

Photometric Test Report



EclFresnel CT+XS

100 W Led Fresnel with 6 color source,
130mm - 5" lens

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Color Preset LIME

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TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

3669 lm

Peak candela output:

5453 cd

Light quality:

CRI: 91,6

Color temperature:

6558 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

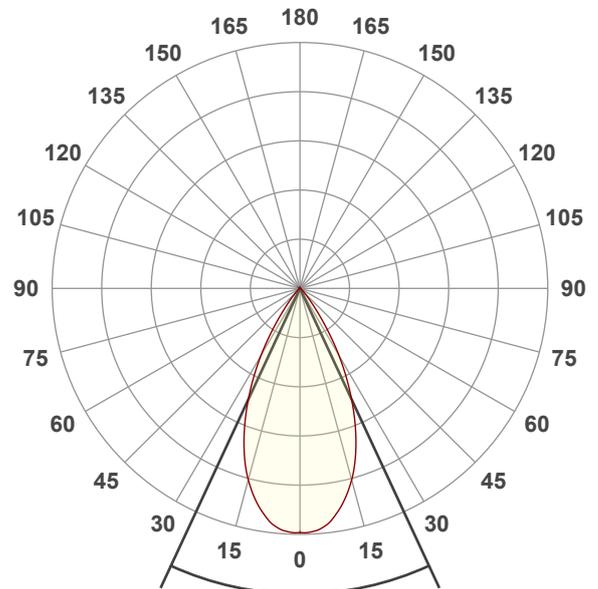
Full On

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:48:40

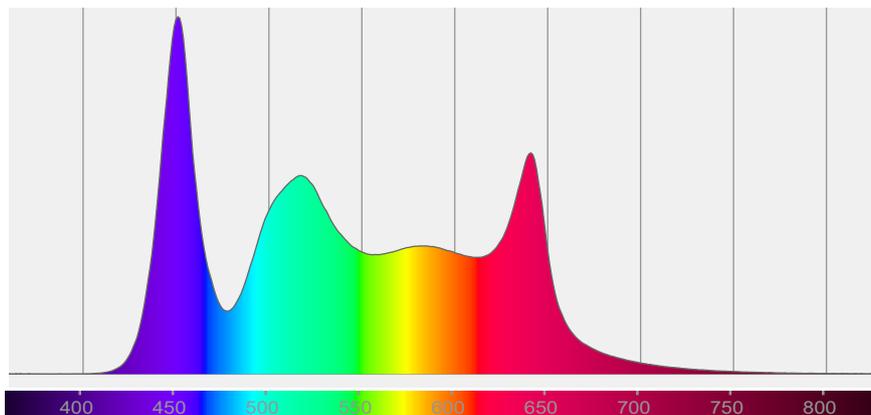


Beam angle 50%: 49,6°

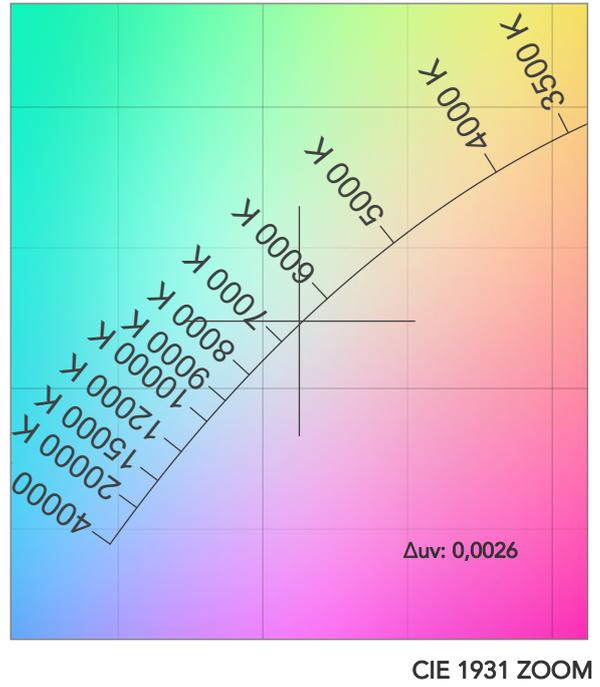
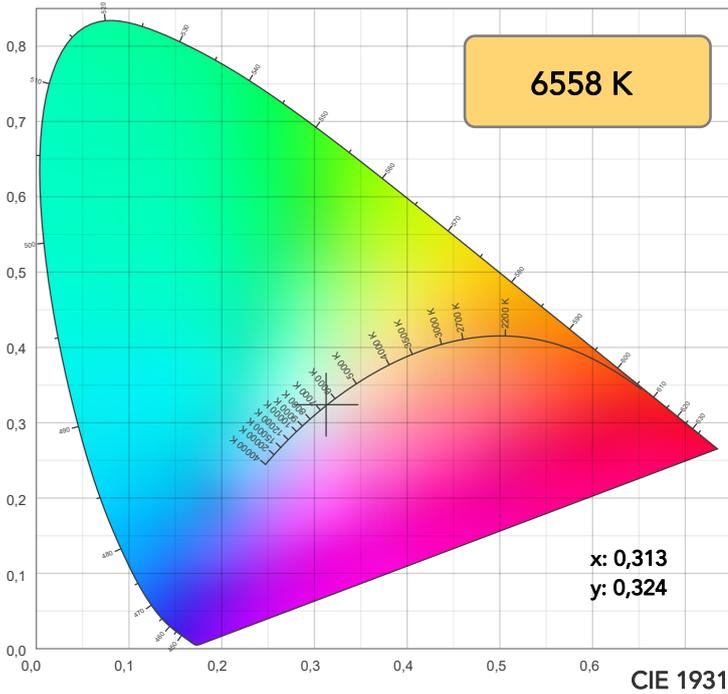
Field angle 10%: 74,7°

Cut off angle 2.5%: 91,2°

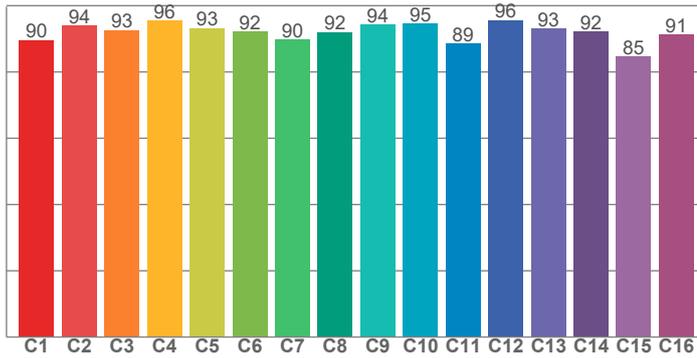
Spectra



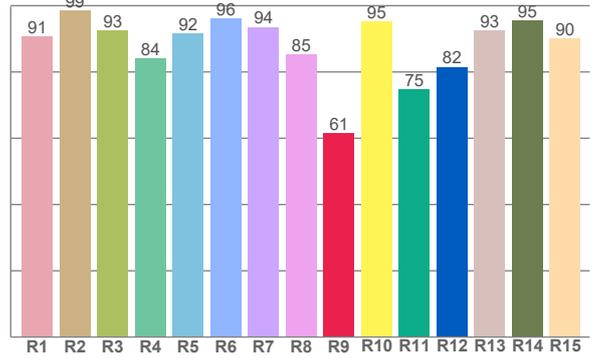
COLOR DETAILS



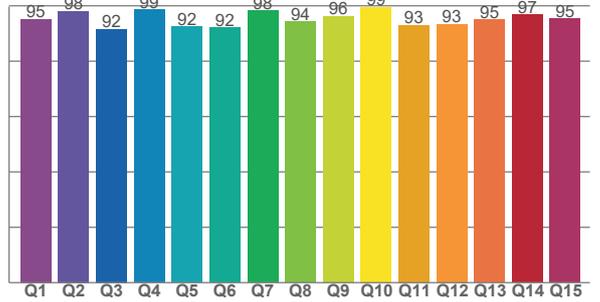
TM30: 92,1



CRI: 91,6 (R1-R8)



CQS: 94,7



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,6	98,6	92,6	84,0	91,6	96,2	93,6	85,4	61,5	95,3	74,6	81,5	92,5	95,4	90,1

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
89,7	94,0	92,6	95,6	93,3	92,1	89,8	92,0	94,3	94,6	88,6	95,6	93,1	92,1	84,7	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,1	98,1	91,6	98,6	92,4	92,2	98,3	94,2	96,3	99,5	93,1	93,5	94,9	96,7	95,4

COLOR PARAMETERS

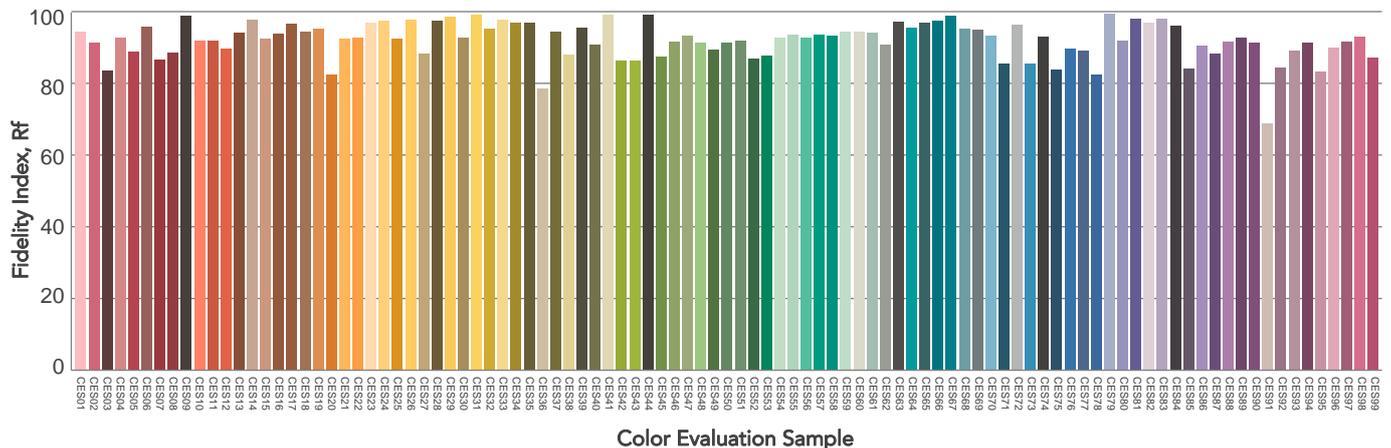
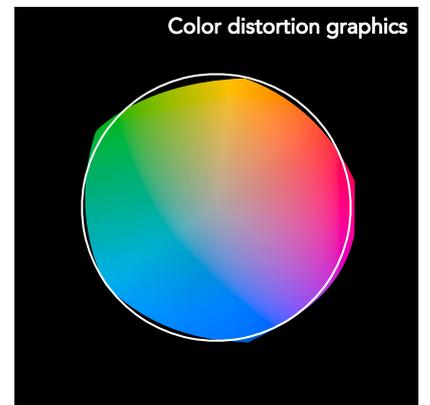
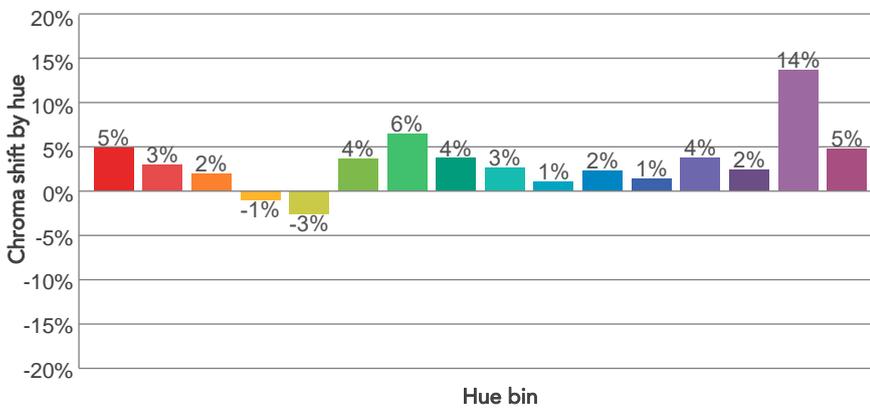
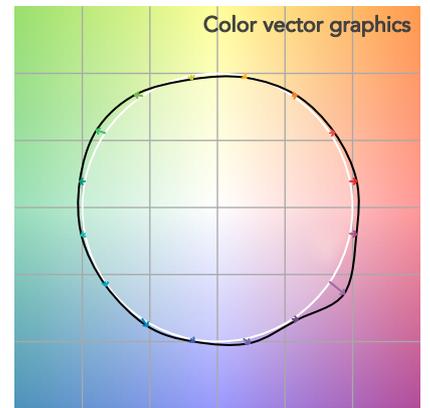
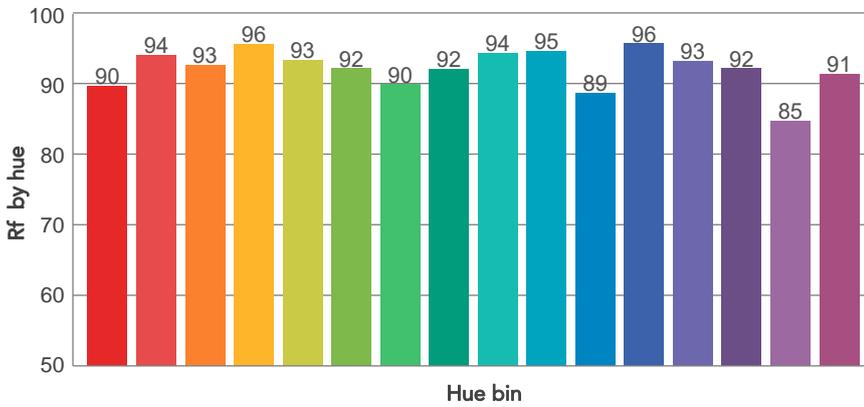
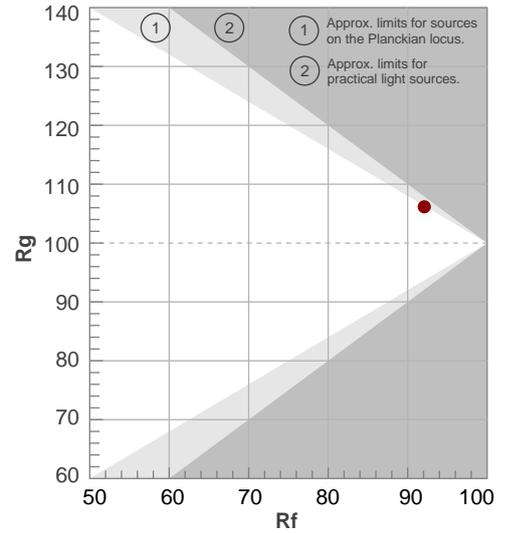
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6558 K	91,6	61,5	92,1	106,2	94,7	90	0,313	0,324	0,0026

TM30 DETAILS

Rf 92,1
Fidelity index Rf

Rg 106,2
Gammut index

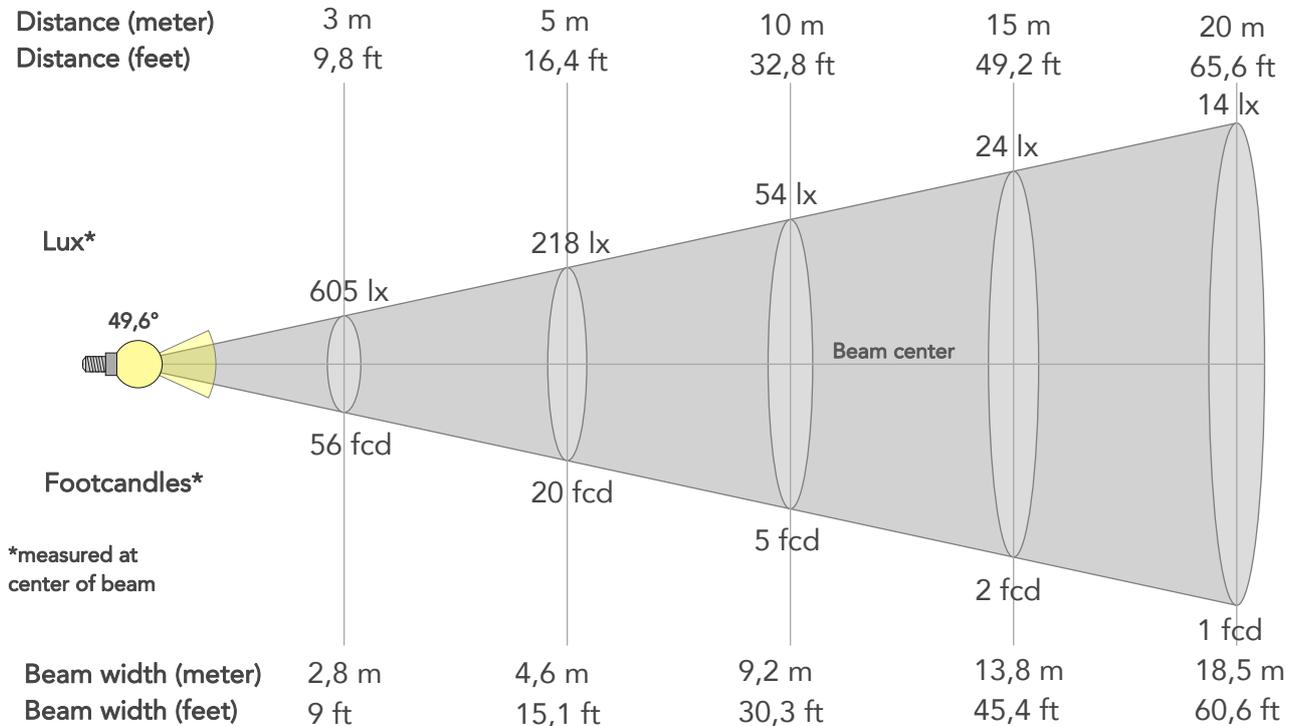
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	5%	-1%
2	94	3%	-2%
3	93	2%	-2%
4	96	-1%	-2%
5	93	-3%	0%
6	92	4%	4%
7	90	6%	2%
8	92	4%	1%
9	94	3%	1%
10	95	1%	3%
11	89	2%	6%
12	96	1%	2%
13	93	4%	4%
14	92	2%	3%
15	85	14%	-1%
16	91	5%	0%



BEAM DETAILS



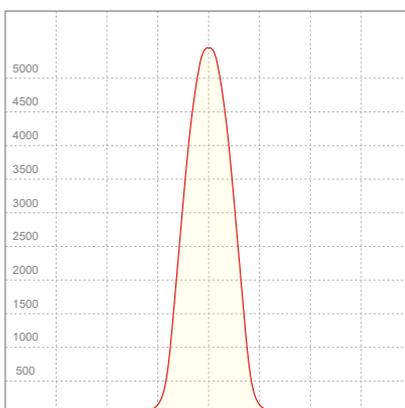
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,6°	74,7°	91,2°	99,6%	97,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5446lx	1361lx	605lx	340lx	218lx	97lx	54lx	24lx	14lx	9lx	6lx	3lx	2lx
Footcand.	506fcd	126fcd	56fcd	32fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,8m	3,7m	4,6m	6,9m	9,2m	13,8m	18,5m	23,1m	27,7m	36,9m	46,2m
Beam wid.	3ft	6,1ft	9ft	12,1ft	15,1ft	22,7ft	30,3ft	45,4ft	60,6ft	75,7ft	90,9ft	121,1ft	151,4ft

LINEAR DISTRIBUTION DIAGRAM

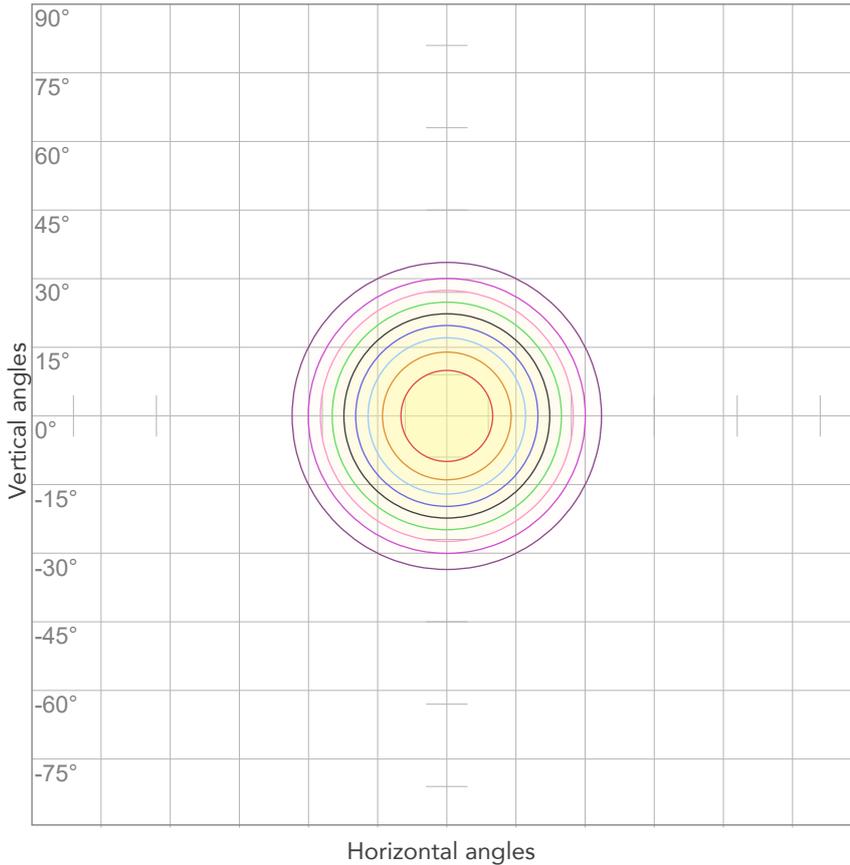


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,577A	127,7W	0,99	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



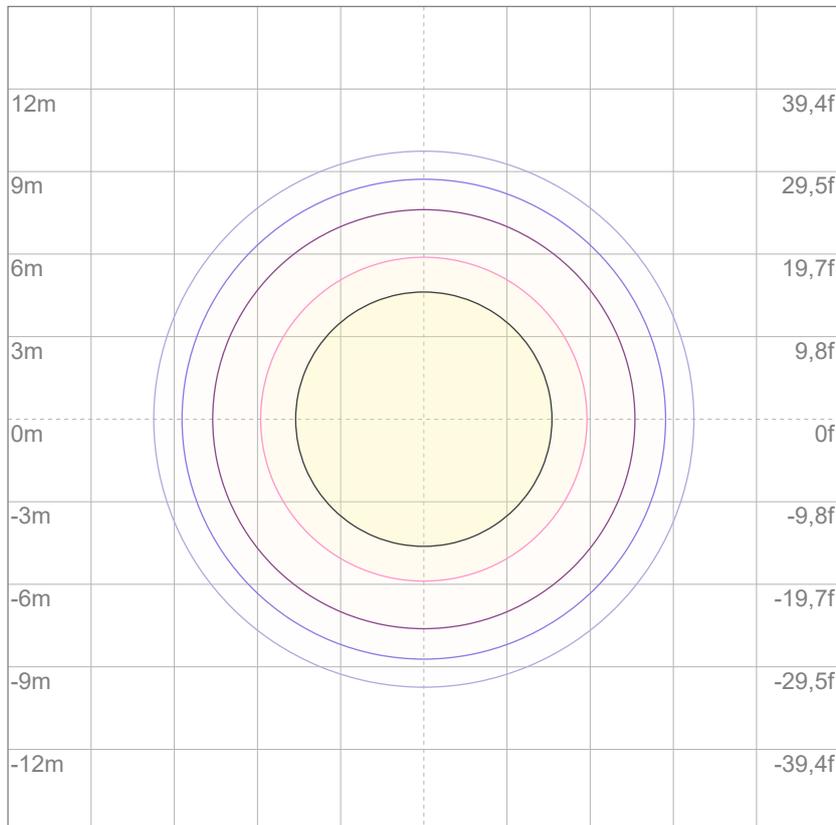
10%	545 cd
20%	1089 cd
30%	1634 cd
40%	2178 cd
50%	2723 cd
60%	3267 cd
70%	3812 cd
80%	4356 cd

Conditions:

Number of c-planes: 2

Candela at center: 5446 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,63 lx
5%	2,72 lx
10%	5,45 lx
30%	16,3 lx
50%	27,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 54,5 lx

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



Total lumen output:

2437 lm

Peak candela output:

57724 cd

Light quality:

CRI: 91,0

Color temperature:

6546 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

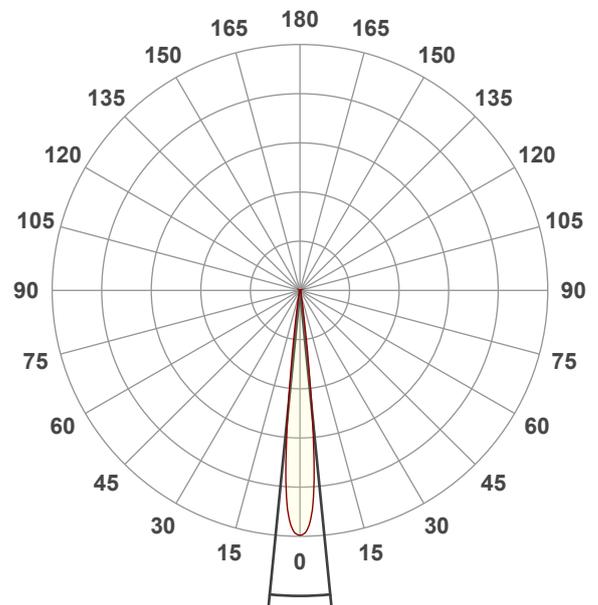
Full On

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:24:11

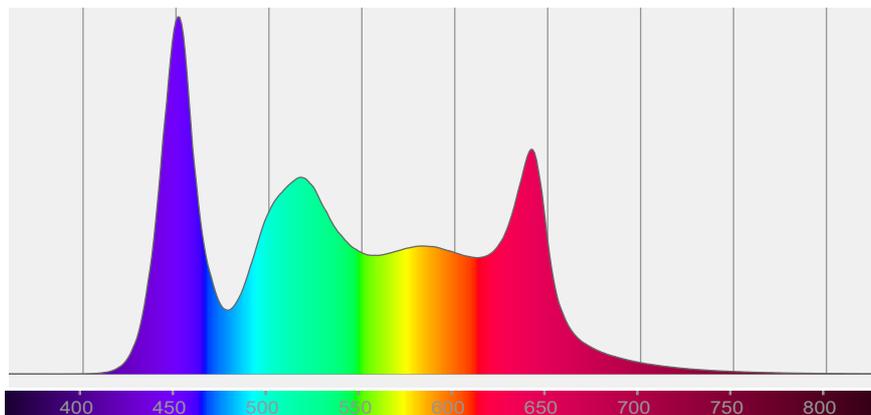


Beam angle 50%: 11,3°

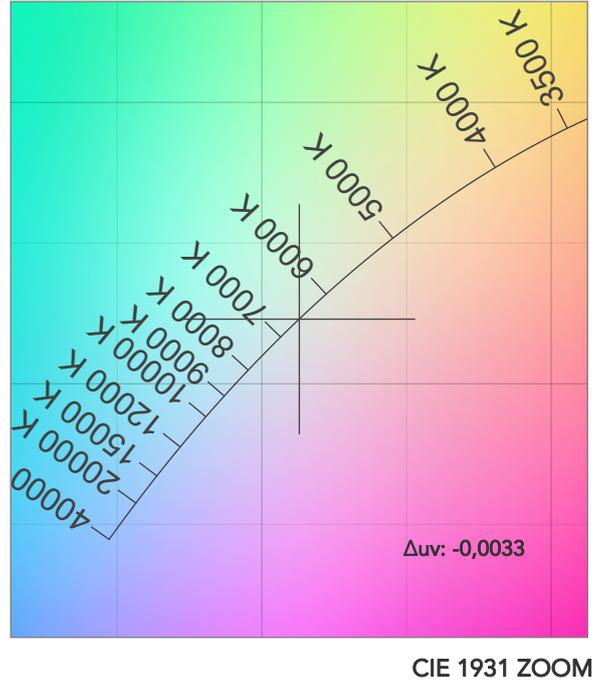
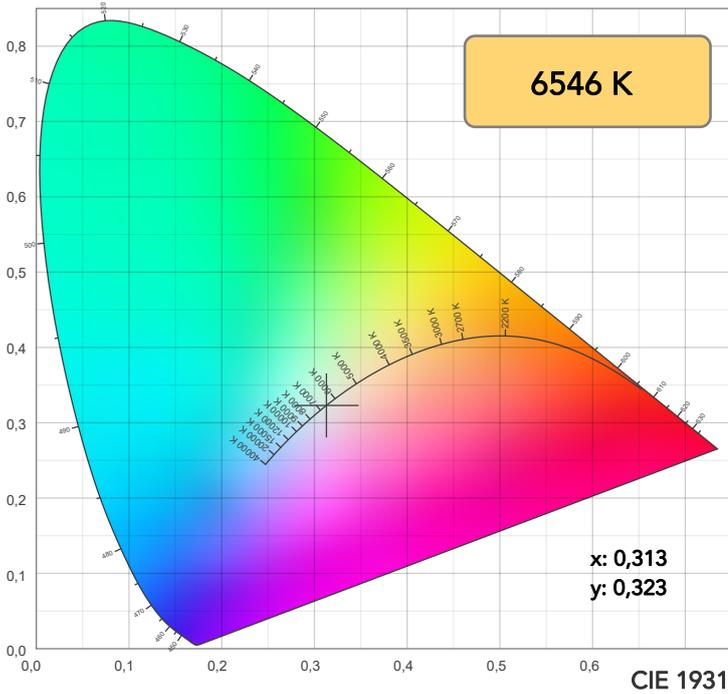
Field angle 10%: 17,3°

Cut off angle 2.5%: 24,8°

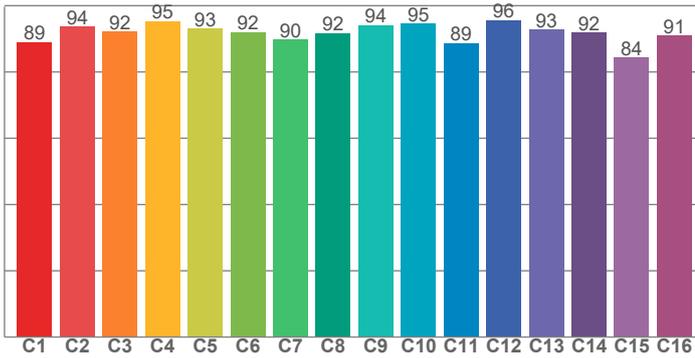
Spectra



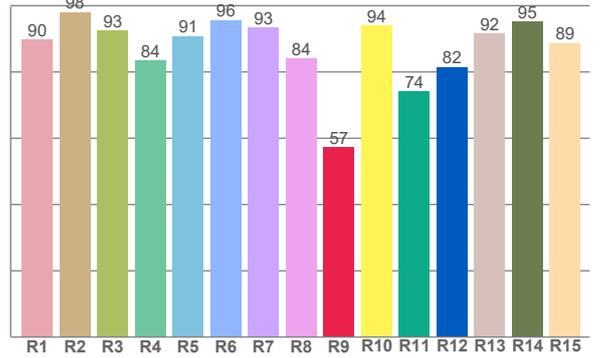
COLOR DETAILS



TM30: 91,9



CRI: 91,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,7	98,1	92,5	83,6	90,9	95,7	93,4	84,0	57,4	94,1	74,1	81,5	91,7	95,3	88,8

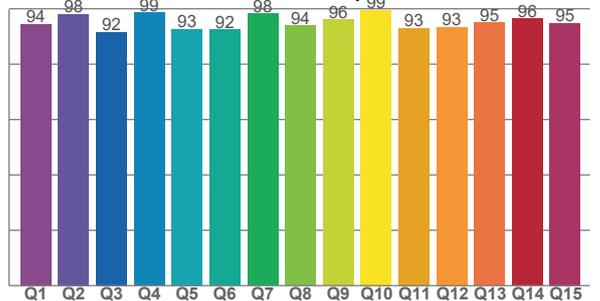
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	93,7	92,2	95,4	93,1	92,1	89,8	91,7	94,2	94,6	88,7	95,7	92,8	91,8	84,3	90,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,5	98,0	91,5	98,6	92,6	92,4	98,3	93,9	96,0	99,5	93,0	93,4	94,9	96,4	94,9

CQS: 94,6



COLOR PARAMETERS

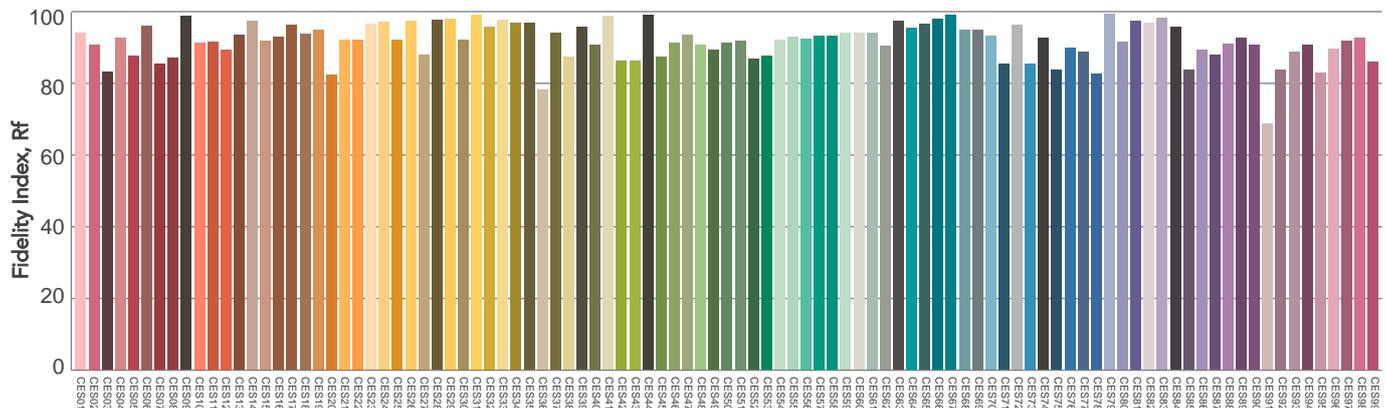
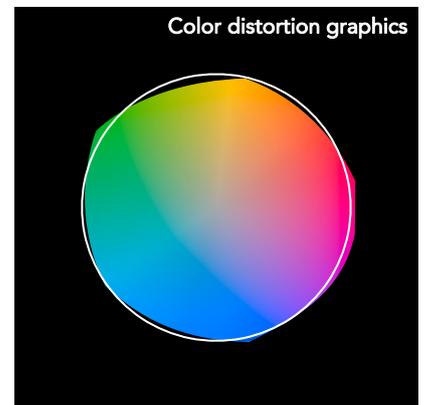
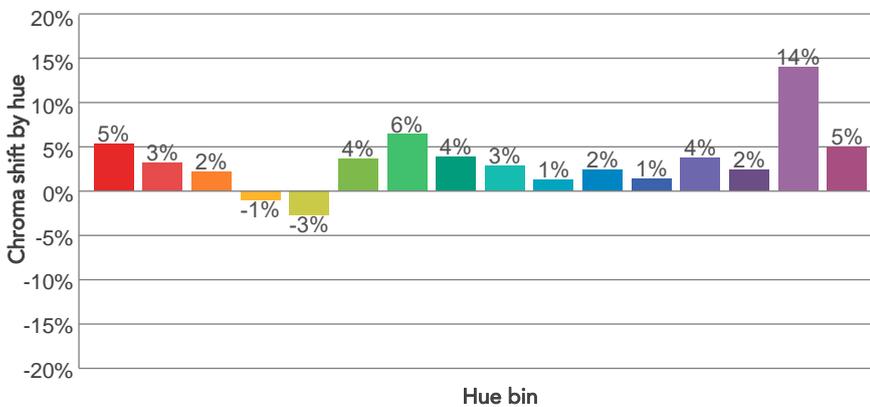
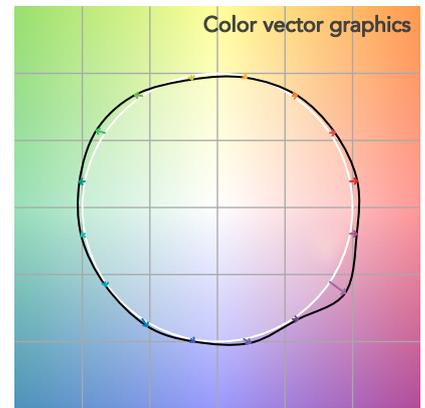
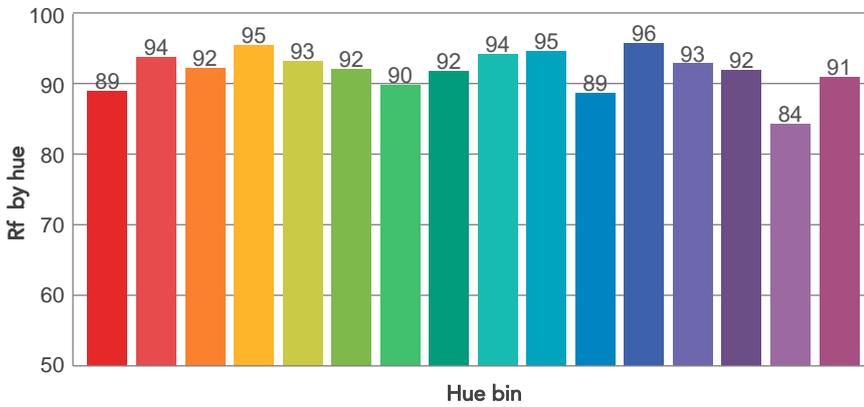
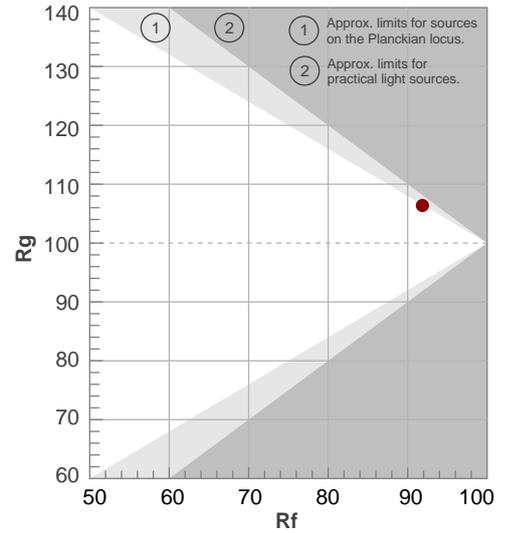
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6546 K	91,0	57,4	91,9	106,4	94,6	90	0,313	0,323	-0,0033

TM30 DETAILS

Rf 91,9
Fidelity index Rf

Rg 106,4
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-1%
2	94	3%	-2%
3	92	2%	-2%
4	95	-1%	-2%
5	93	-3%	0%
6	92	4%	4%
7	90	6%	2%
8	92	4%	1%
9	94	3%	1%
10	95	1%	3%
11	89	2%	6%
12	96	1%	3%
13	93	4%	4%
14	92	2%	3%
15	84	14%	-1%
16	91	5%	1%

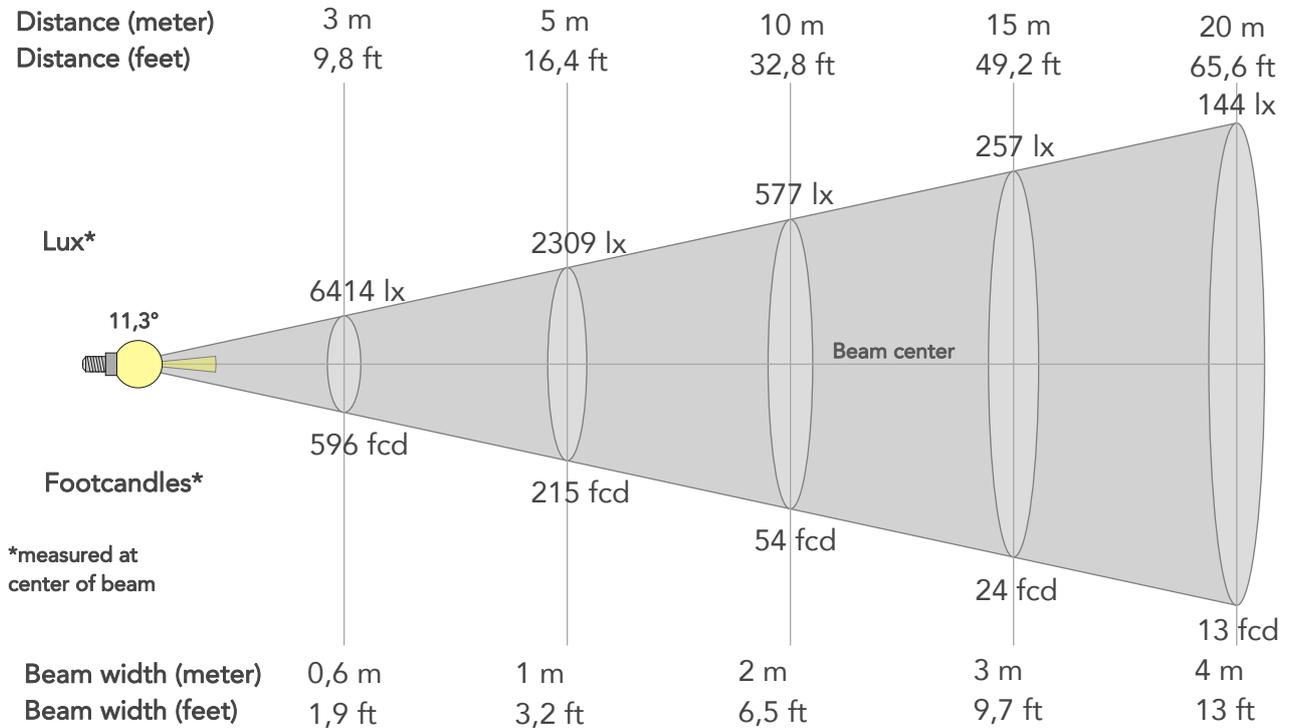


Color Evaluation Sample

BEAM DETAILS



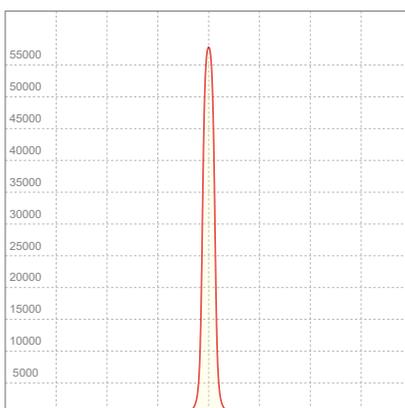
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,3°	24,8°	99,8%	99,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	57724lx	14431lx	6414lx	3608lx	2309lx	1026lx	577lx	257lx	144lx	92lx	64lx	36lx	23lx
Footcand.	5363fcd	1341fcd	596fcd	335fcd	215fcd	95fcd	54fcd	24fcd	13fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,4ft	25,9ft	32,4ft

LINEAR DISTRIBUTION DIAGRAM

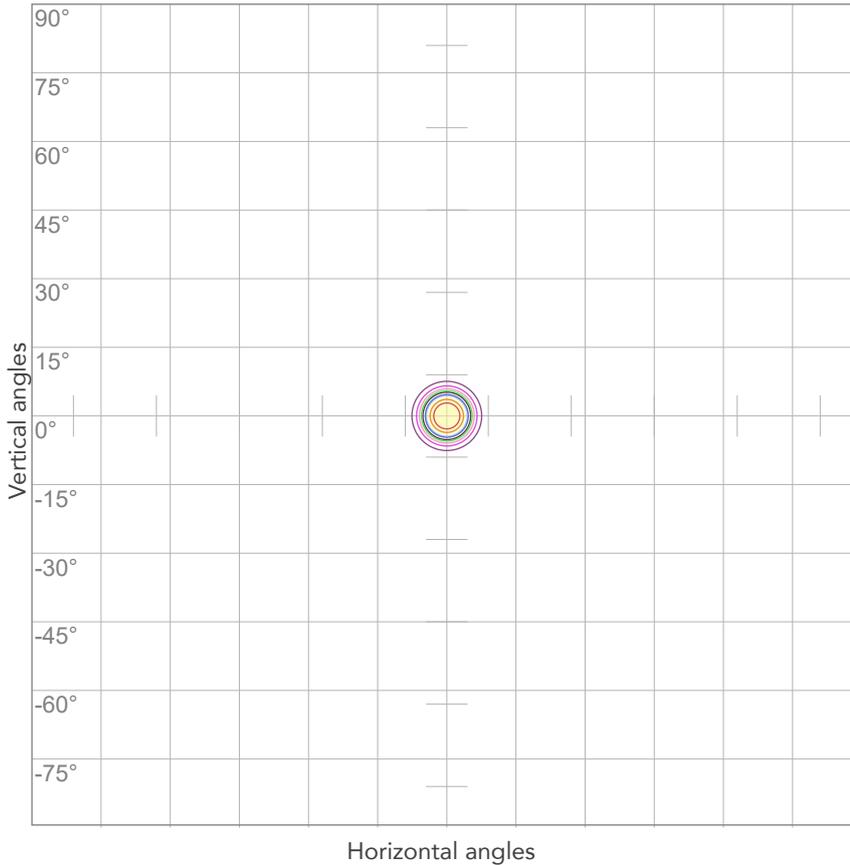


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,576A	127,7W	0,99	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



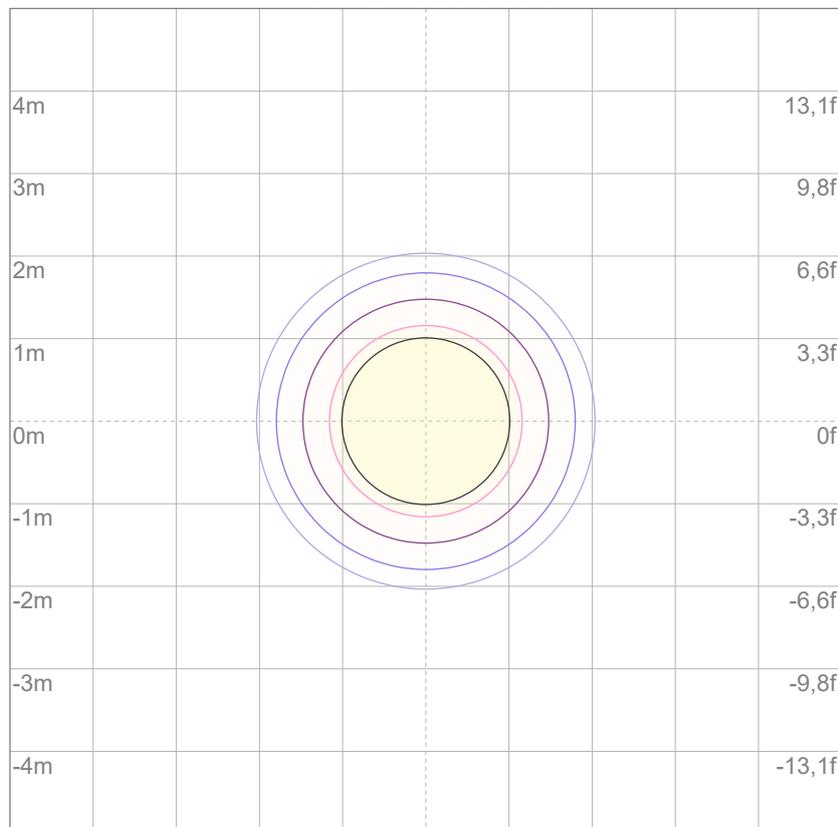
10%	5772 cd
20%	11545 cd
30%	17317 cd
40%	23090 cd
50%	28862 cd
60%	34634 cd
70%	40407 cd
80%	46179 cd

Conditions:

Number of c-planes: 2

Candela at center: 57724 cd

ISO LUX DIAGRAM



3%	17,3 lx
5%	28,9 lx
10%	57,7 lx
30%	173 lx
50%	289 lx

Conditions:

Number of c-planes: 2

Lux at center: 577 lx

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



Total lumen output:

338 lm

Peak candela output:

529 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

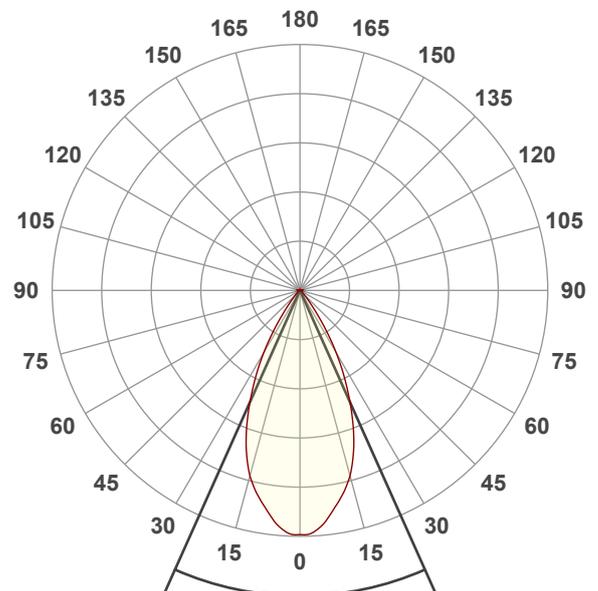
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Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:50:55

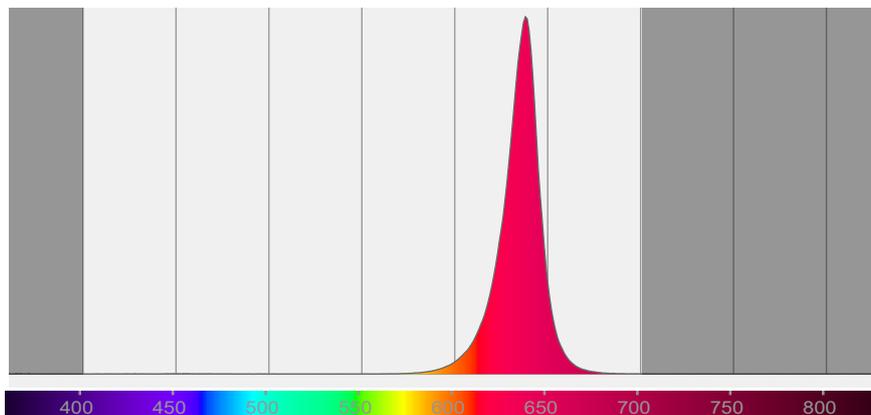


Beam angle 50%: 47,9°

Field angle 10%: 73,5°

Cut off angle 2.5%: 89,4°

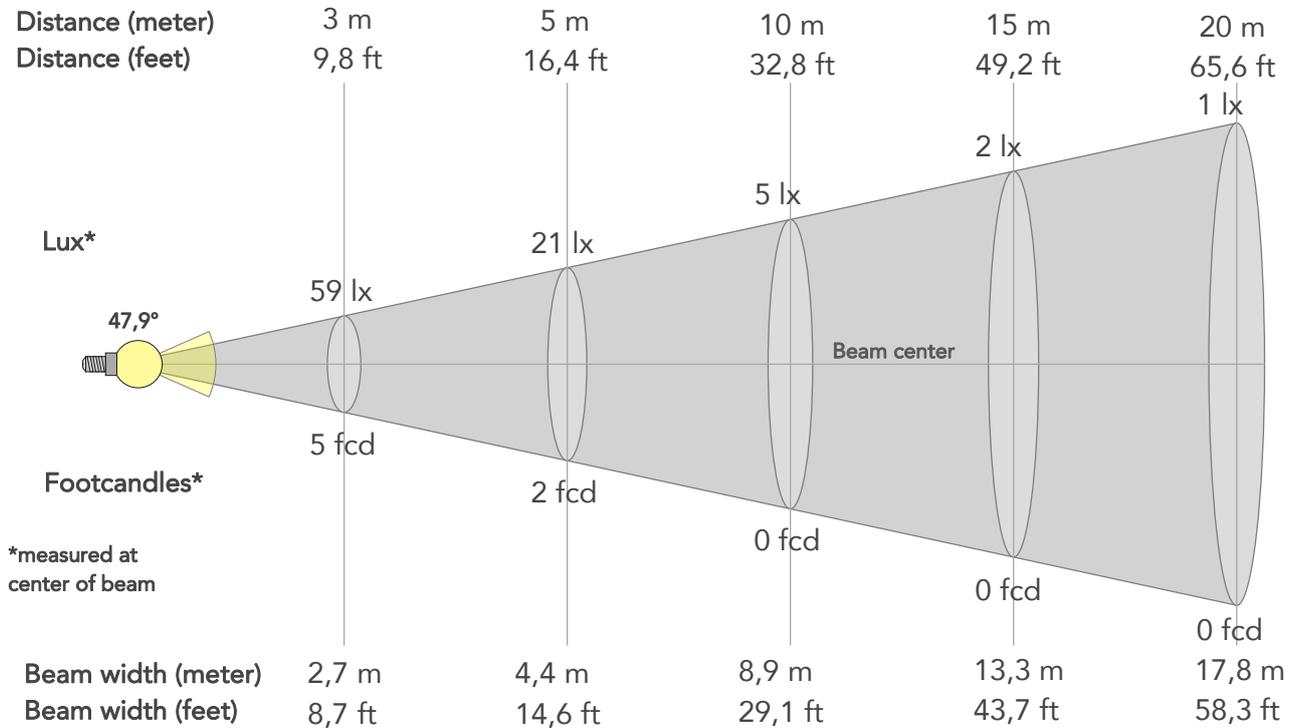
Spectra



BEAM DETAILS



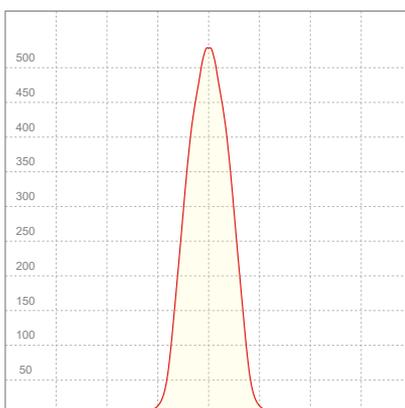
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,9°	73,5°	89,4°	99,5%	97,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	528lx	132lx	59lx	33lx	21lx	9lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	49fcd	12fcd	5fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,4m	6,7m	8,9m	13,3m	17,8m	22,2m	26,7m	35,5m	44,4m
Beam wid.	2,9ft	5,9ft	8,7ft	11,6ft	14,6ft	21,9ft	29,1ft	43,7ft	58,3ft	72,9ft	87,4ft	116,6ft	145,7ft

LINEAR DISTRIBUTION DIAGRAM

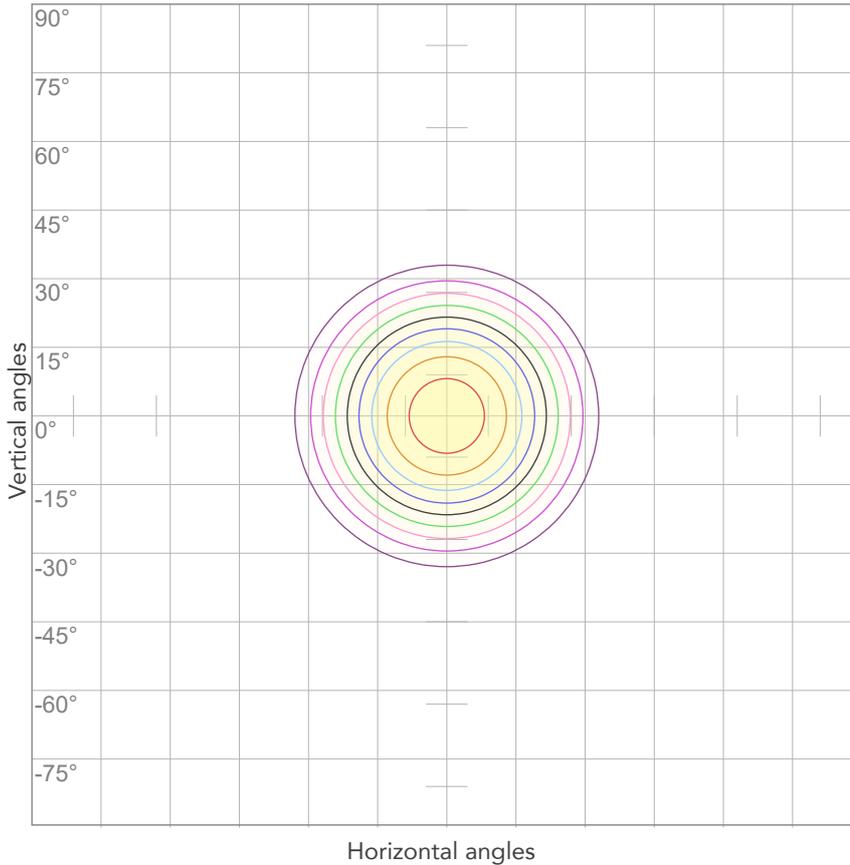


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,166A	21,9W	0,59	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM

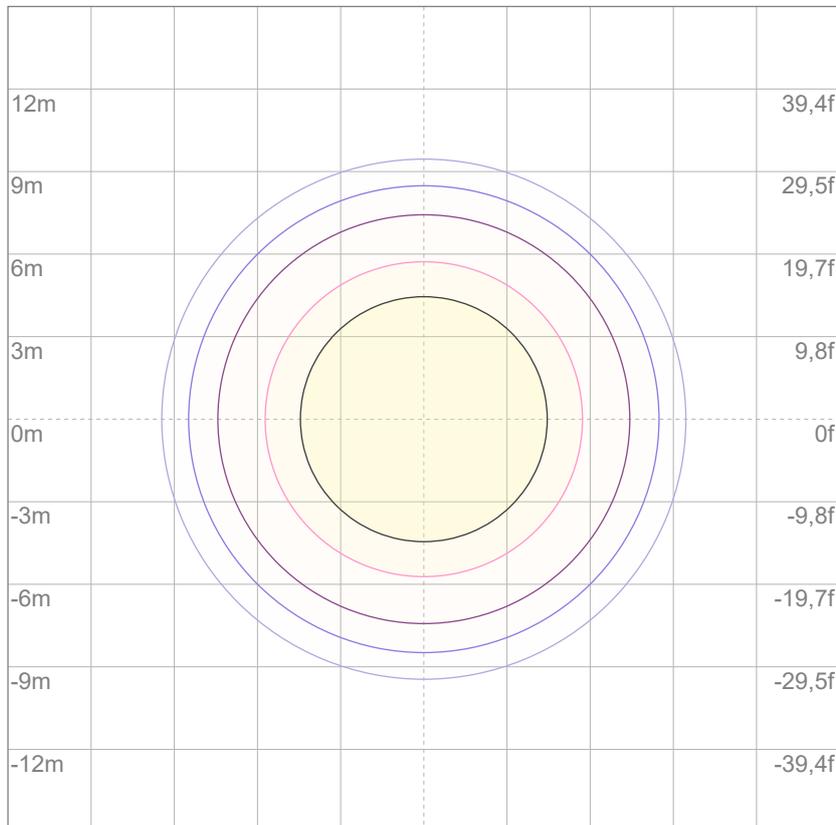


10%	53 cd
20%	106 cd
30%	158 cd
40%	211 cd
50%	264 cd
60%	317 cd
70%	370 cd
80%	422 cd

Conditions:

Number of c-planes: 2
Candela at center: 528 cd

ISO LUX DIAGRAM



3%	0,158 lx
5%	0,264 lx
10%	0,528 lx
30%	1,58 lx
50%	2,64 lx

Conditions:

Number of c-planes: 2
Lux at center: 5,28 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

231 lm

Peak candela output:

5741 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

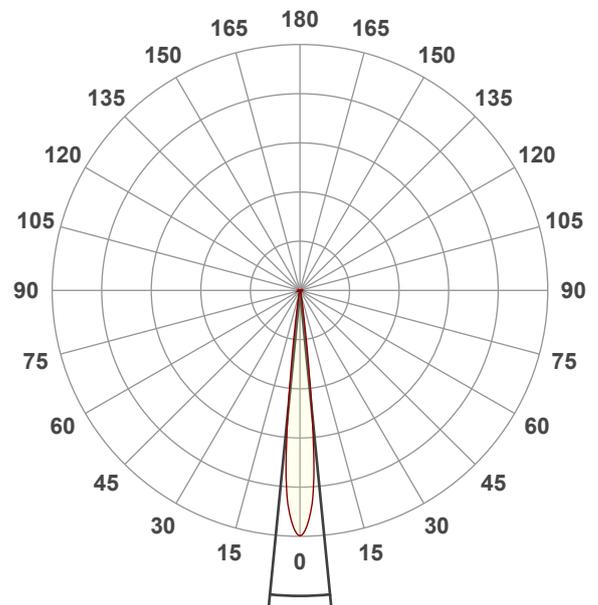
Red

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:26:23

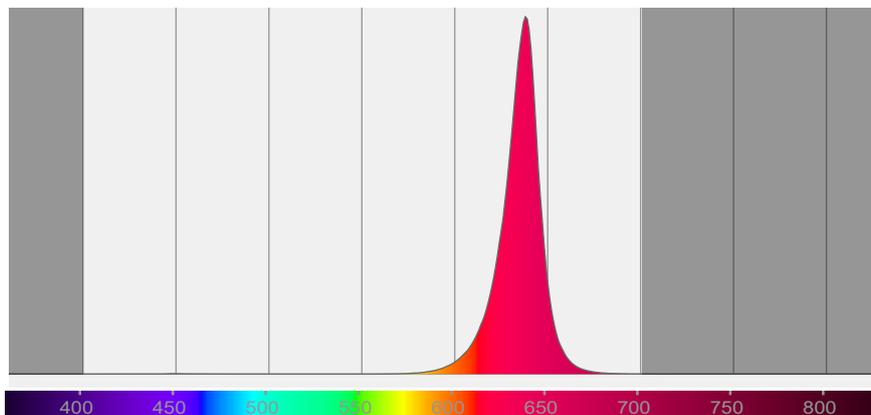


Beam angle 50%: 11,2°

Field angle 10%: 16,9°

Cut off angle 2.5%: 23,8°

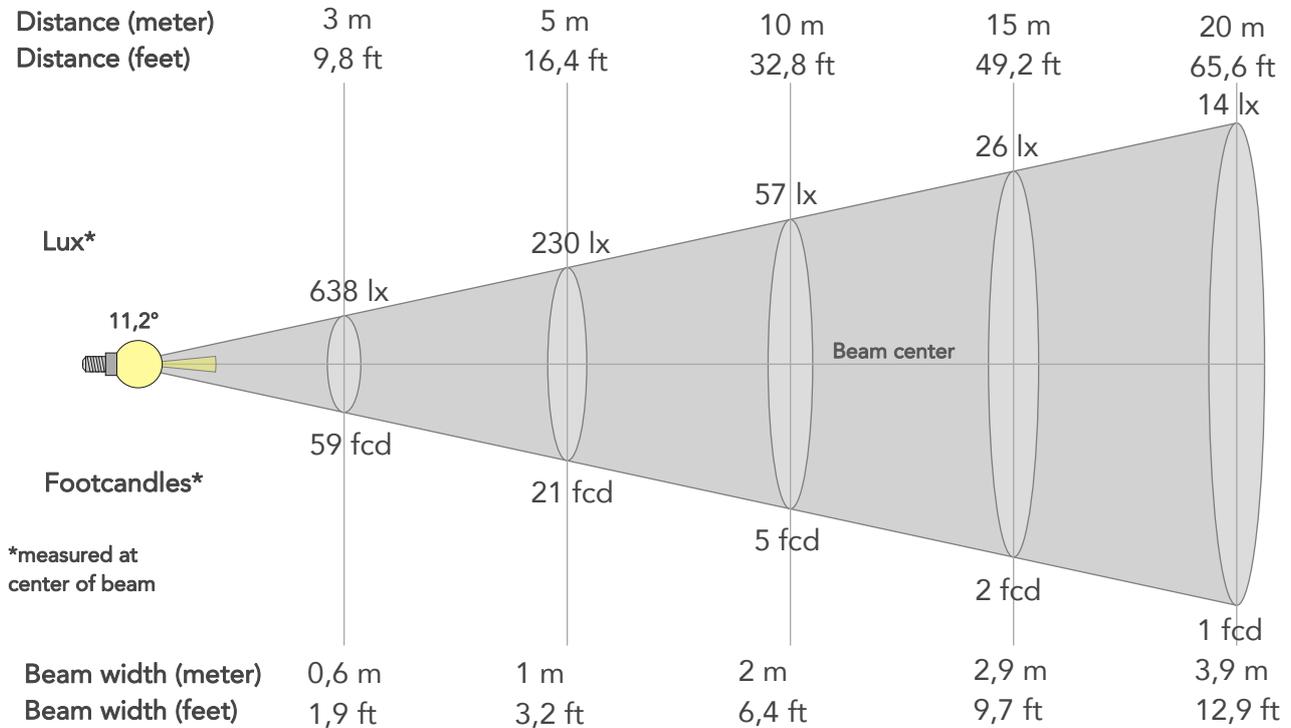
Spectra



BEAM DETAILS



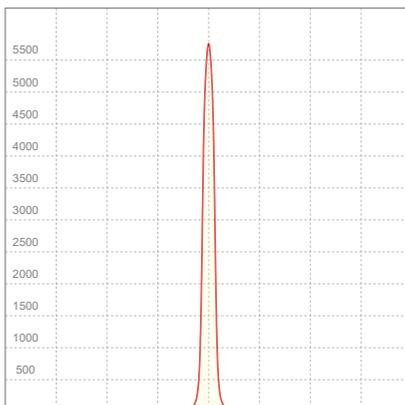
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,2°	16,9°	23,8°	99,8%	99,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5741lx	1435lx	638lx	359lx	230lx	102lx	57lx	26lx	14lx	9lx	6lx	4lx	2lx
Footcand.	533fcd	133fcd	59fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	2,9m	3,9m	4,9m	5,9m	7,8m	9,8m
Beam wid.	0,6ft	1,3ft	1,9ft	2,6ft	3,2ft	4,8ft	6,4ft	9,7ft	12,9ft	16,1ft	19,3ft	25,7ft	32,2ft

LINEAR DISTRIBUTION DIAGRAM

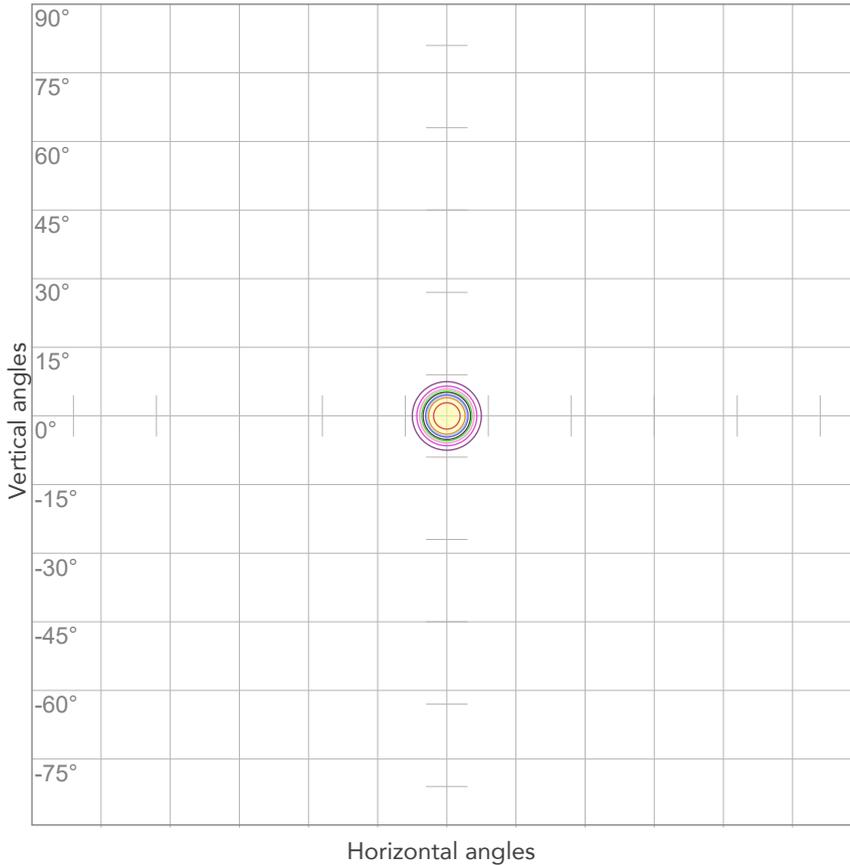


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,166A	22,5W	0,6	10lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



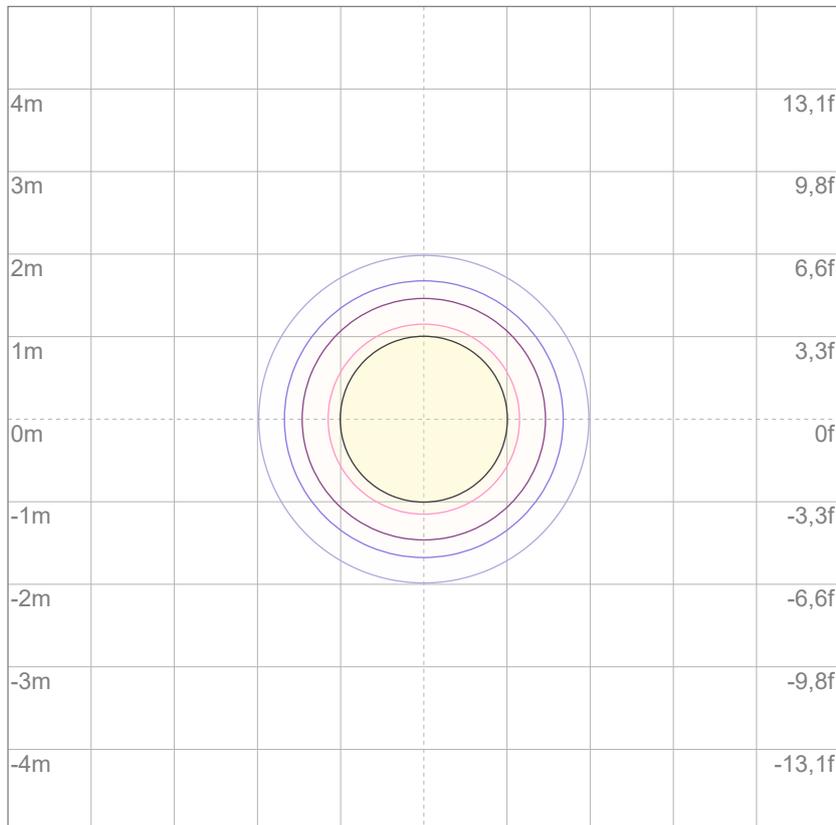
10%	574 cd
20%	1148 cd
30%	1722 cd
40%	2296 cd
50%	2871 cd
60%	3445 cd
70%	4019 cd
80%	4593 cd

Conditions:

Number of c-planes: 2

Candela at center: 5741 cd

ISO LUX DIAGRAM



3%	1,72 lx
5%	2,87 lx
10%	5,74 lx
30%	17,2 lx
50%	28,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 57,4 lx

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



Total lumen output:

733 lm

Peak candela output:

1128 cd

PRODUCT NAME:
ECLFRCTPXS

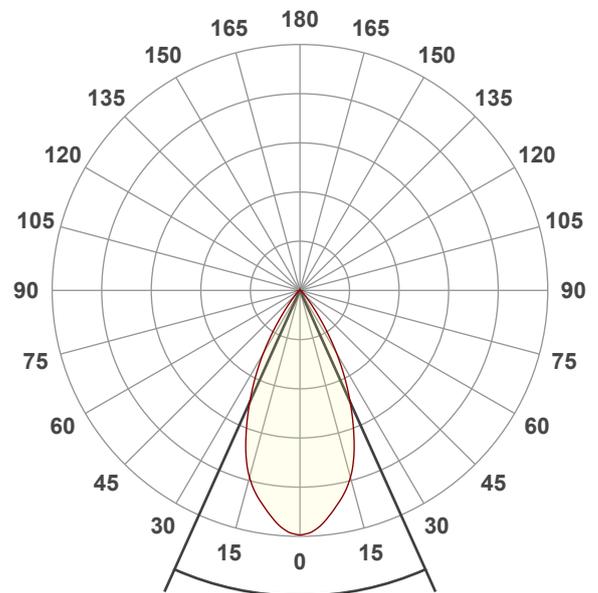
MEASURAMENT CONDITIONS:

Beam angle:
Max Zoom

Target:
Green

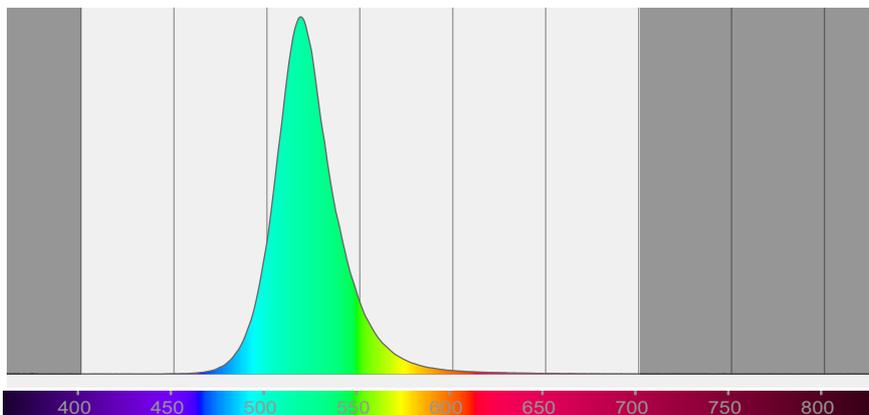
Operator:
Salvatore Giglio

Date and time:
22/01/2025 12:53:09



Beam angle 50%: 48,1°
Field angle 10%: 74,2°
Cut off angle 2.5%: 90,9°

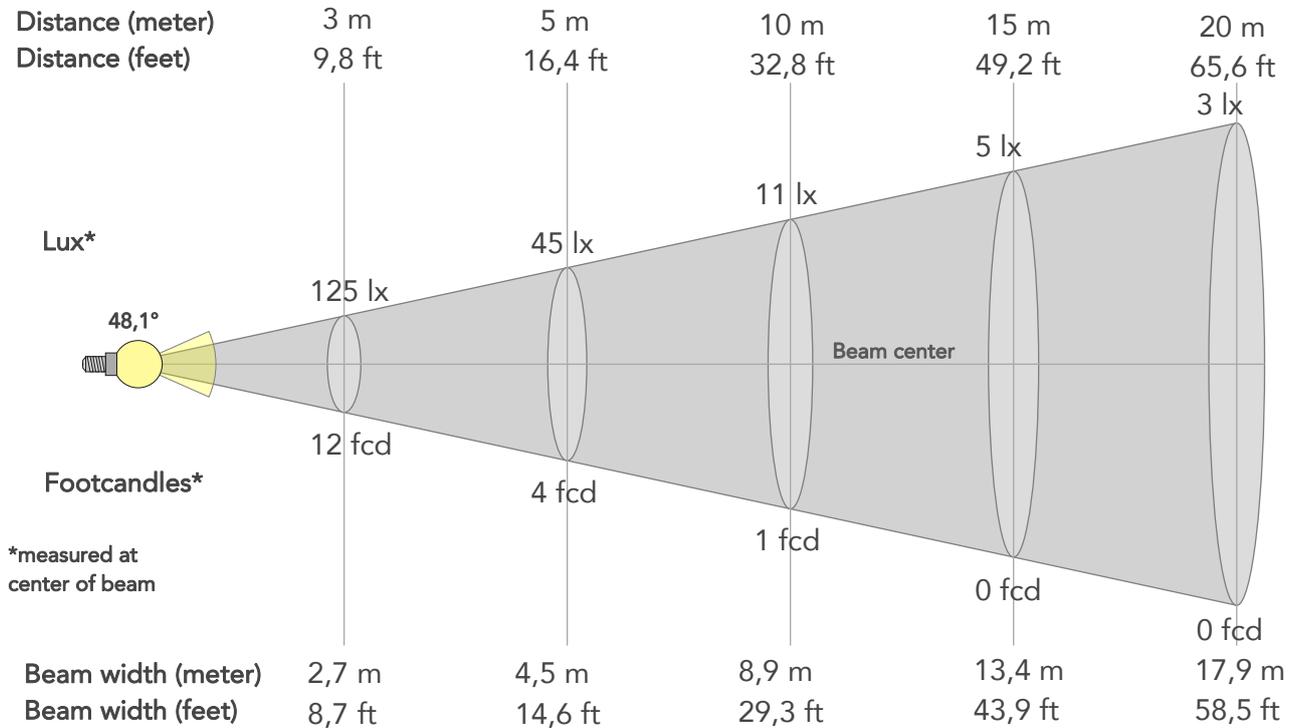
Spectra



BEAM DETAILS



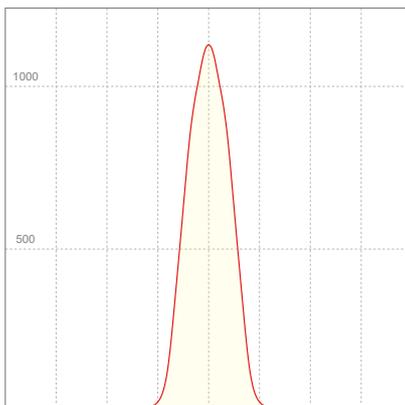
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
48,1°	74,2°	90,9°	99,3%	96,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1128lx	282lx	125lx	71lx	45lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	105fcd	26fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,7m	3,6m	4,5m	6,7m	8,9m	13,4m	17,9m	22,3m	26,8m	35,7m	44,6m
Beam wid.	2,9ft	5,9ft	8,7ft	11,7ft	14,6ft	22ft	29,3ft	43,9ft	58,5ft	73,2ft	87,8ft	117,1ft	146,4ft

LINEAR DISTRIBUTION DIAGRAM

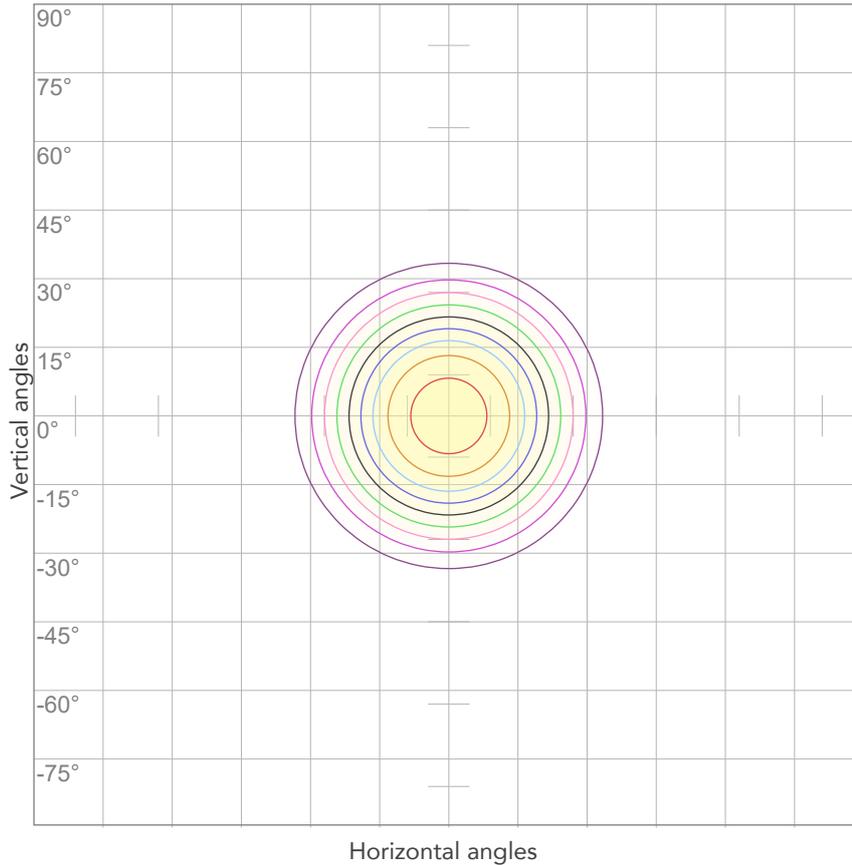


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,169A	23,9W	0,63	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



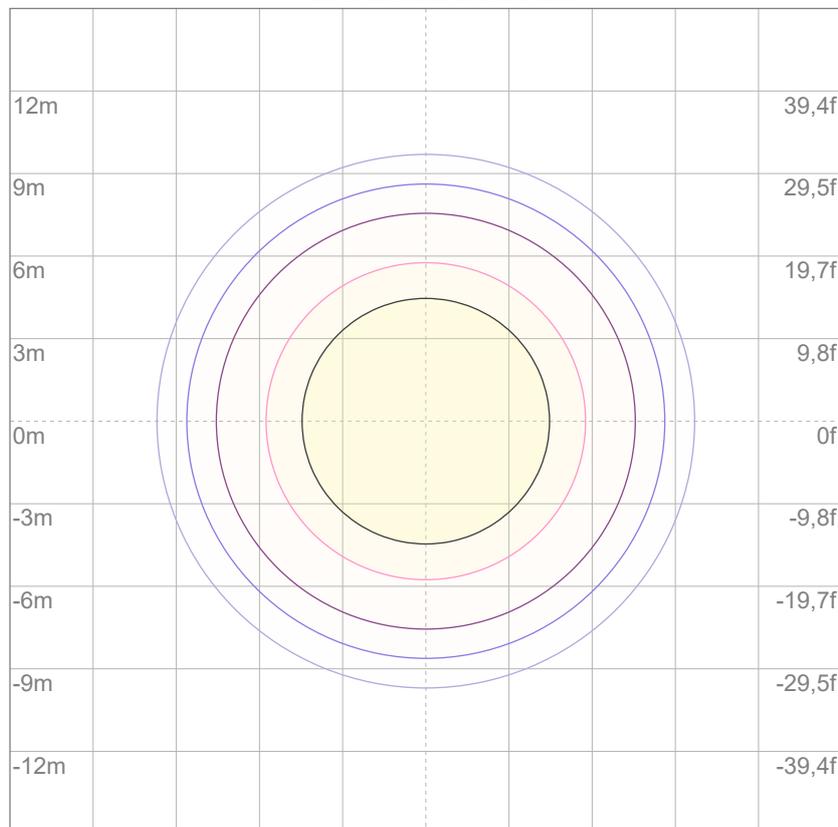
10%	113 cd
20%	226 cd
30%	338 cd
40%	451 cd
50%	564 cd
60%	677 cd
70%	790 cd
80%	902 cd

Conditions:

Number of c-planes: 2

Candela at center: 1128 cd

ISO LUX DIAGRAM



3%	0,338 lx
5%	0,564 lx
10%	1,13 lx
30%	3,38 lx
50%	5,64 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,3 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

497 lm

Peak candela output:

11977 cd

PRODUCT NAME:
ECLFRCTPX5

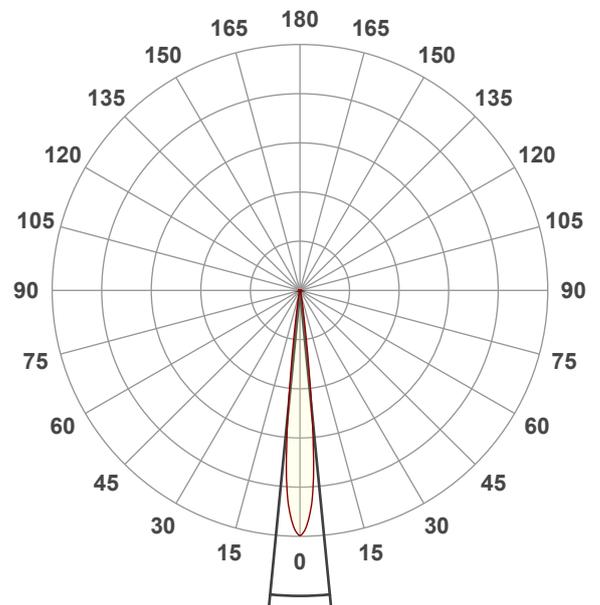
MEASUREMENT CONDITIONS:

Beam angle:
Min Zoom

Target:
Green

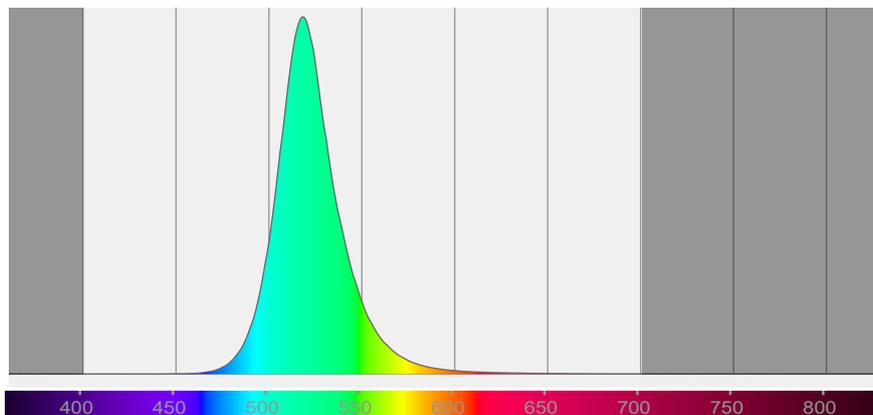
Operator:
Salvatore Giglio

Date and time:
22/01/2025 12:29:39



Beam angle 50%: 11,1°
Field angle 10%: 17,4°
Cut off angle 2.5%: 24,9°

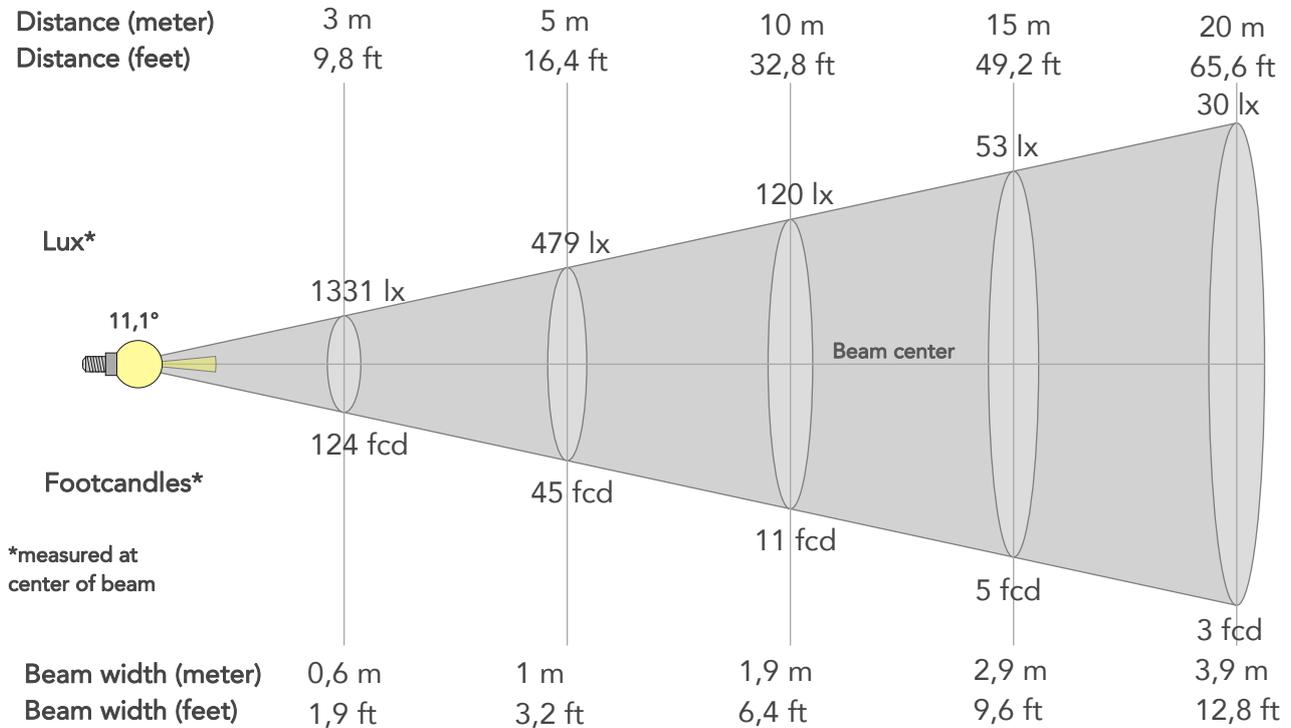
Spectra



BEAM DETAILS



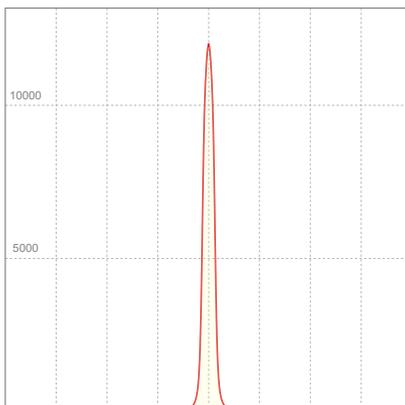
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,1°	17,4°	24,9°	99,6%	98,8%



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	11977lx	2994lx	1331lx	749lx	479lx	213lx	120lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1113fcd	278fcd	124fcd	70fcd	45fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	1,9m	2,9m	3,9m	4,9m	5,8m	7,8m	9,7m
Beam wid.	0,6ft	1,3ft	1,9ft	2,6ft	3,2ft	4,8ft	6,4ft	9,6ft	12,8ft	16ft	19,2ft	25,6ft	31,9ft

LINEAR DISTRIBUTION DIAGRAM

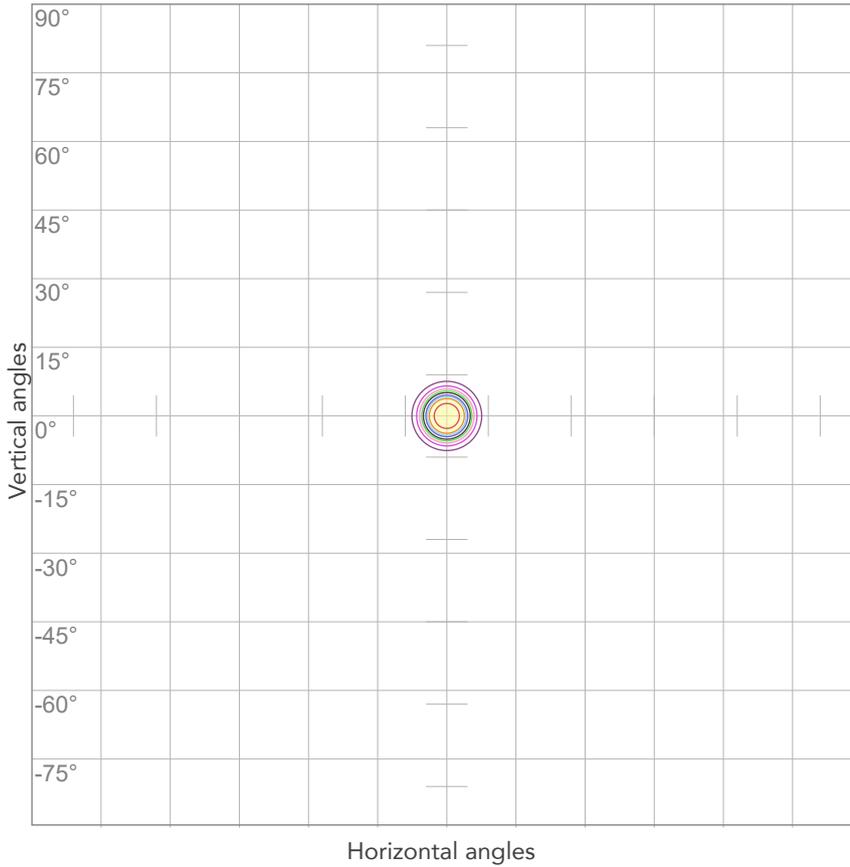


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,168A	23,9W	0,64	21lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



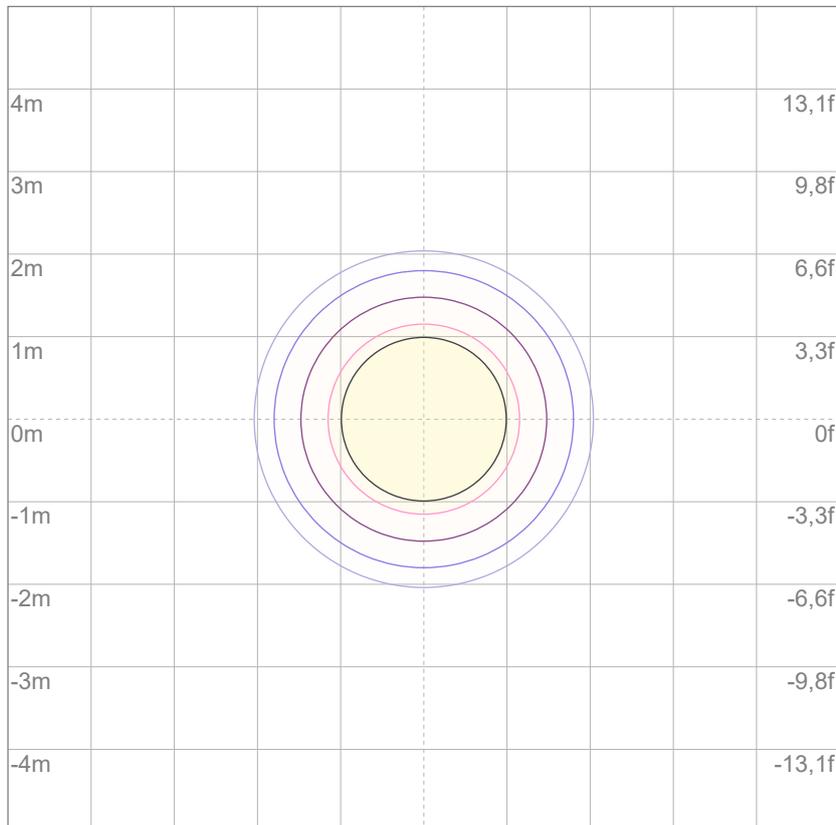
10%	1198 cd
20%	2395 cd
30%	3593 cd
40%	4791 cd
50%	5989 cd
60%	7186 cd
70%	8384 cd
80%	9582 cd

Conditions:

Number of c-planes: 2

Candela at center: 11977 cd

ISO LUX DIAGRAM



3%	3,59 lx
5%	5,99 lx
10%	12,0 lx
30%	35,9 lx
50%	59,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 120 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

189 lm

Peak candela output:

284 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

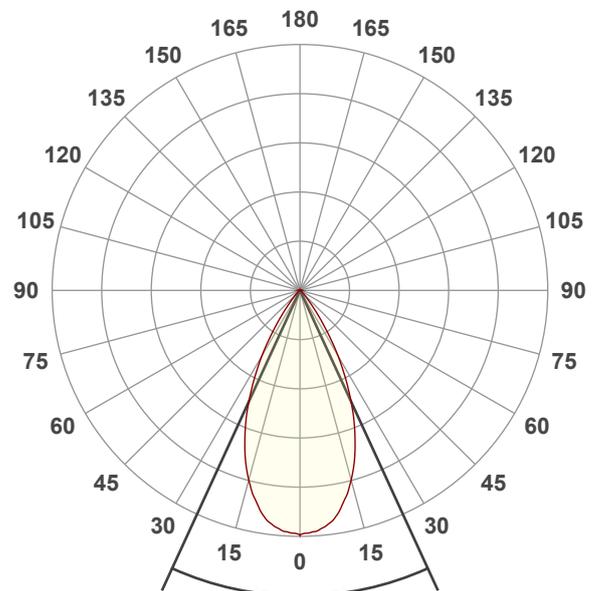
Blue

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:57:47

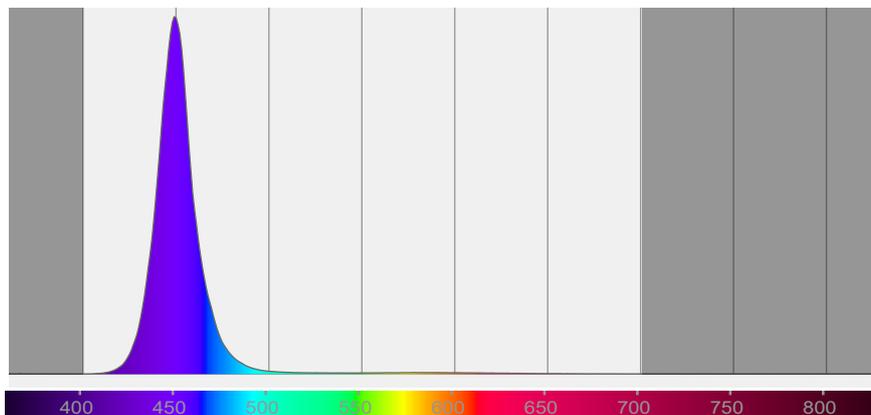


Beam angle 50%: 49,1°

Field angle 10%: 74,5°

Cut off angle 2.5%: 90,1°

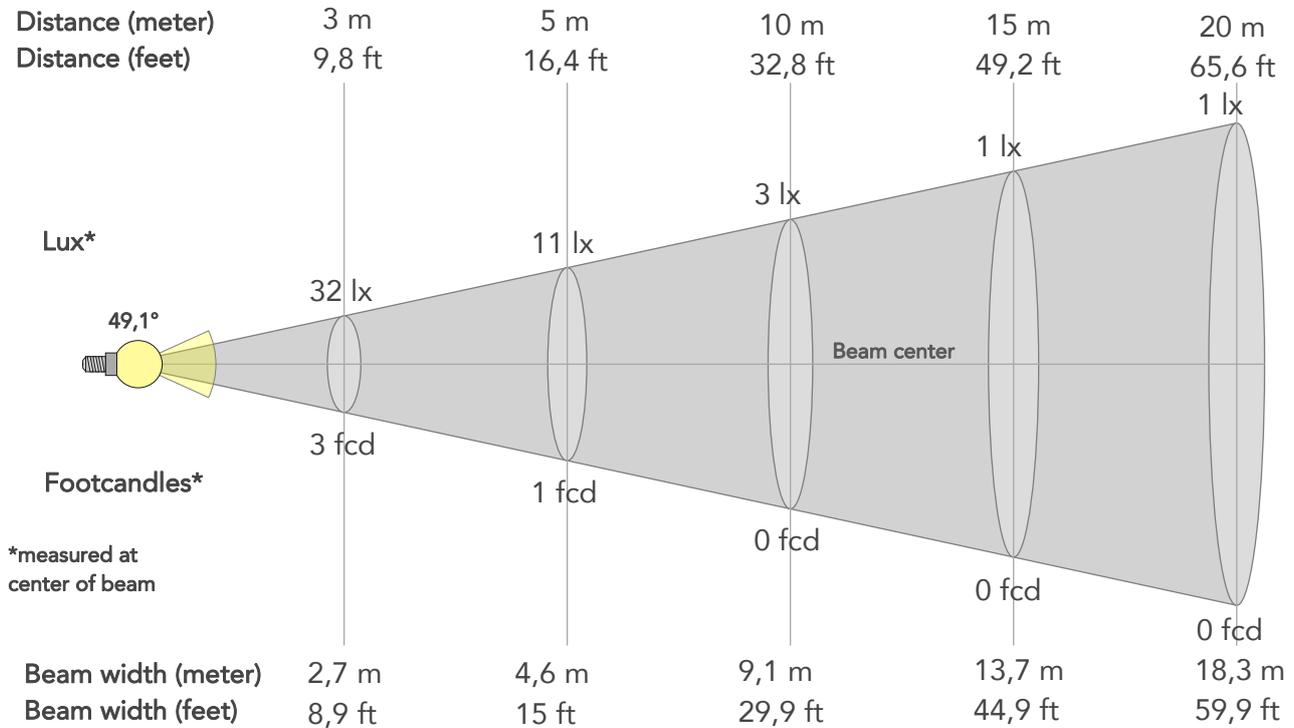
Spectra



BEAM DETAILS



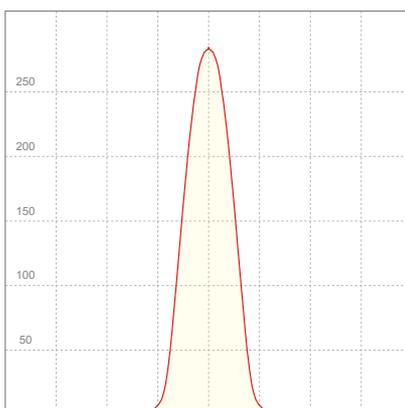
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,1°	74,5°	90,1°	99,2%	97,0%



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	284lx	71lx	32lx	18lx	11lx	5lx	3lx	1lx	1lx	0lx	0lx	0lx	0lx
Footcand.	26fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd						
Beam wid.	0,9m	1,8m	2,7m	3,7m	4,6m	6,8m	9,1m	13,7m	18,3m	22,8m	27,4m	36,5m	45,6m
Beam wid.	3ft	6ft	8,9ft	12ft	15ft	22,5ft	29,9ft	44,9ft	59,9ft	74,8ft	89,8ft	119,7ft	149,7ft

LINEAR DISTRIBUTION DIAGRAM

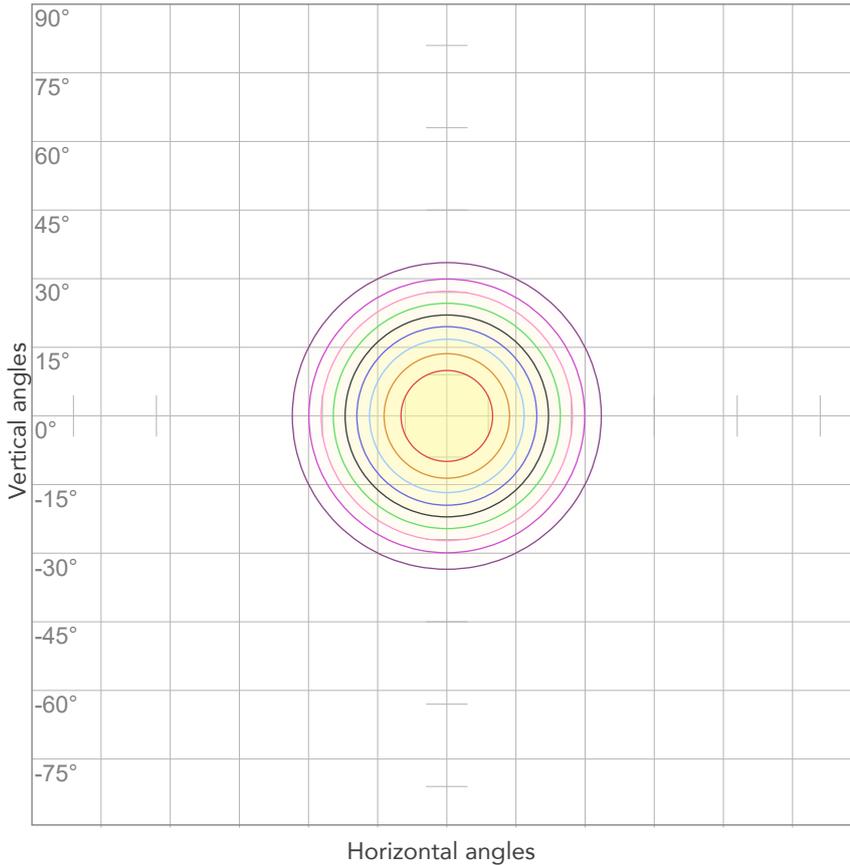


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,171A	25,4W	0,67	7lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



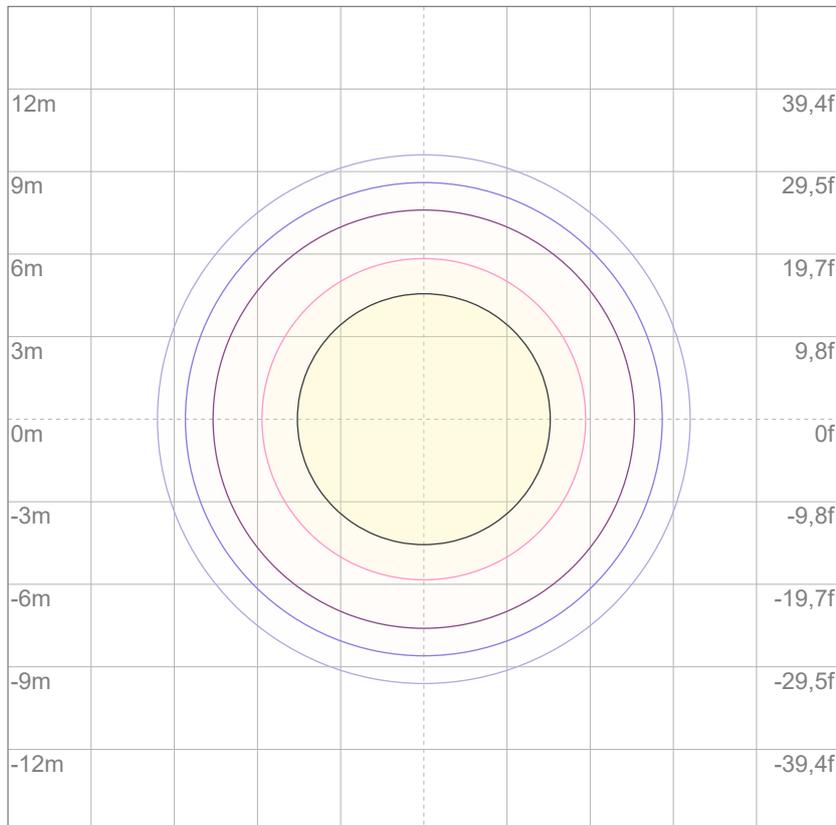
10%	28 cd
20%	57 cd
30%	85 cd
40%	114 cd
50%	142 cd
60%	171 cd
70%	199 cd
80%	227 cd

Conditions:

Number of c-planes: 2

Candela at center: 284 cd

ISO LUX DIAGRAM



3%	85,3m lx
5%	0,142 lx
10%	0,284 lx
30%	0,853 lx
50%	1,42 lx

Conditions:

Number of c-planes: 2

Lux at center: 2,84 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

125 lm

Peak candela output:

2958 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

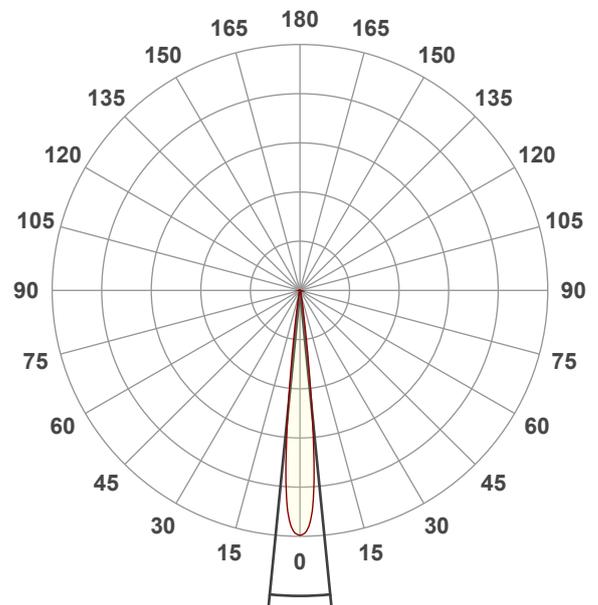
Blue

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:31:37

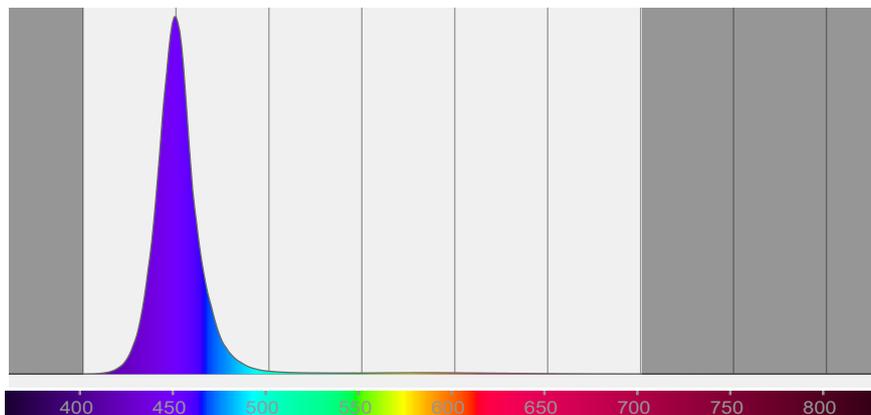


Beam angle 50%: 11,3°

Field angle 10%: 17,5°

Cut off angle 2.5%: 24,6°

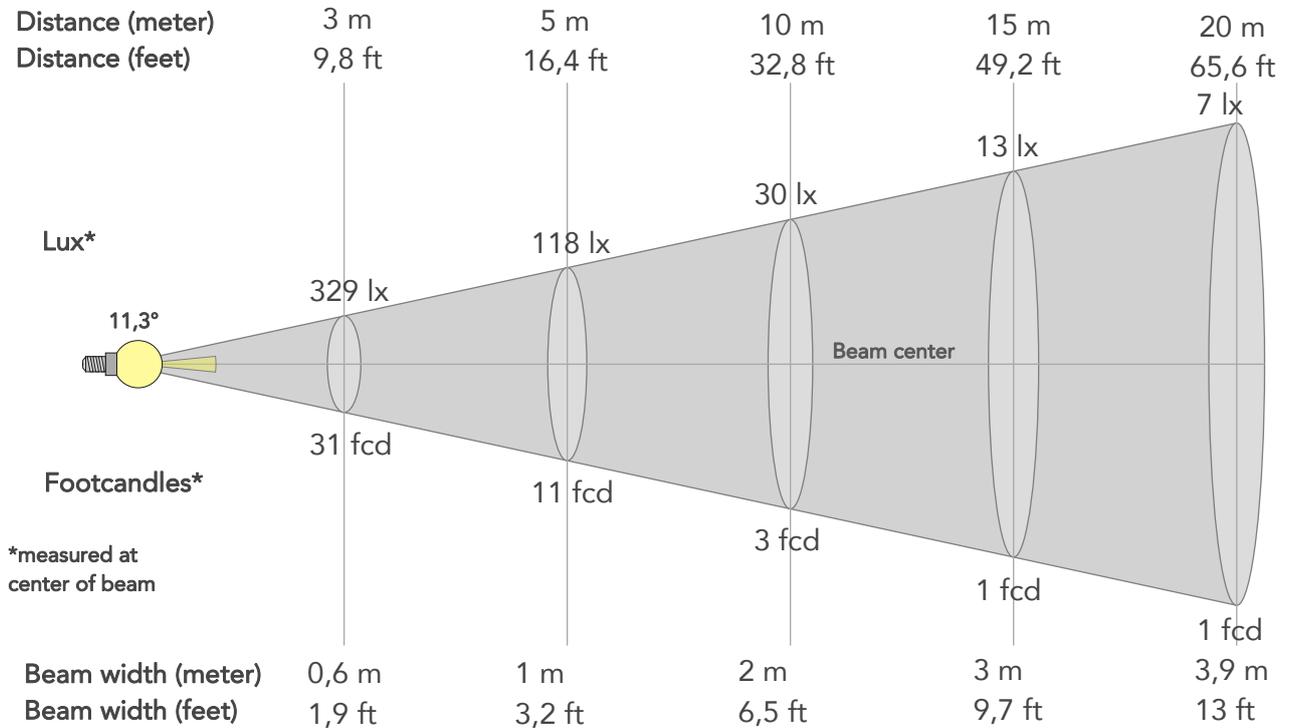
Spectra



BEAM DETAILS



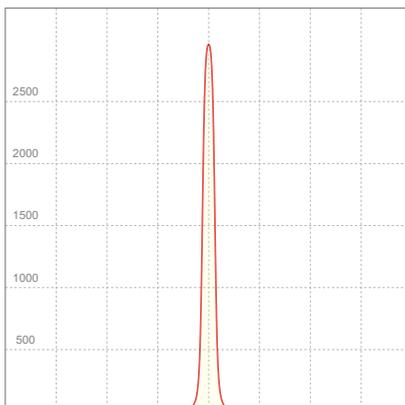
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,5°	24,6°	99,5%	98,8%



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	2958lx	739lx	329lx	185lx	118lx	53lx	30lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	275fcd	69fcd	31fcd	17fcd	11fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	3,9m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,4ft	25,9ft	32,4ft

LINEAR DISTRIBUTION DIAGRAM

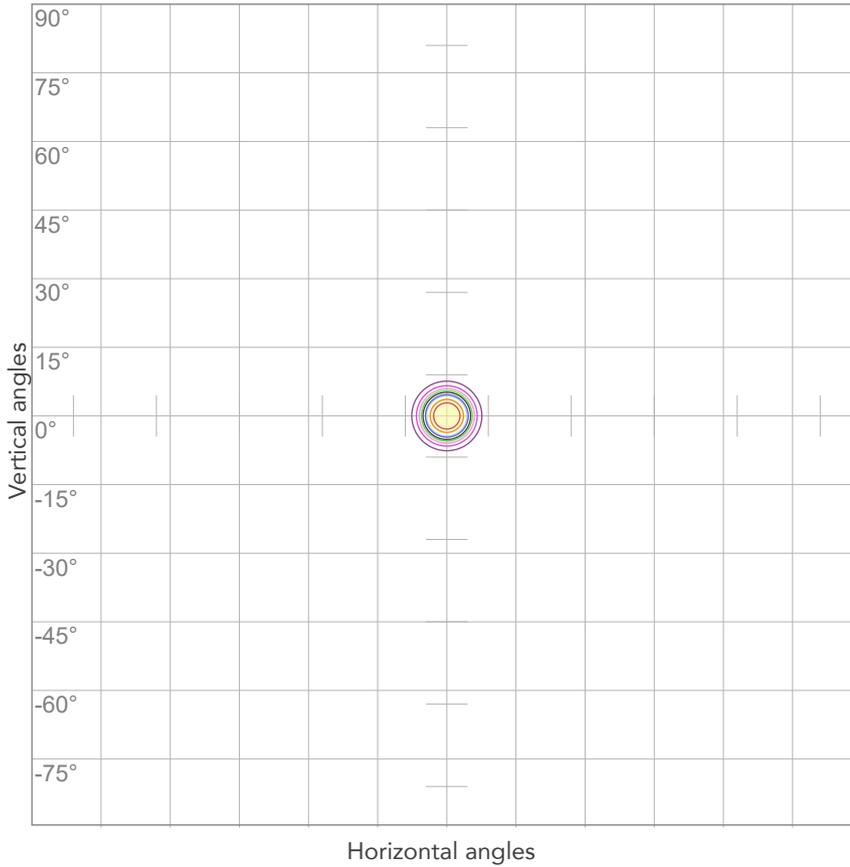


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,170A	25,4W	0,67	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



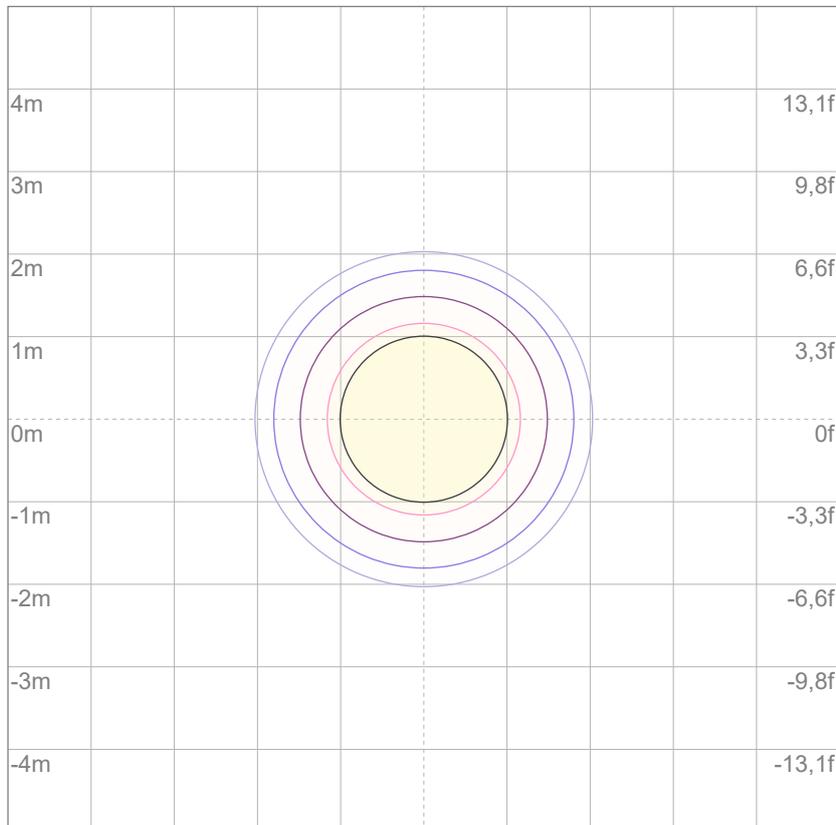
10%	296 cd
20%	592 cd
30%	887 cd
40%	1183 cd
50%	1479 cd
60%	1775 cd
70%	2071 cd
80%	2366 cd

Conditions:

Number of c-planes: 2

Candela at center: 2958 cd

ISO LUX DIAGRAM



3%	0,887 lx
5%	1,48 lx
10%	2,96 lx
30%	8,87 lx
50%	14,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 29,6 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

467 lm

Peak candela output:

706 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

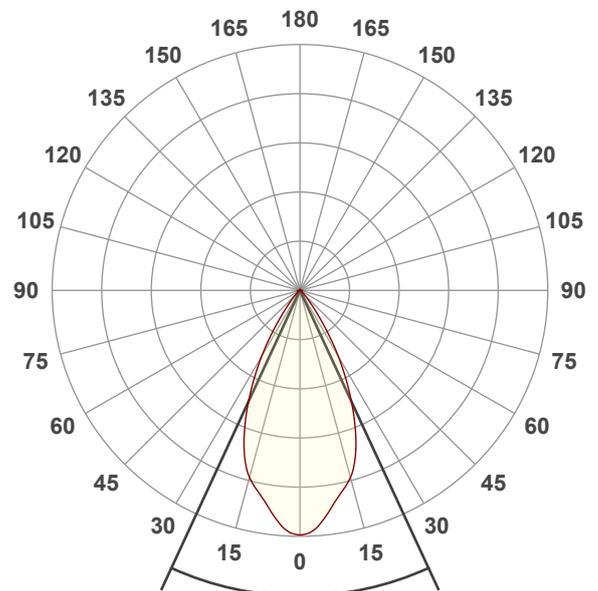
Cyan

Operator:

Salvatore Giglio

Date and time:

22/01/2025 13:00:00

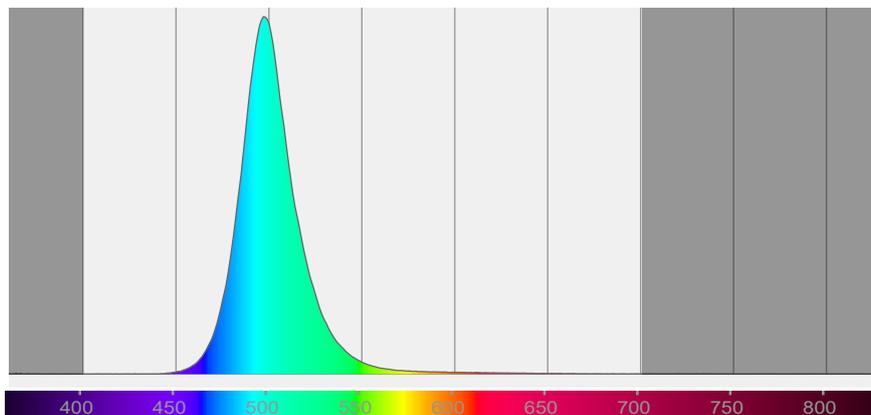


Beam angle 50%: 49,4°

Field angle 10%: 74,6°

Cut off angle 2.5%: 91,3°

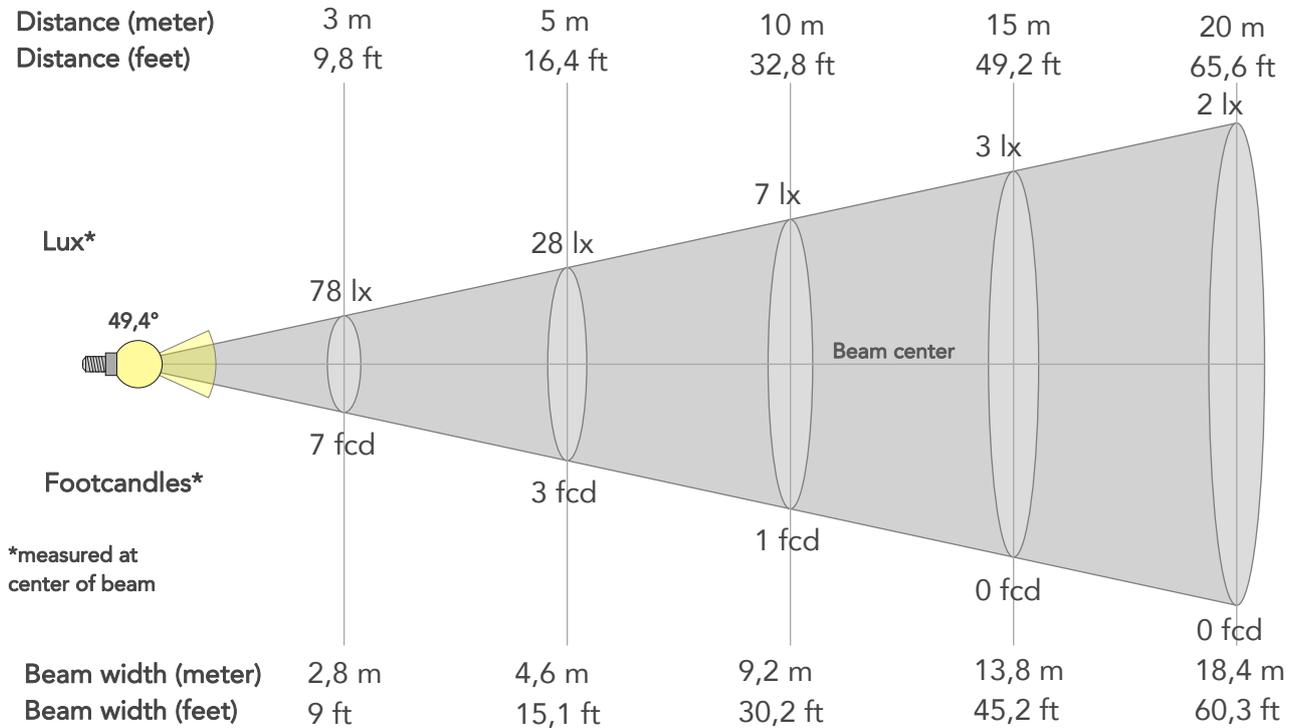
Spectra



BEAM DETAILS



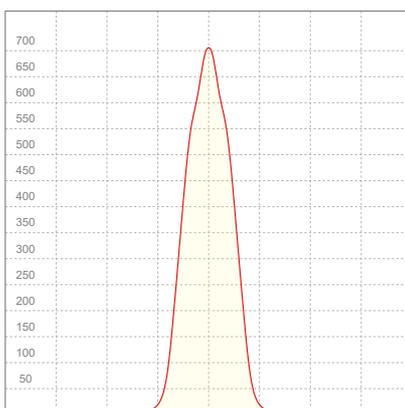
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,4°	74,6°	91,3°	99,5%	97,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	706lx	176lx	78lx	44lx	28lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	66fcd	16fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,8m	3,7m	4,6m	6,9m	9,2m	13,8m	18,4m	23m	27,6m	36,8m	46m
Beam wid.	3ft	6,1ft	9ft	12ft	15,1ft	22,6ft	30,2ft	45,2ft	60,3ft	75,4ft	90,5ft	120,6ft	150,8ft

LINEAR DISTRIBUTION DIAGRAM

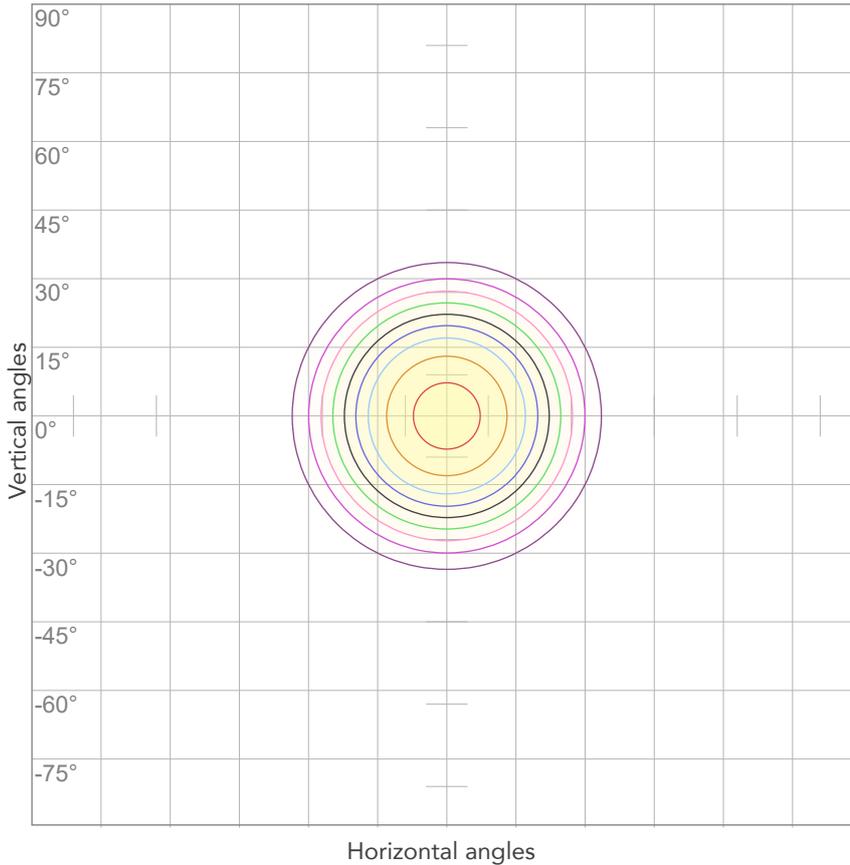


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,170A	25,4W	0,66	18lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM

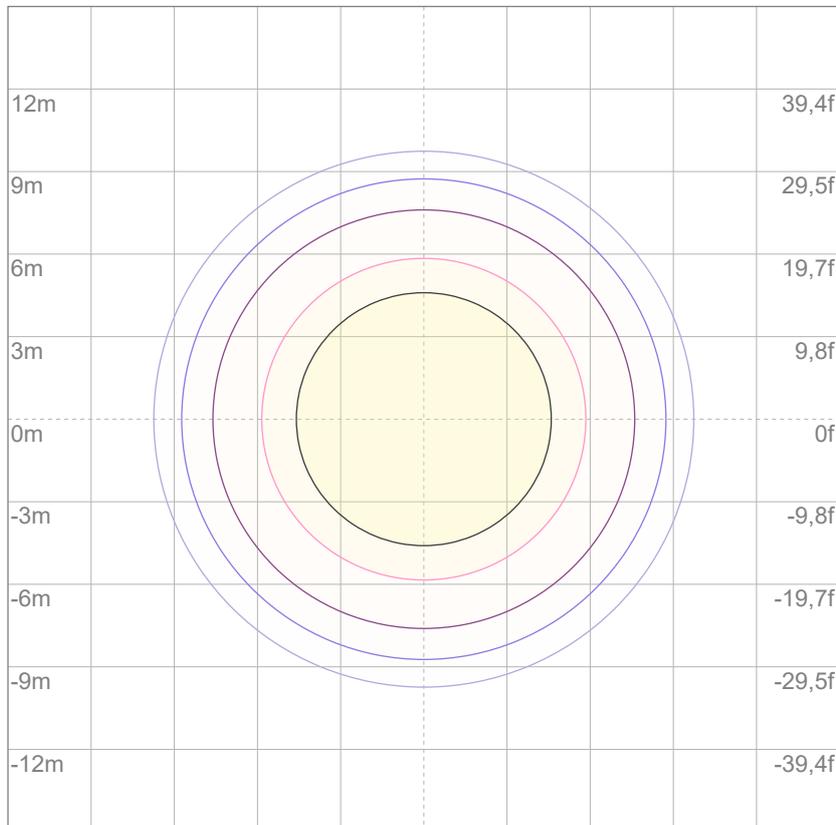


10%	71 cd
20%	141 cd
30%	212 cd
40%	282 cd
50%	353 cd
60%	423 cd
70%	494 cd
80%	565 cd

Conditions:

Number of c-planes: 2
Candela at center: 706 cd

ISO LUX DIAGRAM



3%	0,212 lx
5%	0,353 lx
10%	0,706 lx
30%	2,12 lx
50%	3,53 lx

Conditions:

Number of c-planes: 2
Lux at center: 7,06 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

316 lm

Peak candela output:

7414 cd

PRODUCT NAME:

ECLFRCTPXS

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

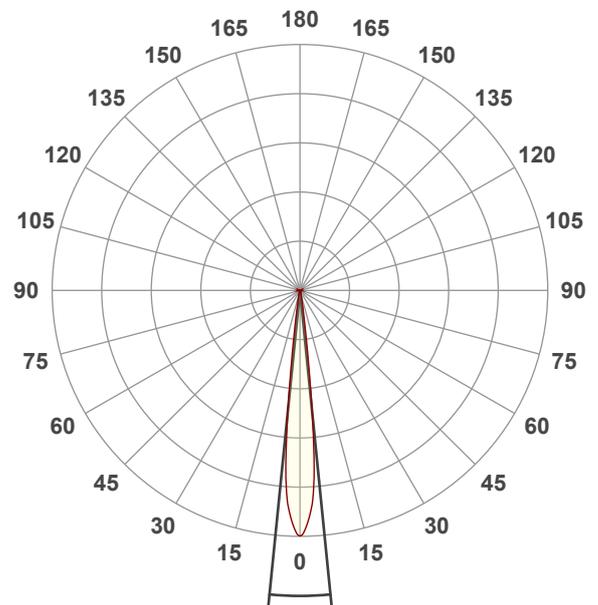
Cyan

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:35:20

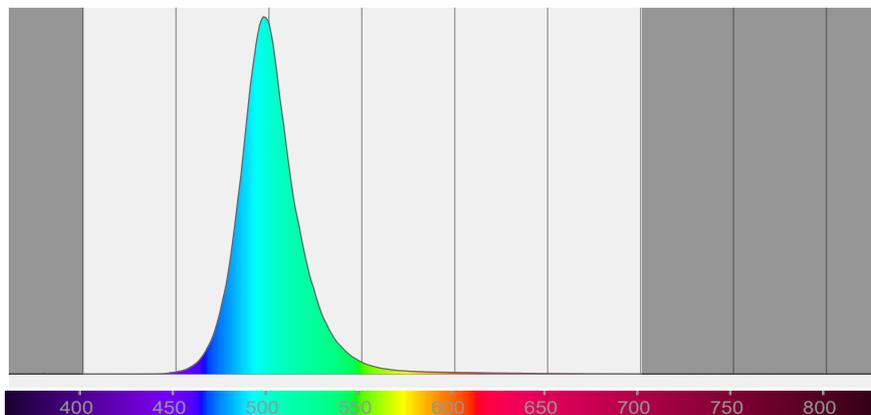


Beam angle 50%: 11,4°

Field angle 10%: 17,5°

Cut off angle 2.5%: 25,2°

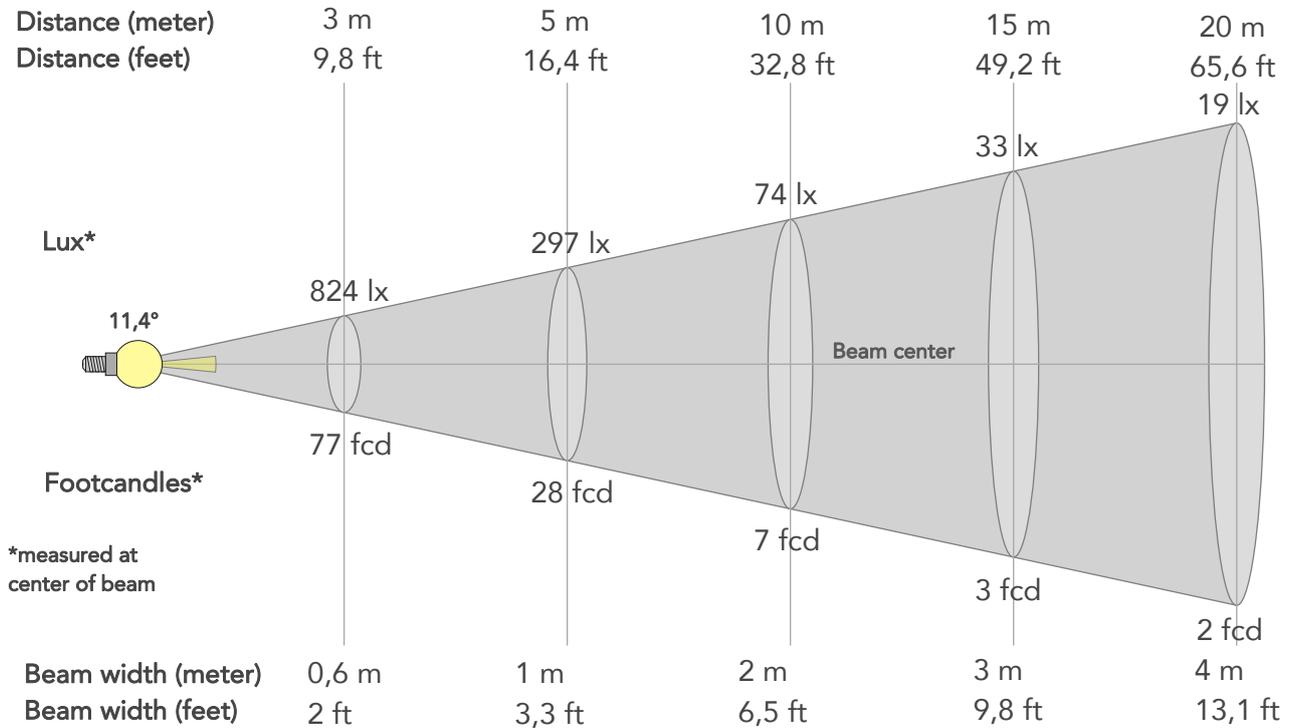
Spectra



BEAM DETAILS



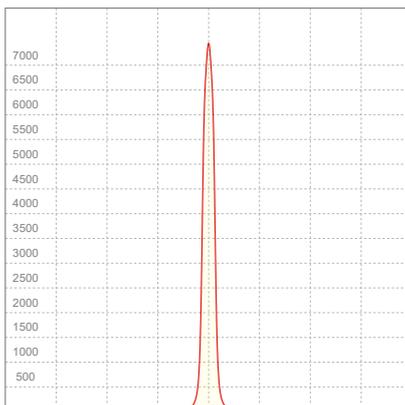
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,4°	17,5°	25,2°	99,6%	98,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7414lx	1853lx	824lx	463lx	297lx	132lx	74lx	33lx	19lx	12lx	8lx	5lx	3lx
Footcand.	689fcd	172fcd	77fcd	43fcd	28fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	5m	6m	8m	9,9m
Beam wid.	0,7ft	1,3ft	2ft	2,6ft	3,3ft	4,9ft	6,5ft	9,8ft	13,1ft	16,3ft	19,6ft	26,1ft	32,6ft

LINEAR DISTRIBUTION DIAGRAM

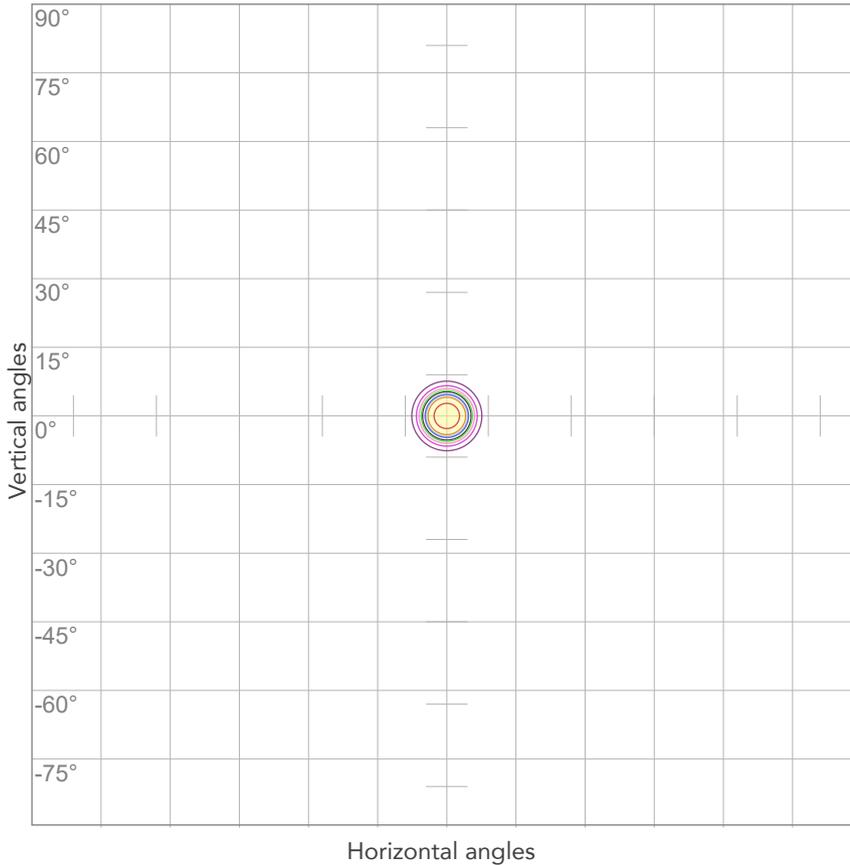


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,173A	25,5W	0,66	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



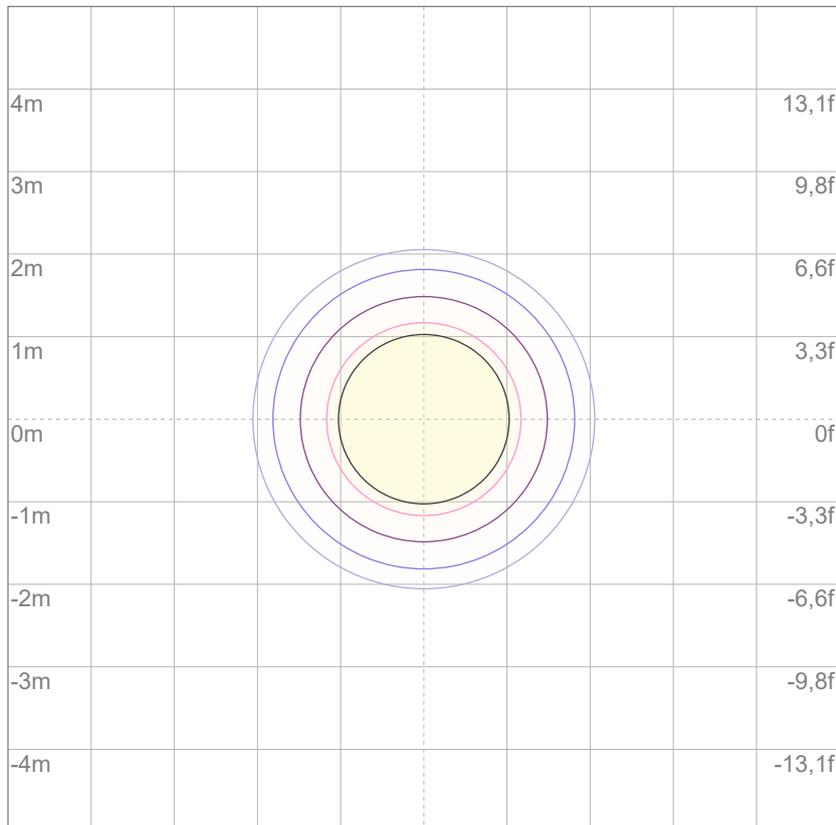
10%	741 cd
20%	1483 cd
30%	2224 cd
40%	2965 cd
50%	3707 cd
60%	4448 cd
70%	5189 cd
80%	5931 cd

Conditions:

Number of c-planes: 2

Candela at center: 7414 cd

ISO LUX DIAGRAM



3%	2,22 lx
5%	3,71 lx
10%	7,41 lx
30%	22,2 lx
50%	37,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 74,1 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

1003 lm

Peak candela output:

1486 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

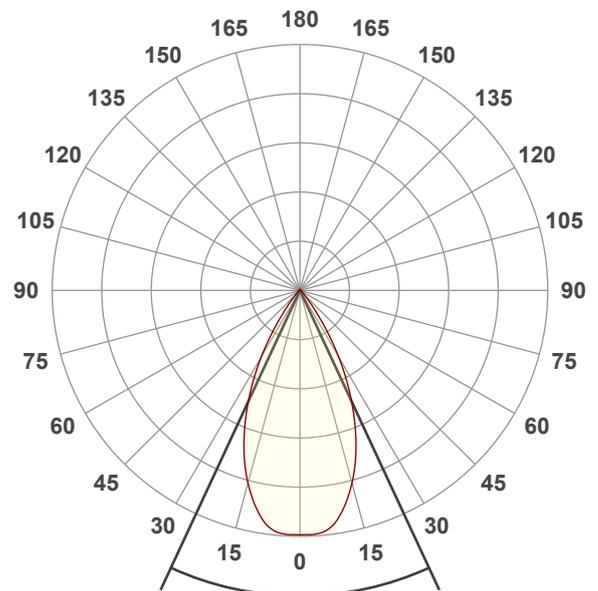
Amber

Operator:

Salvatore Giglio

Date and time:

22/01/2025 13:02:13

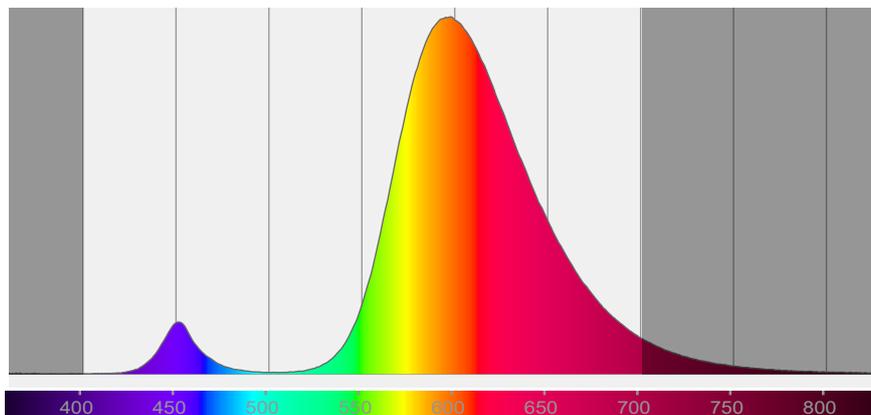


Beam angle 50%: 49,6°

Field angle 10%: 74,3°

Cut off angle 2.5%: 90,7°

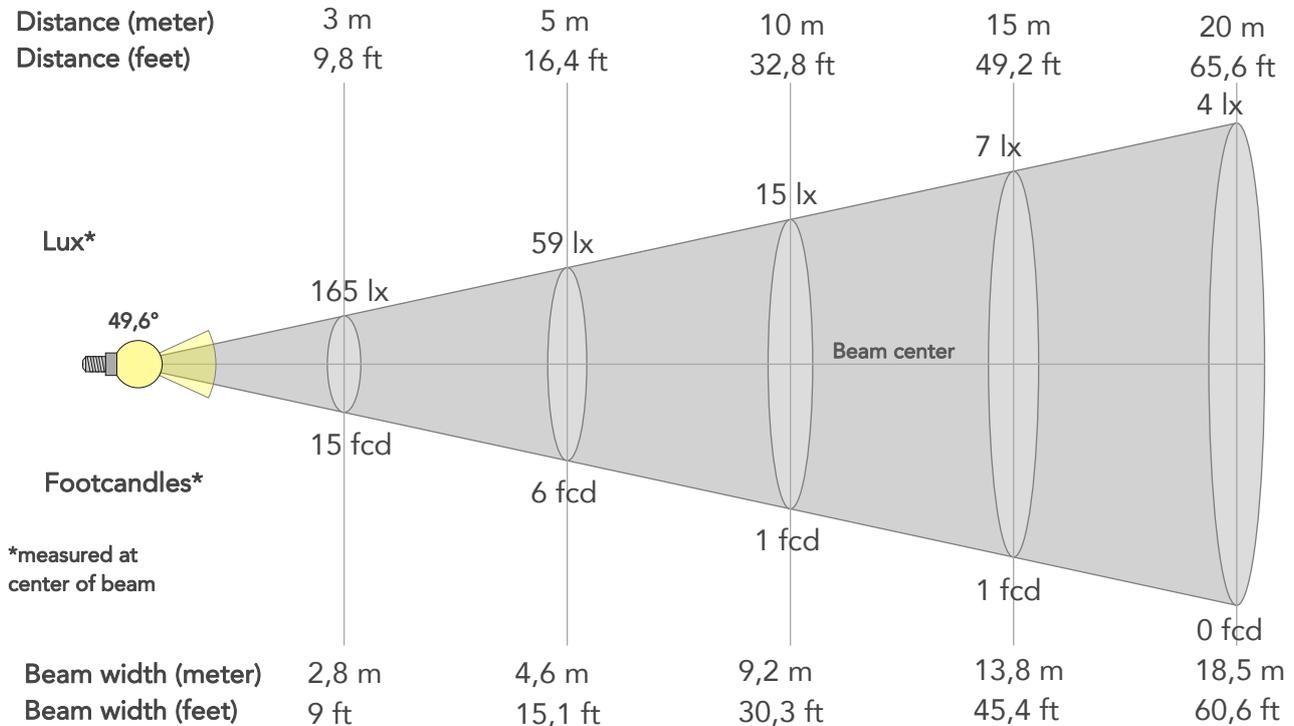
Spectra



BEAM DETAILS



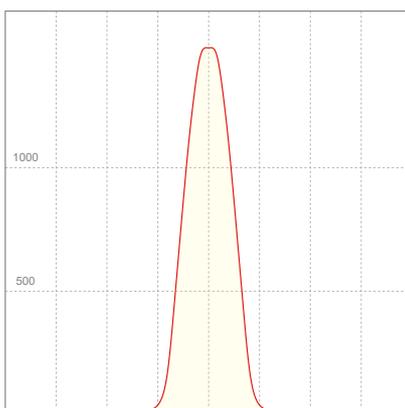
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,6°	74,3°	90,7°	99,4%	97,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1486lx	372lx	165lx	93lx	59lx	26lx	15lx	7lx	4lx	2lx	2lx	1lx	1lx
Footcand.	138fcd	35fcd	15fcd	9fcd	6fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,8m	3,7m	4,6m	6,9m	9,2m	13,8m	18,5m	23,1m	27,7m	36,9m	46,2m
Beam wid.	3ft	6,1ft	9ft	12,1ft	15,1ft	22,7ft	30,3ft	45,4ft	60,6ft	75,7ft	90,8ft	121,1ft	151,4ft

LINEAR DISTRIBUTION DIAGRAM

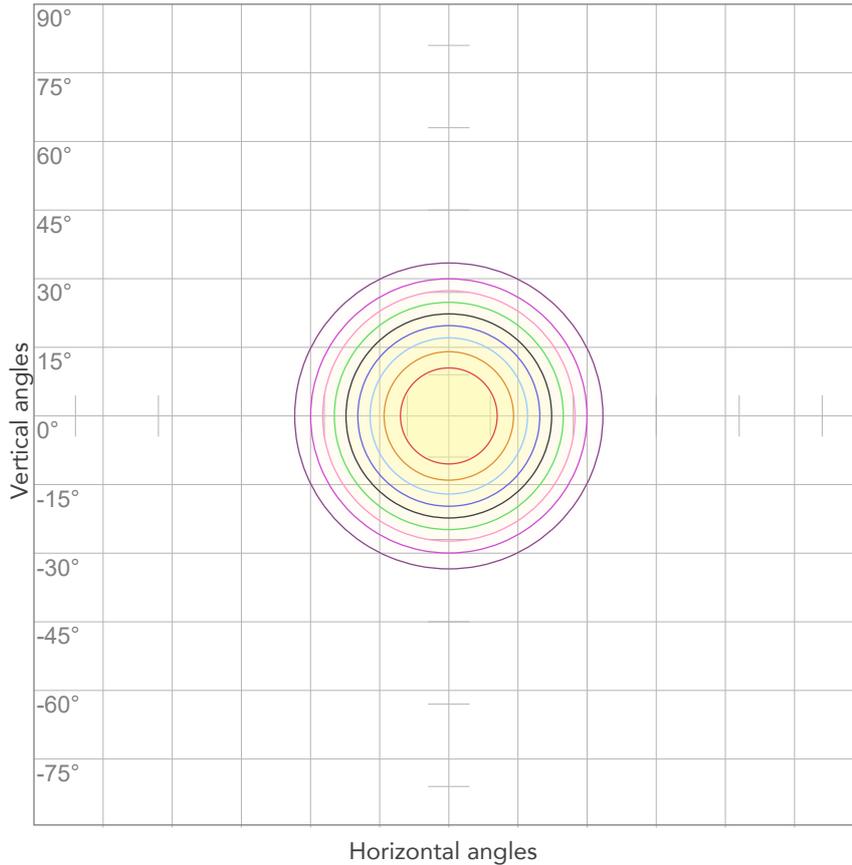


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,224A	43,6W	0,87	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



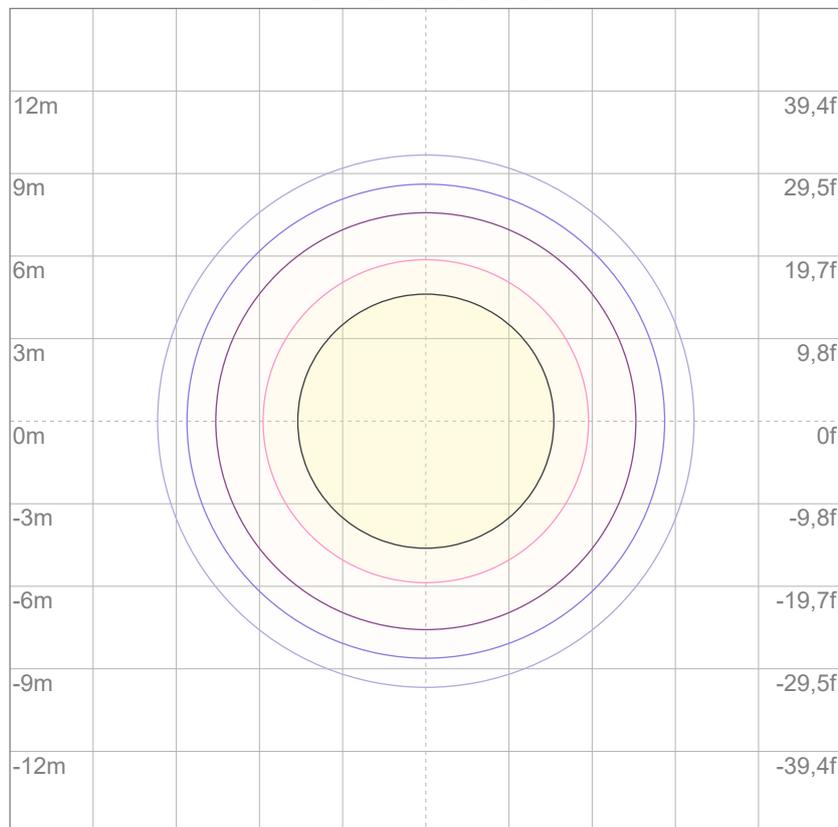
10%	149 cd
20%	297 cd
30%	446 cd
40%	594 cd
50%	743 cd
60%	892 cd
70%	1040 cd
80%	1189 cd

Conditions:

Number of c-planes: 2

Candela at center: 1486 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,446 lx
5%	0,743 lx
10%	1,49 lx
30%	4,46 lx
50%	7,43 lx

Conditions:

Number of c-planes: 2

Lux at center: 14,9 lx

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



Total lumen output:

685 lm

Peak candela output:

16123 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

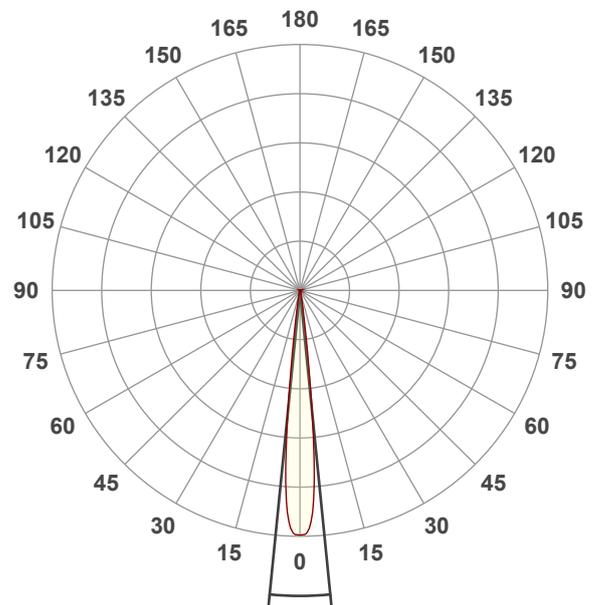
Amber

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:37:14

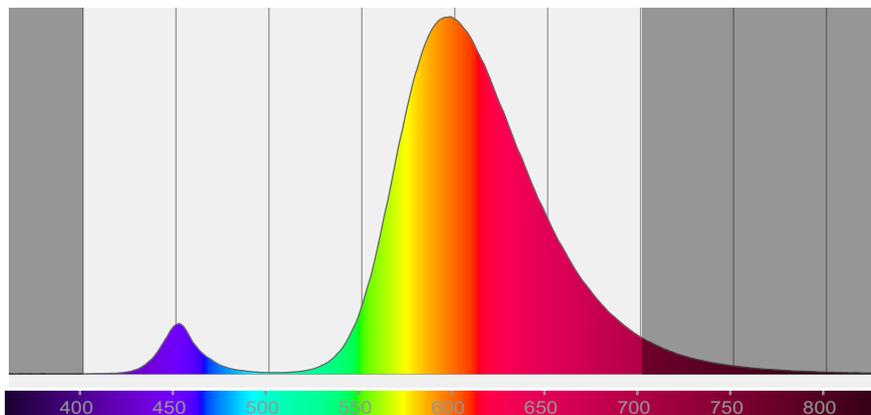


Beam angle 50%: 11,3°

Field angle 10%: 17,3°

Cut off angle 2.5%: 24,5°

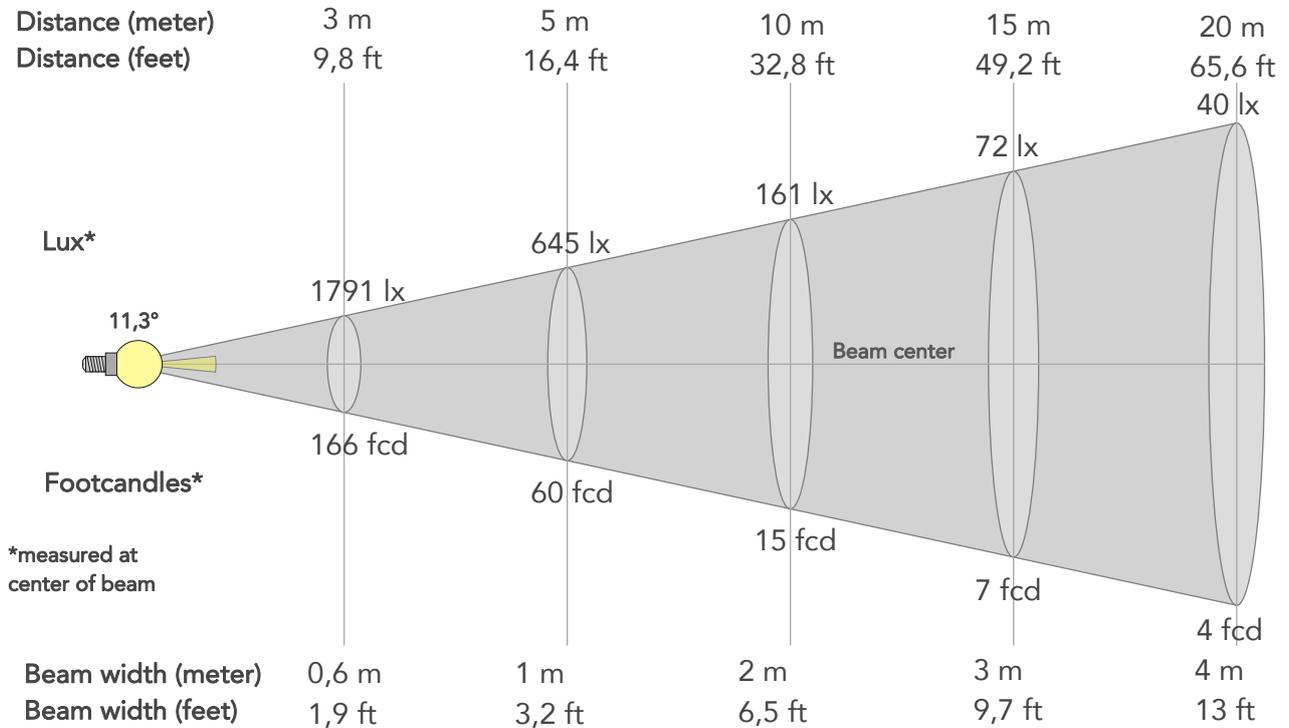
Spectra



BEAM DETAILS



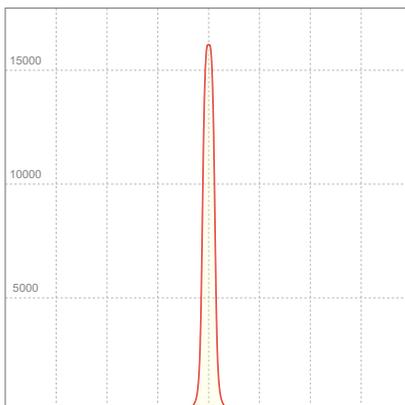
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,3°	24,5°	99,6%	98,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16123lx	4031lx	1791lx	1008lx	645lx	287lx	161lx	72lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1498fcd	374fcd	166fcd	94fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,5ft	26ft	32,5ft

LINEAR DISTRIBUTION DIAGRAM

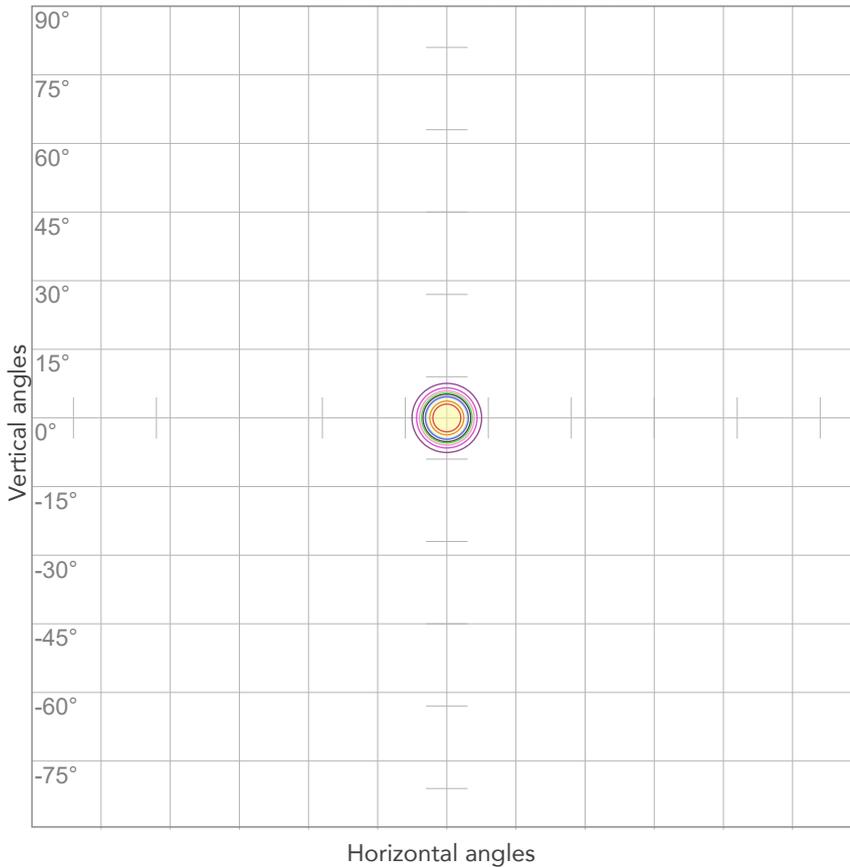


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,225A	43,6W	0,86	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



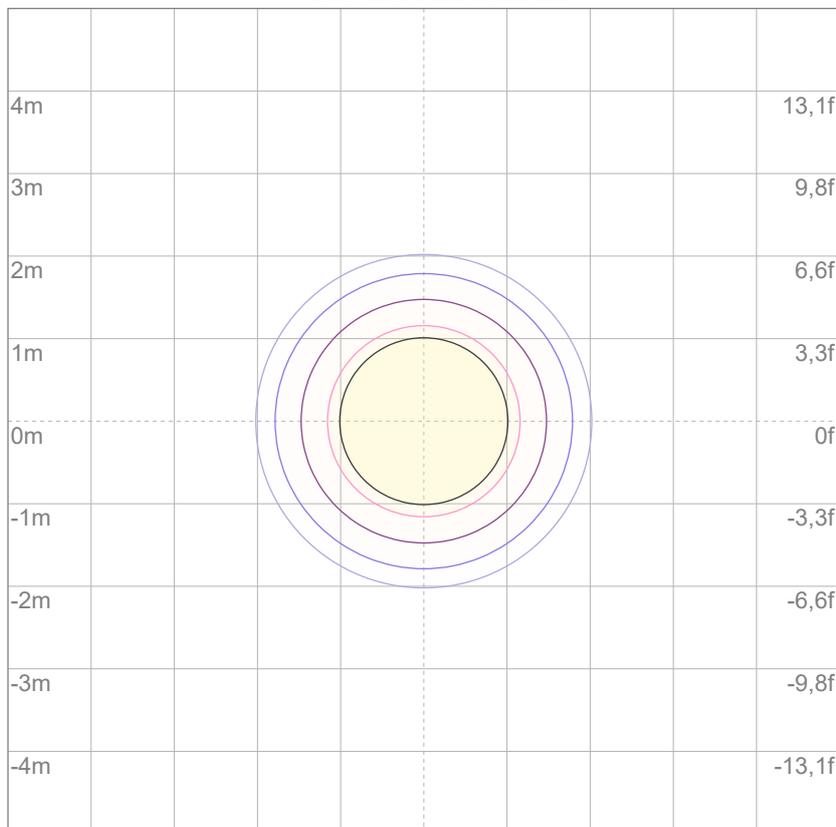
10%	1612 cd
20%	3225 cd
30%	4837 cd
40%	6449 cd
50%	8061 cd
60%	9674 cd
70%	11286 cd
80%	12898 cd

Conditions:

Number of c-planes: 2

Candela at center: 16123 cd

ISO LUX DIAGRAM



3%	4,84 lx
5%	8,06 lx
10%	16,1 lx
30%	48,4 lx
50%	80,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 161 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

2225 lm

Peak candela output:

3220 cd

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

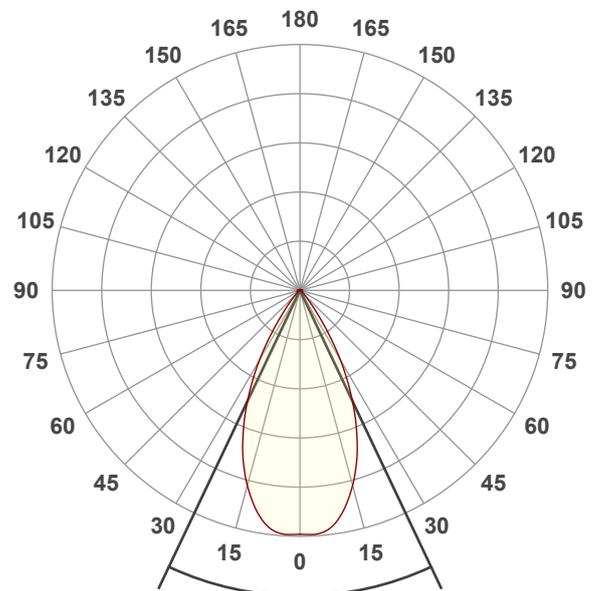
Lime

Operator:

Salvatore Giglio

Date and time:

22/01/2025 13:04:01

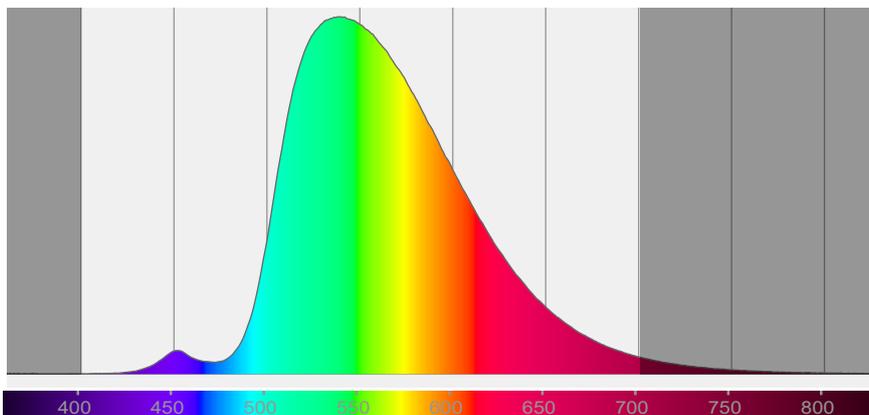


Beam angle 50%: 50,4°

Field angle 10%: 75,1°

Cut off angle 2.5%: 91,8°

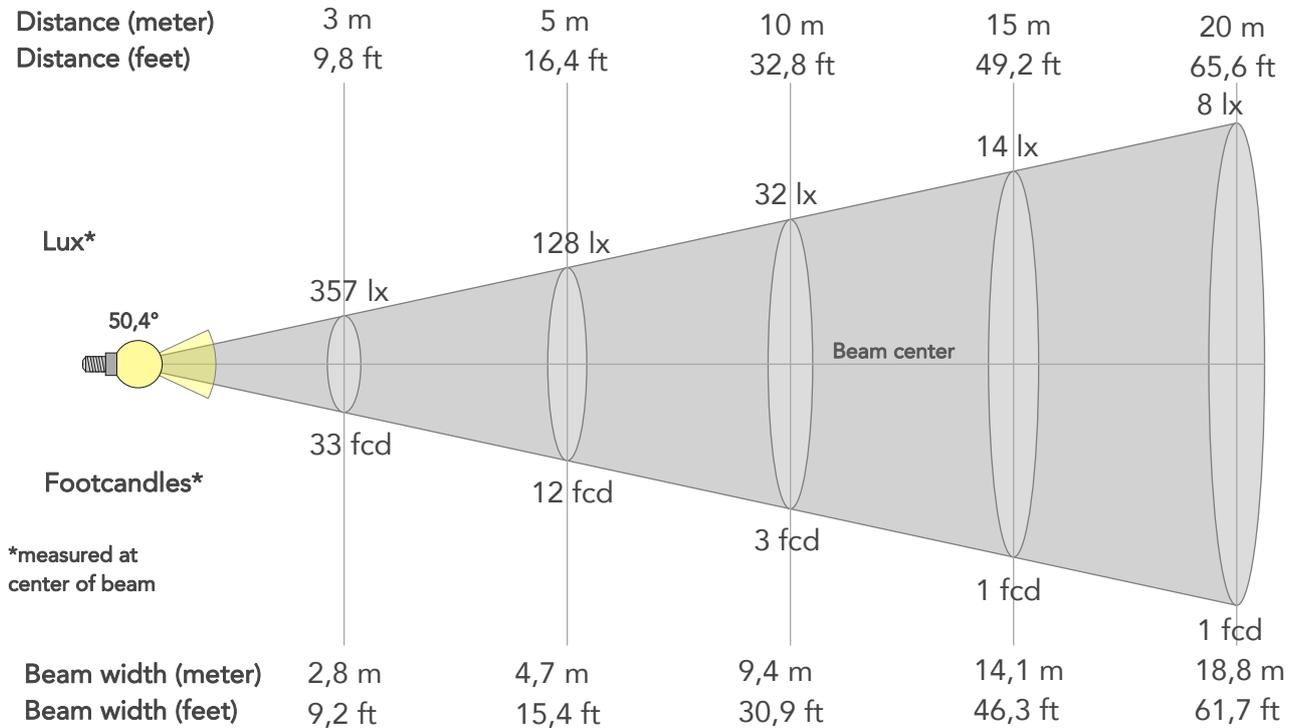
Spectra



BEAM DETAILS



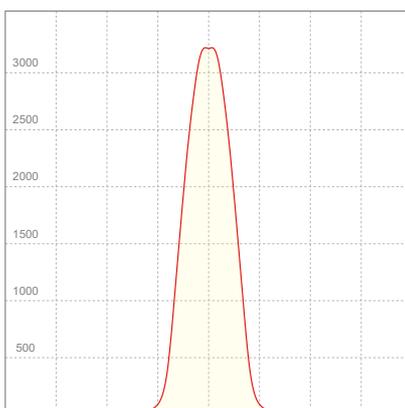
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
50,4°	75,1°	91,8°	99,5%	97,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3212lx	803lx	357lx	201lx	128lx	57lx	32lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	298fcd	75fcd	33fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,8m	4,7m	7,1m	9,4m	14,1m	18,8m	23,5m	28,2m	37,7m	47,1m
Beam wid.	3,1ft	6,2ft	9,2ft	12,3ft	15,4ft	23,2ft	30,9ft	46,3ft	61,7ft	77,2ft	92,6ft	123,5ft	154,4ft

LINEAR DISTRIBUTION DIAGRAM

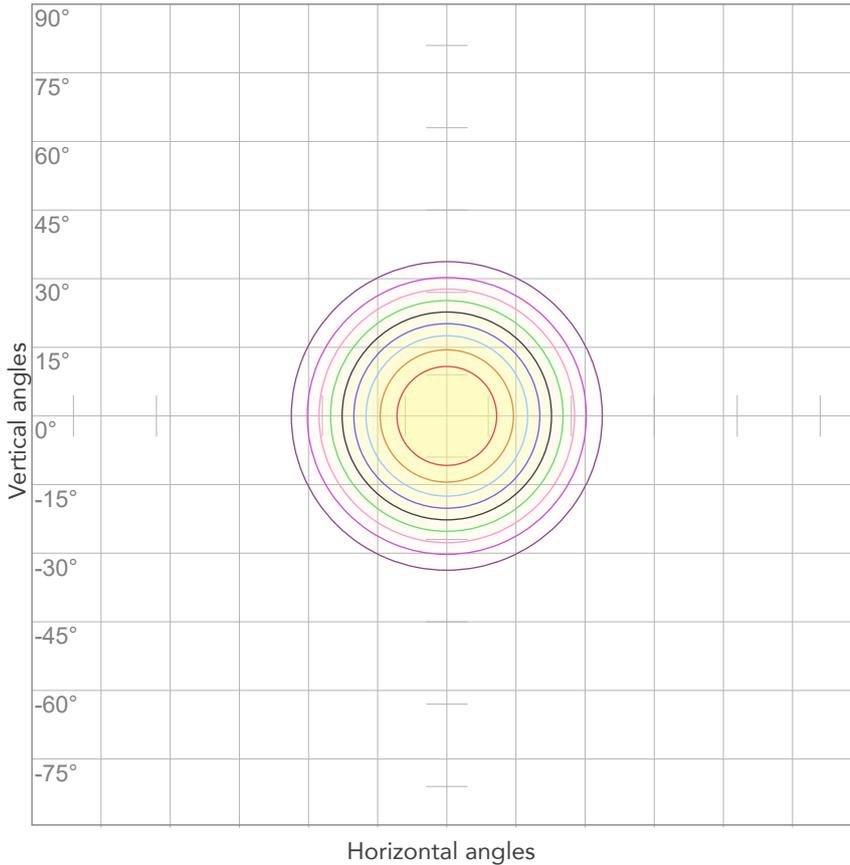


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,228A	43,5W	0,85	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



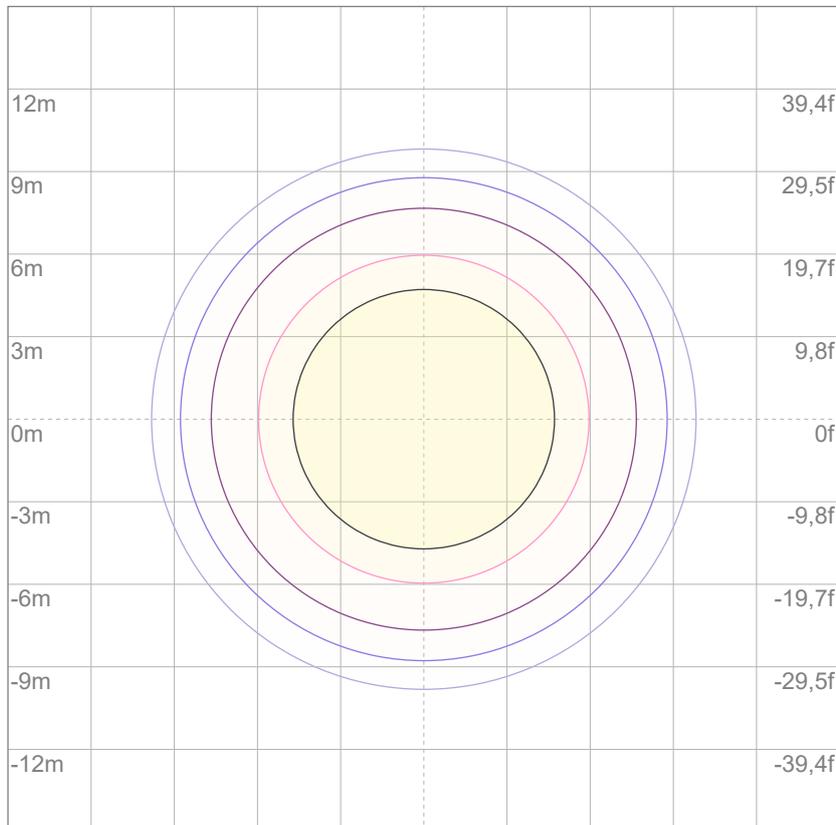
10%	321 cd
20%	642 cd
30%	963 cd
40%	1285 cd
50%	1606 cd
60%	1927 cd
70%	2248 cd
80%	2569 cd

Conditions:

Number of c-planes: 2

Candela at center: 3212 cd

ISO LUX DIAGRAM



3%	0,963 lx
5%	1,61 lx
10%	3,21 lx
30%	9,63 lx
50%	16,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 32,1 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

1494 lm

Peak candela output:

34794 cd

PRODUCT NAME:

ECLFRCTPXS

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

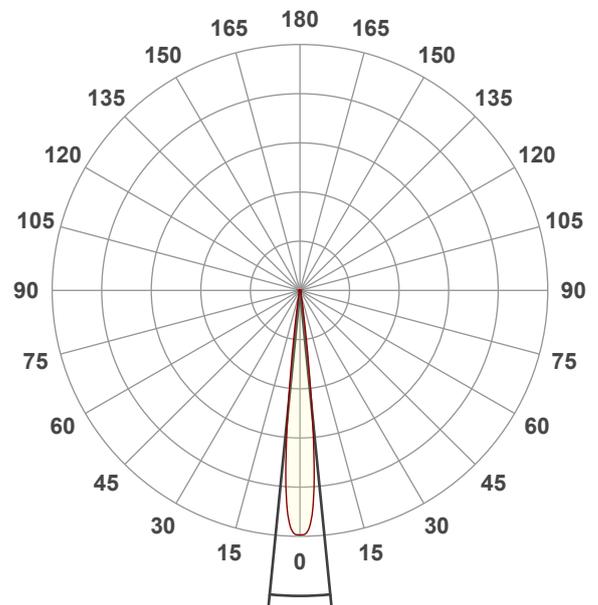
Lime

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:39:23

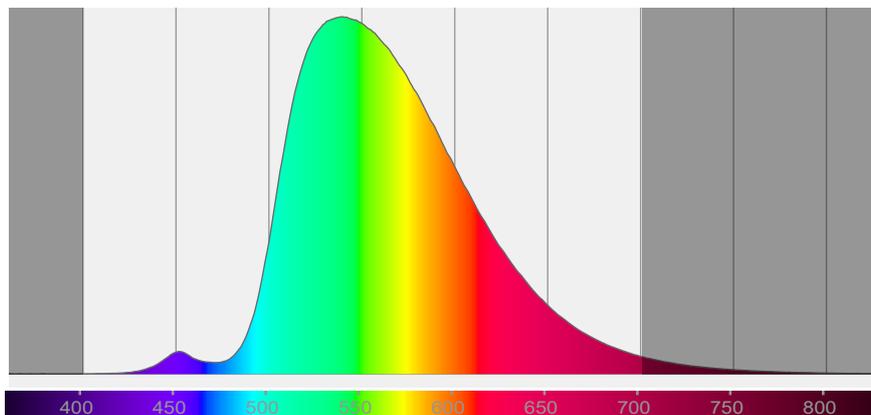


Beam angle 50%: 11,3°

Field angle 10%: 17,4°

Cut off angle 2.5%: 24,8°

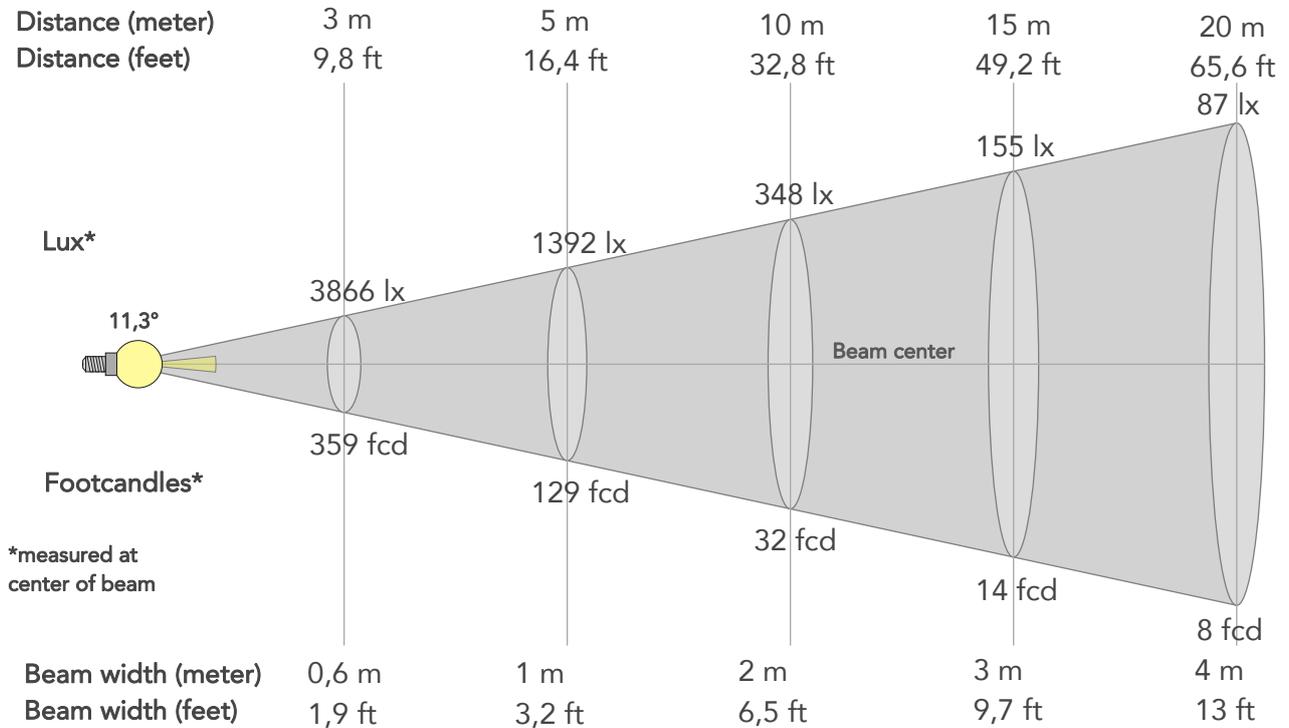
Spectra



BEAM DETAILS



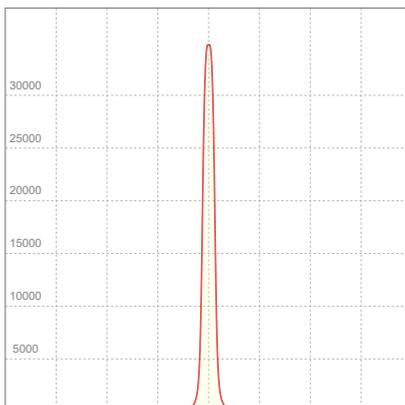
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,4°	24,8°	99,6%	98,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	34794lx	8699lx	3866lx	2175lx	1392lx	619lx	348lx	155lx	87lx	56lx	39lx	22lx	14lx
Footcand.	3232fcd	808fcd	359fcd	202fcd	129fcd	57fcd	32fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,5ft	26ft	32,5ft

LINEAR DISTRIBUTION DIAGRAM

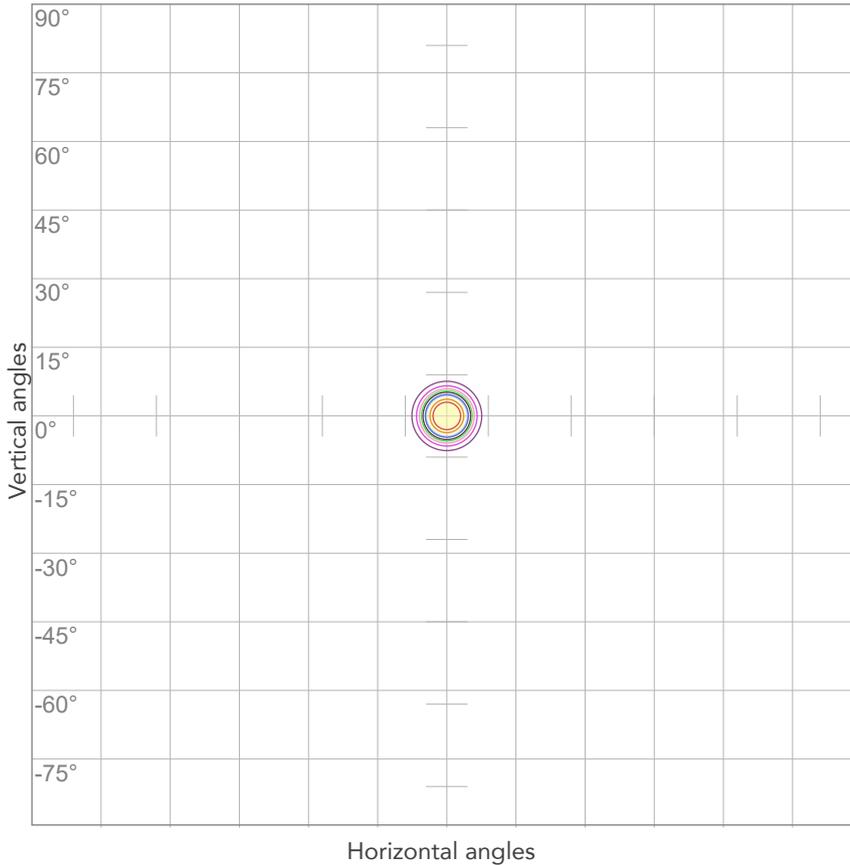


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,220A	43,5W	0,88	34lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



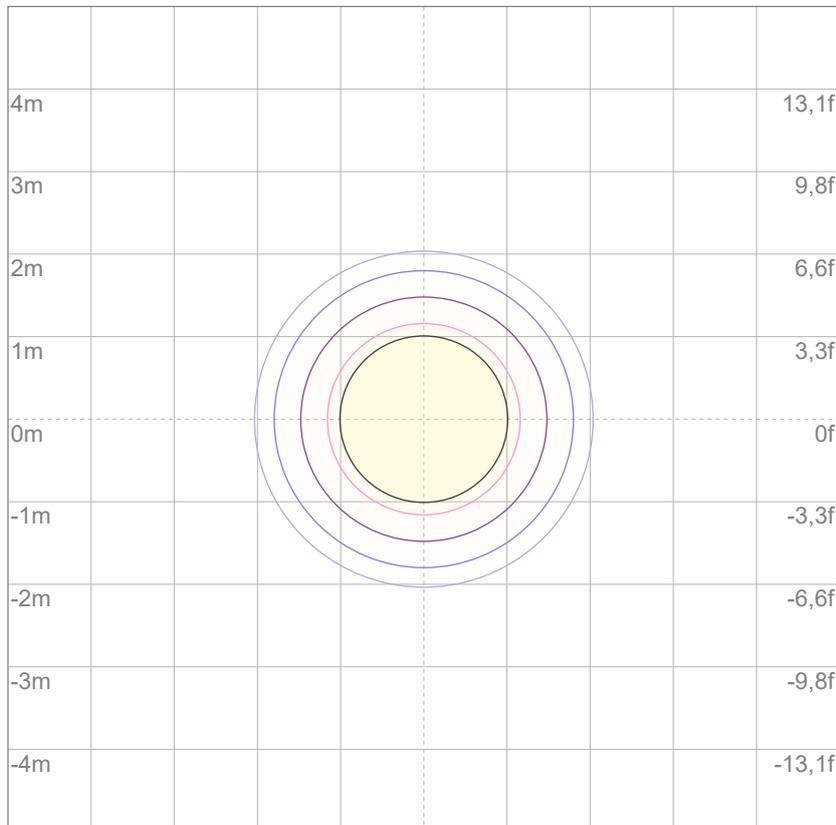
10%	3479 cd
20%	6959 cd
30%	10438 cd
40%	13918 cd
50%	17397 cd
60%	20877 cd
70%	24356 cd
80%	27835 cd

Conditions:

Number of c-planes: 2

Candela at center: 34794 cd

ISO LUX DIAGRAM



3%	10,4 lx
5%	17,4 lx
10%	34,8 lx
30%	104 lx
50%	174 lx

Conditions:

Number of c-planes: 2

Lux at center: 348 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

2669 lm

Peak candela output:

3964 cd

Light quality:

CRI: 98,0

Color temperature:

2792 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

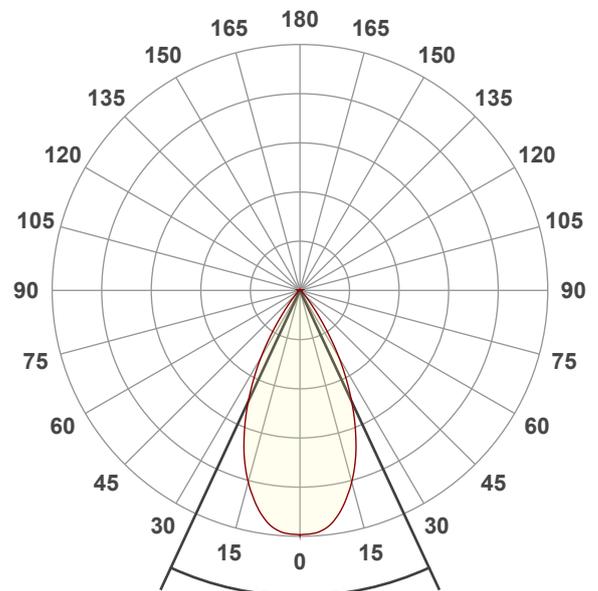
2800K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:45:45

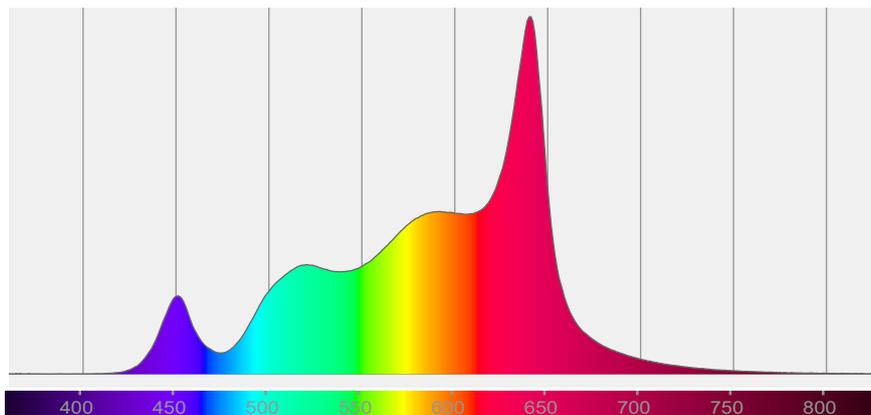


Beam angle 50%: 49,6°

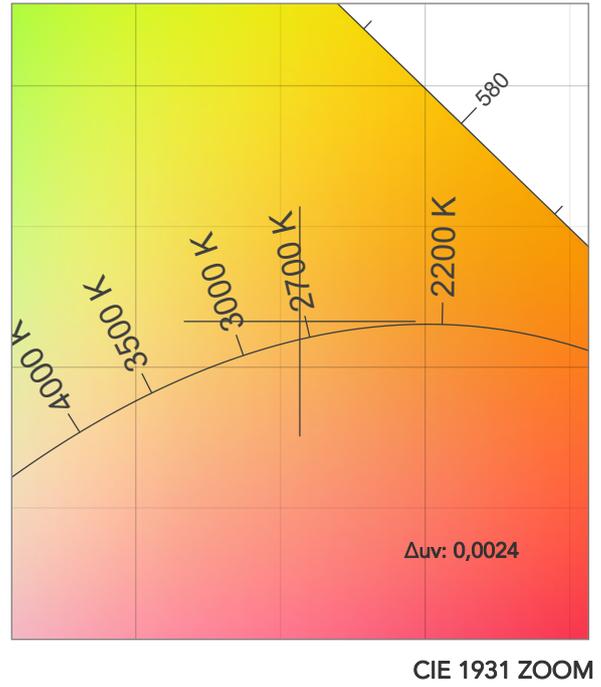
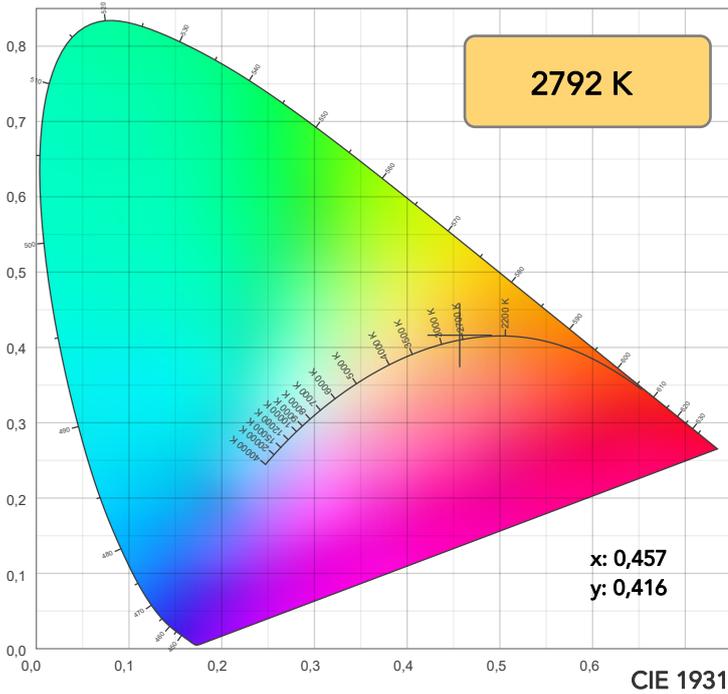
Field angle 10%: 74,6°

Cut off angle 2.5%: 91°

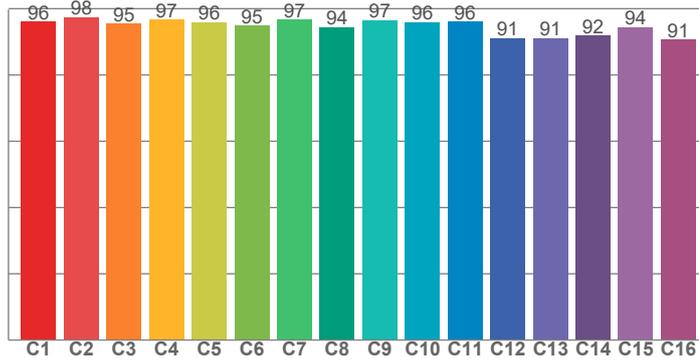
Spectra



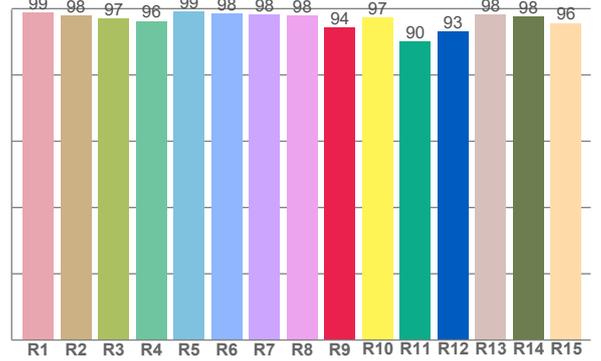
COLOR DETAILS



TM30: 95,1



CRI: 98,0 (R1-R8)



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

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

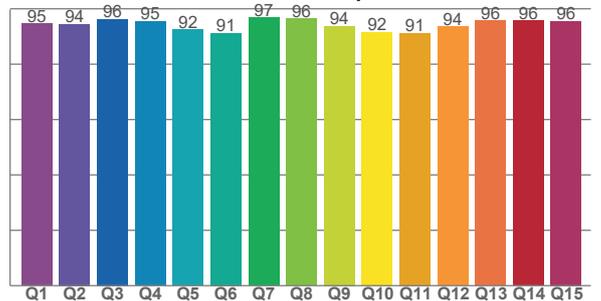
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 93,9



COLOR PARAMETERS

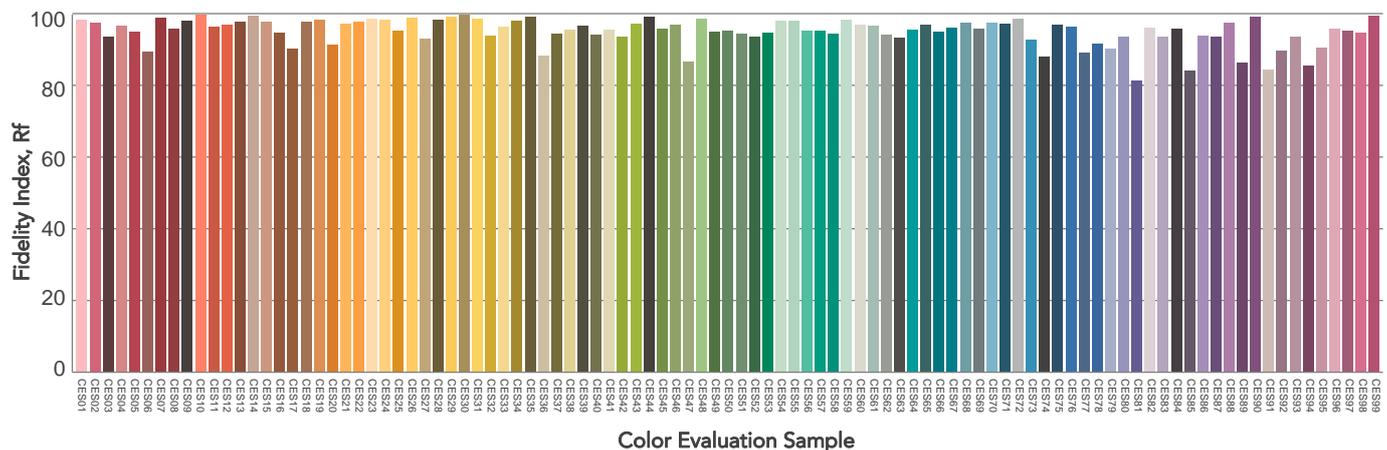
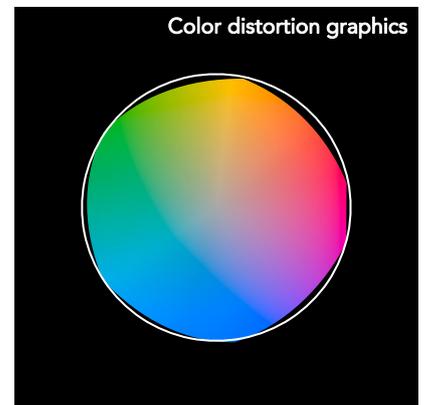
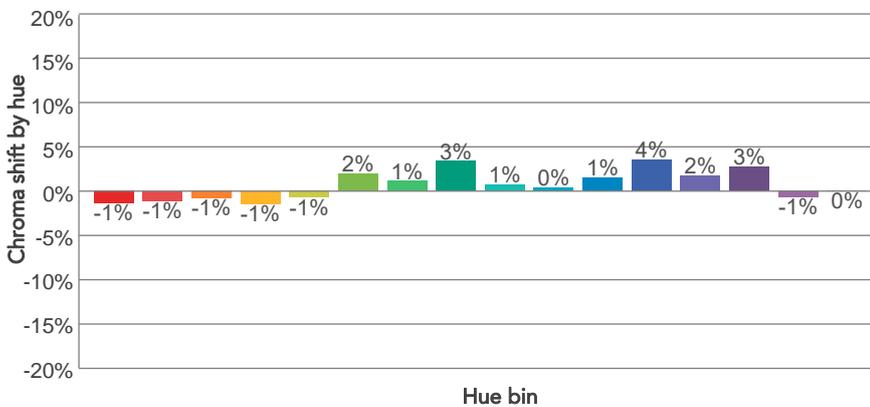
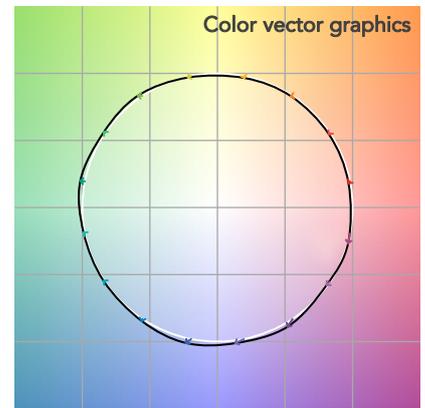
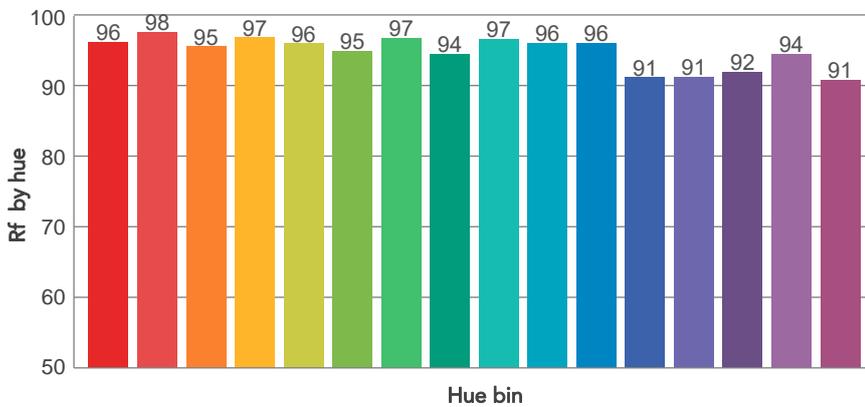
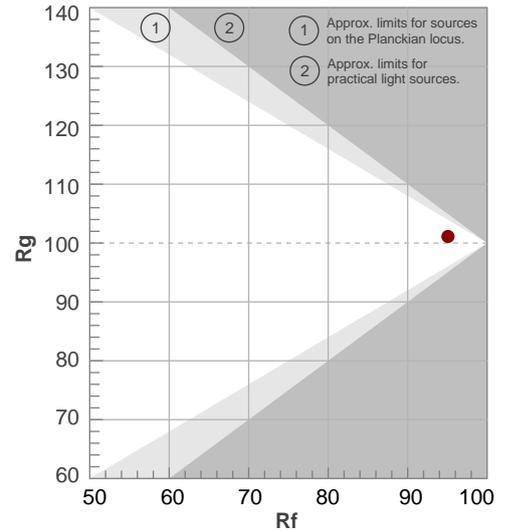
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2792 K	98,0	94,2	95,1	101,1	93,9	88	0,457	0,416	0,0024

TM30 DETAILS

Rf 95,1
Fidelity index Rf

Rg 101,1
Gammut index

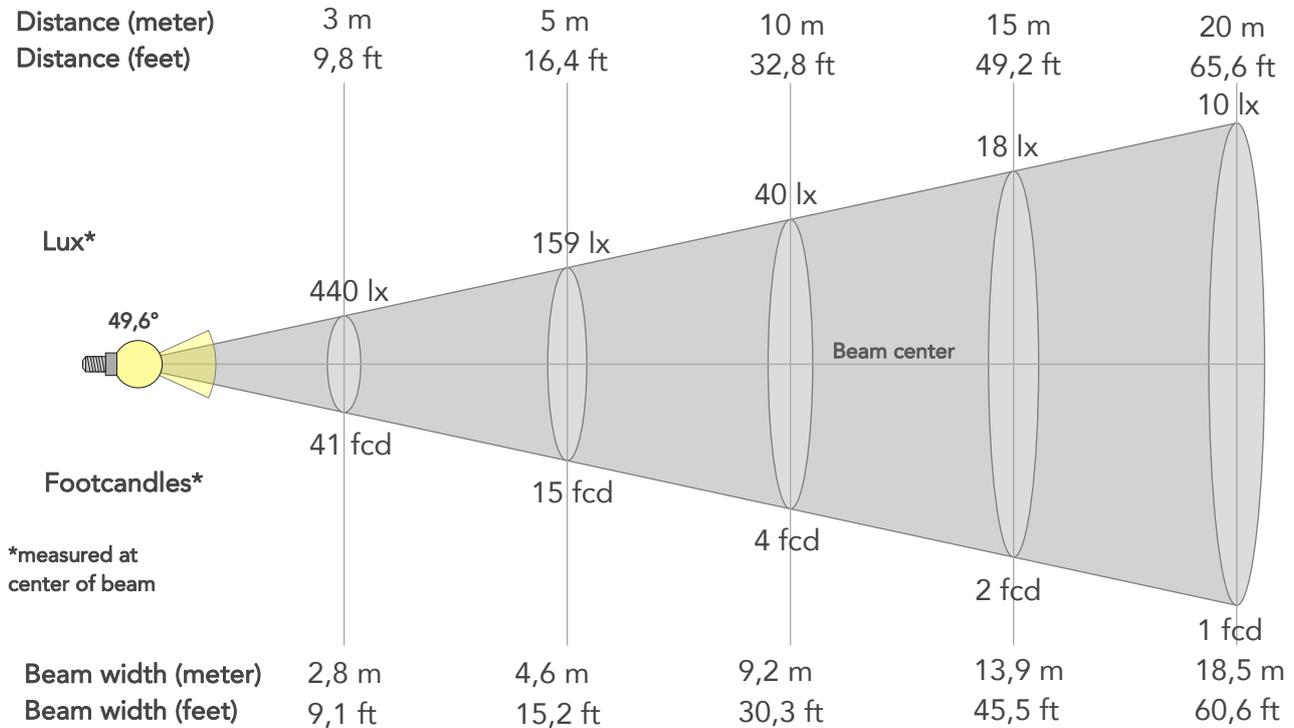
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	-1%
2	98	-1%	0%
3	95	-1%	1%
4	97	-1%	-1%
5	96	-1%	3%
6	95	2%	3%
7	97	1%	0%
8	94	3%	0%
9	97	1%	-1%
10	96	0%	-1%
11	96	1%	0%
12	91	4%	-3%
13	91	2%	-7%
14	92	3%	-6%
15	94	-1%	-3%
16	91	0%	-7%



BEAM DETAILS



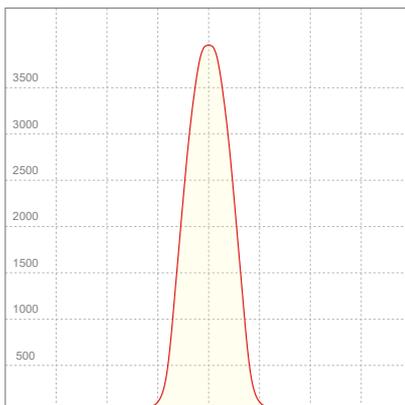
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,6°	74,6°	91°	99,6%	97,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	3964lx	991lx	440lx	248lx	159lx	70lx	40lx	18lx	10lx	6lx	4lx	2lx	2lx
Footcand.	368fcd	92fcd	41fcd	23fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,8m	3,7m	4,6m	6,9m	9,2m	13,9m	18,5m	23,1m	27,7m	37m	46,2m
Beam wid.	3ft	6,1ft	9,1ft	12,1ft	15,2ft	22,7ft	30,3ft	45,5ft	60,6ft	75,8ft	90,9ft	121,2ft	151,5ft

LINEAR DISTRIBUTION DIAGRAM

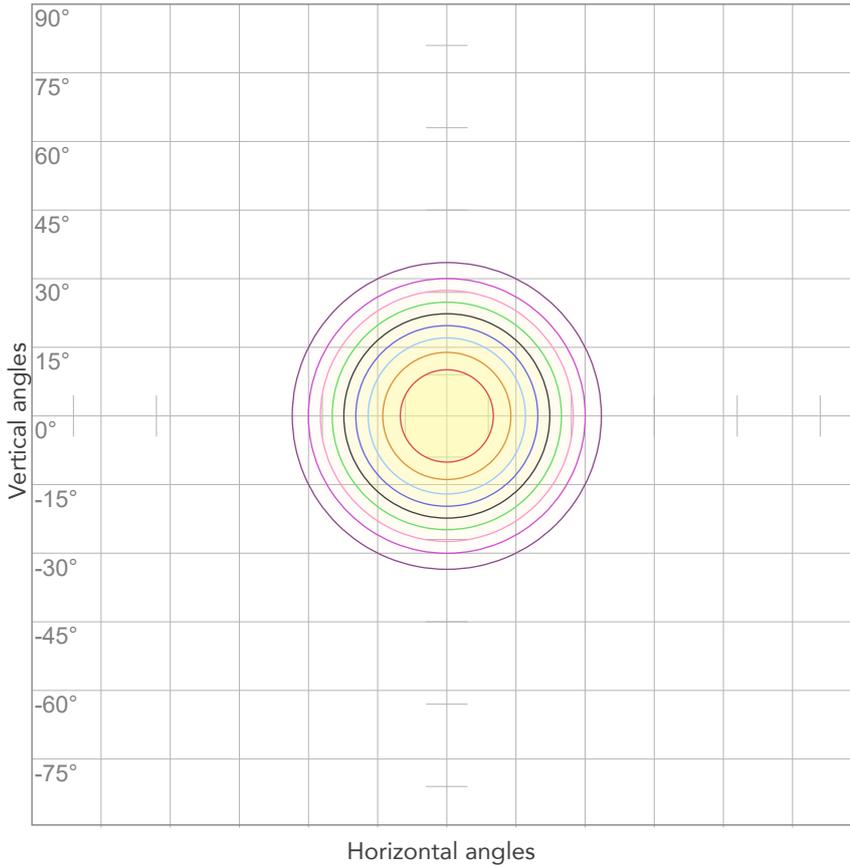


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,435A	95,2W	0,98	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



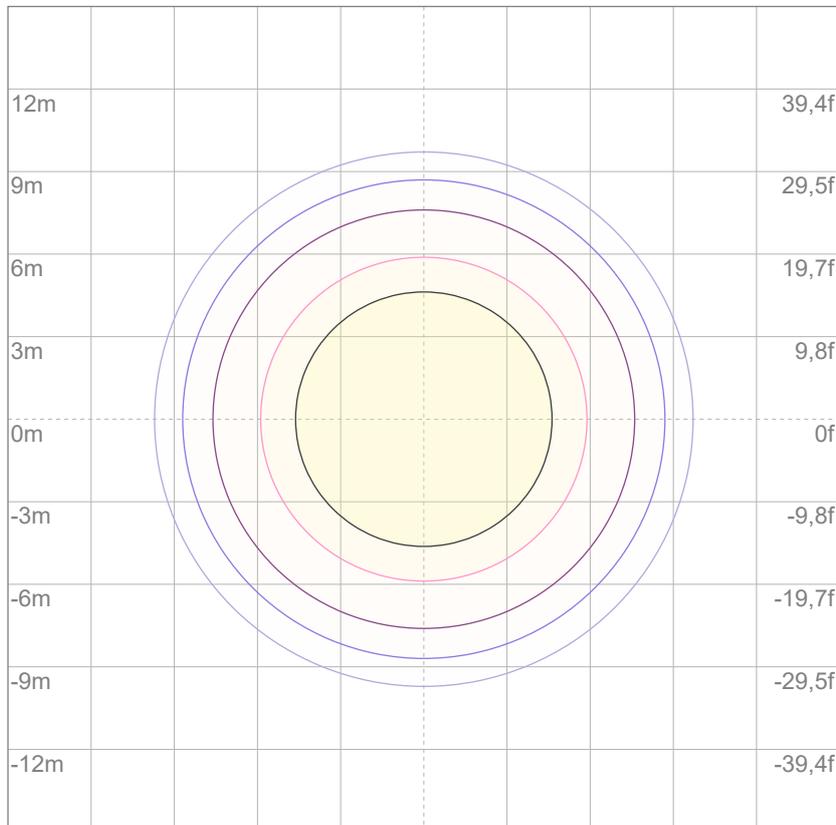
10%	396 cd
20%	793 cd
30%	1189 cd
40%	1586 cd
50%	1982 cd
60%	2379 cd
70%	2775 cd
80%	3172 cd

Conditions:

Number of c-planes: 2

Candela at center: 3964 cd

ISO LUX DIAGRAM



3%	1,19 lx
5%	1,98 lx
10%	3,96 lx
30%	11,9 lx
50%	19,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 39,6 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

1794 lm

Peak candela output:

42833 cd

Light quality:

CRI: 98,0

Color temperature:

2723 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

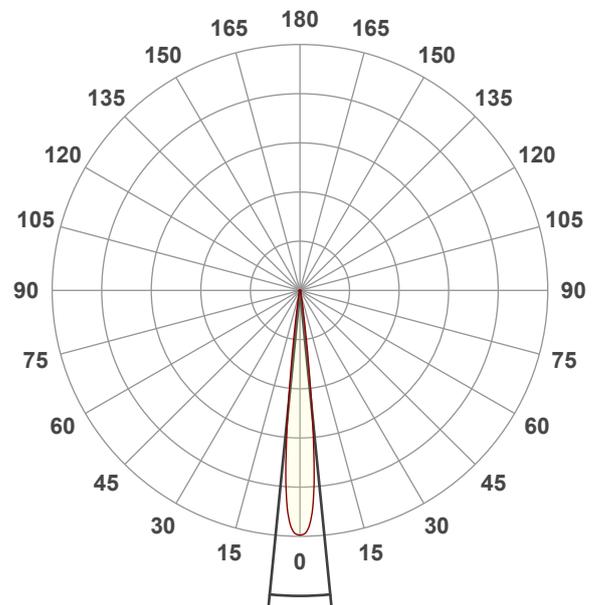
2800K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:44:06

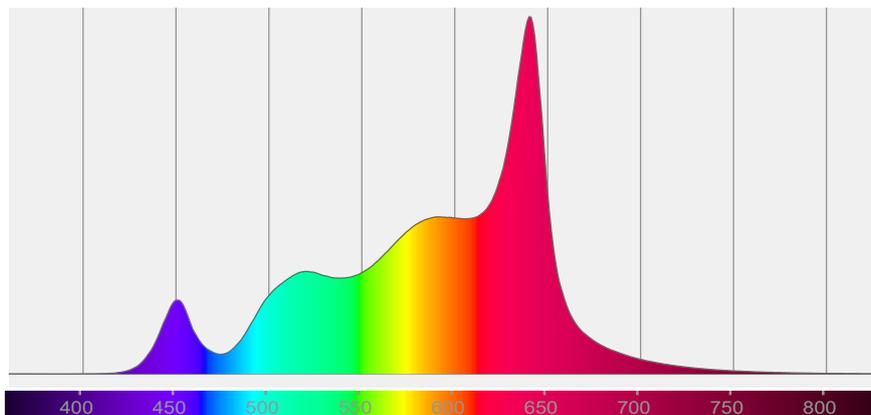


Beam angle 50%: 11,3°

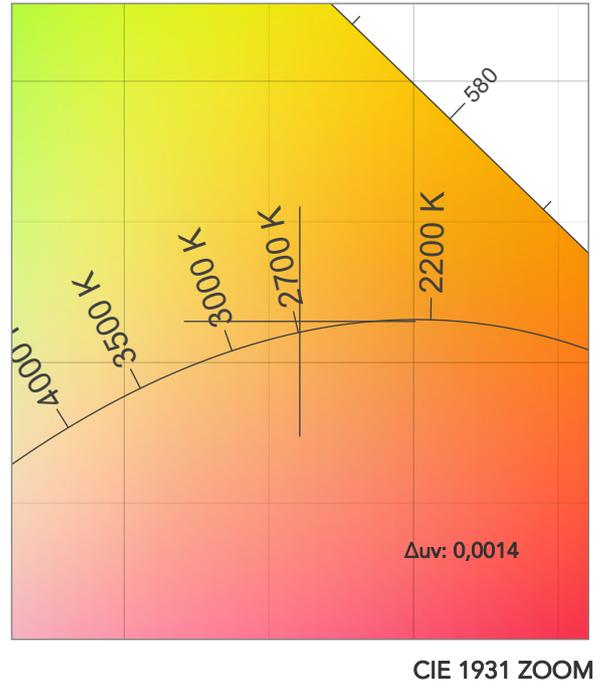
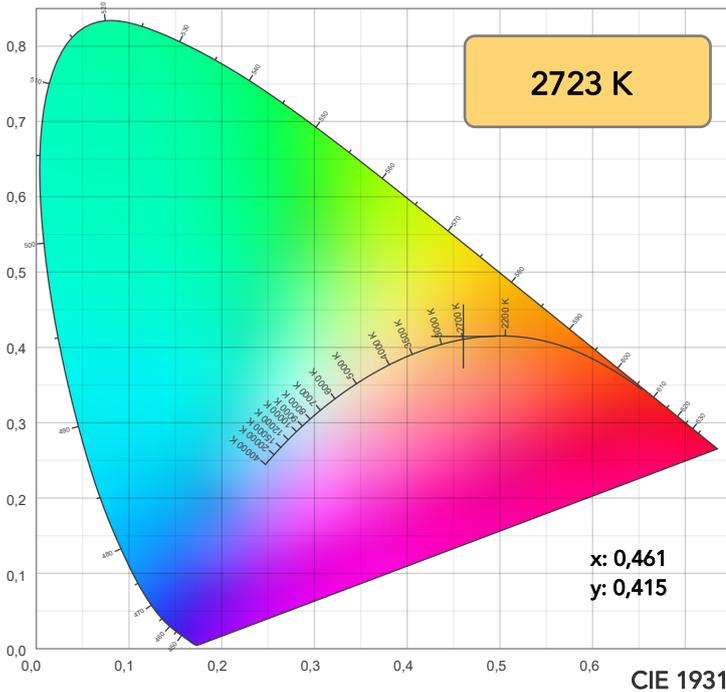
Field angle 10%: 17,3°

Cut off angle 2.5%: 24,6°

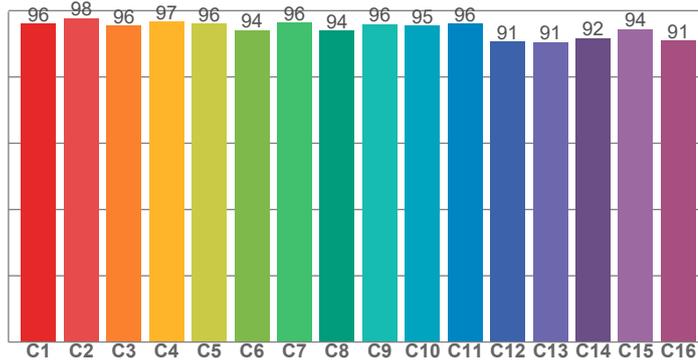
Spectra



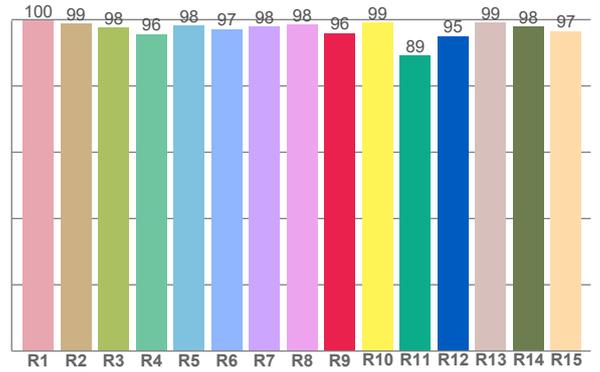
COLOR DETAILS



TM30: 94,9



CRI: 98,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,6	98,8	97,7	95,7	98,3	97,2	98,0	98,4	96,0	99,1	89,2	95,1	99,1	97,9	96,6

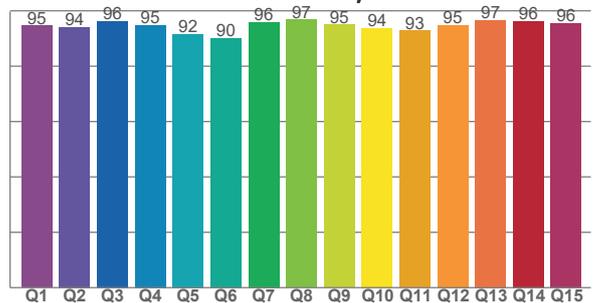
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	94,1	96,3	94,8	91,7	90,2	95,9	96,8	95,0	93,7	92,8	94,8	96,6	96,3	95,6

CQS: 94,1



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2723 K	98,0	96,0	94,9	101,7	94,1	87	0,461	0,415	0,0014

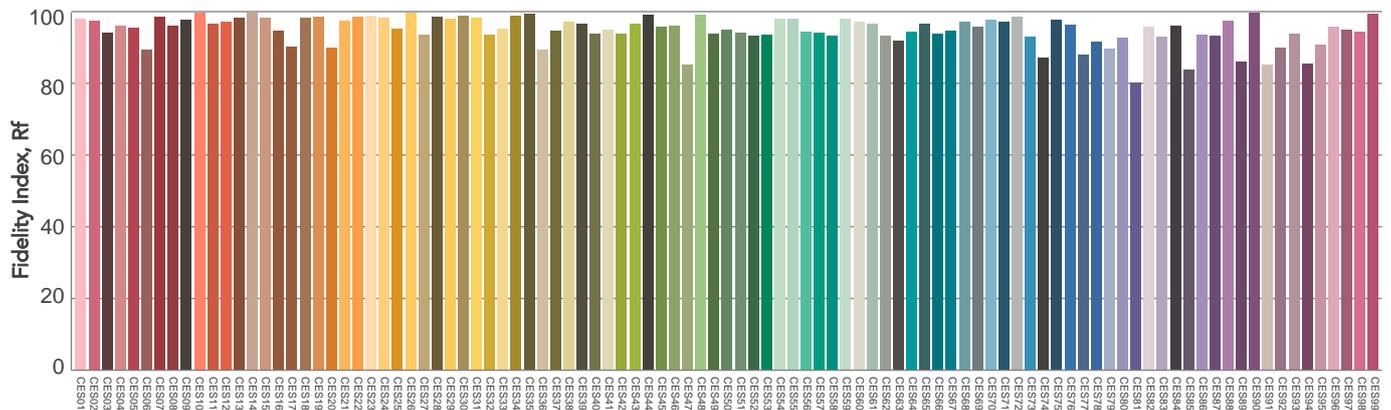
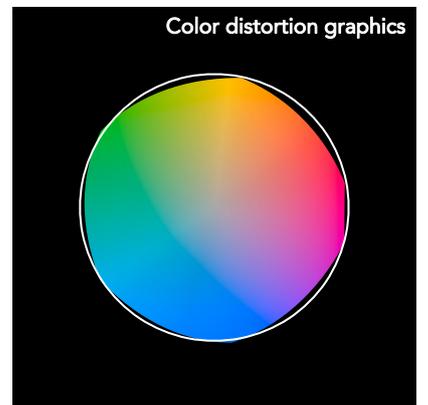
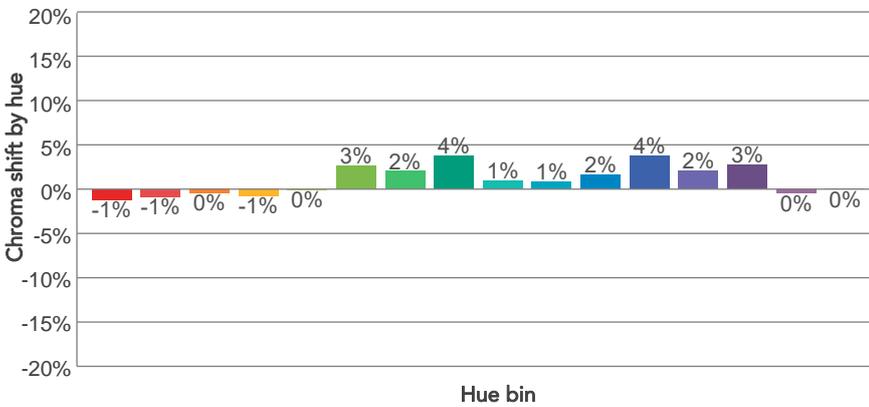
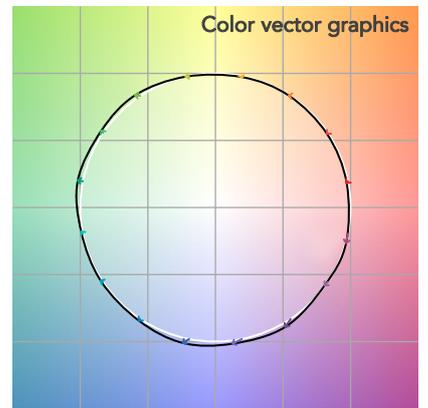
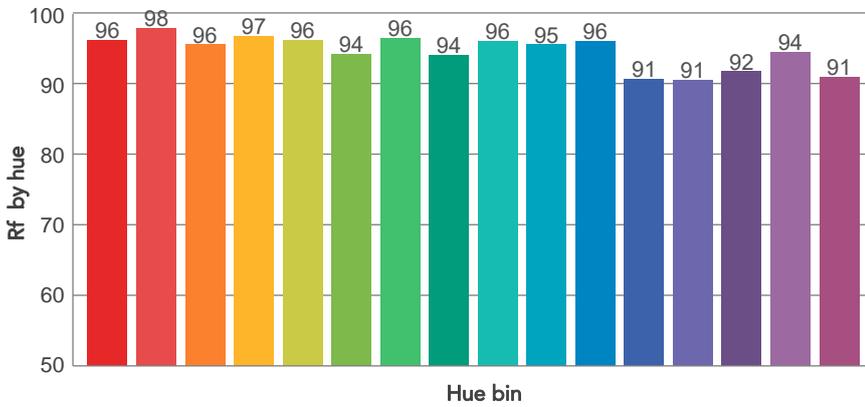
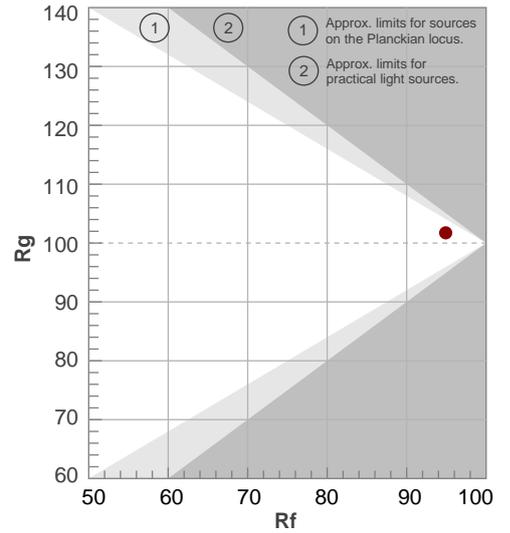
TM30 DETAILS



Rf 94,9
Fidelity index Rf

Rg 101,7
Gammut index

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

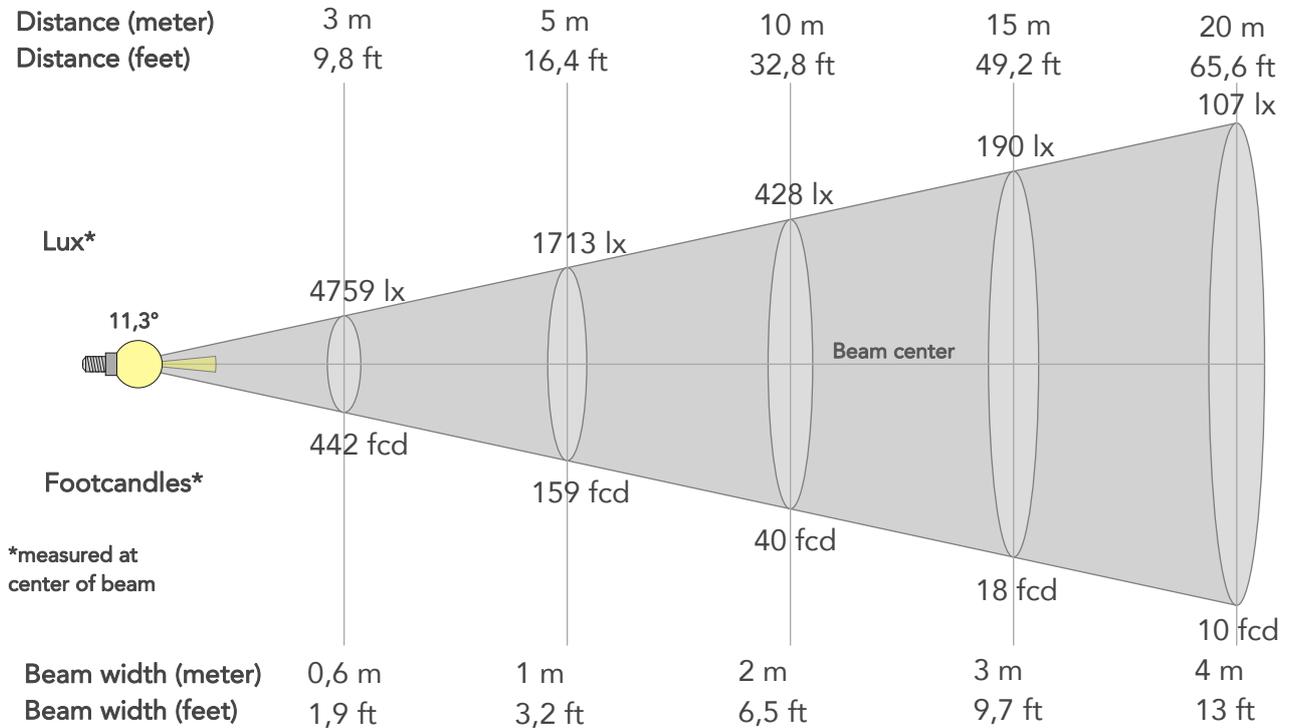


Color Evaluation Sample

BEAM DETAILS



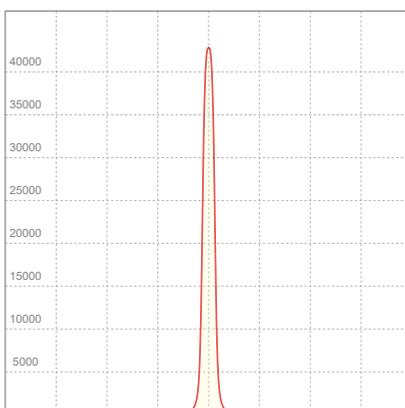
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,3°	24,6°	99,9%	99,5%



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	42833lx	10708lx	4759lx	2677lx	1713lx	761lx	428lx	190lx	107lx	69lx	48lx	27lx	17lx
Footcand.	3979fcd	995fcd	442fcd	249fcd	159fcd	71fcd	40fcd	18fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,5ft	25,9ft	32,4ft

LINEAR DISTRIBUTION DIAGRAM

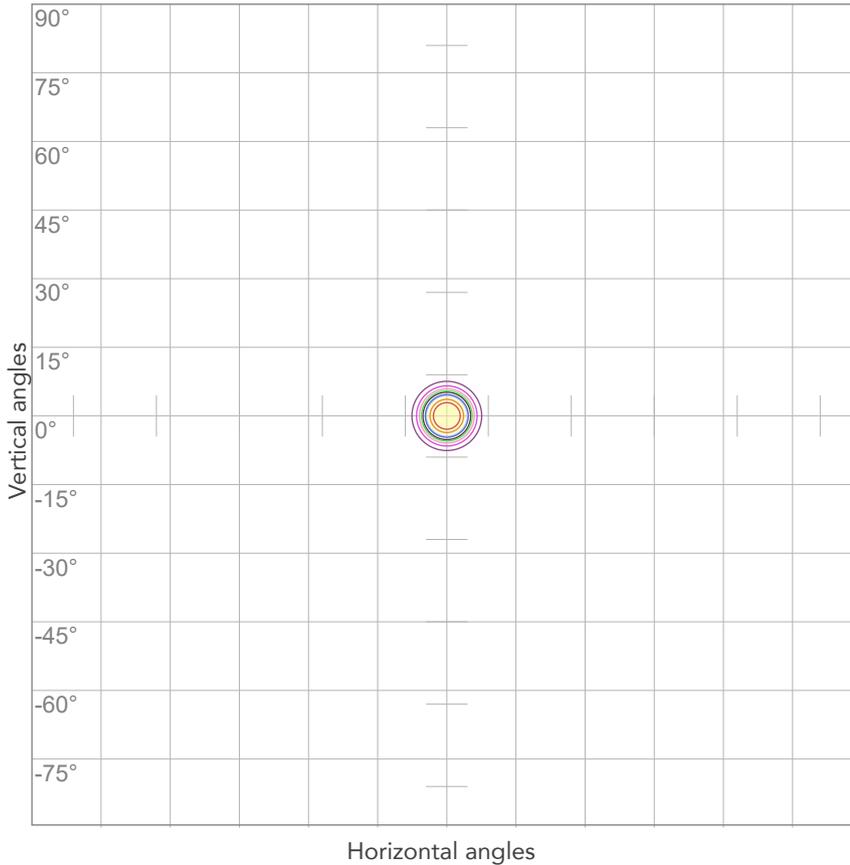


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,436A	95,5W	0,98	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



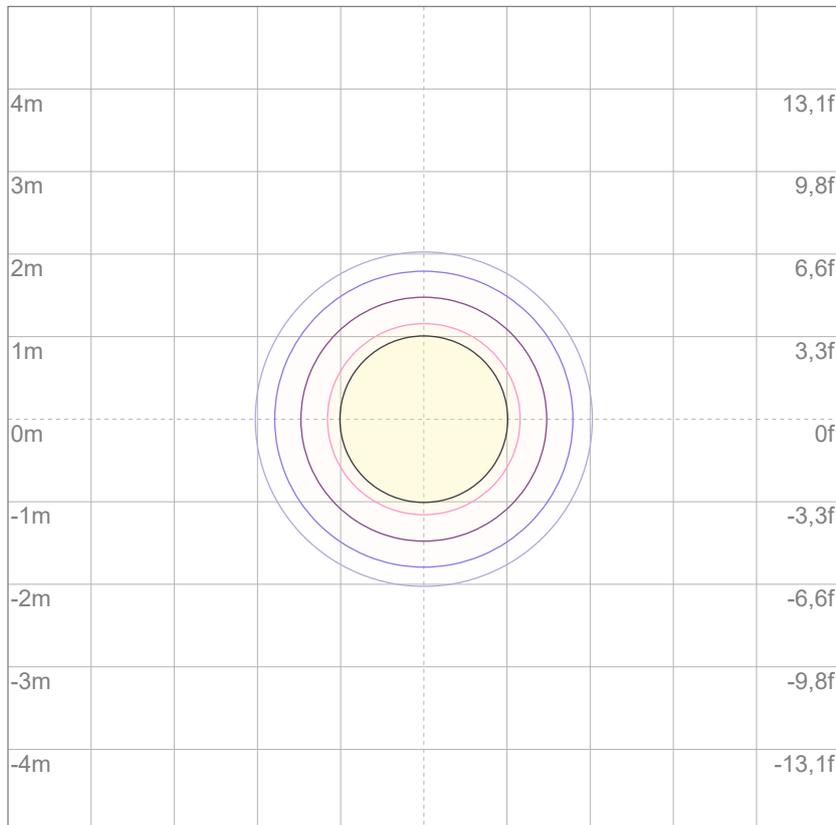
10%	4283 cd
20%	8567 cd
30%	12850 cd
40%	17133 cd
50%	21416 cd
60%	25700 cd
70%	29983 cd
80%	34266 cd

Conditions:

Number of c-planes: 2

Candela at center: 42833 cd

ISO LUX DIAGRAM



3%	12,8 lx
5%	21,4 lx
10%	42,8 lx
30%	128 lx
50%	214 lx

Conditions:

Number of c-planes: 2

Lux at center: 428 lx

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



Total lumen output:

2872 lm

Peak candela output:

4262 cd

Light quality:

CRI: 97,7

Color temperature:

3113 K

PRODUCT NAME:

ECLFRCTPXS

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

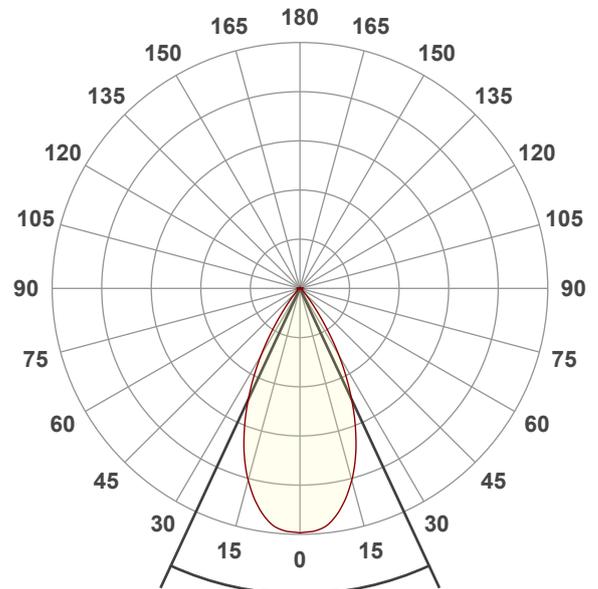
3200K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:04:12

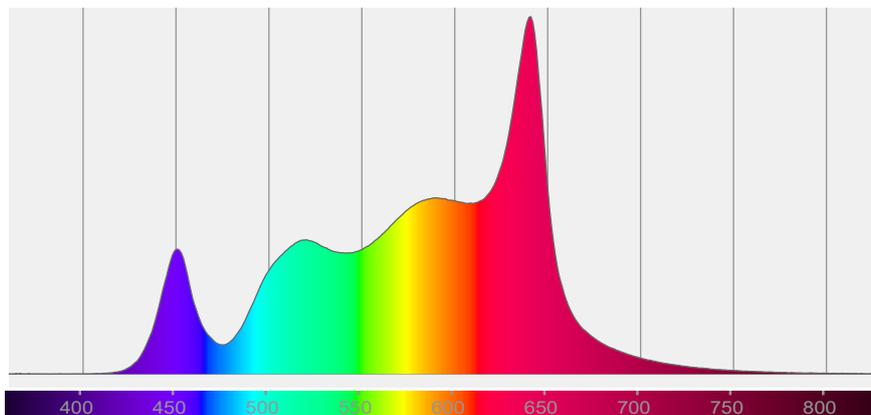


Beam angle 50%: 49,6°

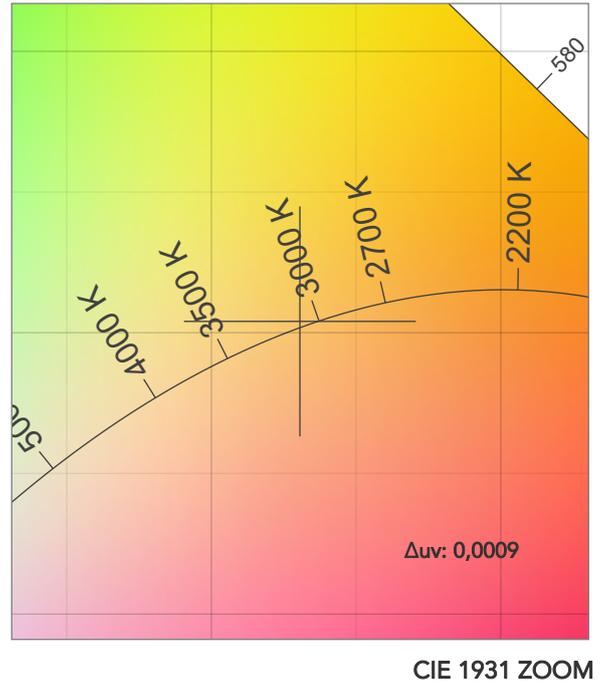
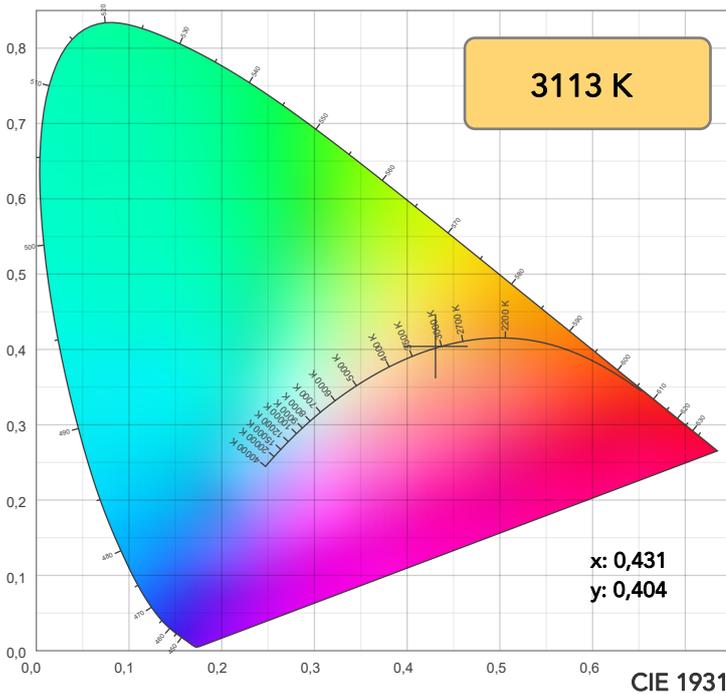
Field angle 10%: 74,6°

Cut off angle 2.5%: 91,2°

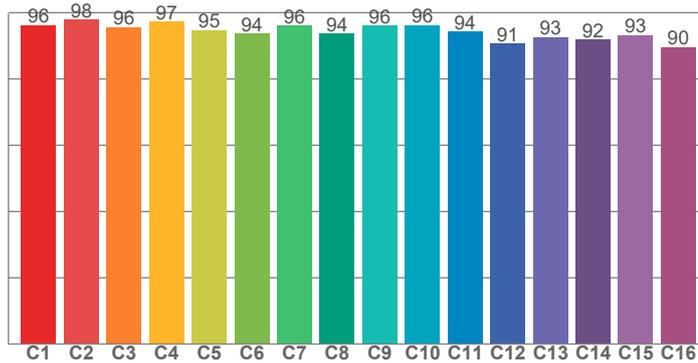
Spectra



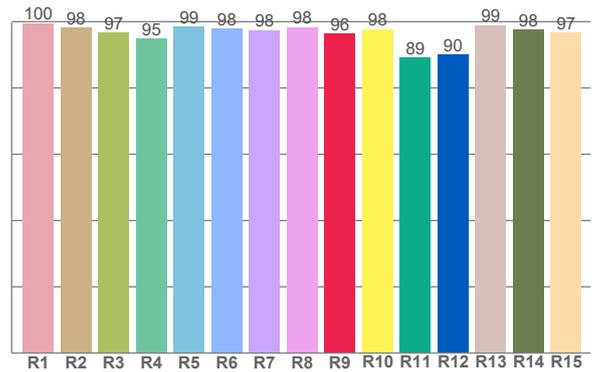
COLOR DETAILS



TM30: 94,8



CRI: 97,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,6	98,2	96,9	94,9	98,6	97,9	97,5	98,4	96,5	97,8	89,1	90,2	99,0	97,6	96,9

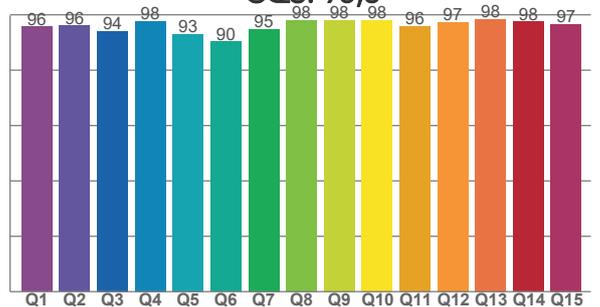
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	97,8	95,6	97,3	94,8	93,7	96,0	93,8	96,1	96,2	94,3	90,7	92,6	91,9	93,3	89,6

CQS Q values

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

CQS: 95,3



COLOR PARAMETERS

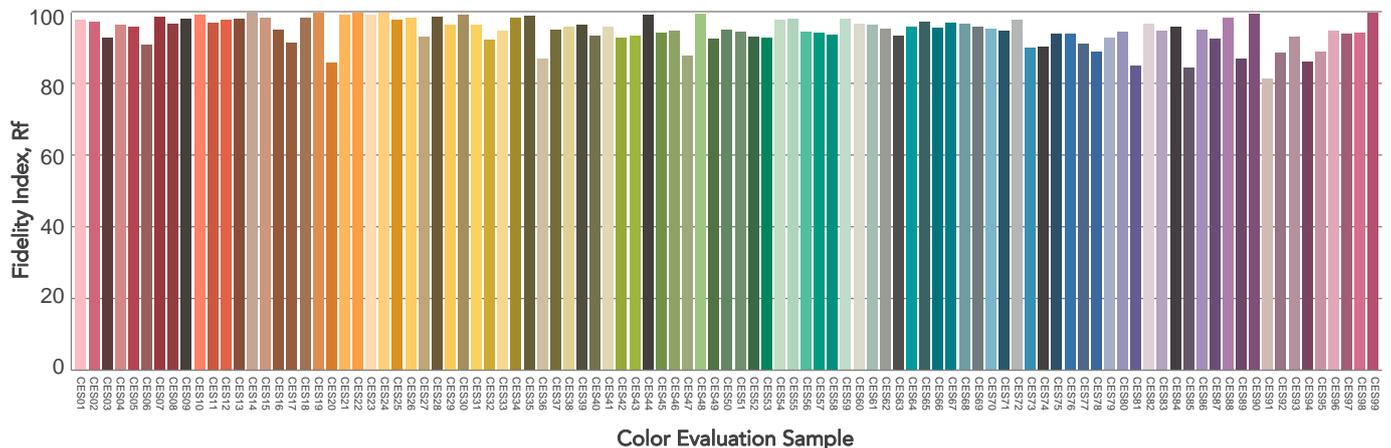
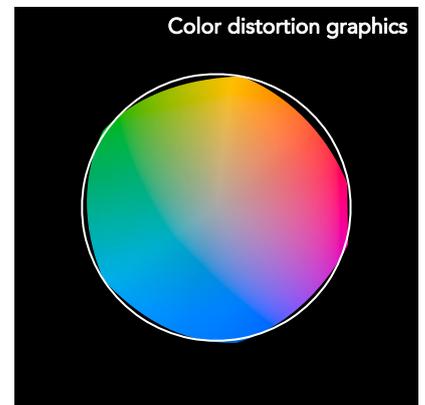
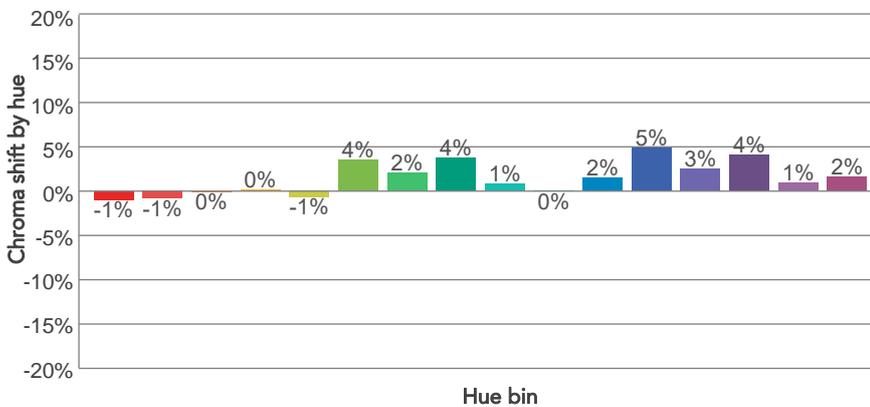
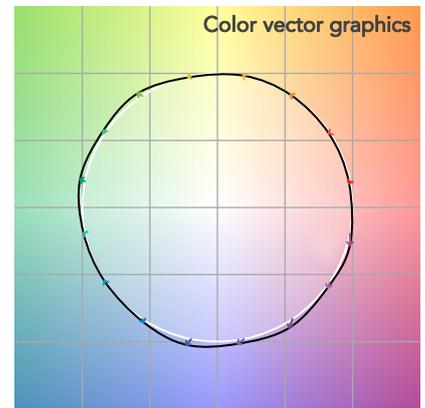
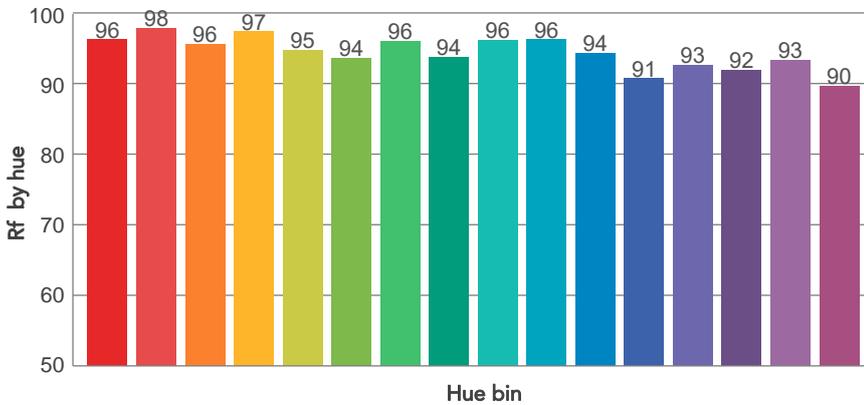
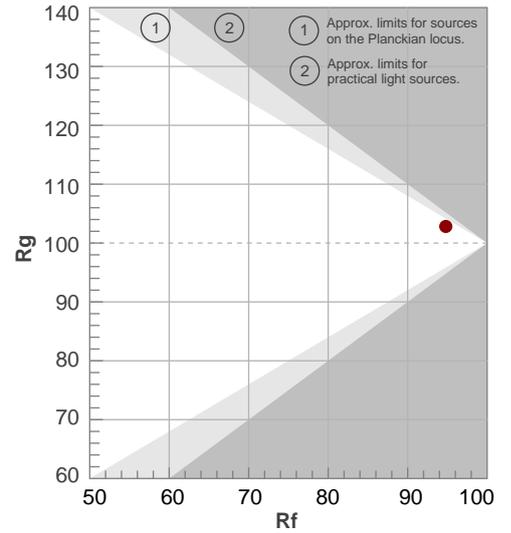
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3113 K	97,7	96,5	94,8	102,8	95,3	89	0,431	0,404	0,0009

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 102,8
Gammut index

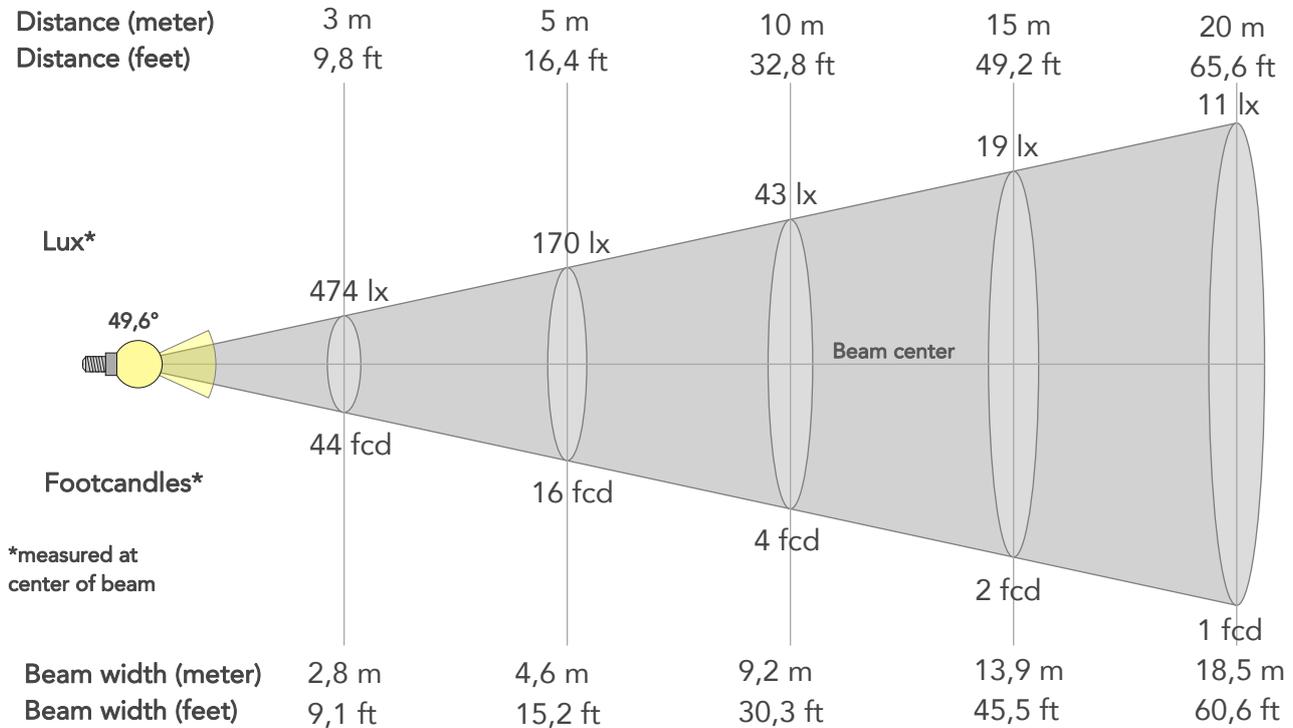
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	-1%
2	98	-1%	0%
3	96	0%	2%
4	97	0%	0%
5	95	-1%	2%
6	94	4%	2%
7	96	2%	-1%
8	94	4%	-1%
9	96	1%	-1%
10	96	0%	-1%
11	94	2%	2%
12	91	5%	-2%
13	93	3%	-5%
14	92	4%	-5%
15	93	1%	-4%
16	90	2%	-8%



BEAM DETAILS



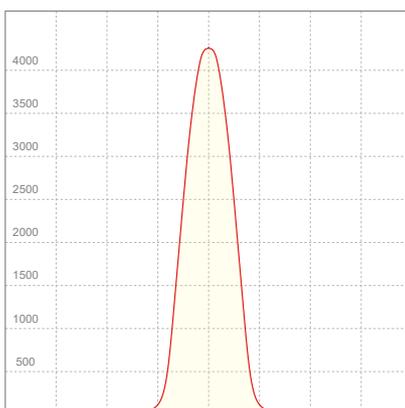
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,6°	74,6°	91,2°	99,6%	97,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4262lx	1065lx	474lx	266lx	170lx	76lx	43lx	19lx	11lx	7lx	5lx	3lx	2lx
Footcand.	396fcd	99fcd	44fcd	25fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,8m	2,8m	3,7m	4,6m	6,9m	9,2m	13,9m	18,5m	23,1m	27,7m	37m	46,2m
Beam wid.	3ft	6,1ft	9,1ft	12,1ft	15,2ft	22,7ft	30,3ft	45,5ft	60,6ft	75,8ft	90,9ft	121,2ft	151,5ft

LINEAR DISTRIBUTION DIAGRAM

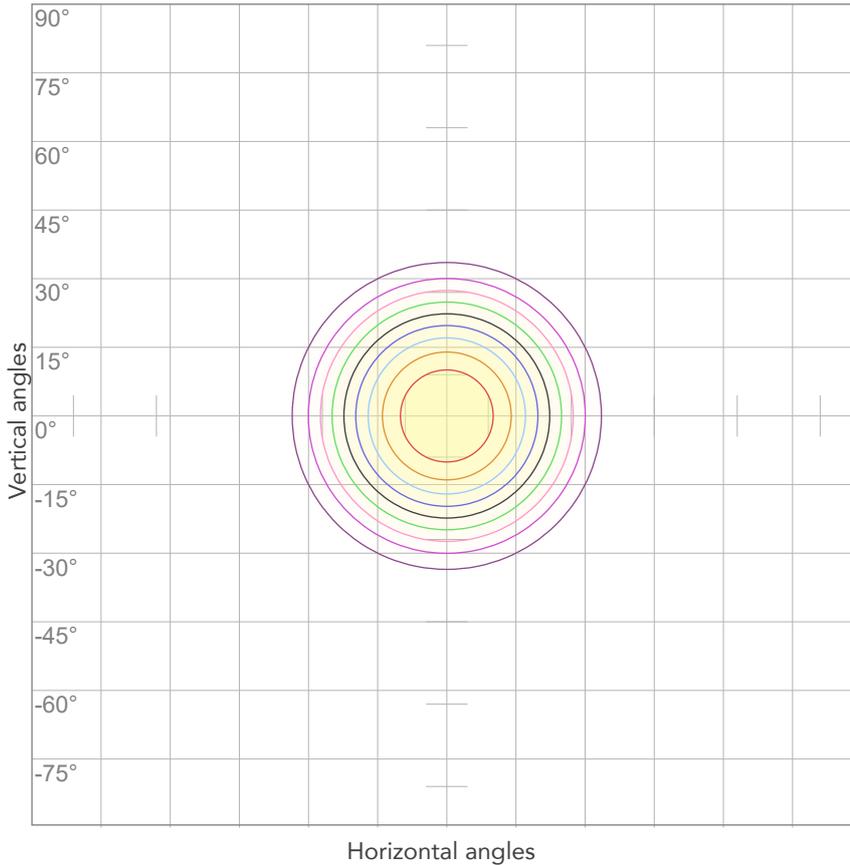


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,459A	100,8W	0,98	28lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



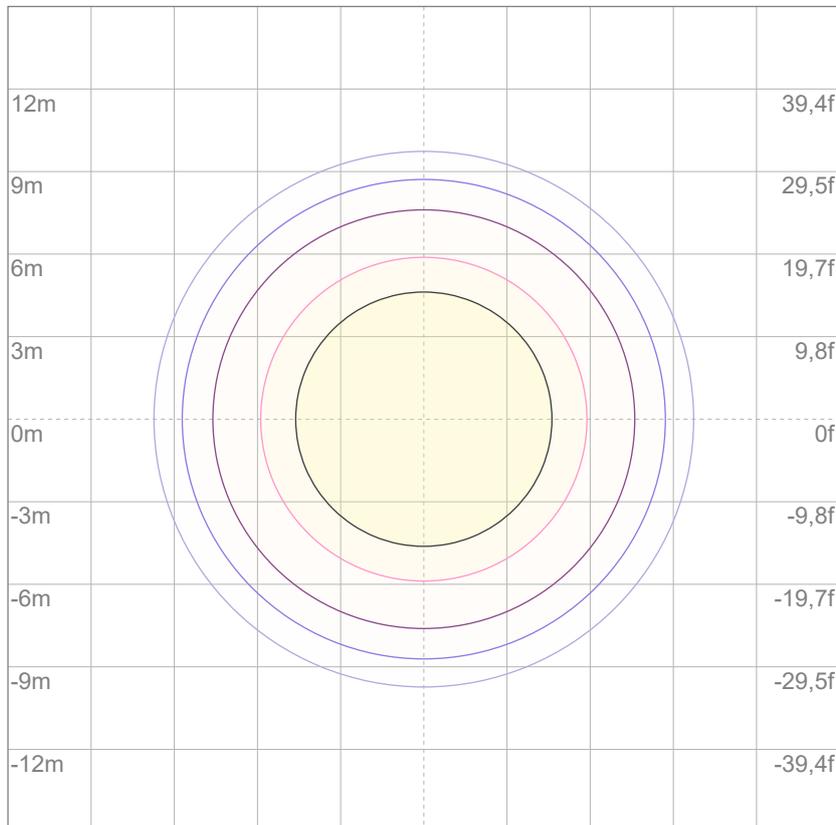
10%	426 cd
20%	852 cd
30%	1279 cd
40%	1705 cd
50%	2131 cd
60%	2557 cd
70%	2983 cd
80%	3409 cd

Conditions:

Number of c-planes: 2

Candela at center: 4262 cd

ISO LUX DIAGRAM



3%	1,28 lx
5%	2,13 lx
10%	4,26 lx
30%	12,8 lx
50%	21,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 42,6 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

1932 lm

Peak candela output:

46533 cd

Light quality:

CRI: 97,4

Color temperature:

3007 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

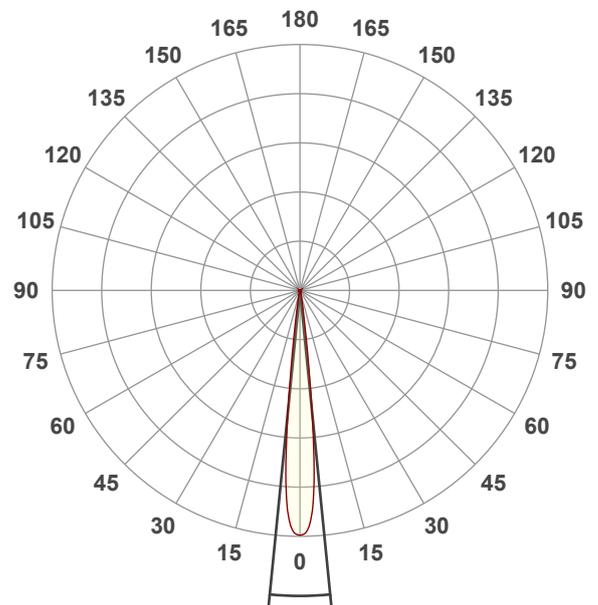
3200K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:02:01

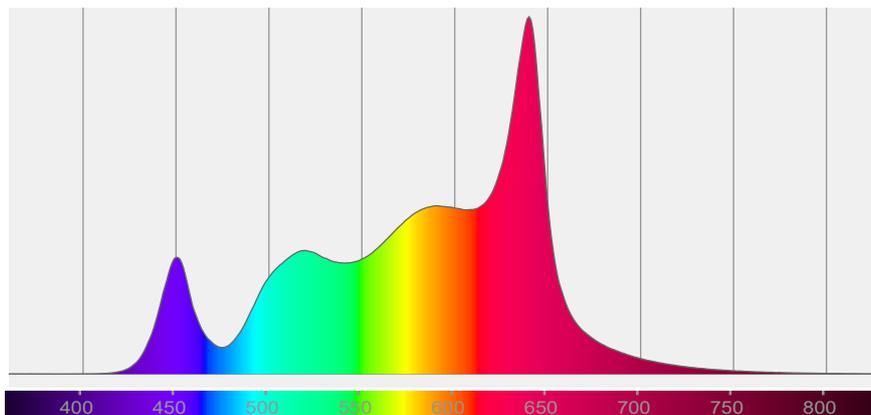


Beam angle 50%: 11,3°

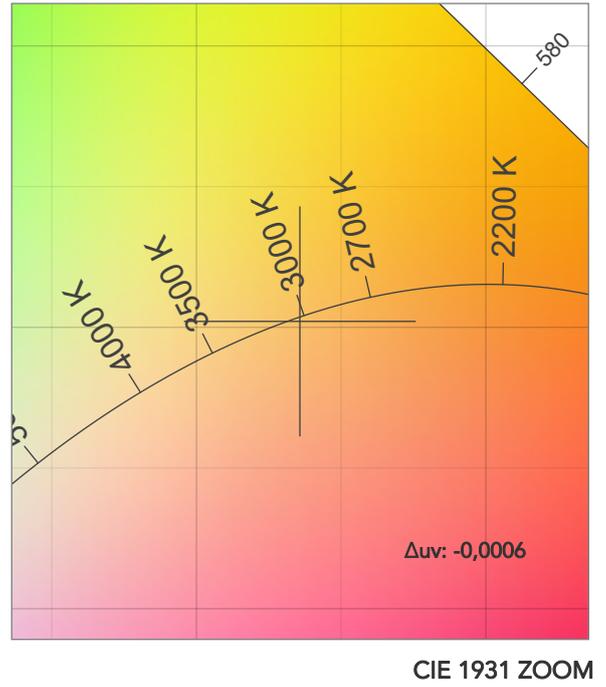
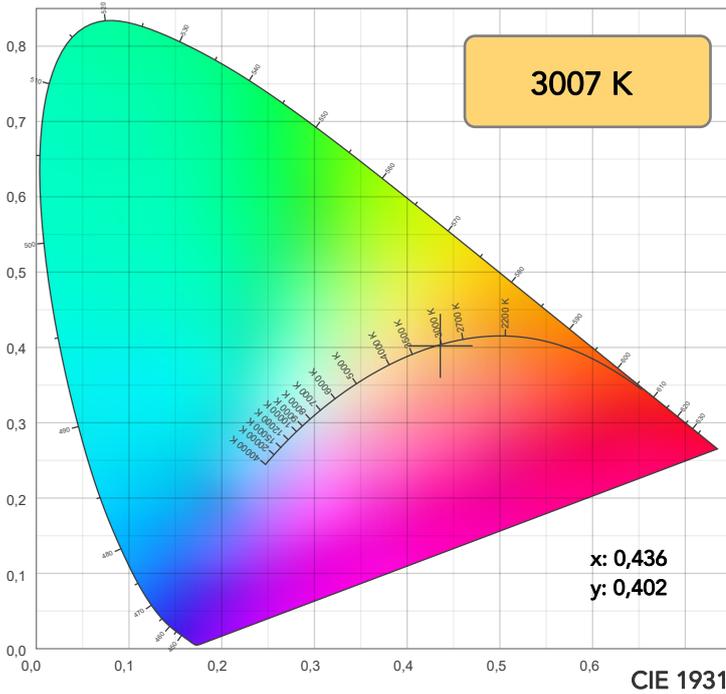
Field angle 10%: 17,3°

Cut off angle 2.5%: 24,6°

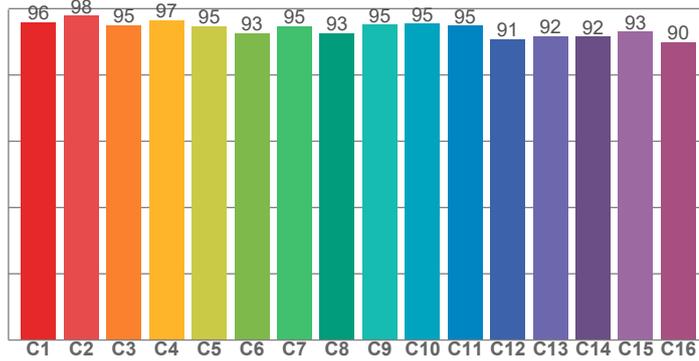
Spectra



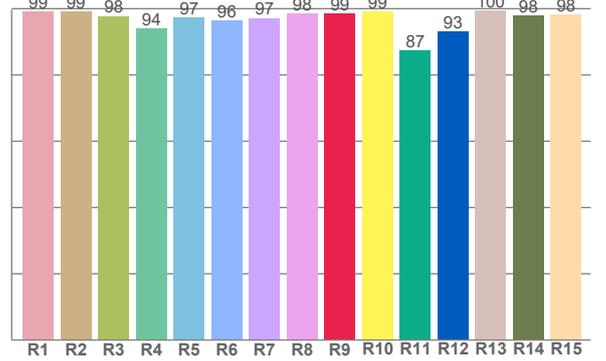
COLOR DETAILS



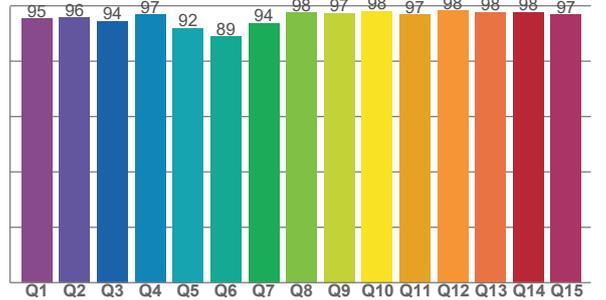
TM30: 94,4



CRI: 97,4 (R1-R8)



CQS: 94,8



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,2	99,2	97,8	93,9	97,2	96,3	97,2	98,5	98,6	99,1	87,5	93,2	99,5	98,1	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
96,0	97,9	95,1	96,6	94,8	92,6	94,8	92,6	95,2	95,4	94,9	90,9	91,7	91,7	93,1	89,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	95,8	94,5	96,8	91,9	88,9	93,8	97,6	97,4	98,0	96,8	98,3	97,7	97,7	96,8

COLOR PARAMETERS

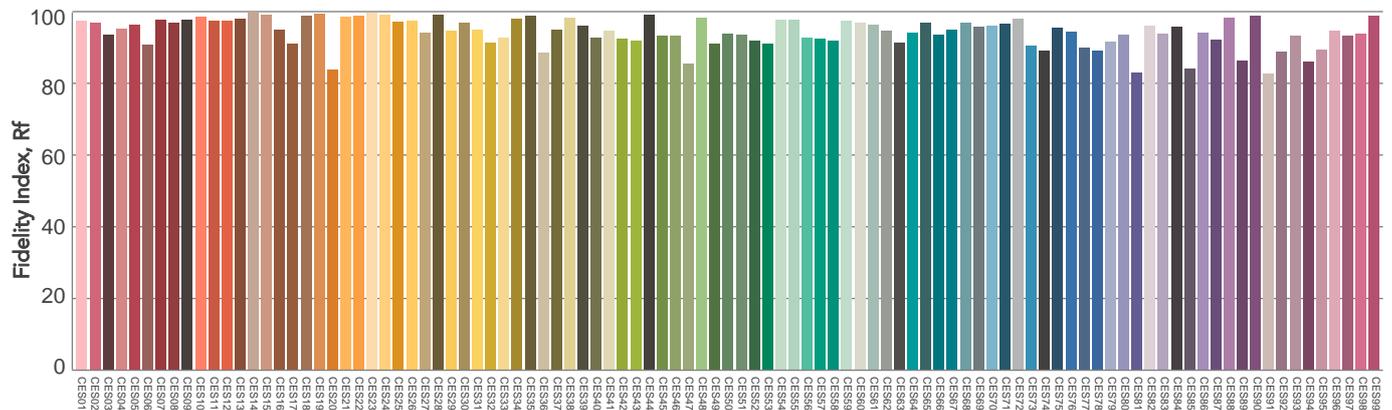
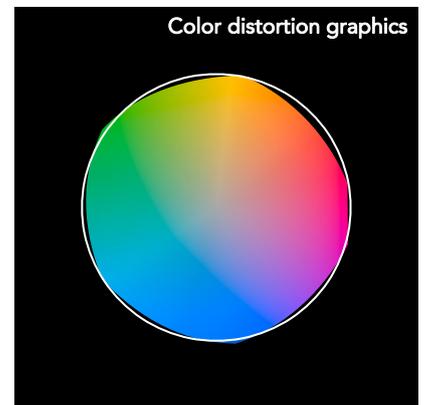
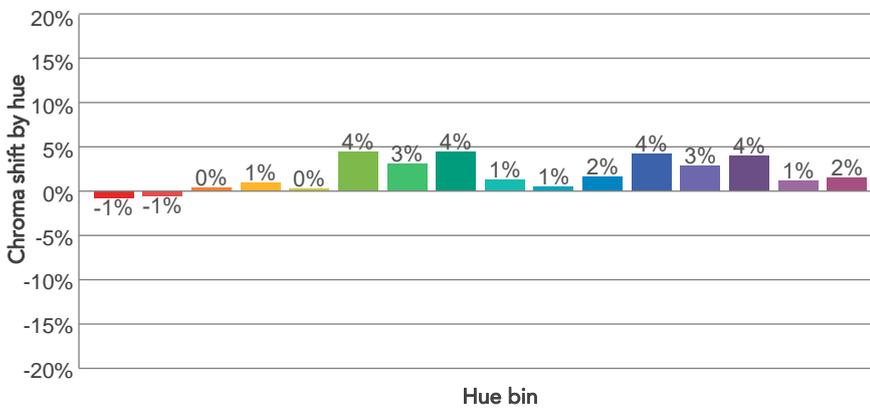
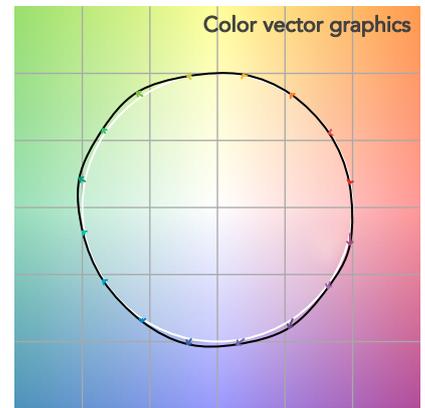
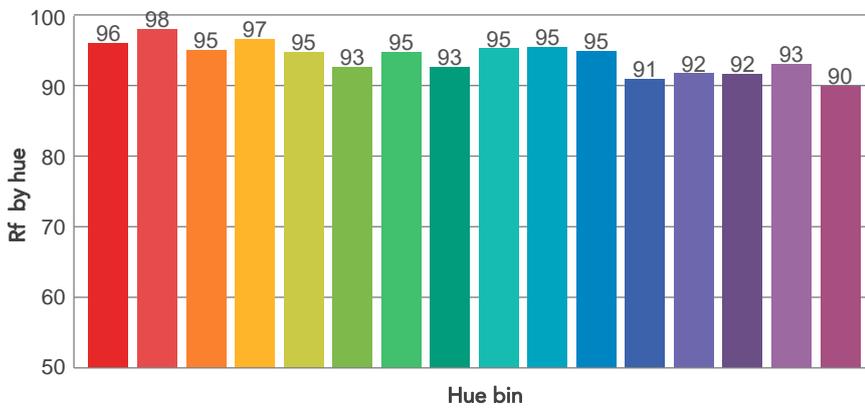
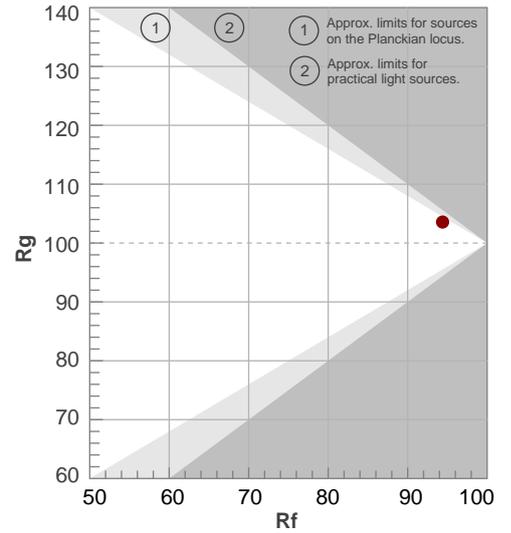
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3007 K	97,4	98,6	94,4	103,6	94,8	87	0,436	0,402	-0,0006

TM30 DETAILS

Rf 94,4
Fidelity index Rf

Rg 103,6
Gammut index

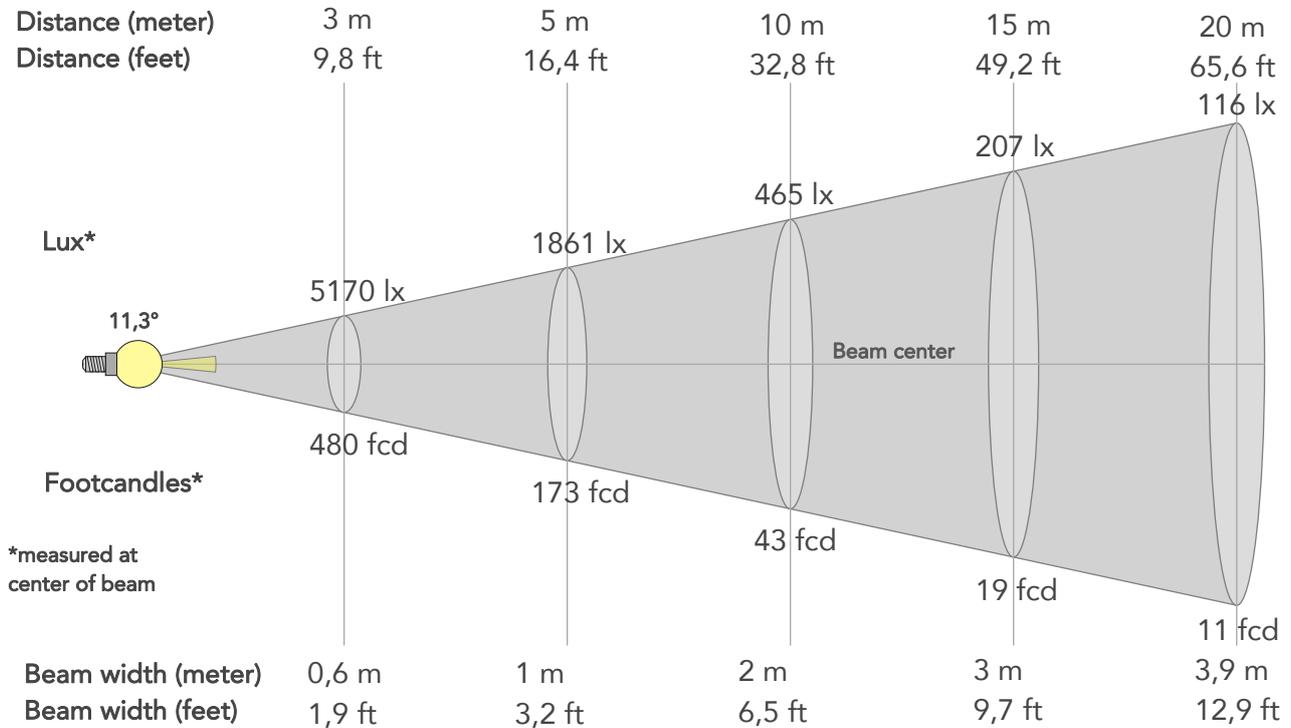
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	-1%
2	98	-1%	0%
3	95	0%	2%
4	97	1%	1%
5	95	0%	3%
6	93	4%	2%
7	95	3%	-1%
8	93	4%	-1%
9	95	1%	-2%
10	95	1%	-2%
11	95	2%	1%
12	91	4%	-2%
13	92	3%	-6%
14	92	4%	-6%
15	93	1%	-4%
16	90	2%	-8%



BEAM DETAILS



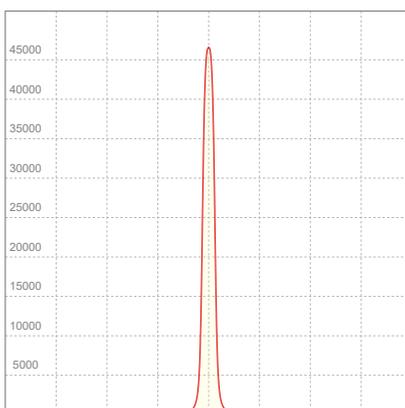
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,3°	24,6°	100,0%	99,7%



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	46533lx	11633lx	5170lx	2908lx	1861lx	827lx	465lx	207lx	116lx	74lx	52lx	29lx	19lx
Footcand.	4323fcd	1081fcd	480fcd	270fcd	173fcd	77fcd	43fcd	19fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	3,9m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	12,9ft	16,2ft	19,4ft	25,9ft	32,4ft

LINEAR DISTRIBUTION DIAGRAM

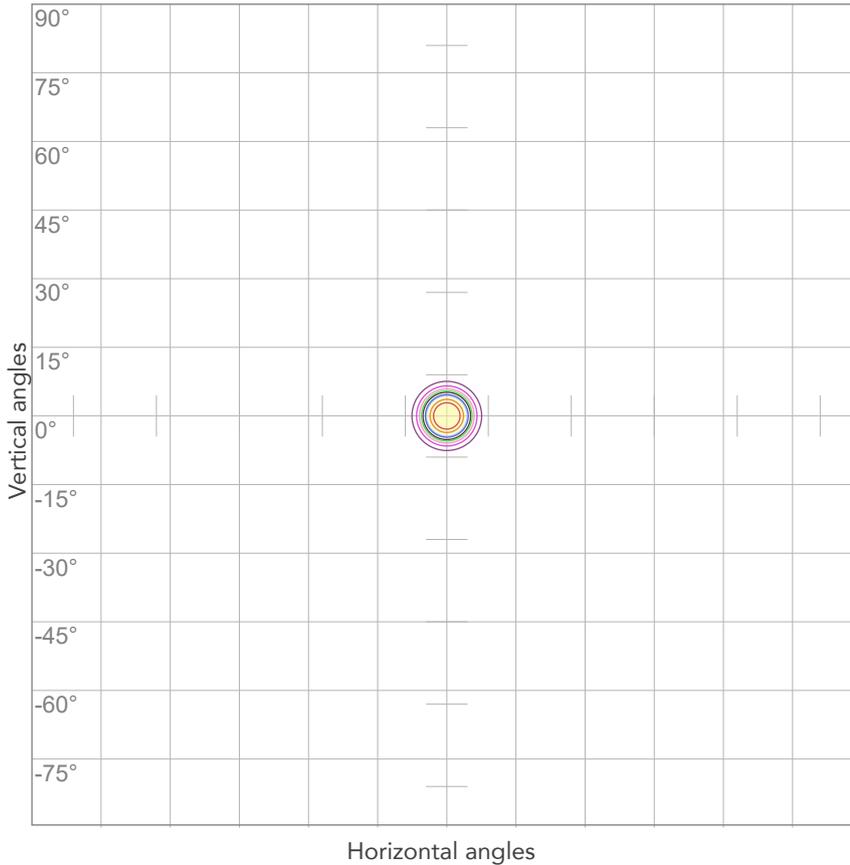


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,464A	101,9W	0,98	19lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



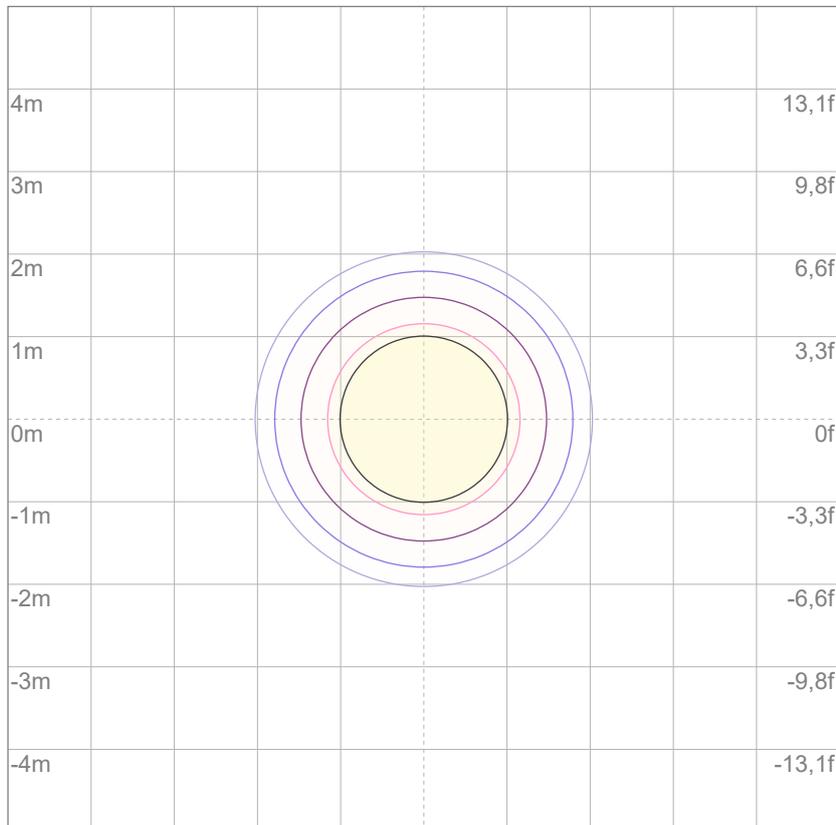
10%	4653 cd
20%	9307 cd
30%	13960 cd
40%	18613 cd
50%	23267 cd
60%	27920 cd
70%	32573 cd
80%	37227 cd

Conditions:

Number of c-planes: 2

Candela at center: 46533 cd

ISO LUX DIAGRAM



3%	14,0 lx
5%	23,3 lx
10%	46,5 lx
30%	140 lx
50%	233 lx

Conditions:

Number of c-planes: 2

Lux at center: 465 lx

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



Total lumen output:

3127 lm

Peak candela output:

4633 cd

Light quality:

CRI: 96,9

Color temperature:

3799 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

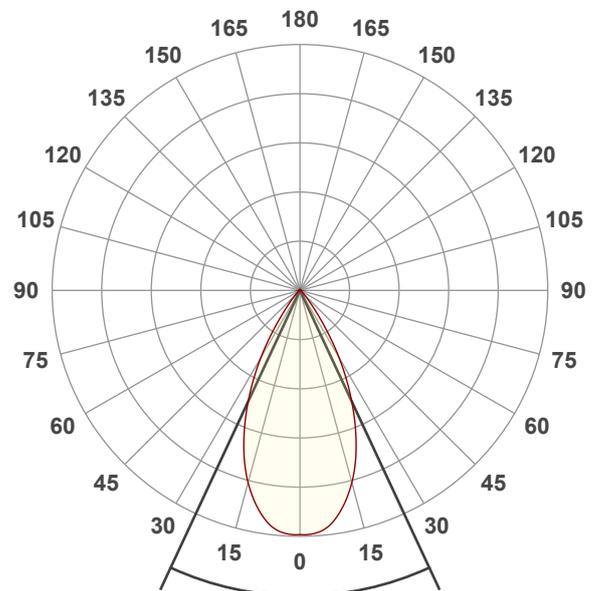
4000K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 13:06:36

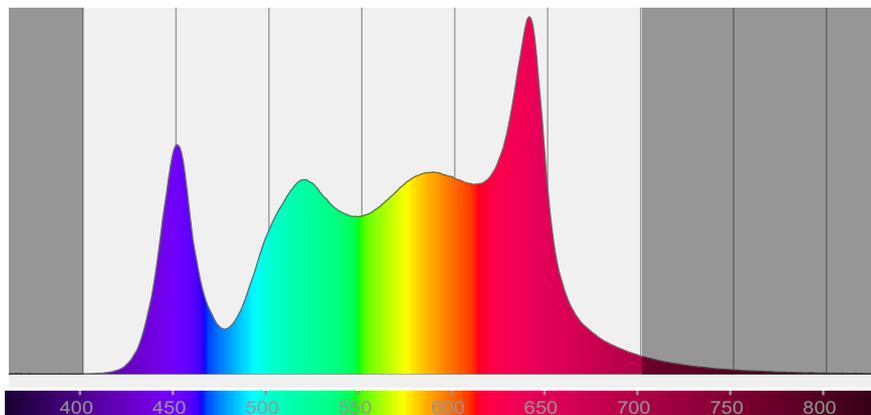


Beam angle 50%: 49,7°

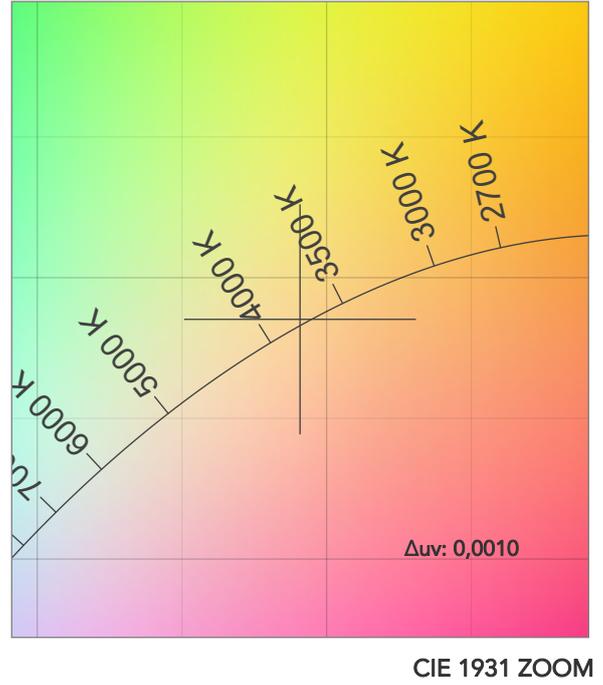
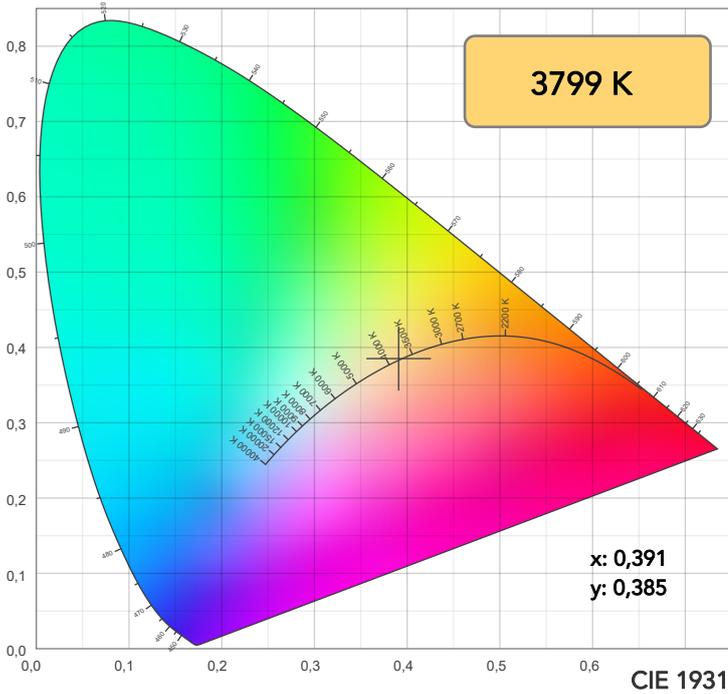
Field angle 10%: 74,7°

Cut off angle 2.5%: 91,1°

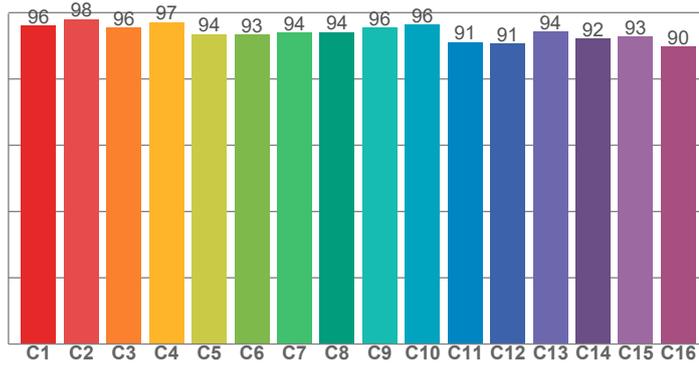
Spectra



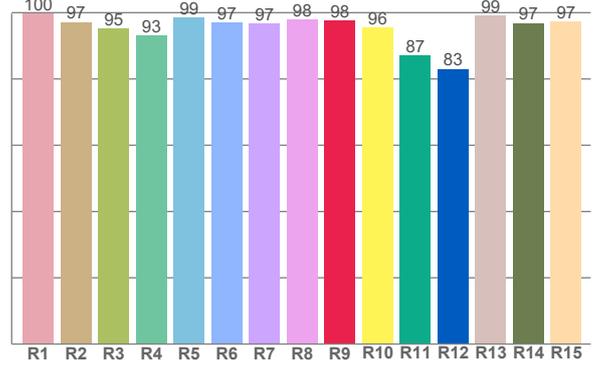
COLOR DETAILS



TM30: 94,2



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
99,7	97,2	95,1	93,1	98,5	97,1	96,6	98,1	97,6	95,6	87,1	83,0	99,2	96,9	97,2

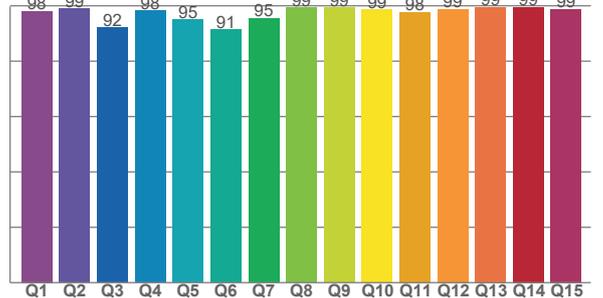
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,1	98,1	95,5	97,1	93,6	93,4	94,0	94,2	95,5	96,4	91,2	90,6	94,2	92,2	92,8	89,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,0	98,9	92,2	98,3	94,9	91,3	95,5	99,4	99,2	98,6	97,7	98,8	99,5	99,5	98,8

CQS: 96,3



COLOR PARAMETERS

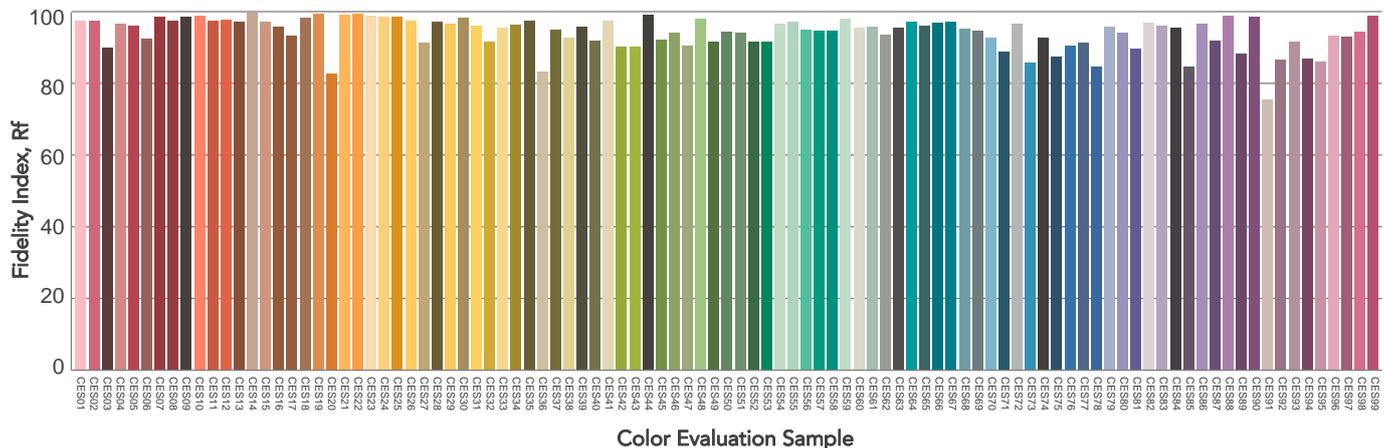
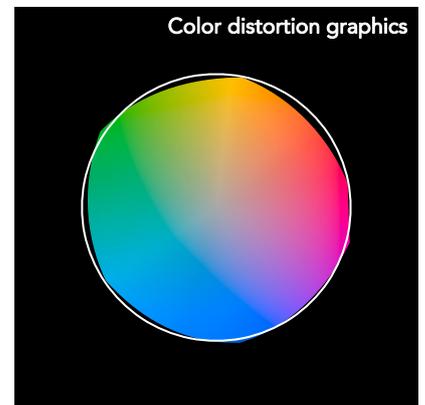
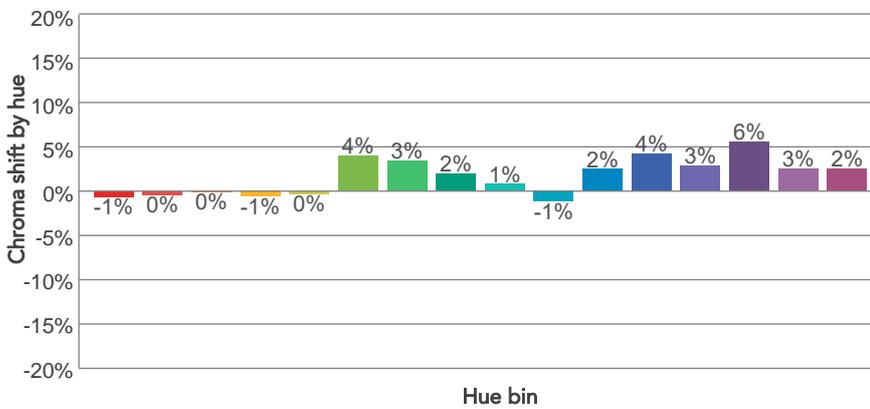
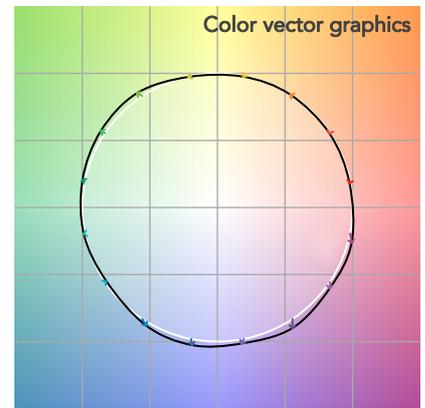
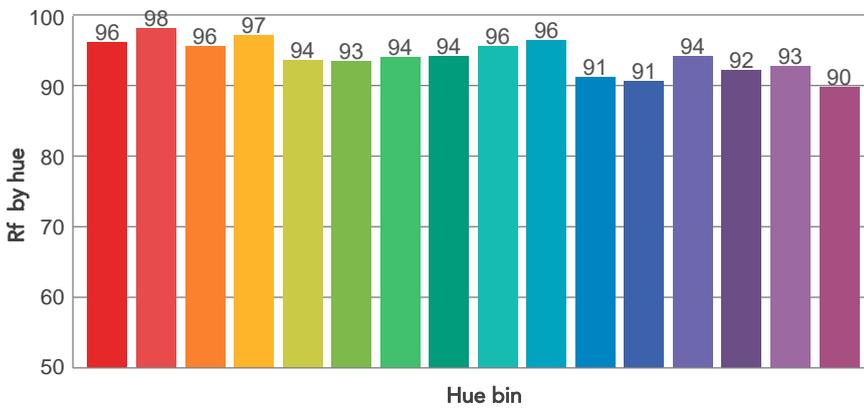
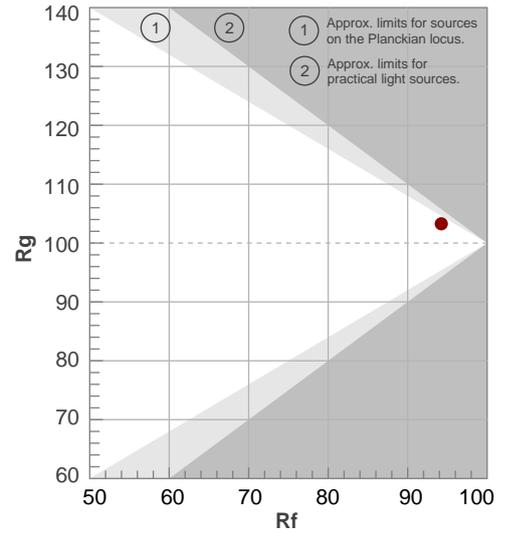
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3799 K	96,9	97,6	94,2	103,3	96,3	89	0,391	0,385	0,0010

TM30 DETAILS

Rf 94,2
Fidelity index Rf

Rg 103,3
Gammut index

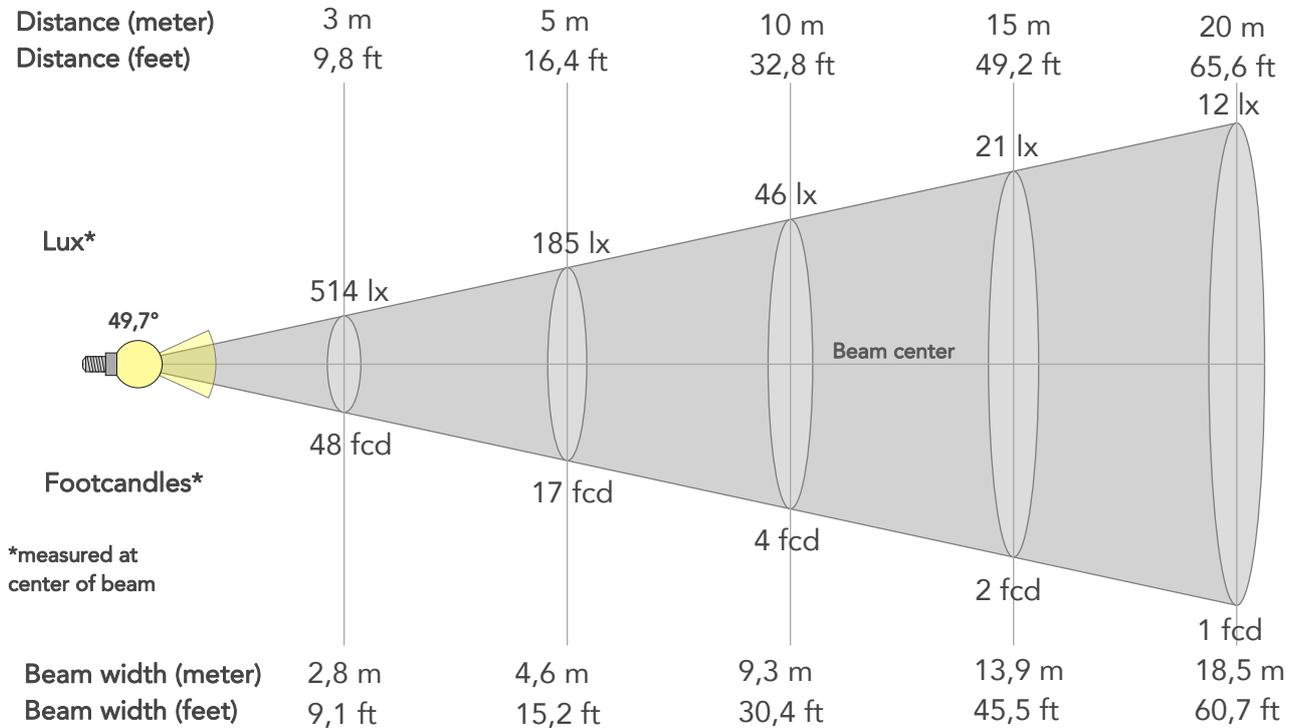
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	-1%	-1%
2	98	0%	0%
3	96	0%	2%
4	97	-1%	0%
5	94	0%	2%
6	93	4%	2%
7	94	3%	1%
8	94	2%	-1%
9	96	1%	0%
10	96	-1%	0%
11	91	2%	5%
12	91	4%	2%
13	94	3%	-2%
14	92	6%	-4%
15	93	3%	-4%
16	90	2%	-6%



BEAM DETAILS



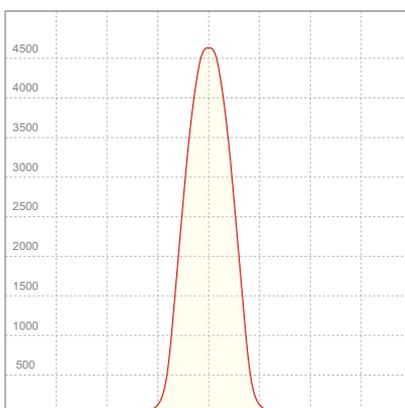
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,7°	74,7°	91,1°	99,6%	97,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4628lx	1157lx	514lx	289lx	185lx	82lx	46lx	21lx	12lx	7lx	5lx	3lx	2lx
Footcand.	430fcd	107fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,7m	4,6m	6,9m	9,3m	13,9m	18,5m	23,1m	27,8m	37m	46,3m
Beam wid.	3,1ft	6,1ft	9,1ft	12,1ft	15,2ft	22,8ft	30,4ft	45,5ft	60,7ft	75,9ft	91,1ft	121,5ft	151,8ft

LINEAR DISTRIBUTION DIAGRAM

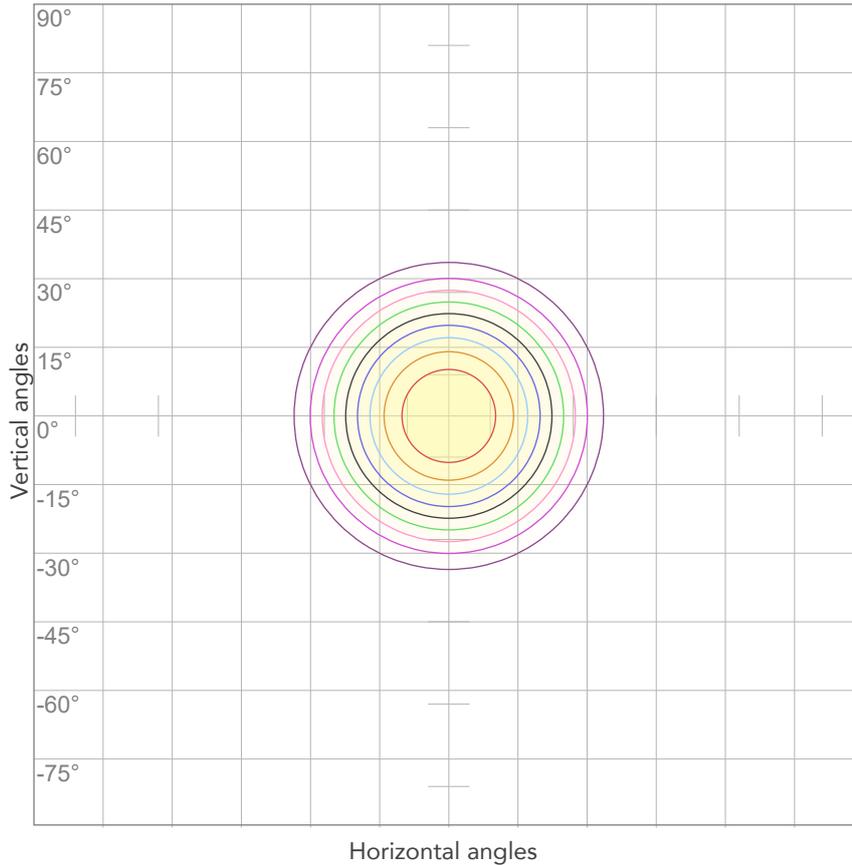


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,487A	106,6W	0,98	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



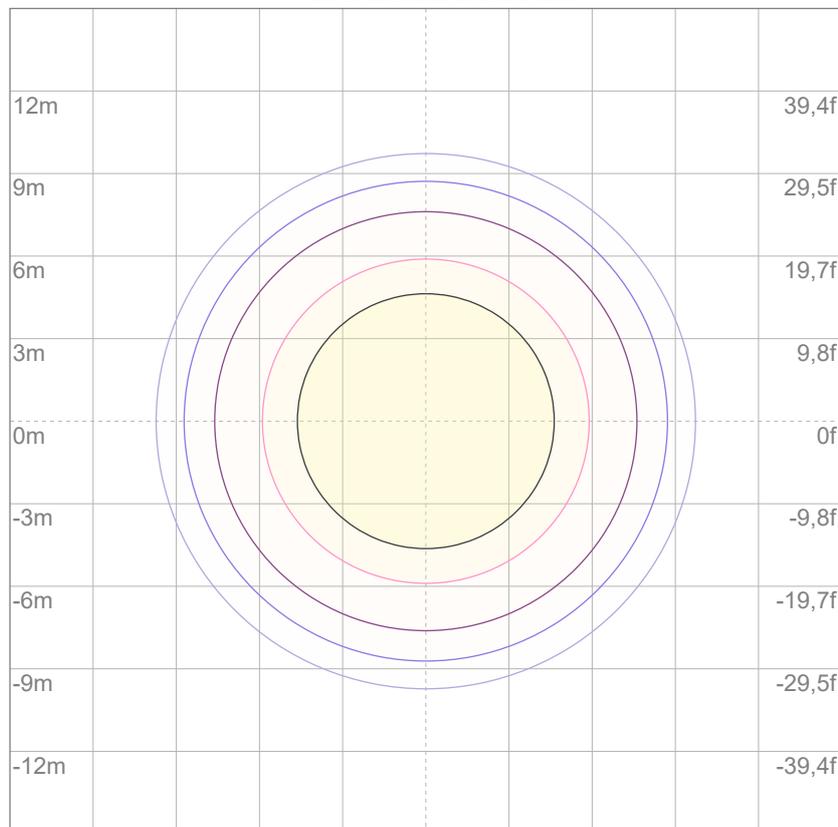
10%	463 cd
20%	926 cd
30%	1388 cd
40%	1851 cd
50%	2314 cd
60%	2777 cd
70%	3240 cd
80%	3703 cd

Conditions:

Number of c-planes: 2

Candela at center: 4628 cd

ISO LUX DIAGRAM



3%	1,39 lx
5%	2,31 lx
10%	4,63 lx
30%	13,9 lx
50%	23,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 46,3 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

2079 lm

Peak candela output:

49423 cd

Light quality:

CRI: 96,8

Color temperature:

3756 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

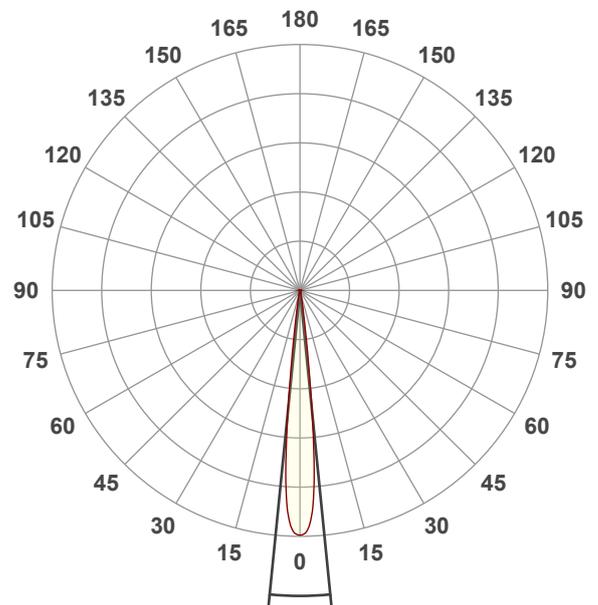
4000K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 13:08:20

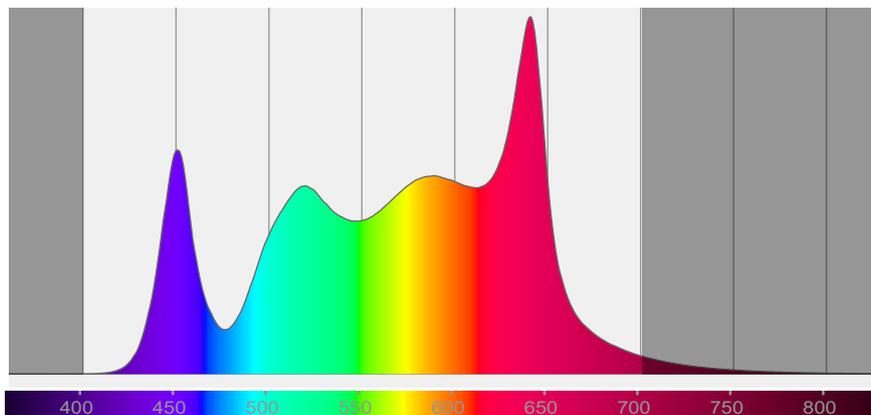


Beam angle 50%: 11,3°

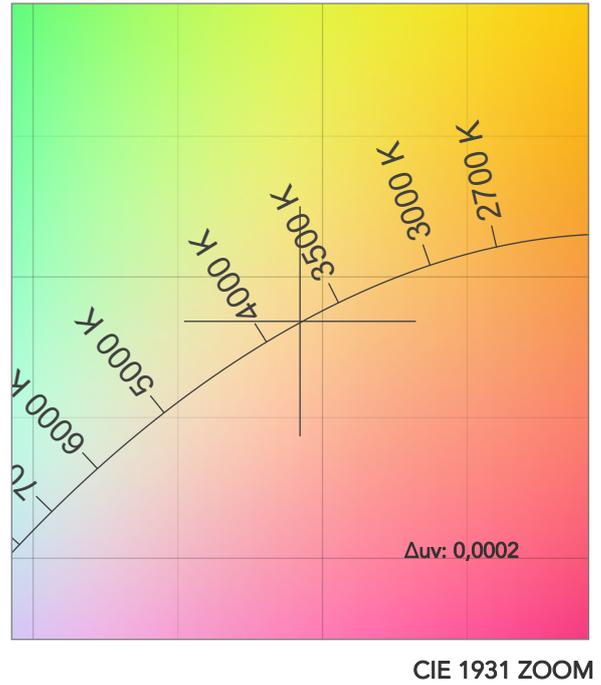
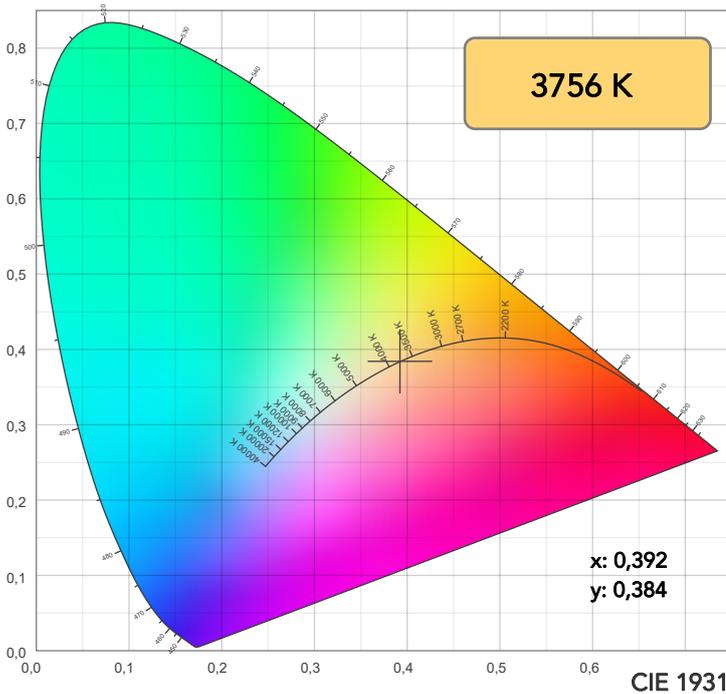
Field angle 10%: 17,3°

Cut off angle 2.5%: 24,6°

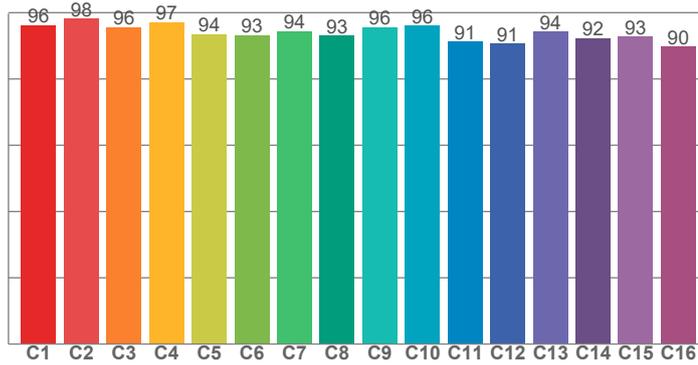
Spectra



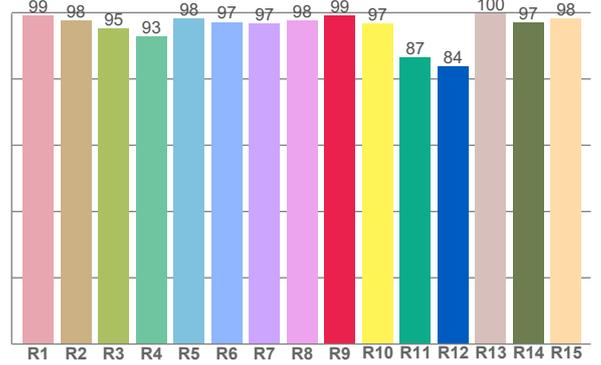
COLOR DETAILS



TM30: 94,3



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
99,2	97,7	95,3	92,7	98,2	97,2	96,7	97,7	99,2	96,7	86,5	83,9	99,8	96,9	98,3

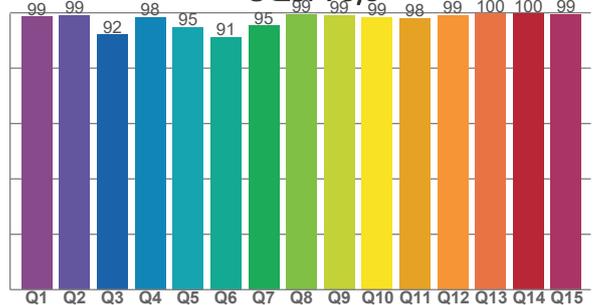
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	98,1	95,6	97,1	93,5	93,2	94,5	93,1	95,7	96,2	91,3	90,7	94,4	92,3	92,9	89,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,6	99,1	92,1	98,3	94,9	91,2	95,3	99,5	99,1	98,5	98,1	99,1	99,6	99,6	99,4

CQS: 96,3



COLOR PARAMETERS

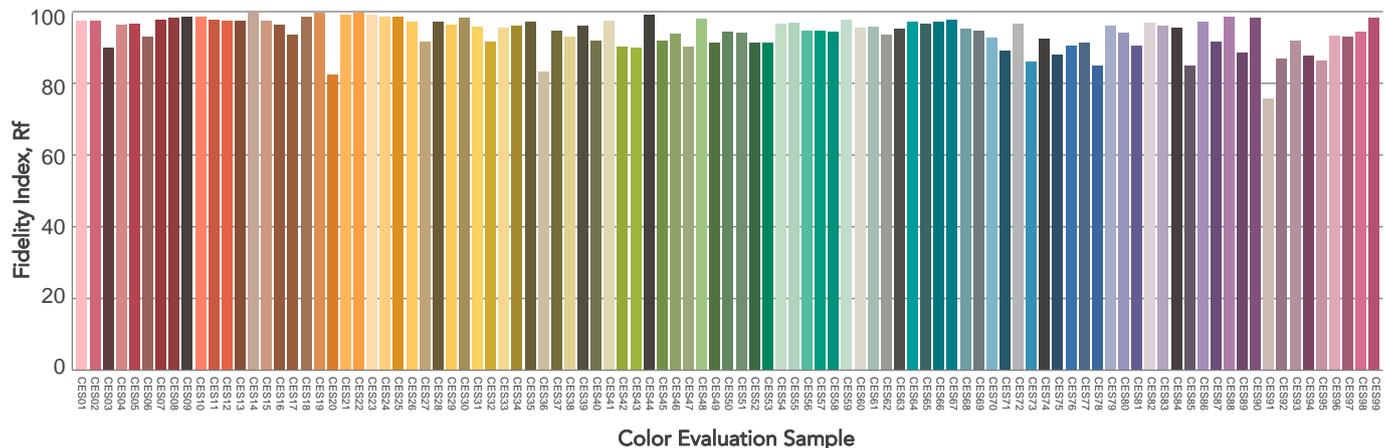
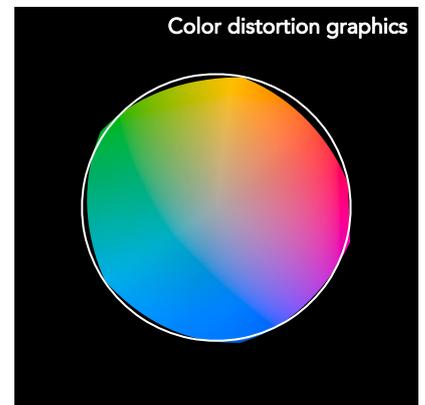
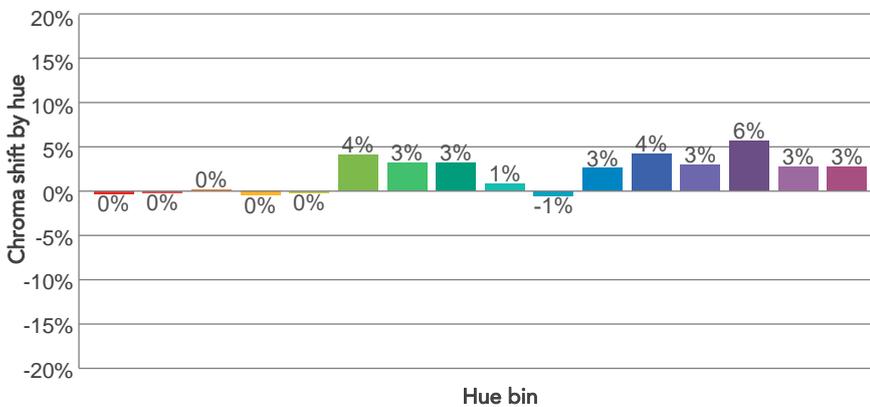
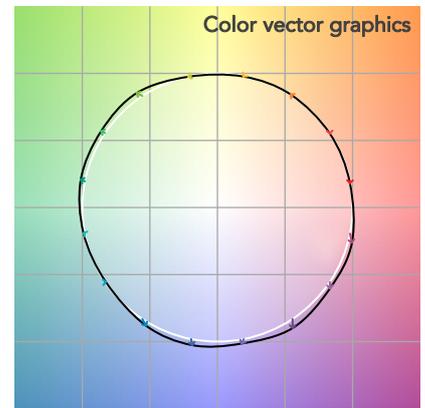
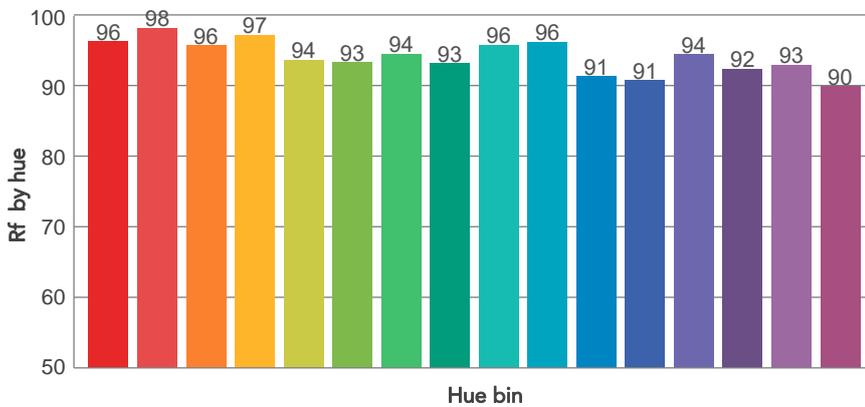
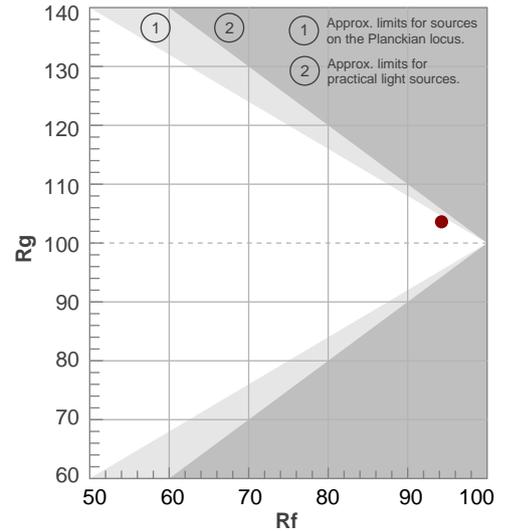
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3756 K	96,8	99,2	94,3	103,6	96,3	89	0,392	0,384	0,0002

TM30 DETAILS

Rf 94,3
Fidelity index Rf

Rg 103,6
Gammut index

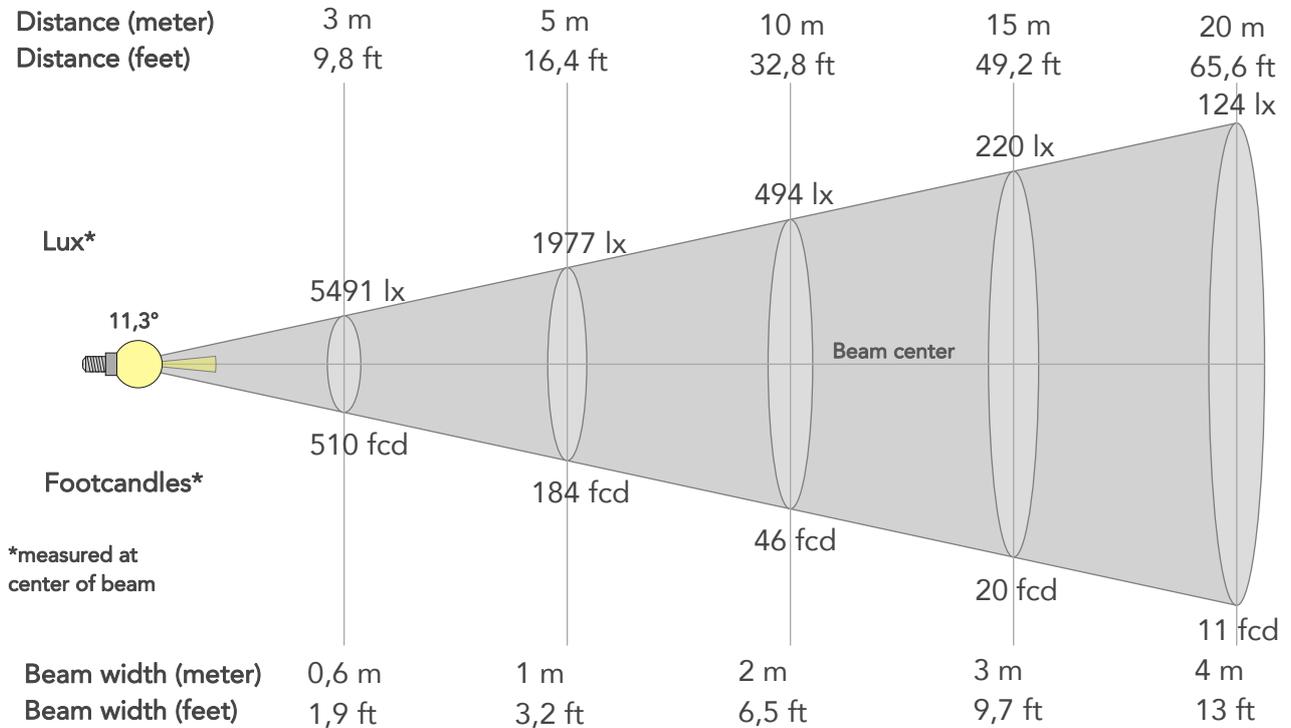
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	0%	0%
3	96	0%	2%
4	97	0%	0%
5	94	0%	2%
6	93	4%	2%
7	94	3%	0%
8	93	3%	-1%
9	96	1%	-1%
10	96	-1%	0%
11	91	3%	5%
12	91	4%	2%
13	94	3%	-2%
14	92	6%	-4%
15	93	3%	-4%
16	90	3%	-6%



BEAM DETAILS



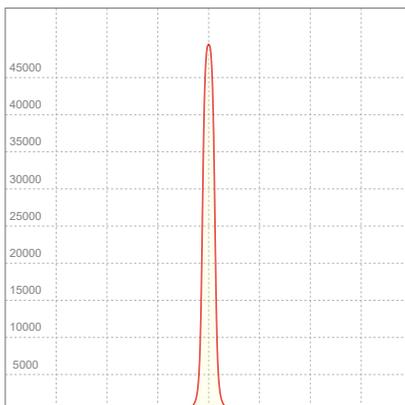
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,3°	24,6°	99,9%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	49423lx	12356lx	5491lx	3089lx	1977lx	879lx	494lx	220lx	124lx	79lx	55lx	31lx	20lx
Footcand.	4592fcd	1148fcd	510fcd	287fcd	184fcd	82fcd	46fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,5ft	26ft	32,4ft

LINEAR DISTRIBUTION DIAGRAM

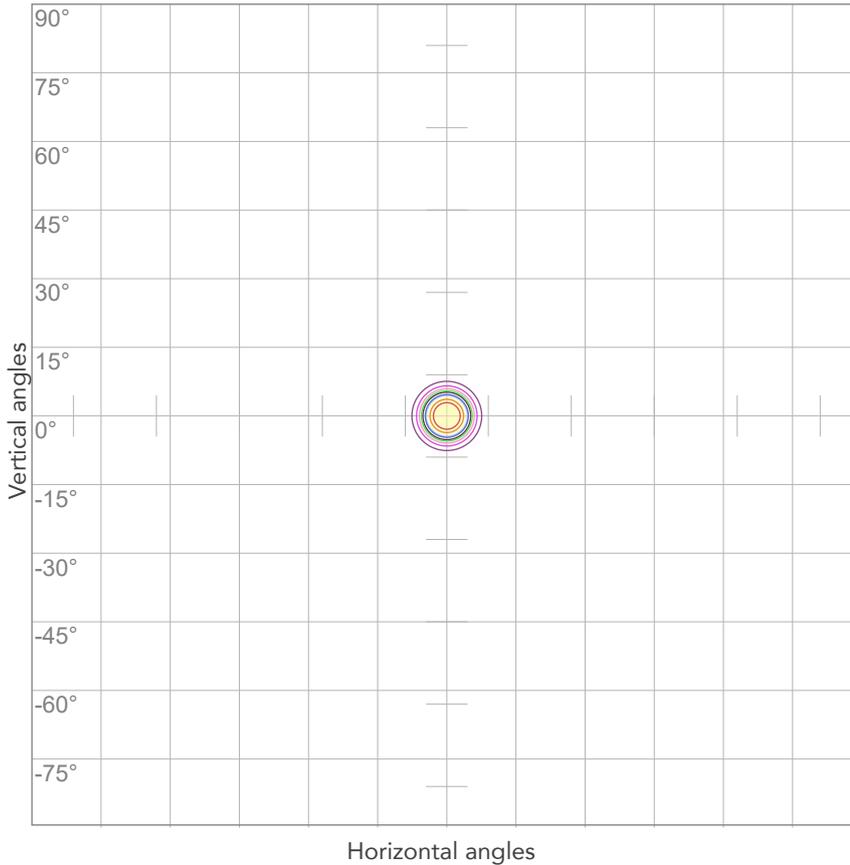


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,481A	105,9W	0,98	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



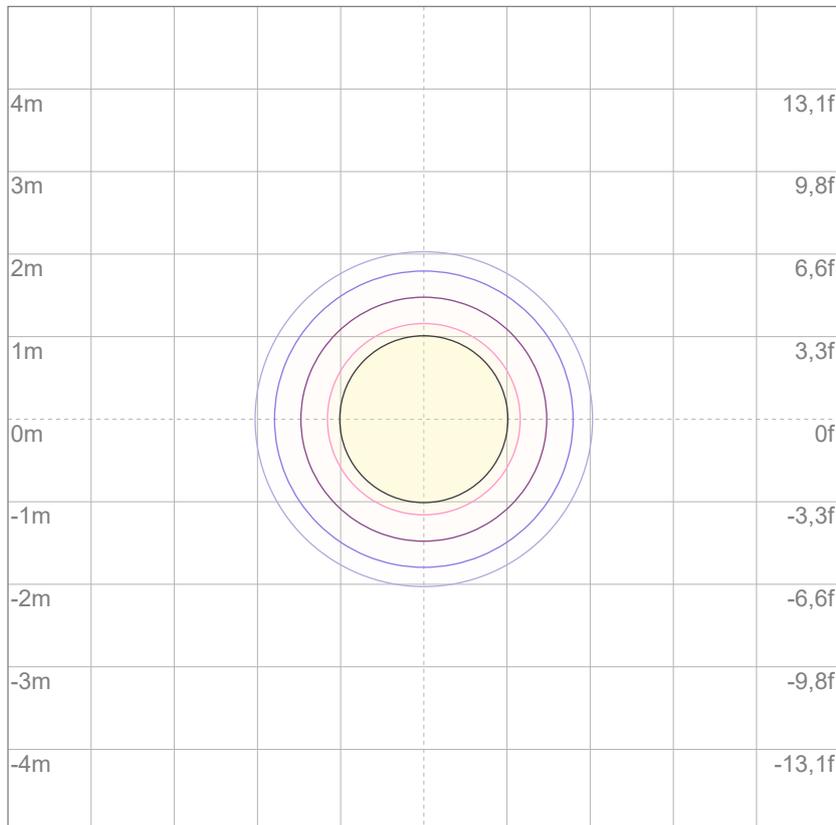
10%	4942 cd
20%	9885 cd
30%	14827 cd
40%	19769 cd
50%	24711 cd
60%	29654 cd
70%	34596 cd
80%	39538 cd

Conditions:

Number of c-planes: 2

Candela at center: 49423 cd

ISO LUX DIAGRAM



3%	14,8 lx
5%	24,7 lx
10%	49,4 lx
30%	148 lx
50%	247 lx

Conditions:

Number of c-planes: 2

Lux at center: 494 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

3895 lm

Peak candela output:

5773 cd

Light quality:

CRI: 94,5

Color temperature:

5202 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

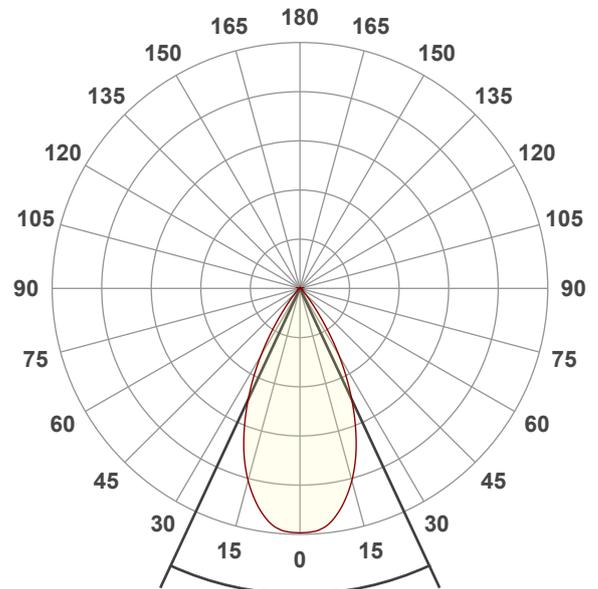
5600K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:16:57

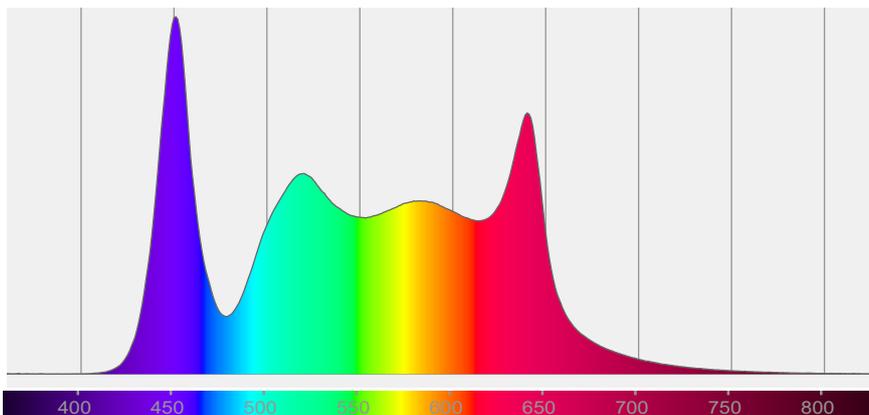


Beam angle 50%: 49,7°

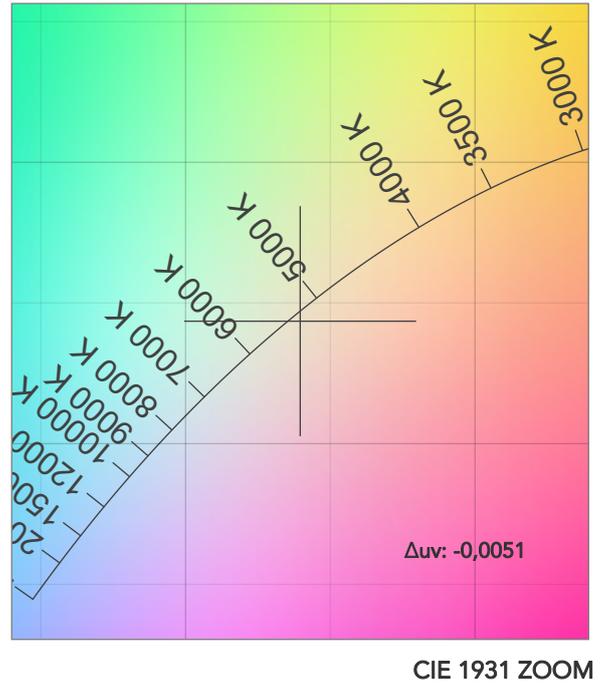
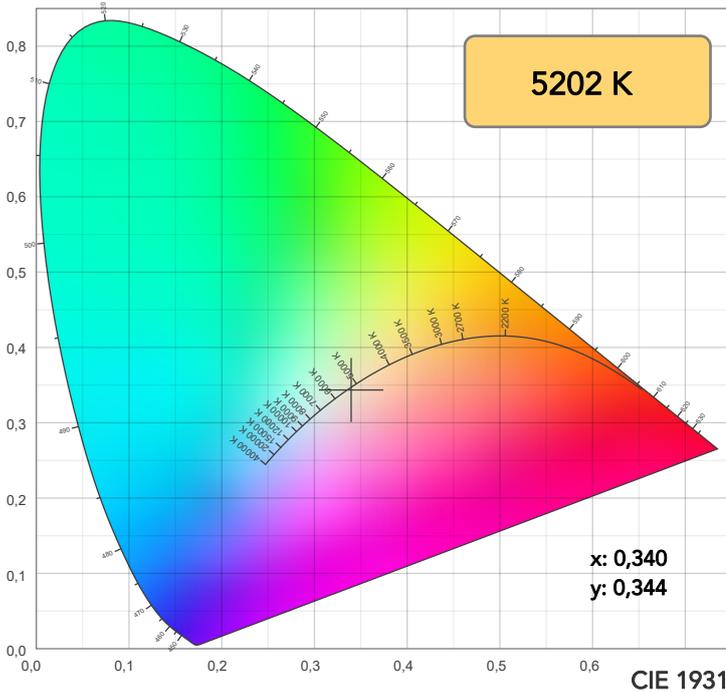
Field angle 10%: 74,7°

Cut off angle 2.5%: 91,1°

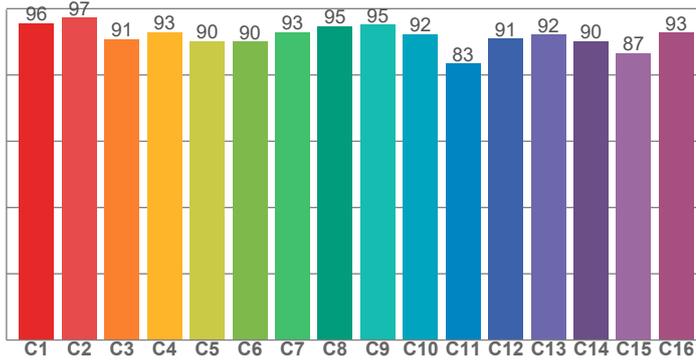
Spectra



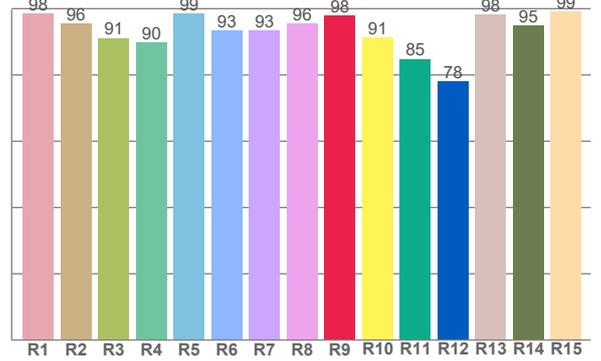
COLOR DETAILS



TM30: 91,7



CRI: 94,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,5	95,6	91,2	89,8	98,5	93,5	93,5	95,6	97,9	91,4	84,8	78,0	98,2	94,9	99,2

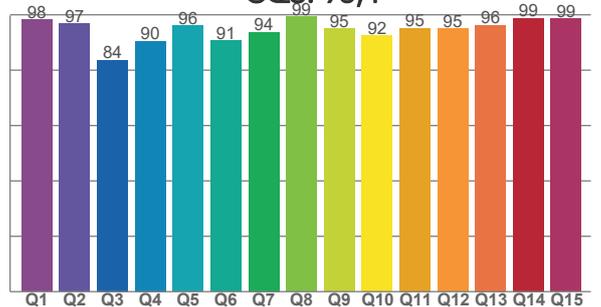
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,2	90,8	92,9	90,2	90,1	93,0	94,7	95,2	92,3	83,5	91,0	92,2	90,2	86,6	92,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	96,8	83,6	90,4	96,0	90,7	93,8	99,2	95,0	92,5	95,1	95,0	96,2	98,8	98,6

CQS: 93,4



COLOR PARAMETERS

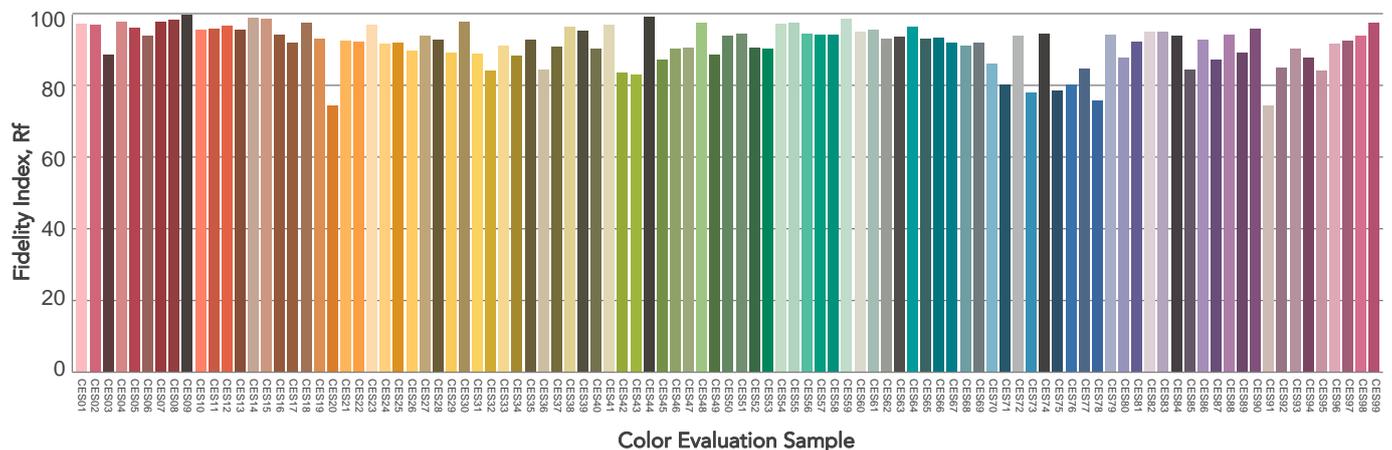
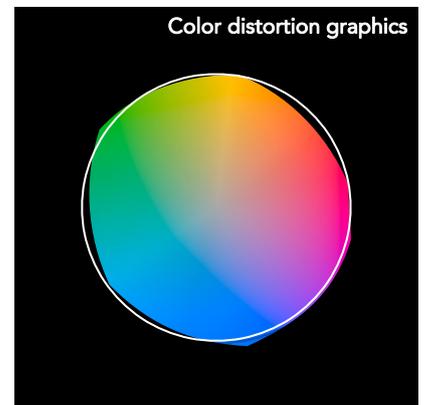
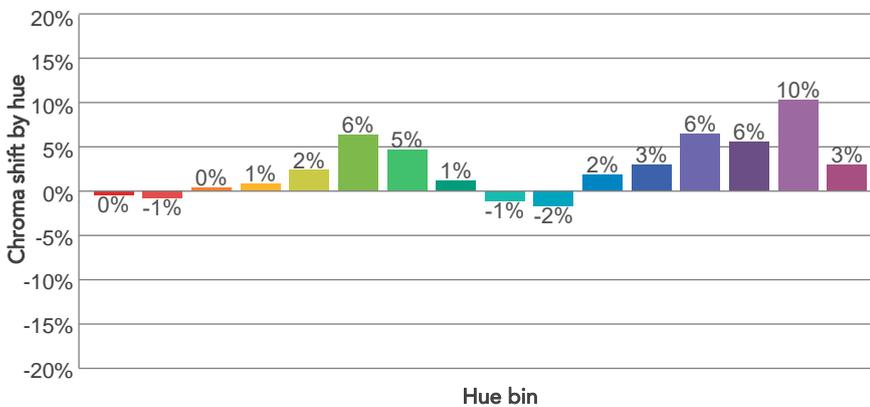
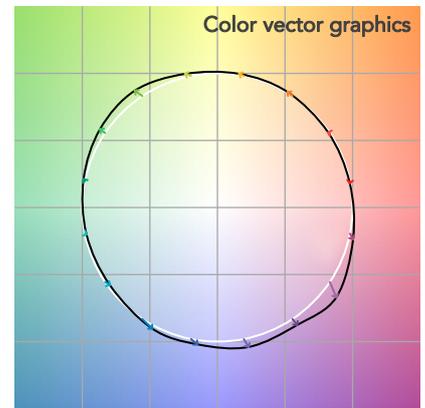
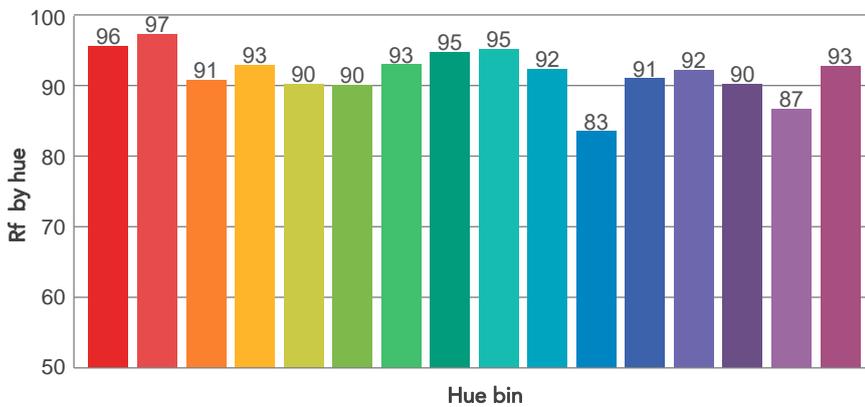
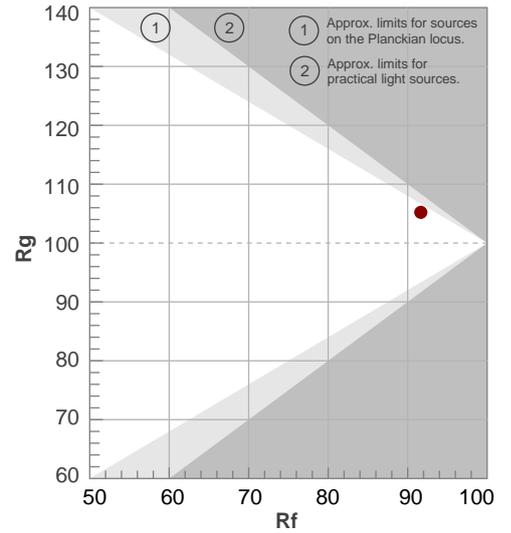
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5202 K	94,5	97,9	91,7	105,2	93,4	92	0,340	0,344	-0,0051

TM30 DETAILS

Rf 91,7
Fidelity index Rf

Rg 105,2
Gammut index

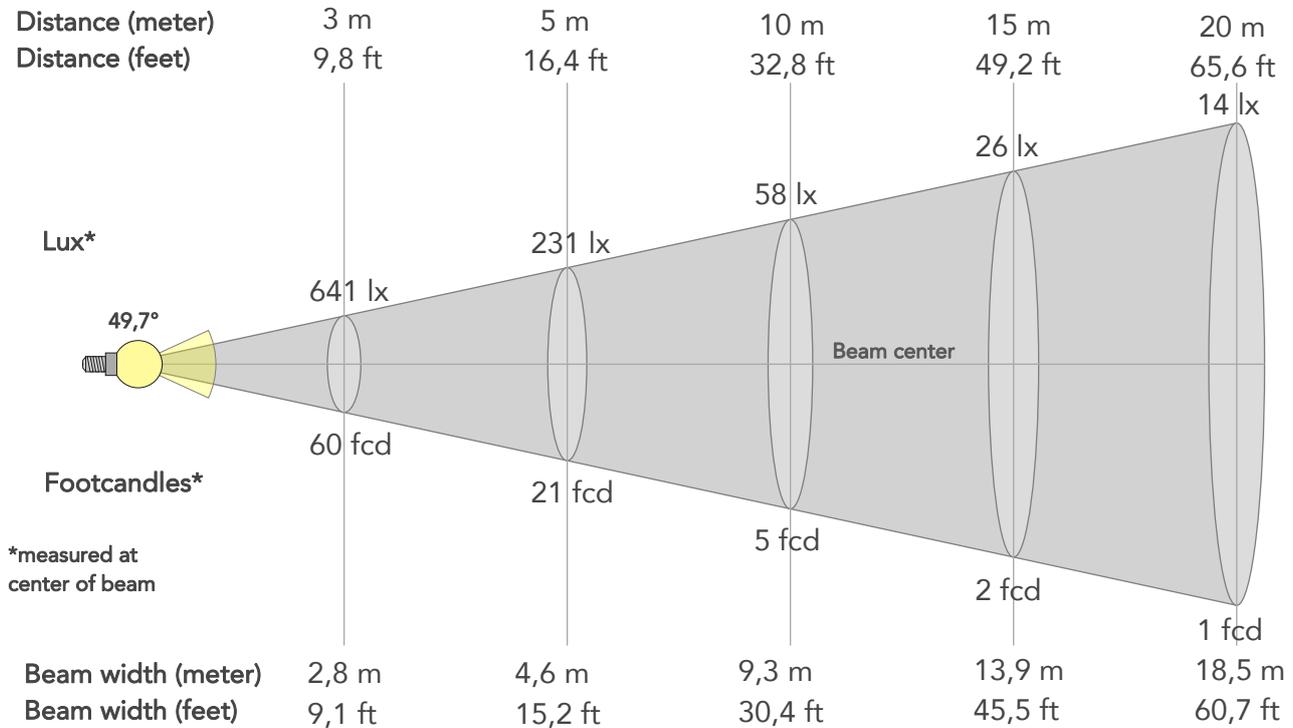
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	-1%	1%
3	91	0%	5%
4	93	1%	4%
5	90	2%	4%
6	90	6%	2%
7	93	5%	0%
8	95	1%	-1%
9	95	-1%	1%
10	92	-2%	4%
11	83	2%	10%
12	91	3%	5%
13	92	6%	2%
14	90	6%	0%
15	87	10%	-7%
16	93	3%	-4%



BEAM DETAILS



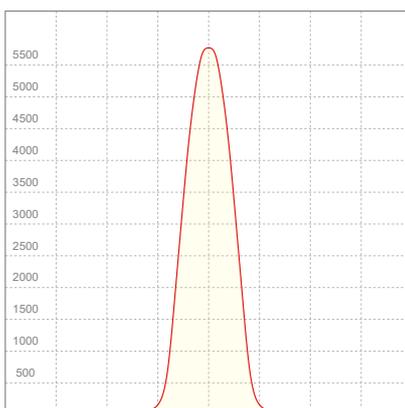
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,7°	74,7°	91,1°	99,6%	97,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5773lx	1443lx	641lx	361lx	231lx	103lx	58lx	26lx	14lx	9lx	6lx	4lx	2lx
Footcand.	536fcd	134fcd	60fcd	34fcd	21fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,7m	4,6m	6,9m	9,3m	13,9m	18,5m	23,1m	27,8m	37m	46,3m
Beam wid.	3,1ft	6,1ft	9,1ft	12,1ft	15,2ft	22,8ft	30,4ft	45,5ft	60,7ft	75,9ft	91,1ft	121,4ft	151,8ft

LINEAR DISTRIBUTION DIAGRAM

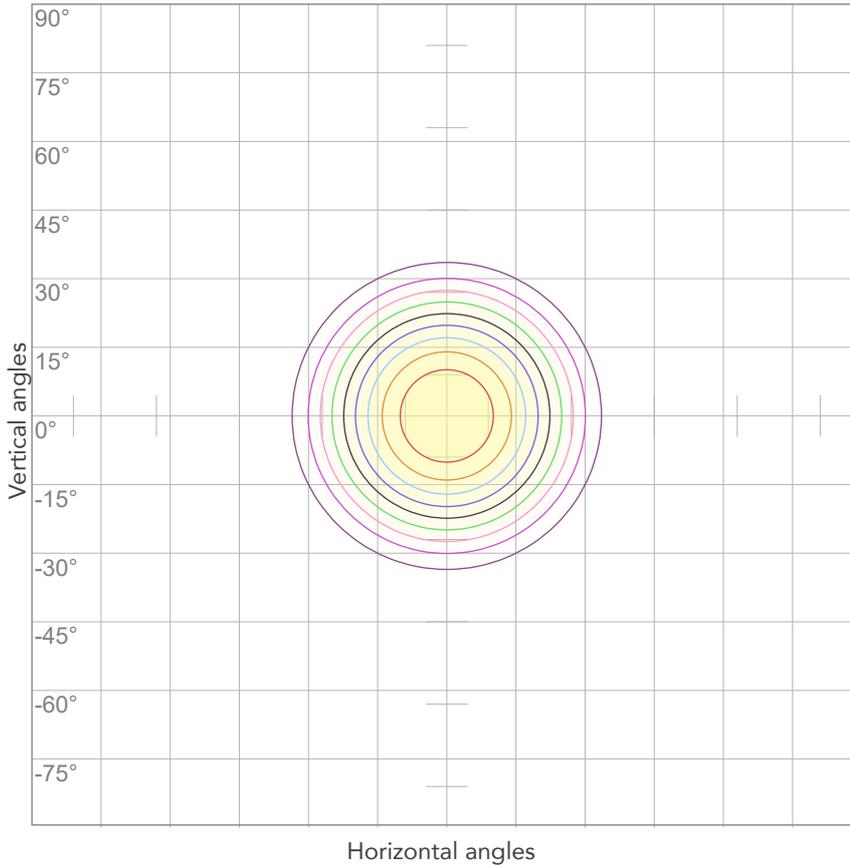


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,585A	130W	0,99	30lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



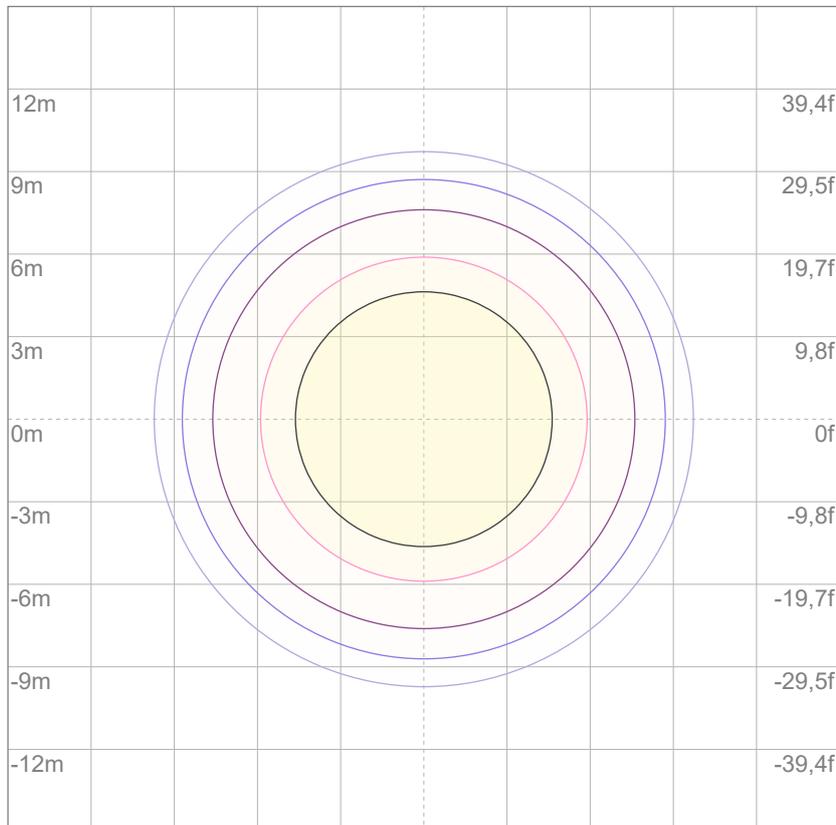
10%	577 cd
20%	1155 cd
30%	1732 cd
40%	2309 cd
50%	2887 cd
60%	3464 cd
70%	4041 cd
80%	4619 cd

Conditions:

Number of c-planes: 2

Candela at center: 5773 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,73 lx
5%	2,89 lx
10%	5,77 lx
30%	17,3 lx
50%	28,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 57,7 lx

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



Total lumen output:

2565 lm

Peak candela output:

60963 cd

Light quality:

CRI: 94,5

Color temperature:

5204 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

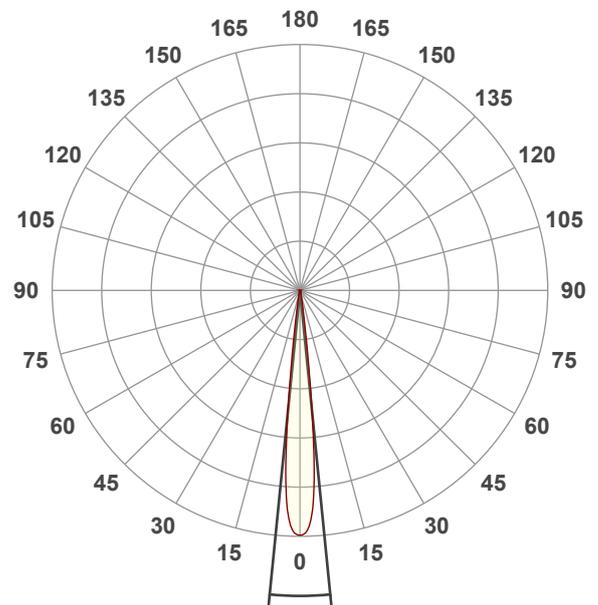
5600K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 12:18:46

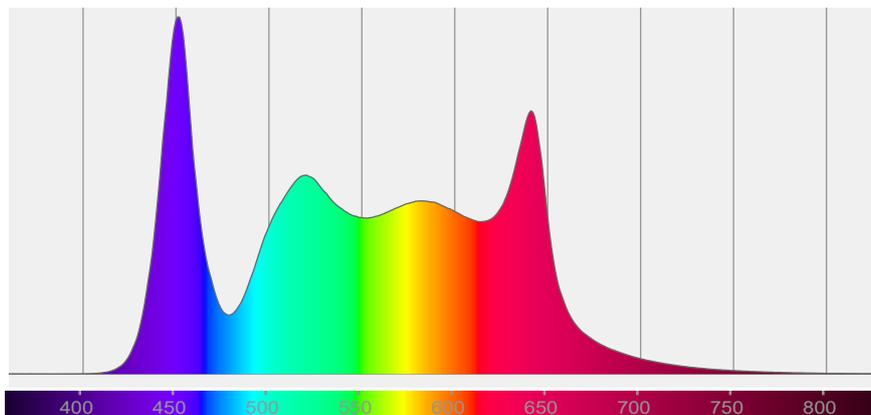


Beam angle 50%: 11,3°

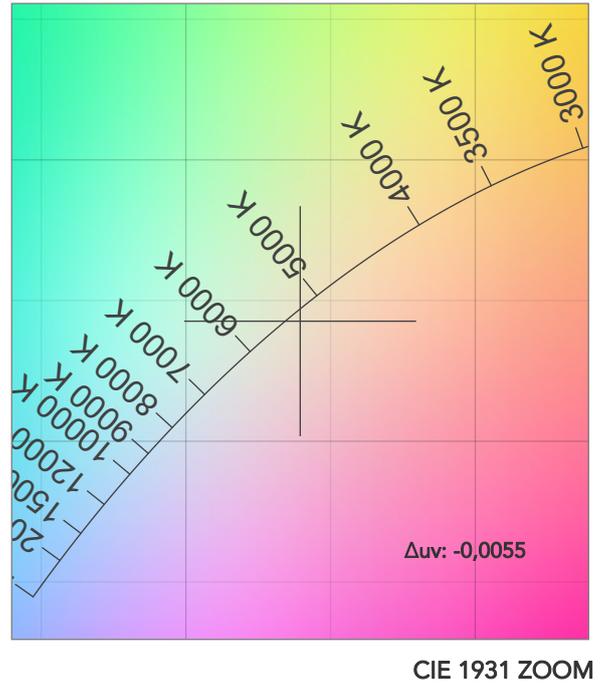
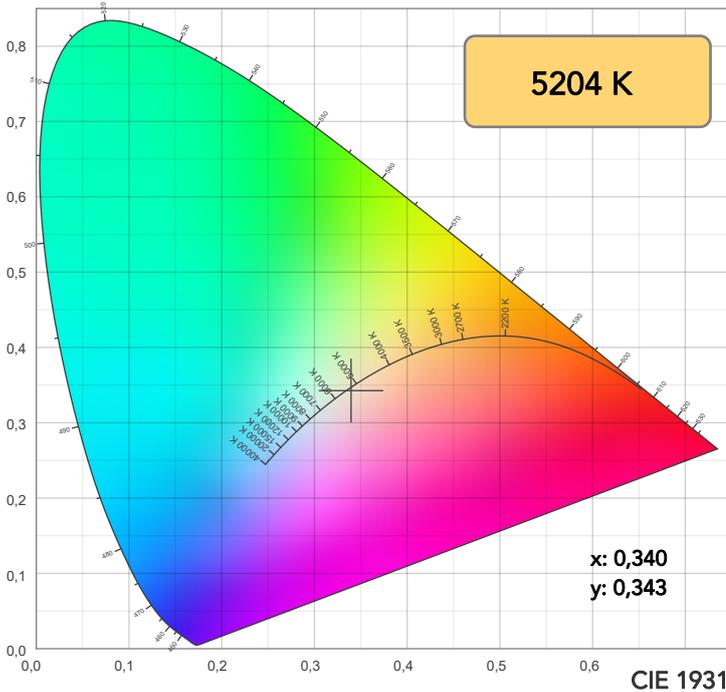
Field angle 10%: 17,2°

Cut off angle 2.5%: 24,7°

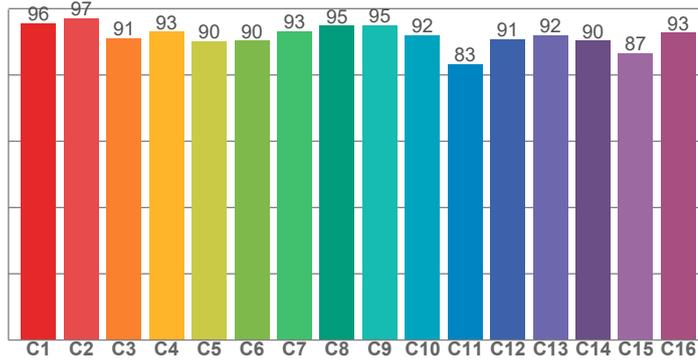
Spectra



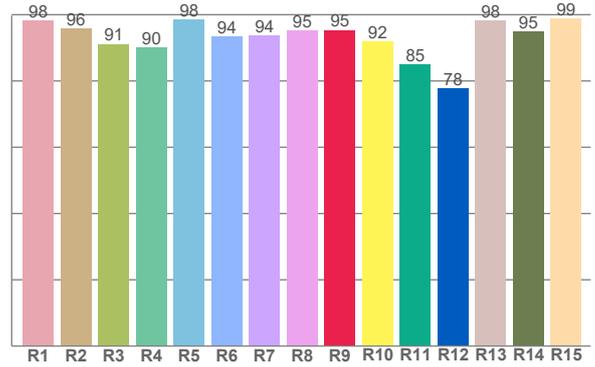
COLOR DETAILS



TM30: 91,7



CRI: 94,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,2	95,9	91,2	90,0	98,5	93,5	93,7	95,3	95,4	91,9	85,0	77,7	98,2	94,8	98,9

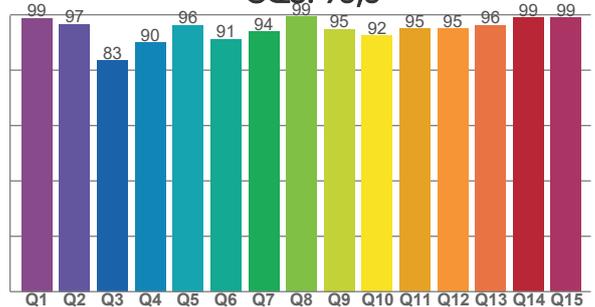
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,2	91,1	93,1	90,3	90,4	93,2	94,8	95,1	92,0	83,3	90,8	92,1	90,3	86,6	92,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	96,7	83,4	90,0	96,3	91,1	93,9	99,3	94,8	92,5	95,0	95,0	96,2	99,0	99,0

CQS: 93,3



COLOR PARAMETERS

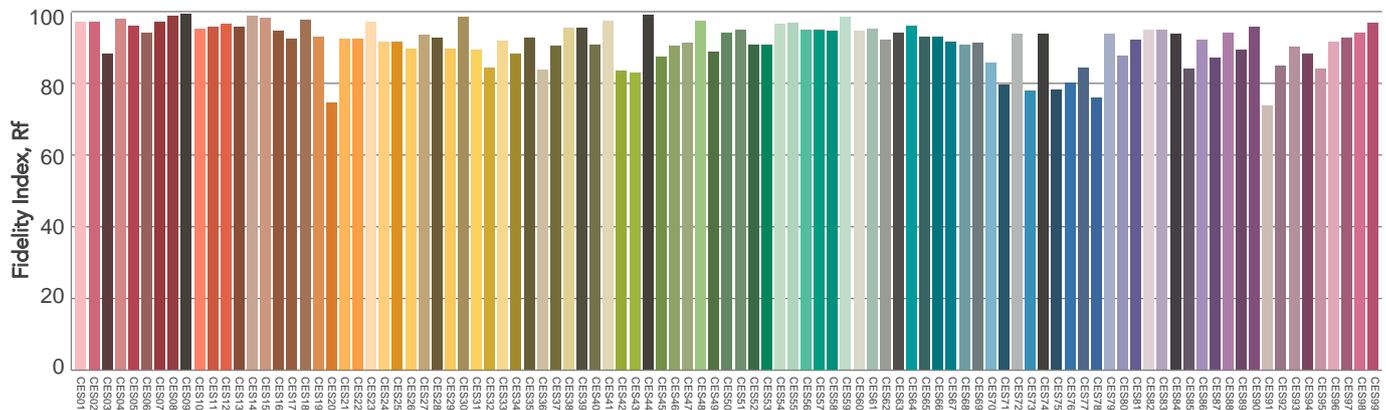
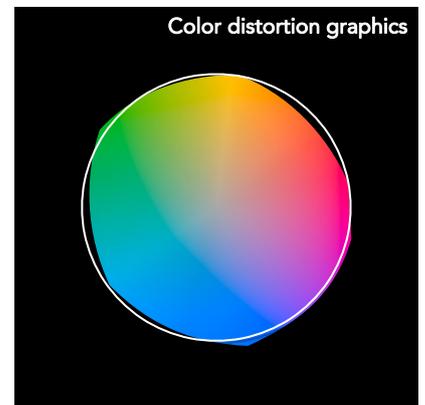
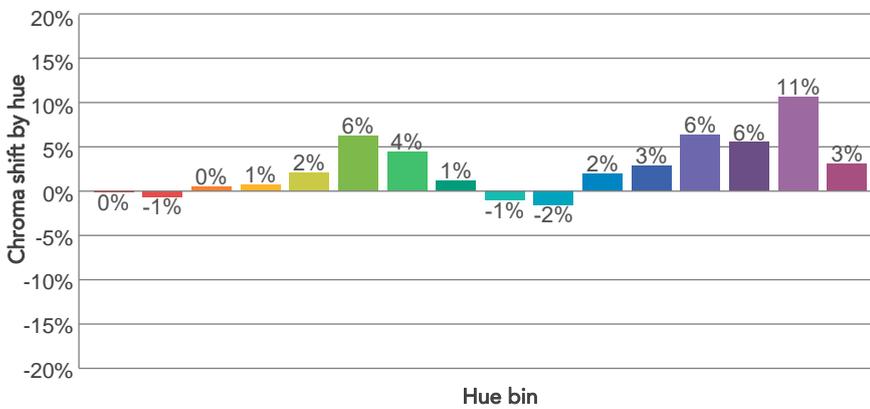
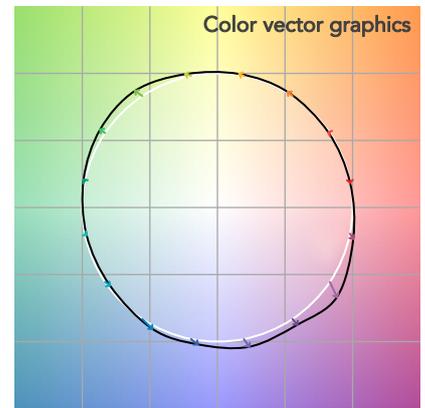
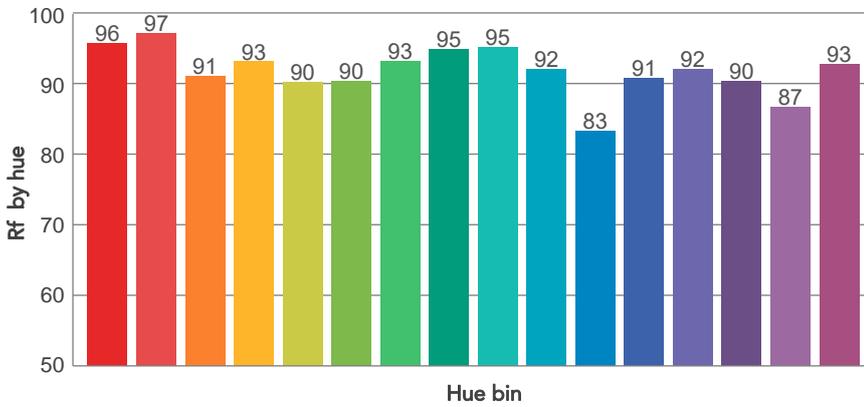
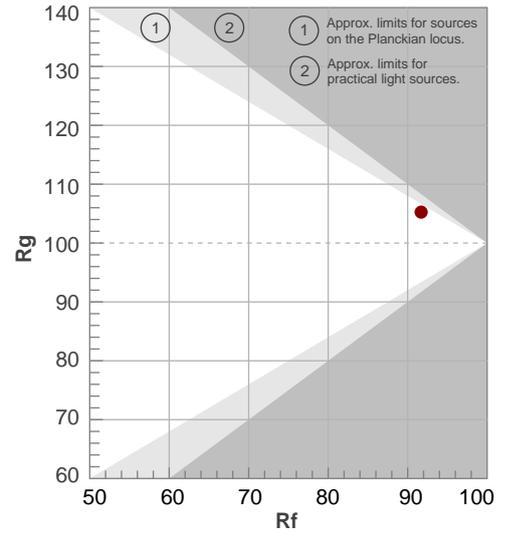
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5204 K	94,5	95,4	91,7	105,3	93,3	92	0,340	0,343	-0,0055

TM30 DETAILS

Rf 91,7
Fidelity index Rf

Rg 105,3
Gammut index

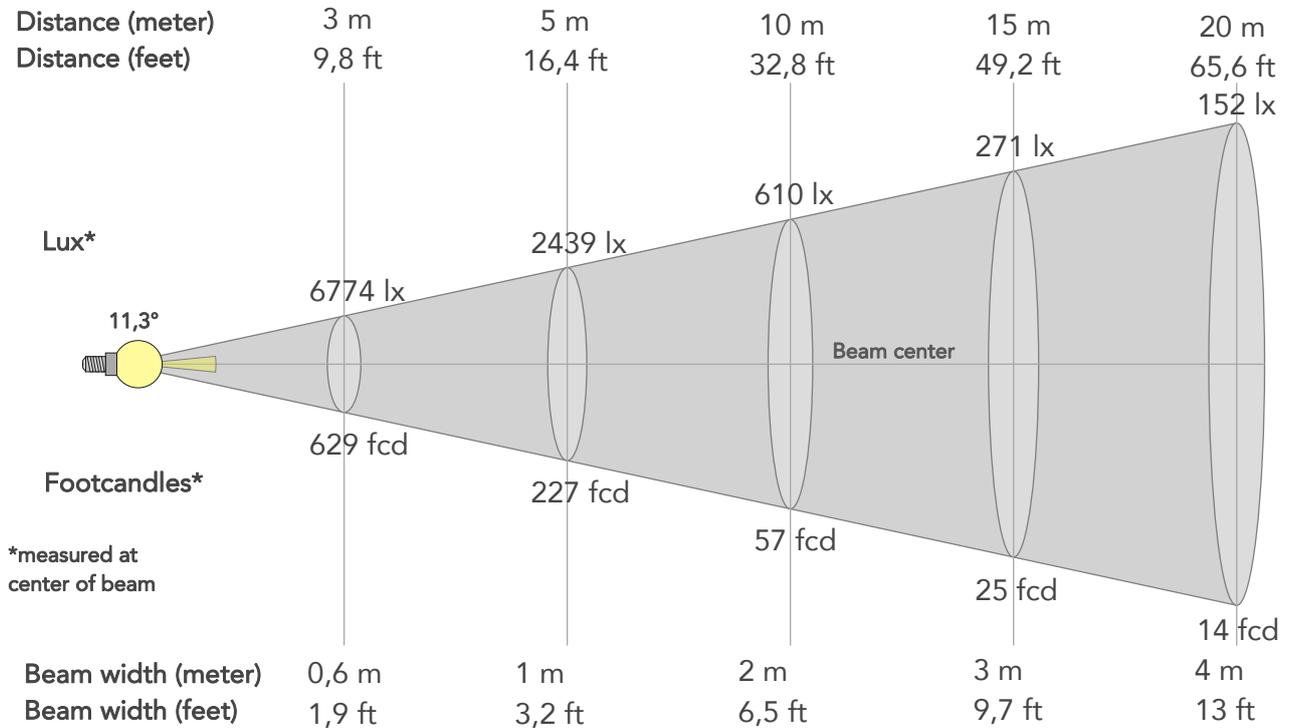
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	-1%	1%
3	91	0%	5%
4	93	1%	4%
5	90	2%	4%
6	90	6%	2%
7	93	4%	0%
8	95	1%	-1%
9	95	-1%	1%
10	92	-2%	4%
11	83	2%	10%
12	91	3%	6%
13	92	6%	3%
14	90	6%	1%
15	87	11%	-6%
16	93	3%	-3%



BEAM DETAILS



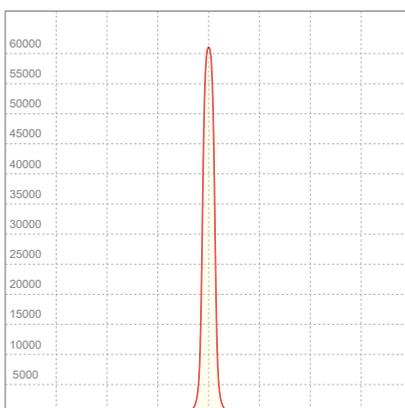
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,2°	24,7°	99,9%	99,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	60963lx	15241lx	6774lx	3810lx	2439lx	1084lx	610lx	271lx	152lx	98lx	68lx	38lx	24lx
Footcand.	5664fcd	1416fcd	629fcd	354fcd	227fcd	101fcd	57fcd	25fcd	14fcd	9fcd	6fcd	4fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	4,9m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,5ft	25,9ft	32,4ft

LINEAR DISTRIBUTION DIAGRAM

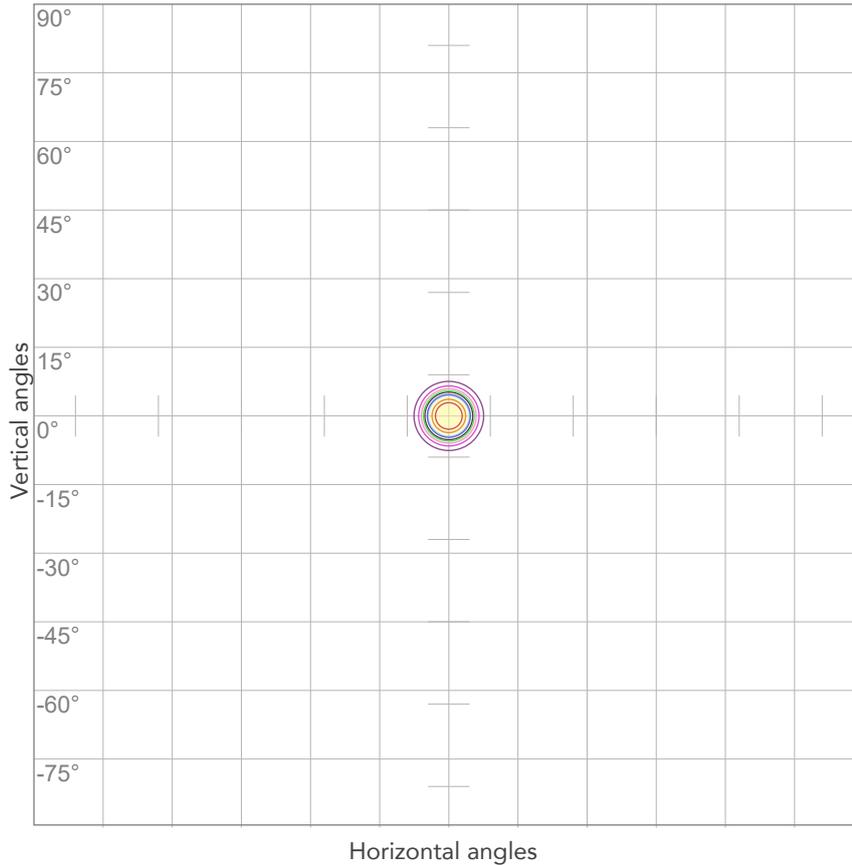


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,579A	128,5W	0,99	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



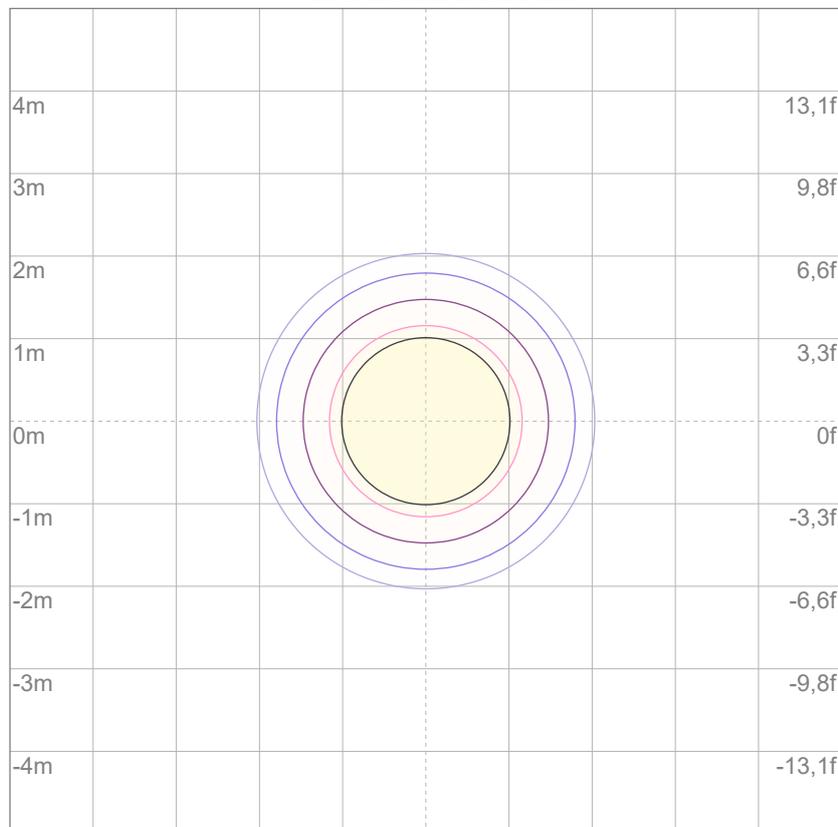
10%	6096 cd
20%	12193 cd
30%	18289 cd
40%	24385 cd
50%	30482 cd
60%	36578 cd
70%	42674 cd
80%	48771 cd

Conditions:

Number of c-planes: 2

Candela at center: 60963 cd

ISO LUX DIAGRAM



3%	18,3 lx
5%	30,5 lx
10%	61,0 lx
30%	183 lx
50%	305 lx

Conditions:

Number of c-planes: 2

Lux at center: 610 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

3858 lm

Peak candela output:

5699 cd

Light quality:

CRI: 94,4

Color temperature:

5729 K

PRODUCT NAME:

ECLFRCTPXS

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

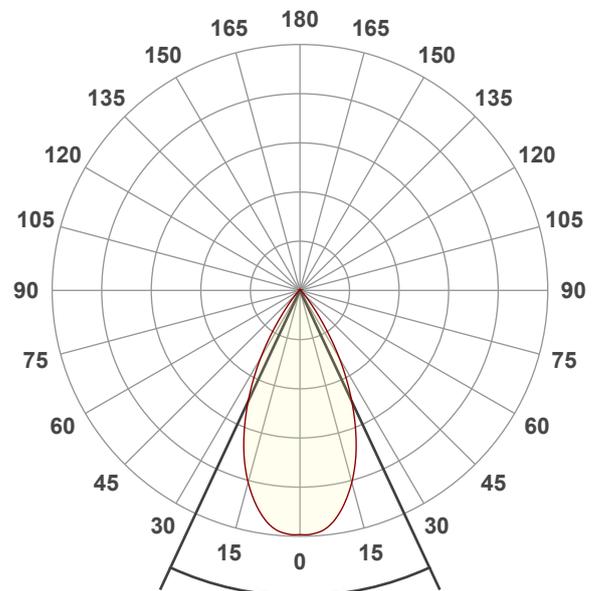
6000K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 13:13:19

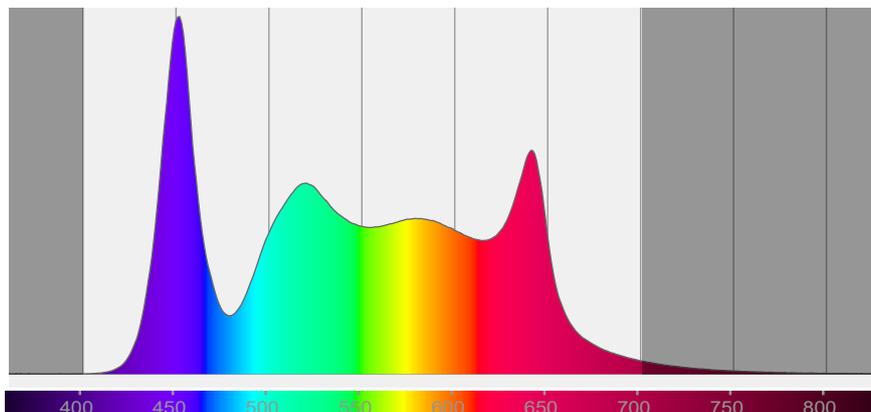


Beam angle 50%: 49,7°

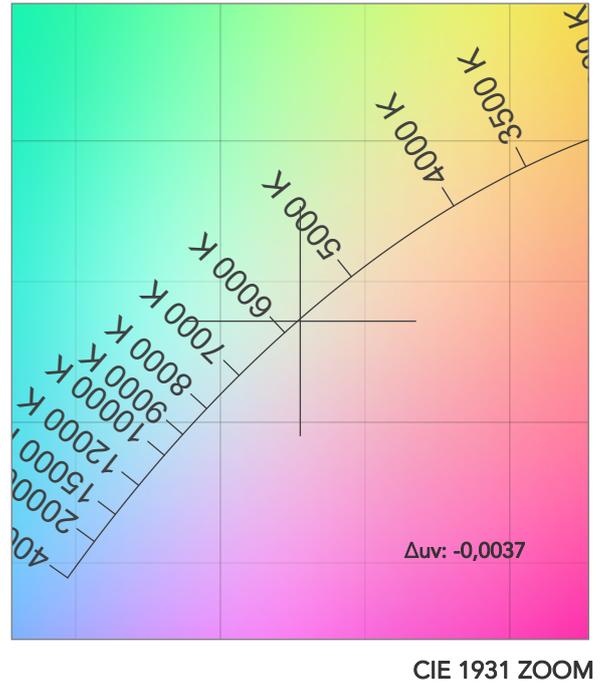
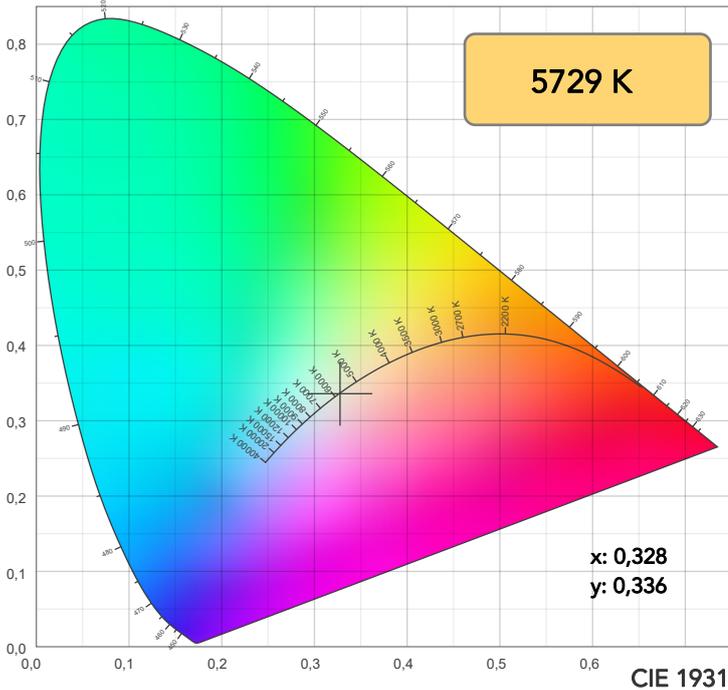
Field angle 10%: 74,8°

Cut off angle 2.5%: 91,4°

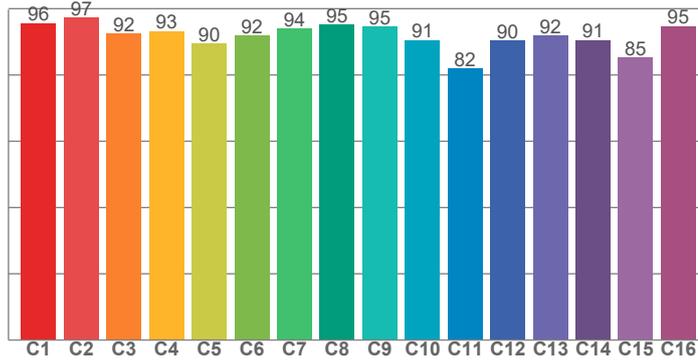
Spectra



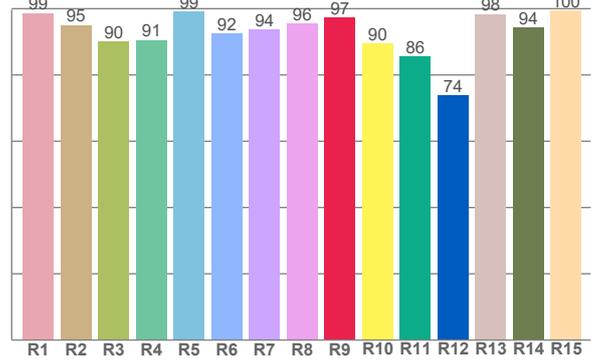
COLOR DETAILS



TM30: 91,6



CRI: 94,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,7	95,1	90,1	90,6	99,1	92,5	93,8	95,6	97,2	89,6	85,6	73,8	98,4	94,4	99,6

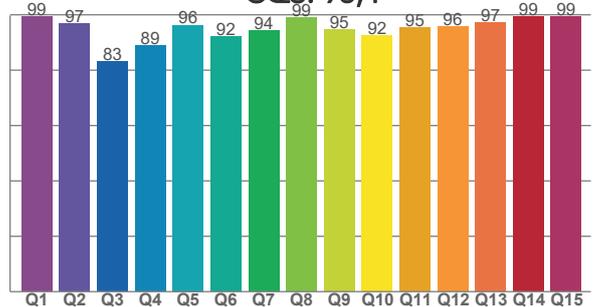
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,3	92,5	93,2	89,5	91,9	94,0	95,2	94,7	90,5	81,9	90,4	91,9	90,5	85,3	94,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,2	96,8	83,2	88,9	96,2	92,1	94,3	99,1	94,6	92,4	95,3	95,8	97,2	99,4	99,3

CQS: 93,4



COLOR PARAMETERS

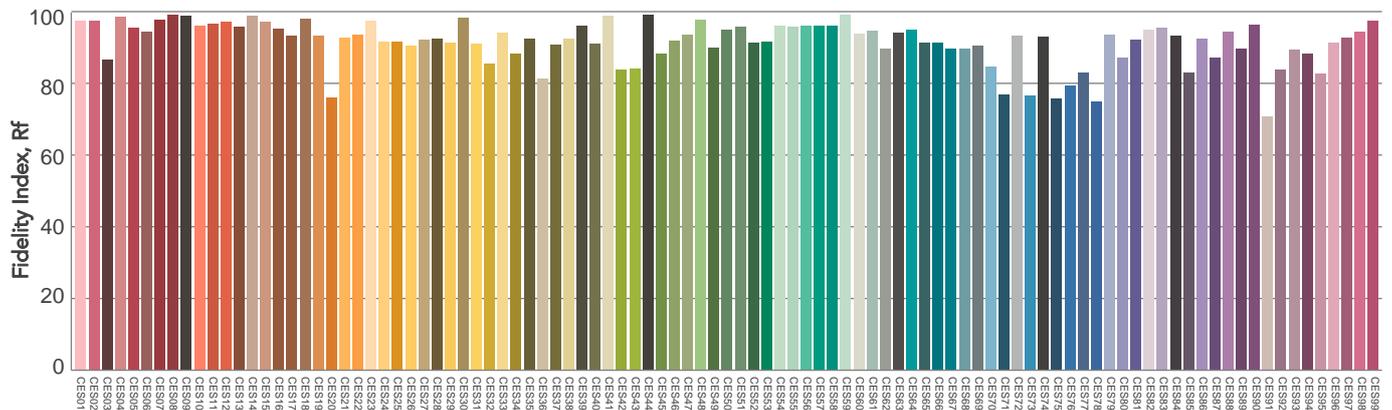
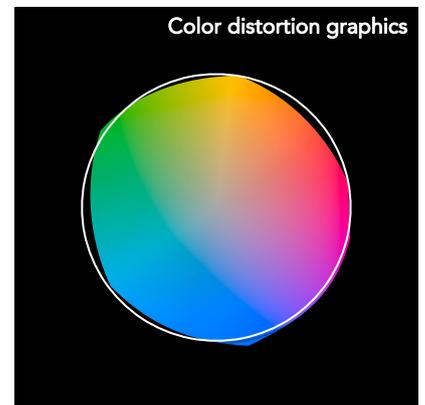
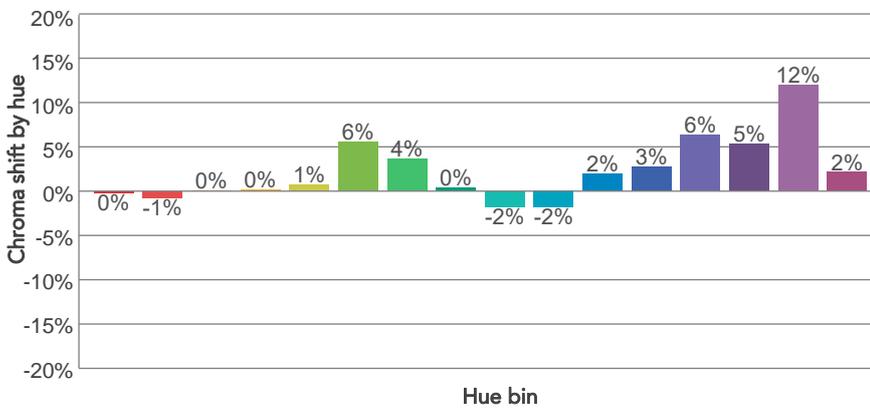
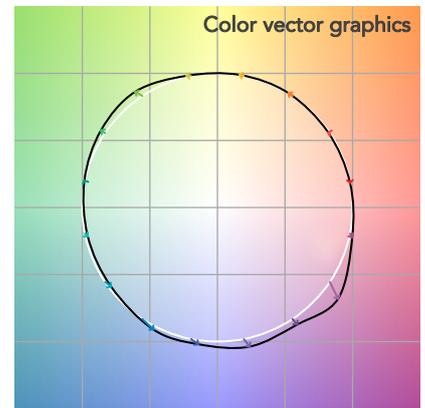
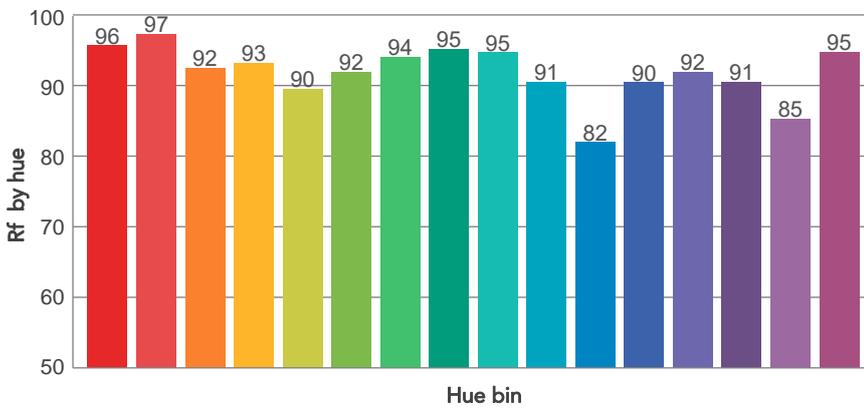
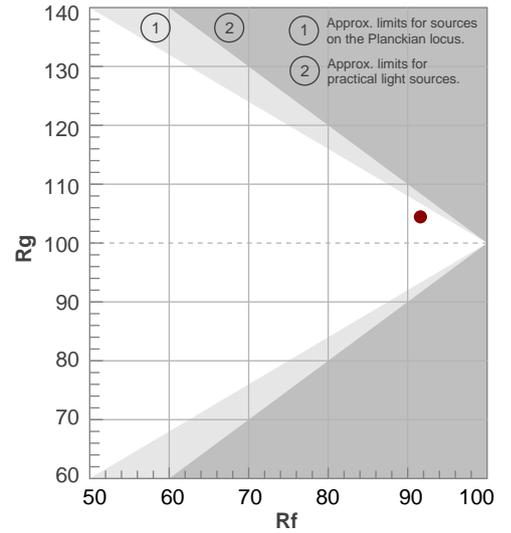
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5729 K	94,4	97,2	91,6	104,4	93,4	93	0,328	0,336	-0,0037

TM30 DETAILS

Rf 91,6
Fidelity index Rf

Rg 104,4
Gammut index

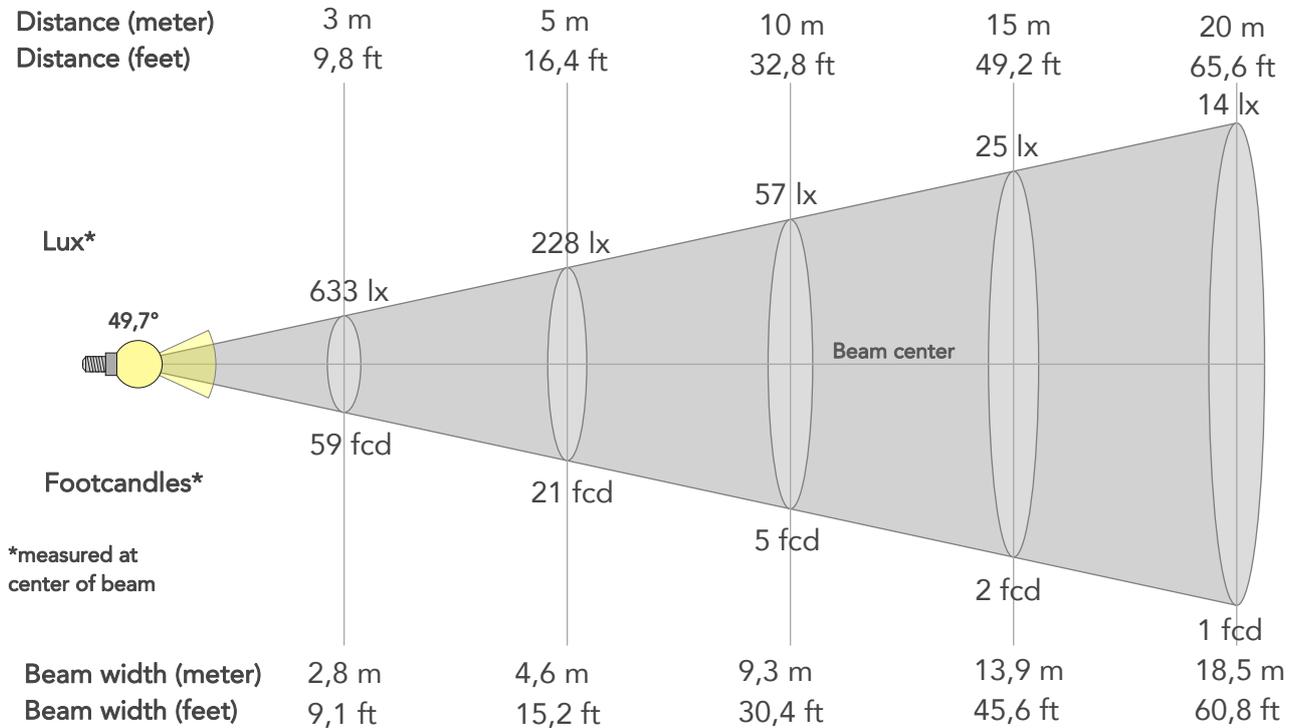
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	-1%	1%
3	92	0%	4%
4	93	0%	3%
5	90	1%	3%
6	92	6%	3%
7	94	4%	0%
8	95	0%	-1%
9	95	-2%	2%
10	91	-2%	5%
11	82	2%	11%
12	90	3%	6%
13	92	6%	3%
14	91	5%	1%
15	85	12%	-7%
16	95	2%	-2%



BEAM DETAILS



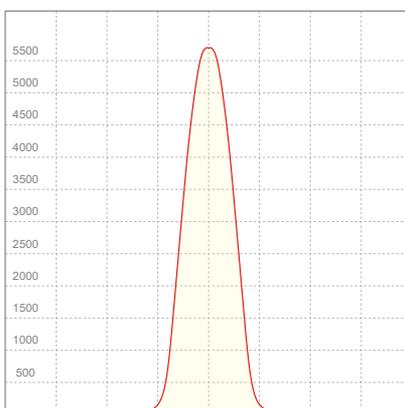
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
49,7°	74,8°	91,4°	99,6%	97,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5694lx	1424lx	633lx	356lx	228lx	101lx	57lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	529fcd	132fcd	59fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,9m	1,9m	2,8m	3,7m	4,6m	7m	9,3m	13,9m	18,5m	23,2m	27,8m	37,1m	46,4m
Beam wid.	3,1ft	6,1ft	9,1ft	12,1ft	15,2ft	22,8ft	30,4ft	45,6ft	60,8ft	76ft	91,2ft	121,7ft	152,1ft

LINEAR DISTRIBUTION DIAGRAM

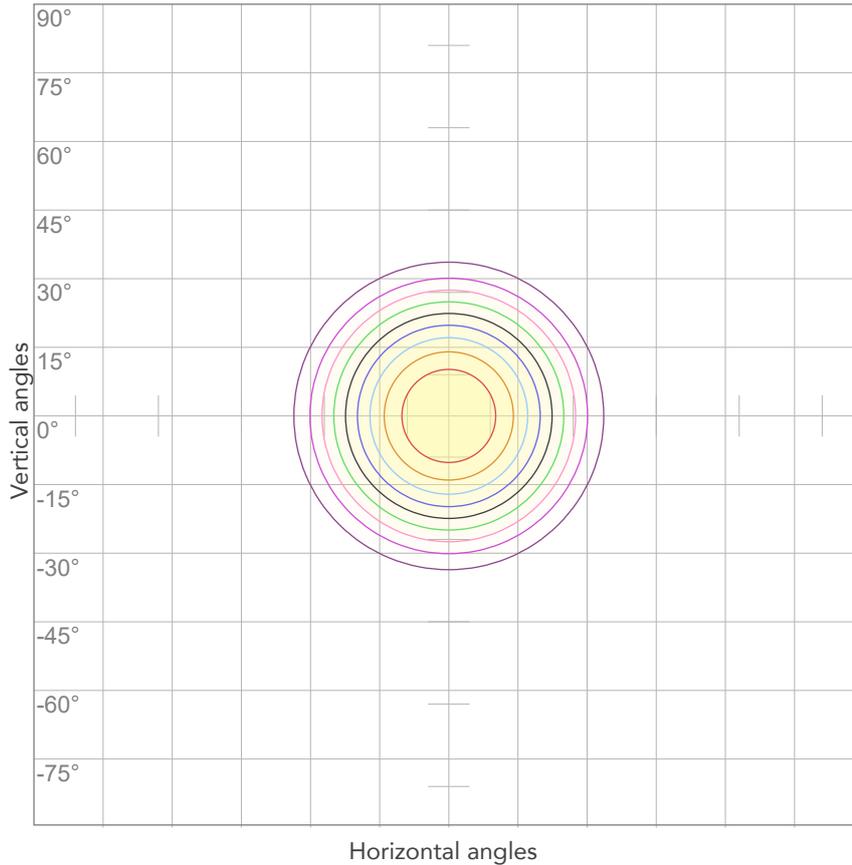


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,577A	127,3W	0,99	30lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



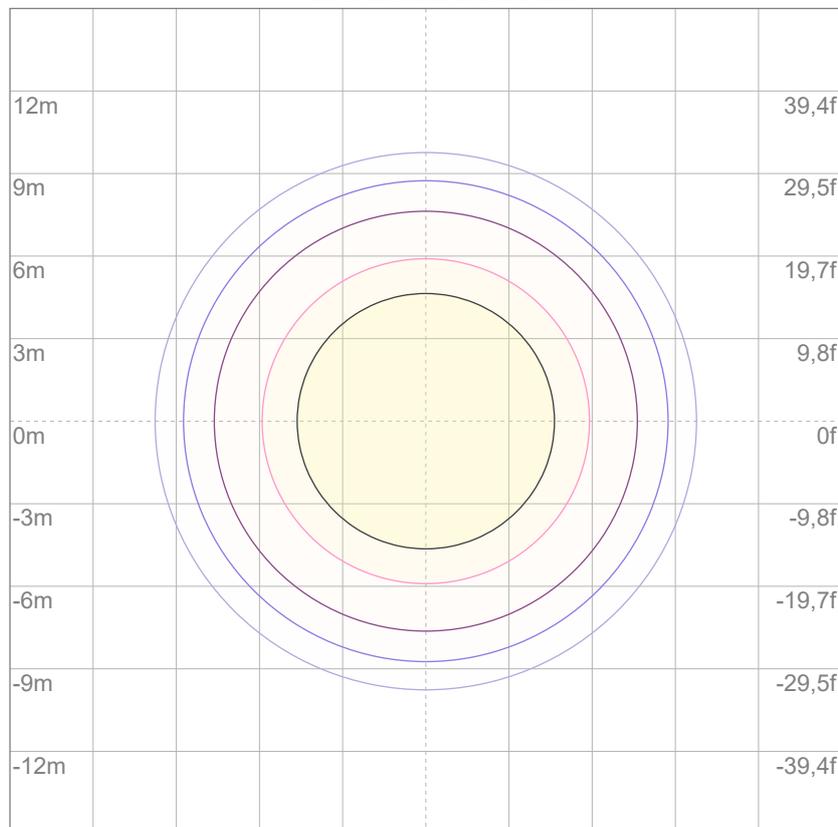
10%	569 cd
20%	1139 cd
30%	1708 cd
40%	2278 cd
50%	2847 cd
60%	3417 cd
70%	3986 cd
80%	4555 cd

Conditions:

Number of c-planes: 2

Candela at center: 5694 cd

ISO LUX DIAGRAM



3%	1,71 lx
5%	2,85 lx
10%	5,69 lx
30%	17,1 lx
50%	28,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 56,9 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

2584 lm

Peak candela output:

60898 cd

Light quality:

CRI: 94,2

Color temperature:

5654 K

PRODUCT NAME:

ECLFRCTPX5

MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

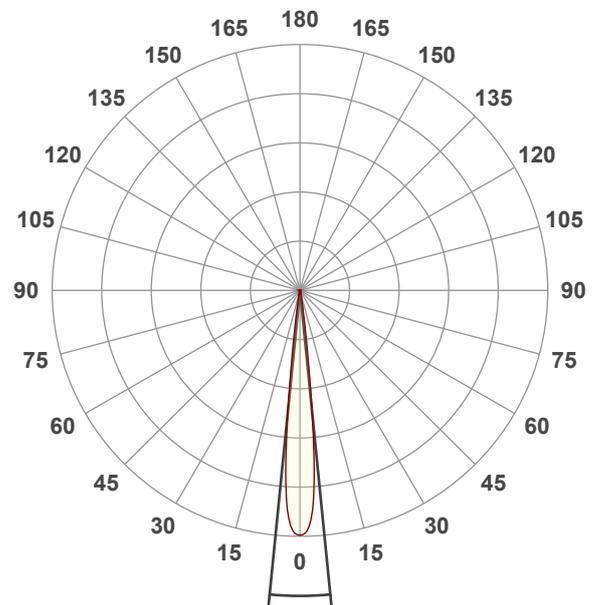
6000K

Operator:

Salvatore Giglio

Date and time:

22/01/2025 13:11:34

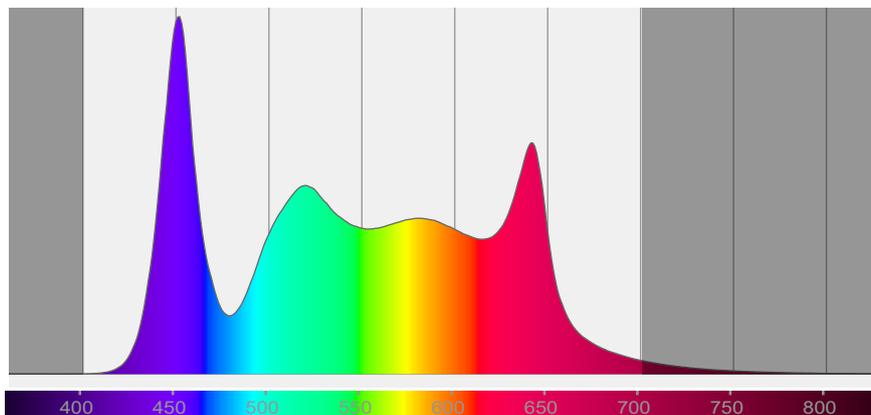


Beam angle 50%: 11,3°

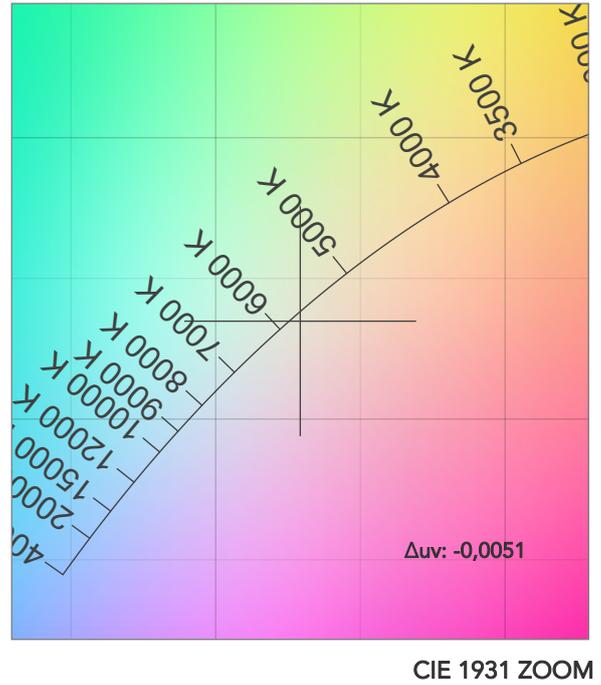
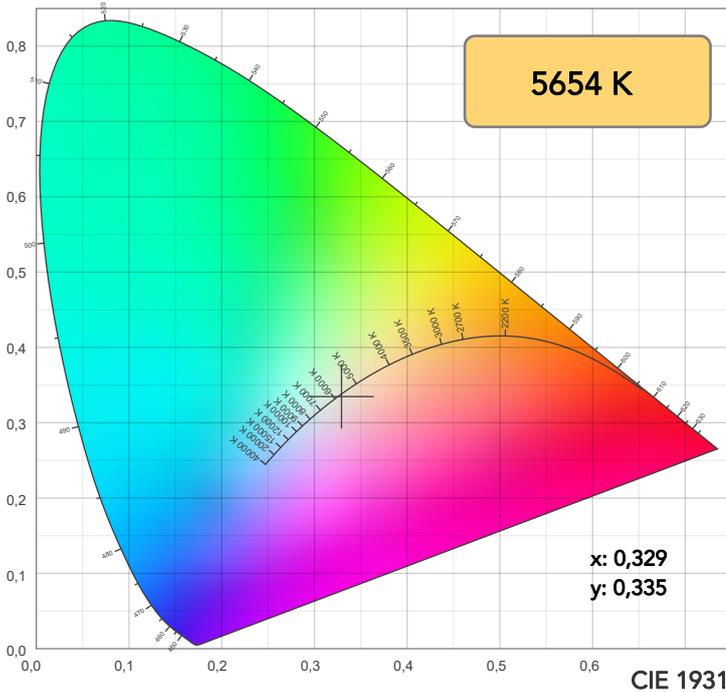
Field angle 10%: 17,3°

Cut off angle 2.5%: 24,7°

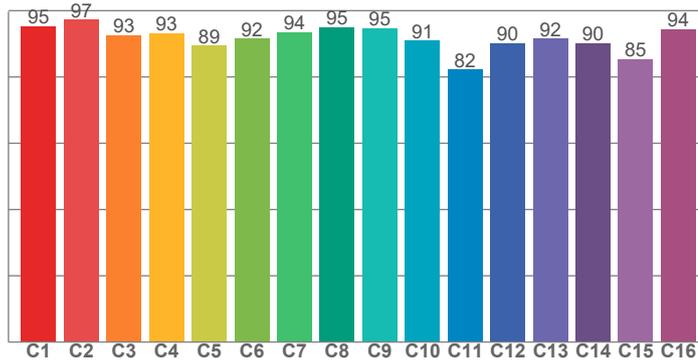
Spectra



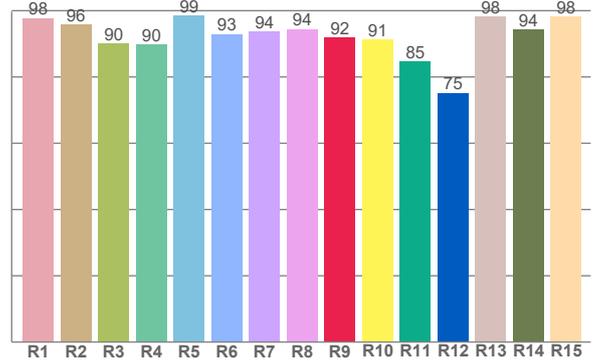
COLOR DETAILS



TM30: 91,6



CRI: 94,2 (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
97,8	95,8	90,2	89,9	98,6	93,0	93,8	94,5	91,9	91,2	84,6	75,2	98,3	94,3	98,2

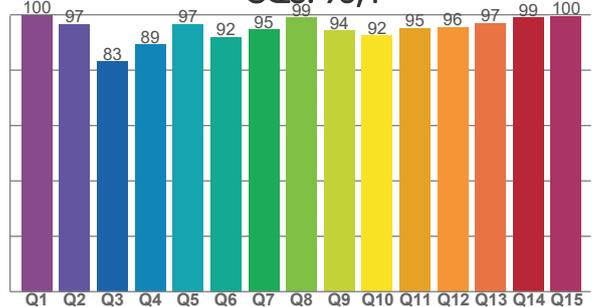
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	97,2	92,6	93,3	89,4	91,5	93,5	95,1	94,8	91,0	82,2	90,3	91,7	90,2	85,4	94,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,8	96,6	83,1	89,2	96,6	92,0	94,7	99,0	94,2	92,4	95,3	95,6	97,0	98,9	99,6

CQS: 93,4



COLOR PARAMETERS

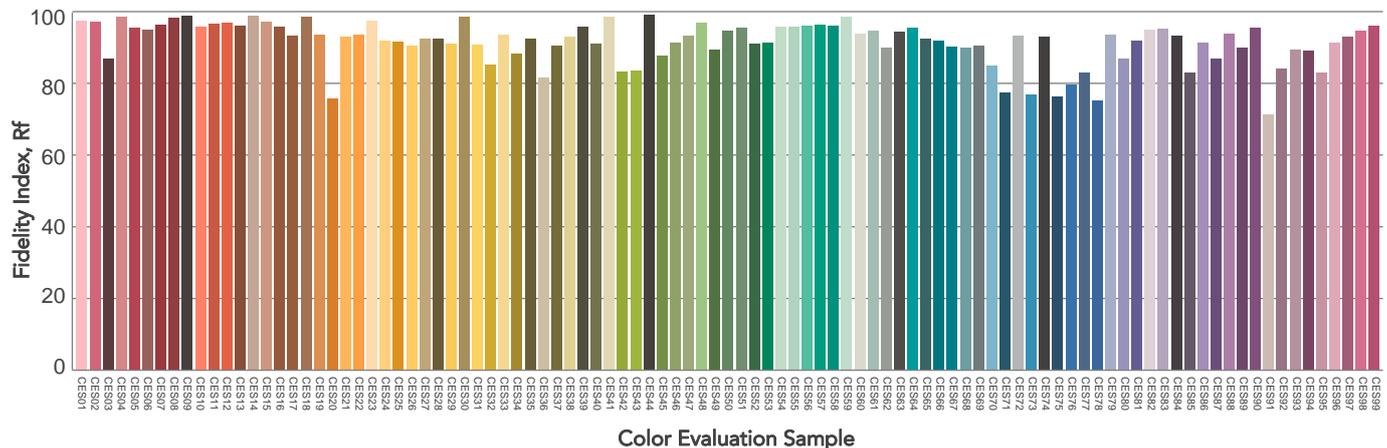
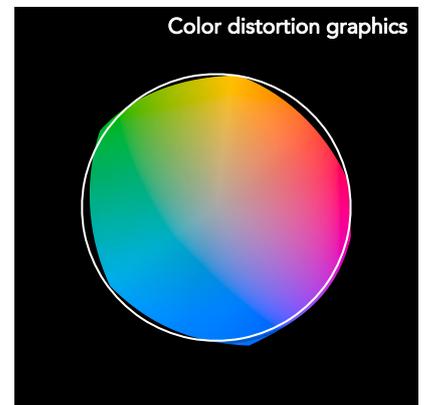
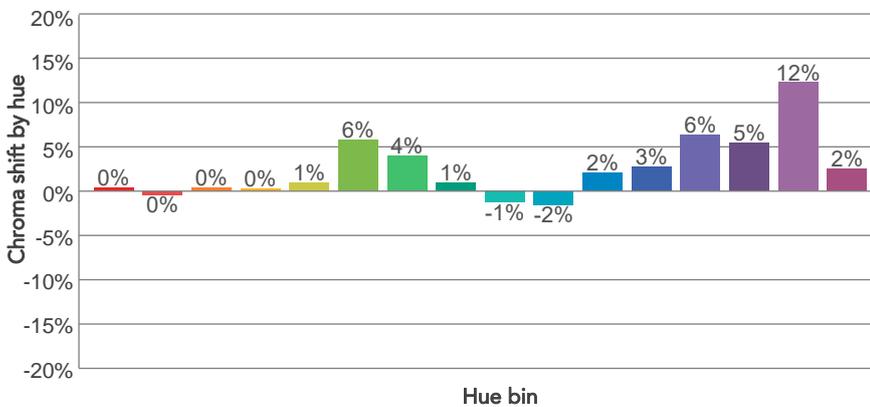
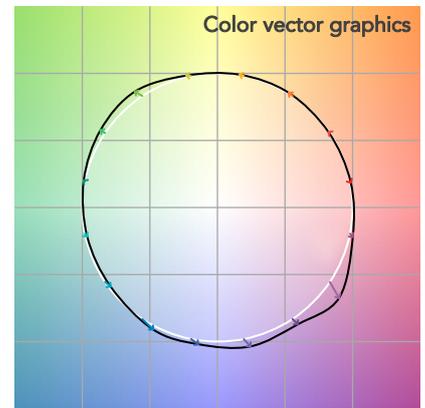
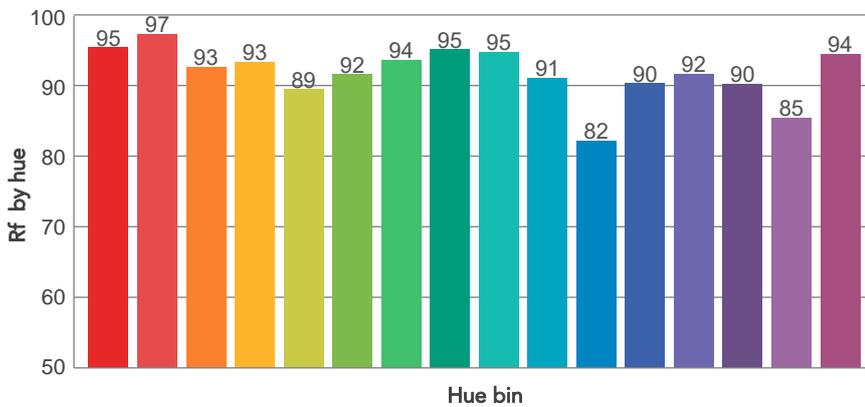
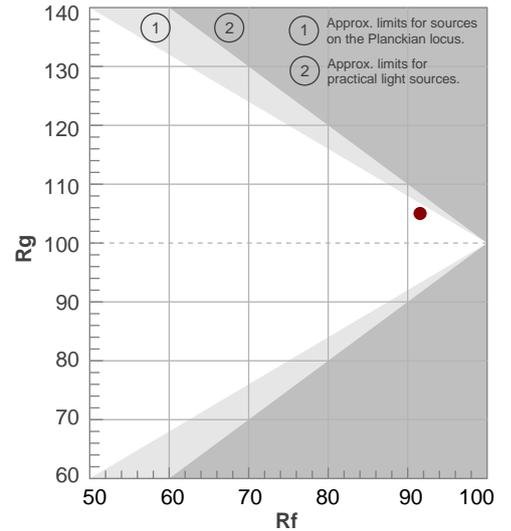
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5654 K	94,2	91,9	91,6	105,0	93,4	93	0,329	0,335	-0,0051

TM30 DETAILS

Rf 91,6
Fidelity index Rf

Rg 105,0
Gammut index

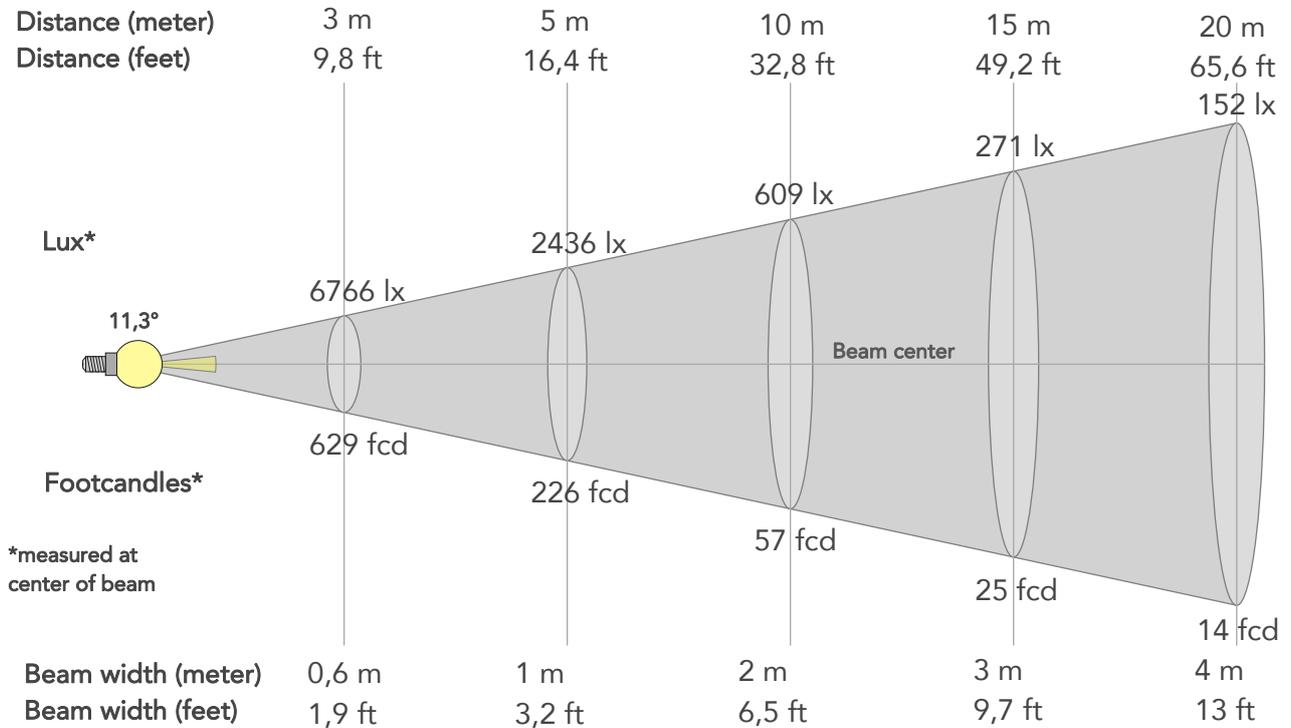
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-1%
2	97	0%	1%
3	93	0%	4%
4	93	0%	3%
5	89	1%	3%
6	92	6%	3%
7	94	4%	0%
8	95	1%	-1%
9	95	-1%	2%
10	91	-2%	5%
11	82	2%	11%
12	90	3%	6%
13	92	6%	4%
14	90	5%	1%
15	85	12%	-6%
16	94	2%	-2%



BEAM DETAILS



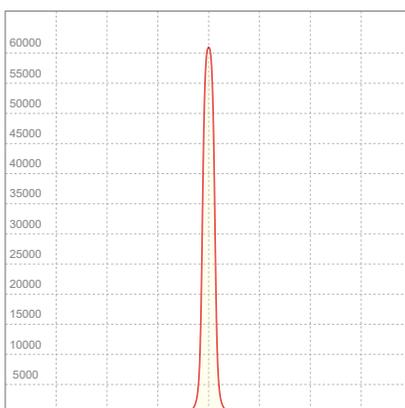
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,3°	17,3°	24,7°	99,8%	99,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	60898lx	15225lx	6766lx	3806lx	2436lx	1083lx	609lx	271lx	152lx	97lx	68lx	38lx	24lx
Footcand.	5658fcd	1414fcd	629fcd	354fcd	226fcd	101fcd	57fcd	25fcd	14fcd	9fcd	6fcd	4fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	3m	4m	5m	5,9m	7,9m	9,9m
Beam wid.	0,7ft	1,3ft	1,9ft	2,6ft	3,2ft	4,9ft	6,5ft	9,7ft	13ft	16,2ft	19,5ft	26ft	32,5ft

LINEAR DISTRIBUTION DIAGRAM

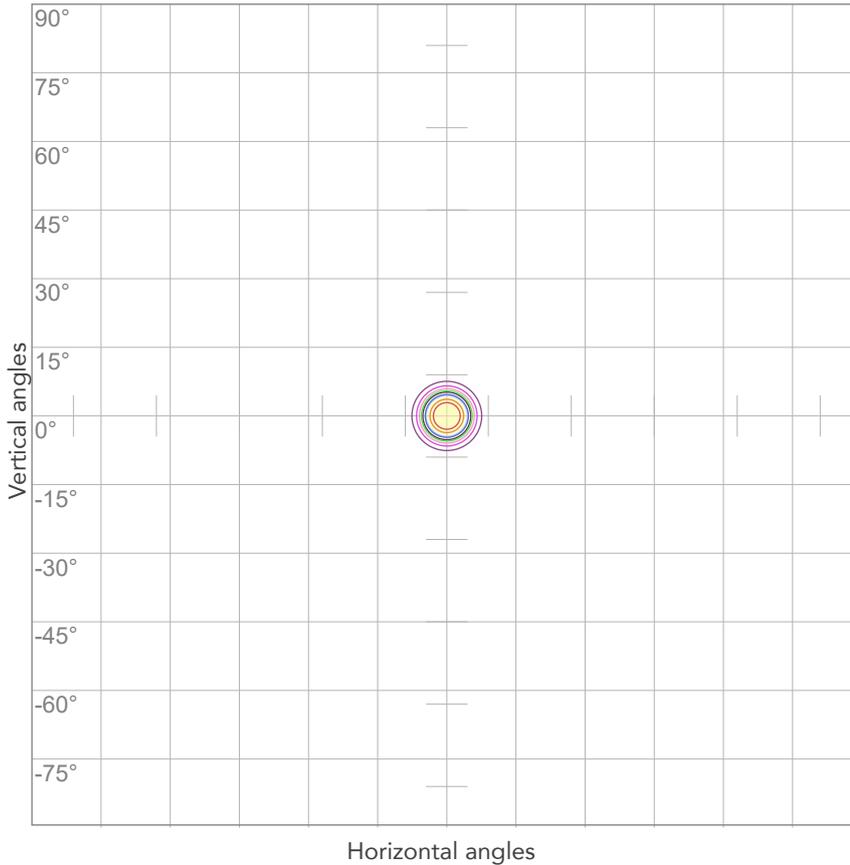


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,578A	127,4W	0,99	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



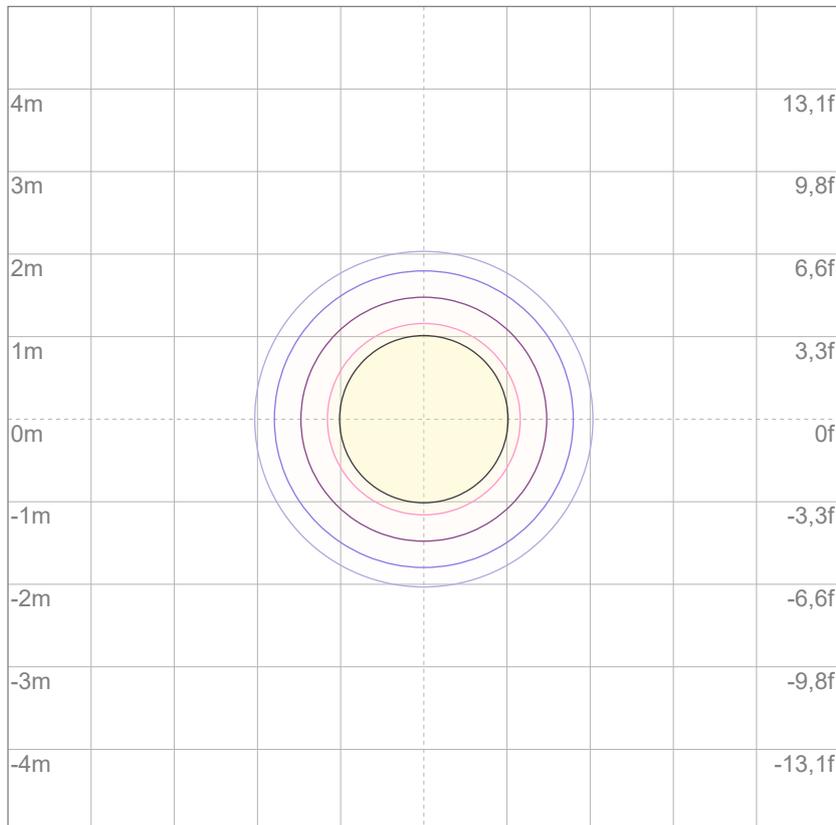
10%	6090 cd
20%	12180 cd
30%	18270 cd
40%	24359 cd
50%	30449 cd
60%	36539 cd
70%	42629 cd
80%	48719 cd

Conditions:

Number of c-planes: 2

Candela at center: 60898 cd

ISO LUX DIAGRAM



3%	18,3 lx
5%	30,4 lx
10%	60,9 lx
30%	183 lx
50%	304 lx

Conditions:

Number of c-planes: 2

Lux at center: 609 lx

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

Mounting height: 10 meters (33 feet)