:

2313 cd

PRODUCT NAME:

ECLFRCTPS

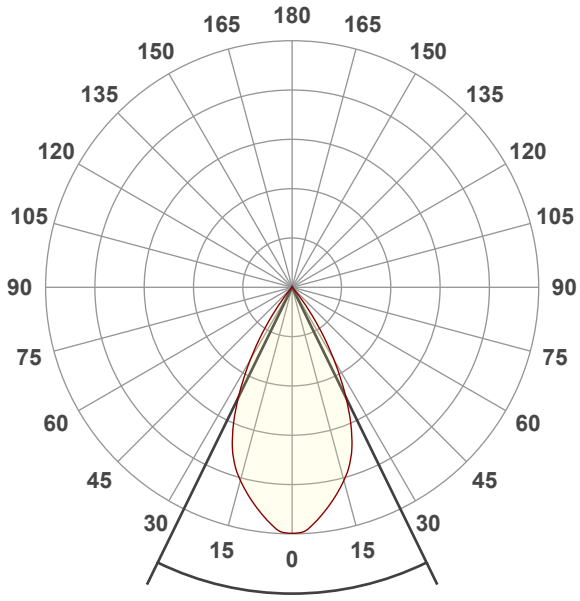
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Amber - **HQ**

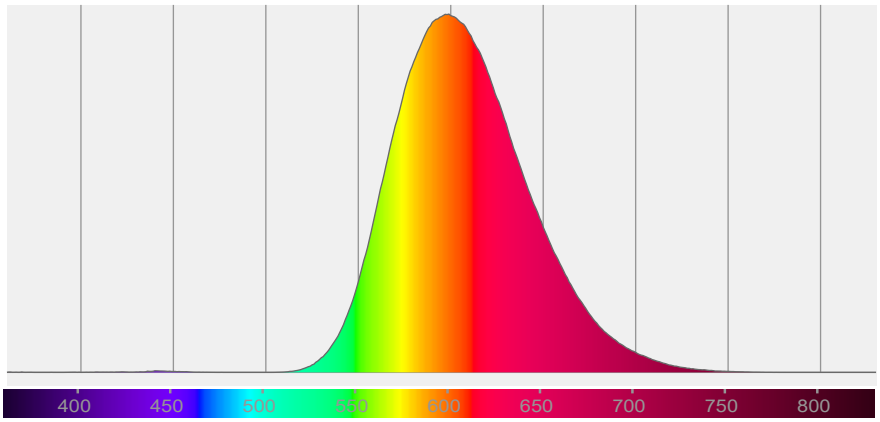
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:12:48



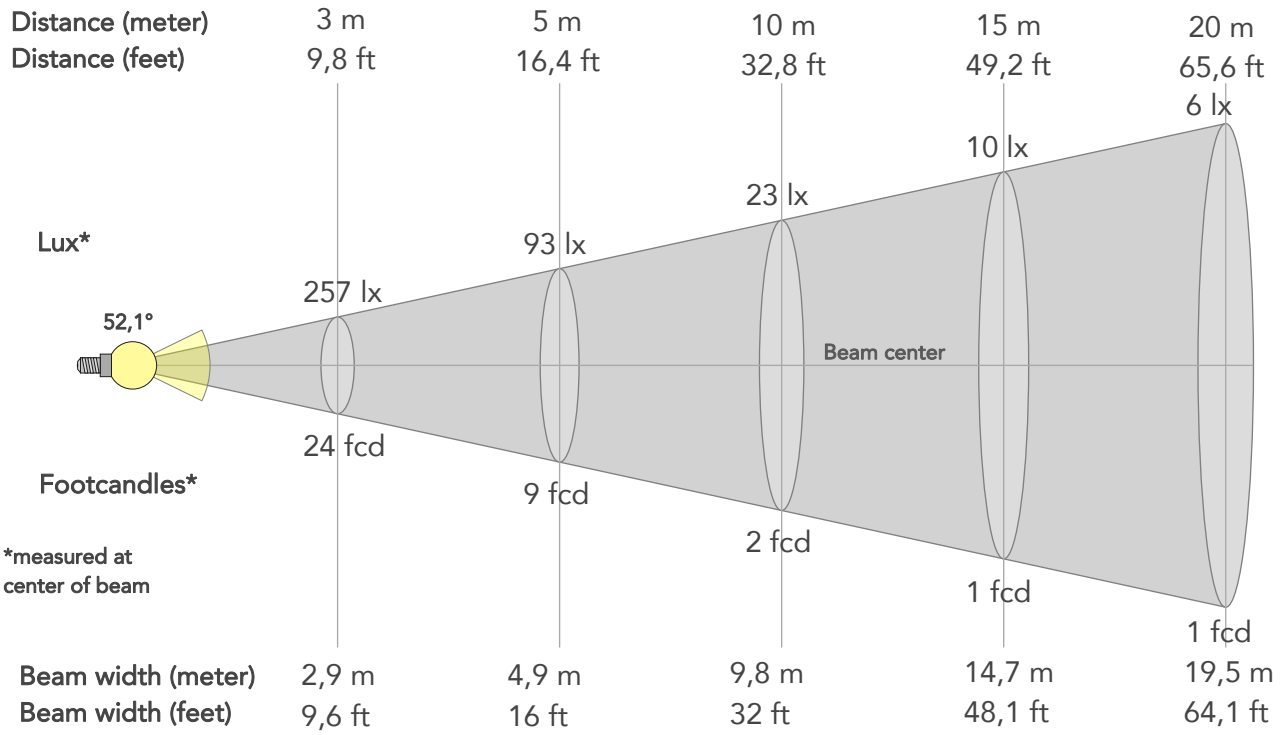
Beam angle 50%: 52,1°
Field angle 10%: 73,7°
Cut off angle 2.5%: 81,4°

Spectra



BEAM DETAILS

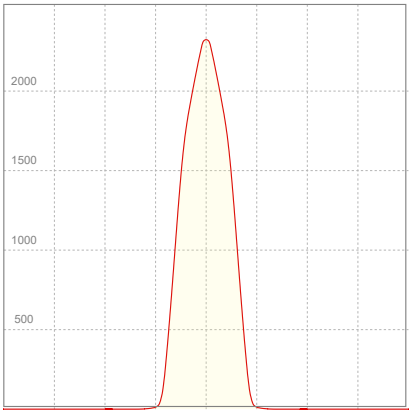
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,1°	73,7°	81,4°	100,0%	99,7%



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	2313lx	578lx	257lx	145lx	93lx	41lx	23lx	10lx	6lx	4lx	3lx	1lx	1lx
Footcand.	215fcd	54fcd	24fcd	13fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,3m	9,8m	14,7m	19,5m	24,4m	29,3m	39,1m	48,8m
Beam wid.	3,2ft	6,4ft	9,6ft	12,8ft	16ft	24ft	32ft	48,1ft	64,1ft	80,1ft	96,1ft	128,2ft	160,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,347A	76,8W	20lm/W

Power FC
0,97

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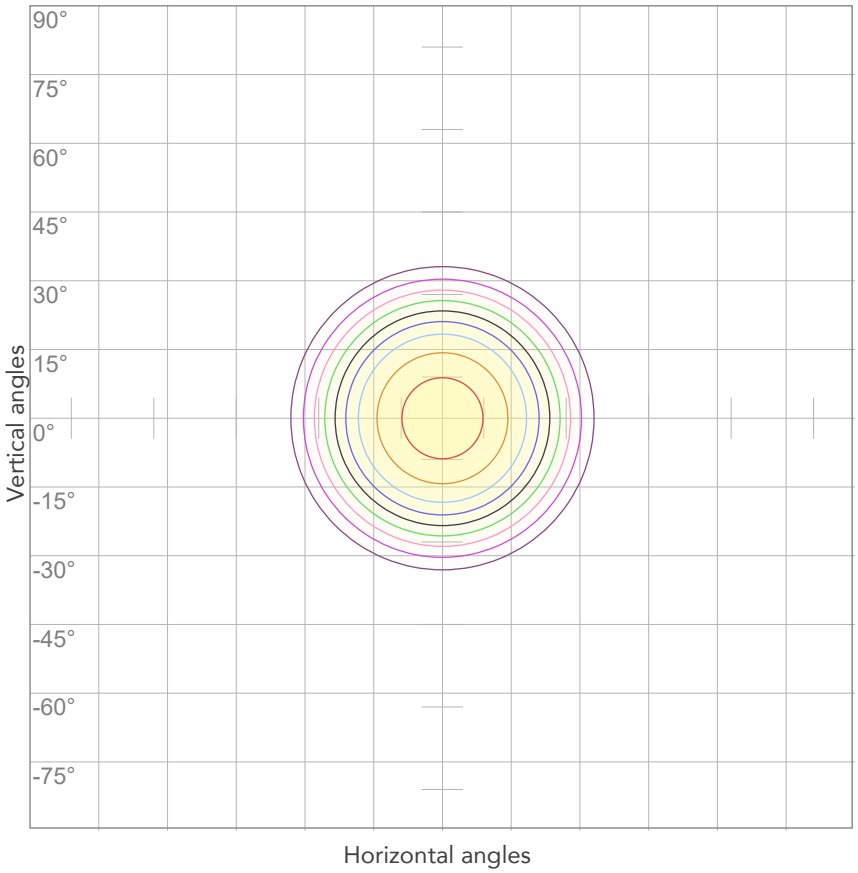
ISO DIAGRAMS

ISO CANDELA DIAGRAM



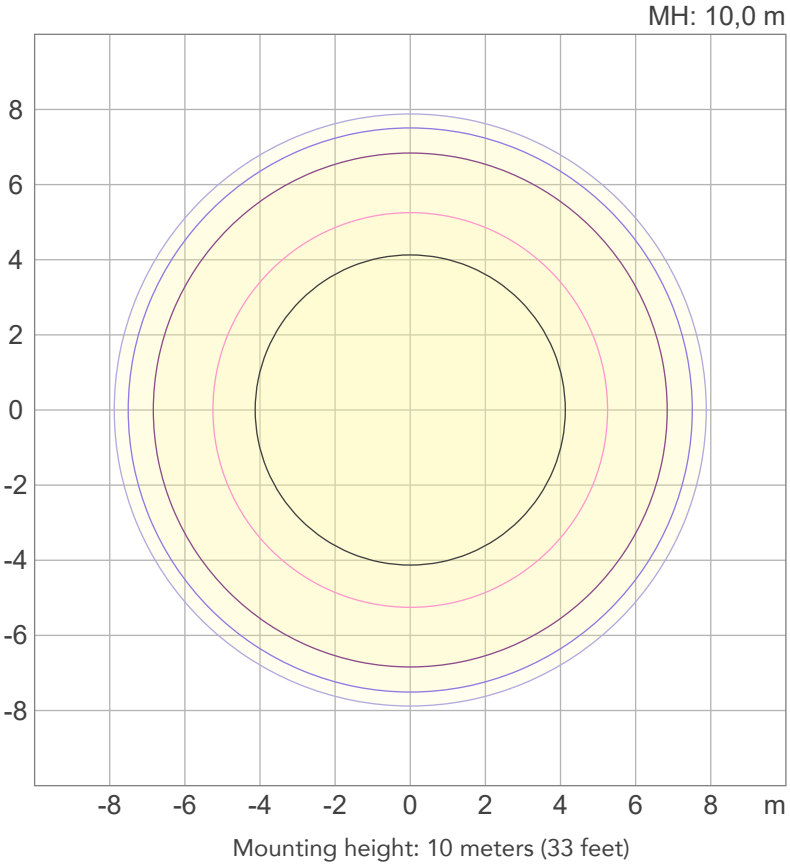
10%	231 cd
20%	463 cd
30%	694 cd
40%	925 cd
50%	1157 cd
60%	1388 cd
70%	1619 cd
80%	1851 cd

Conditions:

Number of c-planes: 2

Candela at center: 2313 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,694 lx
5%	1,16 lx
10%	2,31 lx
30%	6,94 lx
50%	11,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 23,1 lx

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

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Total lumen output:

1129 lm

Peak candela output:

7871 cd

PRODUCT NAME:

ECLFRCTPS

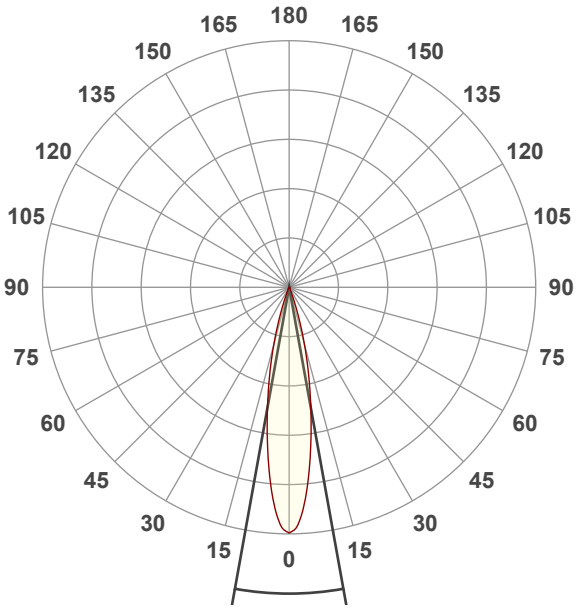
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
Amber - **HQ**

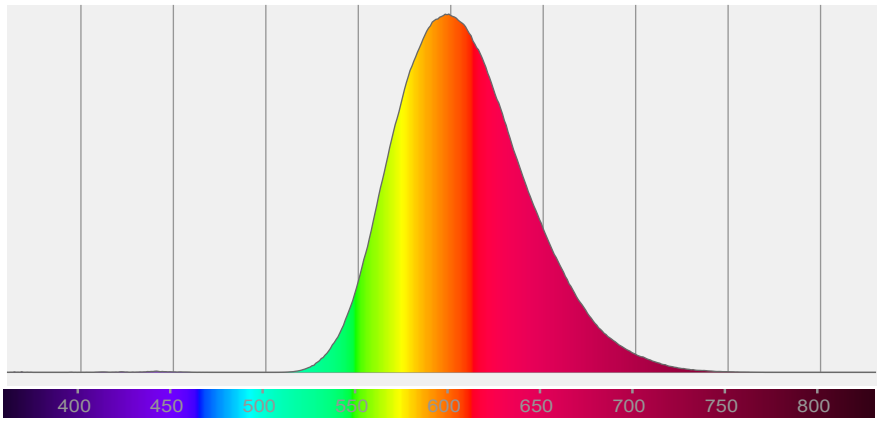
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:35:32



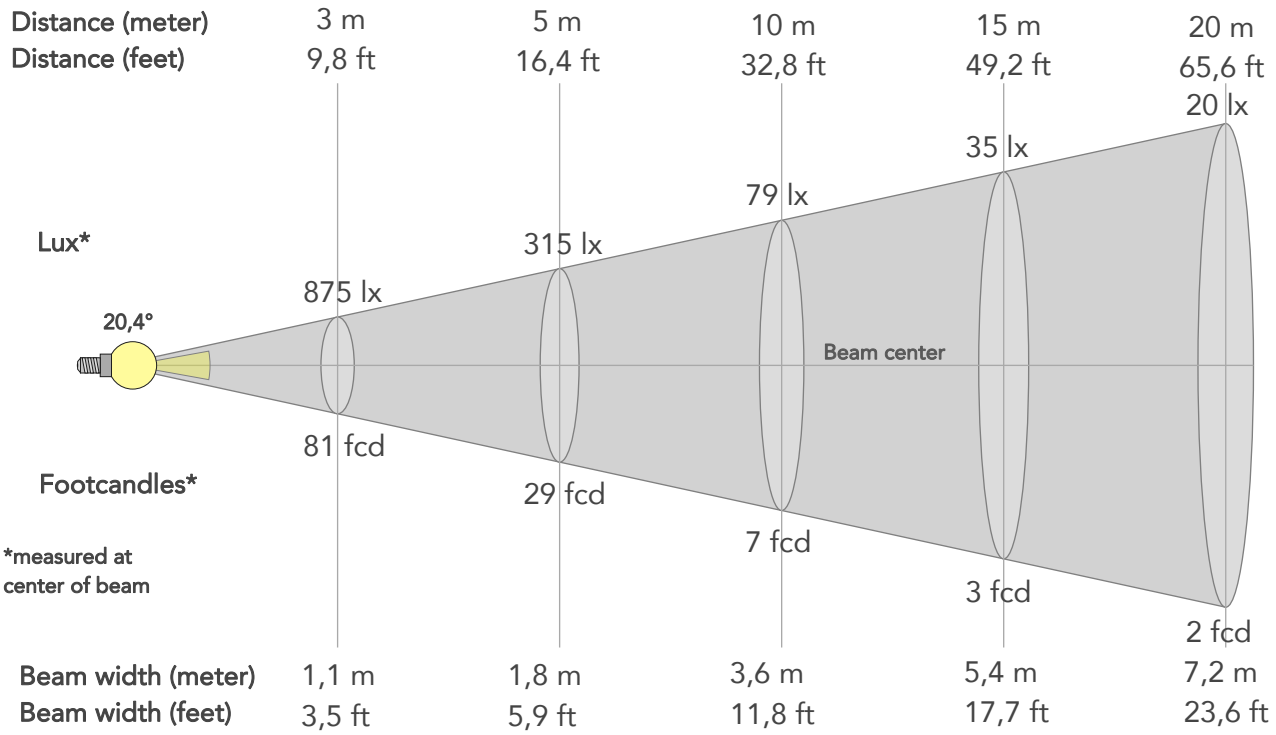
Beam angle 50%: 20,4°
Field angle 10%: 37°
Cut off angle 2.5%: 44,9°

Spectra



BEAM DETAILS

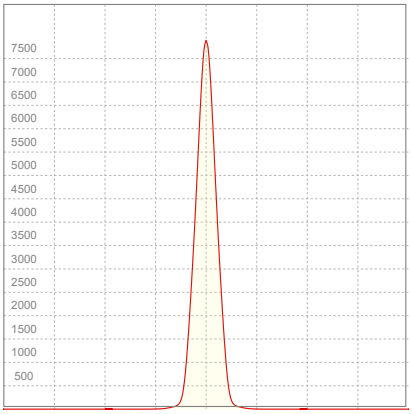
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,4°	37°	44,9°	100,0%	99,9%



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	7871lx	1968lx	875lx	492lx	315lx	140lx	79lx	35lx	20lx	13lx	9lx	5lx	3lx
Footcand.	731fcd	183fcd	81fcd	46fcd	29fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,4m	18m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,9ft	11,8ft	17,7ft	23,6ft	29,5ft	35,4ft	47,2ft	59ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,347A	76,8W	15lm/W

Power FC
0,97

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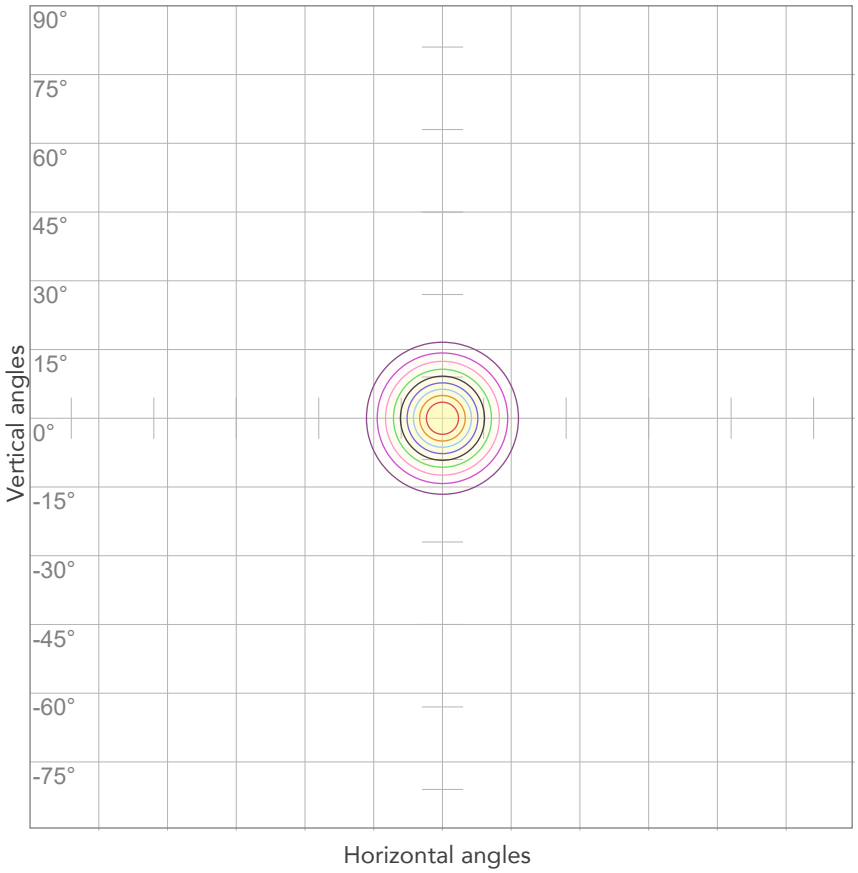
ISO DIAGRAMS

ISO CANDELA DIAGRAM



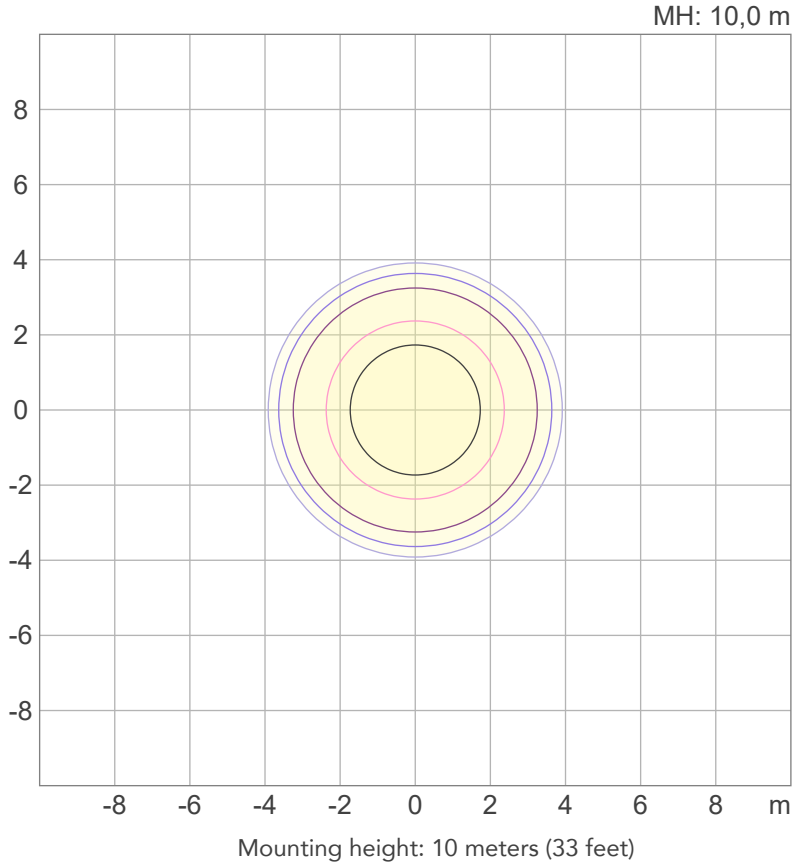
10%	787 cd
20%	1574 cd
30%	2361 cd
40%	3148 cd
50%	3936 cd
60%	4723 cd
70%	5510 cd
80%	6297 cd

Conditions:

Number of c-planes: 2

Candela at center: 7871 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,36 lx
5%	3,94 lx
10%	7,87 lx
30%	23,6 lx
50%	39,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 78,7 lx

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

Total lumen output:

635 lm

Peak candela output:

18491 cd

PRODUCT NAME:

ECLFRCTPS

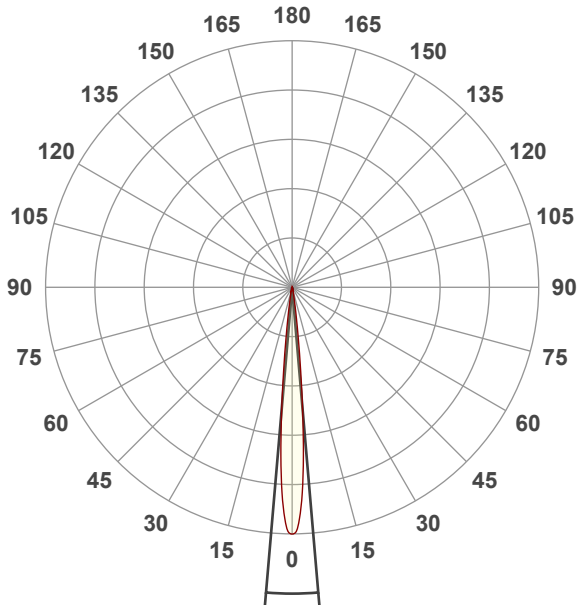
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Amber - **HQ**

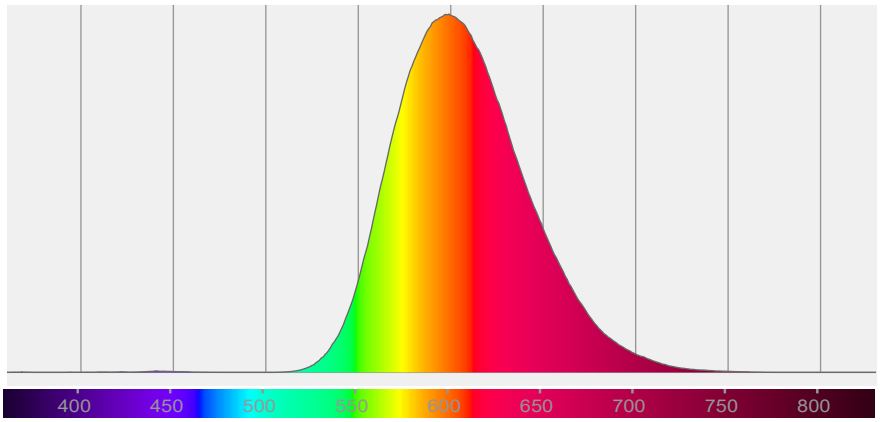
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:03:00



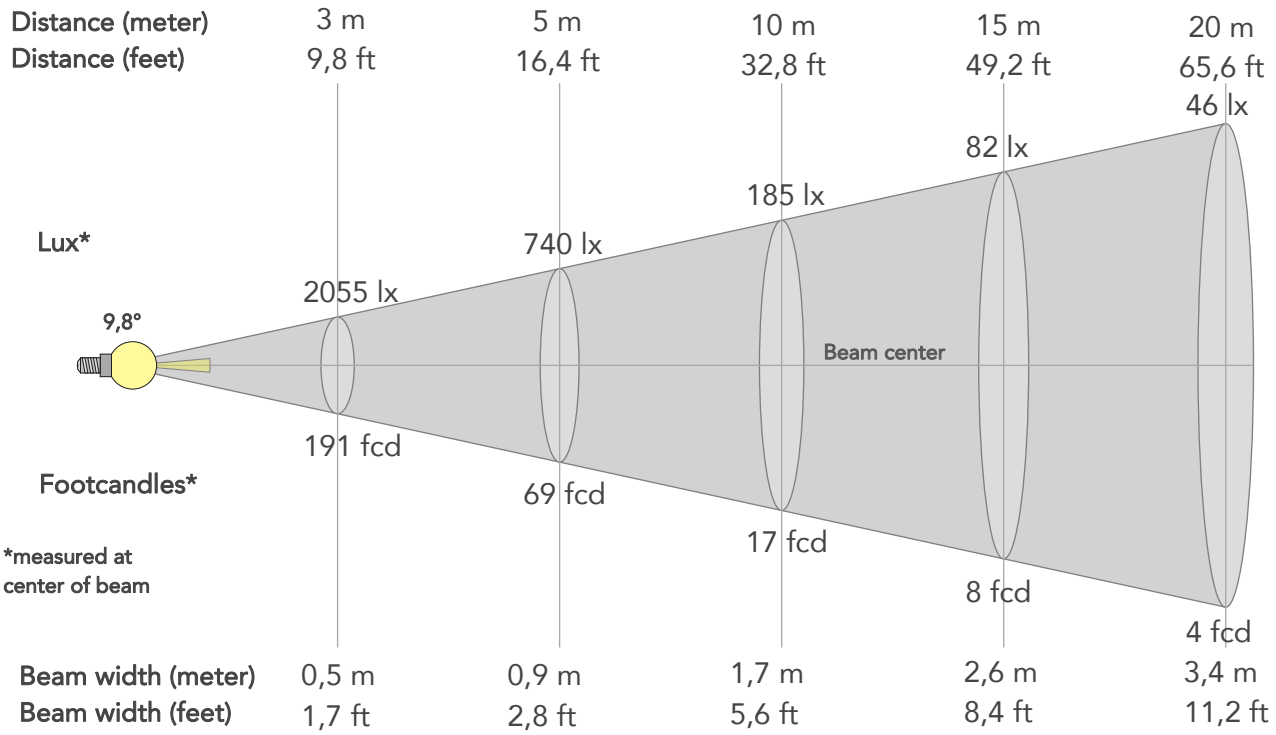
Beam angle 50%: 9,8°
Field angle 10%: 16,9°
Cut off angle 2.5%: 23,1°

Spectra



BEAM DETAILS

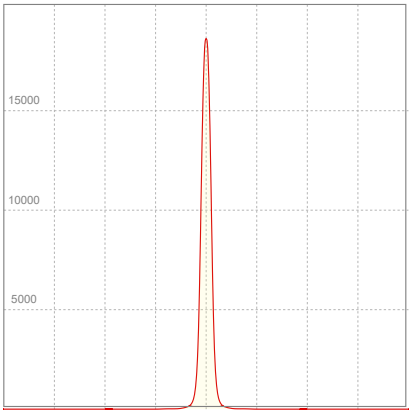
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	16,9°	23,1°	100,0%	100,0%



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	18491lx	4623lx	2055lx	1156lx	740lx	329lx	185lx	82lx	46lx	30lx	21lx	12lx	7lx
Footcand.	1718fcd	429fcd	191fcd	107fcd	69fcd	31fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,8m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14ft	16,8ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,346A	76,6W	8lm/W

Power FC
0,97

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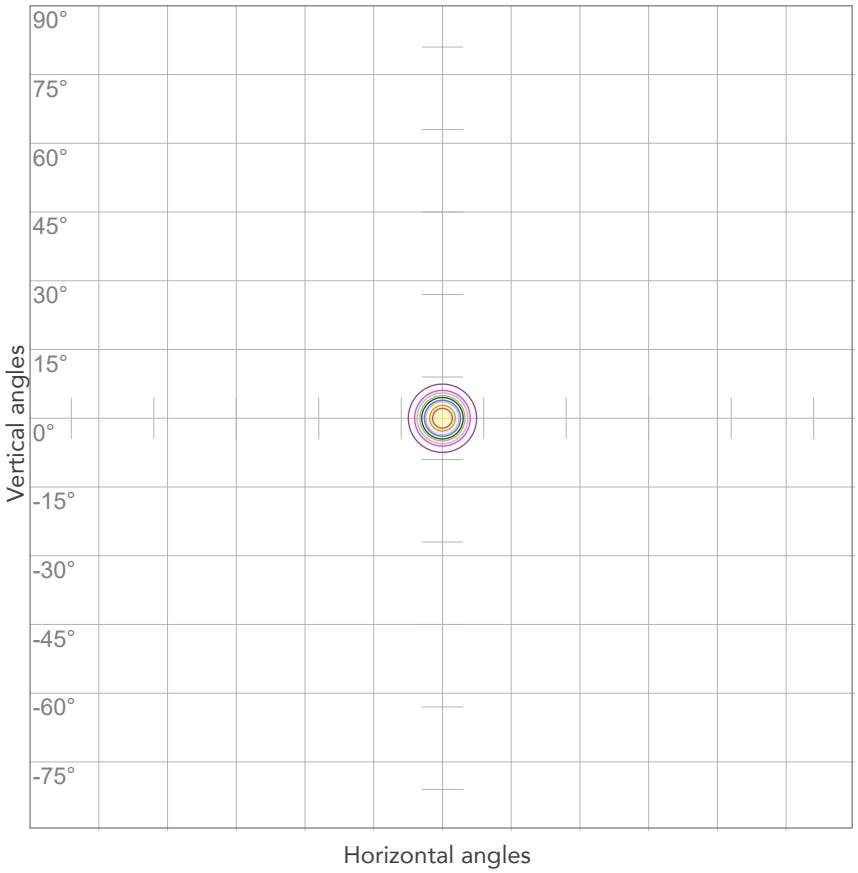
ISO DIAGRAMS

ISO CANDELA DIAGRAM



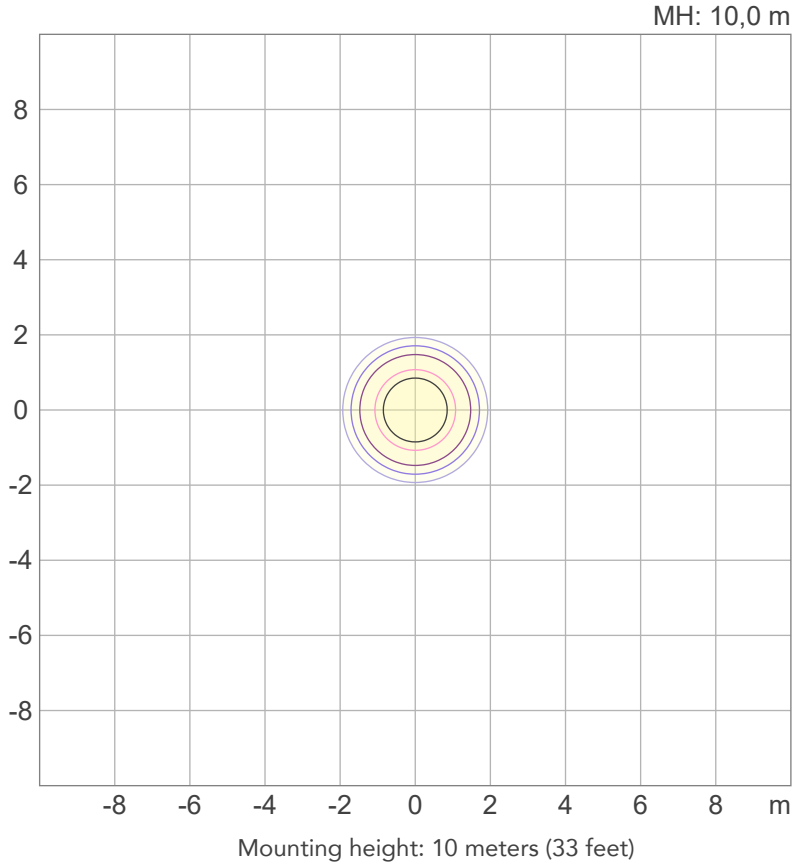
10%	1849 cd
20%	3698 cd
30%	5547 cd
40%	7396 cd
50%	9245 cd
60%	11095 cd
70%	12944 cd
80%	14793 cd

Conditions:

Number of c-planes: 2

Candela at center: 18491 cd

ISO LUX DIAGRAM



3%	5,55 lx
5%	9,25 lx
10%	18,5 lx
30%	55,5 lx
50%	92,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 185 lx

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

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Total lumen output:

4860 lm

Peak candela output:

7372 cd

Light quality:

CRI: 96,7

Color temperature:

2717 K

PRODUCT NAME:

ECLFRCTPS

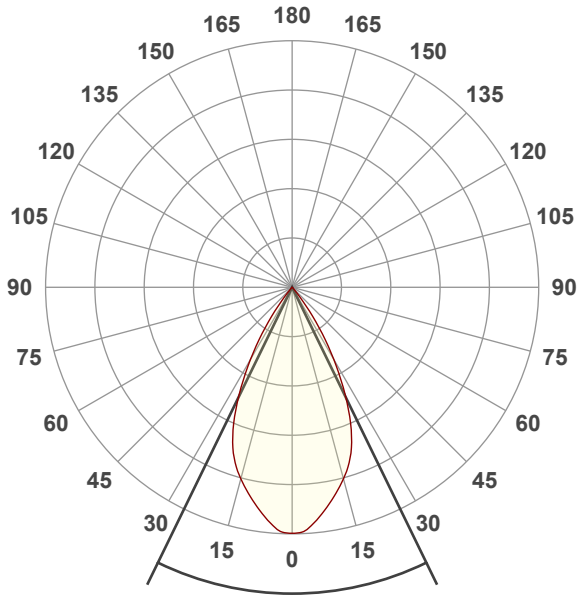
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
2800K - **HQ**

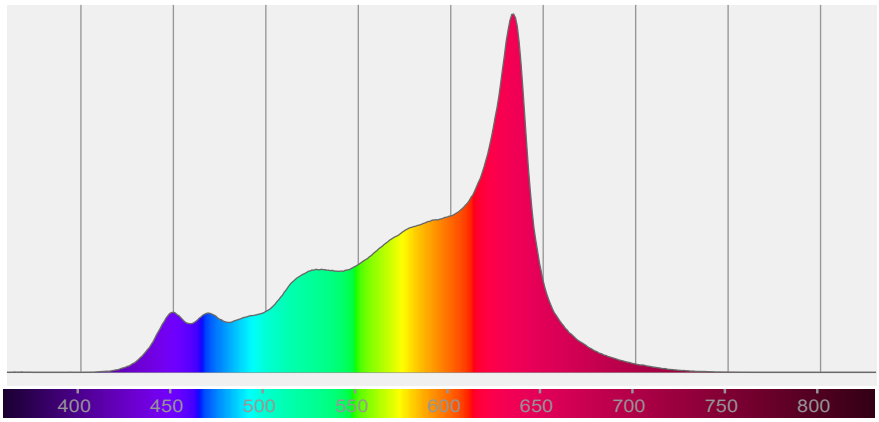
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:54:40



Beam angle 50%: 52°
Field angle 10%: 73,6°
Cut off angle 2.5%: 80,8°

Spectra



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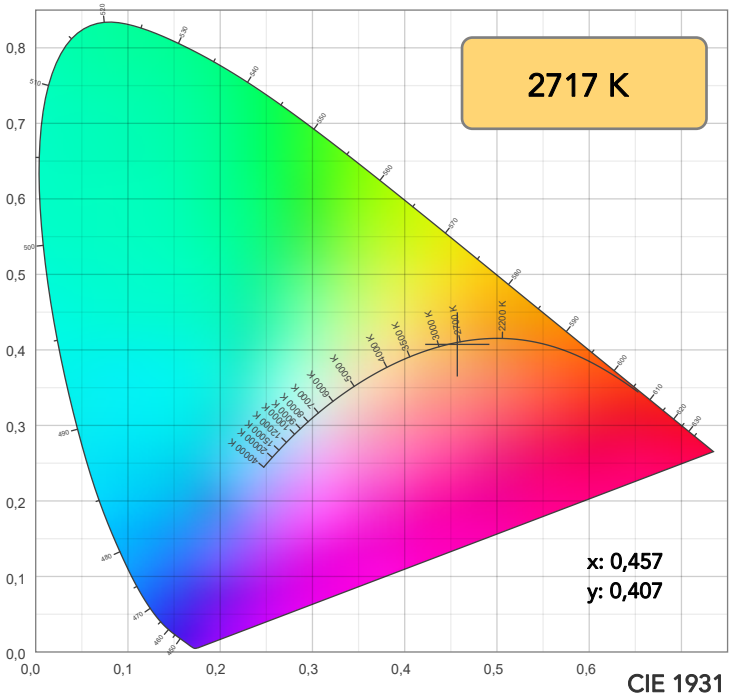
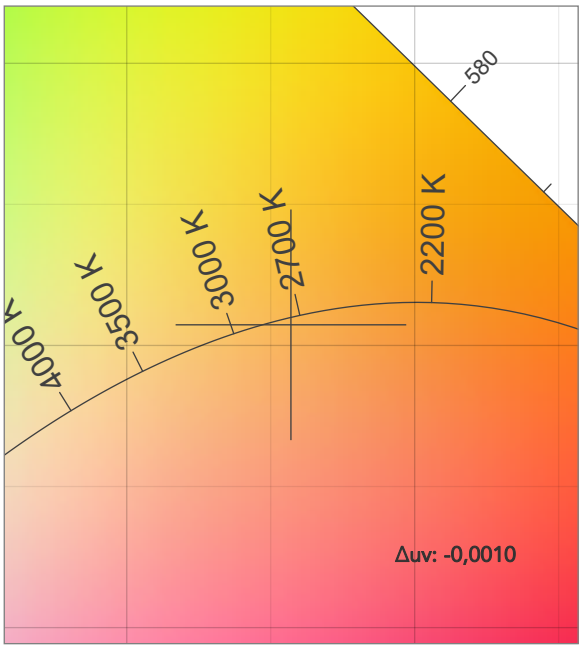
COLOR DETAILS

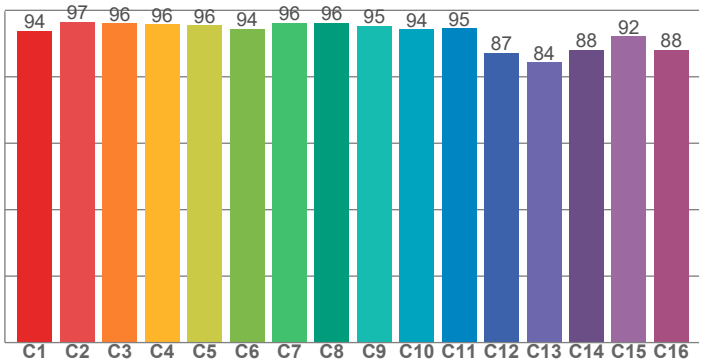


CIE 1931

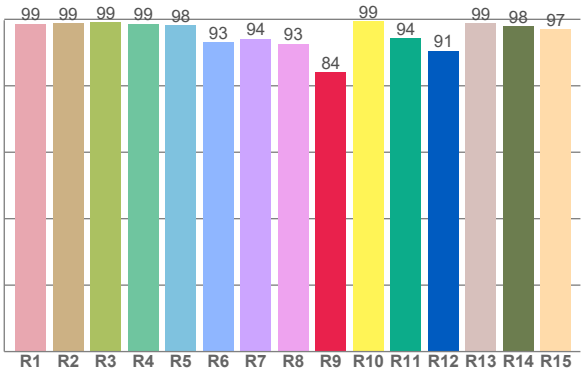


CIE 1931 ZOOM

TM30: 93,5



CRI: 96,7 (R1-R8)



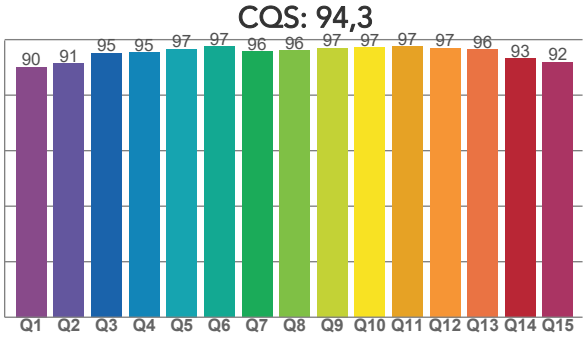
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,7	98,8	99,2	98,7	98,3	93,2	94,2	92,6	84,2	99,3	94,4	90,5	98,8	97,8	97,1

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	96,6	96,0	95,8	95,5	94,4	96,3	96,3	95,4	94,3	94,6	87,3	84,3	88,1	92,2	88,0

CQS: 94,3



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,1	91,4	95,1	95,4	96,6	97,5	95,8	96,1	97,1	97,1	97,5	96,9	96,4	93,2	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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2717 K	96,7	84,2	93,5	99,8	94,3	84	0,457	0,407	-0,0010

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TM30 DETAILS

PROLiGHTS

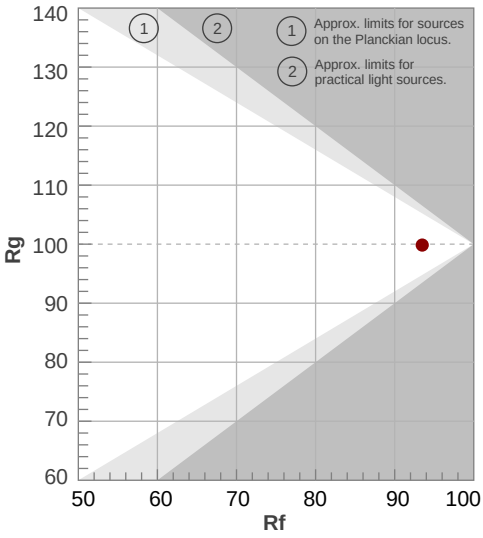
Rf 93,5

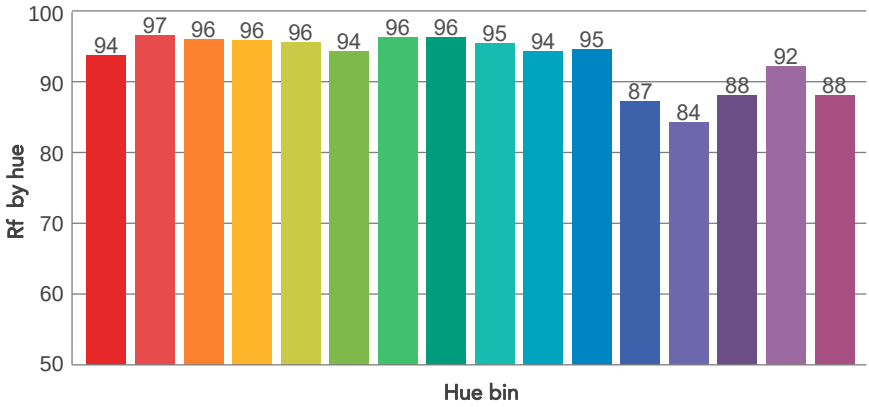
Fidelity index Rf

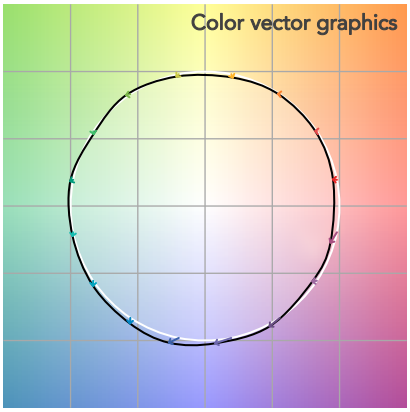
Rg 99,8

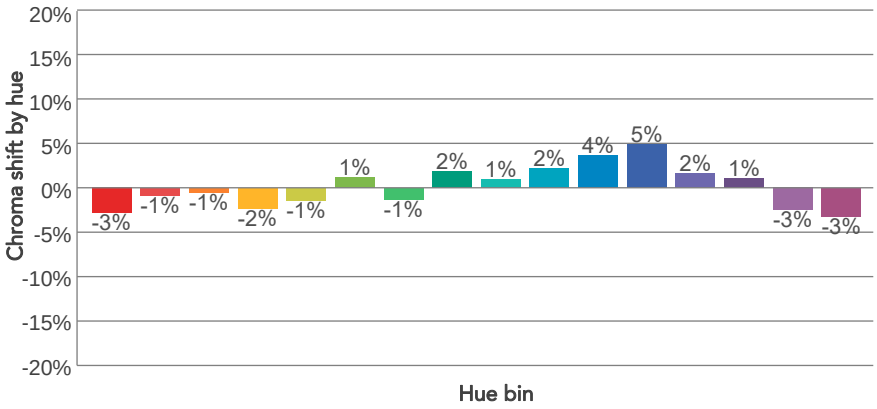
Gammut index

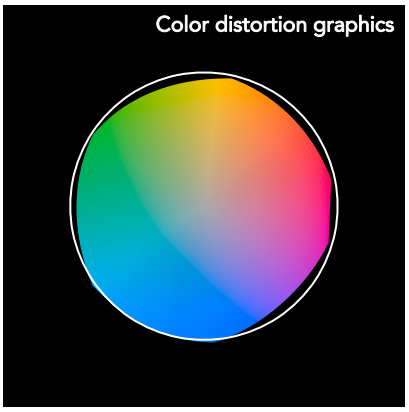
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	94	-3%	1%
2	97	-1%	1%
3	96	-1%	1%
4	96	-2%	-2%
5	96	-1%	2%
6	94	1%	3%
7	96	-1%	2%
8	96	2%	1%
9	95	1%	3%
10	94	2%	3%
11	95	4%	2%
12	87	5%	-6%
13	84	2%	-12%
14	88	1%	-10%
15	92	-3%	-2%
16	88	-3%	-8%

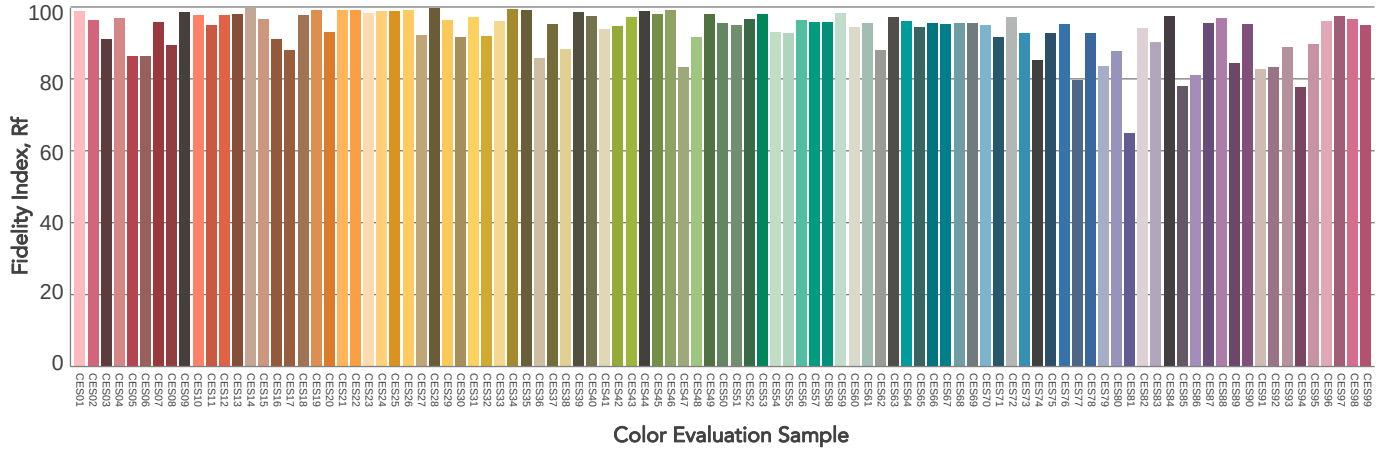












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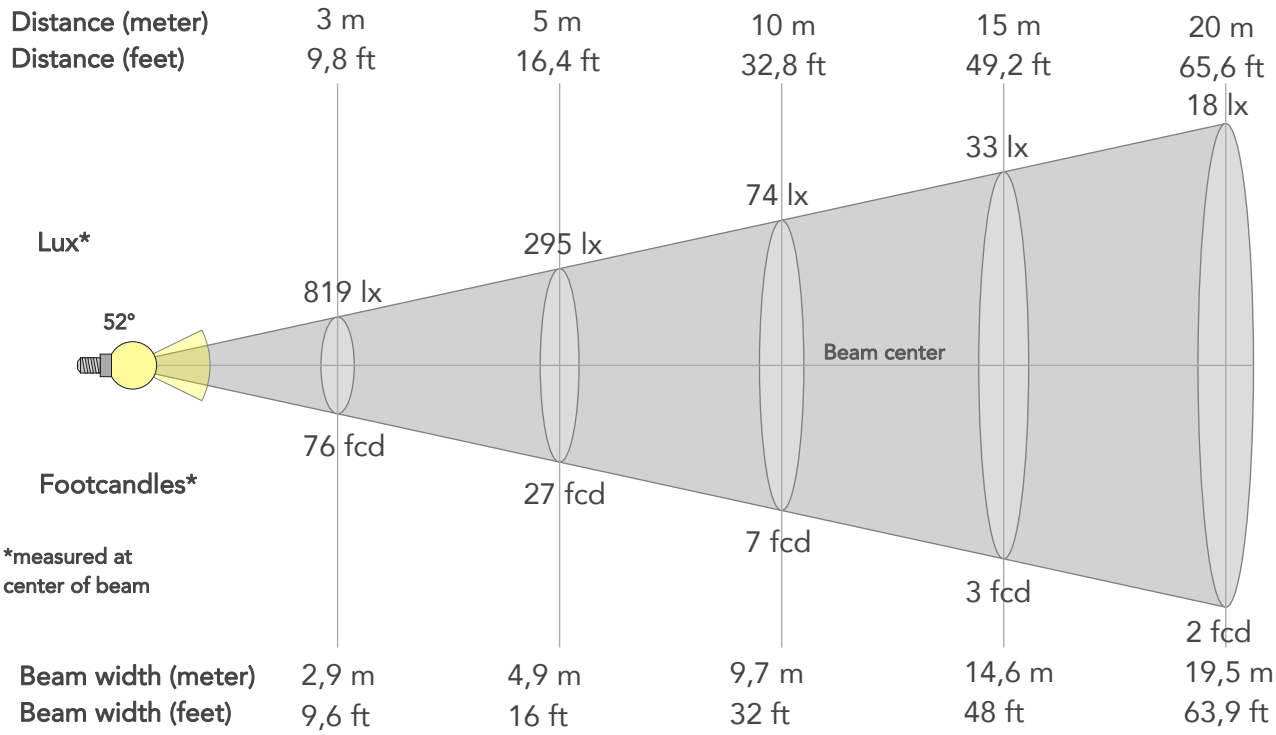
BEAM DETAILS

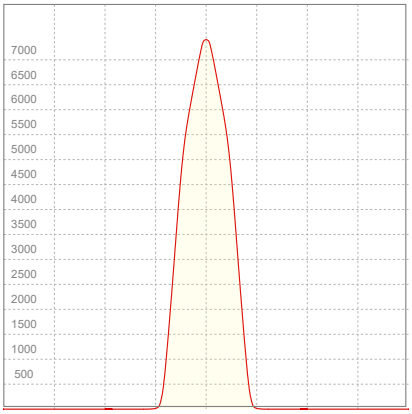
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52°	73,6°	80,8°	100,0%	99,9%



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	7372lx	1843lx	819lx	461lx	295lx	131lx	74lx	33lx	18lx	12lx	8lx	5lx	3lx
Footcand.	685fcd	171fcd	76fcd	43fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	1,9m	2,9m	3,9m	4,9m	7,3m	9,7m	14,6m	19,5m	24,4m	29,2m	39m	48,7m
Beam wid.	3,2ft	6,4ft	9,6ft	12,8ft	16ft	24ft	32ft	48ft	63,9ft	79,9ft	95,9ft	127,9ft	159,9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,839A	190,1W	26lm/W

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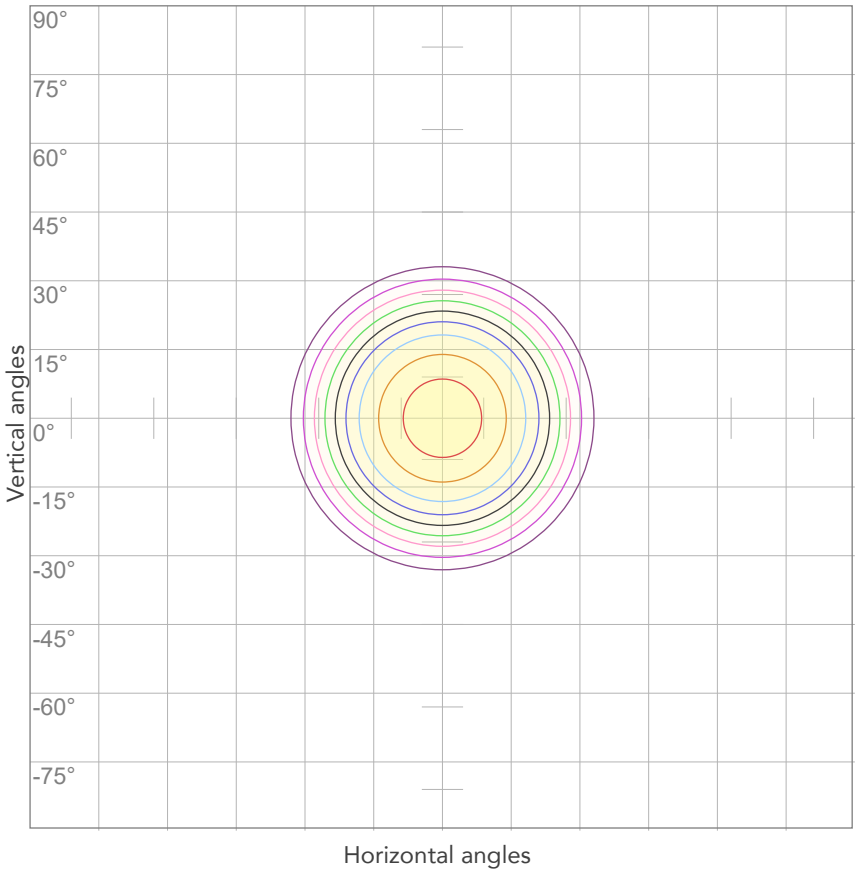
ISO DIAGRAMS

ISO CANDELA DIAGRAM



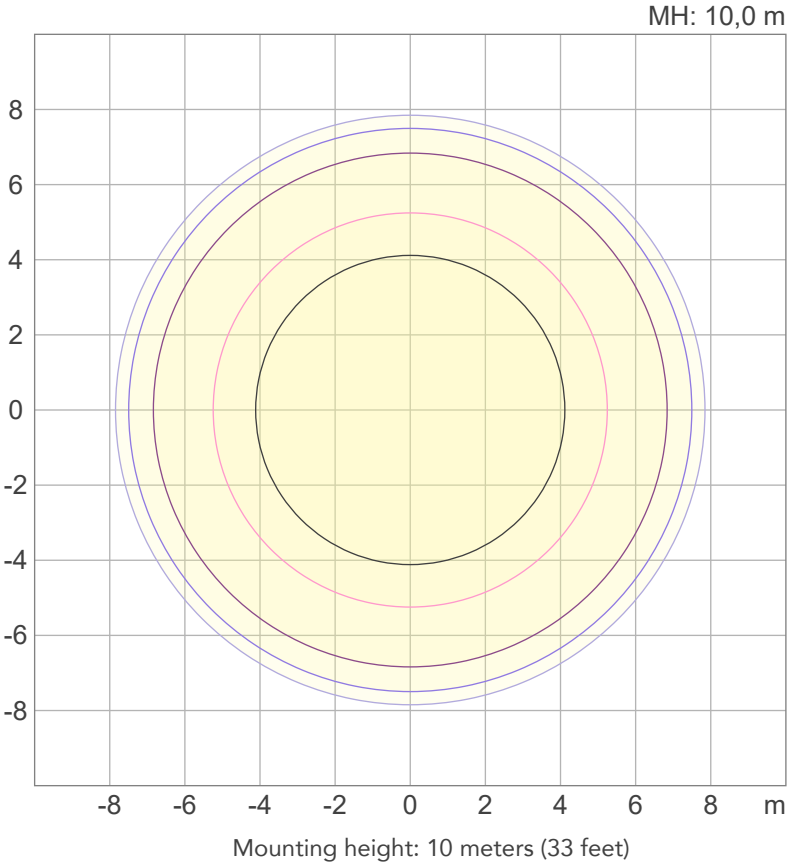
10%	737 cd
20%	1474 cd
30%	2211 cd
40%	2949 cd
50%	3686 cd
60%	4423 cd
70%	5160 cd
80%	5897 cd

Conditions:

Number of c-planes: 2

Candela at center: 7372 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,21 lx
5%	3,69 lx
10%	7,37 lx
30%	22,1 lx
50%	36,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 73,7 lx

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

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Total lumen output:

3568 lm

Peak candela output:

24920 cd

Light quality:

CRI: 96,8

Color temperature:

2777 K

PRODUCT NAME:

ECLFRCTPS

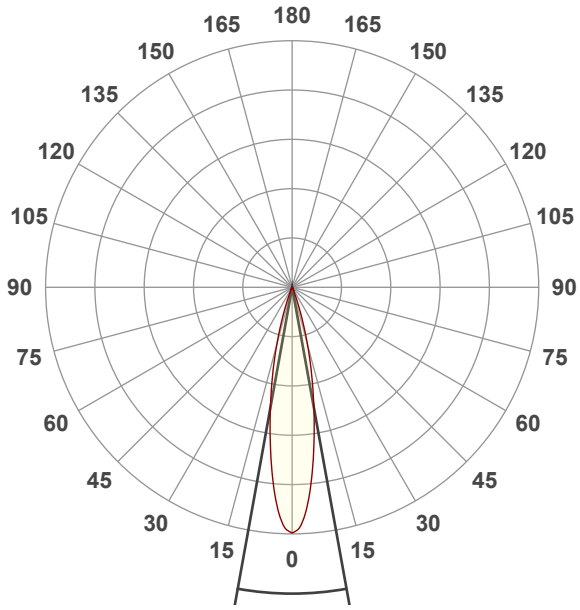
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
2800K - **HQ**

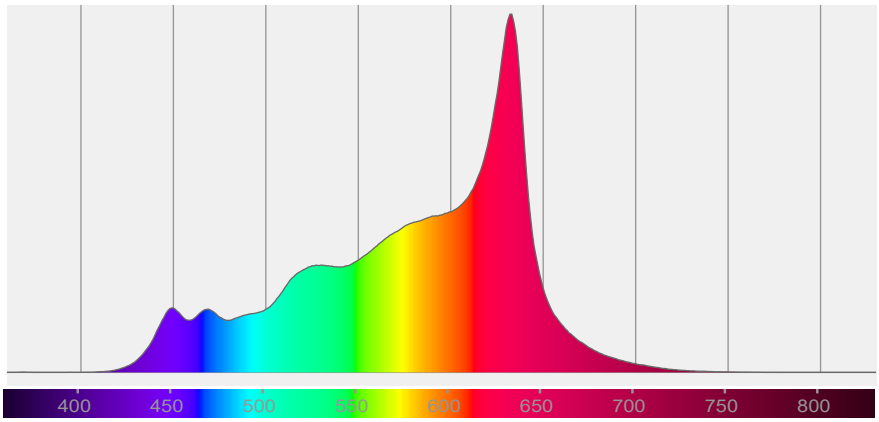
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:38:02

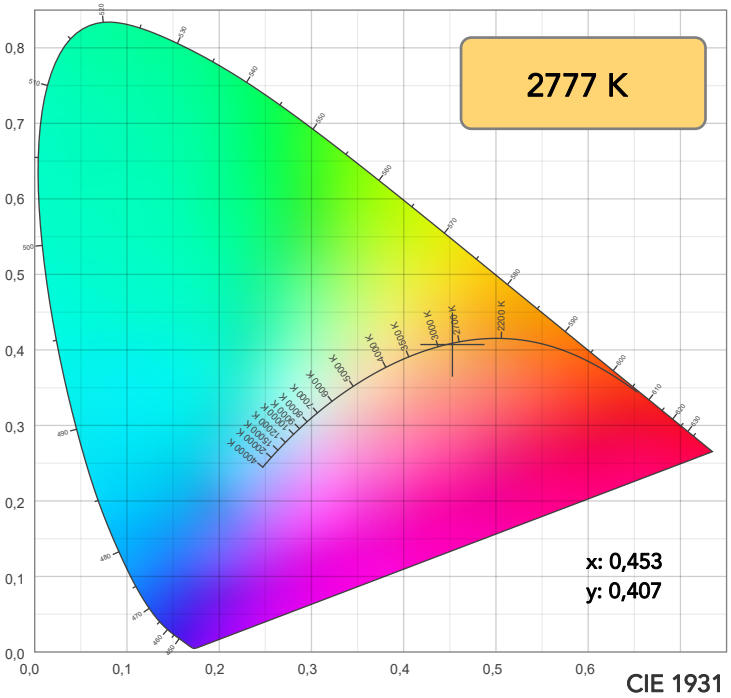


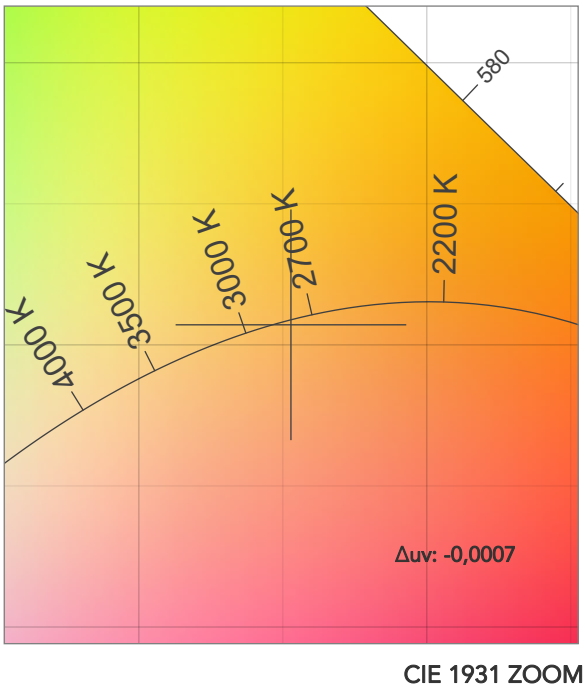
Beam angle 50%: 20,5°
Field angle 10%: 37°
Cut off angle 2.5%: 44,8°

Spectra

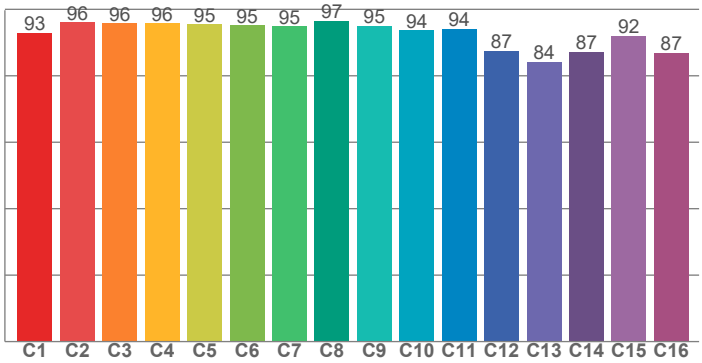


COLOR DETAILS

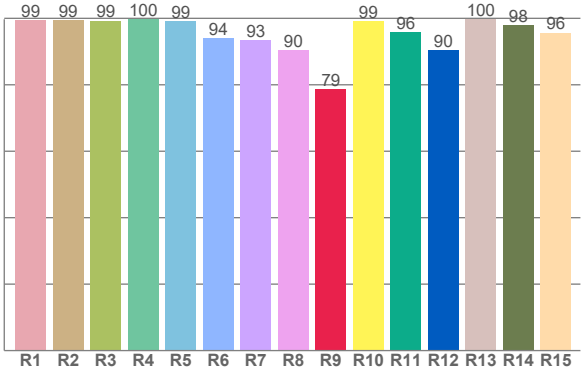




TM30: 93,1



CRI: 96,8 (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
99,3	99,3	99,3	99,7	99,1	93,9	93,5	90,3	78,7	99,1	95,8	90,4	99,7	97,9	95,7

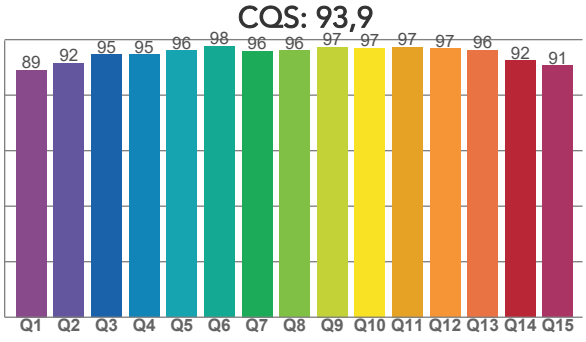
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,9	96,0	95,8	95,8	95,5	95,2	94,9	96,5	95,1	93,7	94,2	87,4	84,2	87,2	92,0	86,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,1	91,5	94,6	94,7	96,0	97,6	95,9	96,0	97,3	97,0	97,3	96,8	96,3	92,4	90,7

CQS: 93,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2777 K	96,8	78,7	93,1	99,4	93,9	84	0,453	0,407	-0,0007

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TM30 DETAILS

PROLiGHTS

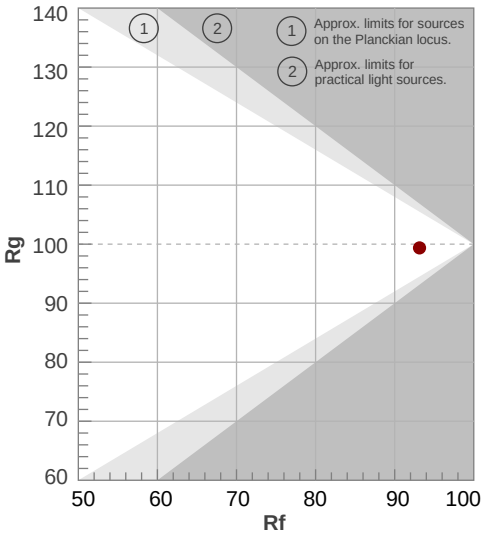
Rf 93,1

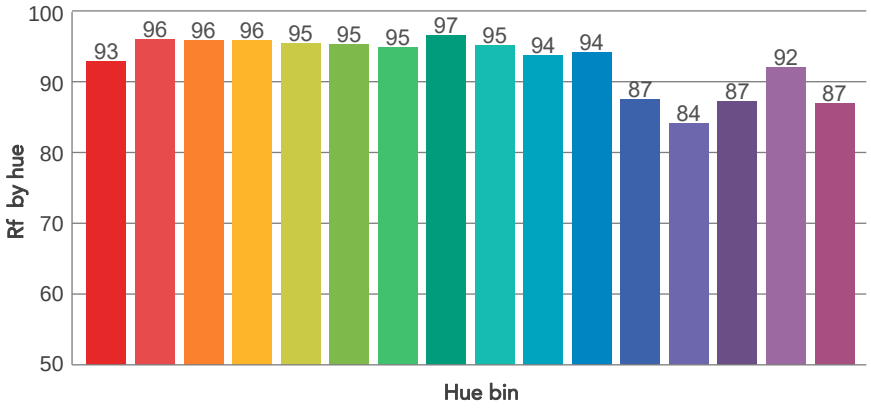
Fidelity index Rf

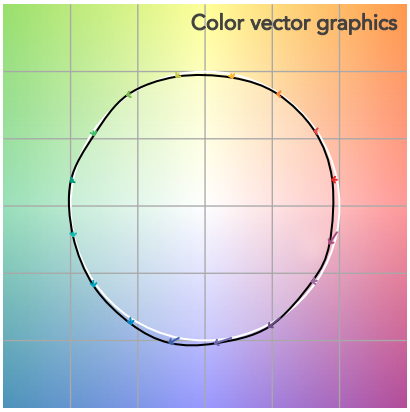
Rg 99,4

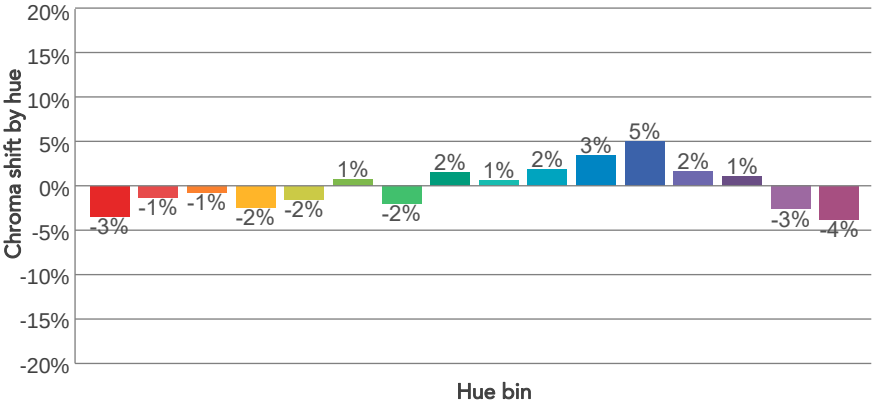
Gammut index

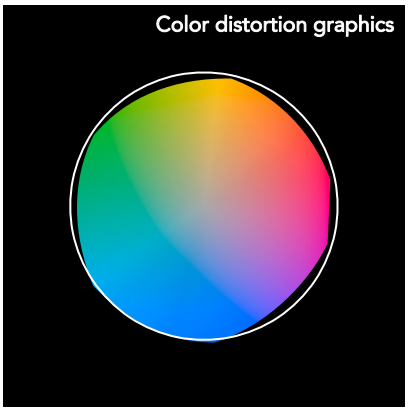
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	93	-3%	1%
2	96	-1%	1%
3	96	-1%	1%
4	96	-2%	-1%
5	95	-2%	2%
6	95	1%	2%
7	95	-2%	2%
8	97	2%	2%
9	95	1%	3%
10	94	2%	4%
11	94	3%	3%
12	87	5%	-6%
13	84	2%	-13%
14	87	1%	-11%
15	92	-3%	-3%
16	87	-4%	-9%

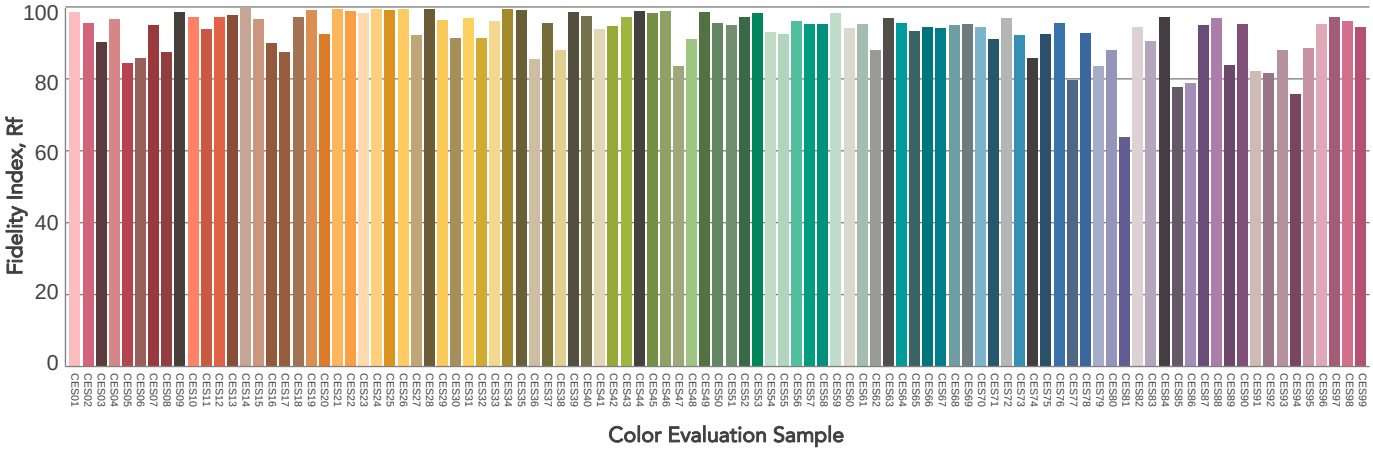












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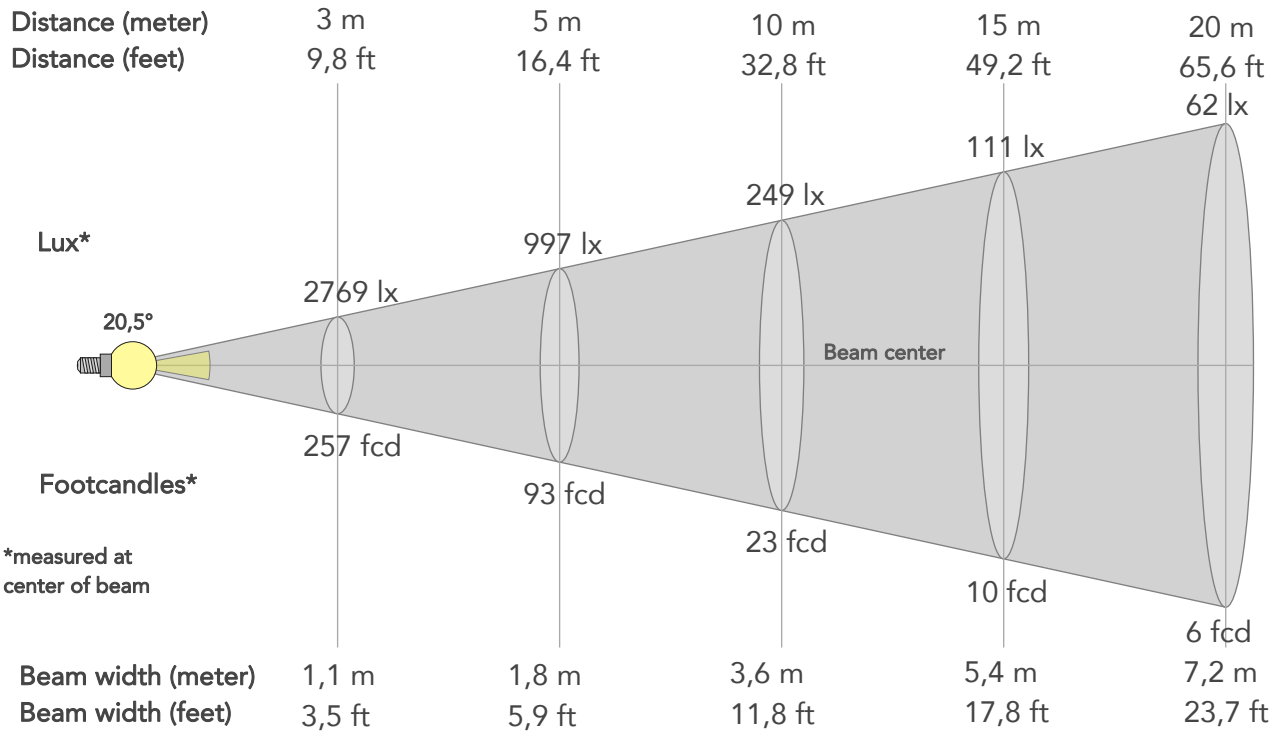
BEAM DETAILS

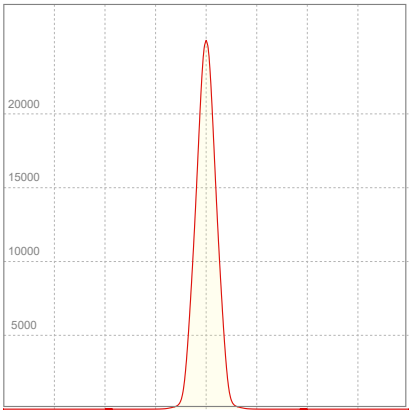
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,5°	37°	44,8°	100,0%	100,0%



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	24920lx	6230lx	2769lx	1558lx	997lx	443lx	249lx	111lx	62lx	40lx	28lx	16lx	10lx
Footcand.	2315fcd	579fcd	257fcd	145fcd	93fcd	41fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,4m	18m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,9ft	11,8ft	17,8ft	23,7ft	29,6ft	35,5ft	47,4ft	59,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,811A	183W	19lm/W

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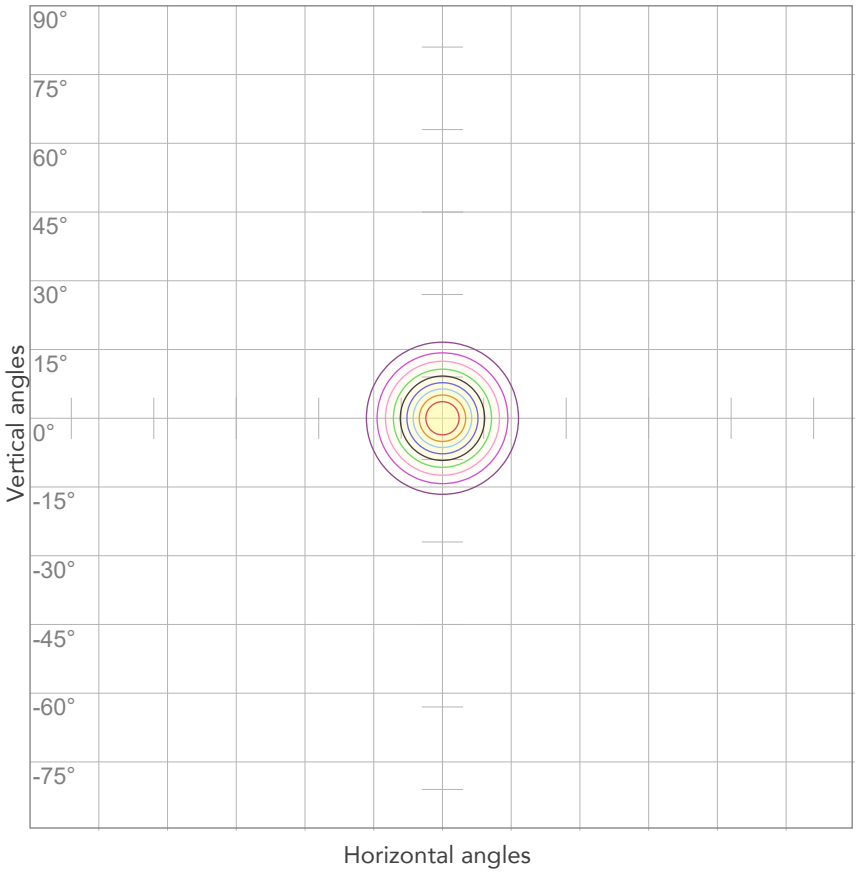
ISO DIAGRAMS

ISO CANDELA DIAGRAM



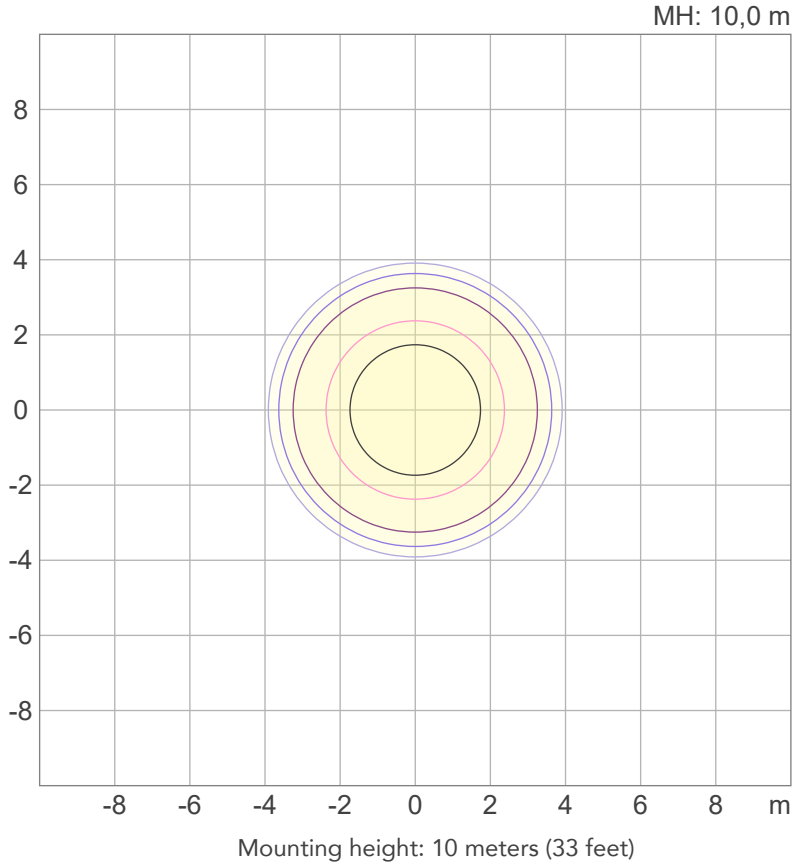
10%	2492 cd
20%	4984 cd
30%	7476 cd
40%	9968 cd
50%	12460 cd
60%	14952 cd
70%	17444 cd
80%	19936 cd

Conditions:

Number of c-planes: 2

Candela at center: 24920 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	7,48 lx
5%	12,5 lx
10%	24,9 lx
30%	74,8 lx
50%	125 lx

Conditions:

Number of c-planes: 2

Lux at center: 249 lx

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

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Total lumen output:

1963 lm

Peak candela output:

58694 cd

Light quality:

CRI: 96,7

Color temperature:

2769 K

PRODUCT NAME:

ECLFRCTPS

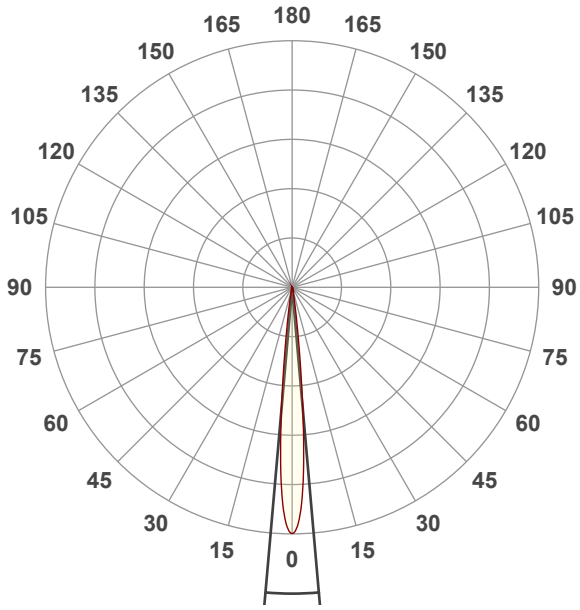
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
2800K - **HQ**

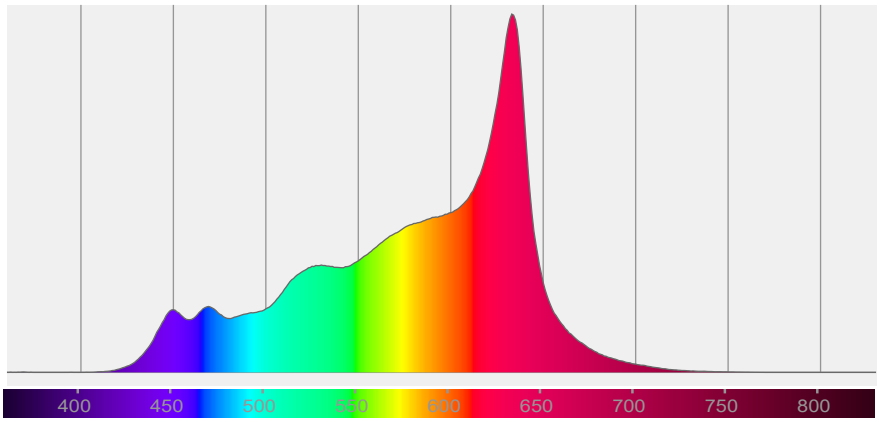
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:53:20

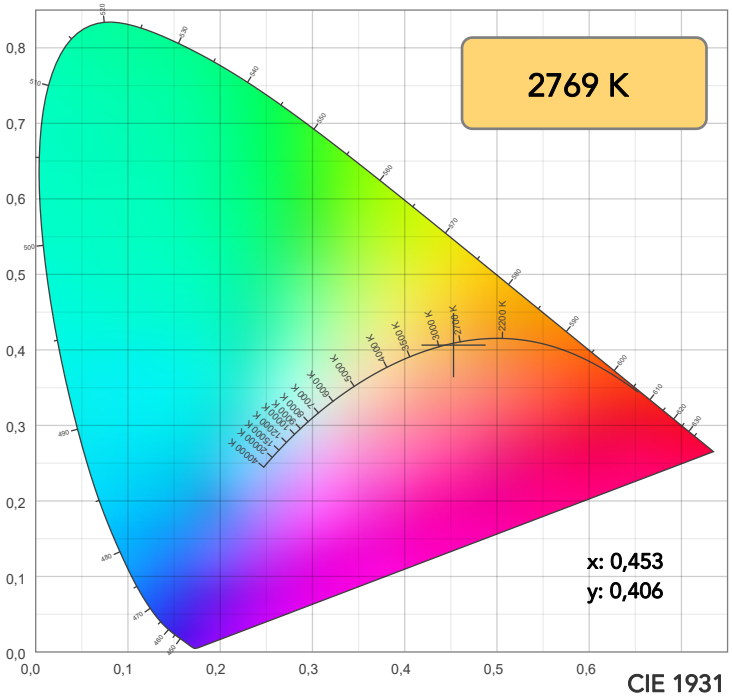


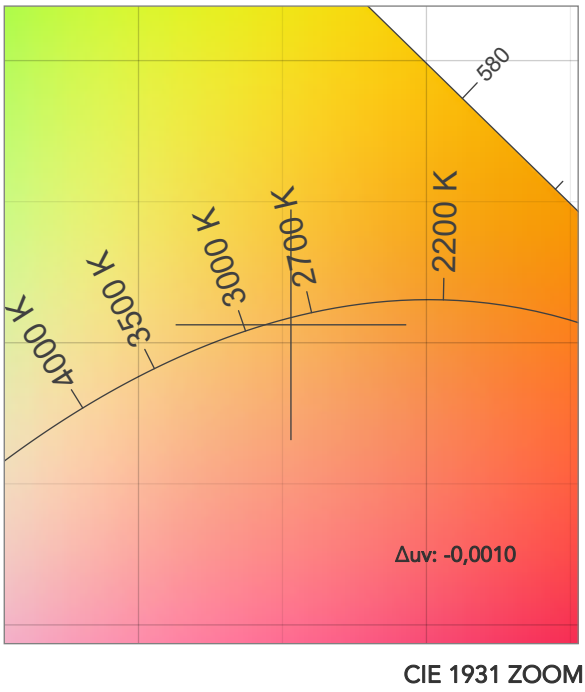
Beam angle 50%: 10°
Field angle 10%: 16,8°
Cut off angle 2.5%: 22,8°

Spectra

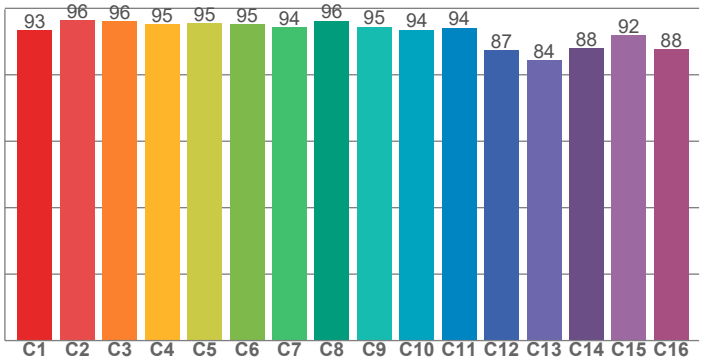


COLOR DETAILS

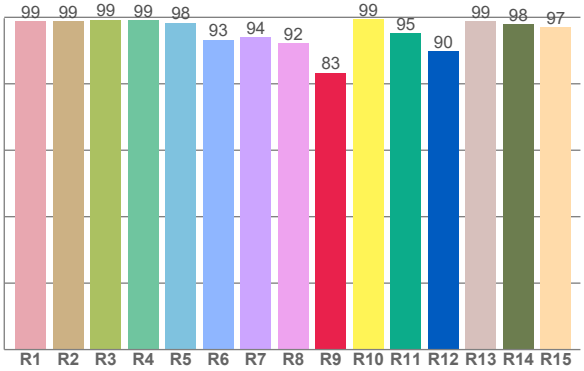




TM30: 93,2



CRI: 96,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,7	98,7	99,3	99,1	98,4	93,3	94,0	92,2	83,3	99,5	95,2	89,9	98,9	97,9	97,0

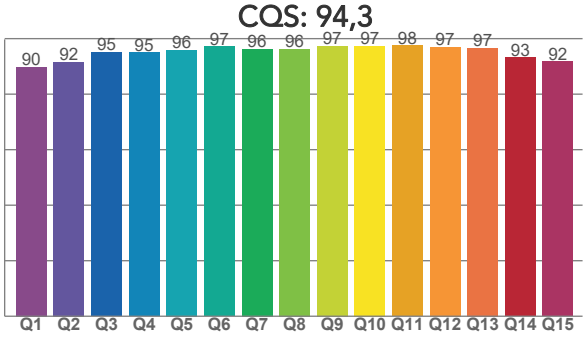
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	96,4	96,1	95,2	95,4	95,2	94,3	96,3	94,5	93,5	94,1	87,4	84,3	87,9	91,9	87,7

CQS Q values

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

CQS: 94,3



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2769 K	96,7	83,3	93,2	99,4	94,3	85	0,453	0,406	-0,0010

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TM30 DETAILS

PROLiGHTS

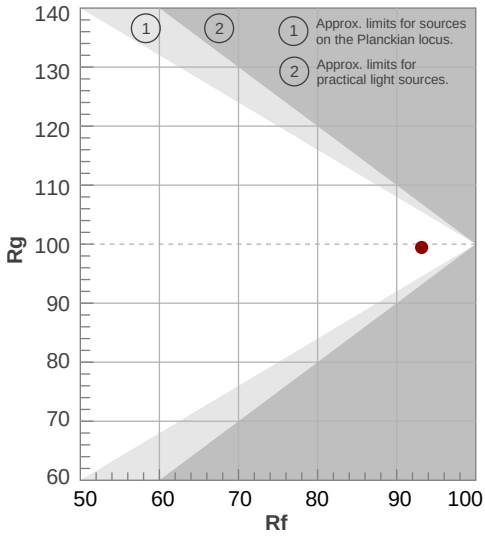
Rf 93,2

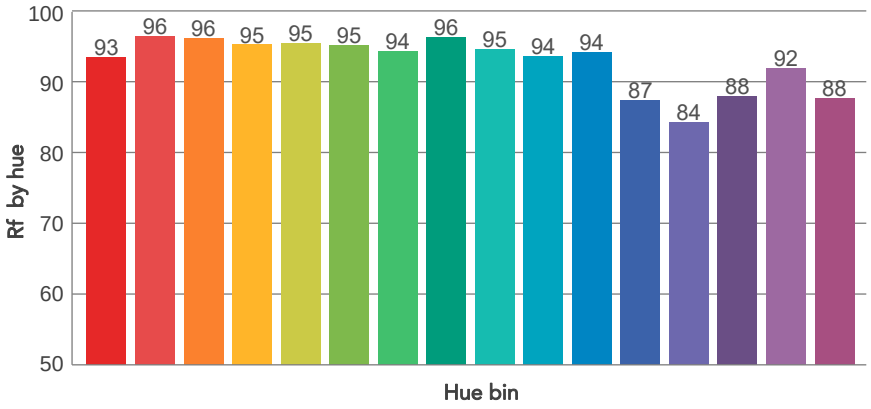
Fidelity index Rf

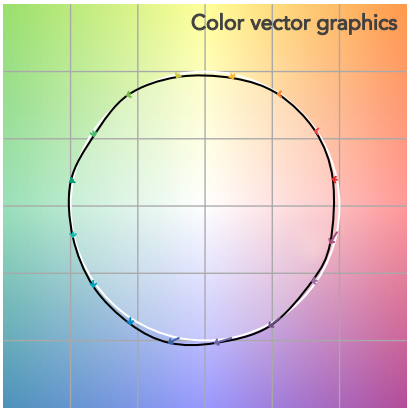
Rg 99,4

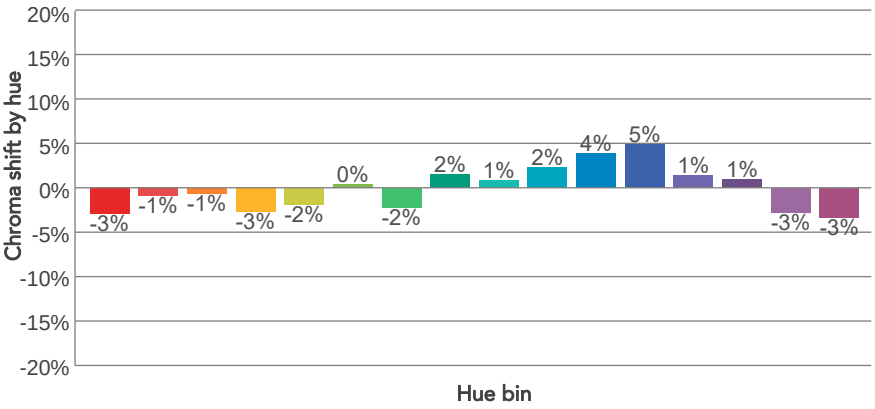
Gammut index

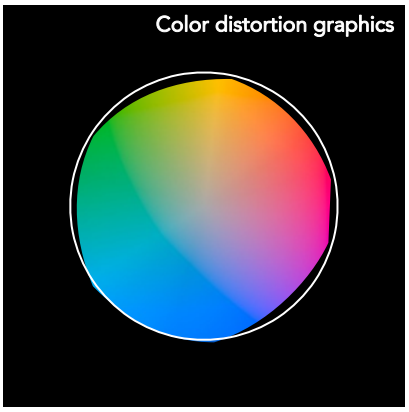
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	93	-3%	1%
2	96	-1%	1%
3	96	-1%	1%
4	95	-3%	-2%
5	95	-2%	2%
6	95	0%	2%
7	94	-2%	2%
8	96	2%	2%
9	95	1%	3%
10	94	2%	4%
11	94	4%	2%
12	87	5%	-6%
13	84	1%	-12%
14	88	1%	-10%
15	92	-3%	-2%
16	88	-3%	-9%

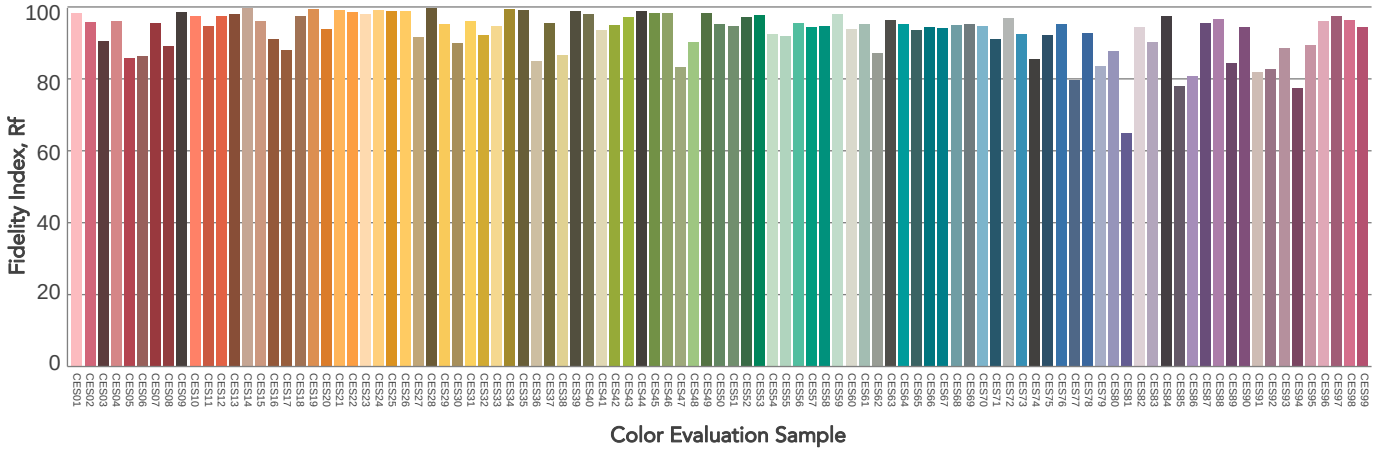












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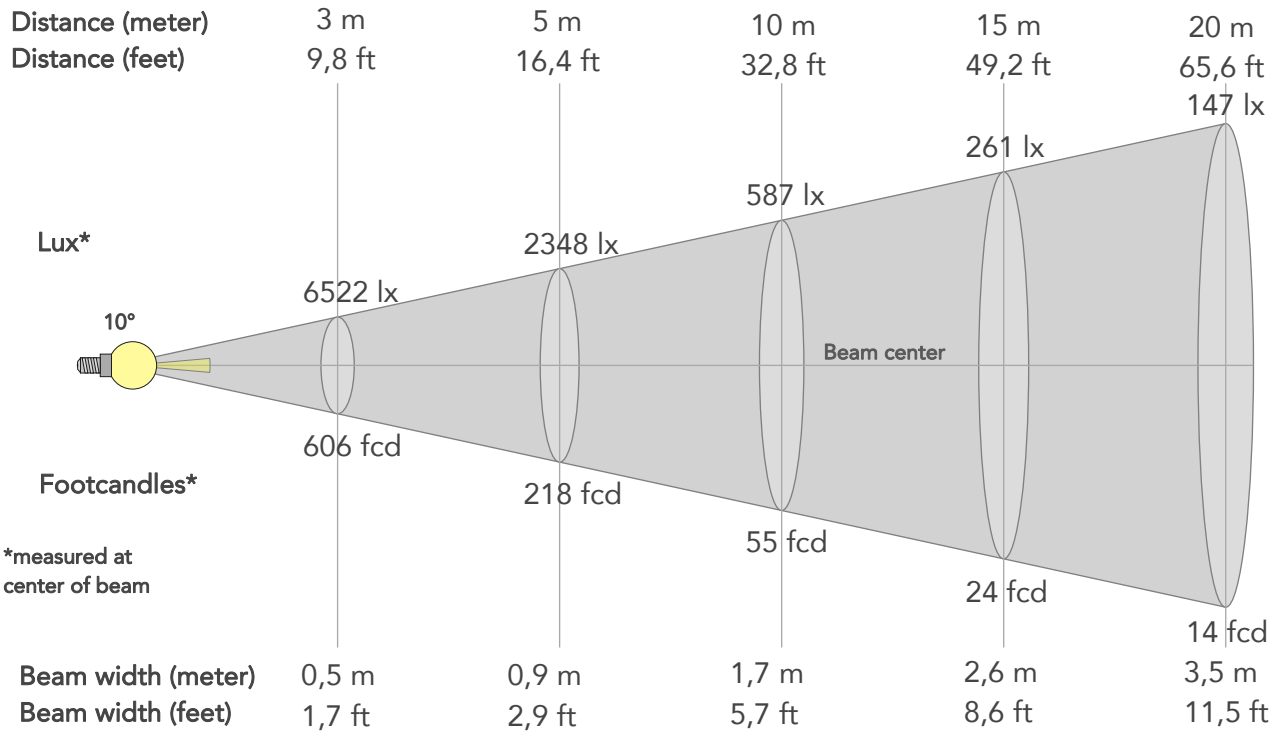
BEAM DETAILS

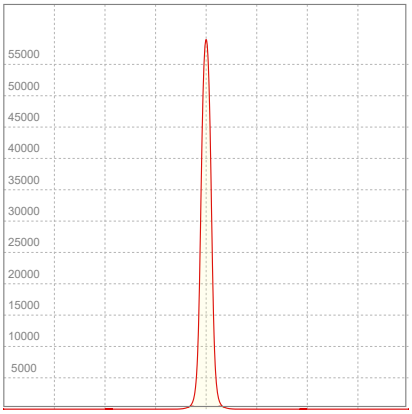
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	16,8°	22,8°	100,0%	100,0%



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	58694lx	14673lx	6522lx	3668lx	2348lx	1043lx	587lx	261lx	147lx	94lx	65lx	37lx	23lx
Footcand.	5453fcd	1363fcd	606fcd	341fcd	218fcd	97fcd	55fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
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	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,5ft	14,3ft	17,2ft	22,9ft	28,7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,834A	189W	10lm/W

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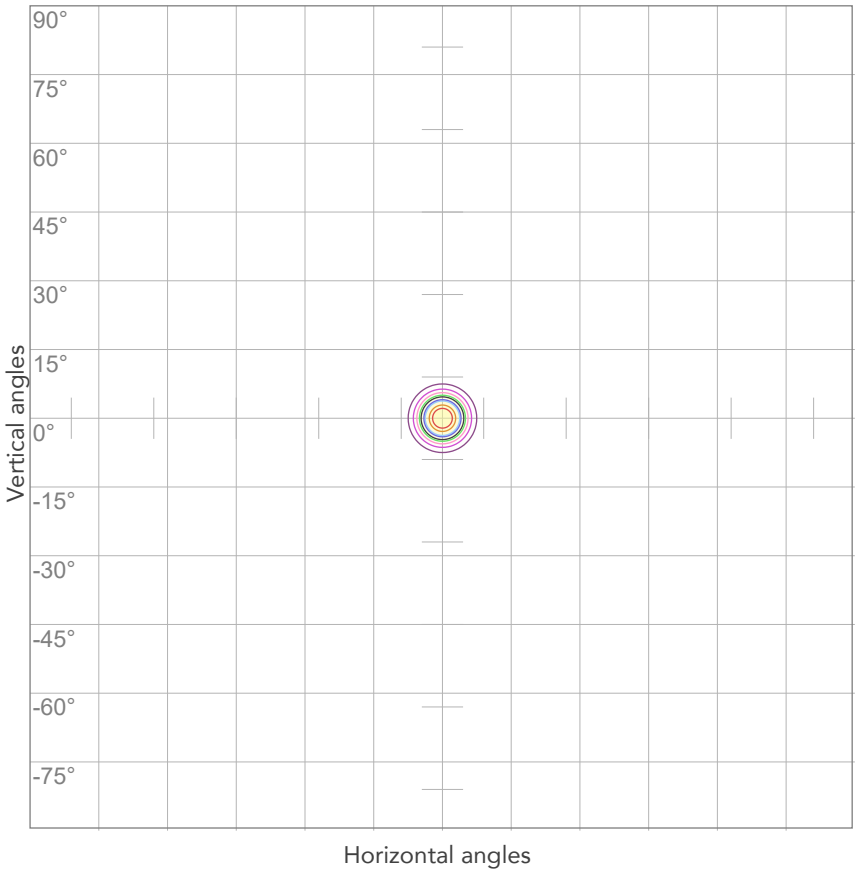
ISO DIAGRAMS

ISO CANDELA DIAGRAM



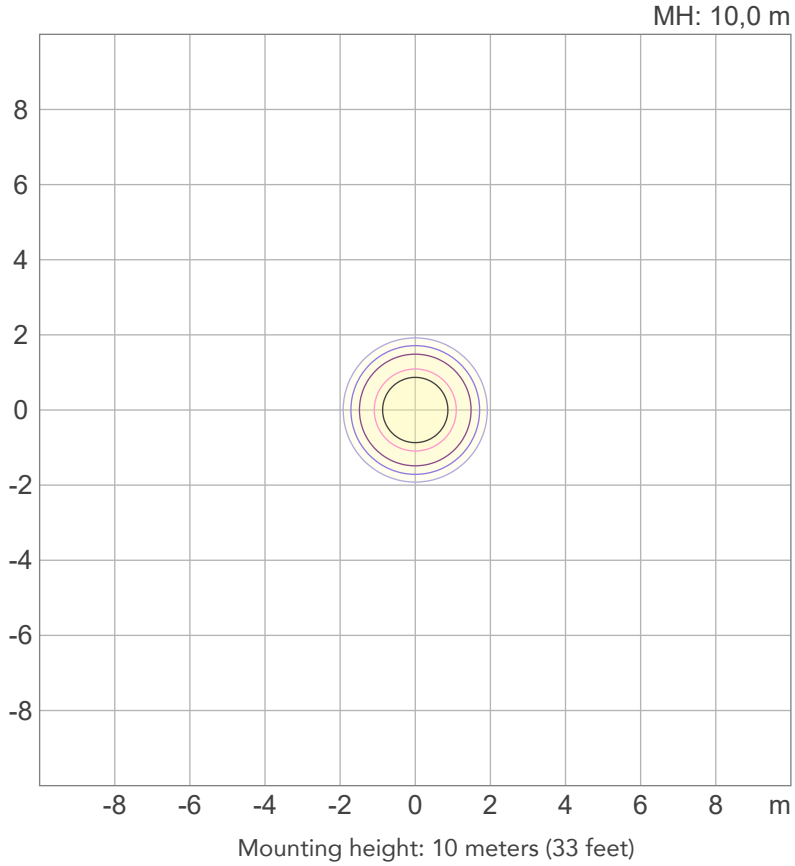
10%	5869 cd
20%	11739 cd
30%	17608 cd
40%	23478 cd
50%	29347 cd
60%	35216 cd
70%	41086 cd
80%	46955 cd

Conditions:

Number of c-planes: 2

Candela at center: 58694 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	17,6 lx
5%	29,3 lx
10%	58,7 lx
30%	176 lx
50%	293 lx

Conditions:

Number of c-planes: 2

Lux at center: 587 lx

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

Total lumen output:

4868 lm

Peak candela output:

7361 cd

Light quality:

CRI: 96,6

Color temperature:

3111 K

PRODUCT NAME:

ECLFRCTPS

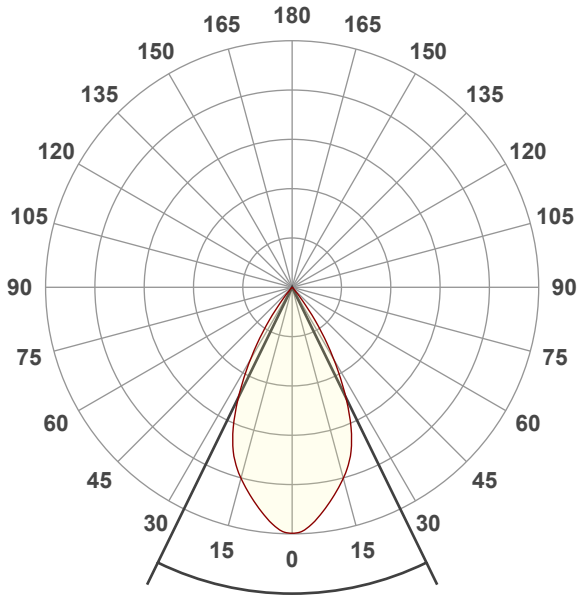
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
3200K - **HQ**

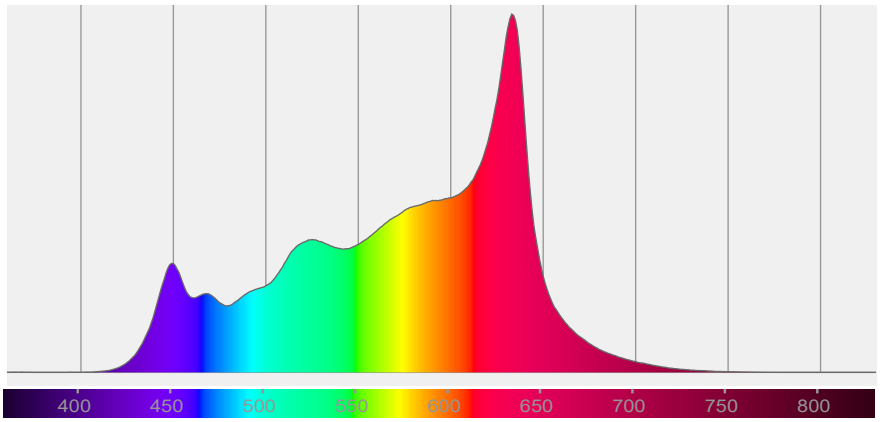
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:56:02



Beam angle 50%: 52°
Field angle 10%: 73,6°
Cut off angle 2.5%: 80,8°

Spectra



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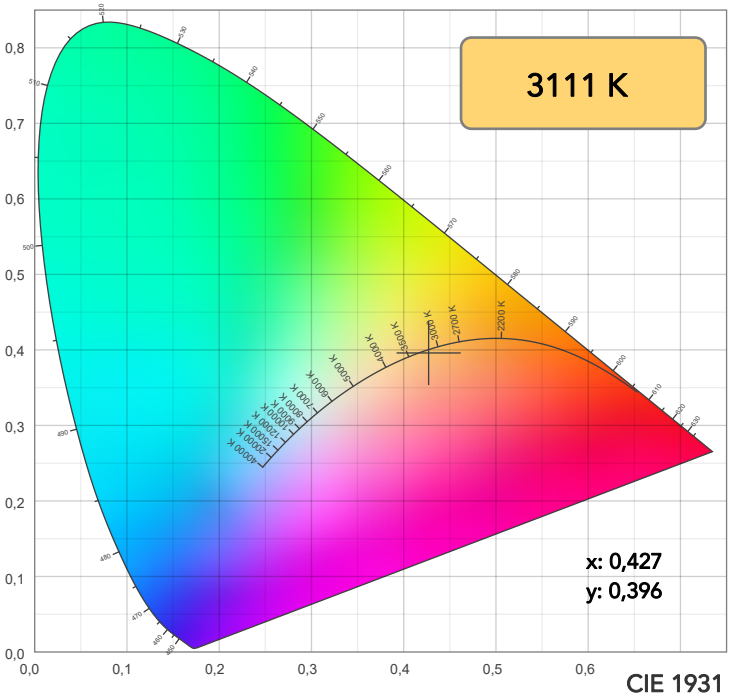
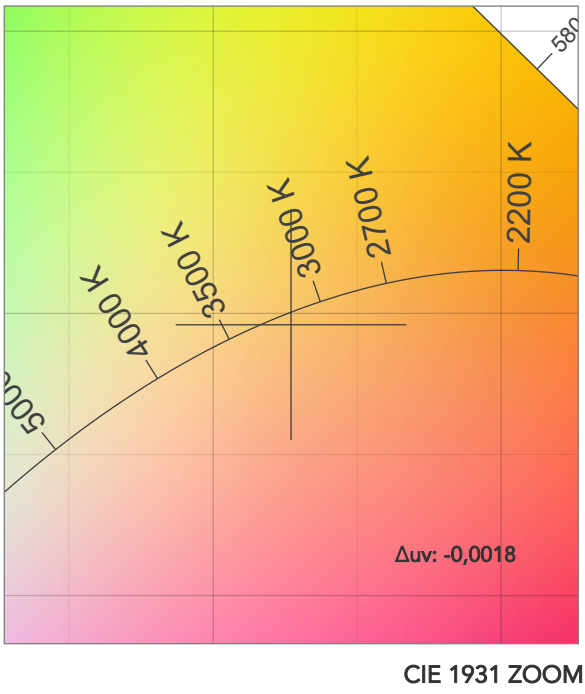
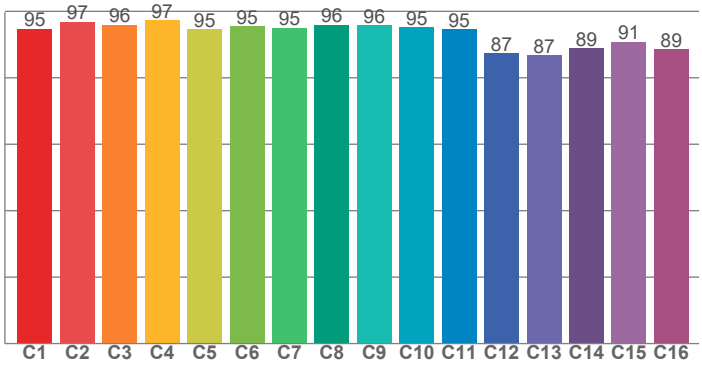
COLOR DETAILS

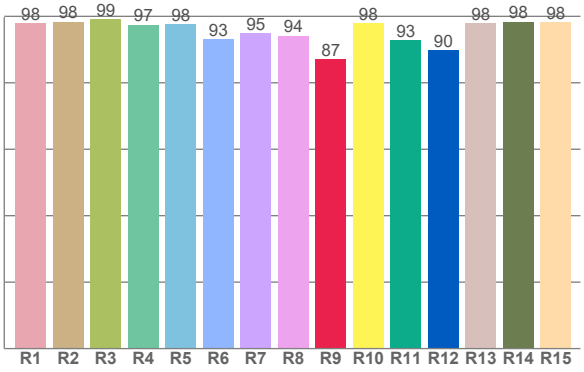




TM30: 94,0



CRI: 96,6 (R1-R8)



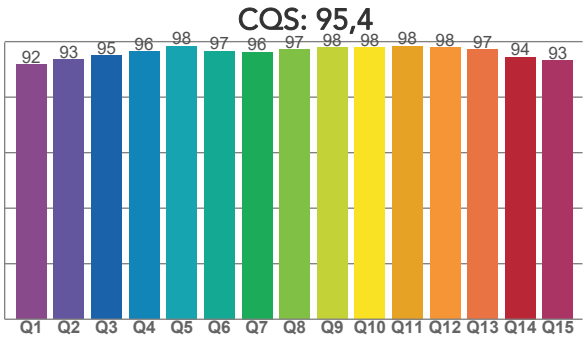
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,8	98,4	99,2	97,5	97,5	93,2	95,0	94,1	87,1	97,9	92,7	89,8	98,0	98,3	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
94,7	96,9	95,9	97,3	94,6	95,4	95,0	95,9	95,8	95,1	94,6	87,3	86,8	88,8	90,7	88,6

CQS: 95,4



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,7	93,5	94,9	96,4	98,4	96,7	96,2	97,2	97,9	97,9	98,4	97,9	97,2	94,4	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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3111 K	96,6	87,1	94,0	100,9	95,4	87	0,427	0,396	-0,0018

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TM30 DETAILS

PROLiGHTS

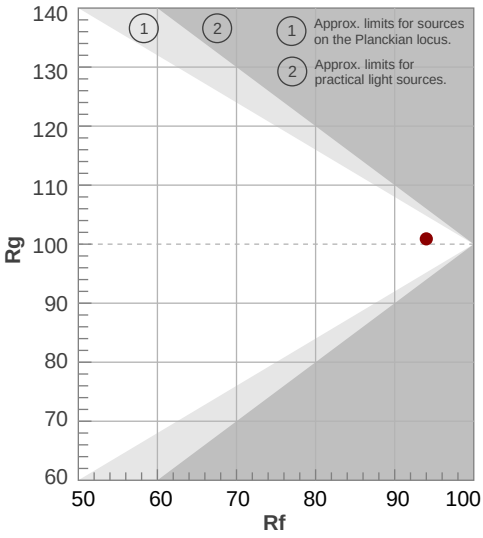
Rf 94,0

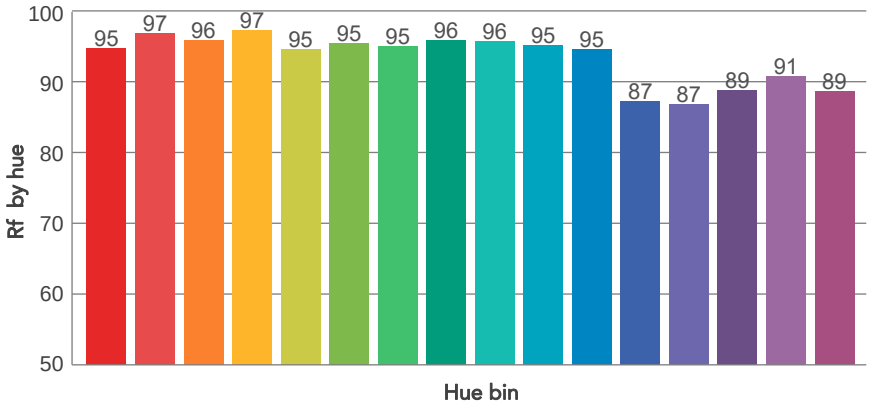
Fidelity index Rf

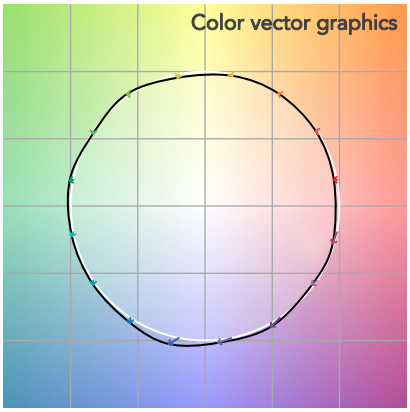
Rg 100,9

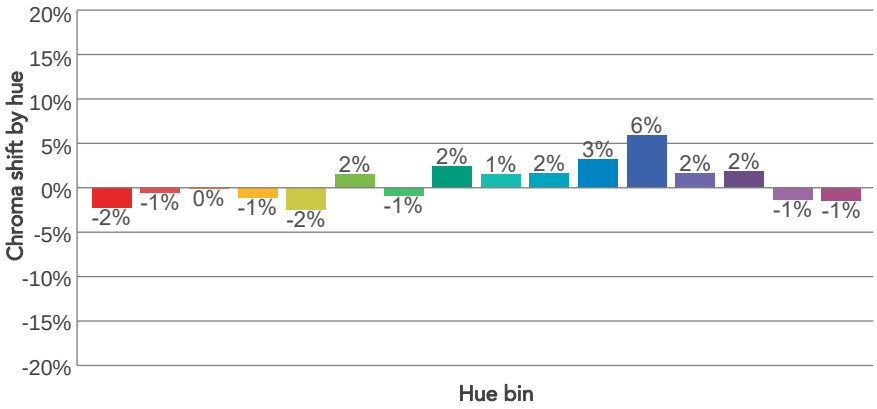
Gammut index

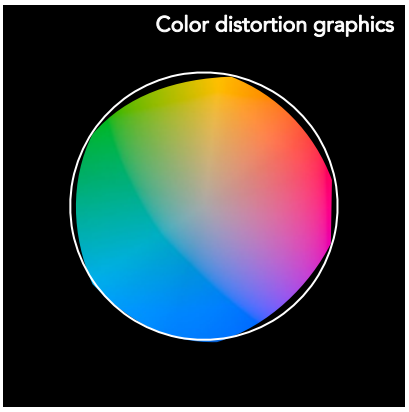
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	96	0%	1%
4	97	-1%	-1%
5	95	-2%	1%
6	95	2%	2%
7	95	-1%	2%
8	96	2%	1%
9	96	1%	3%
10	95	2%	2%
11	95	3%	2%
12	87	6%	-6%
13	87	2%	-10%
14	89	2%	-9%
15	91	-1%	-4%
16	89	-1%	-9%

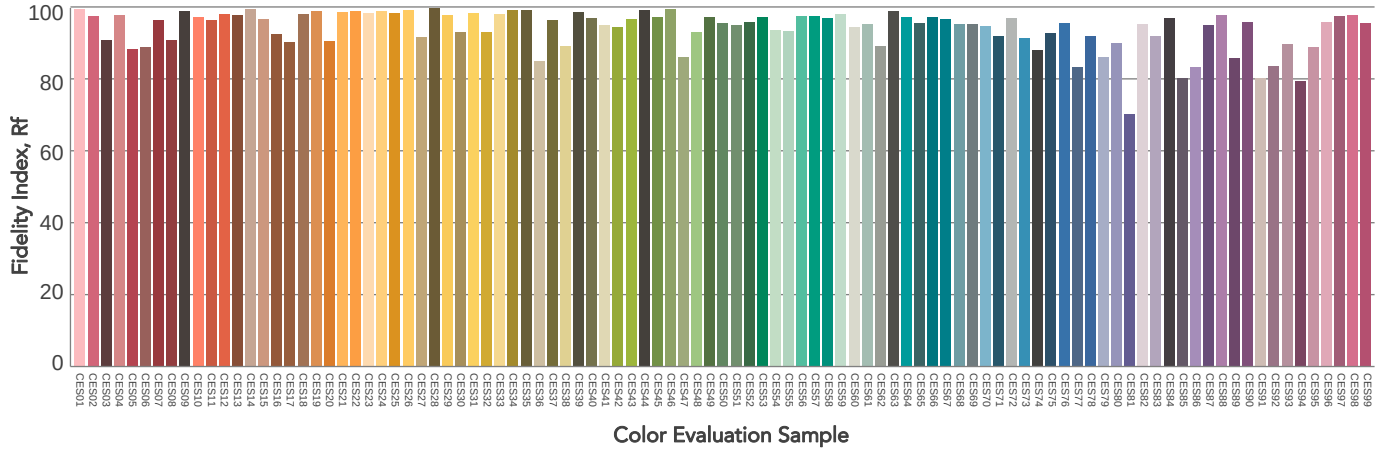












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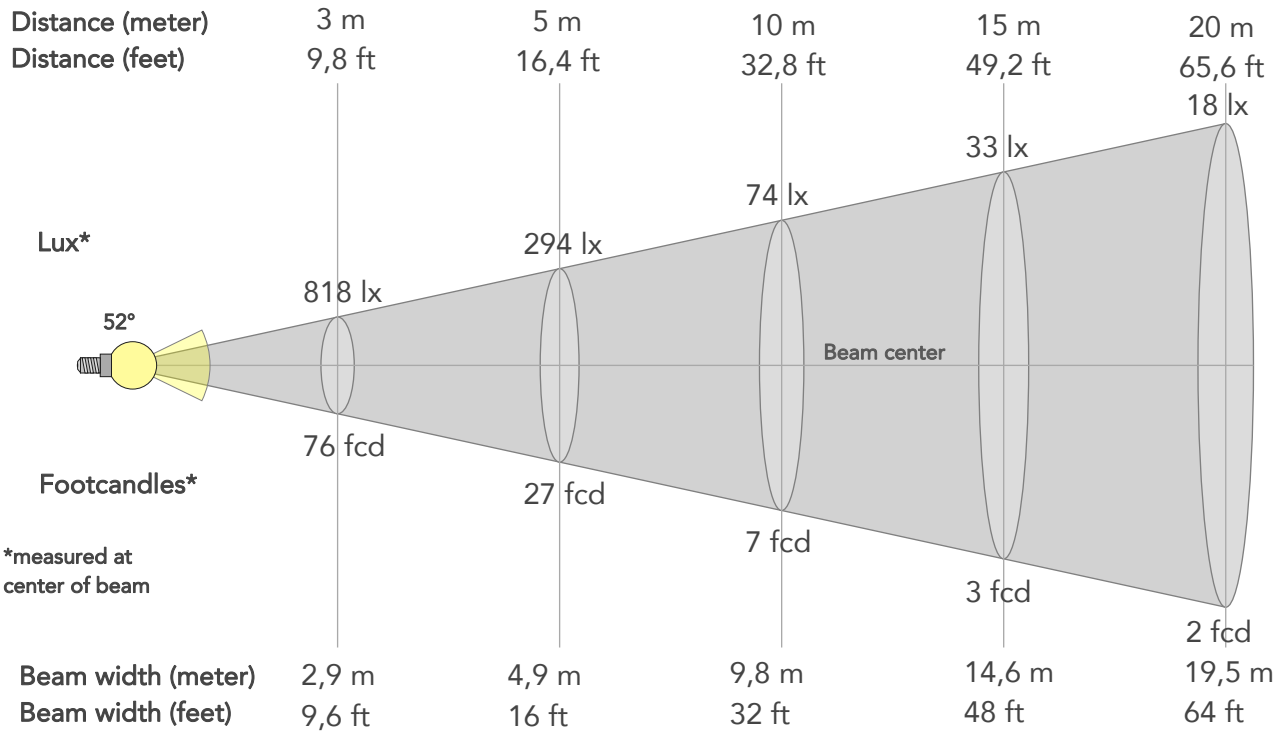
BEAM DETAILS

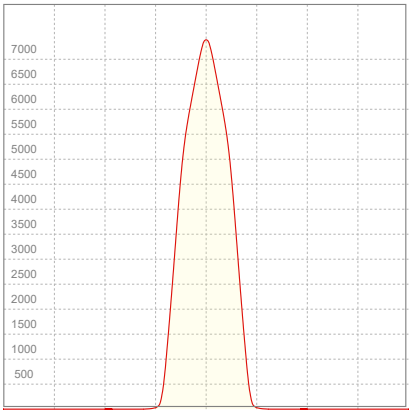
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52°	73,6°	80,8°	100,0%	99,8%



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	7361lx	1840lx	818lx	460lx	294lx	131lx	74lx	33lx	18lx	12lx	8lx	5lx	3lx
Footcand.	684fcd	171fcd	76fcd	43fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,3m	9,8m	14,6m	19,5m	24,4m	29,3m	39m	48,8m
Beam wid.	3,2ft	6,4ft	9,6ft	12,8ft	16ft	24ft	32ft	48ft	64ft	80ft	96ft	128ft	160ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
229V	0,833A	189,2W	26lm/W

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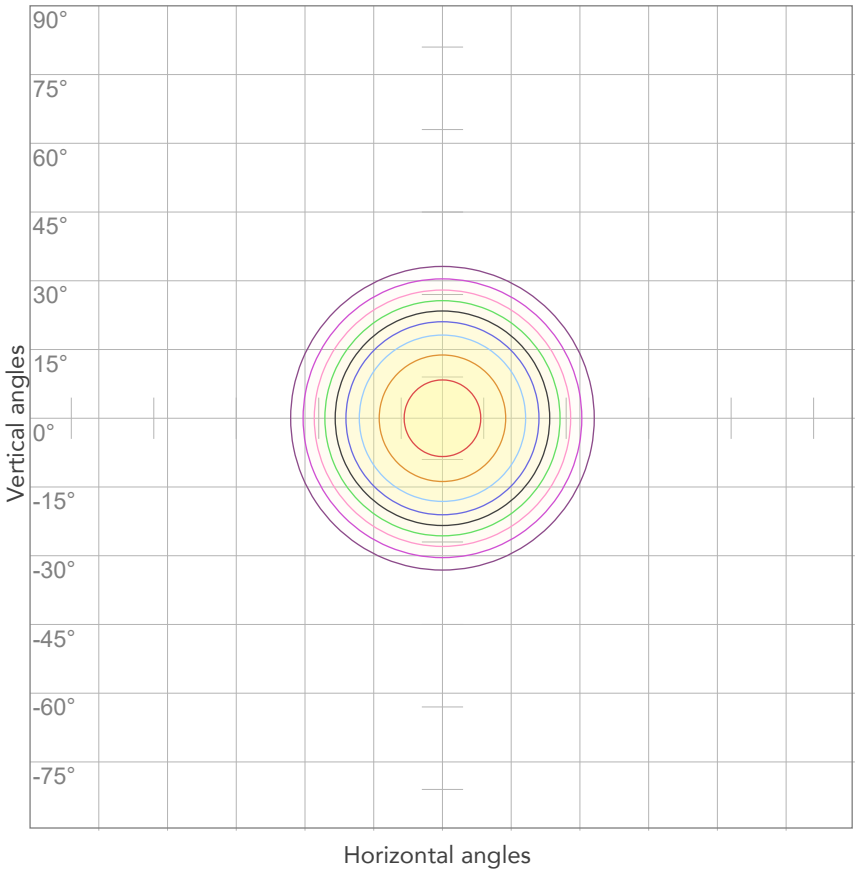
ISO DIAGRAMS

ISO CANDELA DIAGRAM



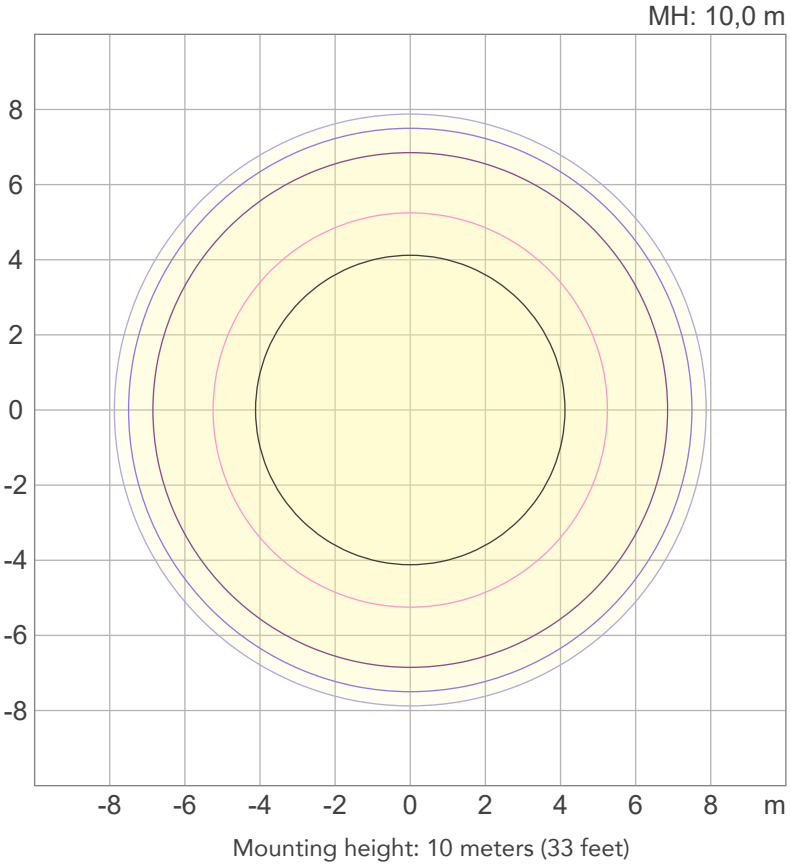
10%	736 cd
20%	1472 cd
30%	2208 cd
40%	2944 cd
50%	3680 cd
60%	4416 cd
70%	5153 cd
80%	5889 cd

Conditions:

Number of c-planes: 2

Candela at center: 7361 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

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

Conditions:

Number of c-planes: 2

Lux at center: 73,6 lx

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

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Total lumen output:

3540 lm

Peak candela output:

24810 cd

Light quality:

CRI: 96,7

Color temperature:

3153 K

PRODUCT NAME:

ECLFRCTPS

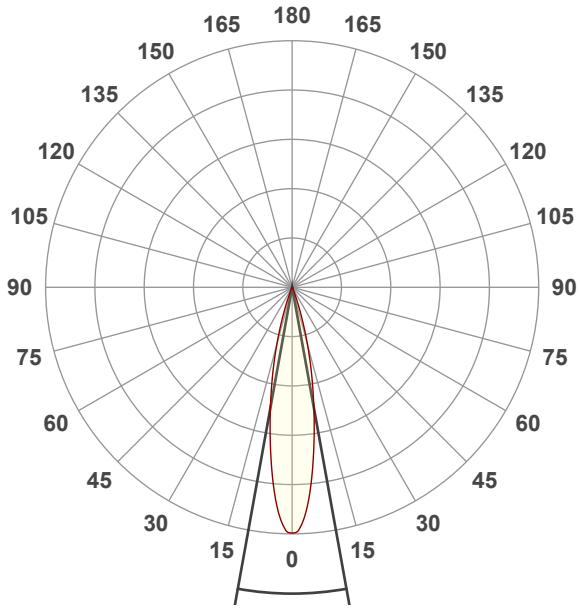
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
3200K - **HQ**

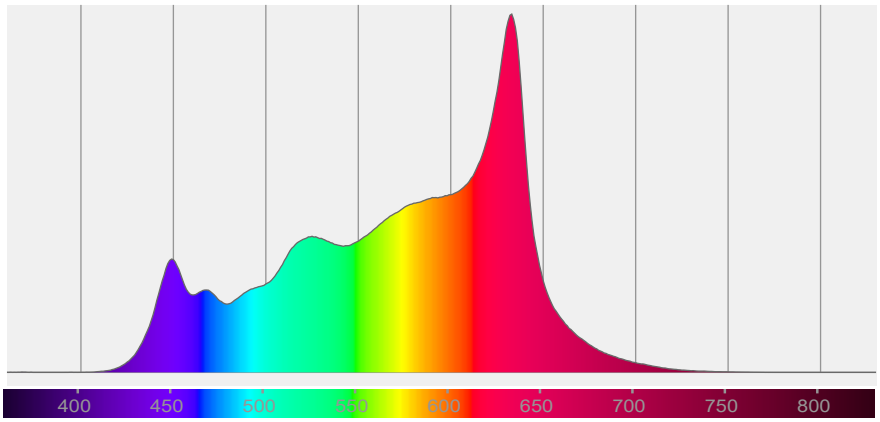
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:39:39

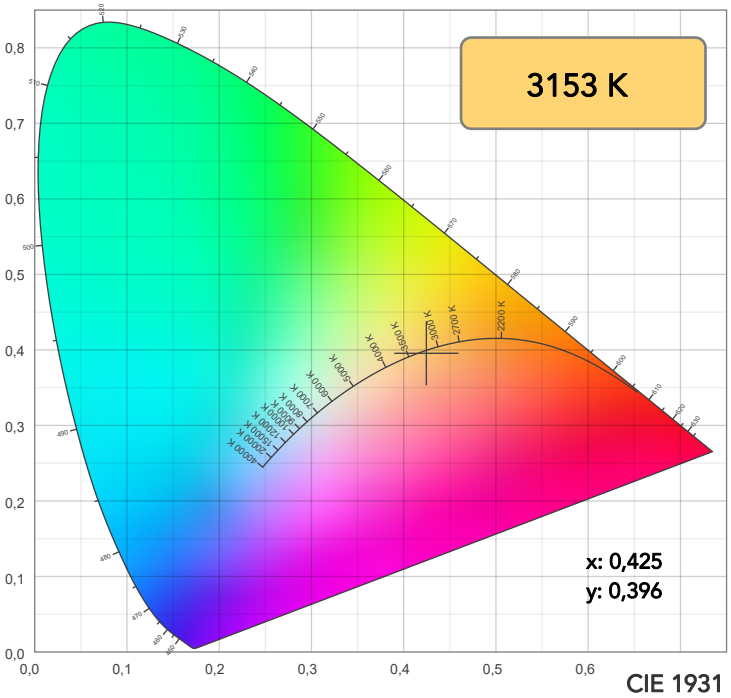


Beam angle 50%: 20,4°
Field angle 10%: 36,9°
Cut off angle 2.5%: 44,5°

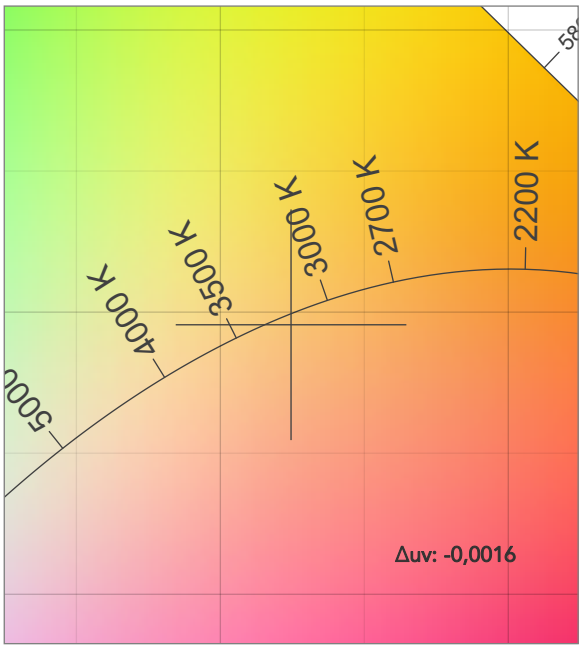
Spectra



COLOR DETAILS

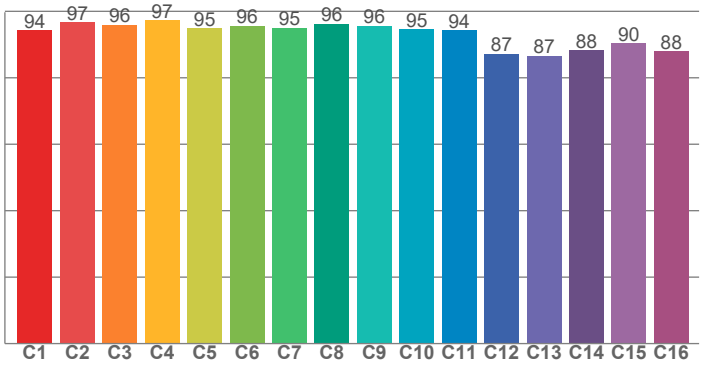


CIE 1931

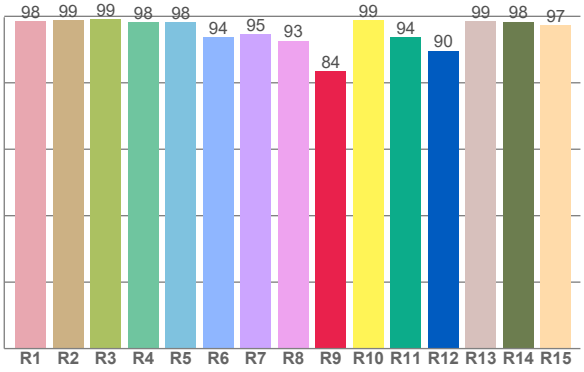


CIE 1931 ZOOM

TM30: 93,8



CRI: 96,7 (R1-R8)



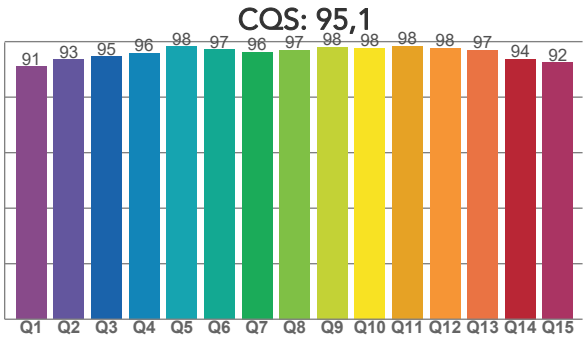
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,4	98,8	99,2	98,2	98,3	93,7	94,5	92,6	83,5	98,8	93,7	89,6	98,6	98,4	97,3

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	96,6	95,9	97,3	94,9	95,6	95,1	96,1	95,7	94,6	94,3	87,3	86,6	88,3	90,3	88,0

CQS: 95,1



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,0	93,5	94,6	95,9	98,2	97,1	96,2	97,0	98,0	97,7	98,3	97,6	97,0	93,8	92,4

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3153 K	96,7	83,5	93,8	100,6	95,1	86	0,425	0,396	-0,0016

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TM30 DETAILS

PROLiGHTS

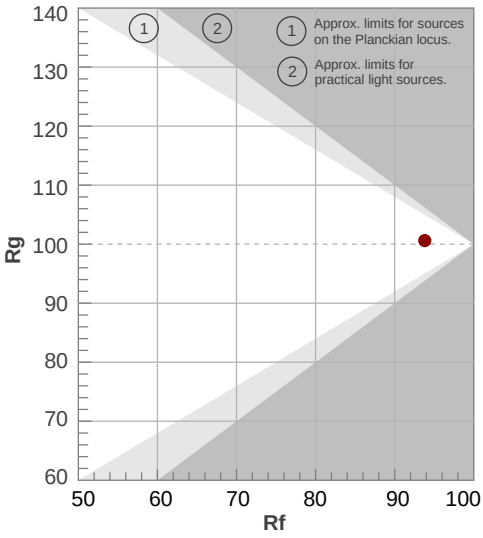
Rf 93,8

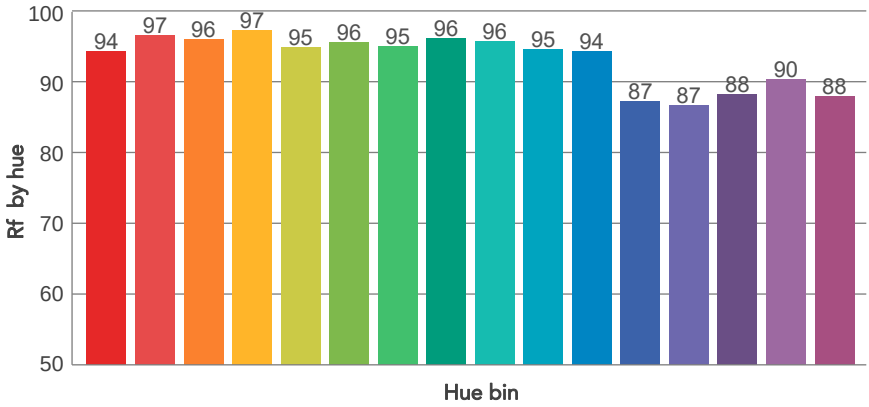
Fidelity index Rf

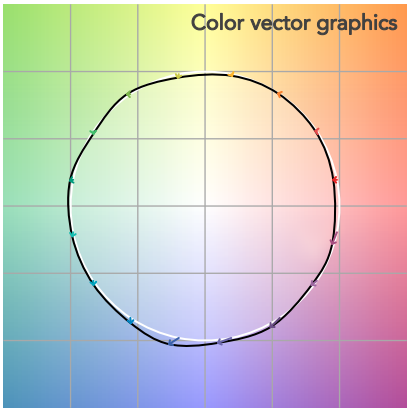
Rg 100,6

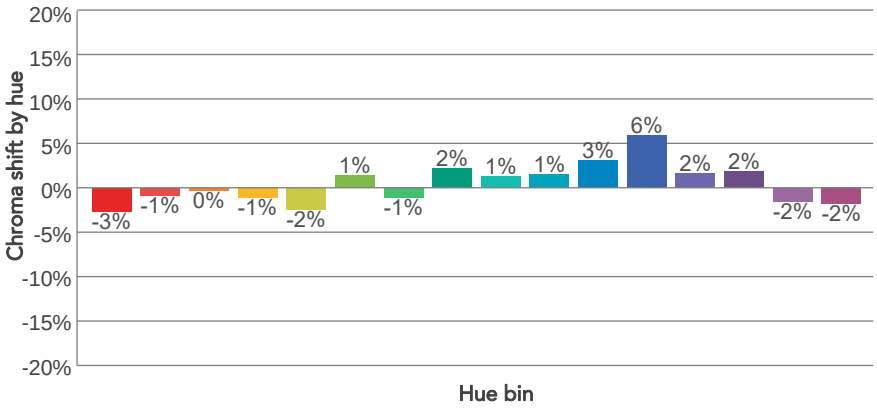
Gammut index

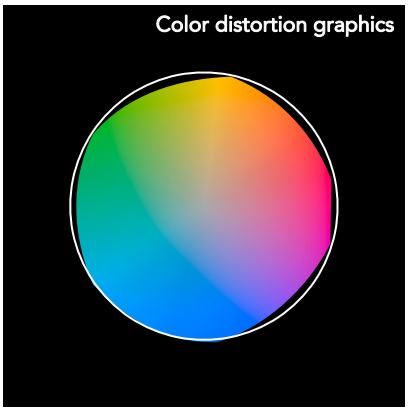
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-3%	0%
2	97	-1%	1%
3	96	0%	1%
4	97	-1%	-1%
5	95	-2%	1%
6	96	1%	2%
7	95	-1%	1%
8	96	2%	1%
9	96	1%	3%
10	95	1%	3%
11	94	3%	3%
12	87	6%	-6%
13	87	2%	-10%
14	88	2%	-9%
15	90	-2%	-5%
16	88	-2%	-9%

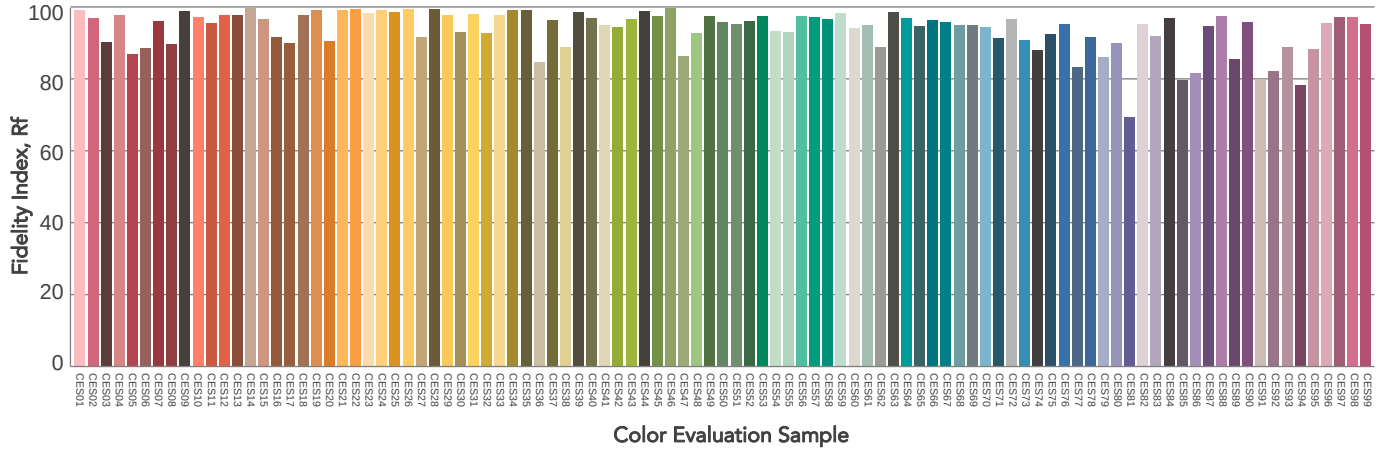












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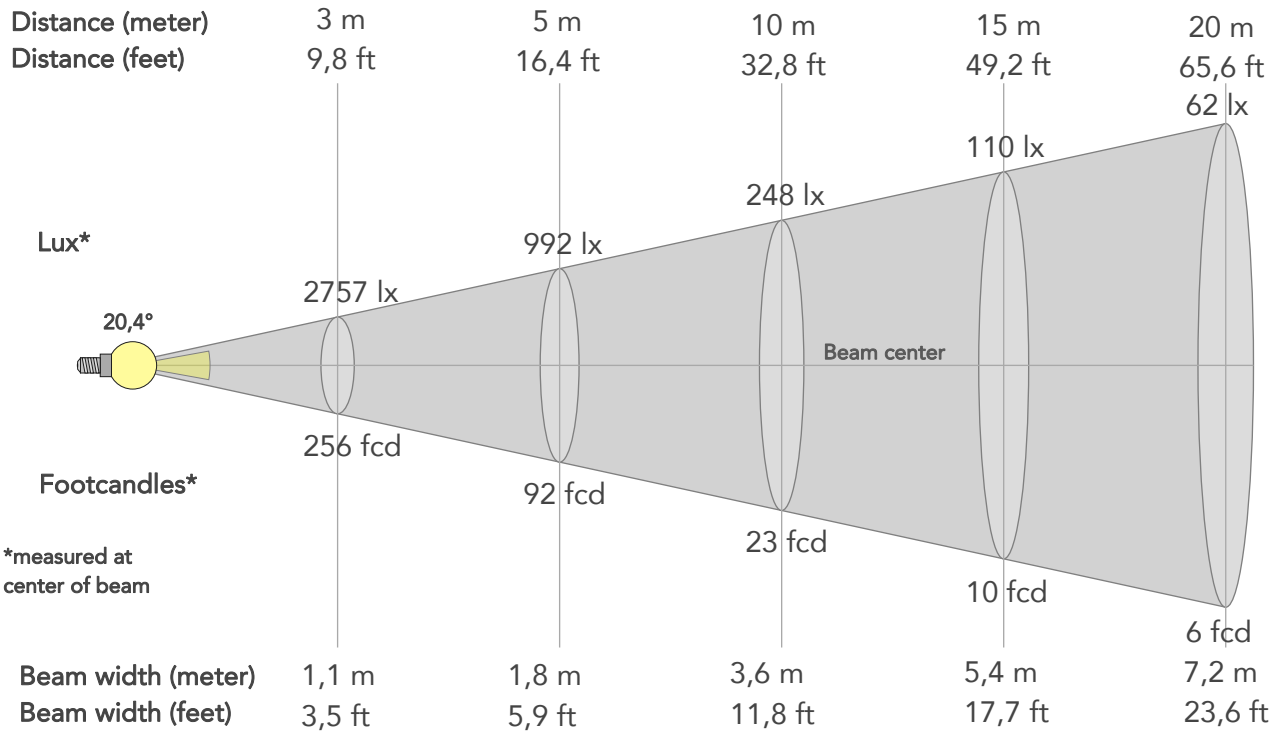
BEAM DETAILS

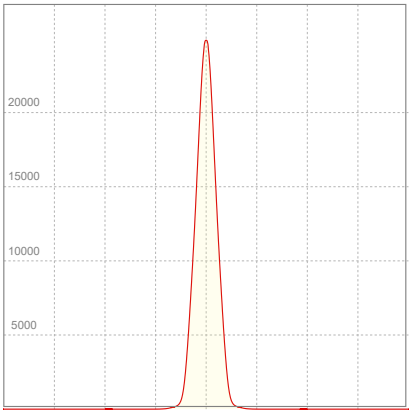
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,4°	36,9°	44,5°	100,0%	100,0%



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	24810lx	6203lx	2757lx	1551lx	992lx	441lx	248lx	110lx	62lx	40lx	28lx	16lx	10lx
Footcand.	2305fcd	576fcd	256fcd	144fcd	92fcd	41fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,4m	18m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,9ft	11,8ft	17,7ft	23,6ft	29,6ft	35,5ft	47,3ft	59,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,828A	186,3W	19lm/W

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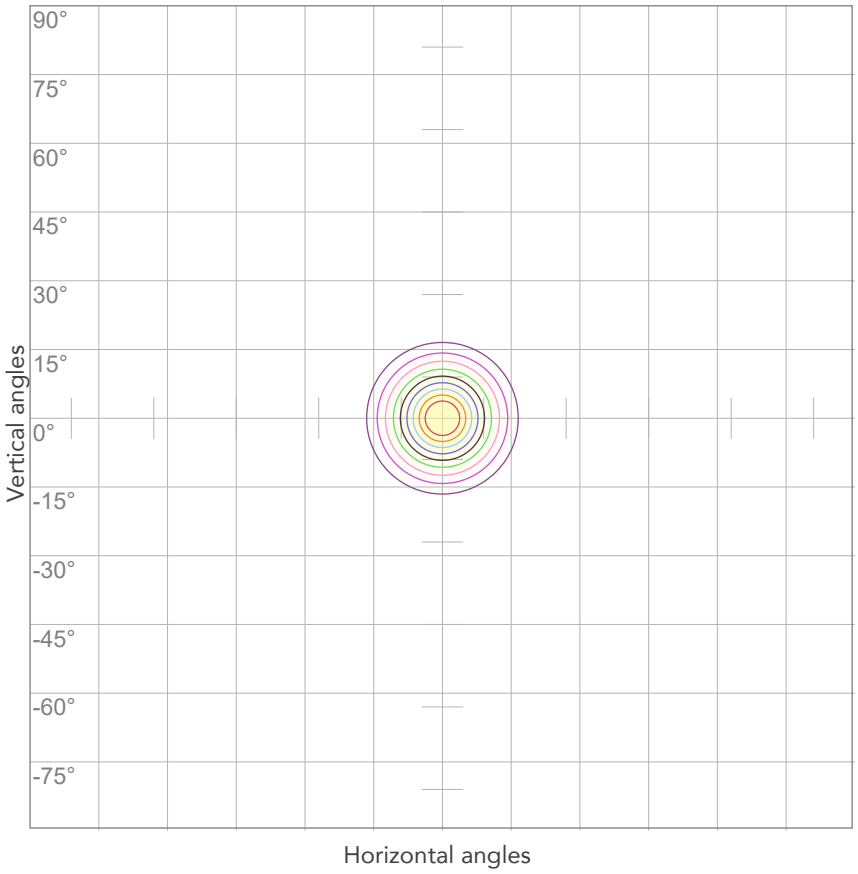
ISO DIAGRAMS

ISO CANDELA DIAGRAM



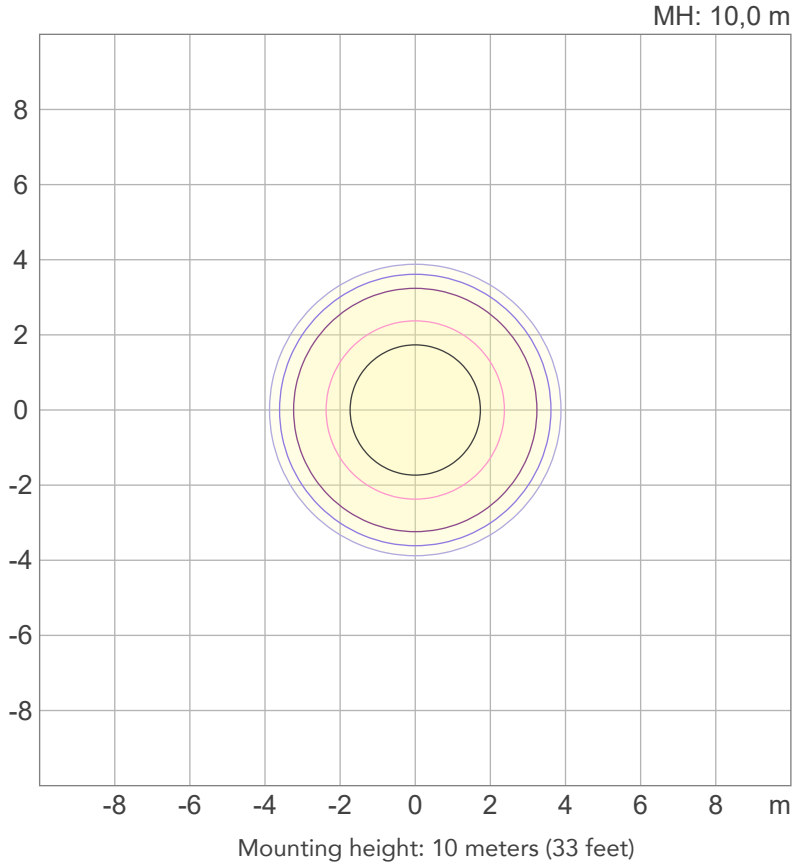
10%	2481 cd
20%	4962 cd
30%	7443 cd
40%	9924 cd
50%	12405 cd
60%	14886 cd
70%	17367 cd
80%	19848 cd

Conditions:

Number of c-planes: 2

Candela at center: 24810 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	7,44 lx
5%	12,4 lx
10%	24,8 lx
30%	74,4 lx
50%	124 lx

Conditions:

Number of c-planes: 2

Lux at center: 248 lx

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

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Total lumen output:

1938 lm

Peak candela output:

58412 cd

Light quality:

CRI: 96,6

Color temperature:

3160 K

PRODUCT NAME:

ECLFRCTPS

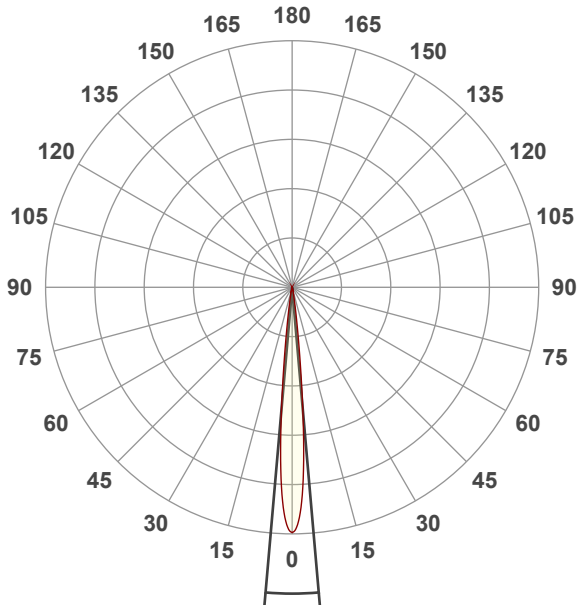
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
3200K - **HQ**

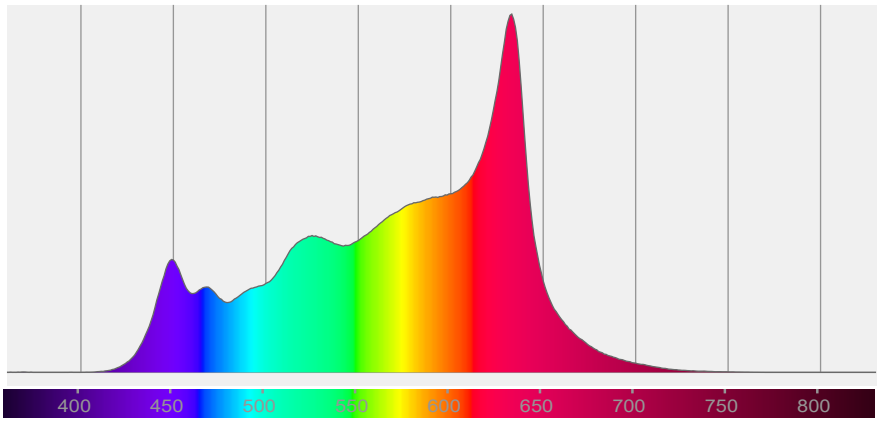
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:52:06



Beam angle 50%: 10°
Field angle 10%: 16,8°
Cut off angle 2.5%: 22,8°

Spectra



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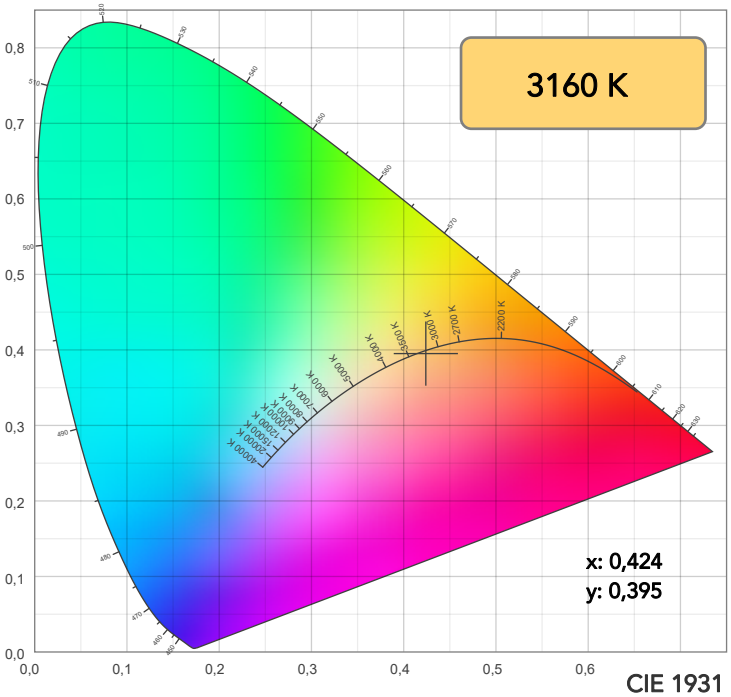
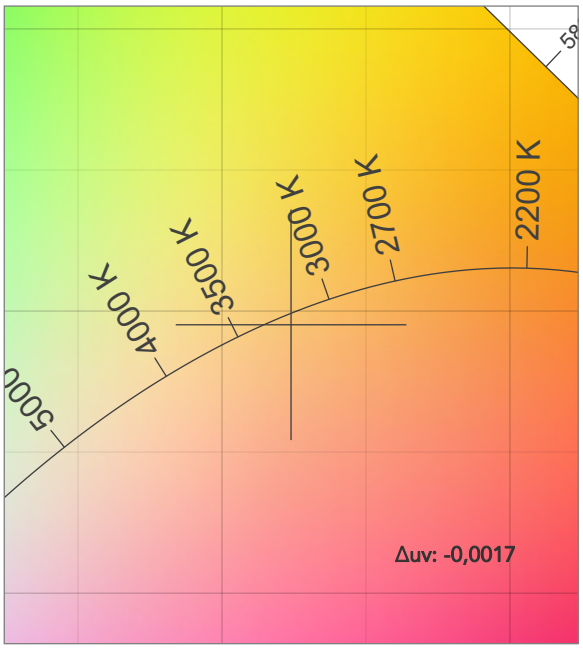
COLOR DETAILS

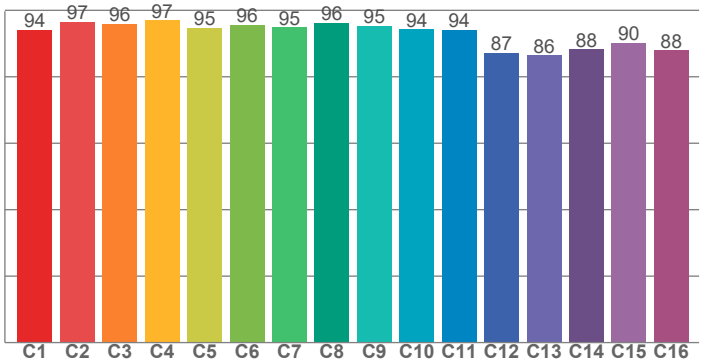


CIE 1931

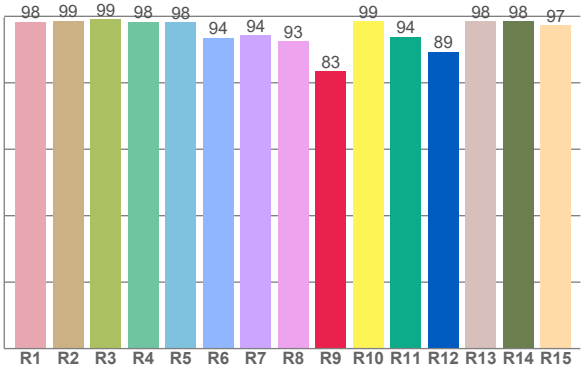


CIE 1931 ZOOM

TM30: 93,7



CRI: 96,6 (R1-R8)



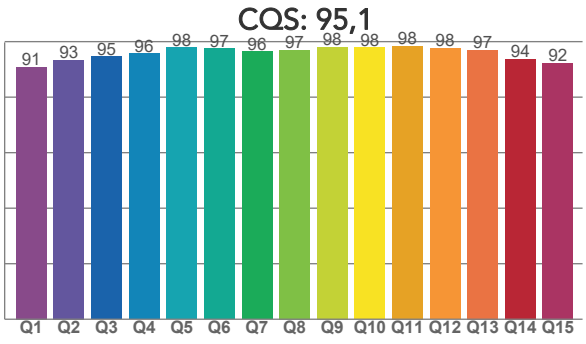
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	98,6	99,2	98,3	98,2	93,5	94,4	92,5	83,5	98,6	93,9	89,3	98,5	98,5	97,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,1	96,6	95,9	97,0	94,8	95,7	94,9	96,2	95,4	94,3	94,2	87,2	86,5	88,2	90,2	88,0

CQS: 95,1



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,9	93,4	94,7	95,7	97,9	97,4	96,4	97,1	98,0	97,8	98,4	97,6	97,0	93,8	92,3

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3160 K	96,6	83,5	93,7	100,5	95,1	86	0,424	0,395	-0,0017

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TM30 DETAILS

PROLiGHTS

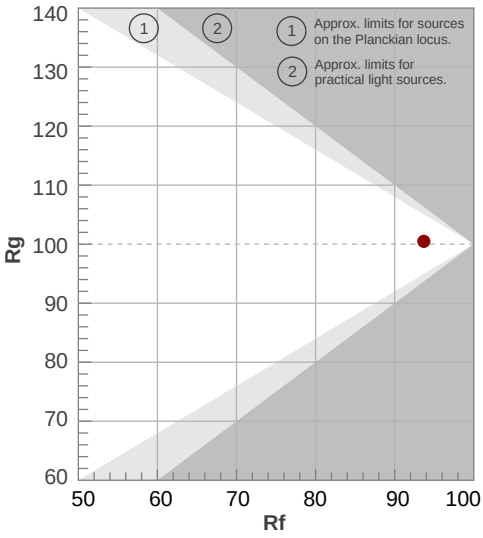
Rf 93,7

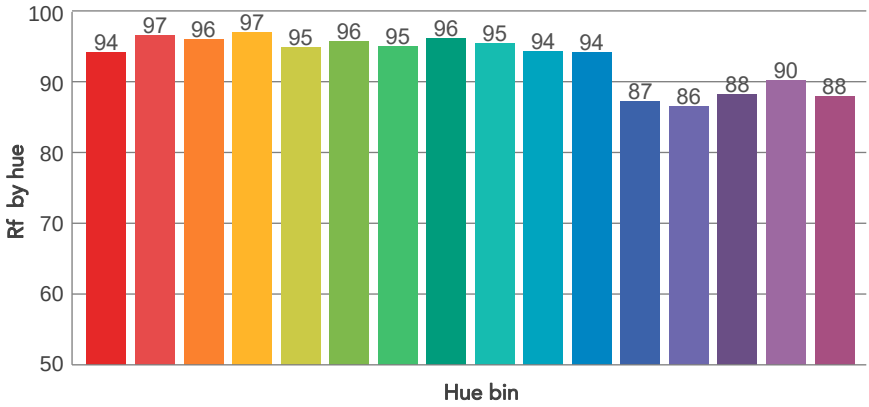
Fidelity index Rf

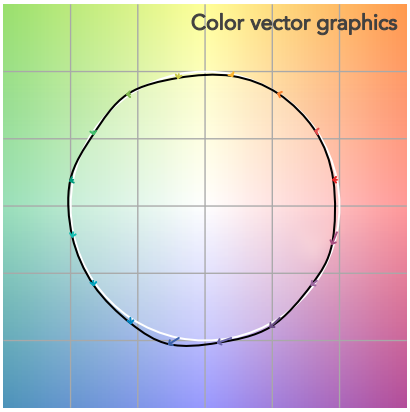
Rg 100,5

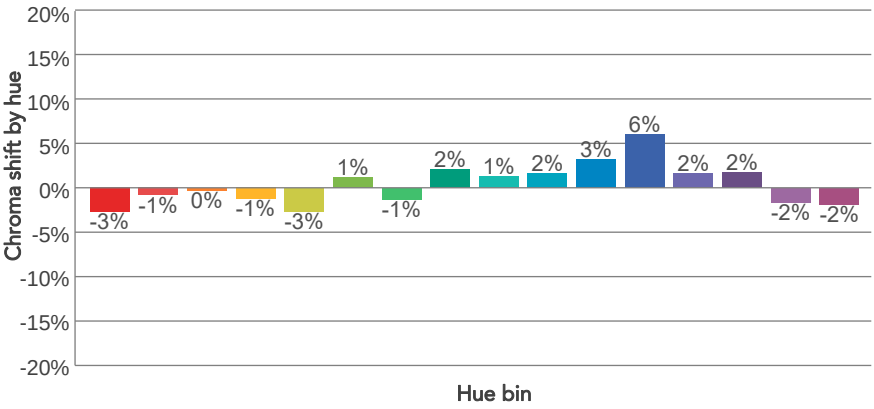
Gammut index

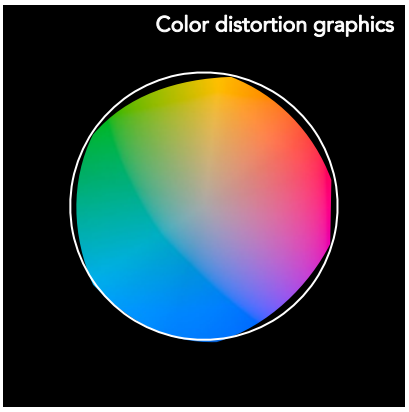
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-3%	1%
2	97	-1%	1%
3	96	0%	1%
4	97	-1%	-1%
5	95	-3%	1%
6	96	1%	2%
7	95	-1%	2%
8	96	2%	1%
9	95	1%	3%
10	94	2%	3%
11	94	3%	3%
12	87	6%	-6%
13	86	2%	-10%
14	88	2%	-10%
15	90	-2%	-5%
16	88	-2%	-9%

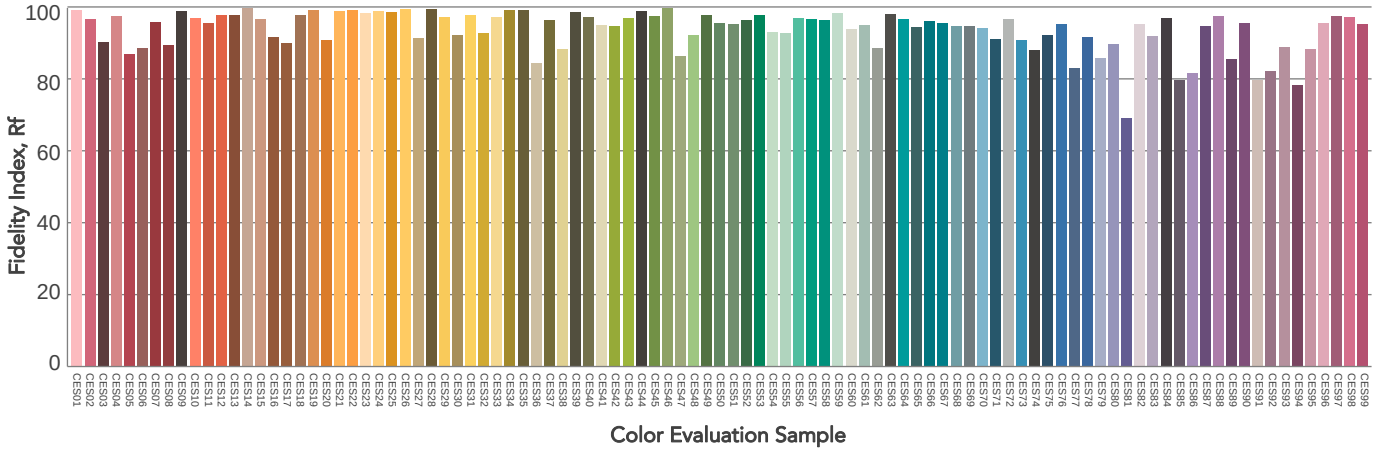












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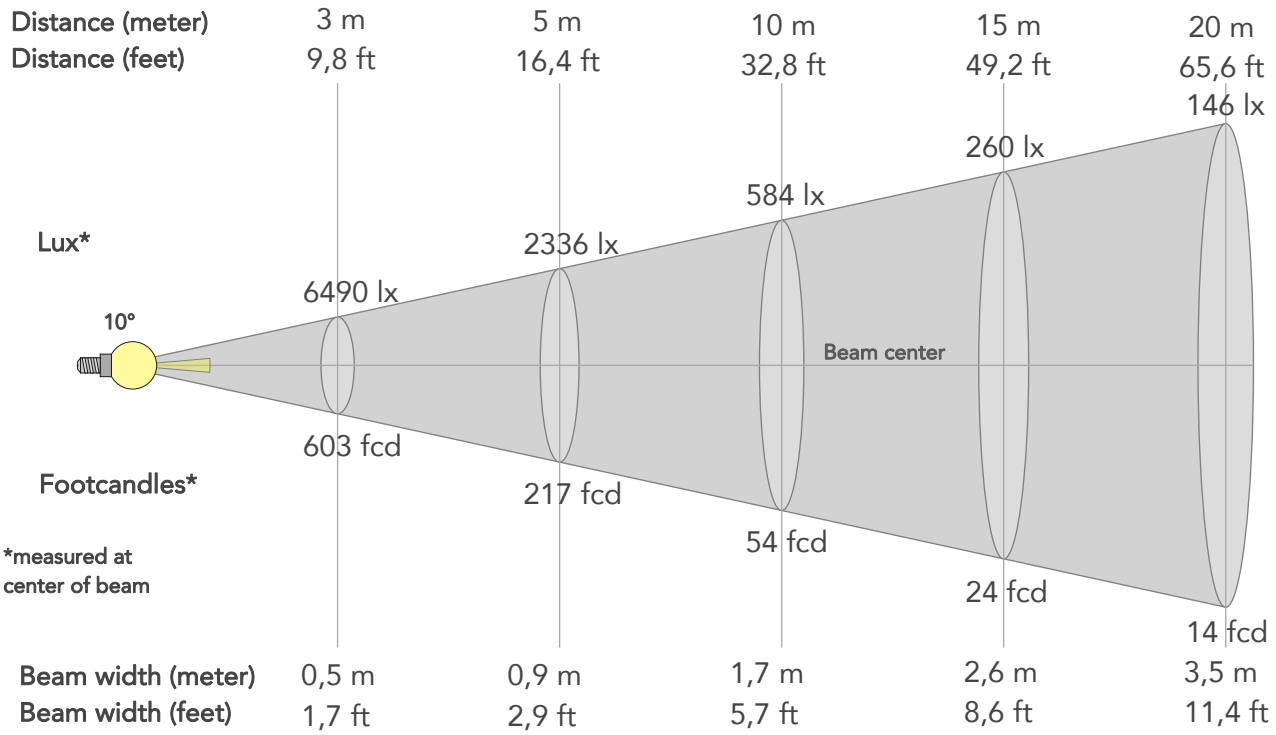
BEAM DETAILS

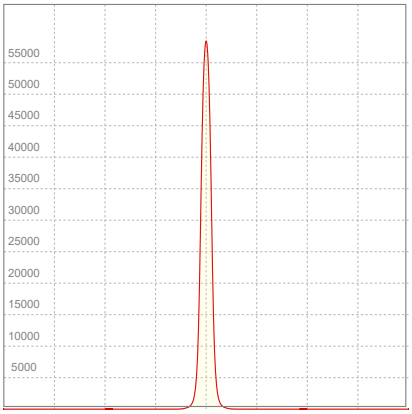
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	16,8°	22,8°	100,0%	100,0%



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	58412lx	14603lx	6490lx	3651lx	2336lx	1038lx	584lx	260lx	146lx	93lx	65lx	37lx	23lx
Footcand.	5427fcd	1357fcd	603fcd	339fcd	217fcd	96fcd	54fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
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	1,2ft	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
228V	0,818A	185,4W	10lm/W

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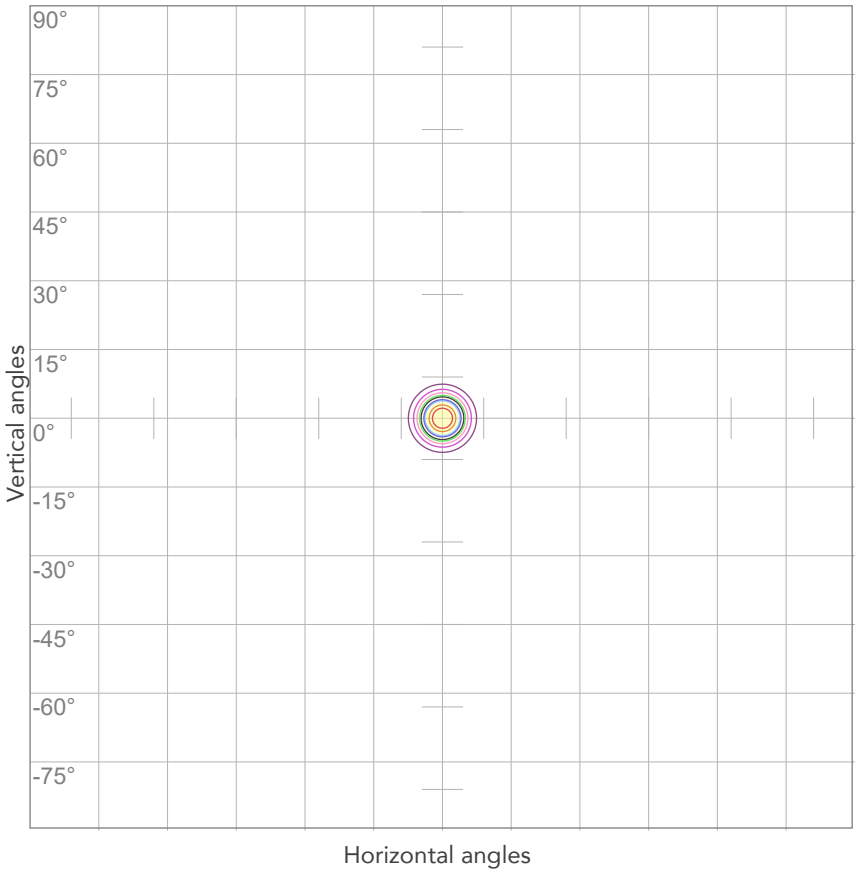
ISO DIAGRAMS

ISO CANDELA DIAGRAM



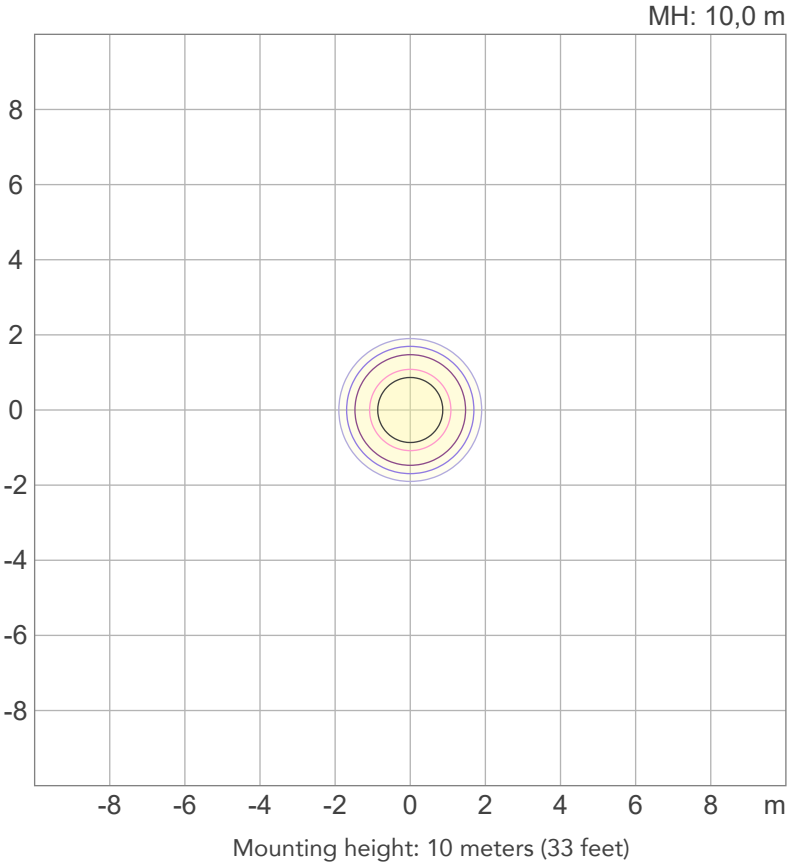
10%	5841 cd
20%	11682 cd
30%	17524 cd
40%	23365 cd
50%	29206 cd
60%	35047 cd
70%	40889 cd
80%	46730 cd

Conditions:

Number of c-planes: 2

Candela at center: 58412 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	17,5 lx
5%	29,2 lx
10%	58,4 lx
30%	175 lx
50%	292 lx

Conditions:

Number of c-planes: 2

Lux at center: 584 lx

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

Total lumen output:

4324 lm

Peak candela output:

6489 cd

Light quality:

CRI: 96,8

Color temperature:

3903 K

PRODUCT NAME:

ECLFRCTPS

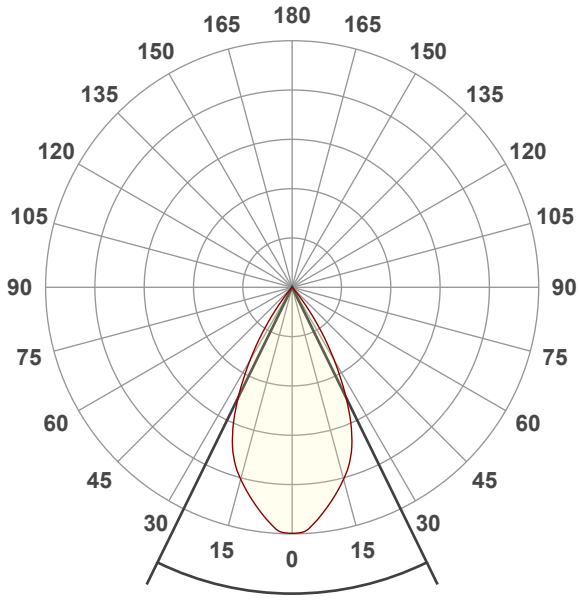
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
4000K - **HQ**

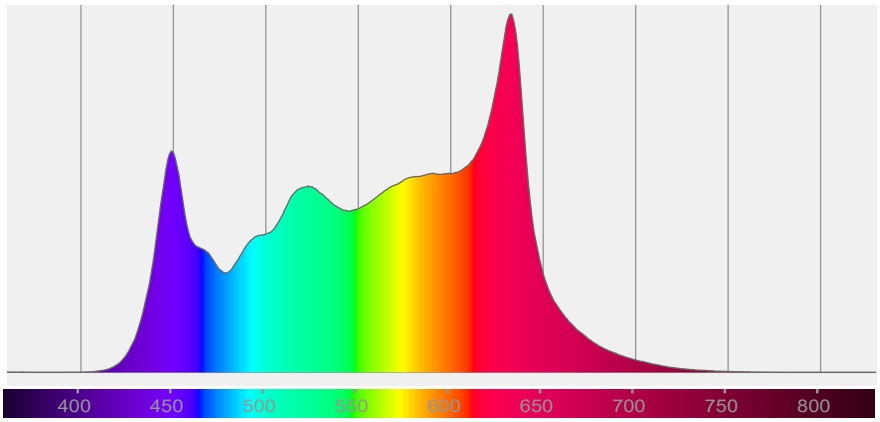
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:57:20



Beam angle 50%: 52,2°
Field angle 10%: 73,8°
Cut off angle 2.5%: 81,4°

Spectra



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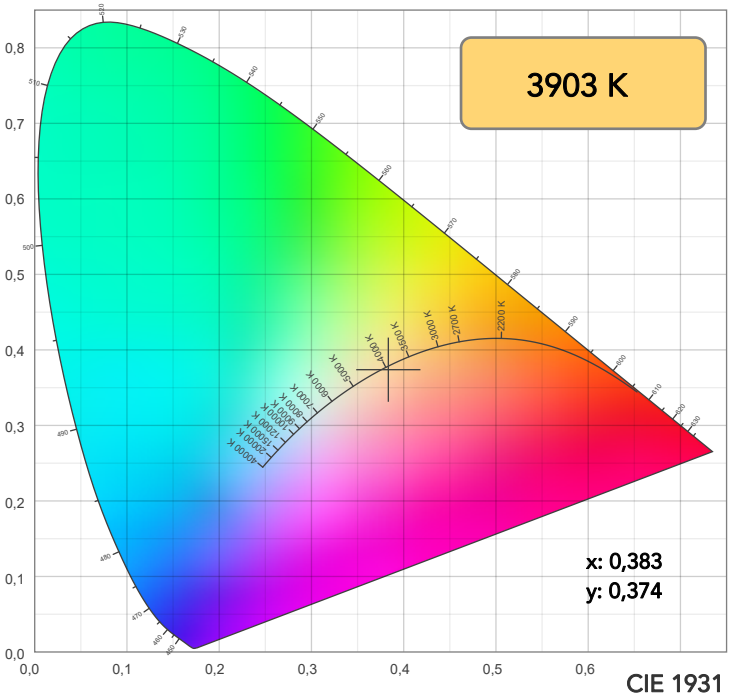
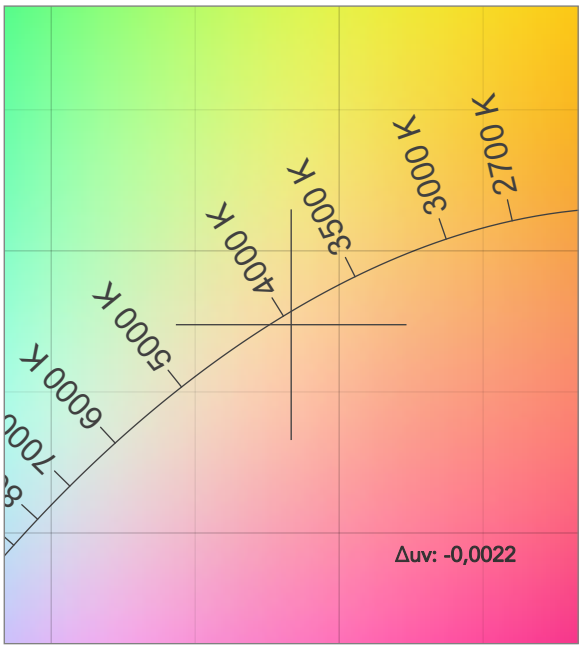
COLOR DETAILS

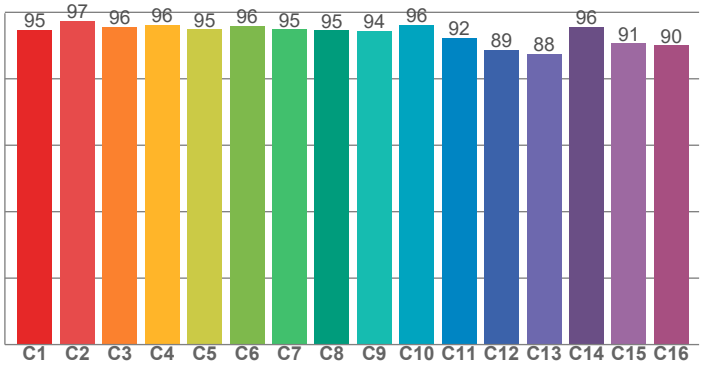


CIE 1931

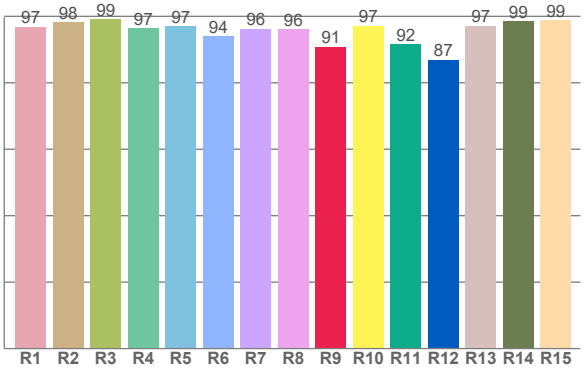


CIE 1931 ZOOM

TM30: 93,9



CRI: 96,8 (R1-R8)



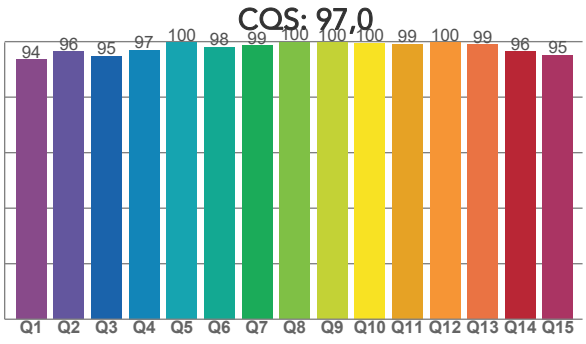
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,9	98,2	99,1	96,5	97,1	93,9	96,3	96,0	90,8	97,2	91,5	86,9	97,2	98,5	98,8

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,8	97,5	95,6	96,3	94,9	95,9	94,9	94,6	94,5	96,2	92,3	88,6	87,6	95,6	90,7	90,1

CQS: 97,0



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,6	96,4	94,7	97,1	99,7	98,0	98,6	99,8	99,6	99,6	99,2	99,7	99,0	96,4	95,1

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3903 K	96,8	90,8	93,9	101,2	97,0	89	0,383	0,374	-0,0022

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TM30 DETAILS

PROLiGHTS

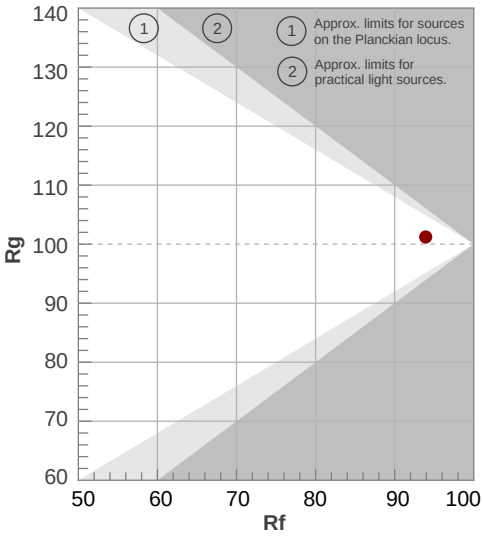
Rf 93,9

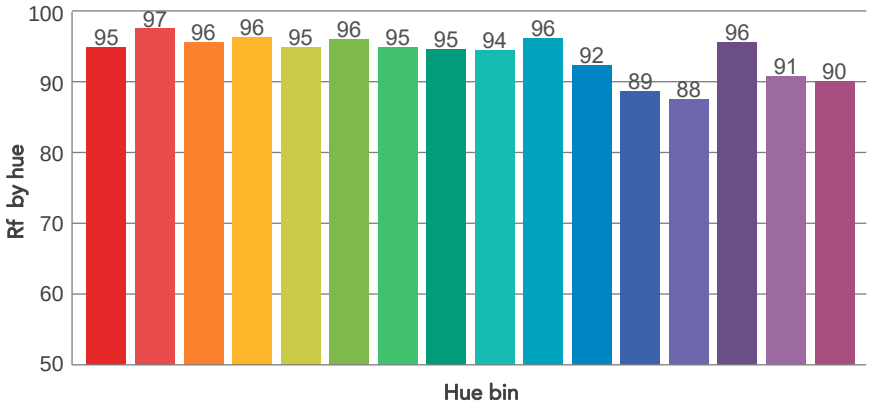
Fidelity index Rf

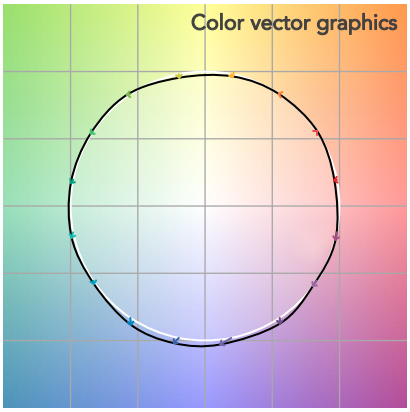
Rg 101,2

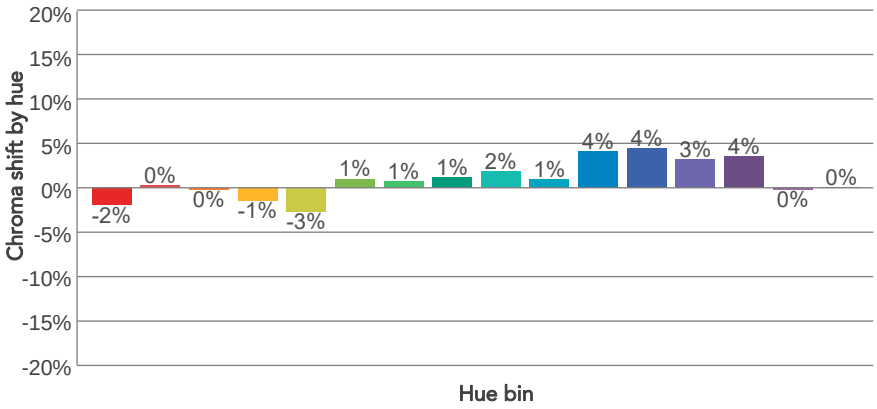
Gammut index

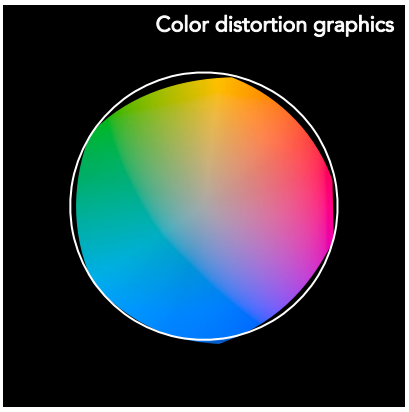
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	95	-2%	0%
2	97	0%	0%
3	96	0%	1%
4	96	-1%	-2%
5	95	-3%	0%
6	96	1%	2%
7	95	1%	2%
8	95	1%	3%
9	94	2%	4%
10	96	1%	2%
11	92	4%	3%
12	89	4%	-3%
13	88	3%	-9%
14	96	4%	-2%
15	91	0%	-5%
16	90	0%	-6%

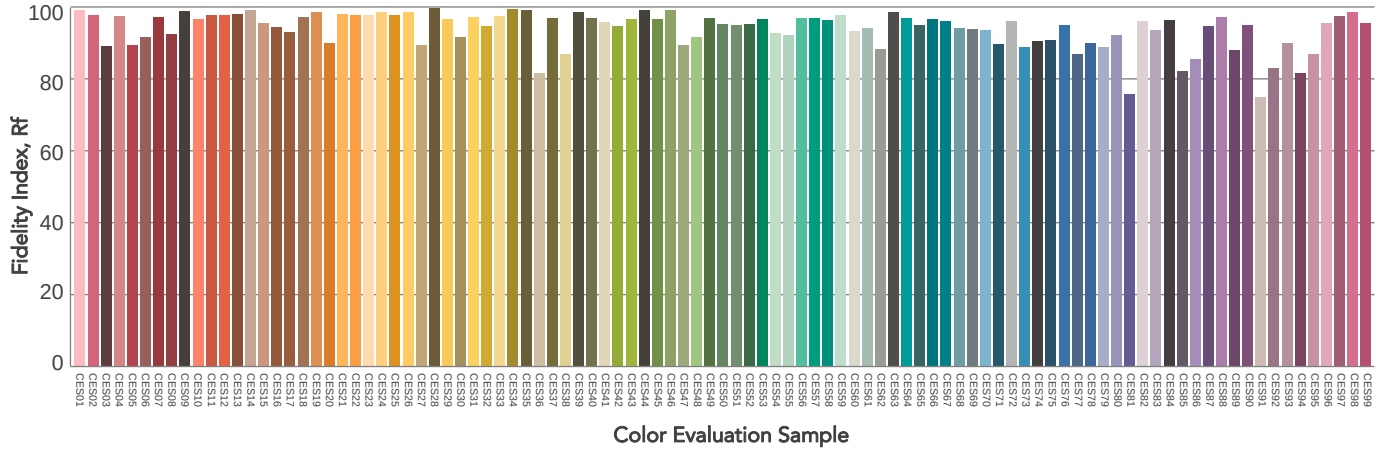












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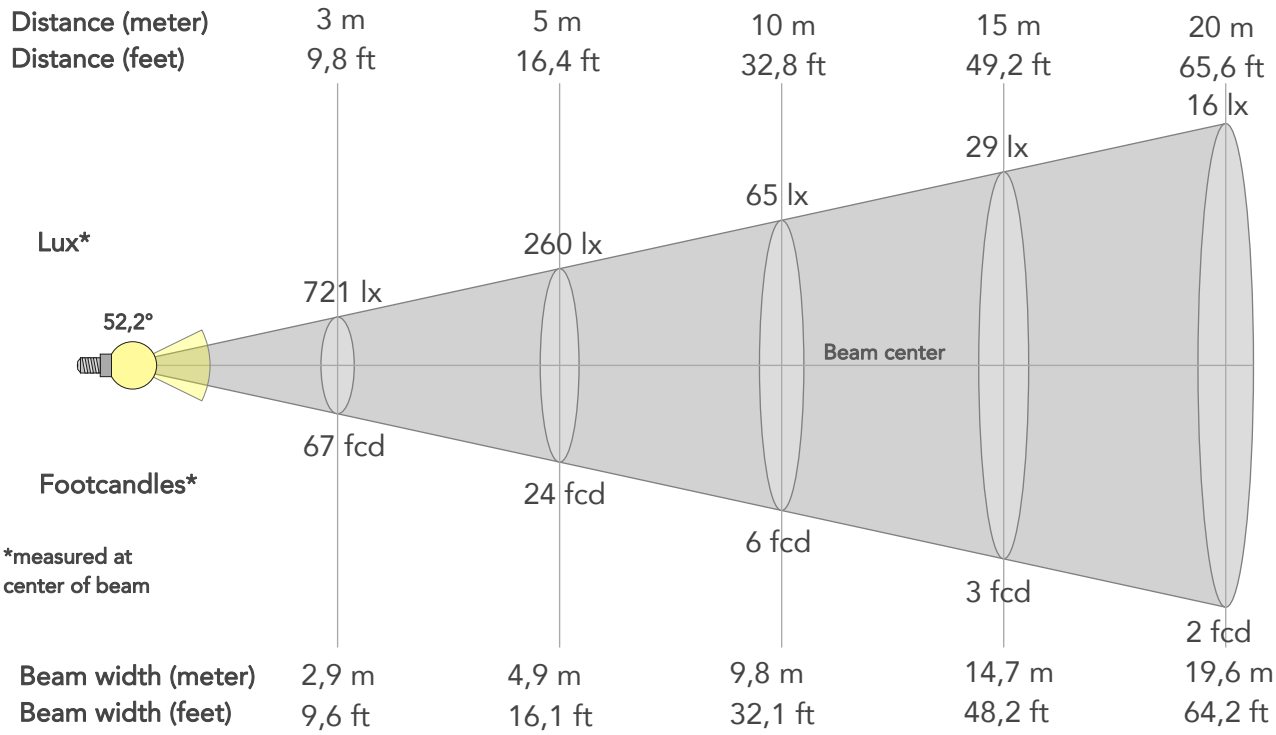
BEAM DETAILS

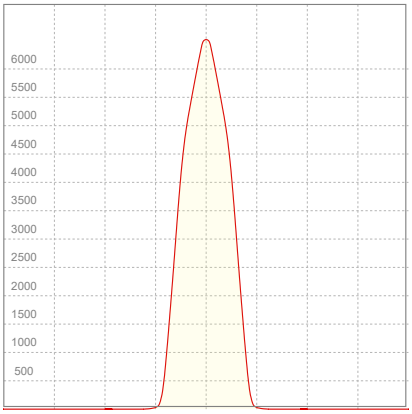
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,2°	73,8°	81,4°	100,0%	99,8%



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	6489lx	1622lx	721lx	406lx	260lx	115lx	65lx	29lx	16lx	10lx	7lx	4lx	3lx
Footcand.	603fcd	151fcd	67fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,3m	9,8m	14,7m	19,6m	24,5m	29,4m	39,2m	49m
Beam wid.	3,2ft	6,5ft	9,6ft	12,8ft	16,1ft	24,1ft	32,1ft	48,2ft	64,2ft	80,3ft	96,3ft	128,4ft	160,6ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,744A	167,2W	26lm/W

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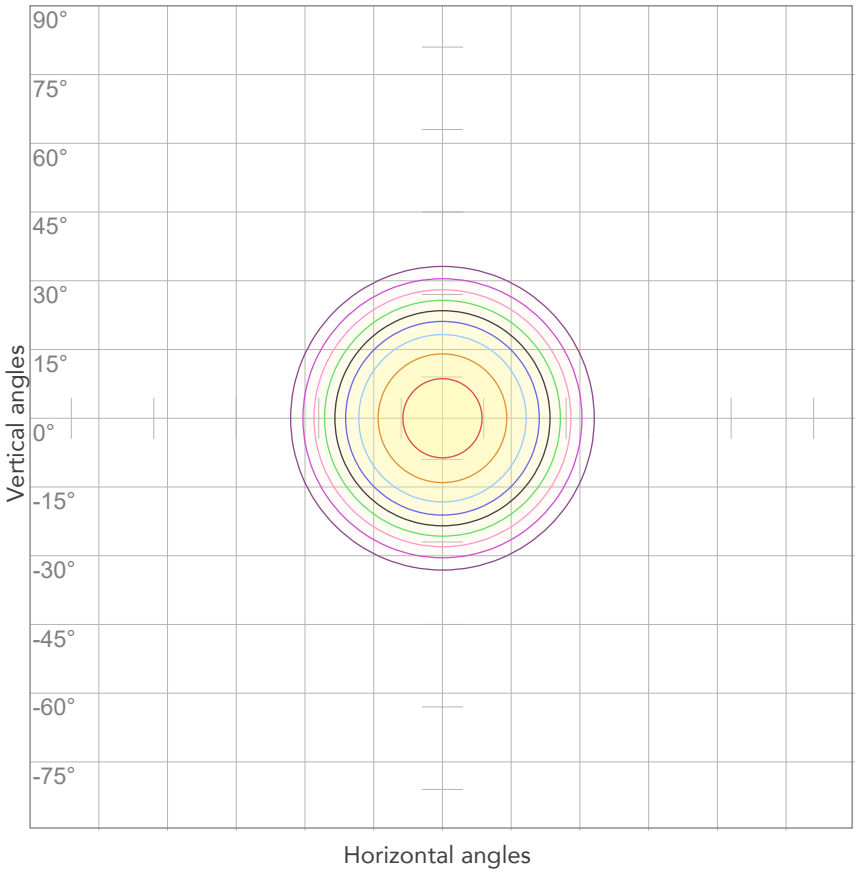
ISO DIAGRAMS

ISO CANDELA DIAGRAM



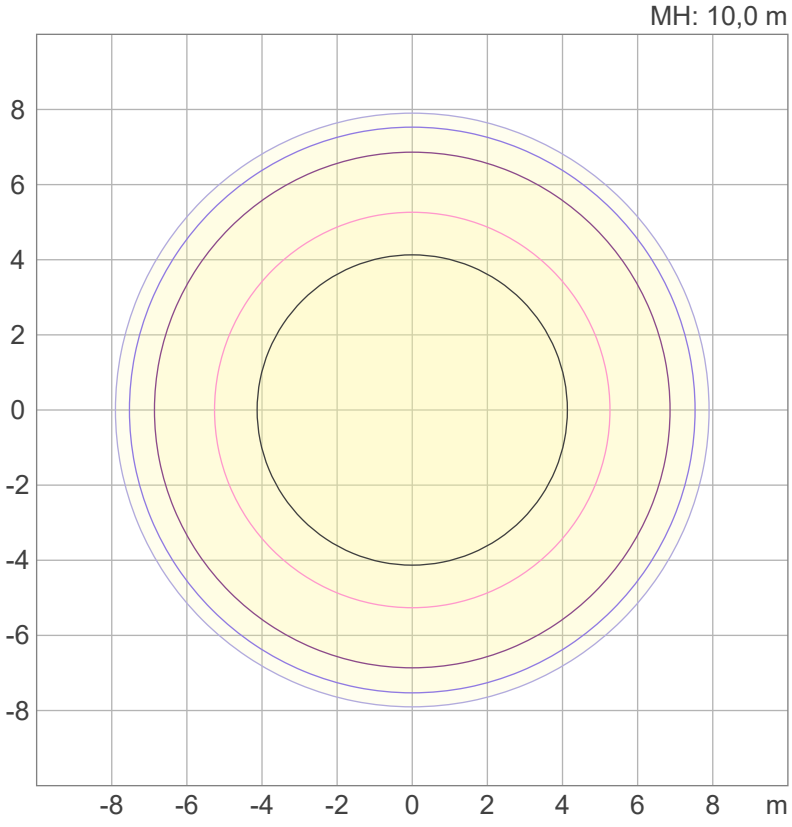
10%	649 cd
20%	1298 cd
30%	1947 cd
40%	2596 cd
50%	3244 cd
60%	3893 cd
70%	4542 cd
80%	5191 cd

Conditions:

Number of c-planes: 2

Candela at center: 6489 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,95 lx
5%	3,24 lx
10%	6,49 lx
30%	19,5 lx
50%	32,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 64,9 lx

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

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Total lumen output:

3158 lm

Peak candela output:

21808 cd

Light quality:

CRI: 96,9

Color temperature:

3964 K

PRODUCT NAME:

ECLFRCTPS

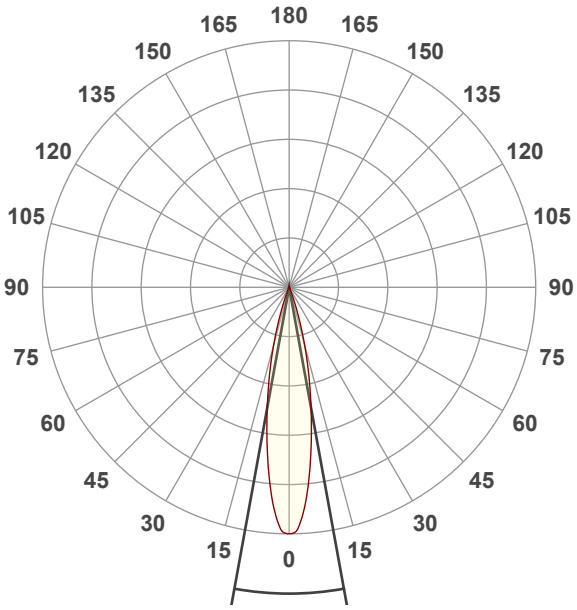
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
4000K - **HQ**

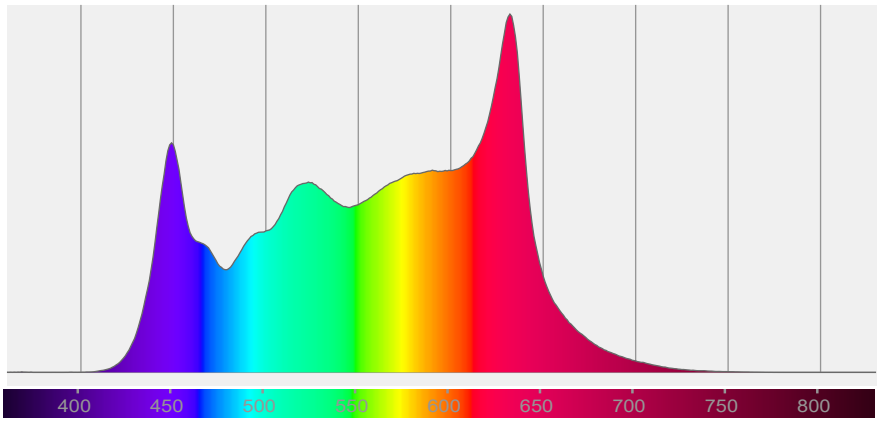
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:41:21

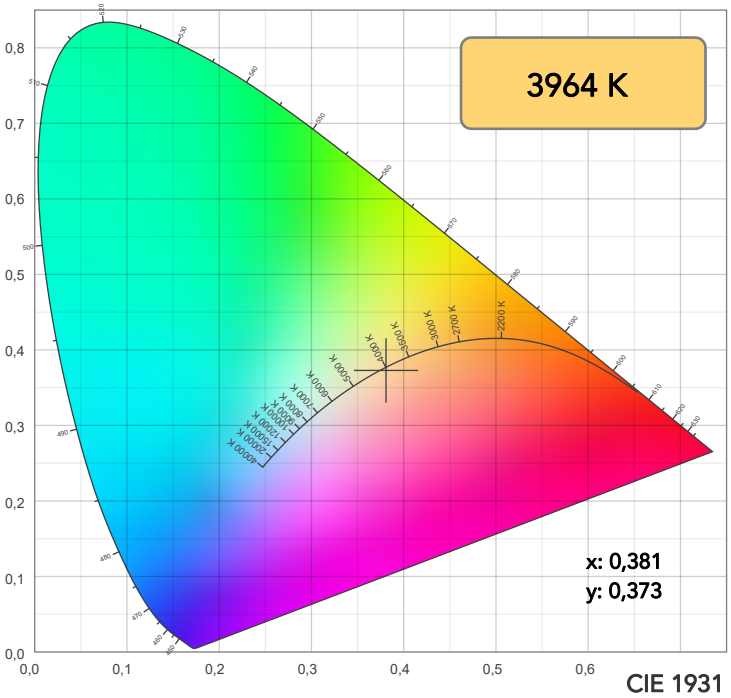


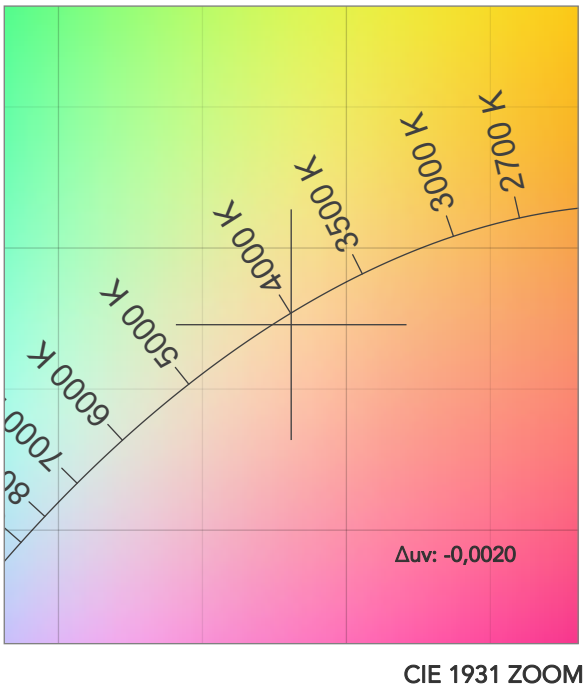
Beam angle 50%: 20,6°
Field angle 10%: 37,1°
Cut off angle 2.5%: 44,8°

Spectra

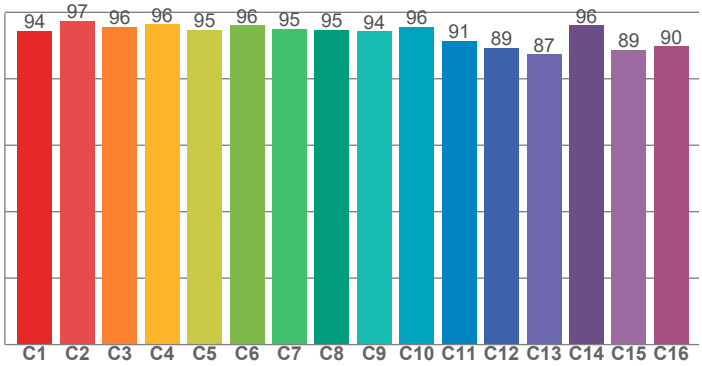


COLOR DETAILS

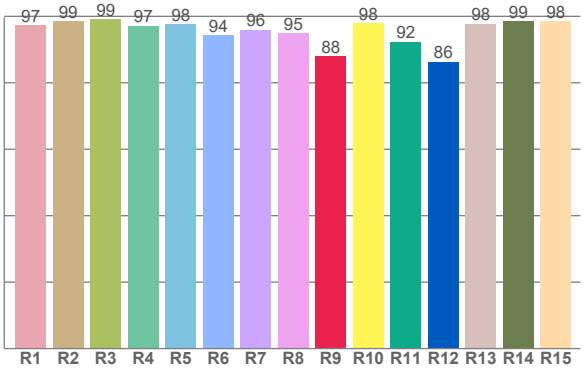




TM30: 93,8



CRI: 96,9 (R1-R8)



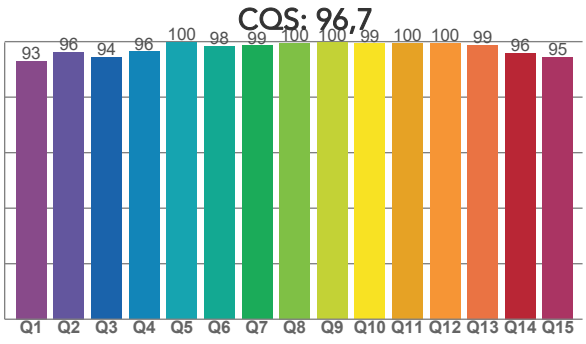
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,4	98,6	99,2	97,2	97,7	94,3	96,0	95,0	88,0	98,0	92,4	86,3	97,7	98,5	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
94,5	97,4	95,6	96,3	94,8	96,1	95,0	94,8	94,3	95,7	91,4	89,3	87,3	96,0	88,6	89,7

CQS: 96,7



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,0	96,3	94,4	96,4	99,7	98,3	98,6	99,6	99,7	99,4	99,5	99,6	98,8	95,9	94,5

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3964 K	96,9	88,0	93,8	100,8	96,7	88	0,381	0,373	-0,0020

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TM30 DETAILS

PROLiGHTS

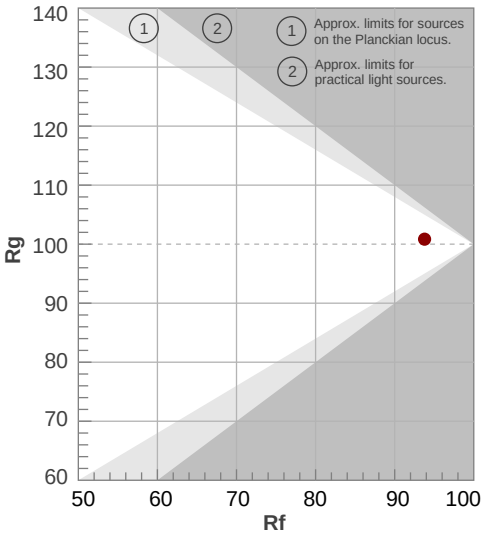
Rf 93,8

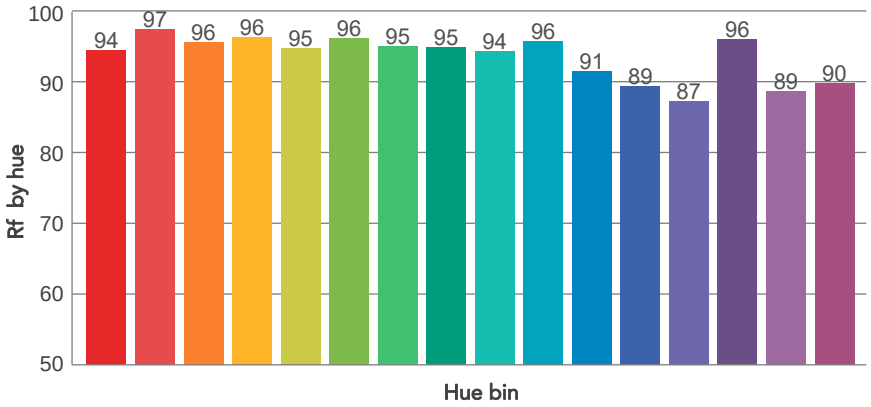
Fidelity index Rf

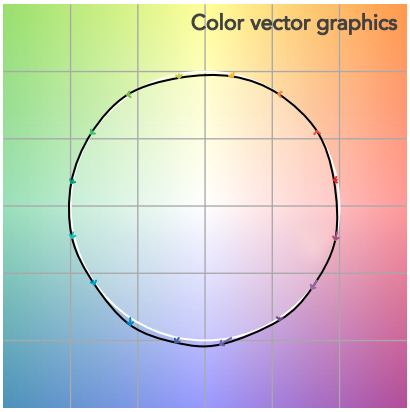
Rg 100,8

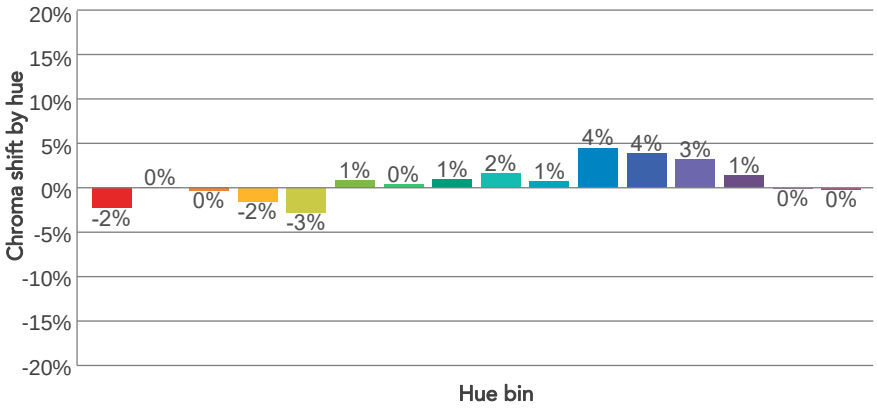
Gammut index

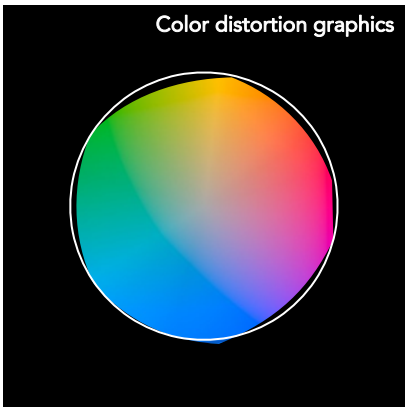
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	0%
2	97	0%	0%
3	96	0%	1%
4	96	-2%	-2%
5	95	-3%	0%
6	96	1%	2%
7	95	0%	2%
8	95	1%	3%
9	94	2%	4%
10	96	1%	3%
11	91	4%	3%
12	89	4%	-2%
13	87	3%	-9%
14	96	1%	-1%
15	89	0%	-7%
16	90	0%	-6%

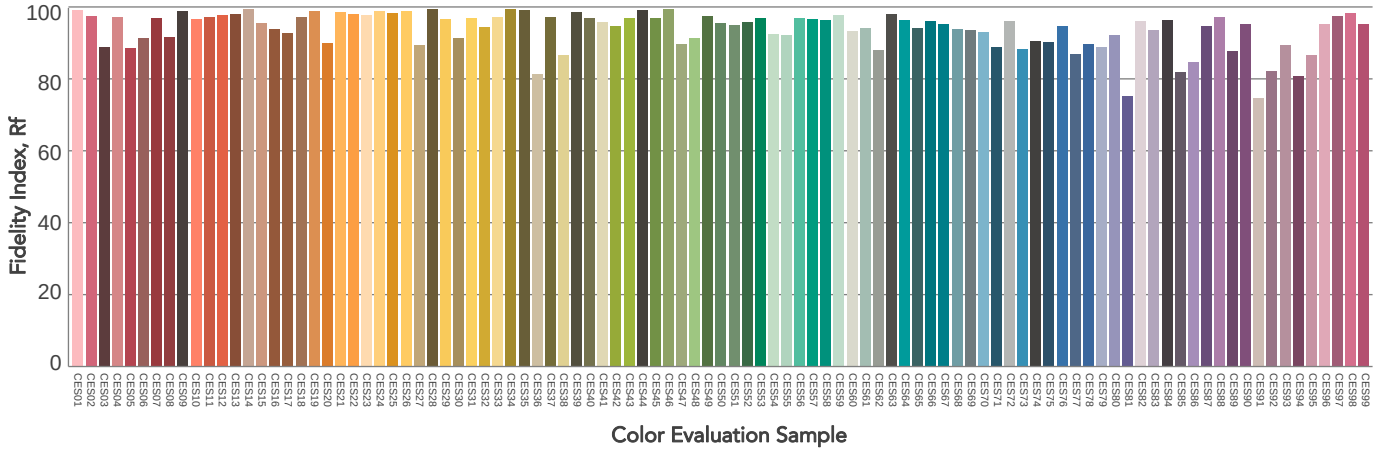












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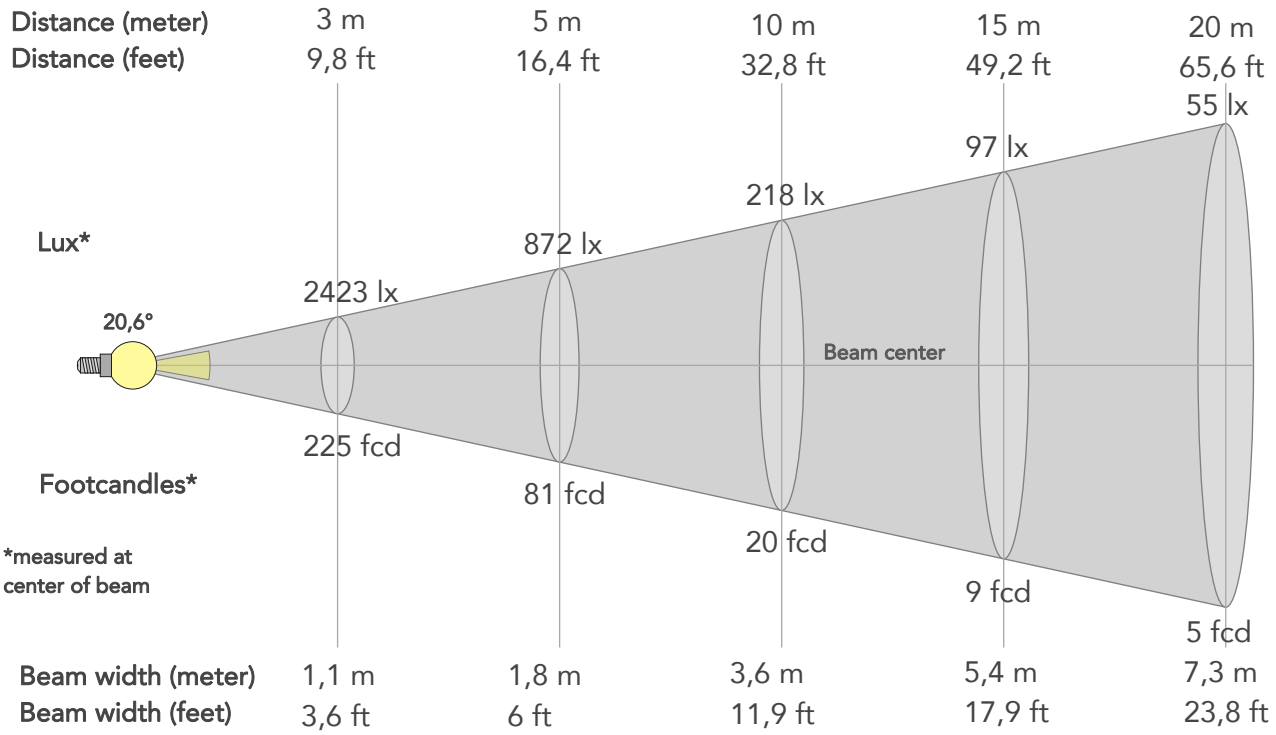
BEAM DETAILS

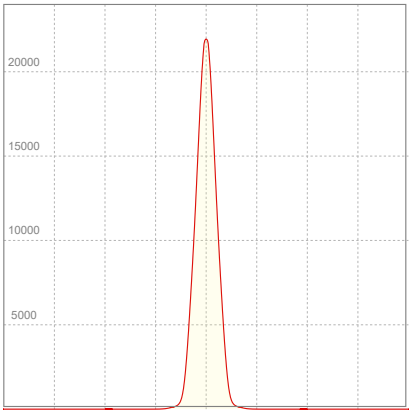
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,6°	37,1°	44,8°	100,0%	100,0%



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	21808lx	5452lx	2423lx	1363lx	872lx	388lx	218lx	97lx	55lx	35lx	24lx	14lx	9lx
Footcand.	2026fcd	507fcd	225fcd	127fcd	81fcd	36fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,6m	5,4m	7,3m	9,1m	10,9m	14,5m	18,2m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	8,9ft	11,9ft	17,9ft	23,8ft	29,8ft	35,7ft	47,7ft	59,6ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,735A	165,9W	19lm/W

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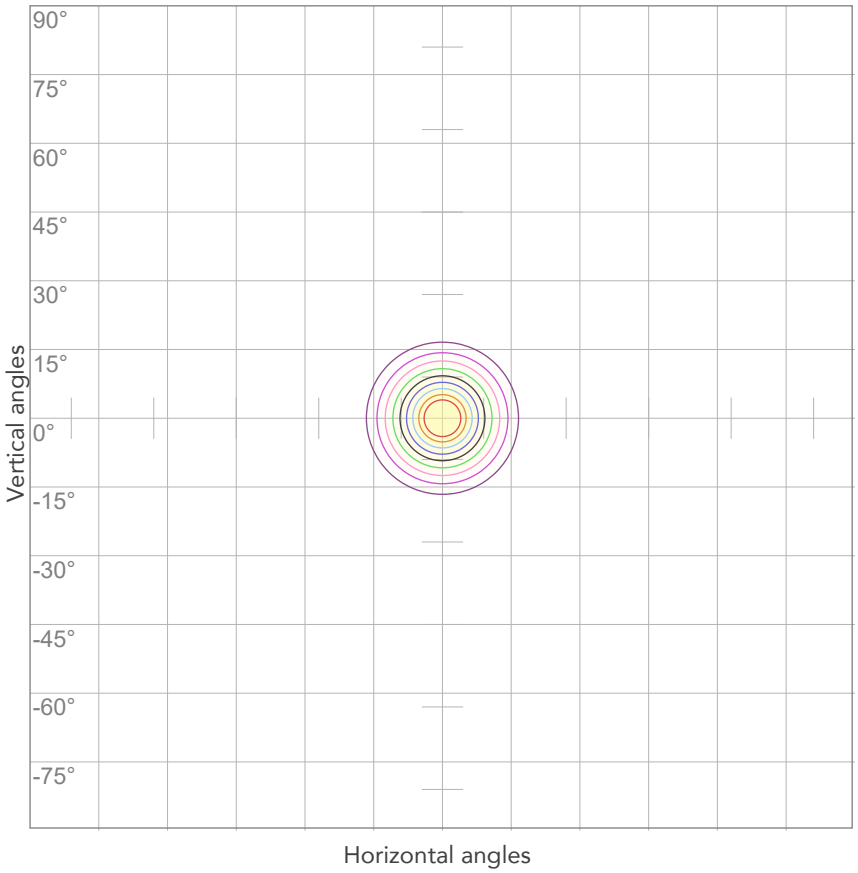
ISO DIAGRAMS

ISO CANDELA DIAGRAM



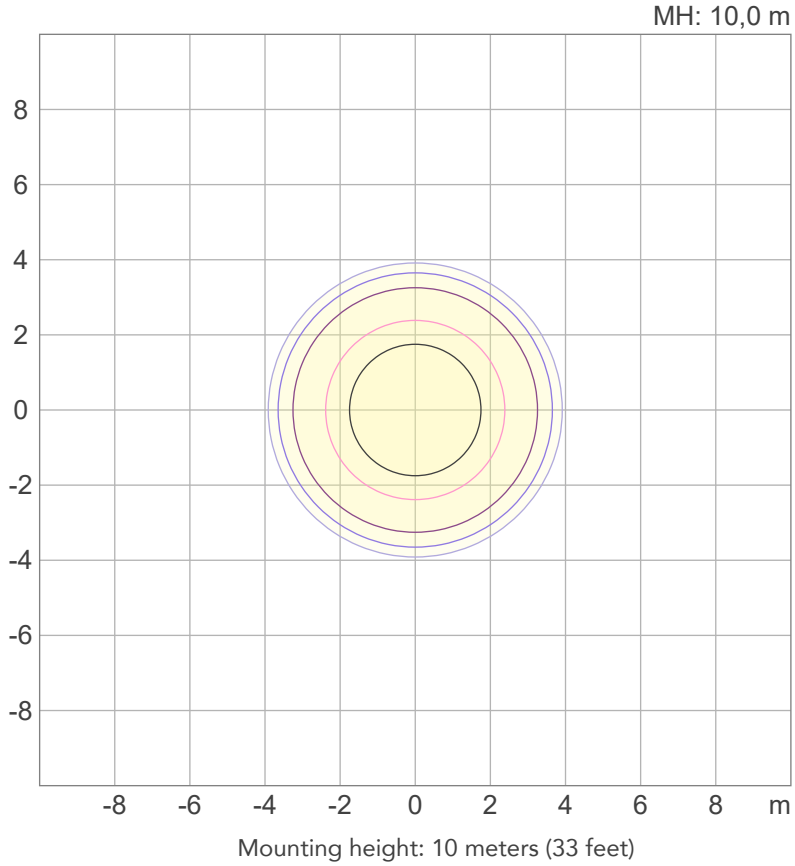
10%	2181 cd
20%	4362 cd
30%	6542 cd
40%	8723 cd
50%	10904 cd
60%	13085 cd
70%	15265 cd
80%	17446 cd

Conditions:

Number of c-planes: 2

Candela at center: 21808 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	6,54 lx
5%	10,9 lx
10%	21,8 lx
30%	65,4 lx
50%	109 lx

Conditions:

Number of c-planes: 2

Lux at center: 218 lx

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

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Total lumen output:

1700 lm

Peak candela output:

50885 cd

Light quality:

CRI: 96,9

Color temperature:

3983 K

PRODUCT NAME:

ECLFRCTPS

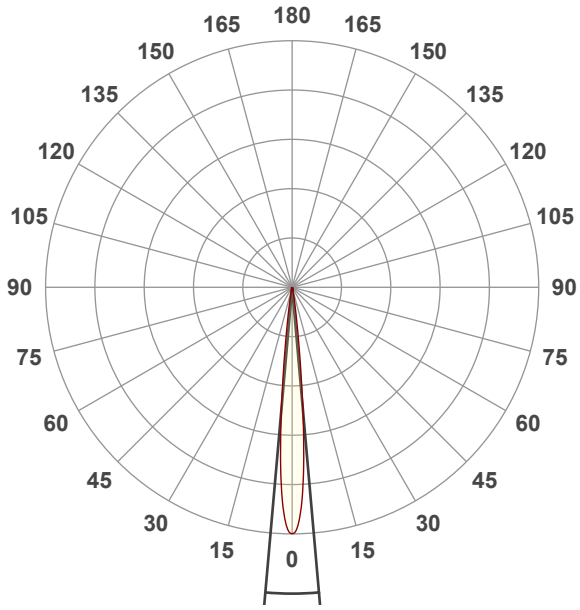
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
4000K - **HQ**

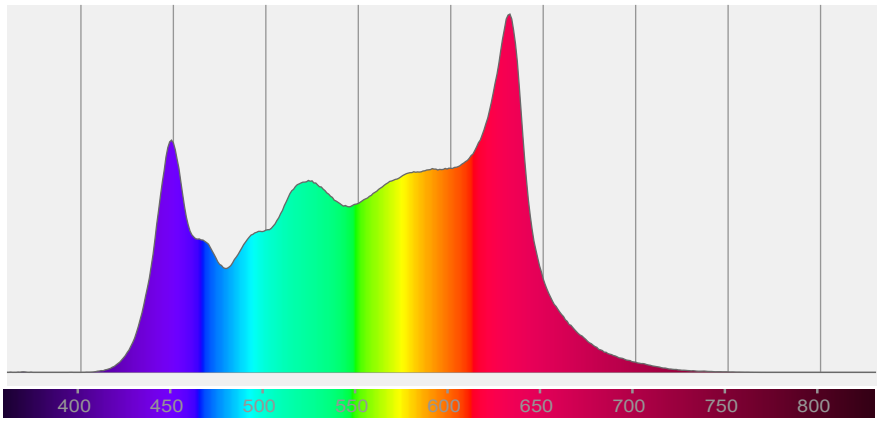
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:50:22

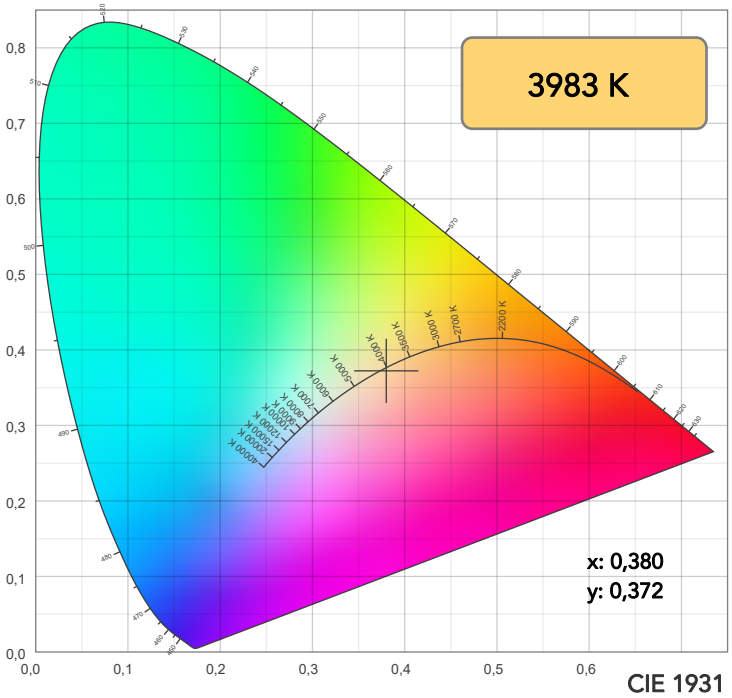


Beam angle 50%: 10°
Field angle 10%: 16,9°
Cut off angle 2.5%: 22,8°

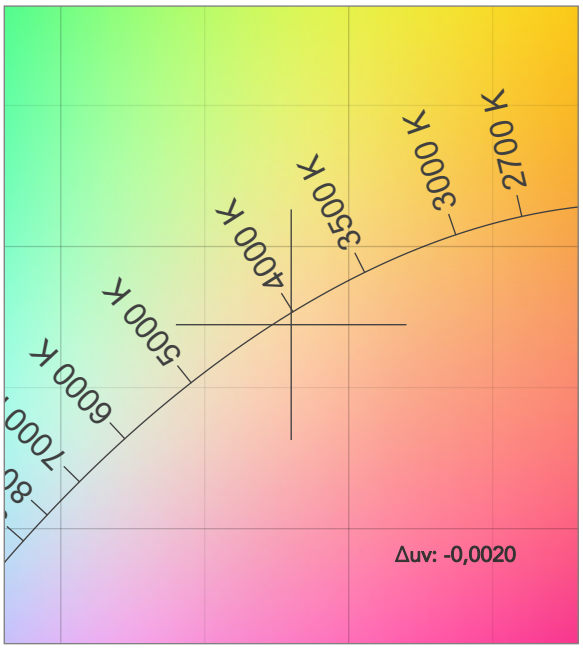
Spectra



COLOR DETAILS

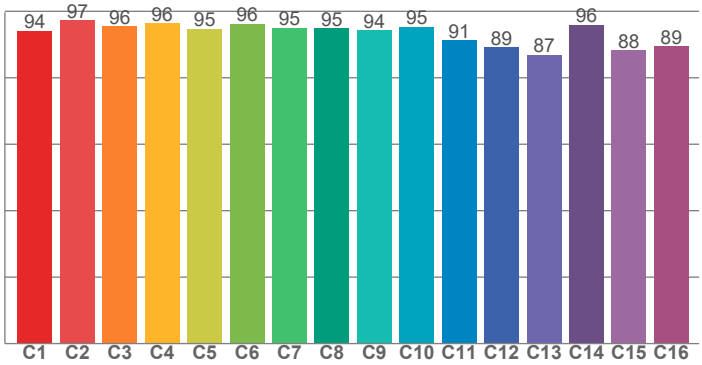


CIE 1931

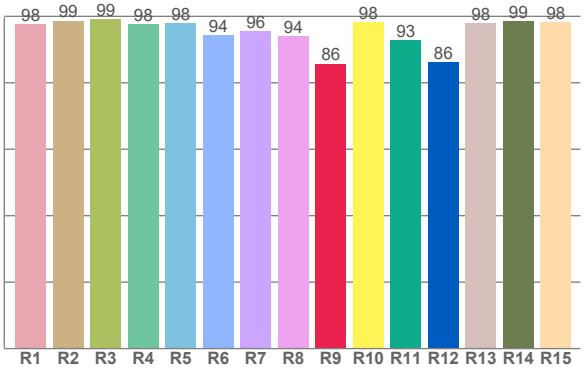


CIE 1931 ZOOM

TM30: 93,6



CRI: 96,9 (R1-R8)



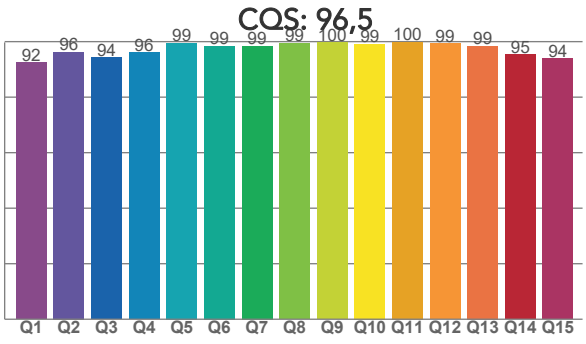
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,6	98,6	99,2	97,5	97,9	94,3	95,6	94,0	85,8	98,3	92,8	86,1	97,9	98,6	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
94,1	97,3	95,5	96,4	94,8	96,2	95,0	94,9	94,2	95,4	91,3	89,2	86,9	96,0	88,3	89,5

CQS: 96,5



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,5	96,2	94,2	96,1	99,5	98,5	98,5	99,4	99,7	99,2	99,8	99,3	98,5	95,4	93,9

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3983 K	96,9	85,8	93,6	100,7	96,5	88	0,380	0,372	-0,0020

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TM30 DETAILS

PROLiGHTS

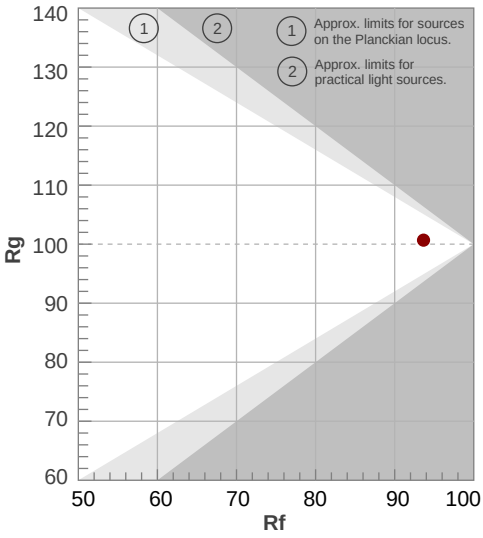
Rf 93,6

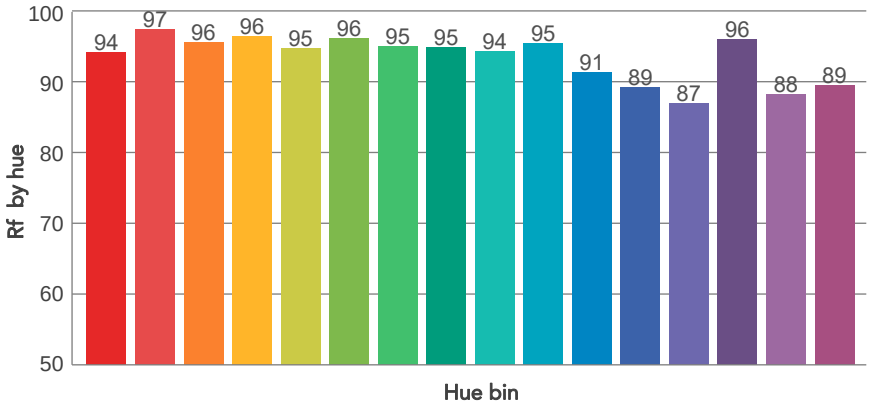
Fidelity index Rf

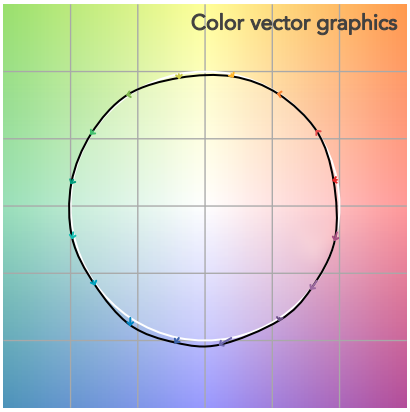
Rg 100,7

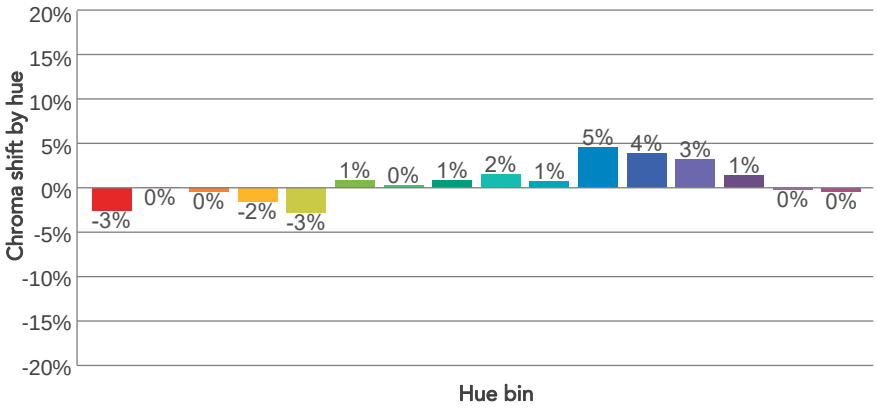
Gammut index

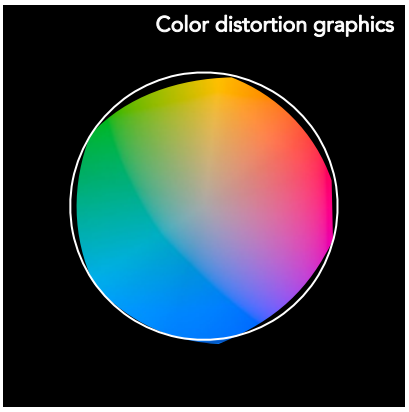
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-3%	0%
2	97	0%	0%
3	96	0%	1%
4	96	-2%	-1%
5	95	-3%	0%
6	96	1%	2%
7	95	0%	2%
8	95	1%	3%
9	94	2%	4%
10	95	1%	3%
11	91	5%	3%
12	89	4%	-2%
13	87	3%	-9%
14	96	1%	-1%
15	88	0%	-7%
16	89	0%	-6%

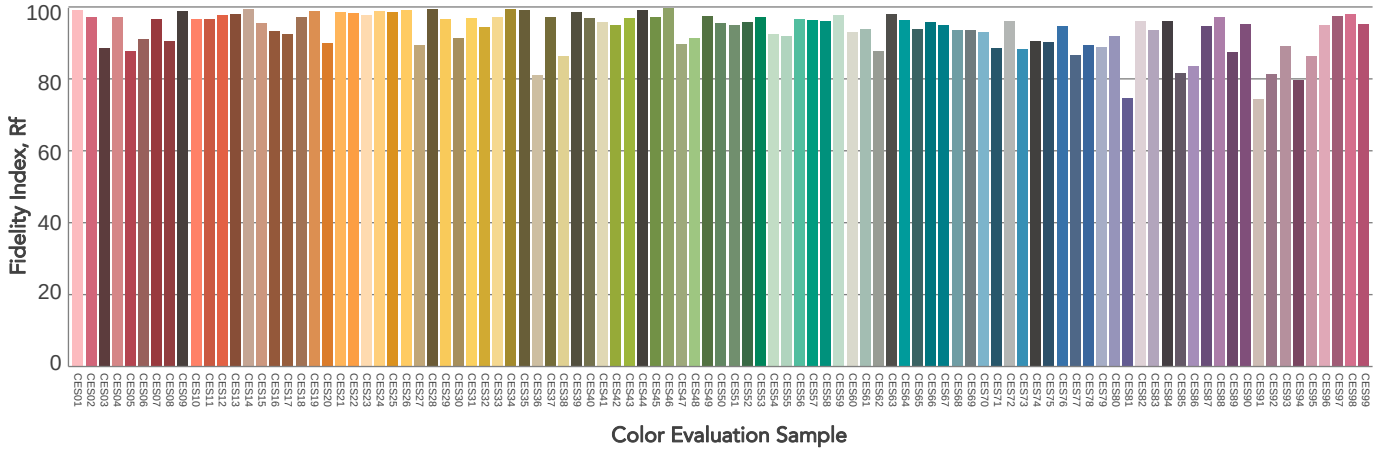












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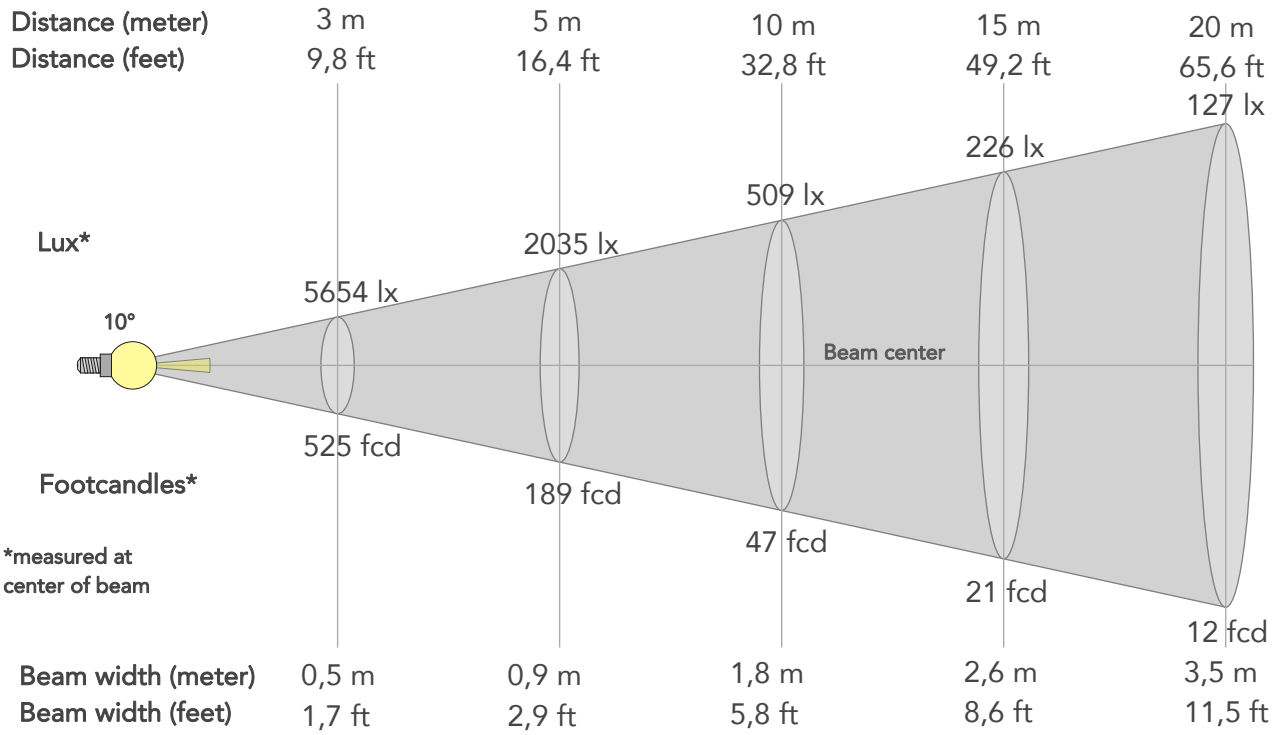
BEAM DETAILS

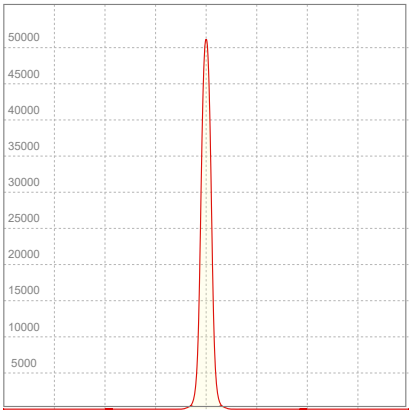
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	16,9°	22,8°	100,0%	100,0%



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	50885lx	12721lx	5654lx	3180lx	2035lx	905lx	509lx	226lx	127lx	81lx	57lx	32lx	20lx
Footcand.	4727fcd	1182fcd	525fcd	295fcd	189fcd	84fcd	47fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,6ft	11,5ft	14,4ft	17,3ft	23ft	28,8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,721A	163,3W	10lm/W

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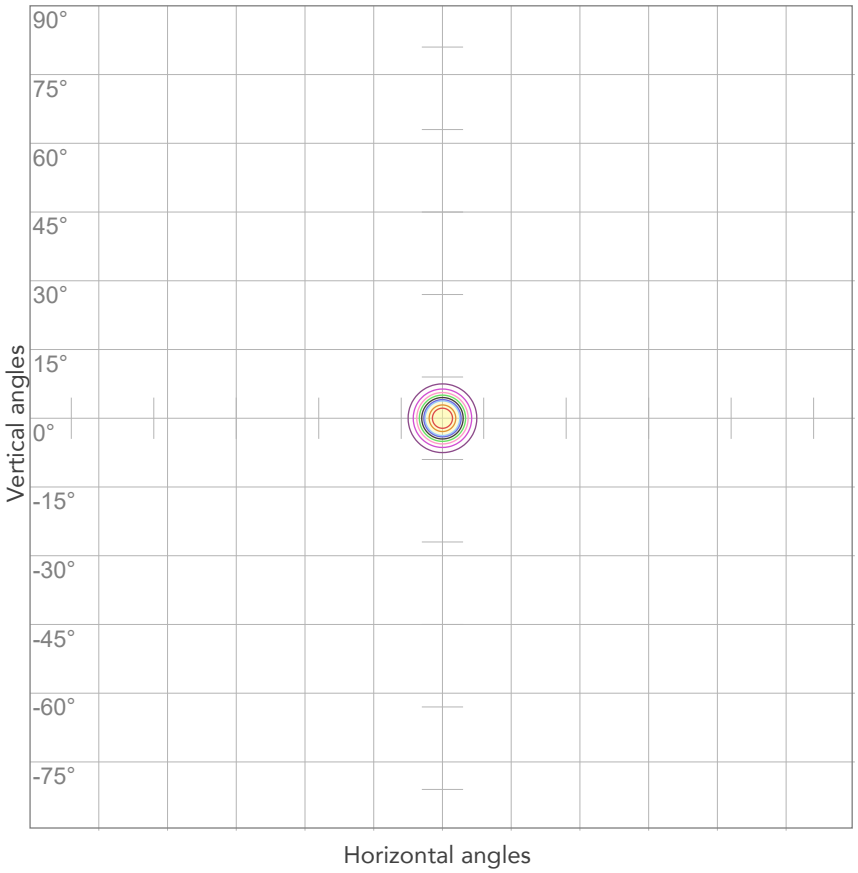
ISO DIAGRAMS

ISO CANDELA DIAGRAM



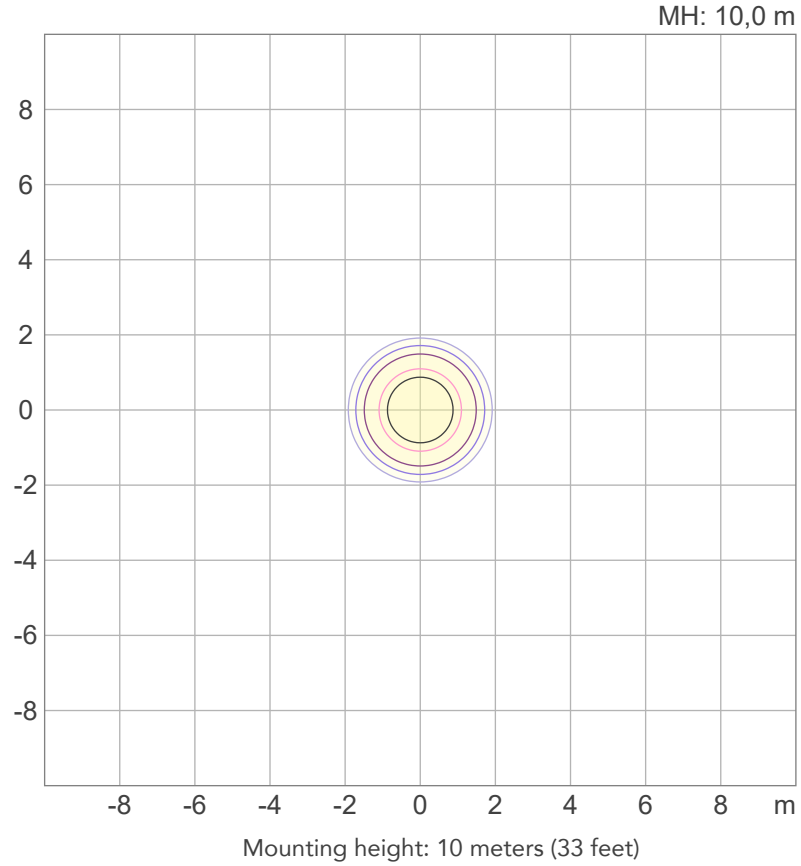
10%	5089 cd
20%	10177 cd
30%	15266 cd
40%	20354 cd
50%	25443 cd
60%	30531 cd
70%	35620 cd
80%	40708 cd

Conditions:

Number of c-planes: 2

Candela at center: 50885 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	15,3 lx
5%	25,4 lx
10%	50,9 lx
30%	153 lx
50%	254 lx

Conditions:

Number of c-planes: 2

Lux at center: 509 lx

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

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Total lumen output:

2903 lm

Peak candela output:

4368 cd

Light quality:

CRI: 97,2

Color temperature:

5603 K

PRODUCT NAME:

ECLFRCTPS

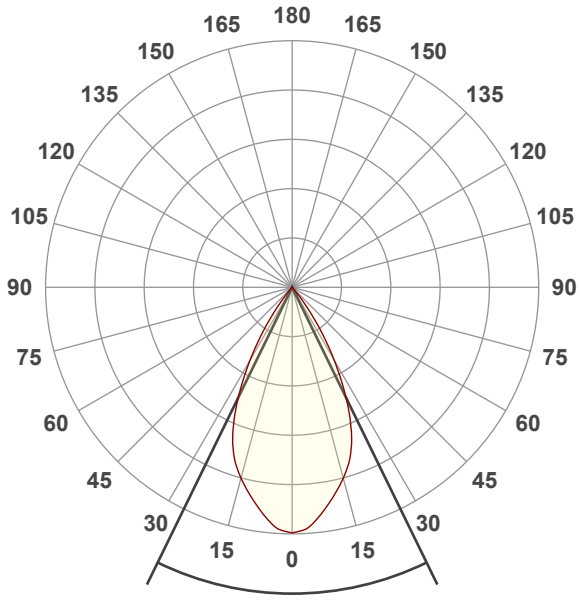
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
5600K - **HQ**

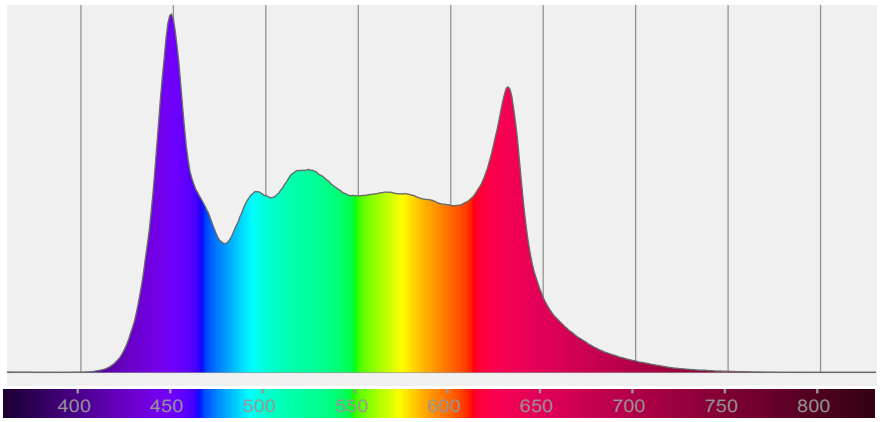
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:58:53



Beam angle 50%: 52,1°
Field angle 10%: 73,7°
Cut off angle 2.5%: 81,6°

Spectra



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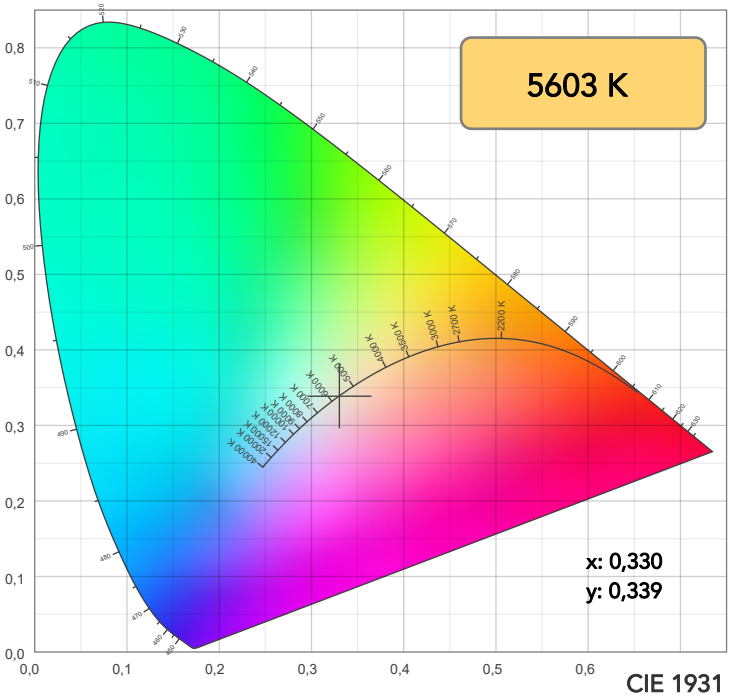
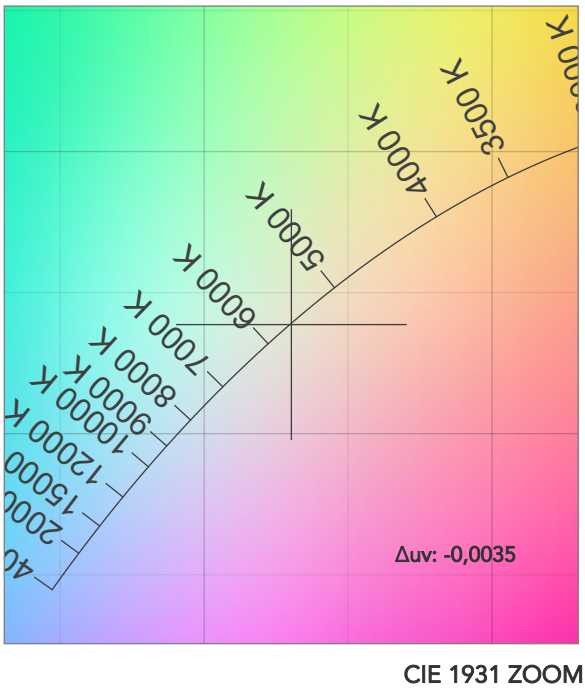
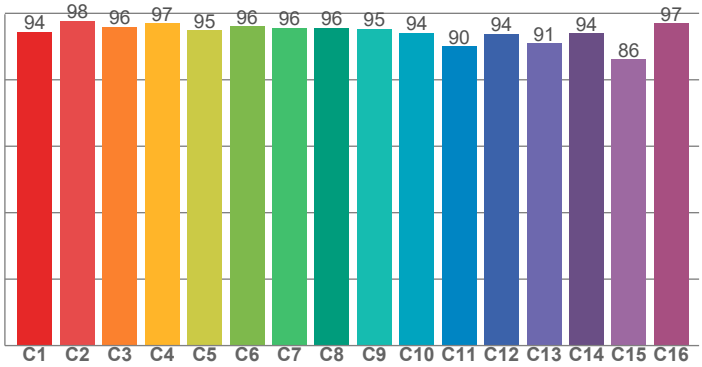
COLOR DETAILS

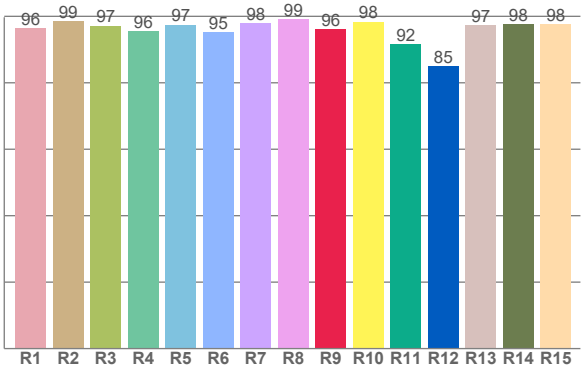




TM30: 94,3



CRI: 97,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,5	98,5	97,2	95,5	97,5	95,2	97,9	99,1	96,2	98,4	91,5	84,9	97,2	97,6	97,7

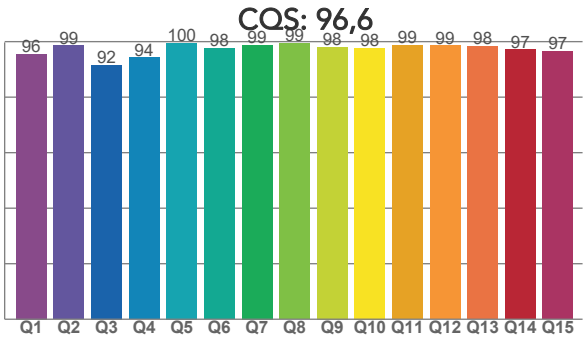
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	97,8	95,9	97,0	94,8	96,0	95,6	95,7	95,2	94,1	90,0	93,8	91,0	94,0	86,2	97,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,6	98,5	91,6	94,3	99,5	97,6	98,8	99,4	98,1	97,6	98,7	98,5	98,3	97,1	96,5

CQS: 96,6



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5603 K	97,2	96,2	94,3	102,1	96,6	94	0,330	0,339	-0,0035

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TM30 DETAILS

PROLiGHTS

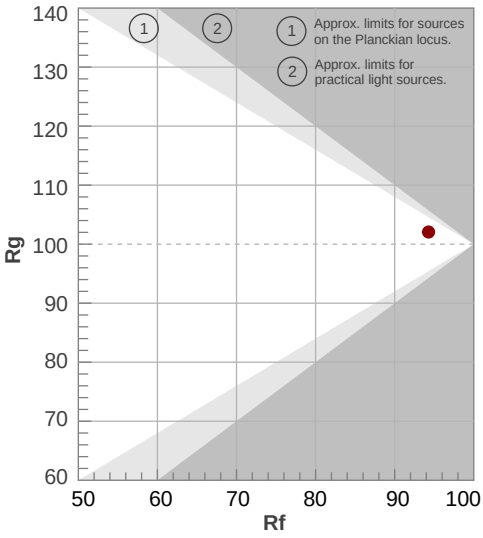
Rf 94,3

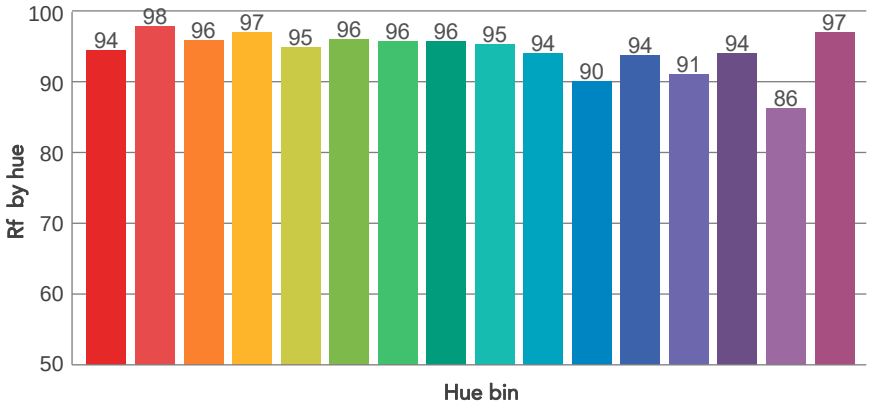
Fidelity index Rf

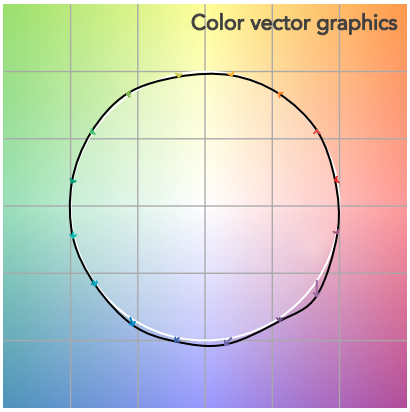
Rg 102,1

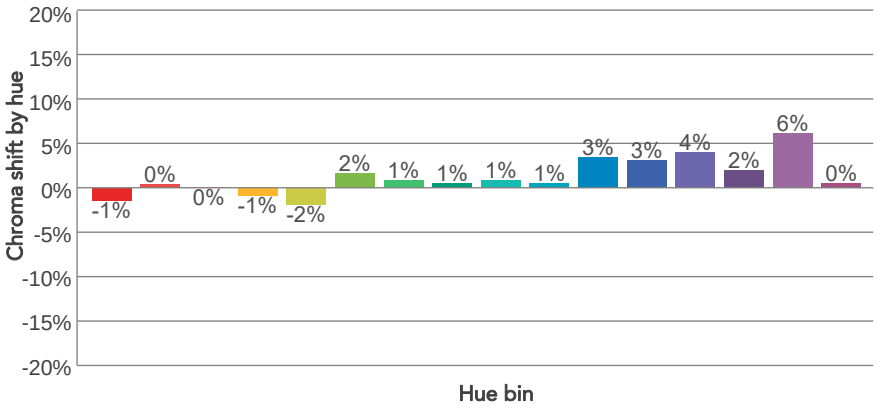
Gammut index

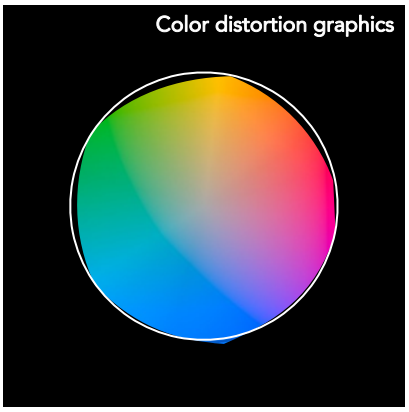
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-1%	0%
2	98	0%	1%
3	96	0%	1%
4	97	-1%	0%
5	95	-2%	0%
6	96	2%	2%
7	96	1%	2%
8	96	1%	2%
9	95	1%	4%
10	94	1%	4%
11	90	3%	5%
12	94	3%	-2%
13	91	4%	-5%
14	94	2%	-1%
15	86	6%	-10%
16	97	0%	-1%

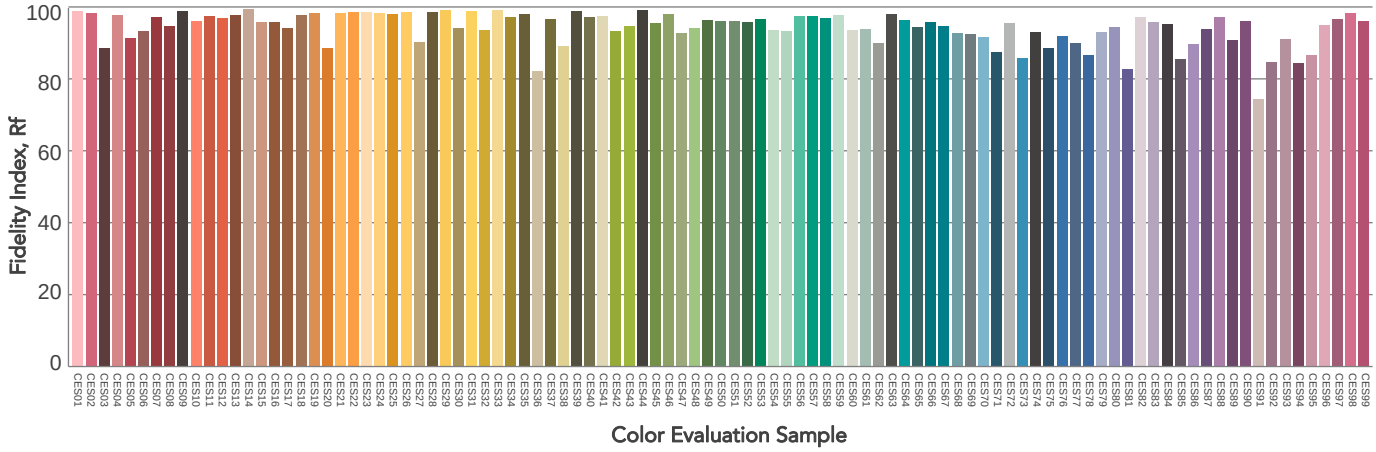












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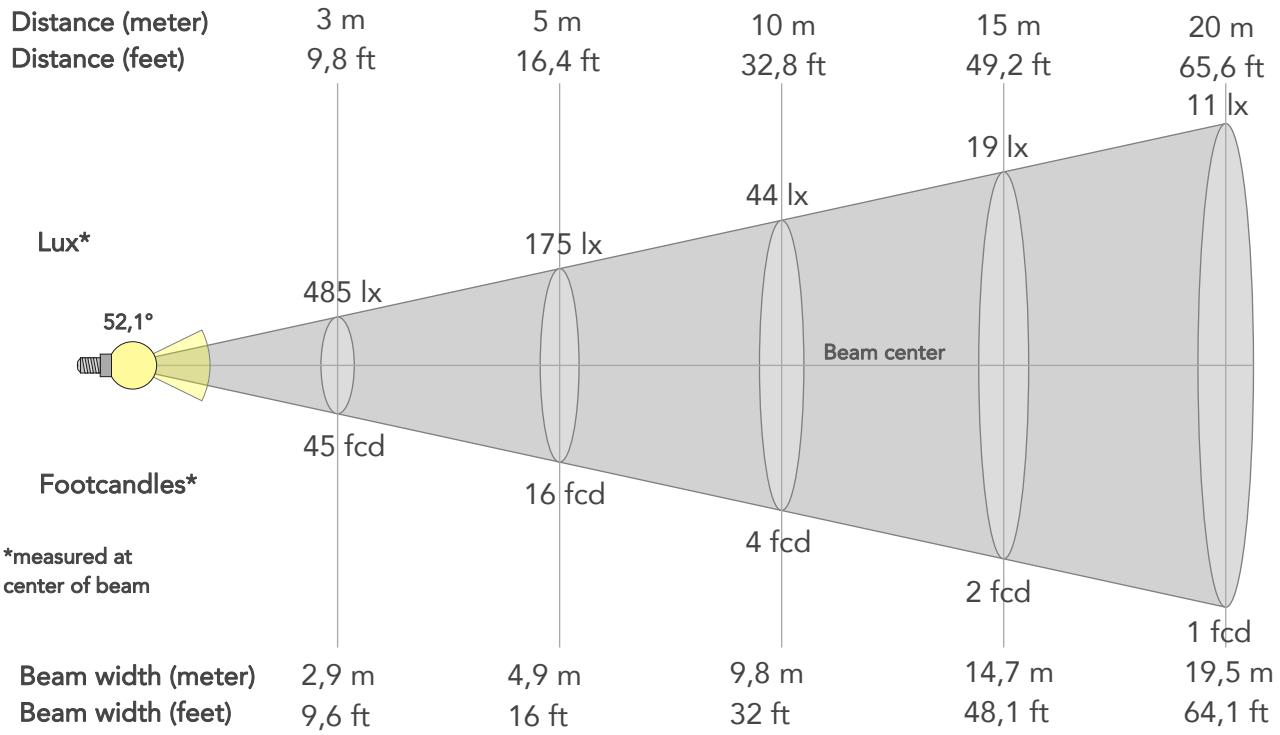
BEAM DETAILS

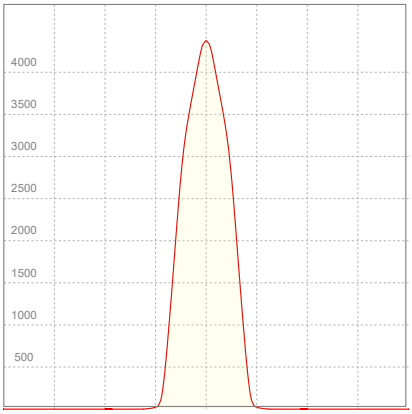
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,1°	73,7°	81,6°	100,0%	99,7%



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	4368lx	1092lx	485lx	273lx	175lx	78lx	44lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	406fcd	101fcd	45fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,3m	9,8m	14,7m	19,5m	24,4m	29,3m	39,1m	48,9m
Beam wid.	3,2ft	6,4ft	9,6ft	12,8ft	16ft	24ft	32ft	48,1ft	64,1ft	80,1ft	96,1ft	128,2ft	160,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,493A	110,1W	26lm/W

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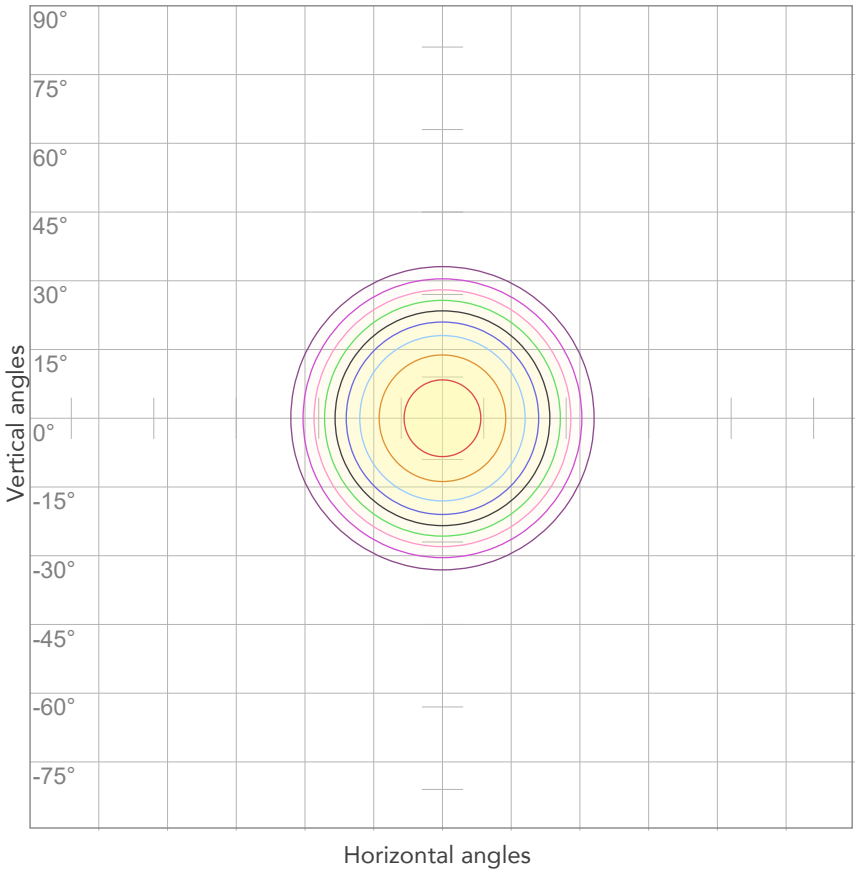
ISO DIAGRAMS

ISO CANDELA DIAGRAM



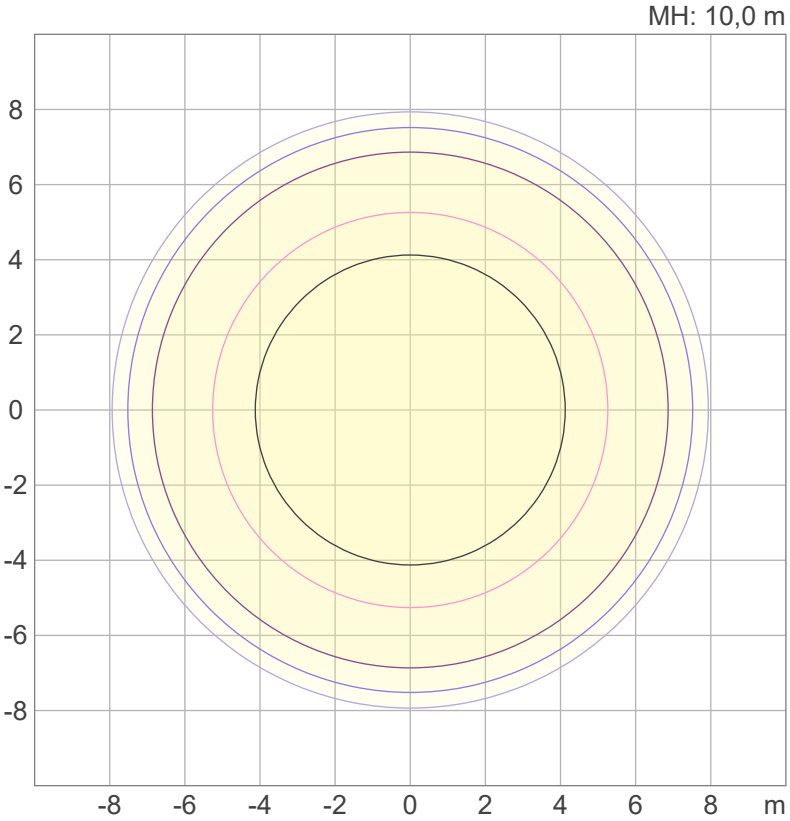
10%	437 cd
20%	874 cd
30%	1311 cd
40%	1747 cd
50%	2184 cd
60%	2621 cd
70%	3058 cd
80%	3495 cd

Conditions:

Number of c-planes: 2

Candela at center: 4368 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,31 lx
5%	2,18 lx
10%	4,37 lx
30%	13,1 lx
50%	21,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 43,7 lx

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

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Total lumen output:

2137 lm

Peak candela output:

14773 cd

Light quality:

CRI: 97,3

Color temperature:

5704 K

PRODUCT NAME:

ECLFRCTPS

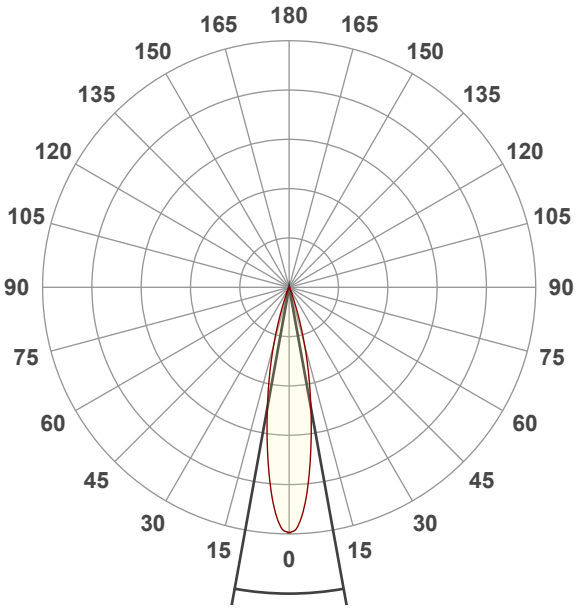
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
5600K - **HQ**

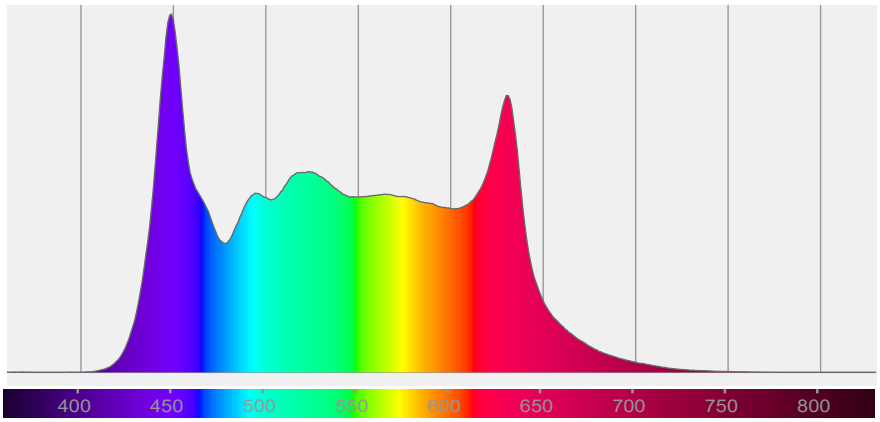
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:42:53

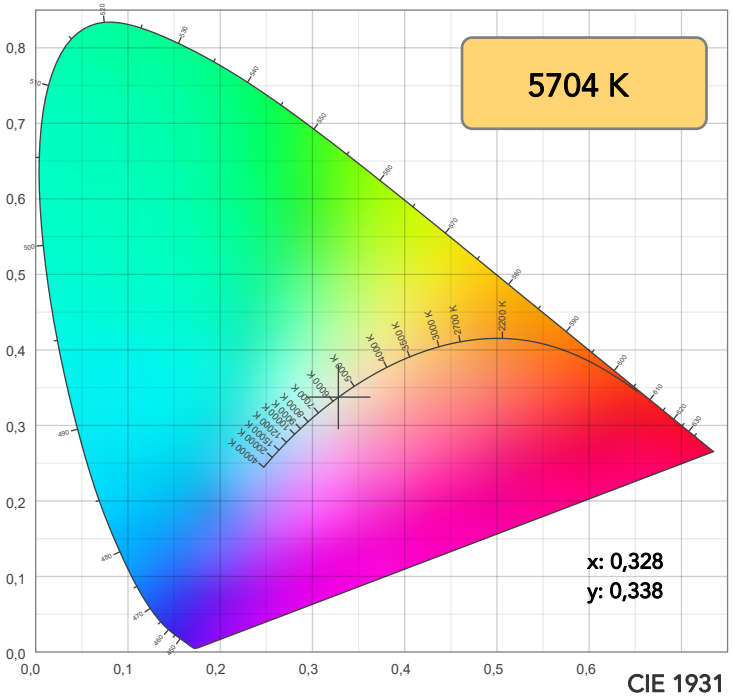


Beam angle 50%: 20,5°
Field angle 10%: 37,1°
Cut off angle 2.5%: 45°

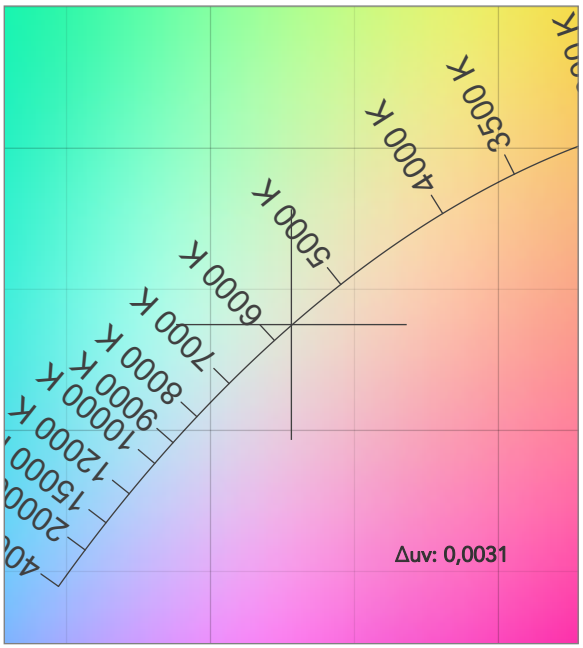
Spectra



COLOR DETAILS

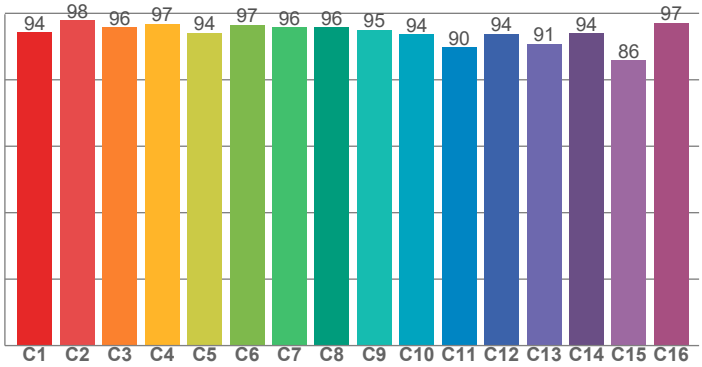


CIE 1931

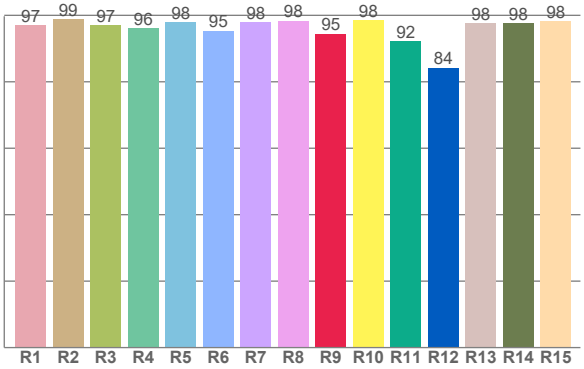


CIE 1931 ZOOM

TM30: 94,2



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,9	98,7	97,1	96,0	98,0	95,4	97,8	98,4	94,5	98,4	92,2	84,2	97,7	97,6	98,1

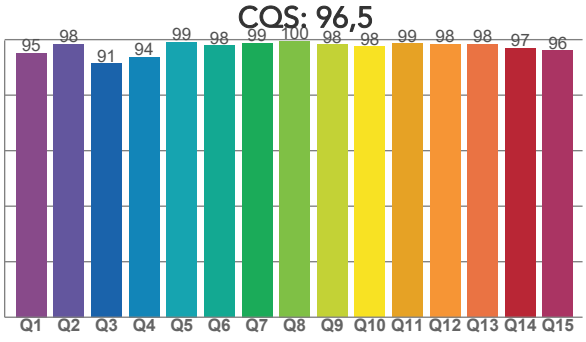
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,2	97,8	95,8	96,8	94,2	96,5	95,8	95,7	95,1	93,6	89,8	93,7	90,8	94,0	85,8	97,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	98,5	91,4	93,8	99,1	97,8	98,7	99,6	98,2	97,5	98,5	98,5	98,3	97,0	96,1

CQS: 96,5



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5704 K	97,3	94,5	94,2	101,8	96,5	94	0,328	0,338	0,0031

TM30 DETAILS

PROLiGHTS

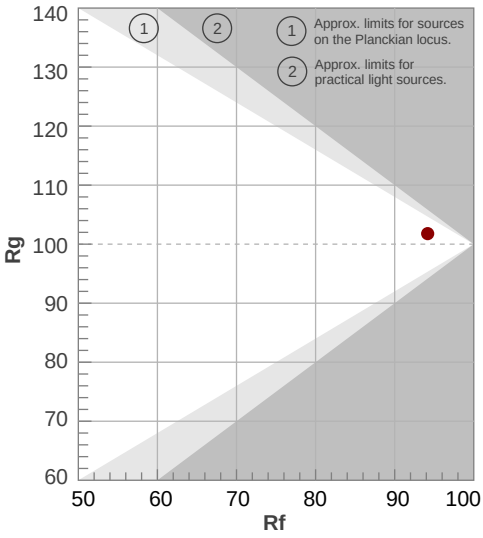
Rf 94,2

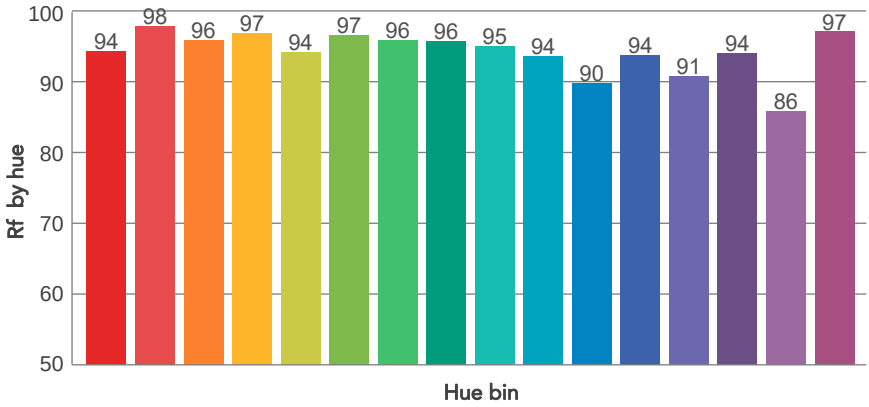
Fidelity index Rf

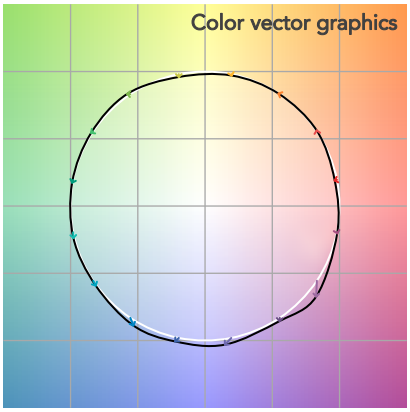
Rg 101,8

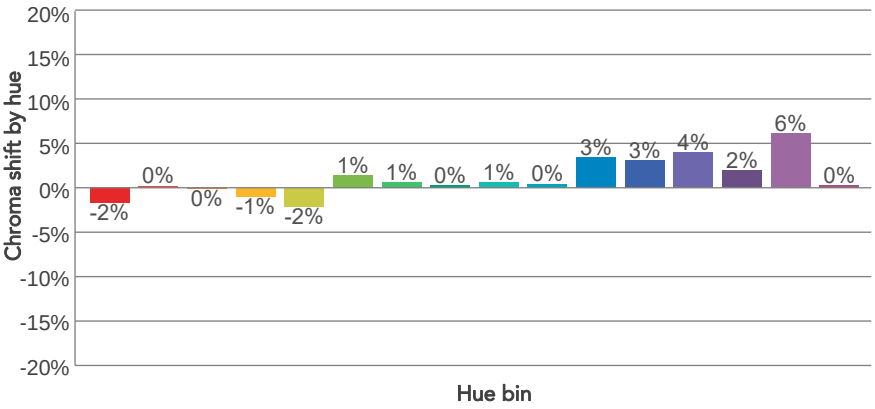
Gammut index

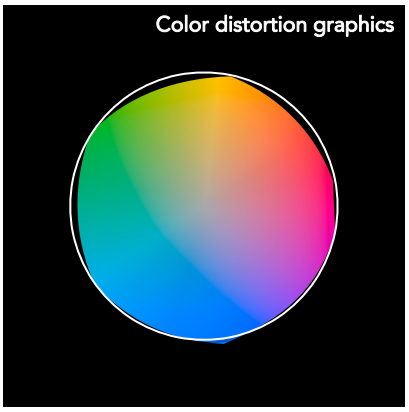
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	0%
2	98	0%	1%
3	96	0%	1%
4	97	-1%	0%
5	94	-2%	0%
6	97	1%	2%
7	96	1%	2%
8	96	0%	2%
9	95	1%	4%
10	94	0%	4%
11	90	3%	5%
12	94	3%	-2%
13	91	4%	-6%
14	94	2%	-1%
15	86	6%	-10%
16	97	0%	-1%

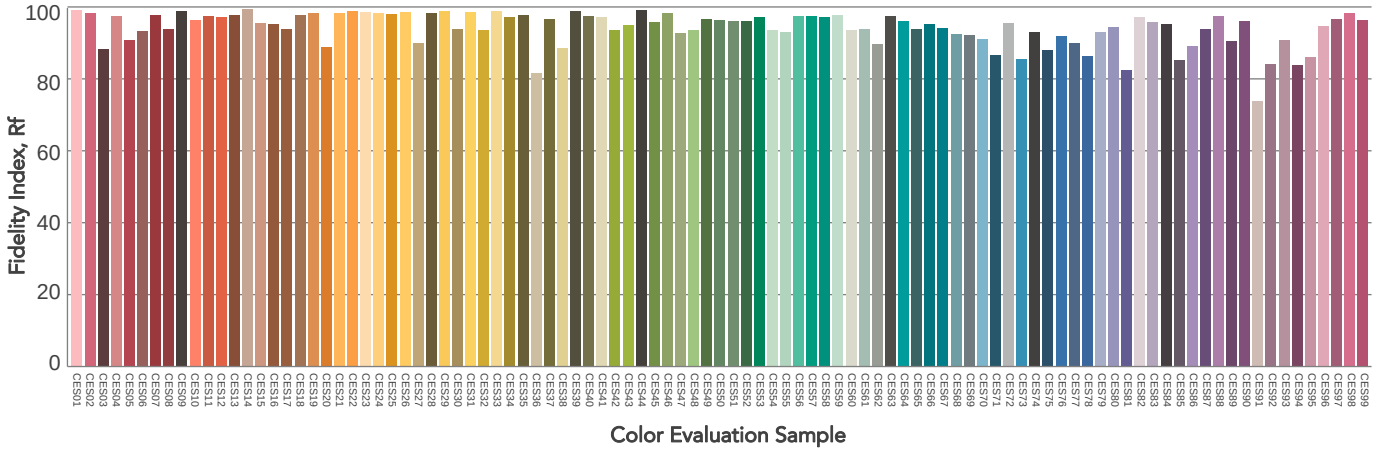












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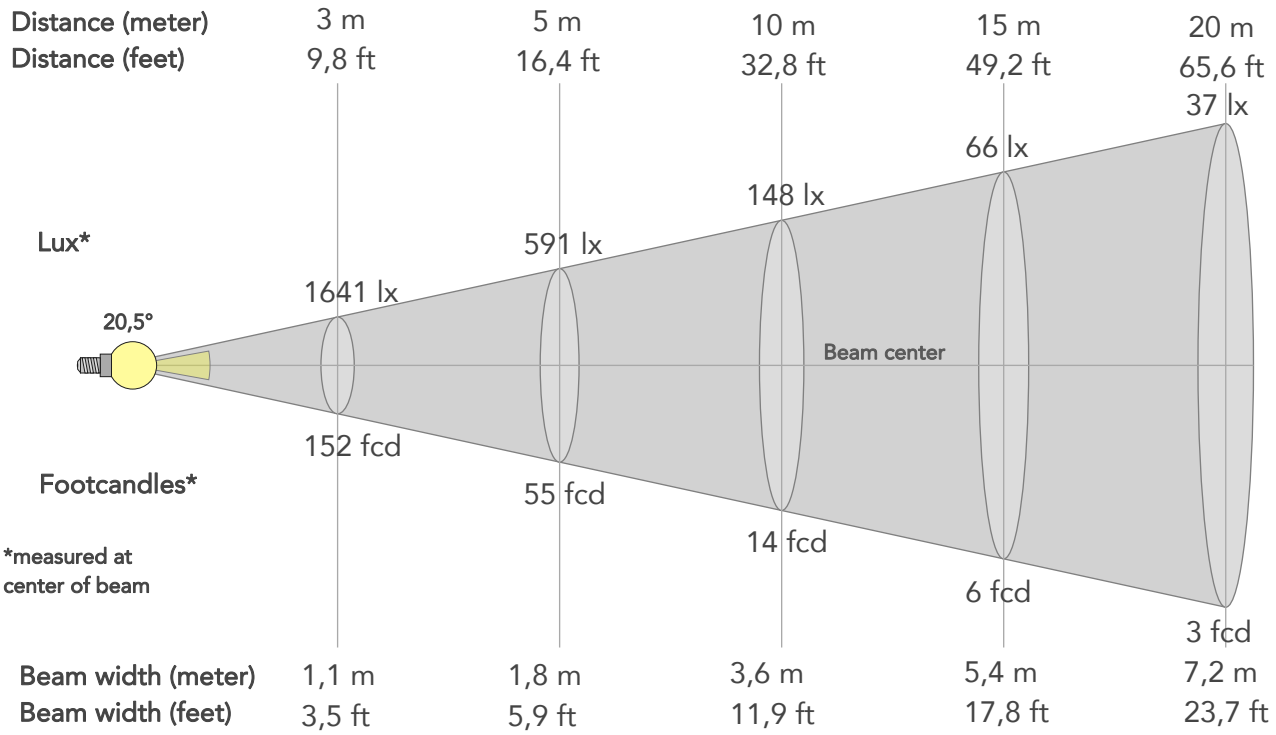
BEAM DETAILS

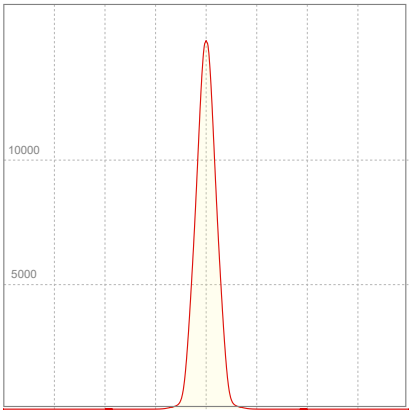
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,5°	37,1°	45°	100,0%	100,0%



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	14773lx	3693lx	1641lx	923lx	591lx	263lx	148lx	66lx	37lx	24lx	16lx	9lx	6lx
Footcand.	1372fcd	343fcd	152fcd	86fcd	55fcd	24fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,5m	18,1m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,9ft	11,9ft	17,8ft	23,7ft	29,6ft	35,6ft	47,4ft	59,3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,487A	109,5W	20lm/W

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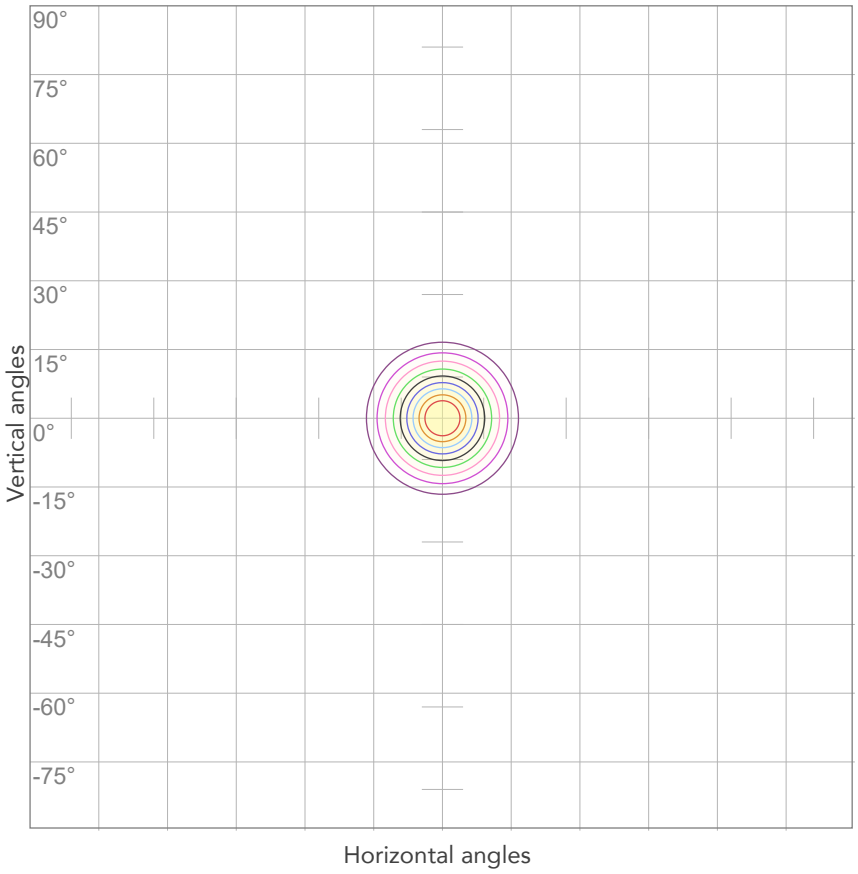
ISO DIAGRAMS

ISO CANDELA DIAGRAM



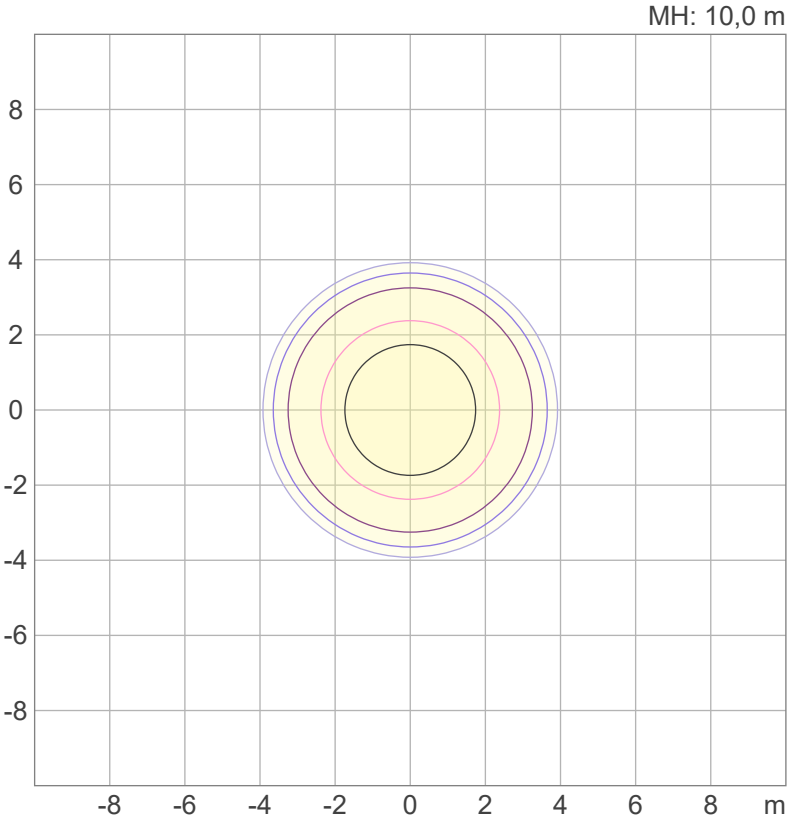
10%	1477 cd
20%	2955 cd
30%	4432 cd
40%	5909 cd
50%	7387 cd
60%	8864 cd
70%	10341 cd
80%	11819 cd

Conditions:

Number of c-planes: 2

Candela at center: 14773 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,43 lx
5%	7,39 lx
10%	14,8 lx
30%	44,3 lx
50%	73,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 148 lx

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

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Total lumen output:

1185 lm

Peak candela output:

34316 cd

Light quality:

CRI: 97,3

Color temperature:

5772 K

PRODUCT NAME:

ECLFRCTPS

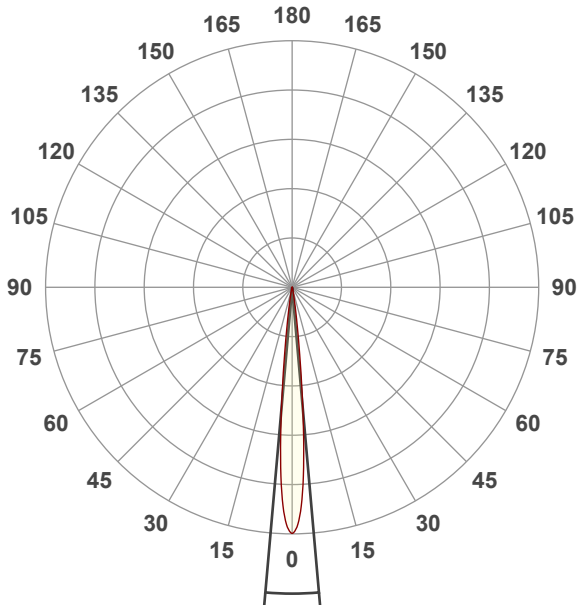
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
5600K - **HQ**

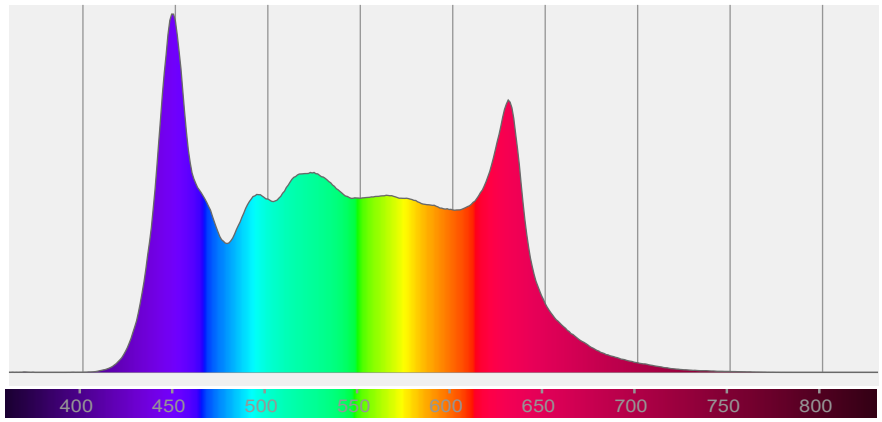
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:48:52

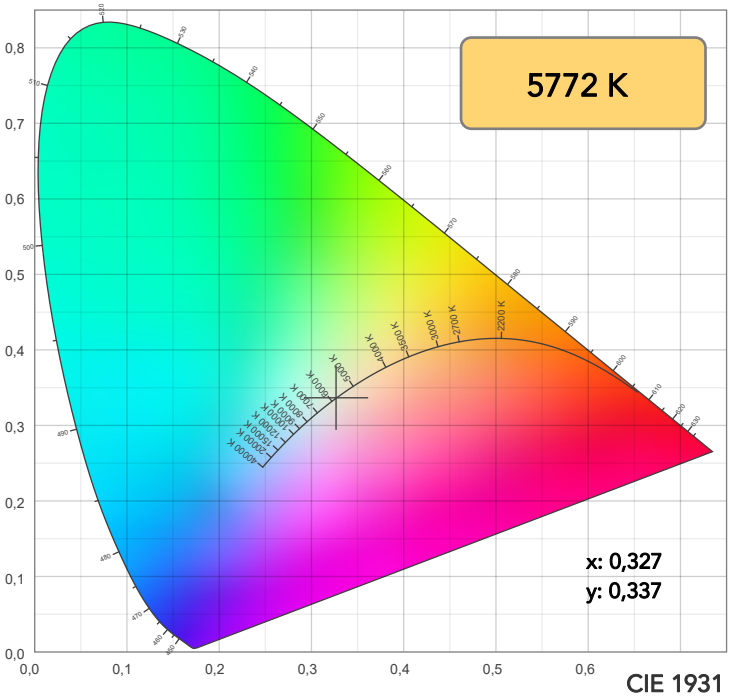


Beam angle 50%: 10°
Field angle 10%: 17°
Cut off angle 2.5%: 23,3°

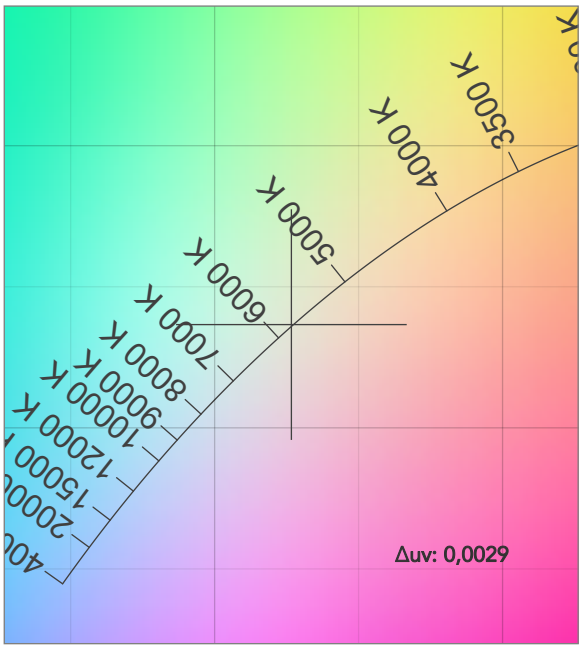
Spectra



COLOR DETAILS

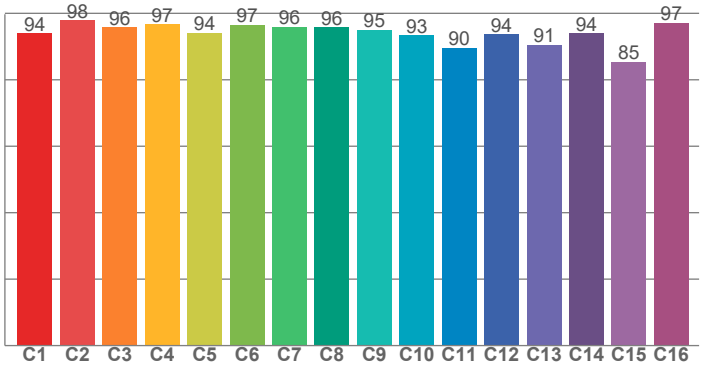


CIE 1931

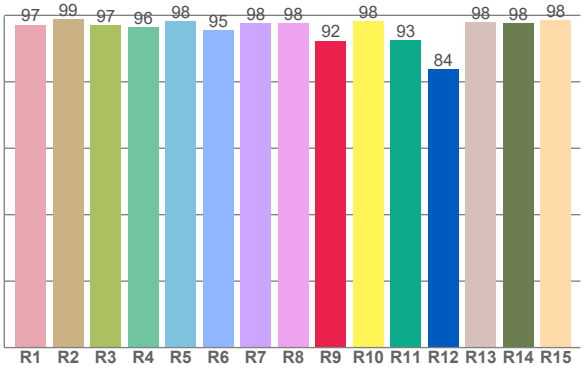


CIE 1931 ZOOM

TM30: 94,1



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,2	98,8	97,1	96,4	98,3	95,4	97,6	97,6	92,3	98,2	92,6	83,8	98,0	97,6	98,5

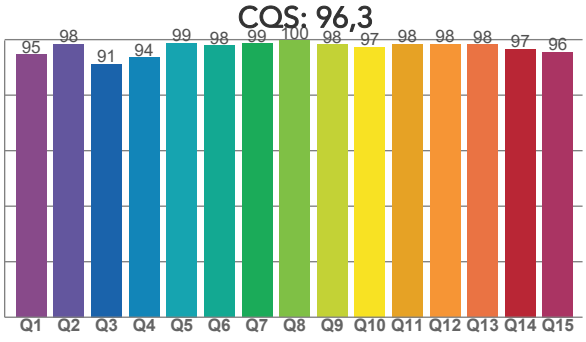
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	97,8	95,7	96,7	94,1	96,6	95,8	95,8	94,9	93,3	89,6	93,7	90,5	94,0	85,4	97,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	98,4	91,3	93,5	98,8	97,9	98,6	99,7	98,2	97,4	98,4	98,3	98,2	96,5	95,5

CQS: 96,3



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5772 K	97,3	92,3	94,1	101,6	96,3	94	0,327	0,337	0,0029

TM30 DETAILS

PROLiGHTS

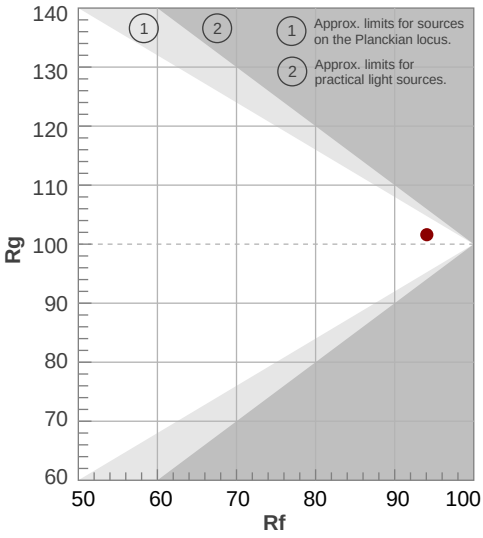
Rf 94,1

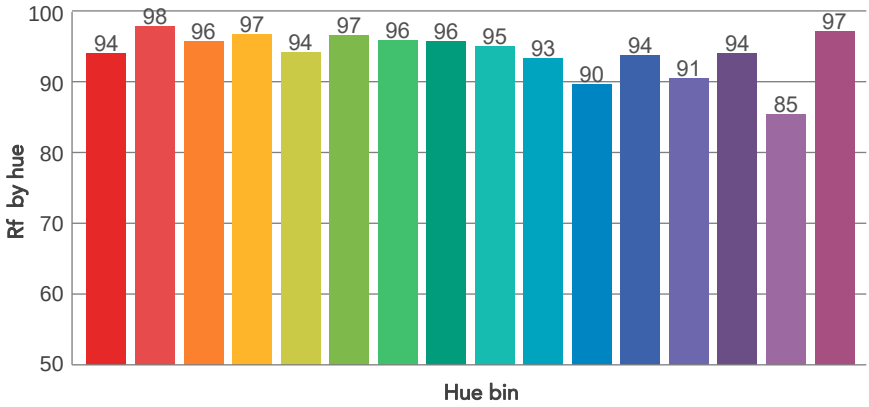
Fidelity index Rf

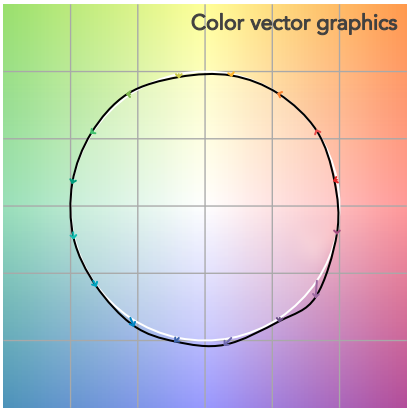
Rg 101,6

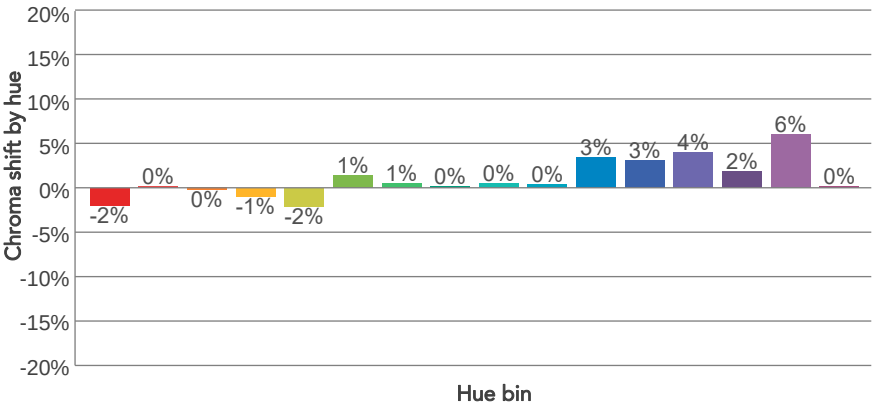
Gammut index

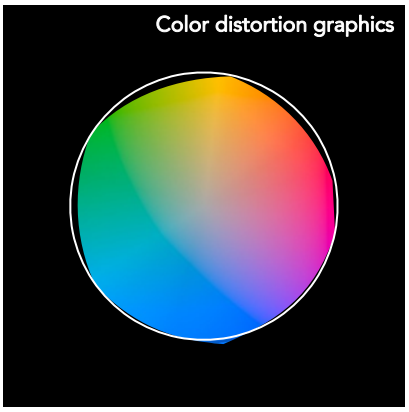
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	0%
2	98	0%	1%
3	96	0%	1%
4	97	-1%	0%
5	94	-2%	0%
6	97	1%	2%
7	96	1%	2%
8	96	0%	2%
9	95	0%	4%
10	93	0%	4%
11	90	3%	5%
12	94	3%	-2%
13	91	4%	-6%
14	94	2%	-2%
15	85	6%	-11%
16	97	0%	-1%

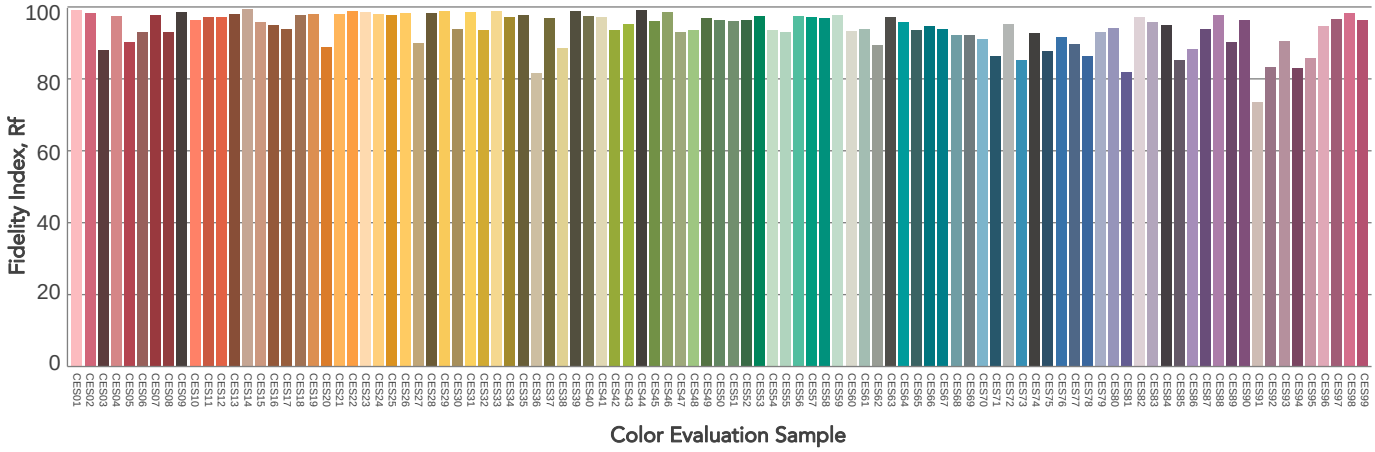












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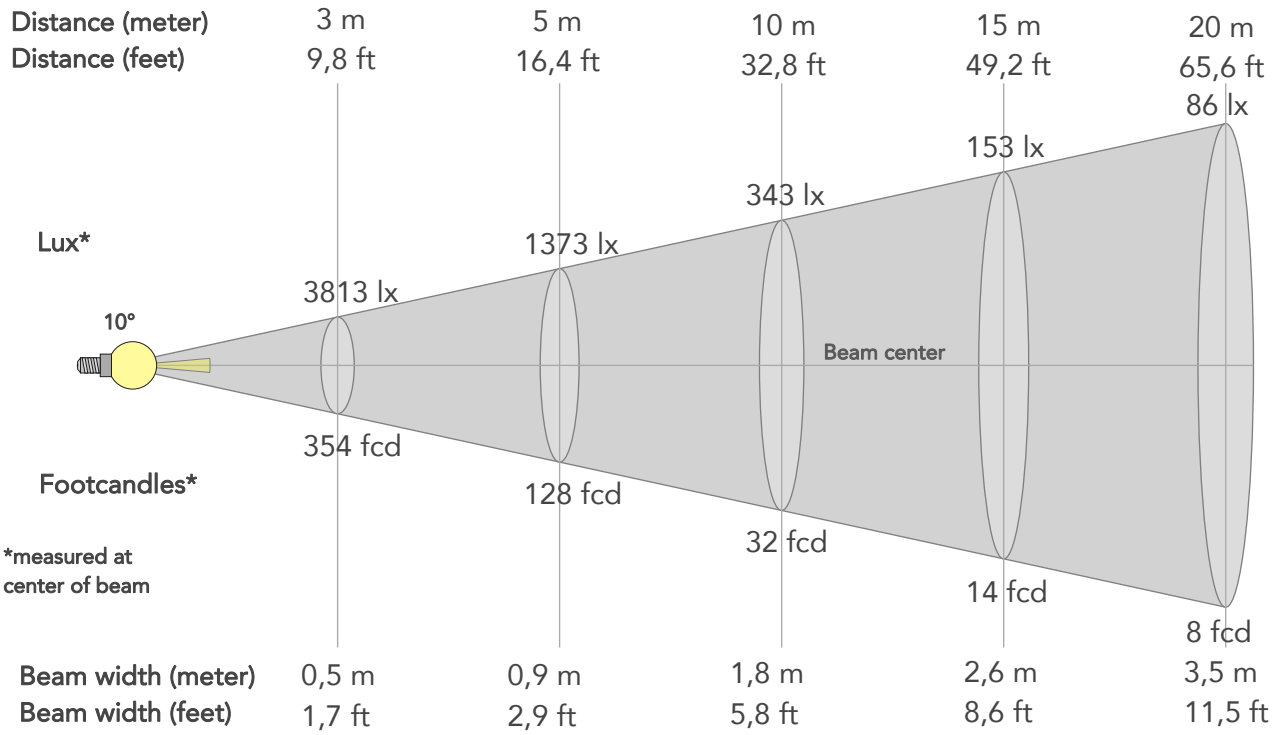
BEAM DETAILS

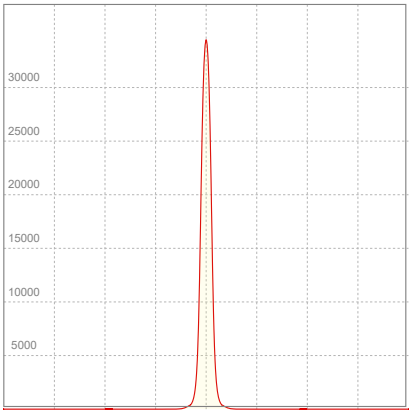
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	17°	23,3°	100,0%	100,0%



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	34316lx	8579lx	3813lx	2145lx	1373lx	610lx	343lx	153lx	86lx	55lx	38lx	21lx	14lx
Footcand.	3188fcd	797fcd	354fcd	199fcd	128fcd	57fcd	32fcd	14fcd	8fcd	5fcd	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	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,6ft	11,5ft	14,4ft	17,3ft	23ft	28,8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,485A	107,7W	11lm/W

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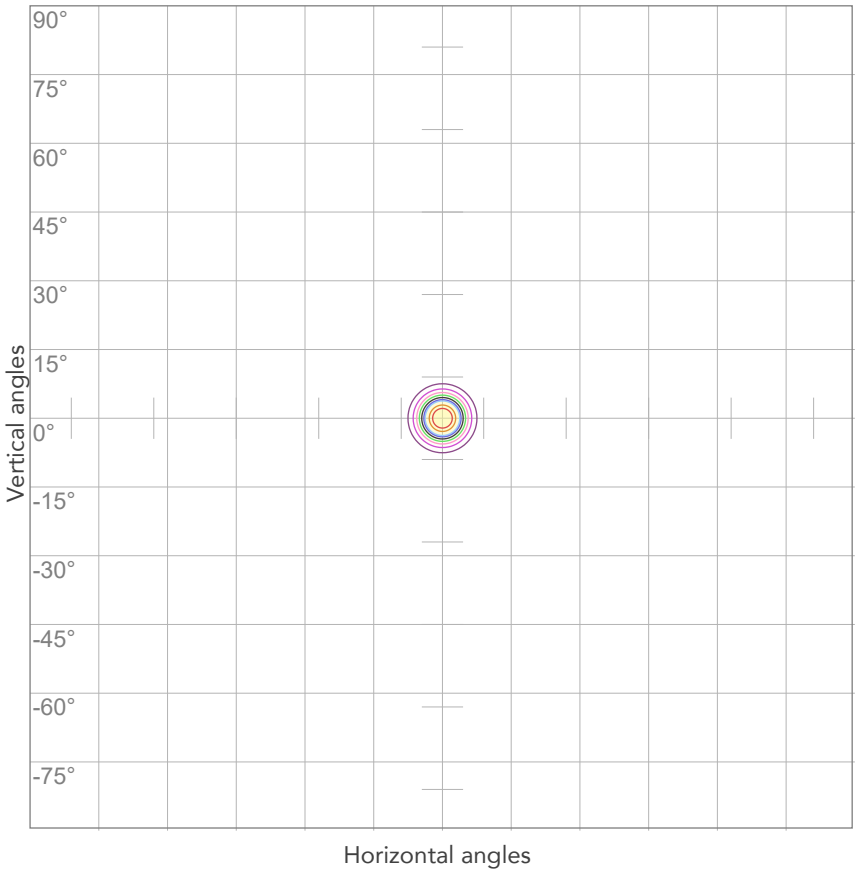
ISO DIAGRAMS

ISO CANDELA DIAGRAM



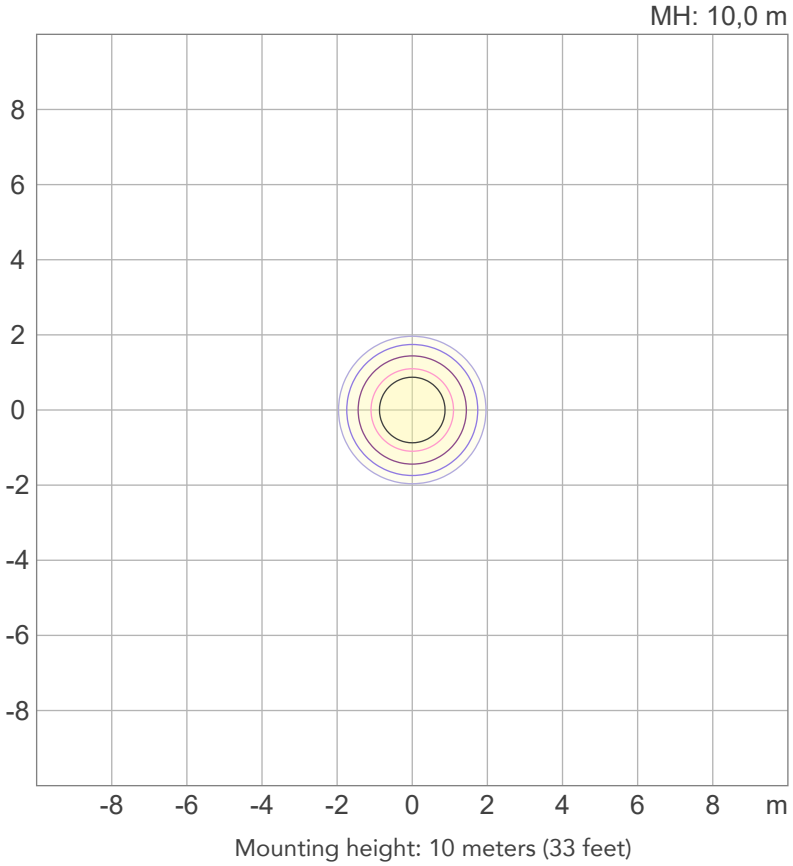
10%	3432 cd
20%	6863 cd
30%	10295 cd
40%	13726 cd
50%	17158 cd
60%	20590 cd
70%	24021 cd
80%	27453 cd

Conditions:

Number of c-planes: 2

Candela at center: 34316 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	10,3 lx
5%	17,2 lx
10%	34,3 lx
30%	103 lx
50%	172 lx

Conditions:

Number of c-planes: 2

Lux at center: 343 lx

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

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Total lumen output:

2569 lm

Peak candela output:

3890 cd

Light quality:

CRI: 97,2

Color temperature:

6039 K

PRODUCT NAME:

ECLFRCTPS

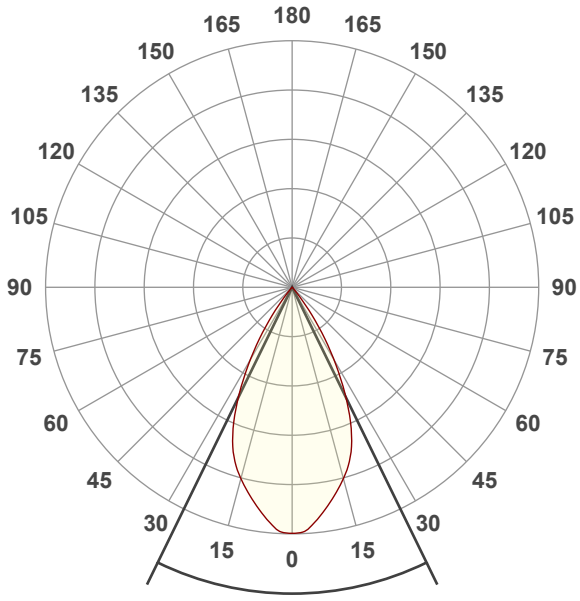
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
6000K - **HQ**

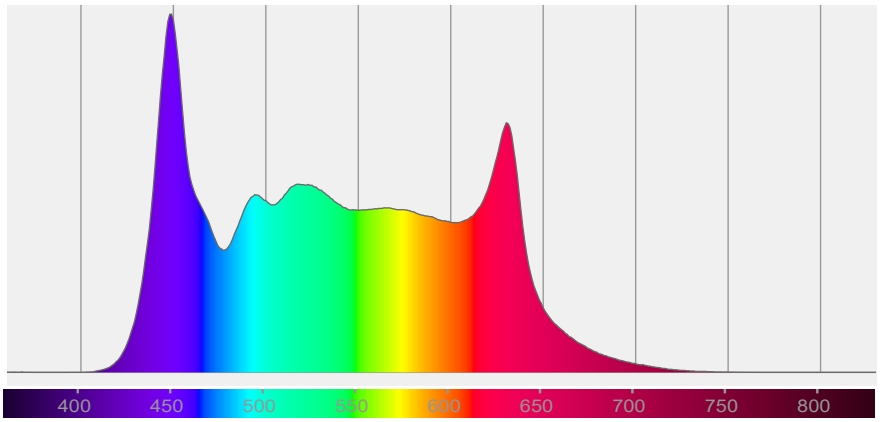
Operator:
Salvatore Giglio

Date and time:
18/09/2023 12:00:23

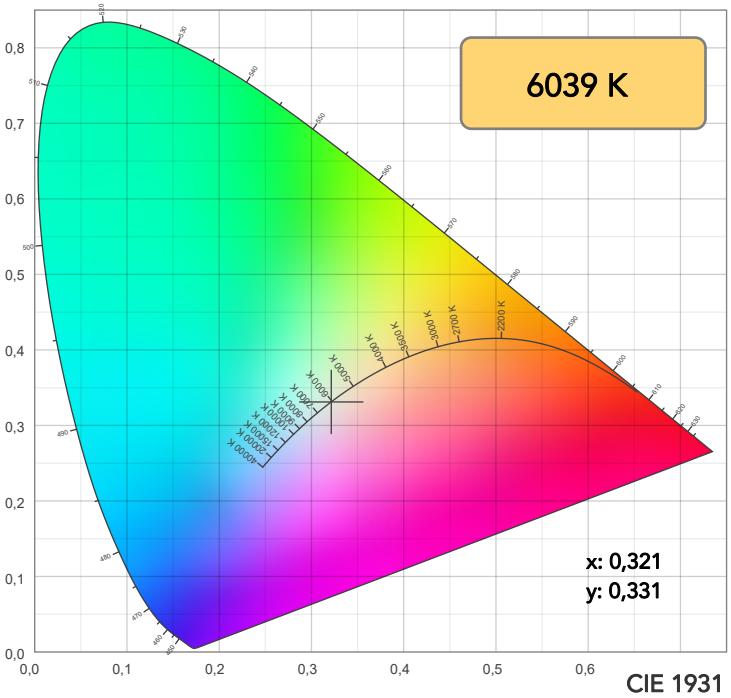


Beam angle 50%: 52,1°
Field angle 10%: 73,6°
Cut off angle 2.5%: 80,9°

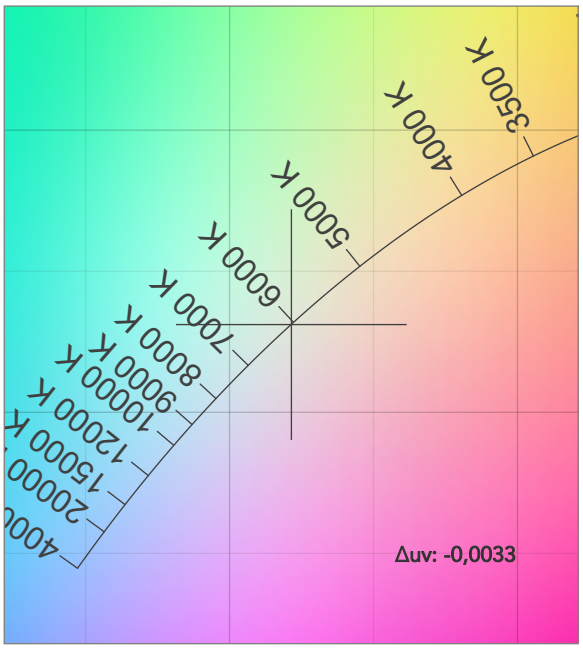
Spectra



COLOR DETAILS

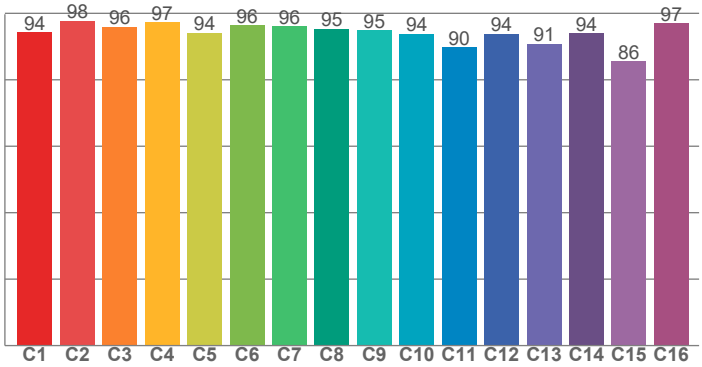


CIE 1931

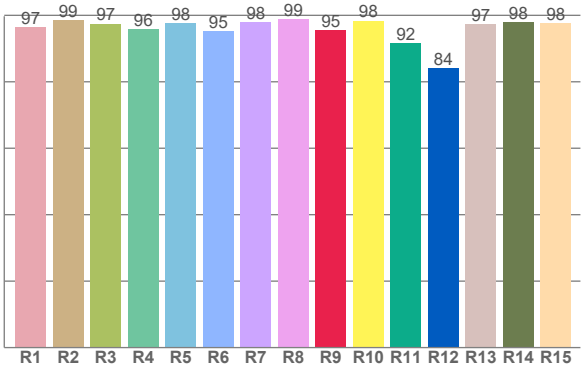


CIE 1931 ZOOM

TM30: 94,1



CRI: 97,2 (R1-R8)



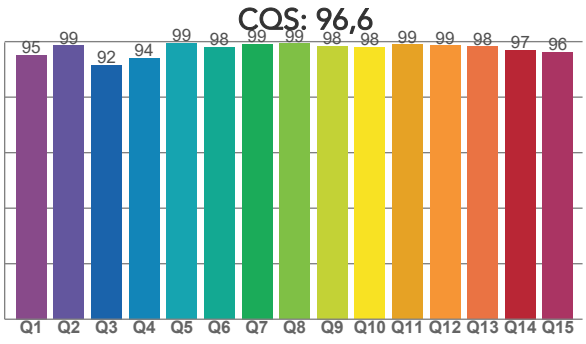
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,5	98,6	97,4	95,8	97,6	95,2	98,0	98,7	95,5	98,4	91,7	84,0	97,3	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
94,2	97,7	95,9	97,3	94,1	96,3	96,1	95,4	94,9	93,7	89,7	93,8	90,9	94,0	85,6	97,0

CQS: 96,6



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,2	98,6	91,6	94,1	99,4	98,0	99,2	99,3	98,4	98,0	98,9	98,6	98,2	97,0	96,2

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6039 K	97,2	95,5	94,1	101,9	96,6	94	0,321	0,331	-0,0033

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TM30 DETAILS

PROLiGHTS

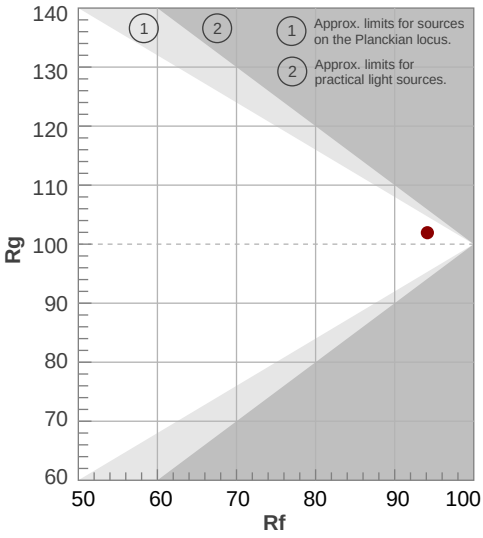
Rf 94,1

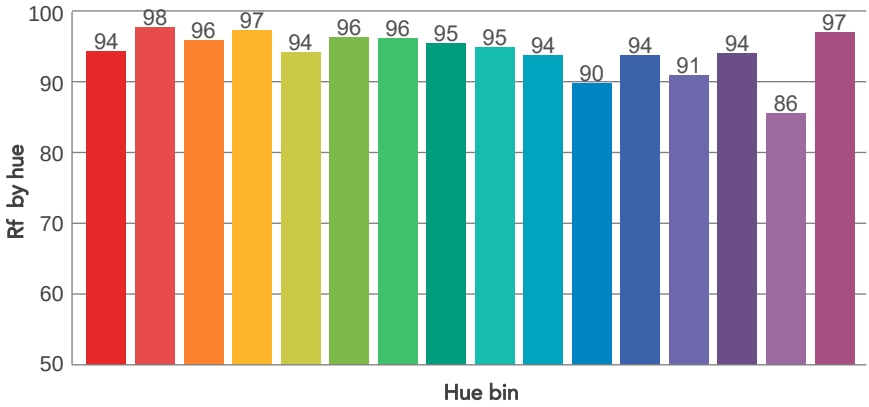
Fidelity index Rf

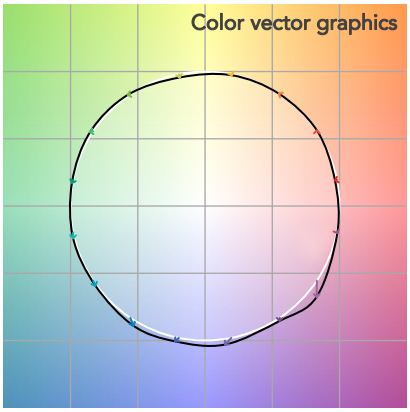
Rg 101,9

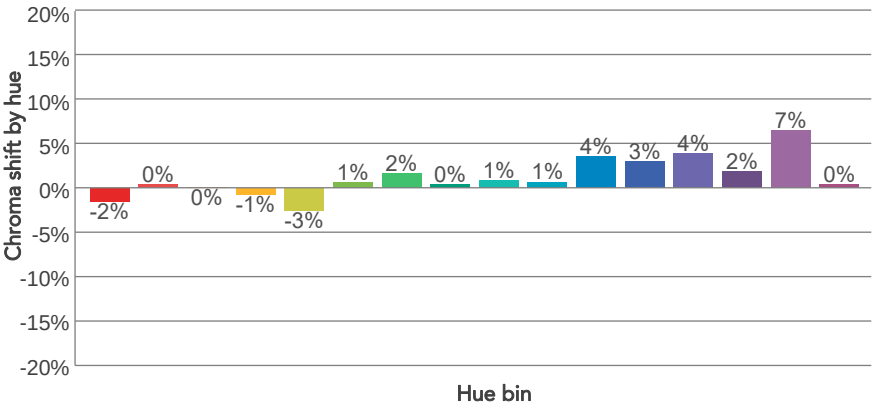
Gammut index

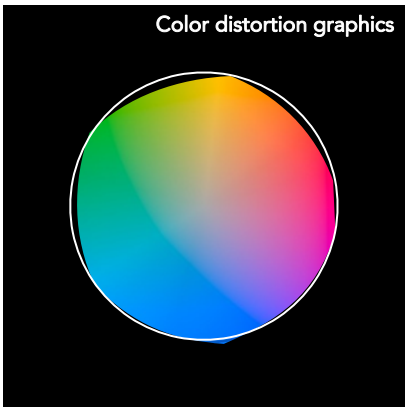
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	0%
2	98	0%	1%
3	96	0%	1%
4	97	-1%	0%
5	94	-3%	0%
6	96	1%	2%
7	96	2%	2%
8	95	0%	2%
9	95	1%	4%
10	94	1%	4%
11	90	4%	5%
12	94	3%	-2%
13	91	4%	-5%
14	94	2%	-1%
15	86	7%	-10%
16	97	0%	-1%

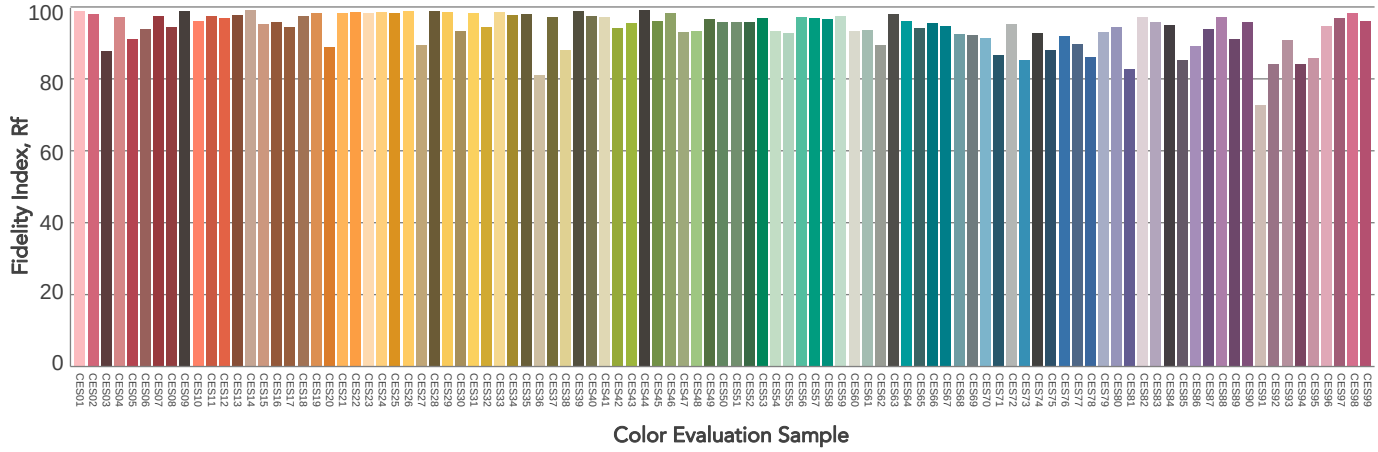












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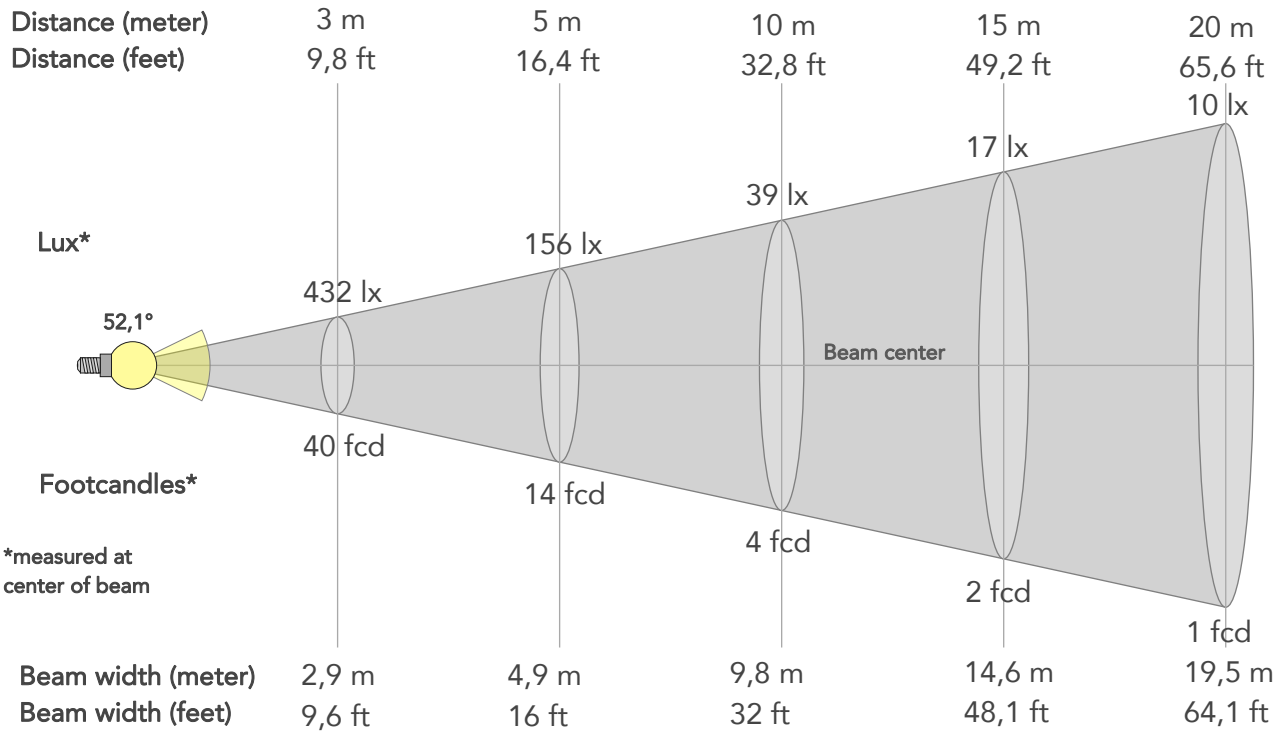
BEAM DETAILS

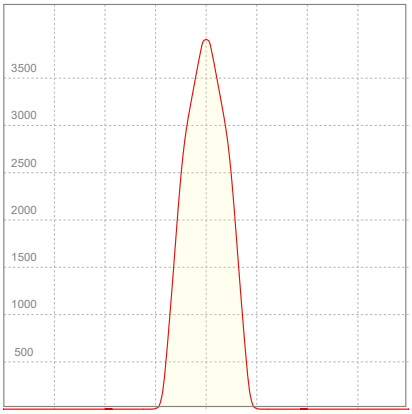
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
52,1°	73,6°	80,9°	100,0%	100,0%



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	3890lx	973lx	432lx	243lx	156lx	69lx	39lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	361fcd	90fcd	40fcd	23fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2m	2,9m	3,9m	4,9m	7,3m	9,8m	14,6m	19,5m	24,4m	29,3m	39,1m	48,8m
Beam wid.	3,2ft	6,4ft	9,6ft	12,8ft	16ft	24ft	32ft	48,1ft	64,1ft	80,1ft	96,1ft	128,1ft	160,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,445A	99,0W	26lm/W

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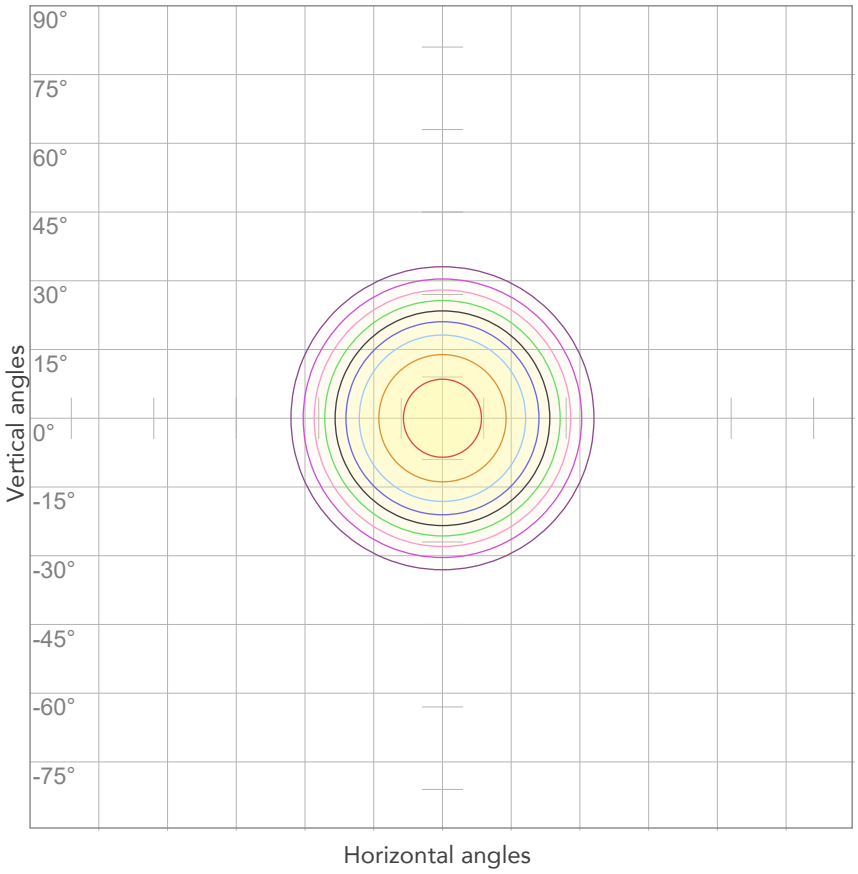
ISO DIAGRAMS

ISO CANDELA DIAGRAM



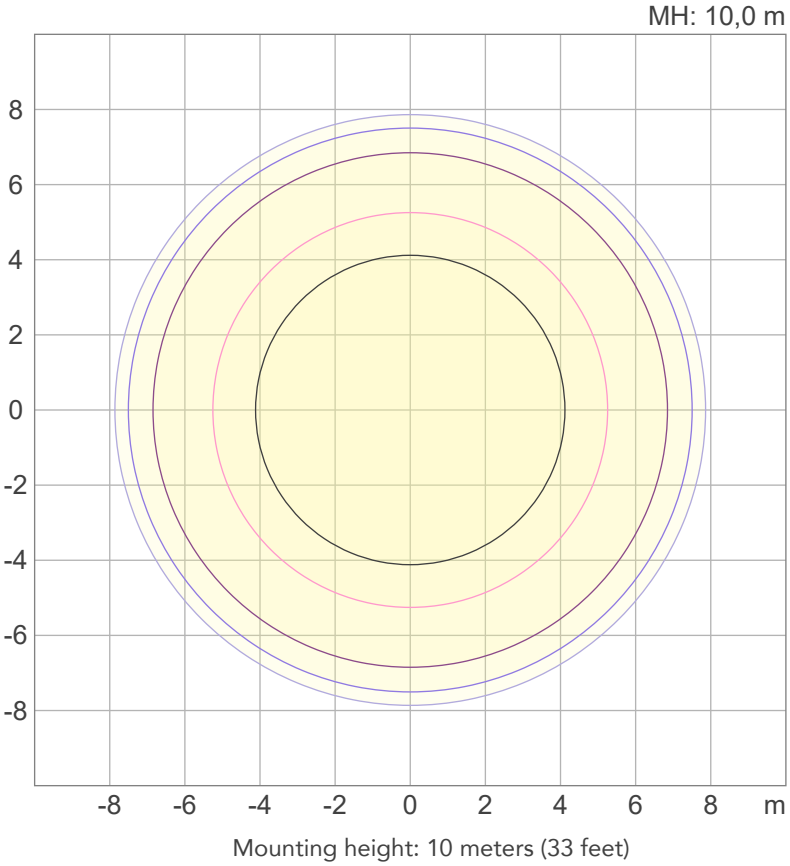
10%	389 cd
20%	778 cd
30%	1167 cd
40%	1556 cd
50%	1945 cd
60%	2334 cd
70%	2723 cd
80%	3112 cd

Conditions:

Number of c-planes: 2

Candela at center: 3890 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,17 lx
5%	1,95 lx
10%	3,89 lx
30%	11,7 lx
50%	19,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,9 lx

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

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Total lumen output:

1893 lm

Peak candela output:

13261 cd

Light quality:

CRI: 97,4

Color temperature:

6154 K

PRODUCT NAME:

ECLFRCTPS

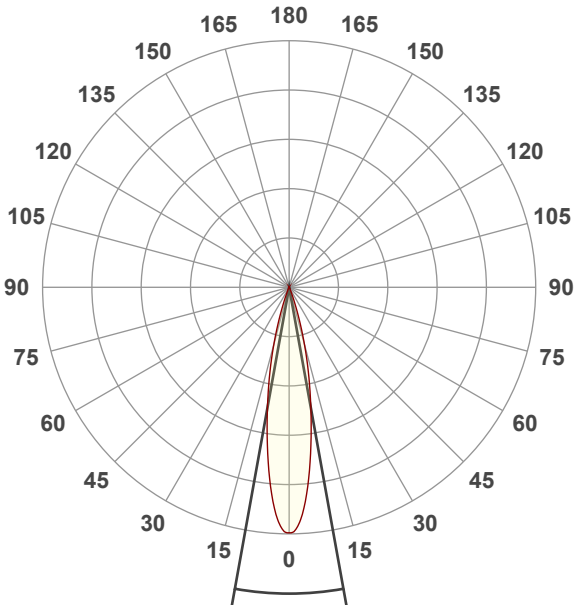
MEASURAMENT CONDITIONS:

Beam angle:
Med Zoom

Target:
6000K - **HQ**

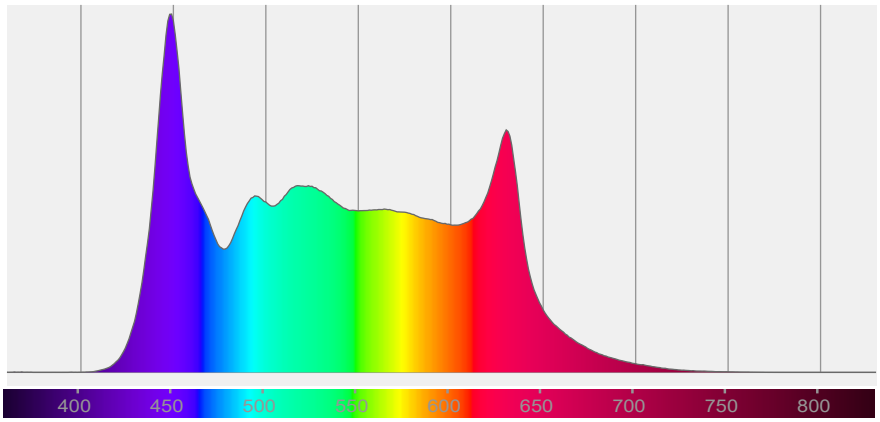
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:44:32

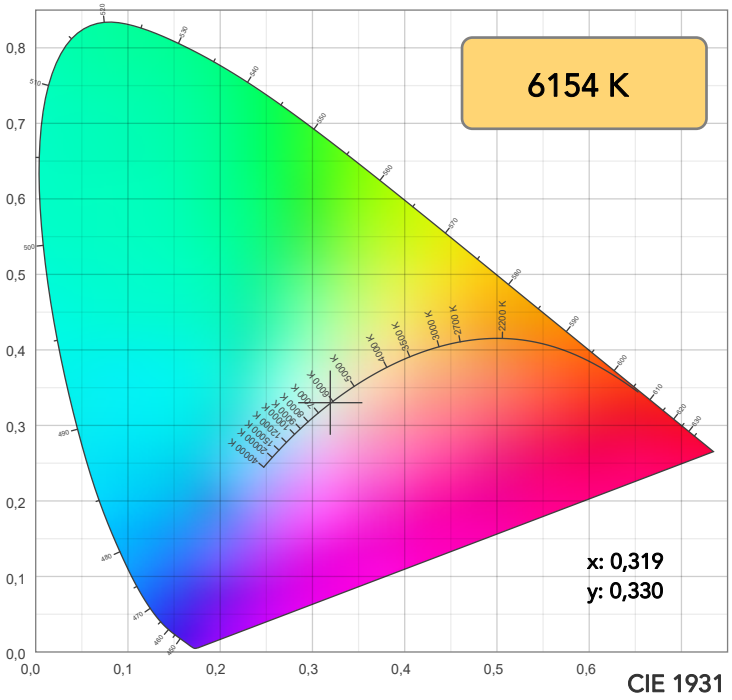


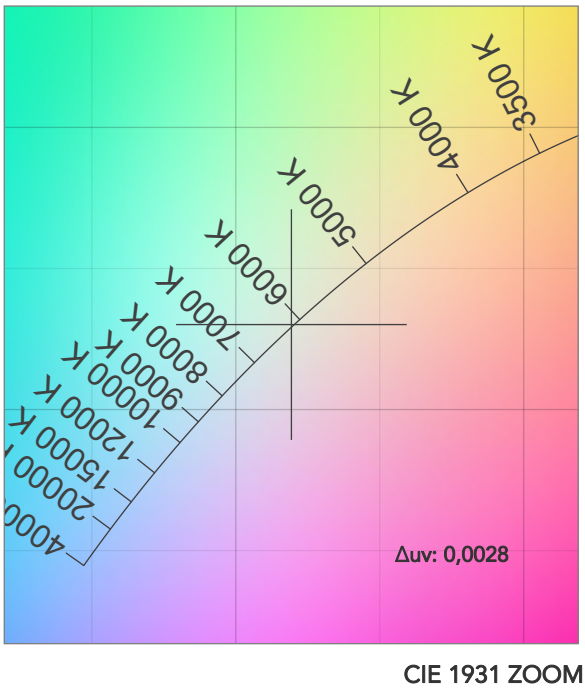
Beam angle 50%: 20,4°
Field angle 10%: 36,9°
Cut off angle 2.5%: 44,7°

Spectra

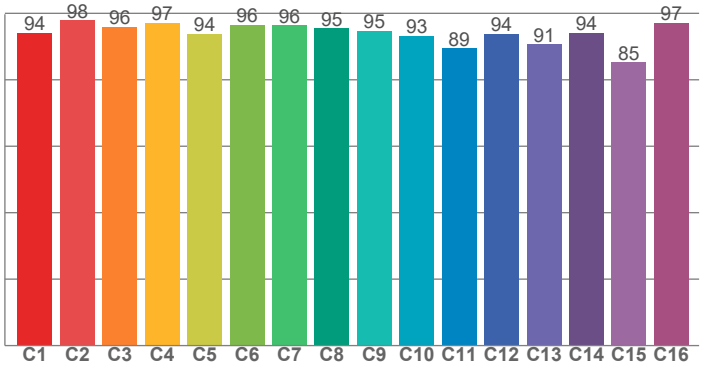


COLOR DETAILS

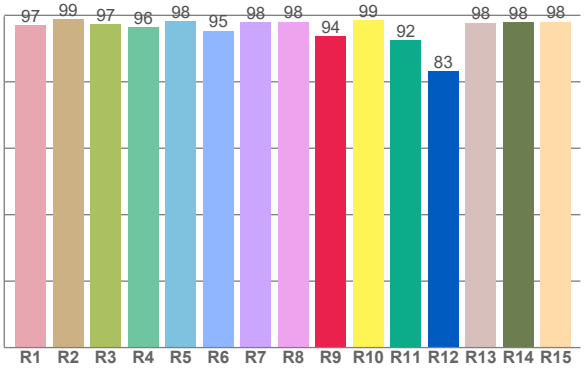




TM30: 94,0



CRI: 97,4 (R1-R8)



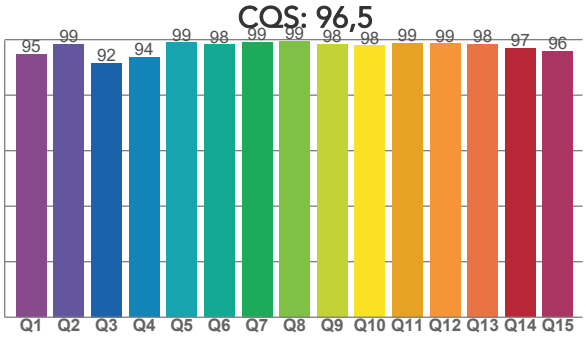
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,0	98,8	97,4	96,4	98,1	95,4	97,9	98,1	93,8	98,6	92,4	83,2	97,8	97,9	98,0

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	97,8	95,9	97,2	93,9	96,5	96,4	95,5	94,7	93,3	89,5	93,8	90,7	94,1	85,2	97,1

CQS: 96,5



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,7	98,5	91,6	93,6	98,9	98,2	99,1	99,5	98,5	97,9	98,8	98,6	98,4	96,9	95,8

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6154 K	97,4	93,8	94,0	101,6	96,5	94	0,319	0,330	0,0028

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TM30 DETAILS

PROLiGHTS

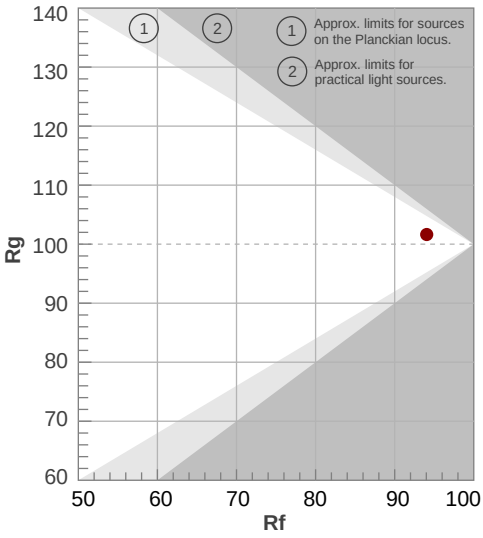
Rf 94,0

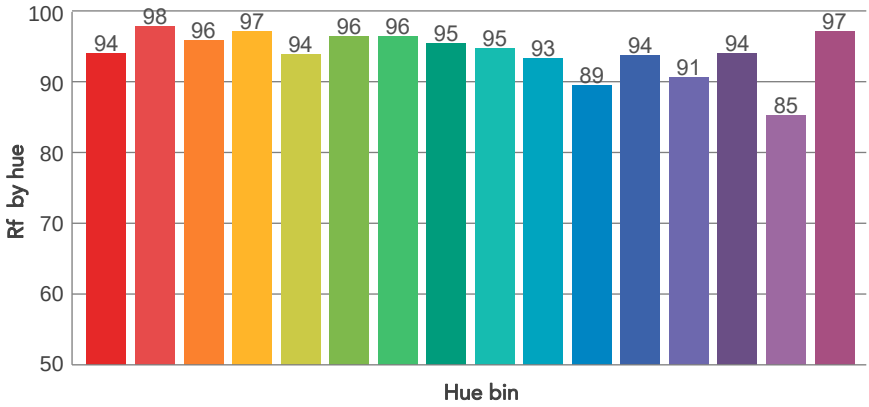
Fidelity index Rf

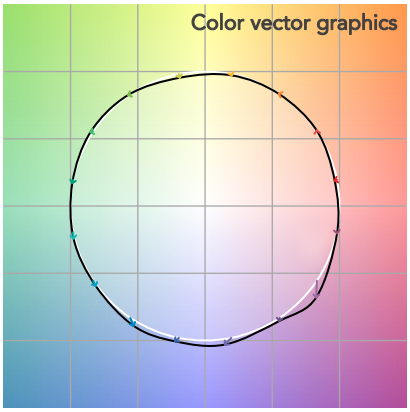
Rg 101,6

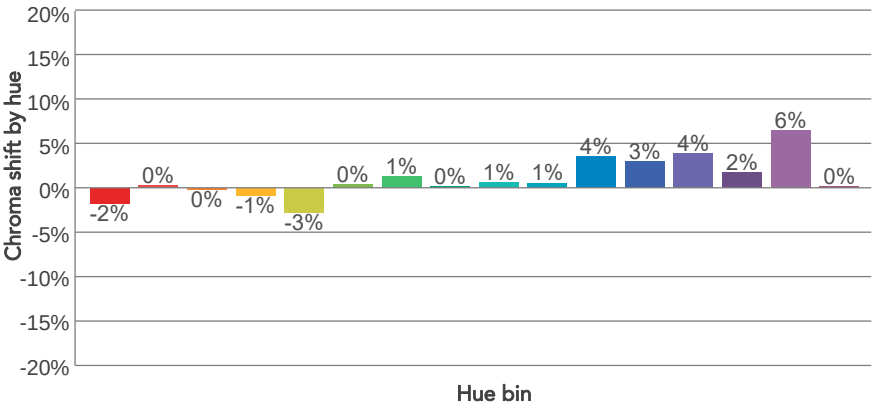
Gammut index

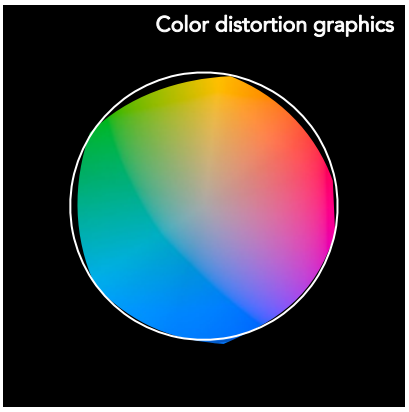
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	0%
2	98	0%	1%
3	96	0%	1%
4	97	-1%	0%
5	94	-3%	0%
6	96	0%	2%
7	96	1%	2%
8	95	0%	2%
9	95	1%	5%
10	93	1%	4%
11	89	4%	5%
12	94	3%	-2%
13	91	4%	-6%
14	94	2%	-2%
15	85	6%	-11%
16	97	0%	-1%

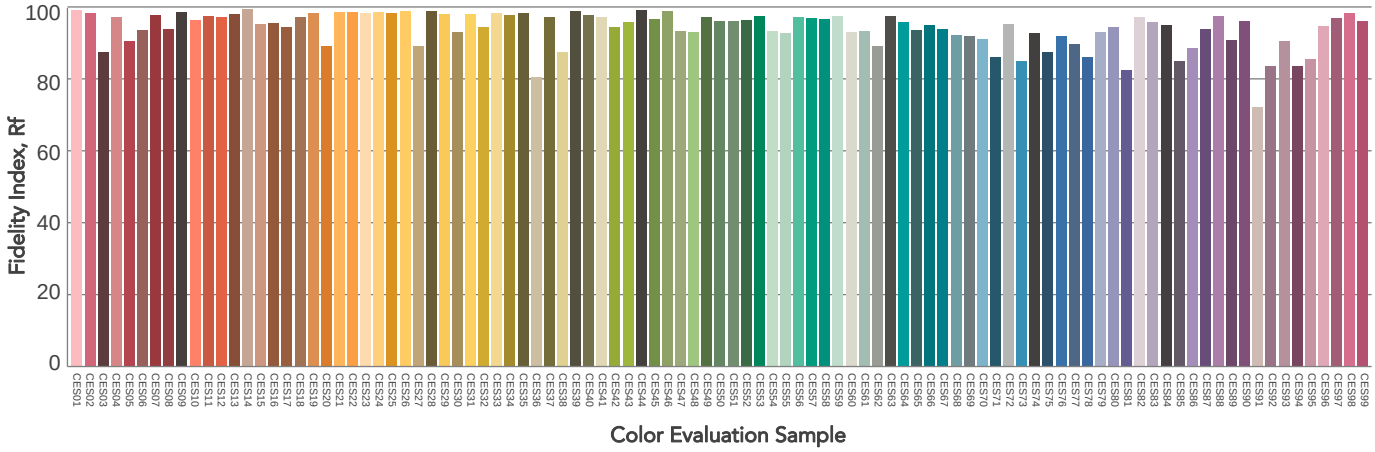












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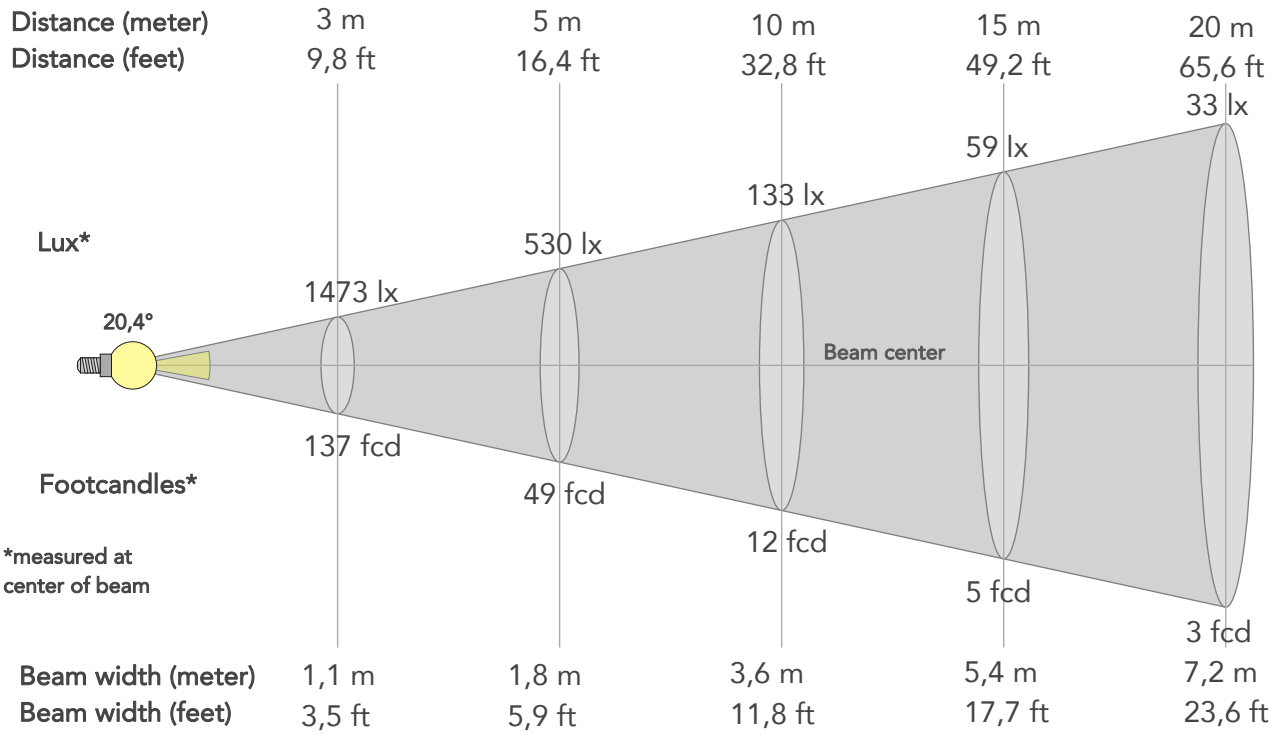
BEAM DETAILS

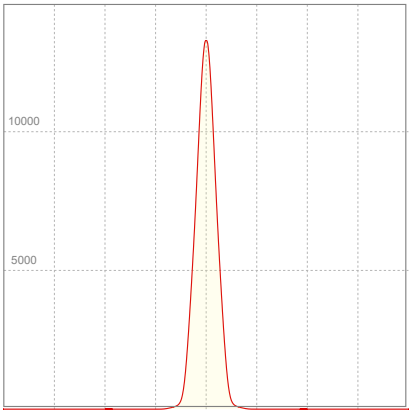
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,4°	36,9°	44,7°	100,0%	100,0%



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	13261lx	3315lx	1473lx	829lx	530lx	236lx	133lx	59lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1232fcd	308fcd	137fcd	77fcd	49fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,4m	1,8m	2,7m	3,6m	5,4m	7,2m	9m	10,8m	14,4m	18m
Beam wid.	1,2ft	2,4ft	3,5ft	4,7ft	5,9ft	8,9ft	11,8ft	17,7ft	23,6ft	29,5ft	35,4ft	47,2ft	59,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,446A	99,1W	19lm/W

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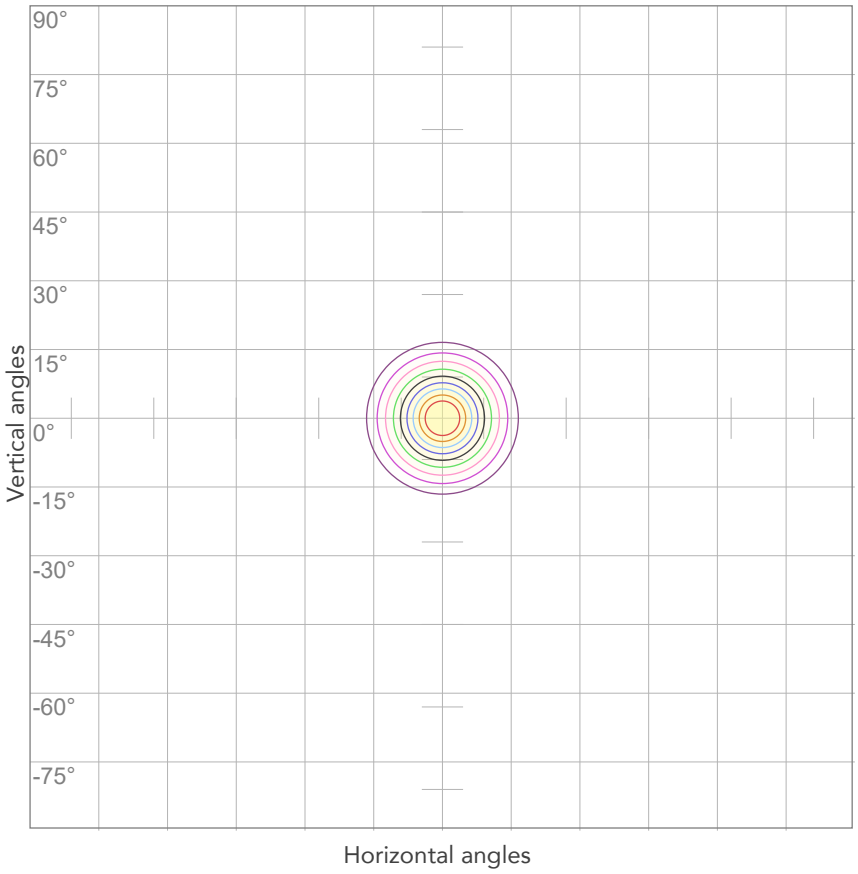
ISO DIAGRAMS

ISO CANDELA DIAGRAM



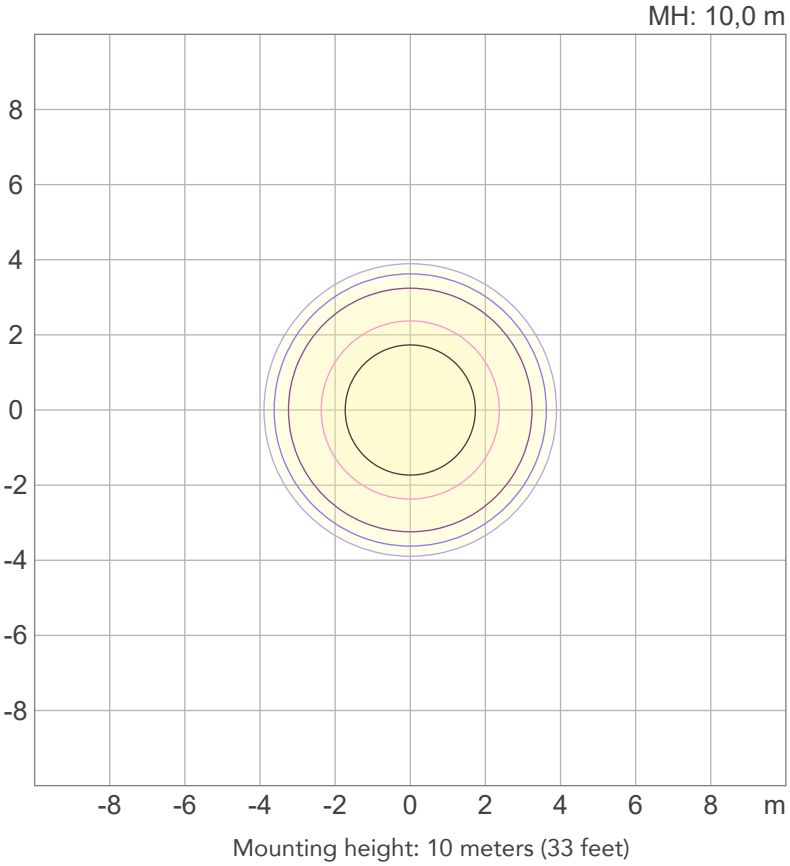
10%	1326 cd
20%	2652 cd
30%	3978 cd
40%	5304 cd
50%	6630 cd
60%	7956 cd
70%	9282 cd
80%	10608 cd

Conditions:

Number of c-planes: 2

Candela at center: 13261 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,98 lx
5%	6,63 lx
10%	13,3 lx
30%	39,8 lx
50%	66,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 133 lx

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

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Total lumen output:

1054 lm

Peak candela output:

30778 cd

Light quality:

CRI: 97,4

Color temperature:

6229 K

PRODUCT NAME:

ECLFRCTPS

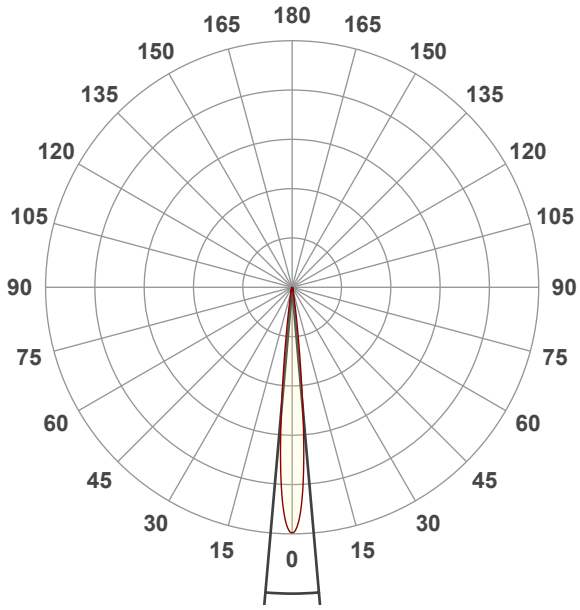
MEASURAMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
6000K - **HQ**

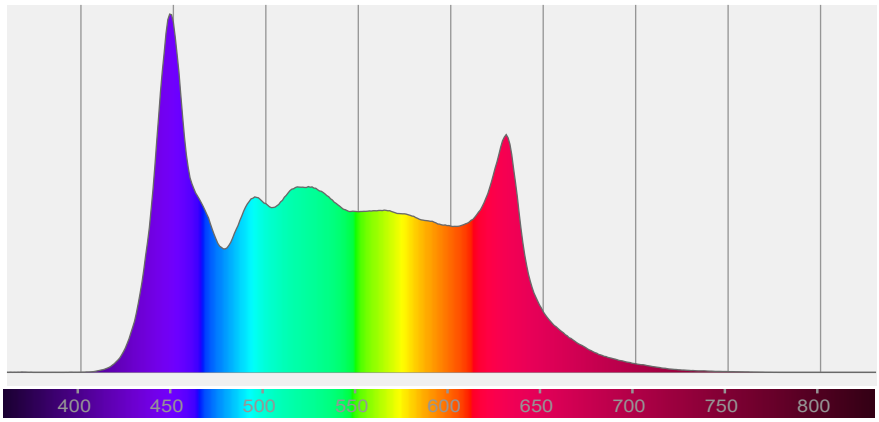
Operator:
Salvatore Giglio

Date and time:
18/09/2023 11:47:42

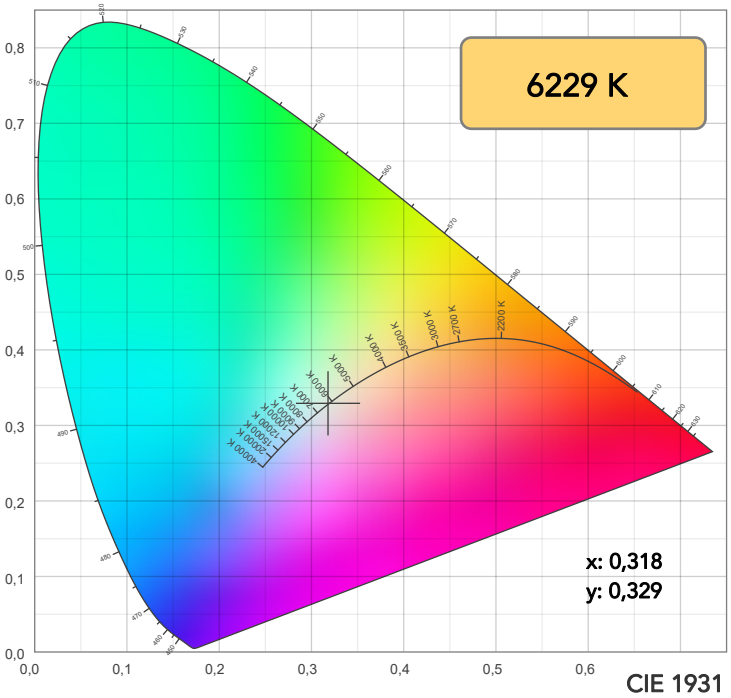


Beam angle 50%: 10°
Field angle 10%: 16,9°
Cut off angle 2.5%: 23,2°

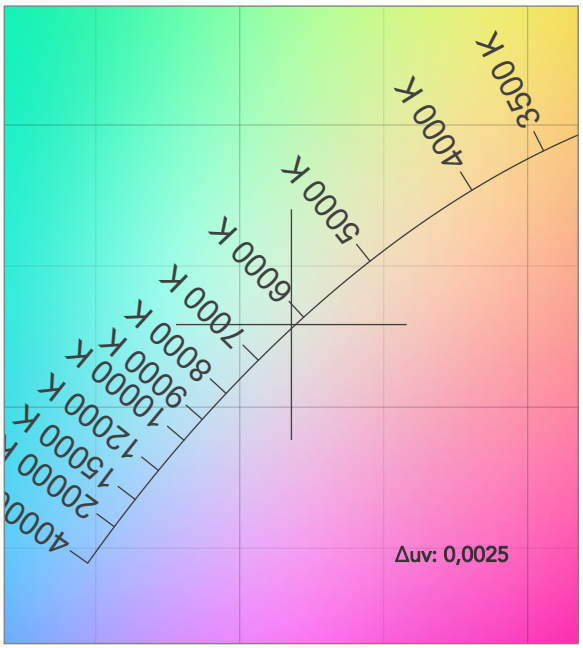
Spectra



COLOR DETAILS

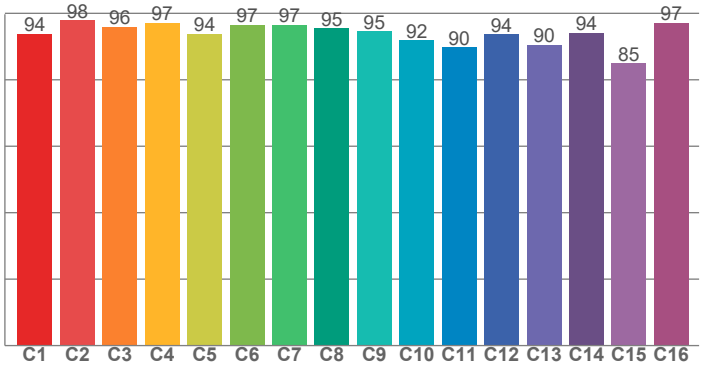


CIE 1931

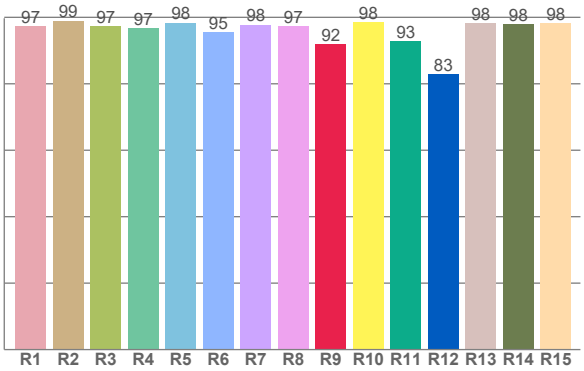


CIE 1931 ZOOM

TM30: 94,0



CRI: 97,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,3	98,9	97,4	96,8	98,4	95,4	97,7	97,4	91,9	98,5	92,9	82,9	98,1	97,9	98,2

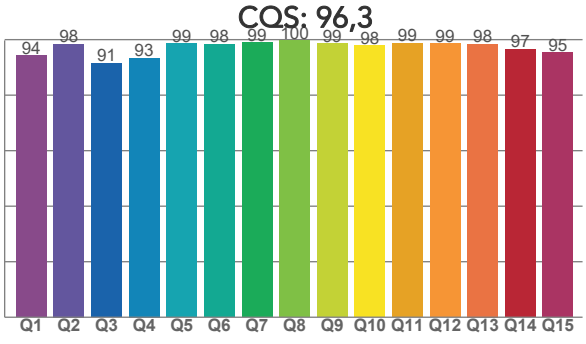
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,8	97,9	95,8	97,1	93,8	96,5	96,6	95,5	94,6	91,8	89,8	93,7	90,5	94,1	84,9	97,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,3	98,5	91,5	93,4	98,6	98,3	99,0	99,6	98,5	97,8	98,7	98,6	98,3	96,5	95,3

CQS: 96,3



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6229 K	97,4	91,9	94,0	101,4	96,3	94	0,318	0,329	0,0025

TM30 DETAILS

PROLiGHTS

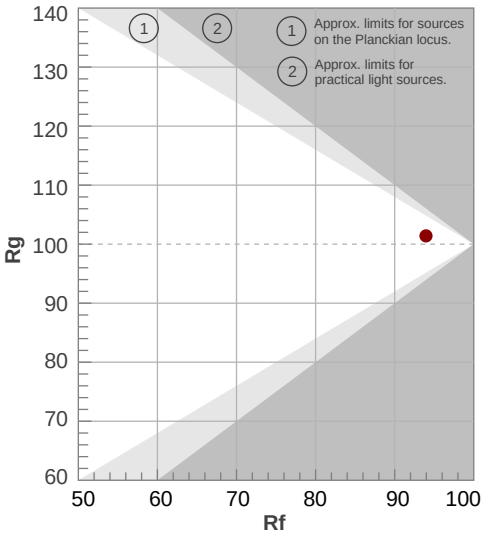
Rf 94,0

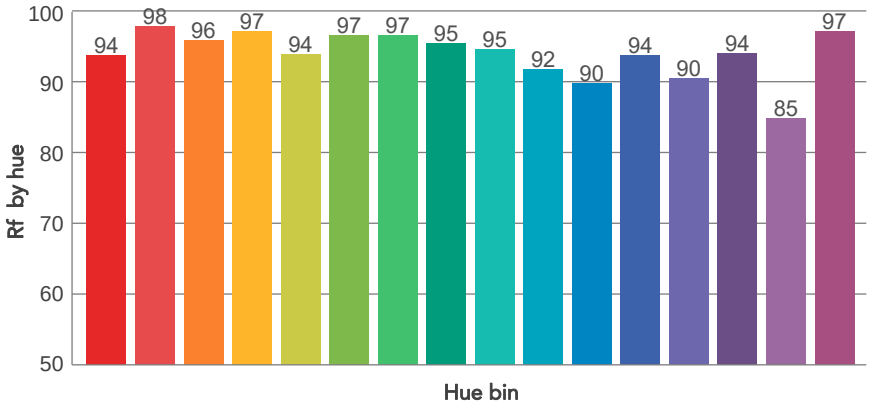
Fidelity index Rf

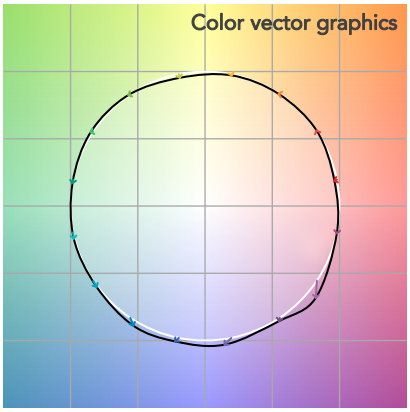
Rg 101,4

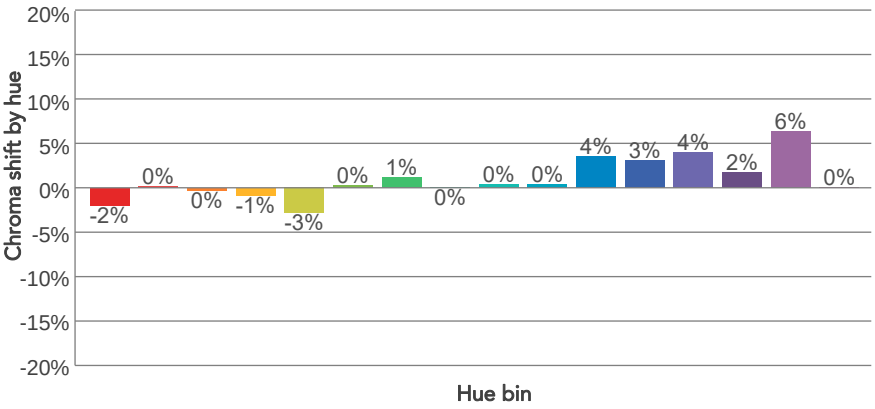
Gammut index

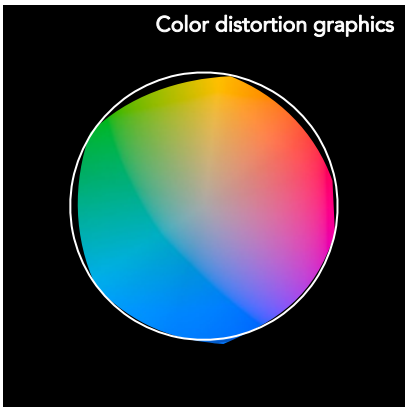
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	-2%	0%
2	98	0%	1%
3	96	0%	1%
4	97	-1%	0%
5	94	-3%	0%
6	97	0%	2%
7	97	1%	2%
8	95	0%	3%
9	95	0%	5%
10	92	0%	5%
11	90	4%	5%
12	94	3%	-2%
13	90	4%	-6%
14	94	2%	-2%
15	85	6%	-11%
16	97	0%	-1%

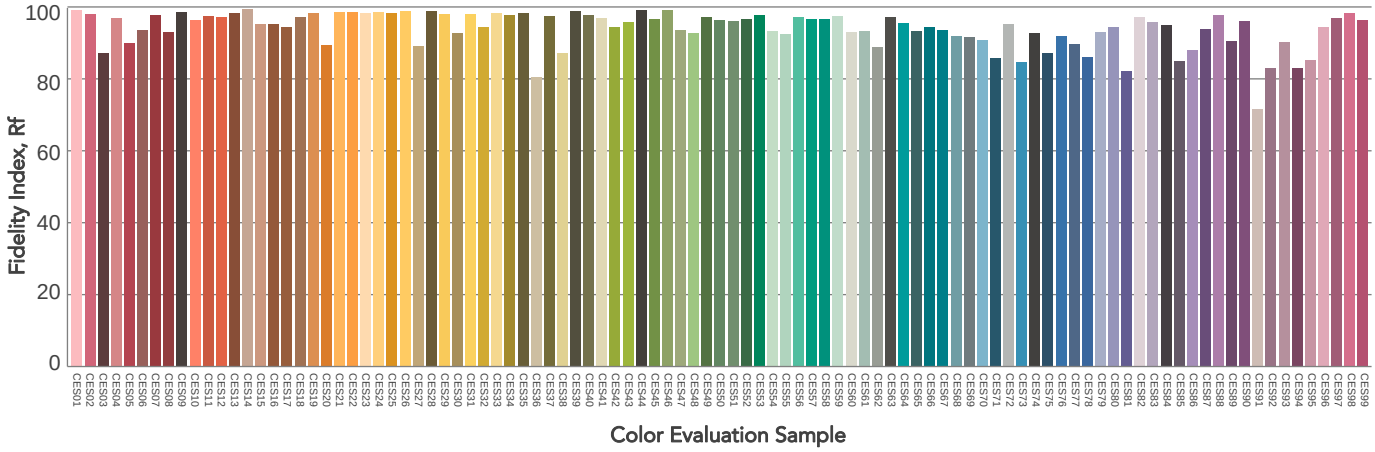












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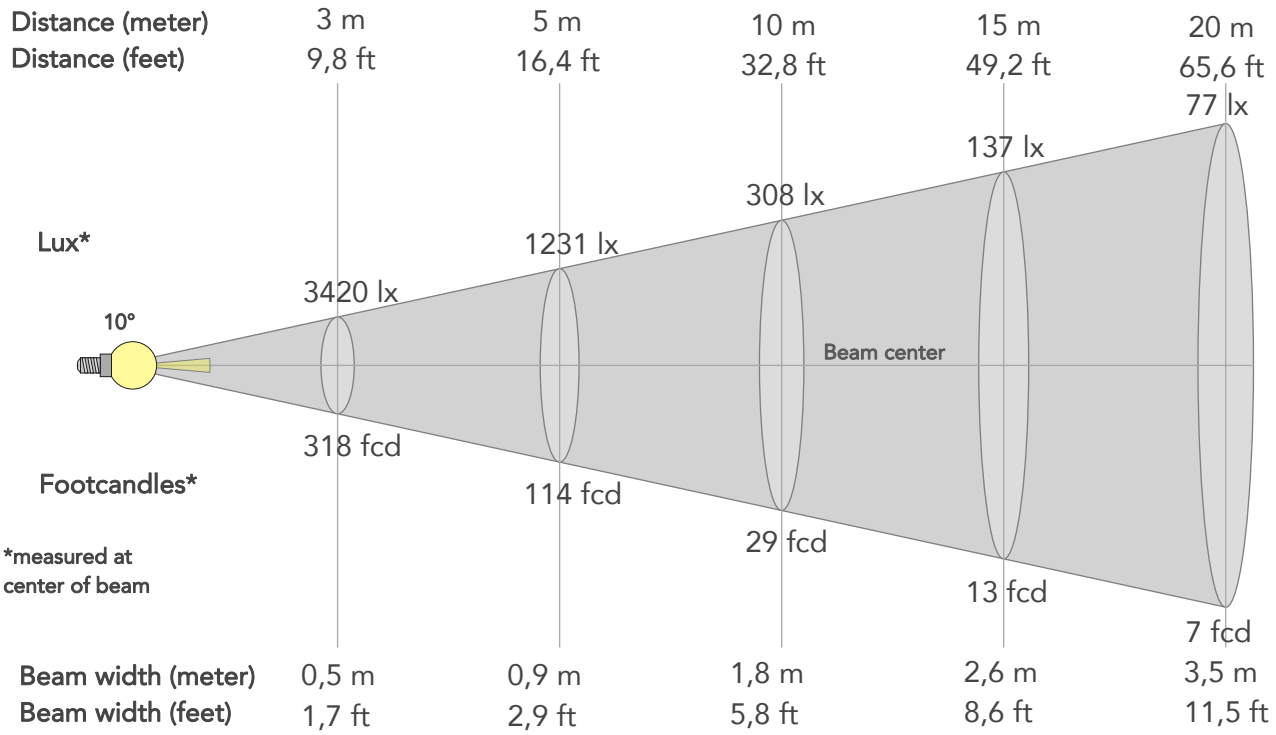
BEAM DETAILS

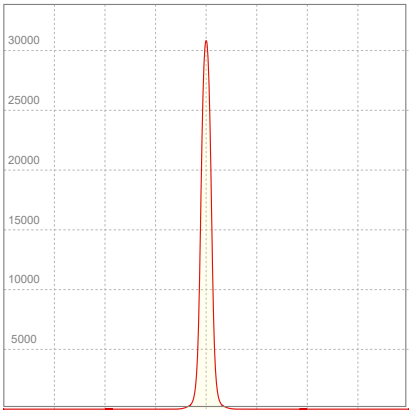
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	16,9°	23,2°	100,0%	100,0%



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	30778lx	7695lx	3420lx	1924lx	1231lx	547lx	308lx	137lx	77lx	49lx	34lx	19lx	12lx
Footcand.	2859fcd	715fcd	318fcd	179fcd	114fcd	51fcd	29fcd	13fcd	7fcd	5fcd	3fcd	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	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,6ft	11,5ft	14,4ft	17,3ft	23ft	28,8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,439A	97,3W	11lm/W

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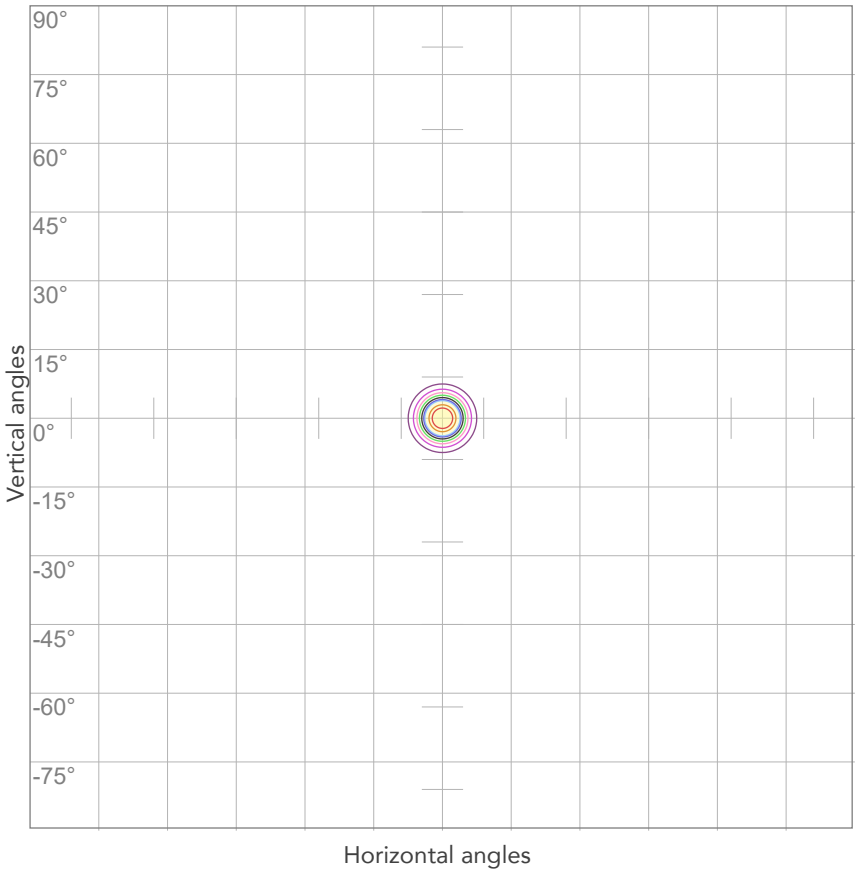
ISO DIAGRAMS

ISO CANDELA DIAGRAM



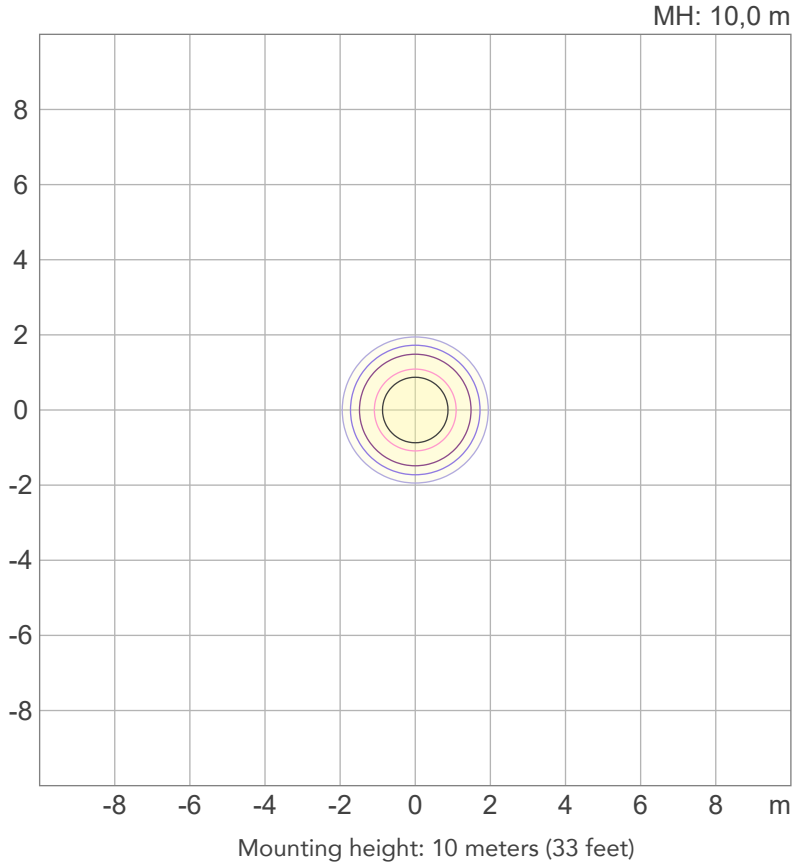
10%	3078 cd
20%	6156 cd
30%	9233 cd
40%	12311 cd
50%	15389 cd
60%	18467 cd
70%	21545 cd
80%	24622 cd

Conditions:

Number of c-planes: 2

Candela at center: 30778 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	9,23 lx
5%	15,4 lx
10%	30,8 lx
30%	92,3 lx
50%	154 lx

Conditions:

Number of c-planes: 2

Lux at center: 308 lx

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

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