

Photometric Test Report



EclFresnel CT+LIP

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

CONTENTS

Table of contents	2
Testing process	4
Color preset Full on	
Max Zoom	5
Med Zoom	10
Min Zoom	15
Color preset Red	
Max Zoom	20
Med Zoom	23
Min Zoom	26
Color preset Green	
Max Zoom	29
Med Zoom	32
Min Zoom	35
Color preset Blue	
Max Zoom	38
Med Zoom	41
Min Zoom	44
Color preset Cyan	
Max Zoom	47
Med Zoom	50
Min Zoom	53
Color preset Mint	
Max Zoom	56
Med Zoom	59
Min Zoom	62
Color preset Amber	
Max Zoom	65
Med Zoom	68
Min Zoom	71

Color temperature 2800K

Max Zoom	74
Med Zoom	79
Min Zoom	84

Color temperature 3200K

Max Zoom	89
Med Zoom	94
Min Zoom	99

Color temperature 4000K

Max Zoom	104
Med Zoom	109
Min Zoom	114

Color temperature 5600K

Max Zoom	119
Med Zoom	124
Min Zoom	129

Color temperature 6000K

Max Zoom	134
Med Zoom	139
Min Zoom	144

TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

16165 lm

Peak candela output:

21113 cd

Light quality:

CRI: 94,8

Color temperature:

4401 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

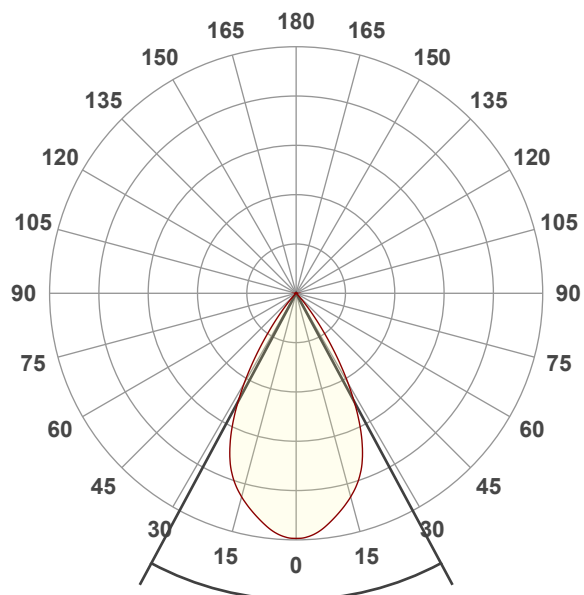
Full On - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 18:03:21

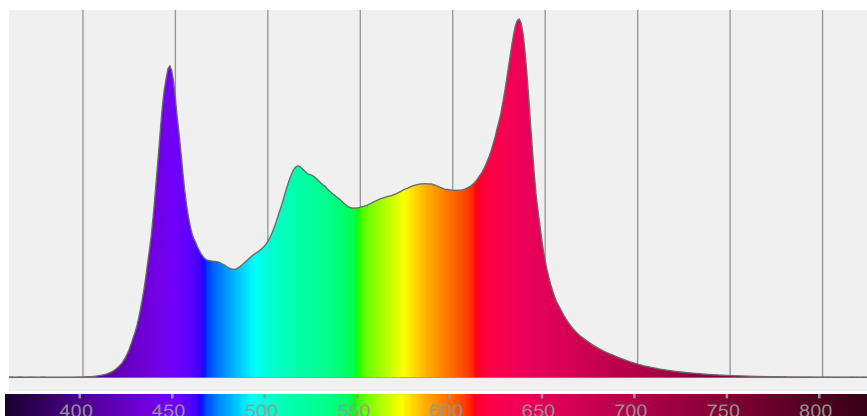


Beam angle 50%: 56,4°

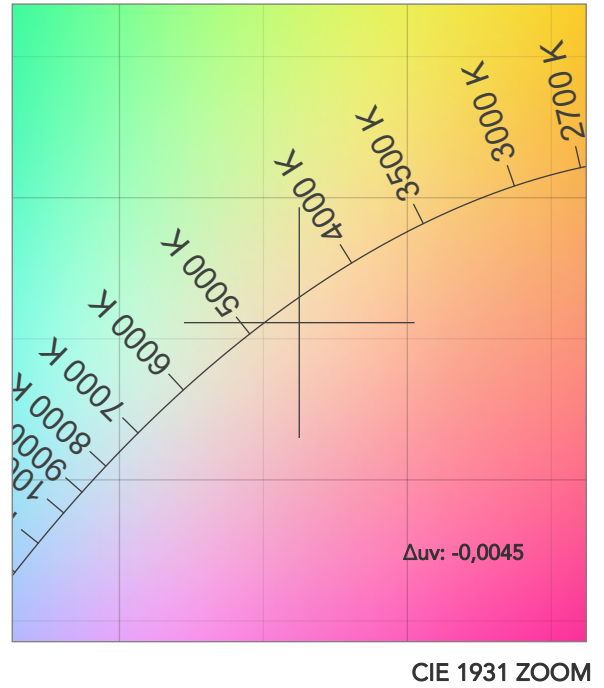
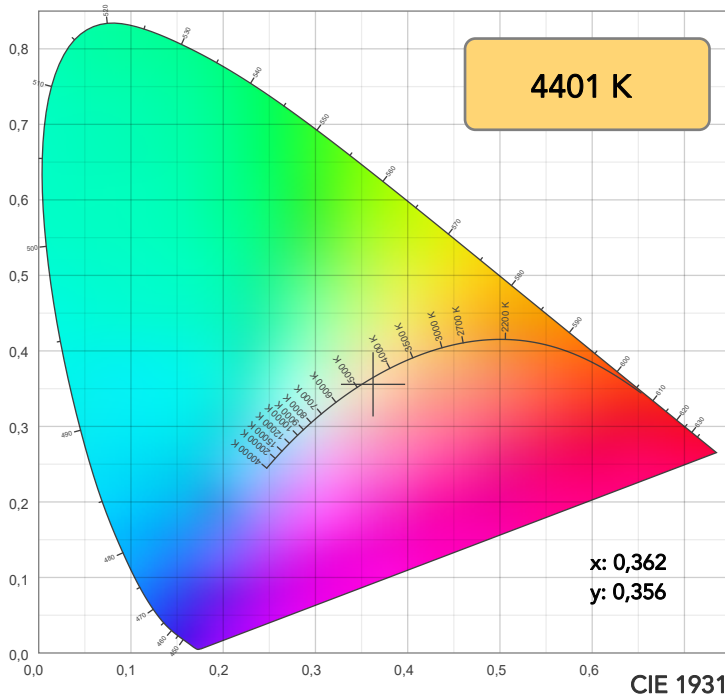
Field angle 10%: 76,9°

Cut off angle 2.5%: 85,6°

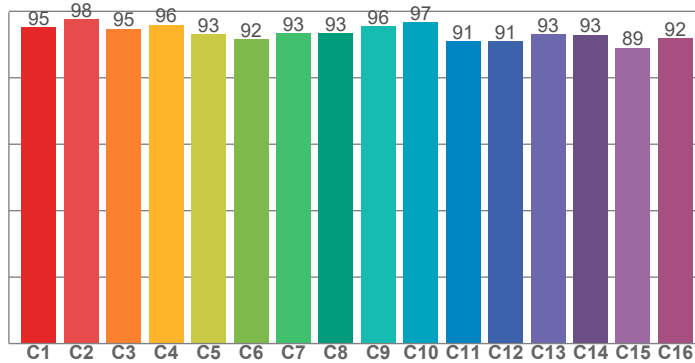
Spectra



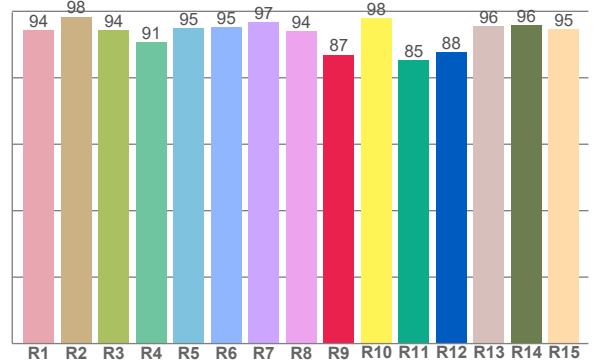
COLOR DETAILS



TM30: 93,8



CRI: 94,8 (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
94,3	98,4	94,4	90,6	94,9	95,3	96,7	93,9	86,9	97,9	85,2	87,6	95,5	95,8	94,7

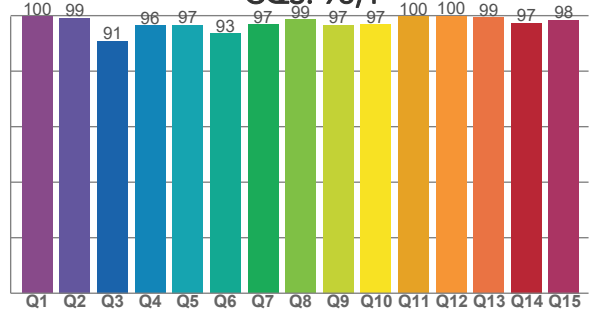
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	97,7	94,7	96,0	93,0	91,6	93,3	93,4	95,6	96,7	90,9	91,0	93,1	92,9	89,1	91,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	99,2	90,8	96,5	96,6	93,5	96,9	98,5	96,6	96,8	99,7	99,8	99,4	97,3	98,5

CQS: 96,4



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
4401 K	94,8	86,9	93,8	105,3	96,4	92	0,362	0,356	-0,0045

TM30 DETAILS

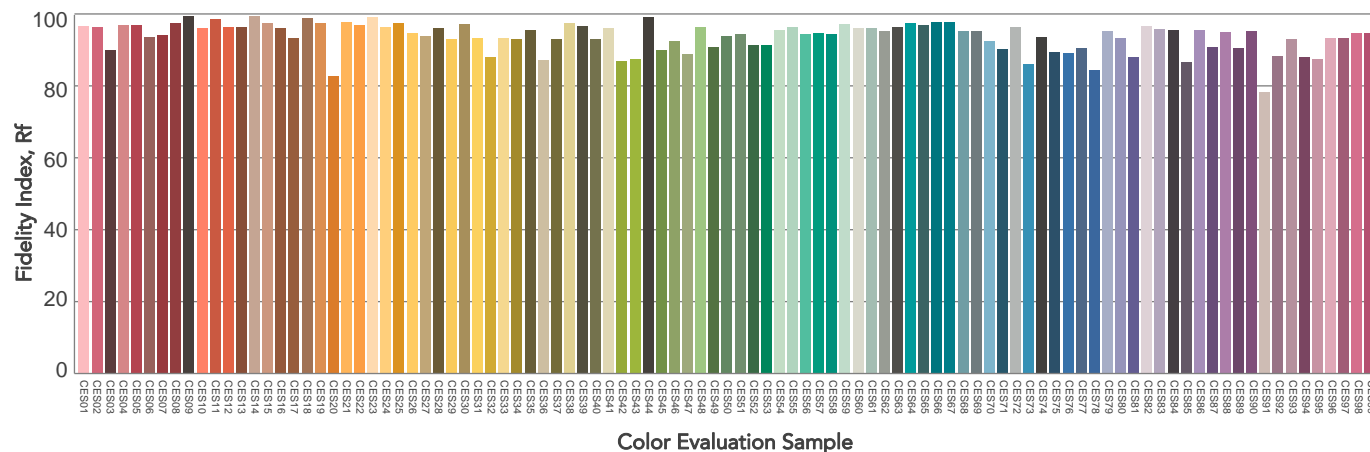
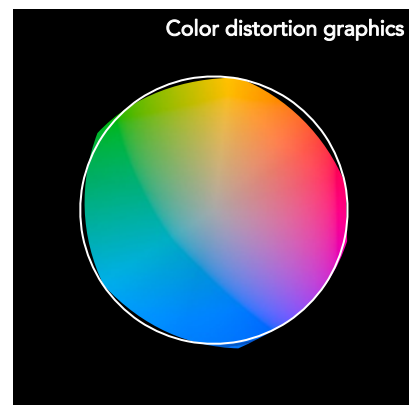
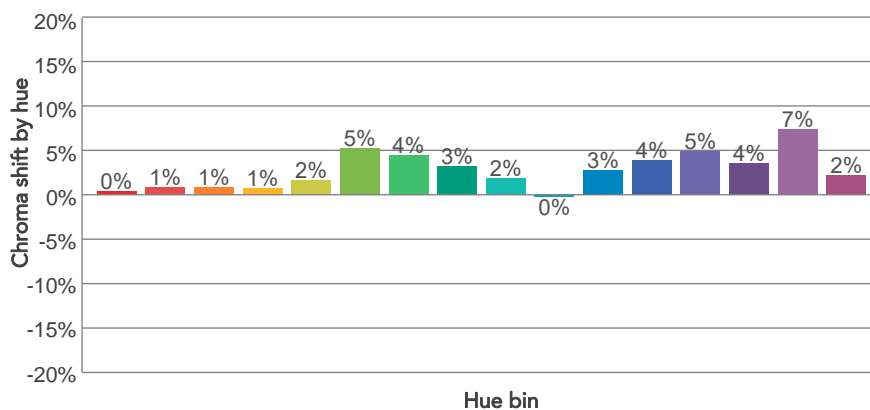
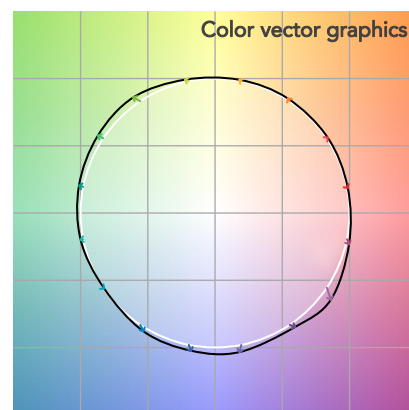
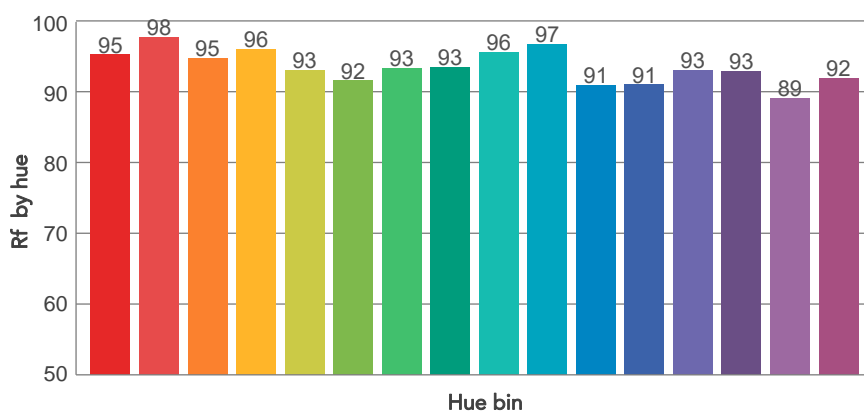
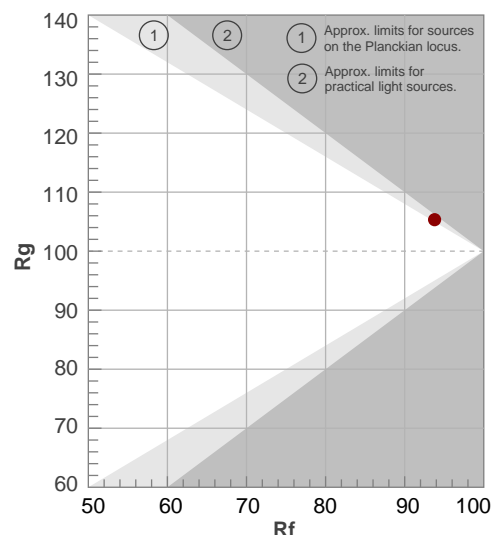
Rf 93,8

Fidelity index Rf

Rg 105,3

Gammut index

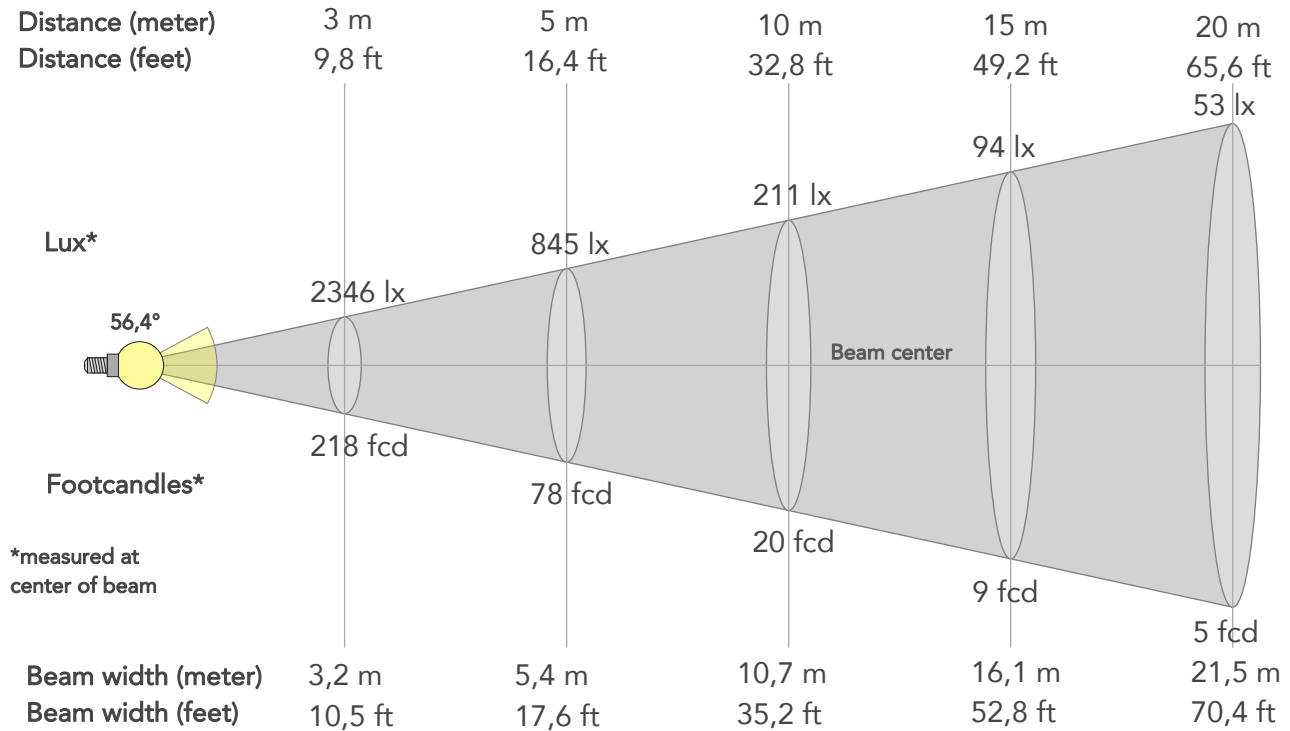
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-1%
2	98	1%	0%
3	95	1%	2%
4	96	1%	1%
5	93	2%	3%
6	92	5%	3%
7	93	4%	0%
8	93	3%	0%
9	96	2%	0%
10	97	0%	1%
11	91	3%	5%
12	91	4%	3%
13	93	5%	-2%
14	93	4%	2%
15	89	7%	-6%
16	92	2%	-3%



BEAM DETAILS



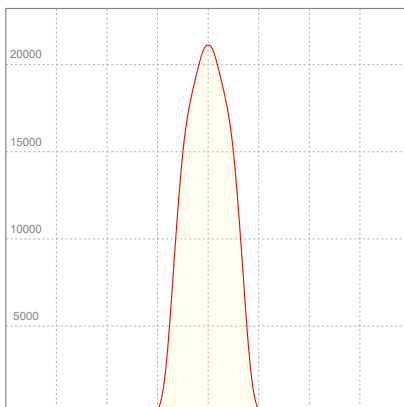
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,4°	76,9°	85,6°	99,7%	99,2%



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	21113lx	5278lx	2346lx	1320lx	845lx	375lx	211lx	94lx	53lx	34lx	23lx	13lx	8lx
Footcand.	1961fcd	490fcd	218fcd	123fcd	78fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,5m	26,8m	32,2m	42,9m	53,6m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,2ft	52,8ft	70,4ft	88ft	105,6ft	140,8ft	176ft

LINEAR DISTRIBUTION DIAGRAM

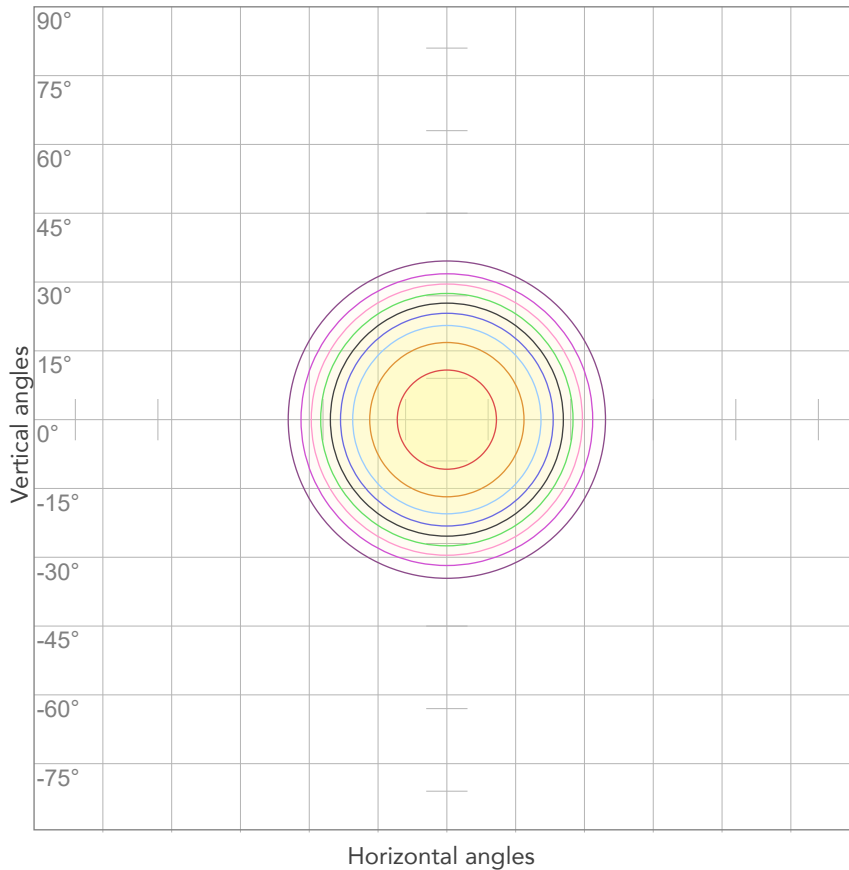


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,49A	557,6W	0,99	29lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



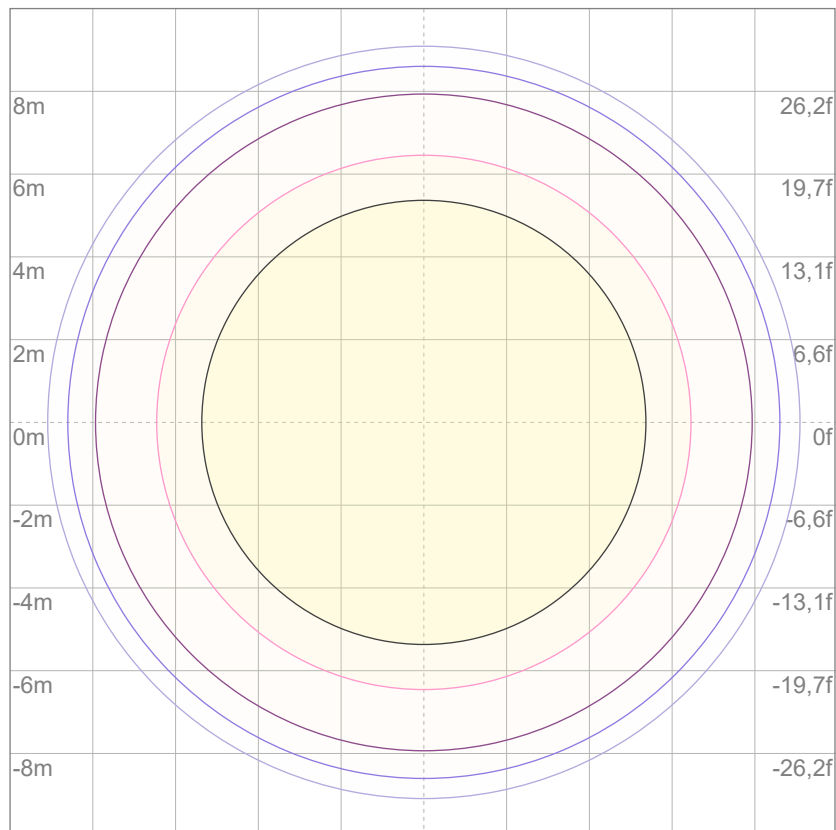
10%	2111 cd
20%	4223 cd
30%	6334 cd
40%	8445 cd
50%	10557 cd
60%	12668 cd
70%	14779 cd
80%	16890 cd

Conditions:

Number of c-planes: 2

Candela at center: 21113 cd

ISO LUX DIAGRAM



3%	6,33 lx
5%	10,6 lx
10%	21,1 lx
30%	63,3 lx
50%	106 lx

Conditions:

Number of c-planes: 2

Lux at center: 211 lx

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



Total lumen output:

13664 lm

Peak candela output:

71768 cd

Light quality:

CRI: 95,1

Color temperature:

4424 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

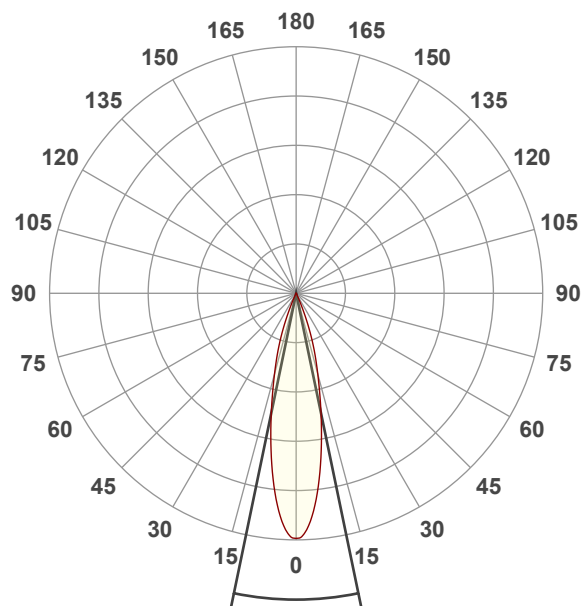
Full On - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 13:58:15

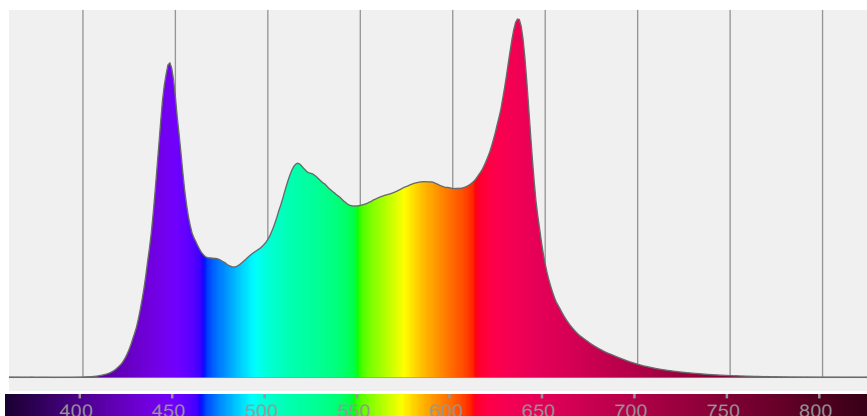


Beam angle 50%: 23,4°

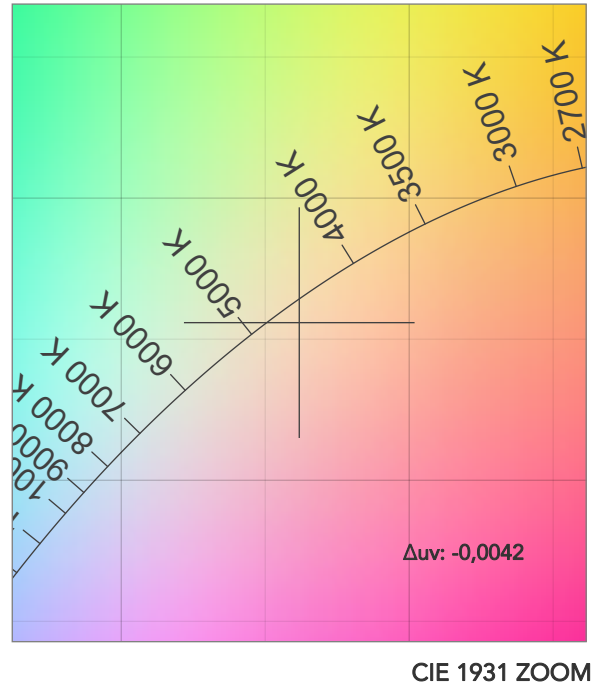
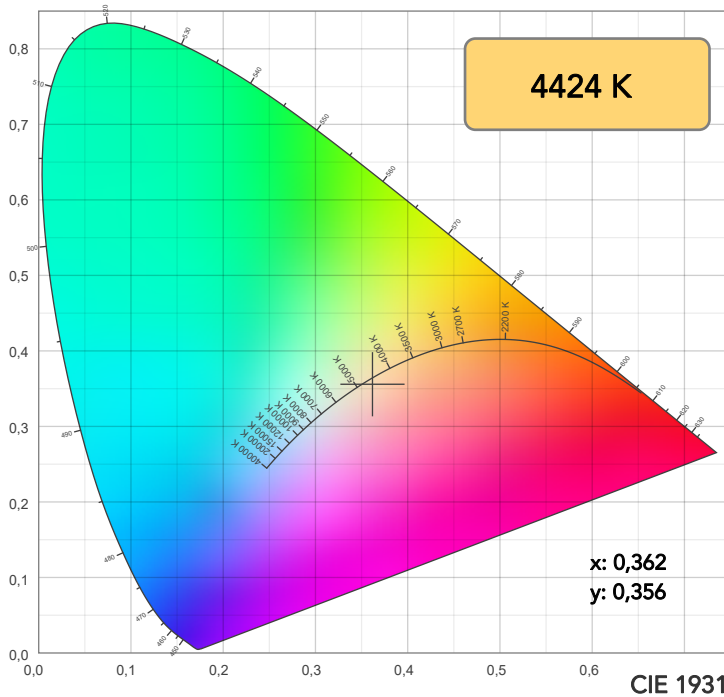
Field angle 10%: 43,3°

Cut off angle 2.5%: 49,8°

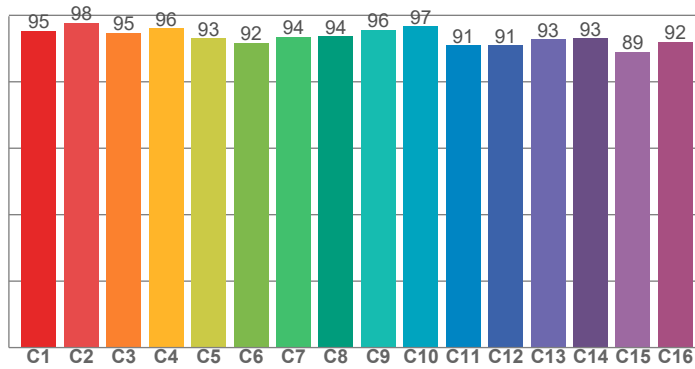
Spectra



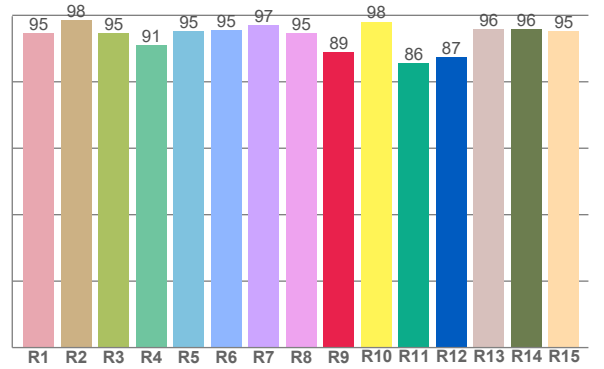
COLOR DETAILS



TM30: 93,9



CRI: 95,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,7	98,5	94,6	91,1	95,2	95,4	96,9	94,7	89,0	98,1	85,7	87,4	95,8	95,9	95,3

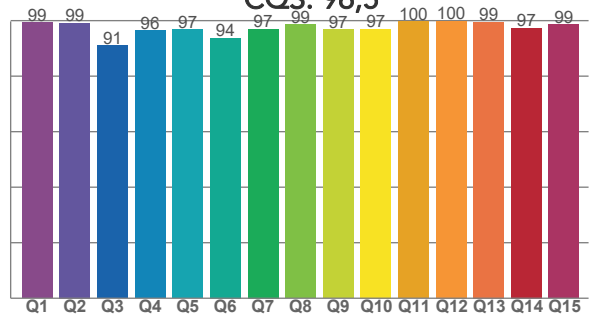
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	99,1	90,9	96,4	96,8	93,8	97,0	98,6	96,8	96,9	99,7	99,8	99,5	97,4	98,6

CQS: 96,5



COLOR PARAMETERS

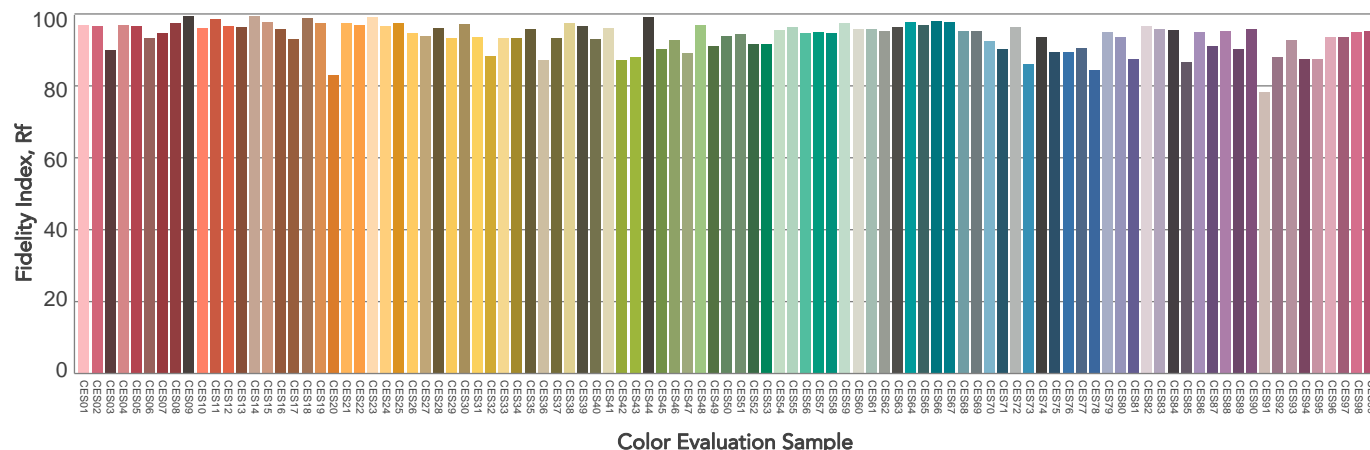
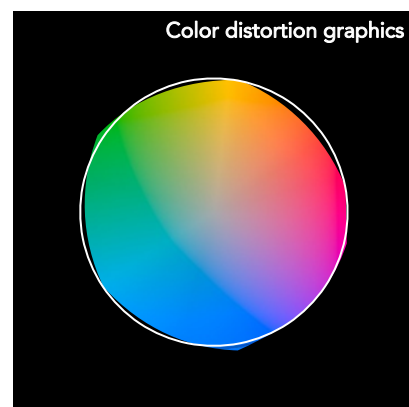
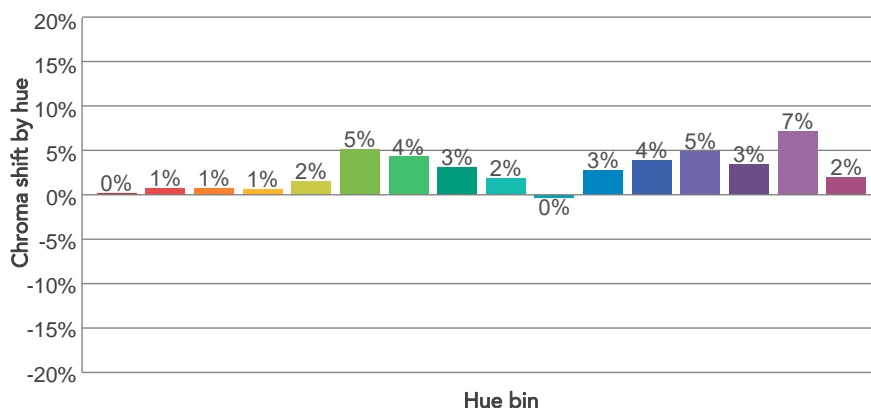
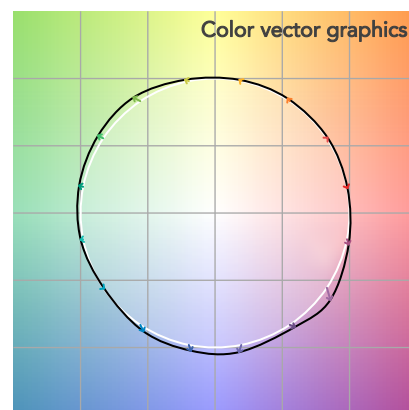
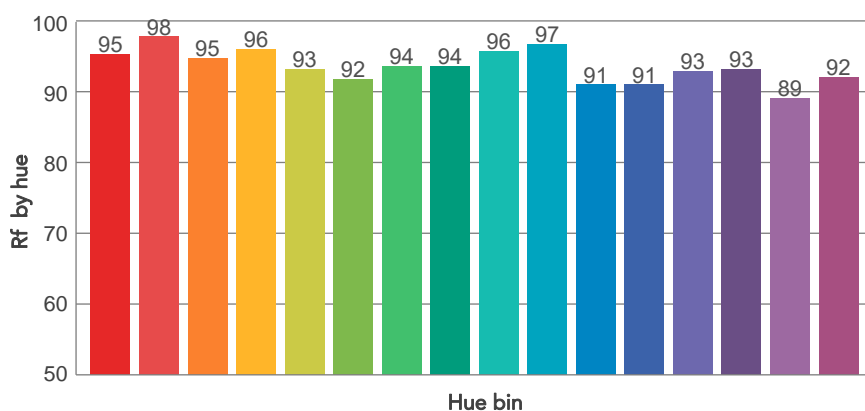
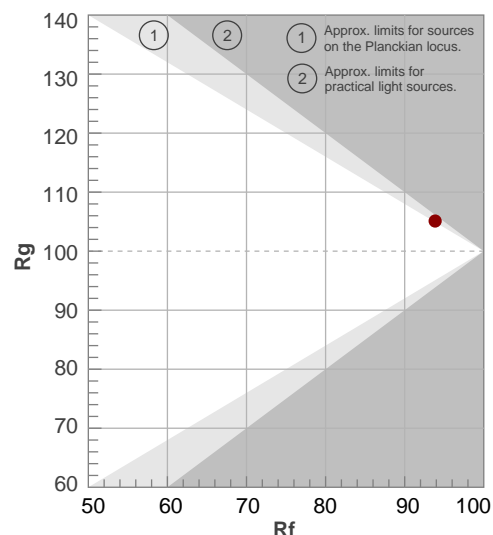
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4424 K	95,1	89,0	93,9	105,1	96,5	92	0,362	0,356	-0,0042

TM30 DETAILS

Rf 93,9
Fidelity index Rf

Rg 105,1
Gammut index

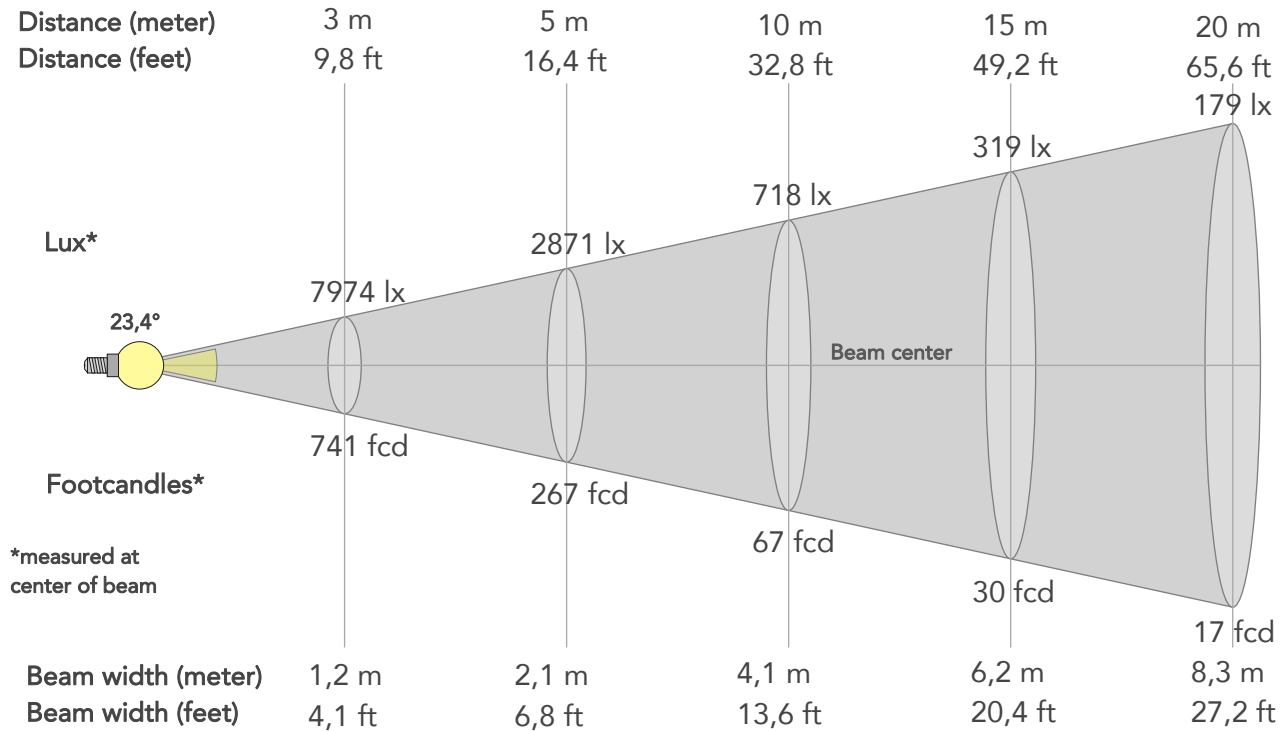
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-1%
2	98	1%	0%
3	95	1%	2%
4	96	1%	1%
5	93	2%	3%
6	92	5%	3%
7	94	4%	0%
8	94	3%	0%
9	96	2%	0%
10	97	0%	1%
11	91	3%	5%
12	91	4%	2%
13	93	5%	-3%
14	93	3%	2%
15	89	7%	-6%
16	92	2%	-3%



BEAM DETAILS



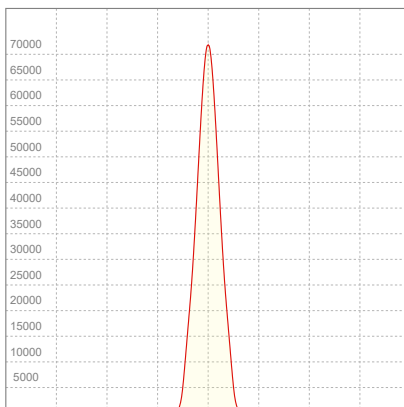
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,3°	49,8°	99,7%	98,9%



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	71768lx	17942lx	7974lx	4486lx	2871lx	1276lx	718lx	319lx	179lx	115lx	80lx	45lx	29lx
Footcand.	6667fcd	1667fcd	741fcd	417fcd	267fcd	119fcd	67fcd	30fcd	17fcd	11fcd	7fcd	4fcd	3fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

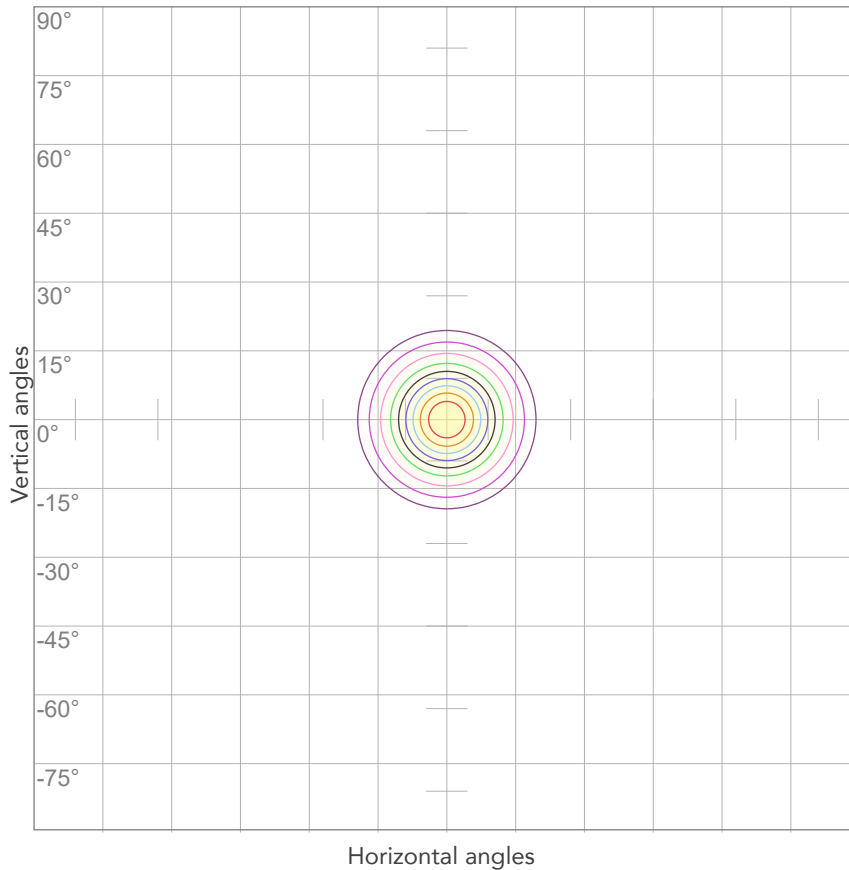


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,49A	557,7W	1,0	25lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



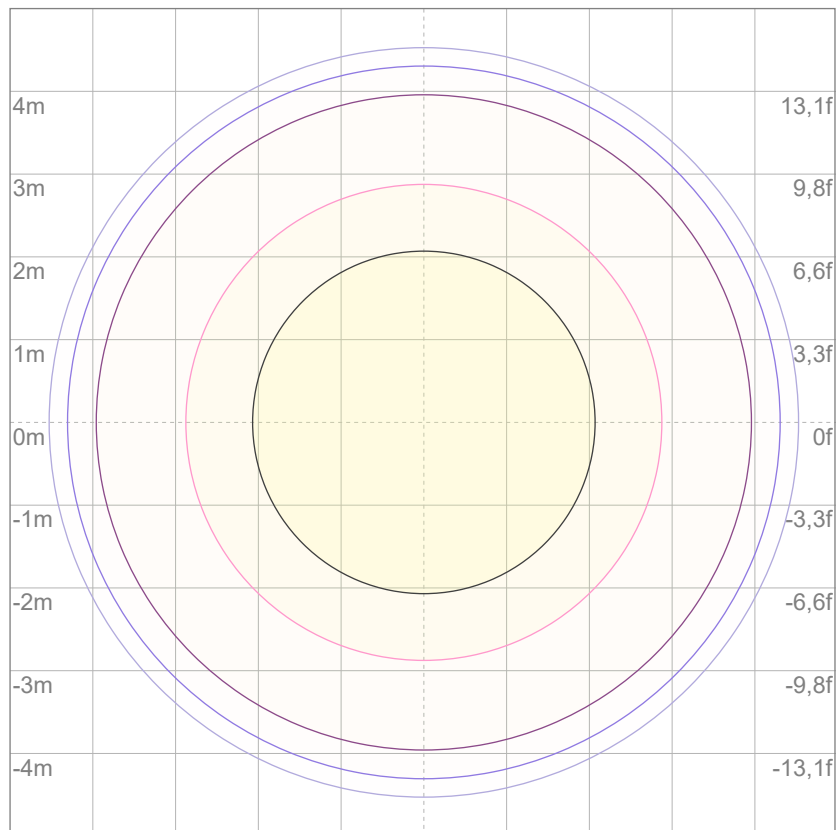
10%	7177 cd
20%	14354 cd
30%	21530 cd
40%	28707 cd
50%	35884 cd
60%	43061 cd
70%	50238 cd
80%	57415 cd

Conditions:

Number of c-planes: 2

Candela at center: 71768 cd

ISO LUX DIAGRAM



3%	21,5 lx
5%	35,9 lx
10%	71,8 lx
30%	215 lx
50%	359 lx

Conditions:

Number of c-planes: 2

Lux at center: 718 lx

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



Total lumen output:

7706 lm

Peak candela output:

196829 cd

Light quality:

CRI: 94,1

Color temperature:

4370 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

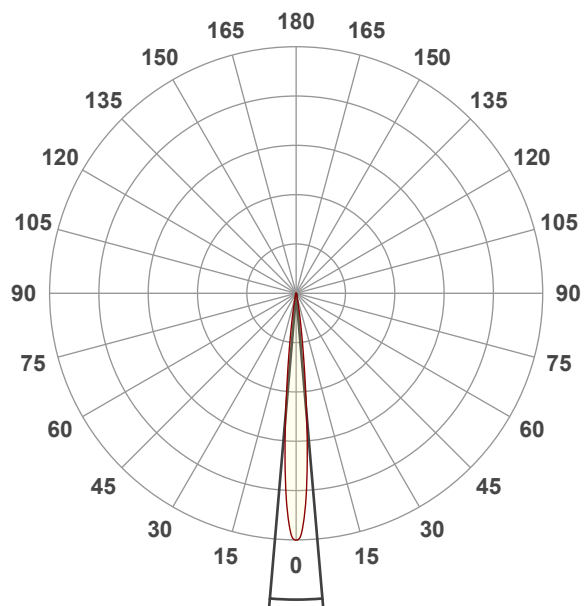
Full On - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:30:50

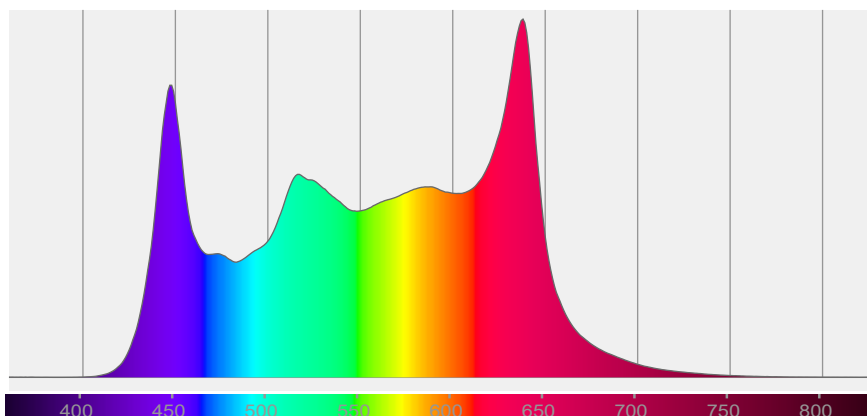


Beam angle 50%: 9,8°

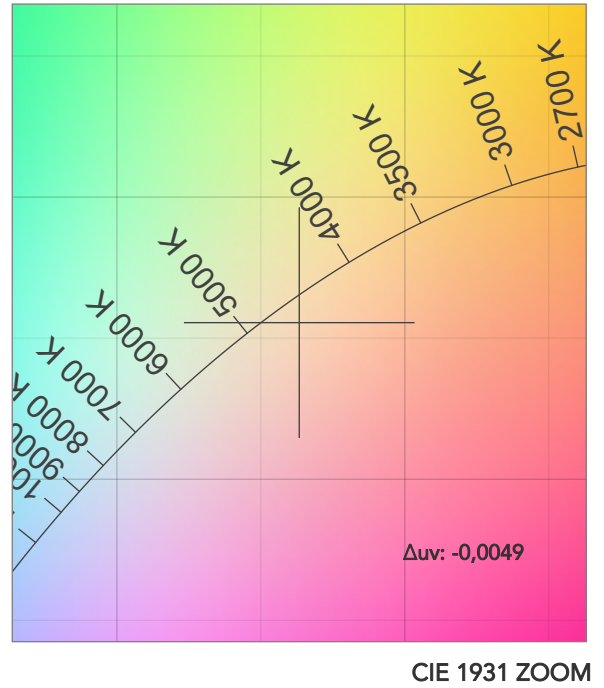
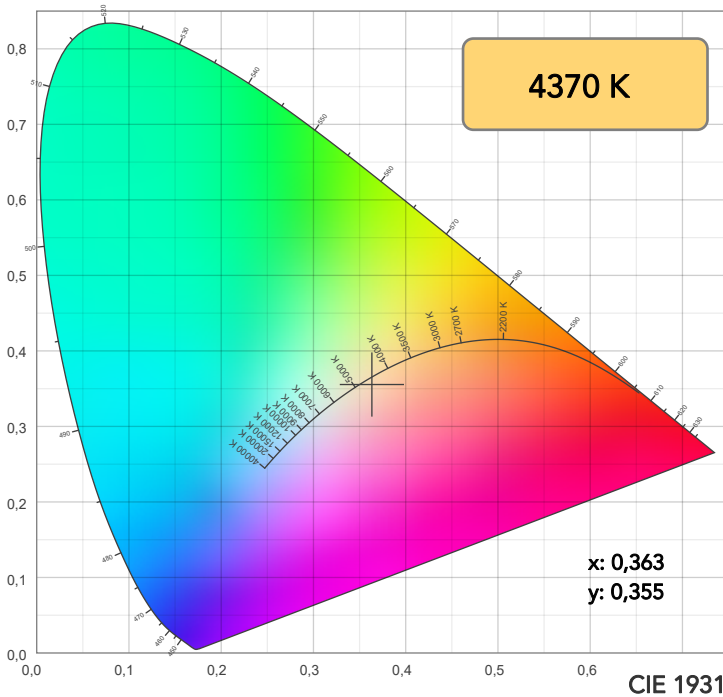
Field angle 10%: 18°

Cut off angle 2.5%: 25,1°

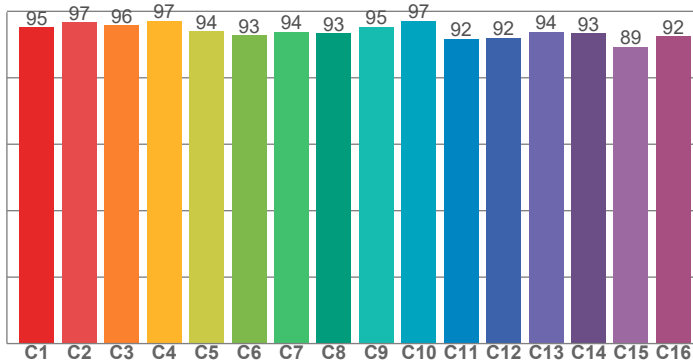
Spectra



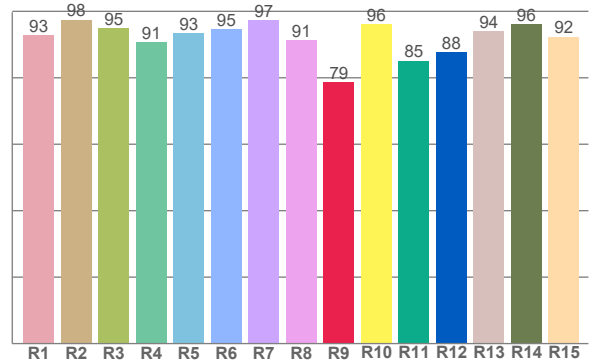
COLOR DETAILS



TM30: 94,3



CRI: 94,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,9	97,5	95,0	90,6	93,5	94,6	97,3	91,2	78,8	96,1	85,2	87,7	94,0	96,1	92,4

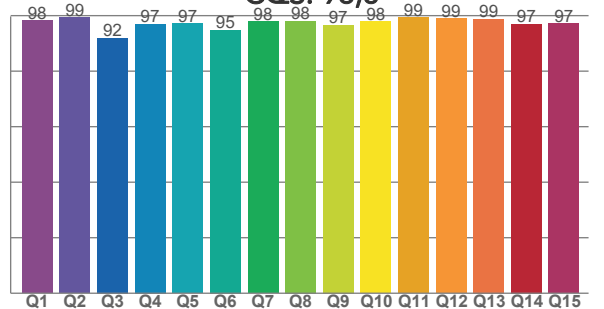
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	96,7	95,7	97,2	93,9	92,8	93,9	93,4	95,3	97,2	91,7	92,0	93,8	93,4	89,3	92,4

CQS Q values

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

CQS: 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
4370 K	94,1	78,8	94,3	105,2	96,8	93	0,363	0,355	-0,0049

TM30 DETAILS

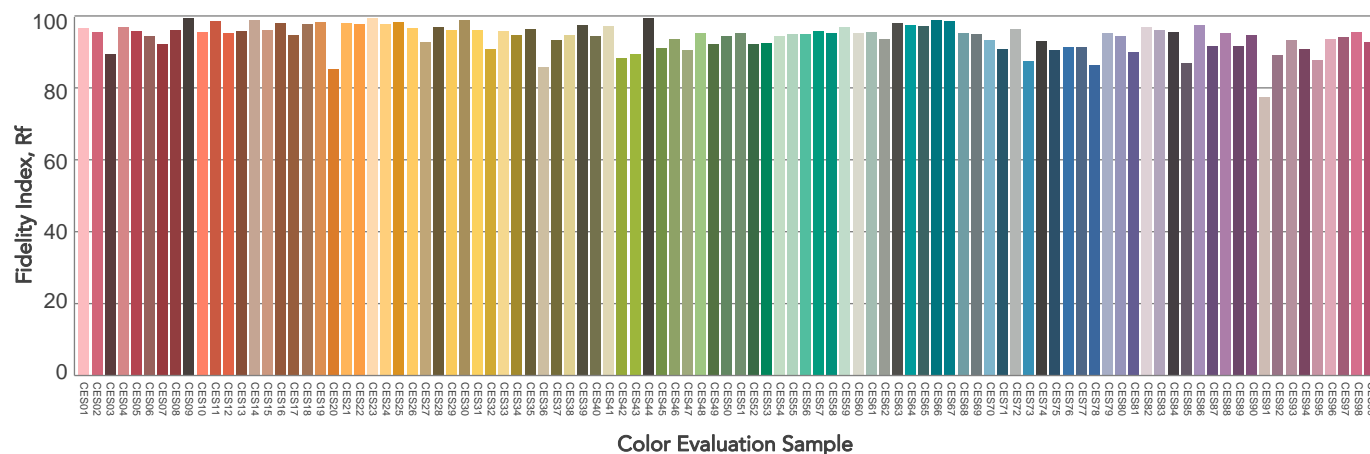
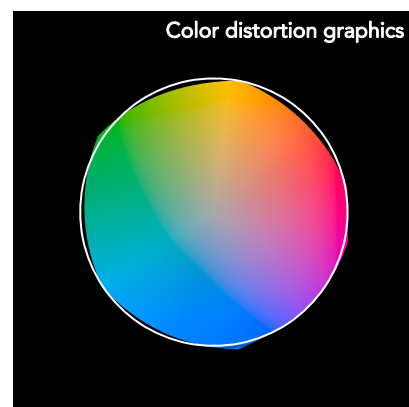
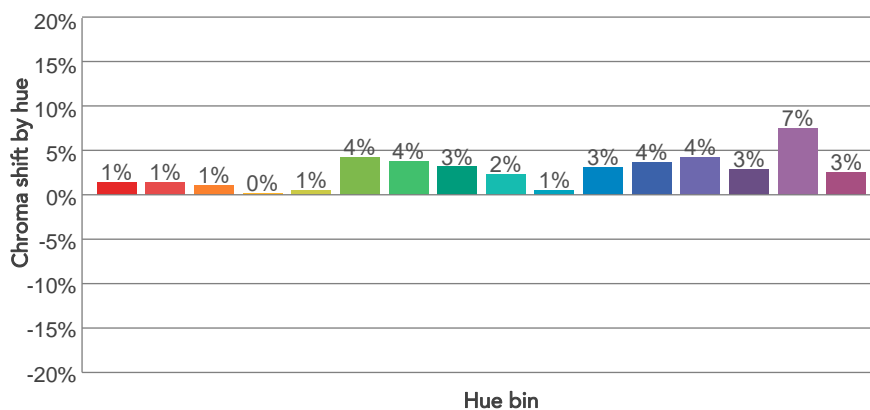
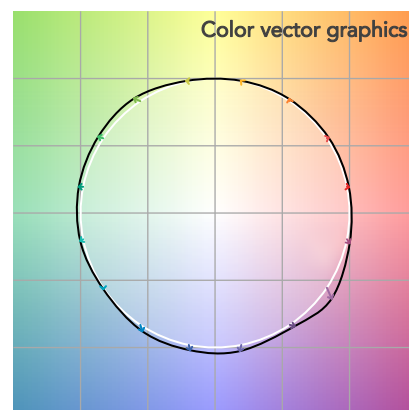
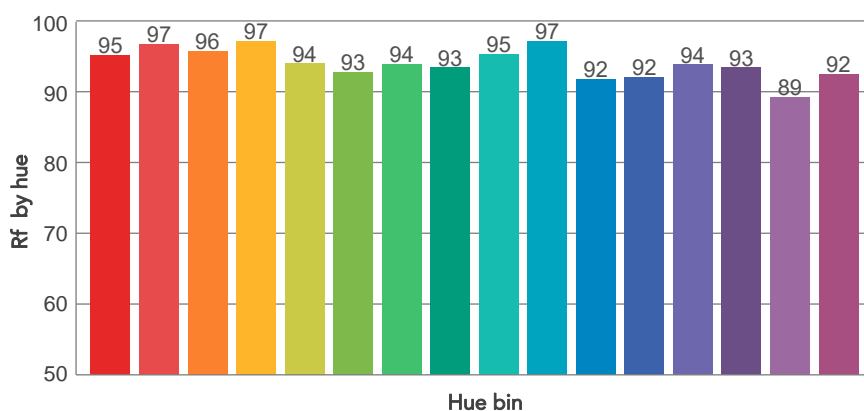
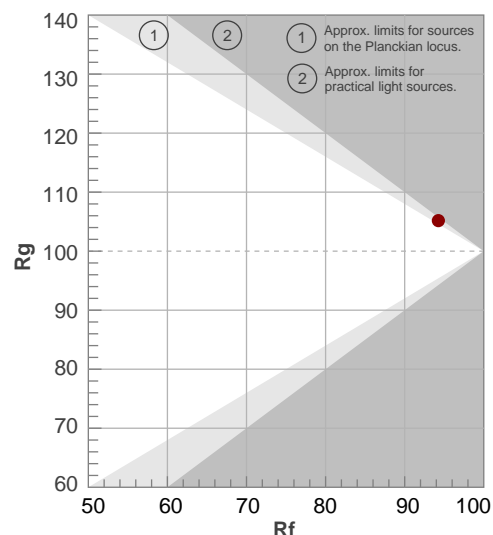
Rf 94,3

Fidelity index Rf

Rg 105,2

Gammut index

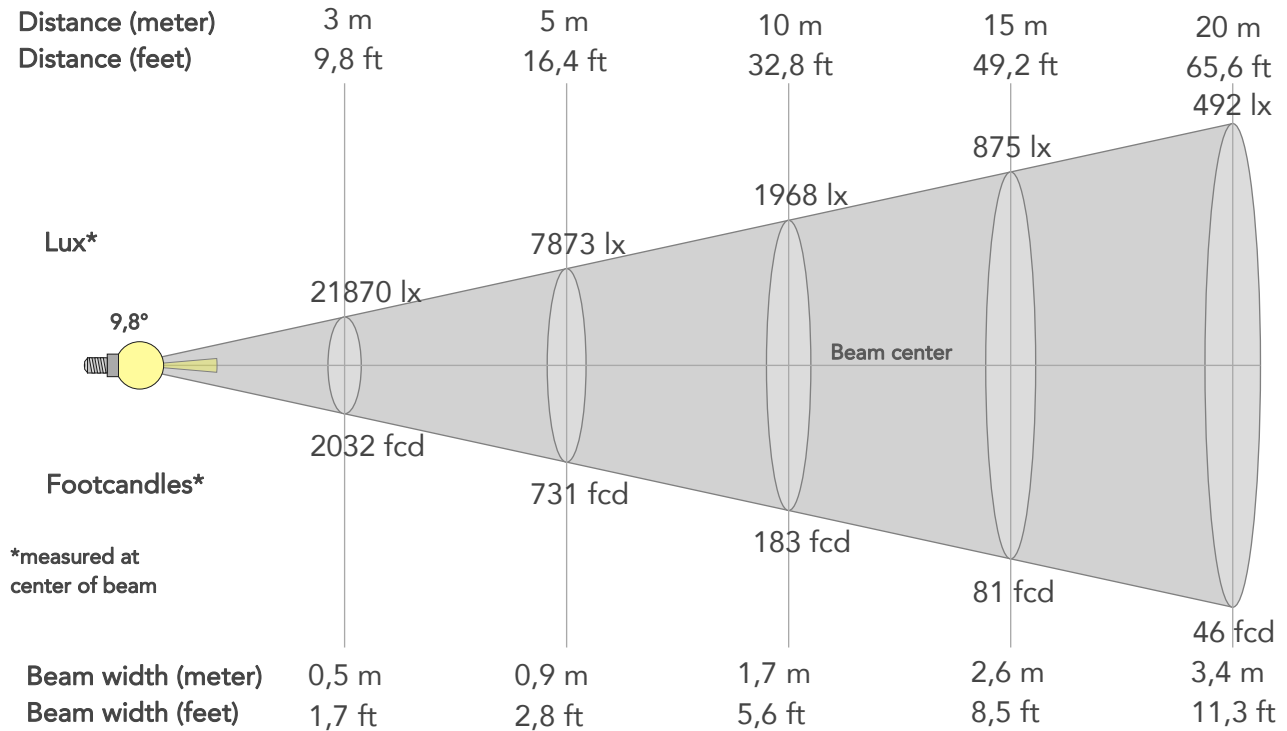
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	97	1%	0%
3	96	1%	1%
4	97	0%	0%
5	94	1%	2%
6	93	4%	3%
7	94	4%	1%
8	93	3%	1%
9	95	2%	1%
10	97	1%	1%
11	92	3%	4%
12	92	4%	2%
13	94	4%	-2%
14	93	3%	2%
15	89	7%	-5%
16	92	3%	-2%



BEAM DETAILS



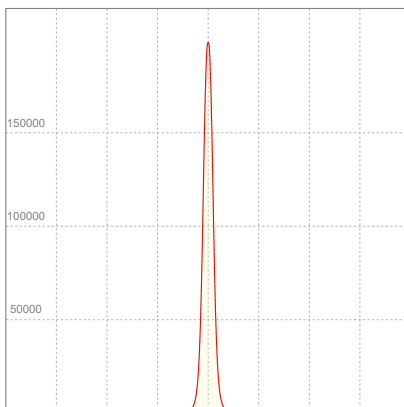
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	25,1°	99,7%	98,3%



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	196829lx	49207lx	21870lx	12302lx	7873lx	3499lx	1968lx	875lx	492lx	315lx	219lx	123lx	79lx
Footcand.	18286fcd	4572fcd	2032fcd	1143fcd	731fcd	325fcd	183fcd	81fcd	46fcd	29fcd	20fcd	11fcd	7fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,6ft	8,5ft	11,3ft	14,1ft	16,9ft	22,6ft	28,2ft

LINEAR DISTRIBUTION DIAGRAM

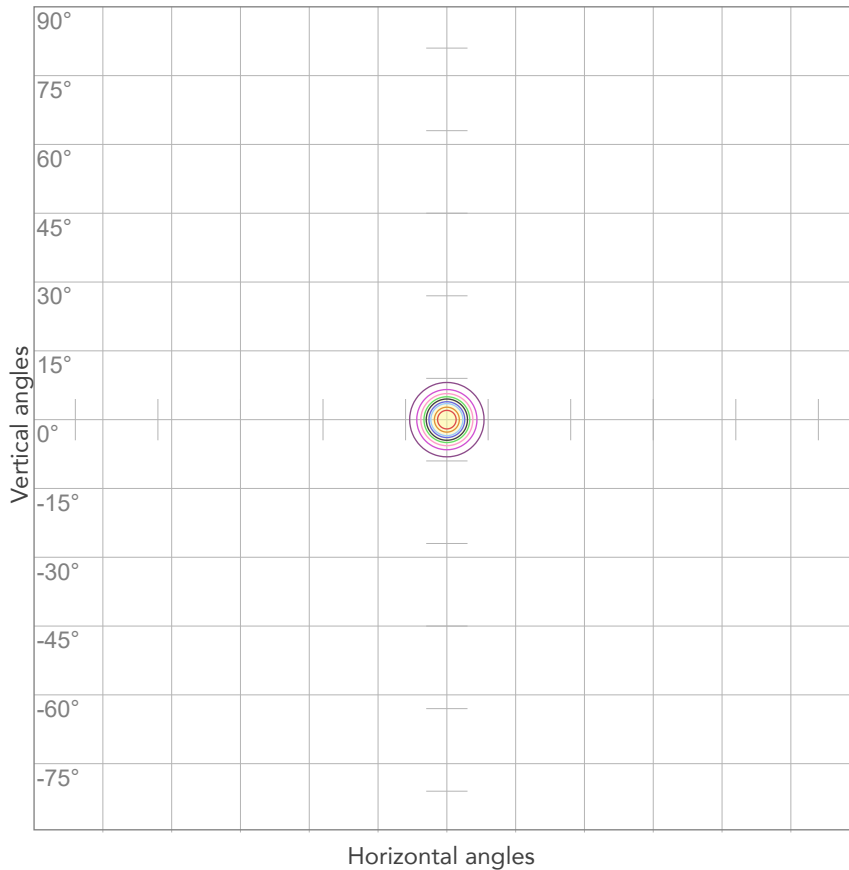


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,50A	561W	1,0	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



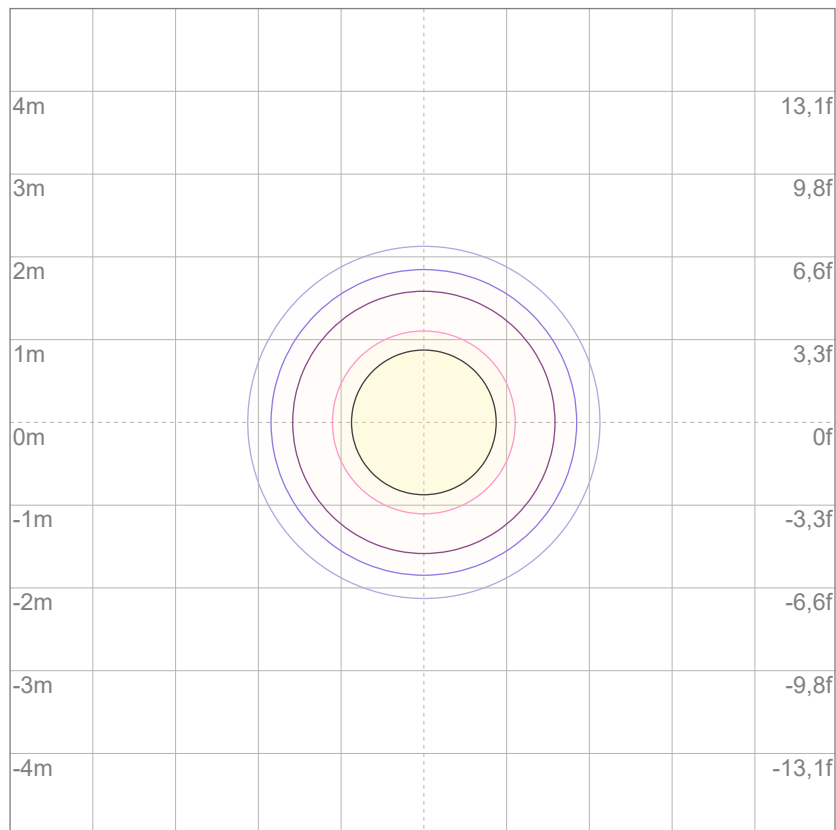
10%	19683 cd
20%	39366 cd
30%	59049 cd
40%	78732 cd
50%	98415 cd
60%	118098 cd
70%	137781 cd
80%	157464 cd

Conditions:

Number of c-planes: 2

Candela at center: 196829 cd

ISO LUX DIAGRAM



3%	59,0 lx
5%	98,4 lx
10%	197 lx
30%	590 lx
50%	984 lx

Conditions:

Number of c-planes: 2

Lux at center: 1968 lx

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



Total lumen output:

1574 lm

Peak candela output:

2062 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

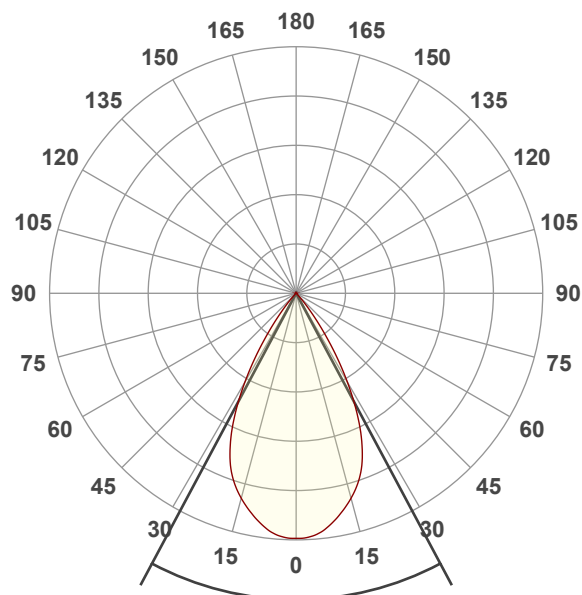
Red - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 09:56:48

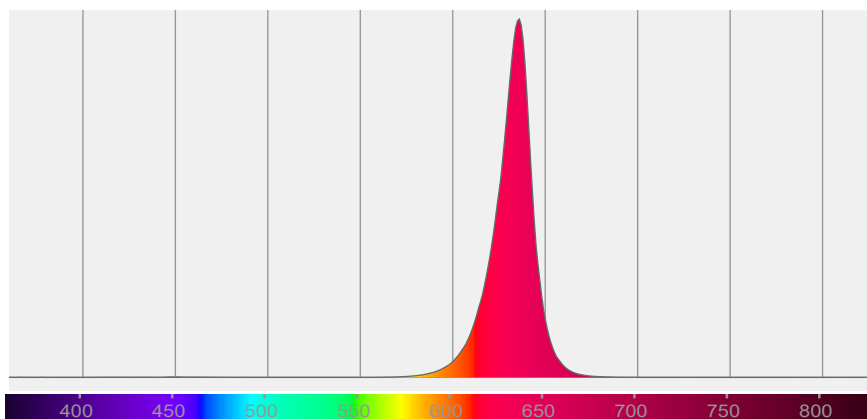


Beam angle 50%: 56,1°

Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

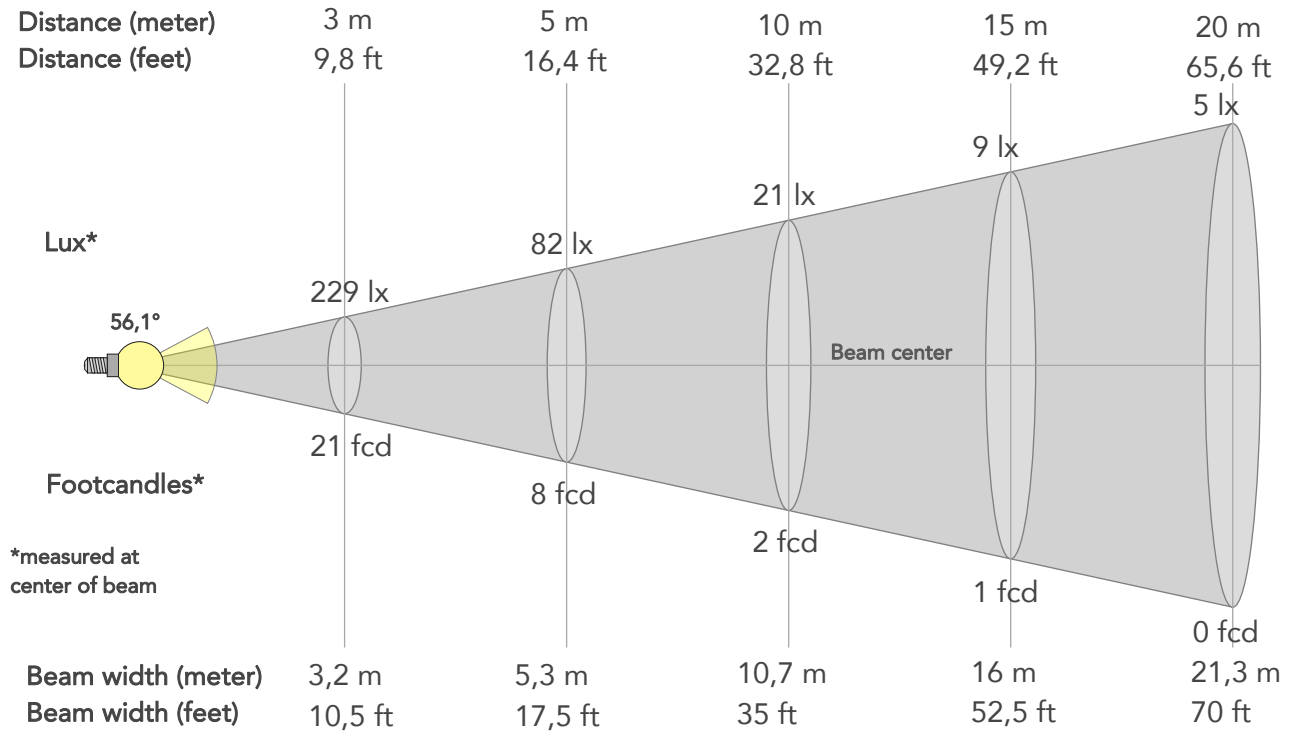
Spectra



BEAM DETAILS



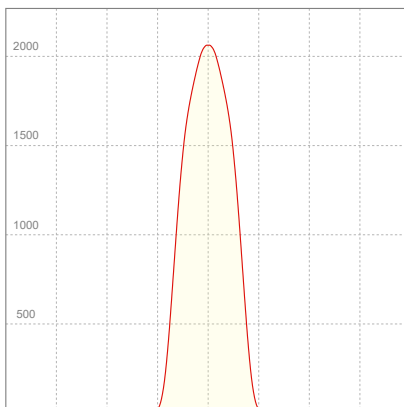
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,1°	76,8°	85,5°	99,7%	99,2%



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	2062lx	516lx	229lx	129lx	82lx	37lx	21lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	192fcd	48fcd	21fcd	12fcd	8fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,3m	26,7m	32m	42,7m	53,3m
Beam wid.	3,5ft	7ft	10,5ft	14ft	17,5ft	26,2ft	35ft	52,5ft	70ft	87,5ft	105ft	140ft	174,9ft

LINEAR DISTRIBUTION DIAGRAM

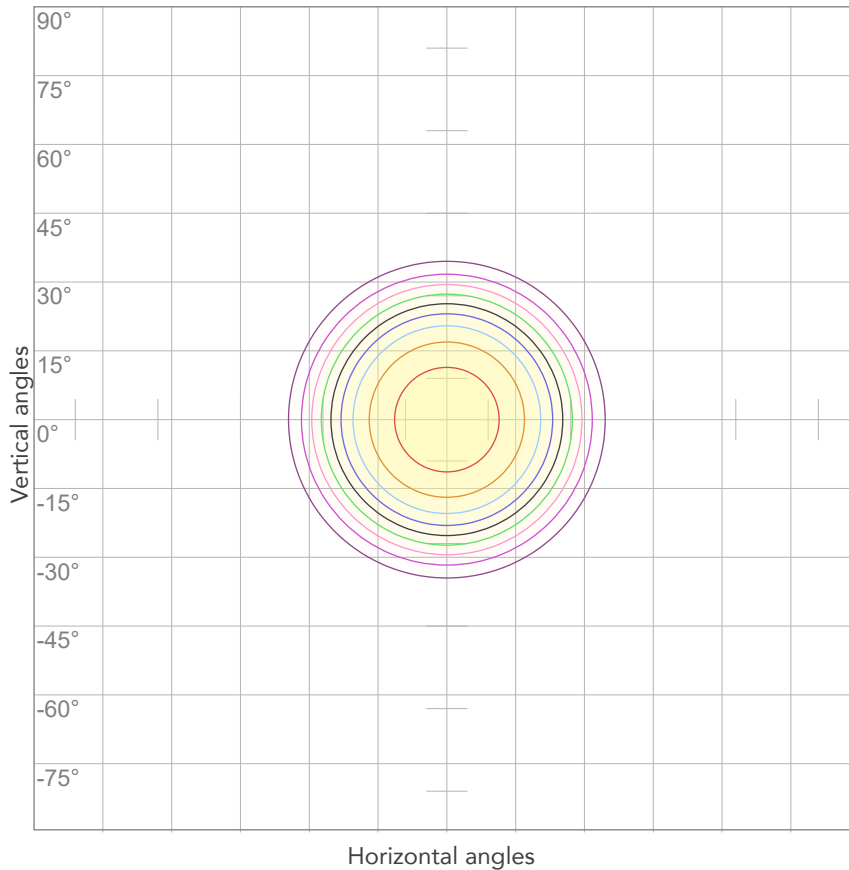


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,501A	99,7W	0,87	16lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



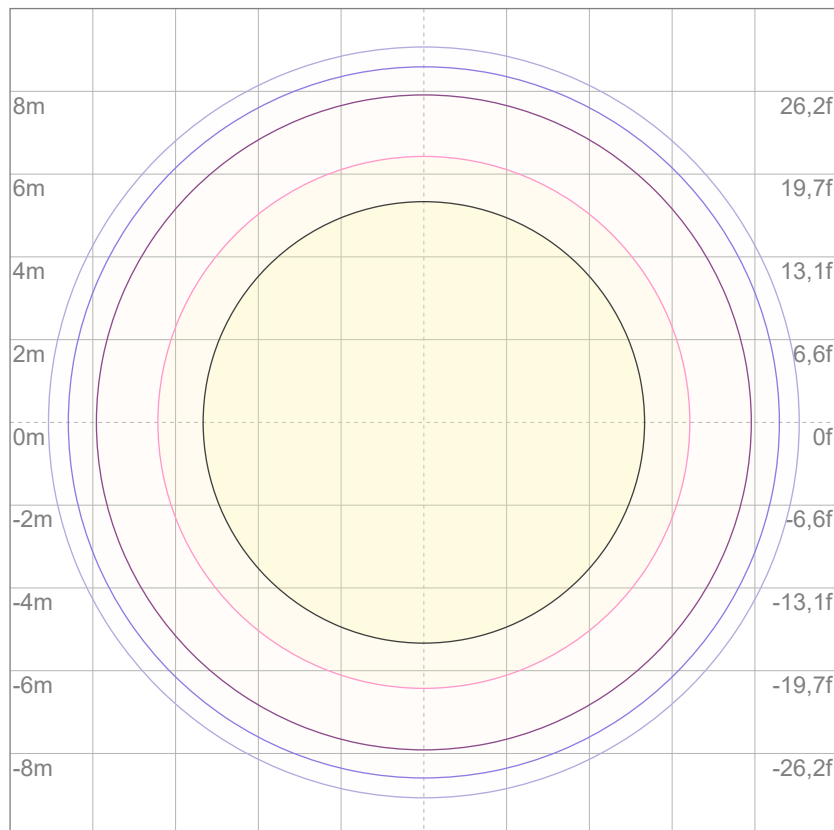
10%	206 cd
20%	412 cd
30%	619 cd
40%	825 cd
50%	1031 cd
60%	1237 cd
70%	1444 cd
80%	1650 cd

Conditions:

Number of c-planes: 2

Candela at center: 2062 cd

ISO LUX DIAGRAM



3%	0,619 lx
5%	1,03 lx
10%	2,06 lx
30%	6,19 lx
50%	10,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 20,6 lx

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



Total lumen output:

1274 lm

Peak candela output:

6678 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

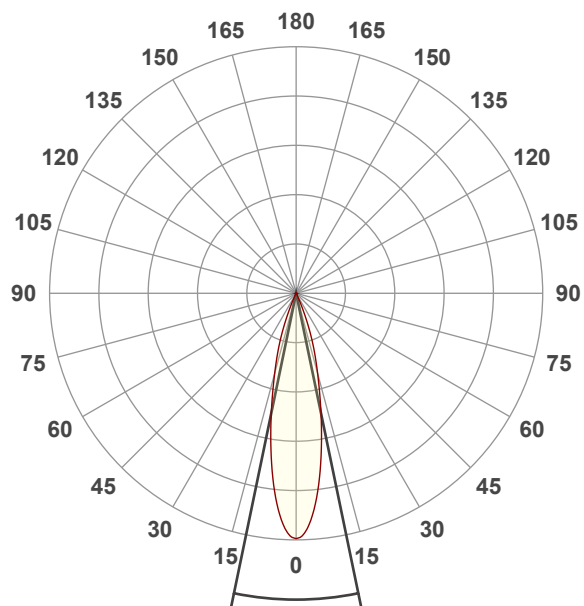
Red - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 14:04:33

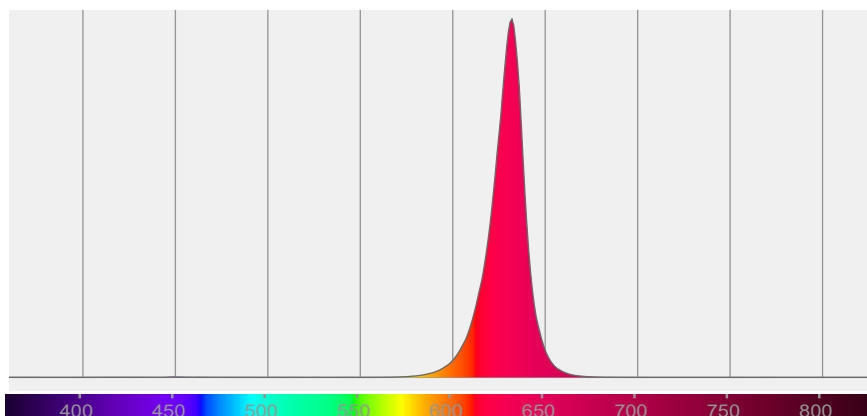


Beam angle 50%: 23,4°

Field angle 10%: 43,3°

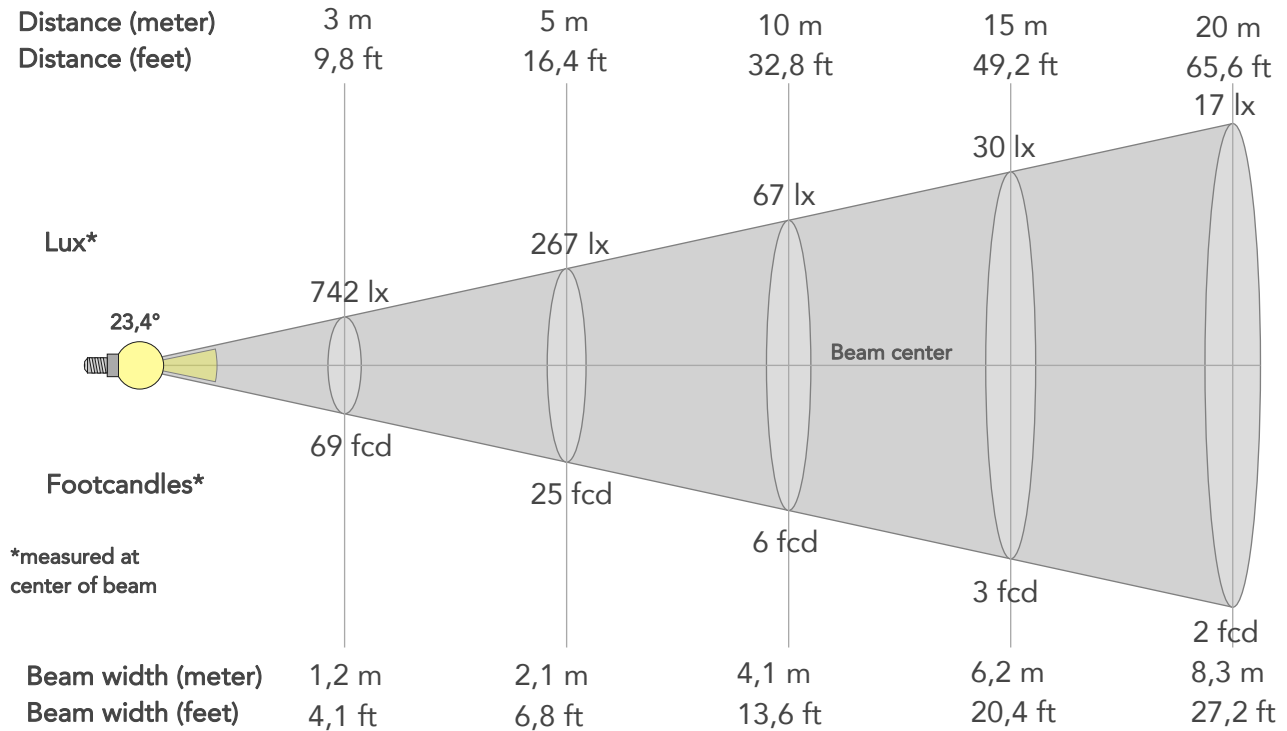
Cut off angle 2.5%: 49,9°

Spectra



BEAM DETAILS

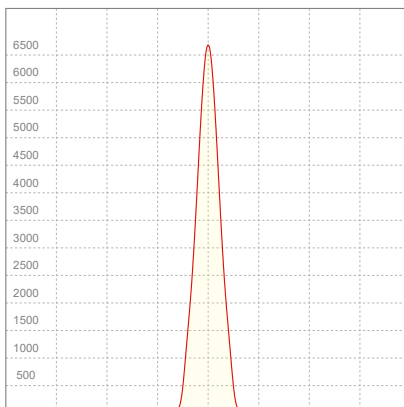
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,3°	49,9°	99,7%	98,8%



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	6678lx	1670lx	742lx	417lx	267lx	119lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	620fcd	155fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

LINEAR DISTRIBUTION DIAGRAM

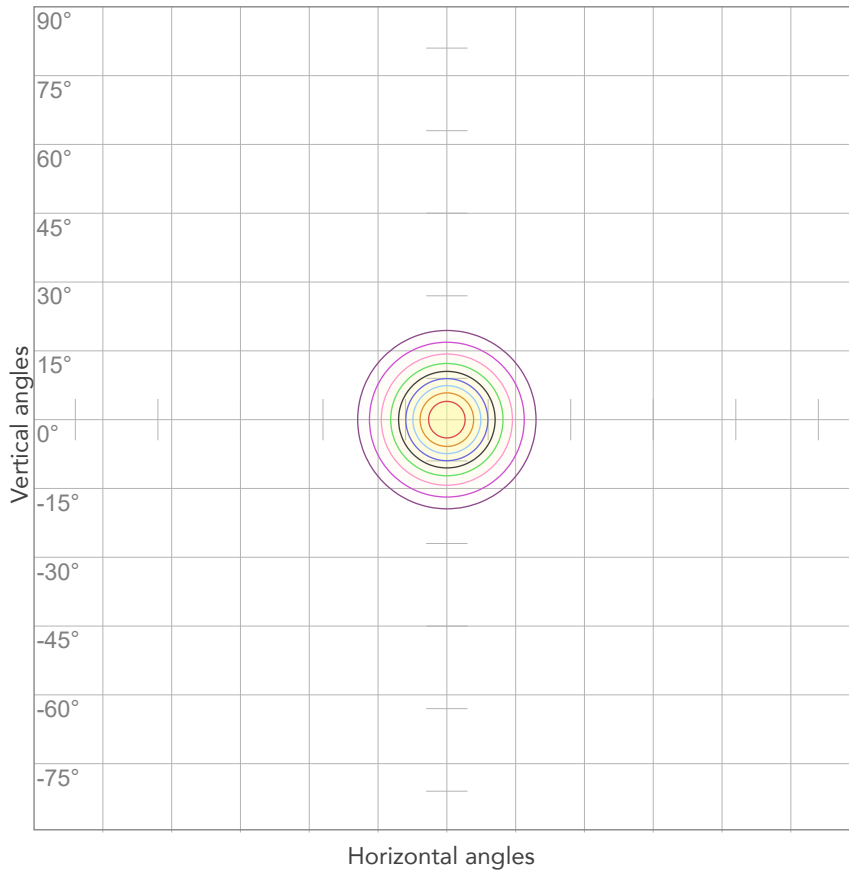


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,483A	94,2W	0,86	14lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



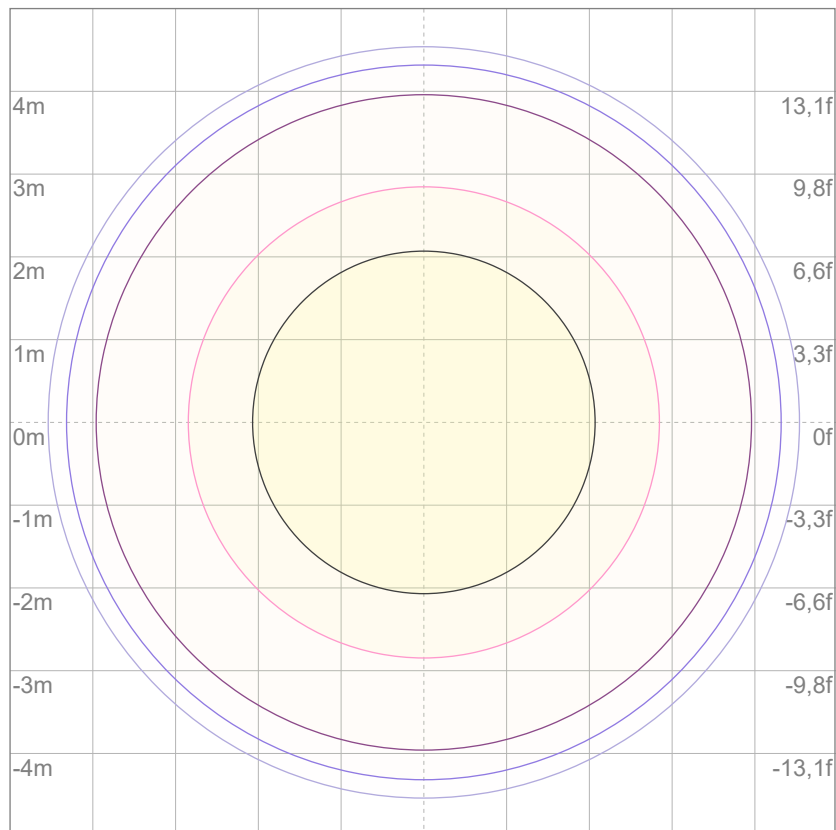
10%	668 cd
20%	1336 cd
30%	2003 cd
40%	2671 cd
50%	3339 cd
60%	4007 cd
70%	4675 cd
80%	5342 cd

Conditions:

Number of c-planes: 2

Candela at center: 6678 cd

ISO LUX DIAGRAM



3%	2,00 lx
5%	3,34 lx
10%	6,68 lx
30%	20,0 lx
50%	33,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 66,8 lx

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



Total lumen output:

757 lm

Peak candela output:

19844 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

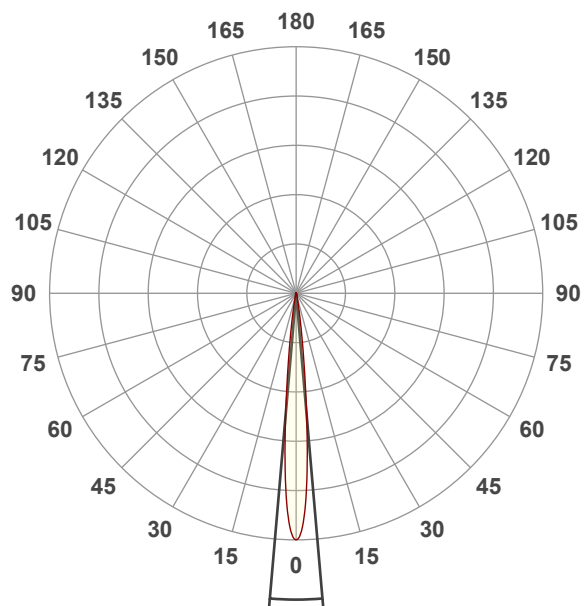
Red - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 10:41:31

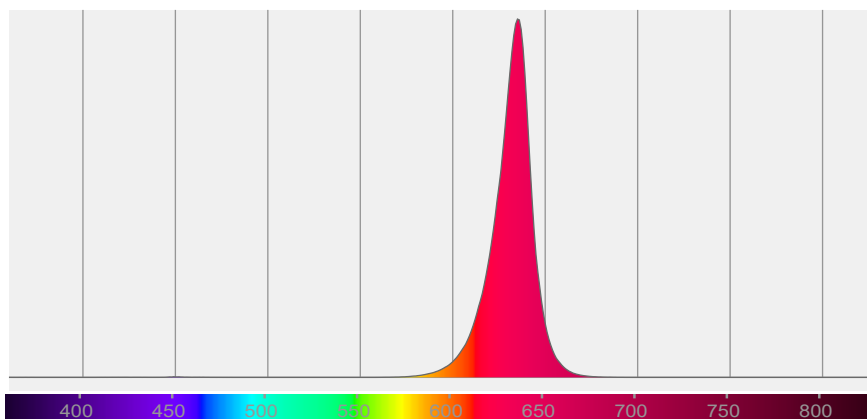


Beam angle 50%: 9,9°

Field angle 10%: 17,9°

Cut off angle 2.5%: 24,8°

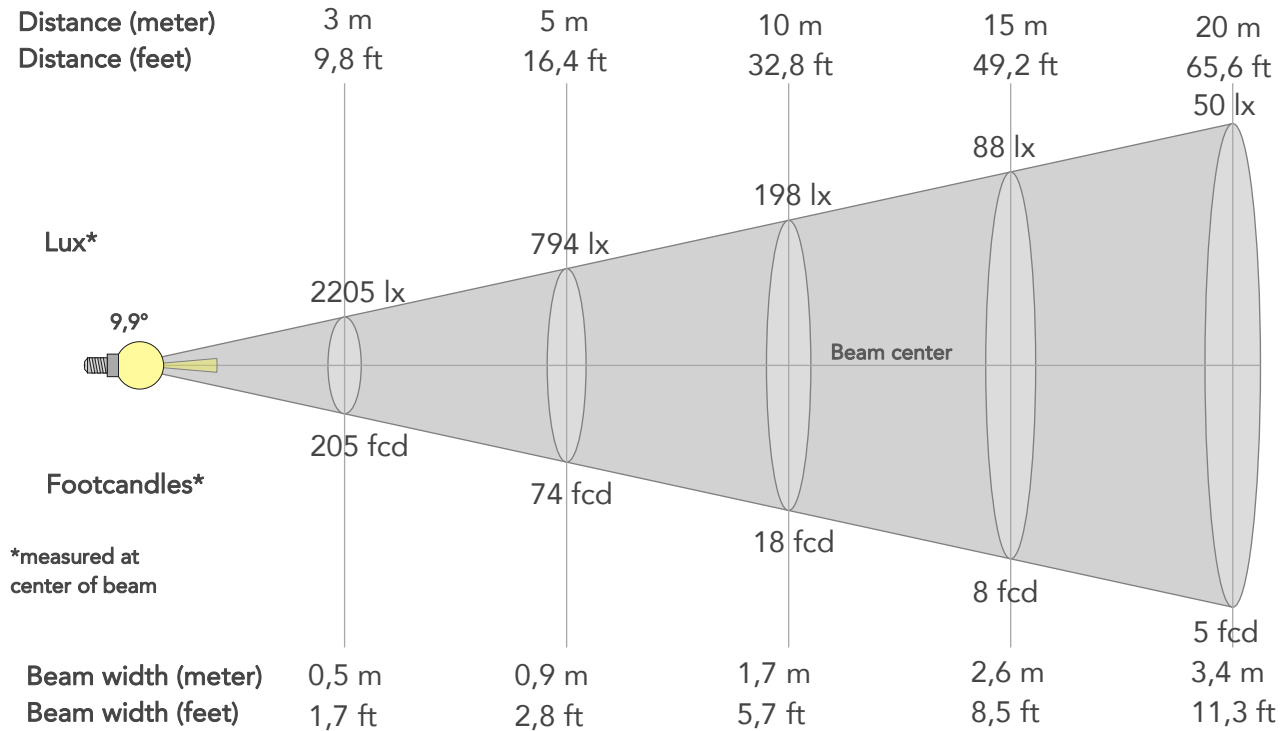
Spectra



BEAM DETAILS



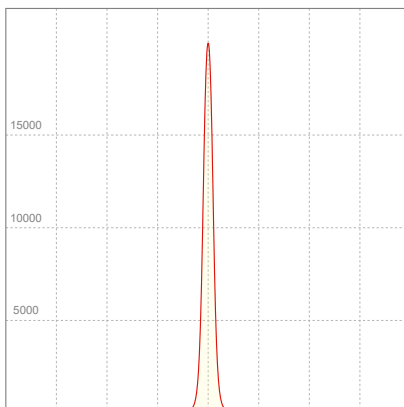
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	17,9°	24,8°	99,7%	98,7%



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	19844lx	4961lx	2205lx	1240lx	794lx	353lx	198lx	88lx	50lx	32lx	22lx	12lx	8lx
Footcand.	1844fcd	461fcd	205fcd	115fcd	74fcd	33fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,7ft	8,5ft	11,3ft	14,1ft	17ft	22,6ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM

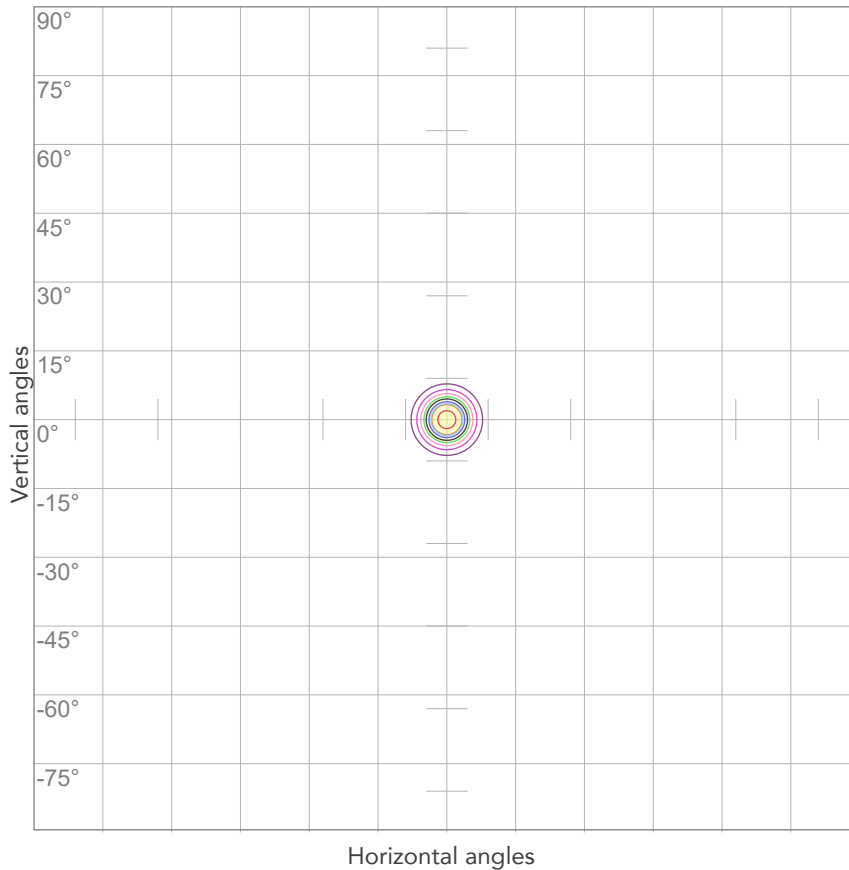


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,492A	96,2W	0,86	8lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



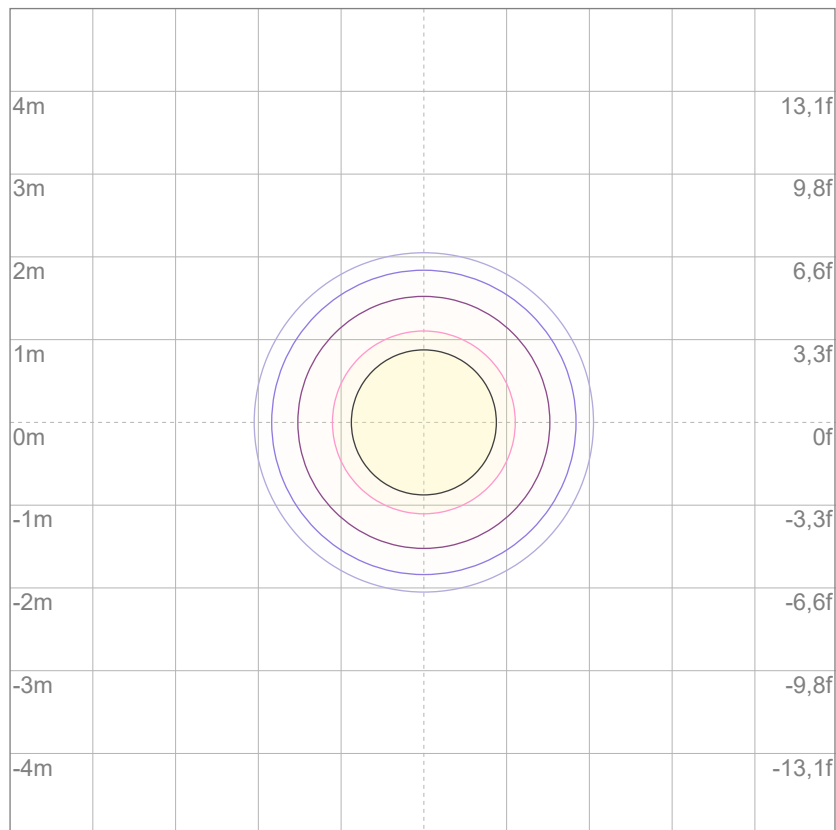
10%	1984 cd
20%	3969 cd
30%	5953 cd
40%	7937 cd
50%	9922 cd
60%	11906 cd
70%	13891 cd
80%	15875 cd

Conditions:

Number of c-planes: 2

Candela at center: 19844 cd

ISO LUX DIAGRAM



3%	5,95 lx
5%	9,92 lx
10%	19,8 lx
30%	59,5 lx
50%	99,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 198 lx

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



Total lumen output:

2608 lm

Peak candela output:

3254 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

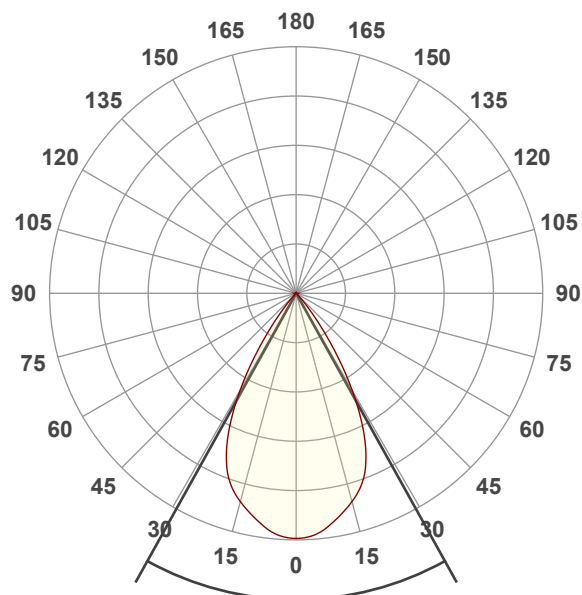
Green - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 09:42:07

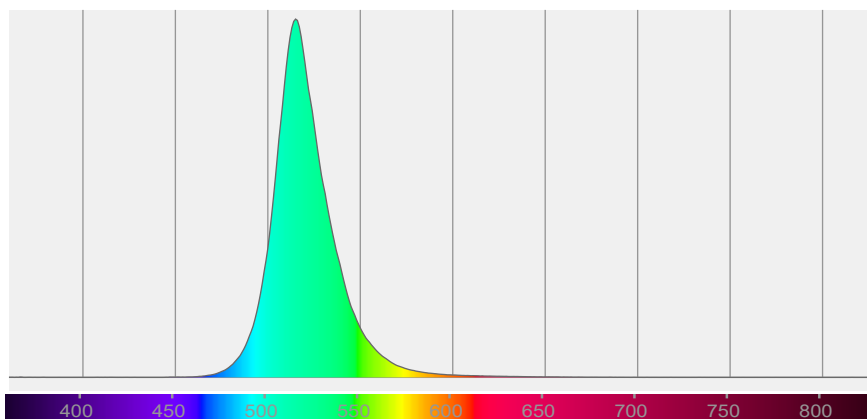


Beam angle 50%: 58,1°

Field angle 10%: 77,6°

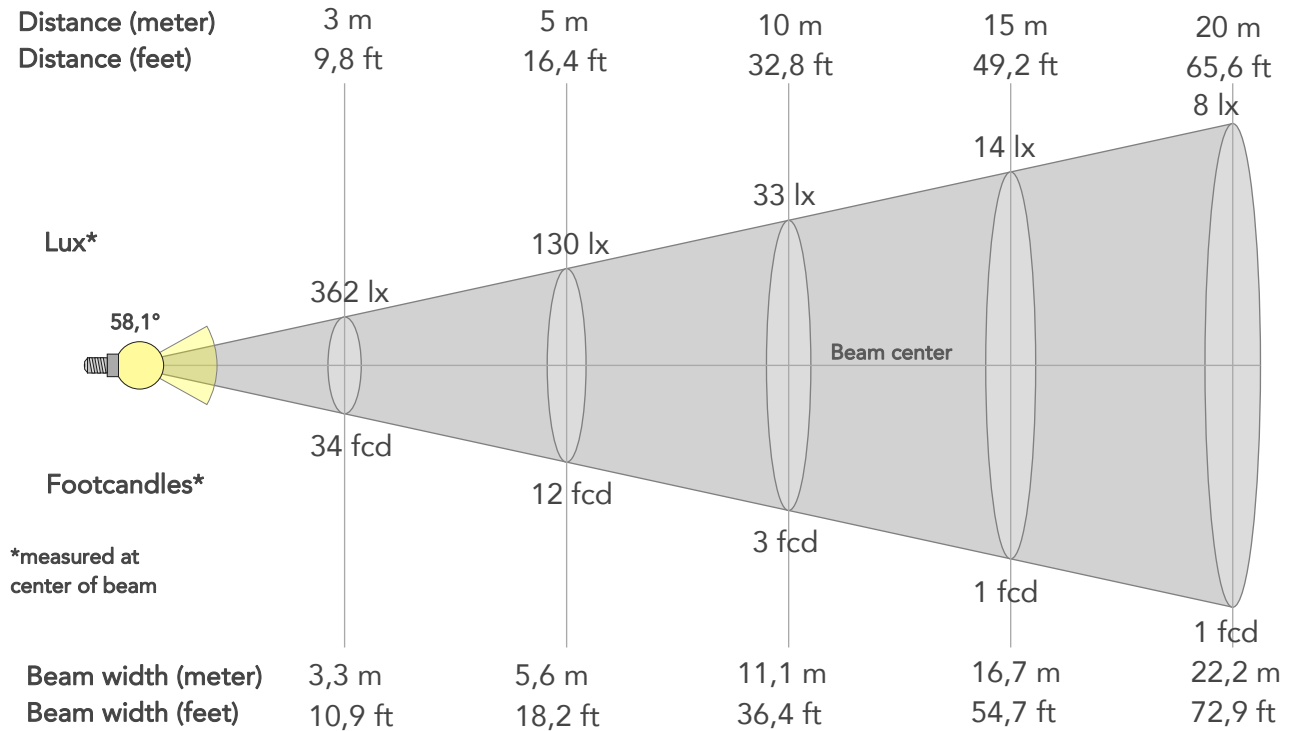
Cut off angle 2.5%: 85,9°

Spectra



BEAM DETAILS

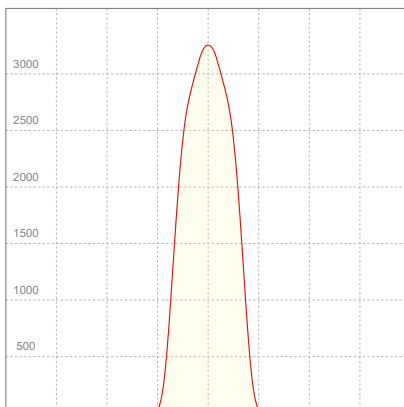
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58,1°	77,6°	85,9°	99,8%	99,3%



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	3254lx	813lx	362lx	203lx	130lx	58lx	33lx	14lx	8lx	5lx	4lx	2lx	1lx
Footcand.	302fcd	76fcd	34fcd	19fcd	12fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,6m	8,3m	11,1m	16,7m	22,2m	27,8m	33,3m	44,4m	55,6m
Beam wid.	3,7ft	7,3ft	10,9ft	14,6ft	18,2ft	27,3ft	36,4ft	54,7ft	72,9ft	91,1ft	109,3ft	145,8ft	182,2ft

LINEAR DISTRIBUTION DIAGRAM

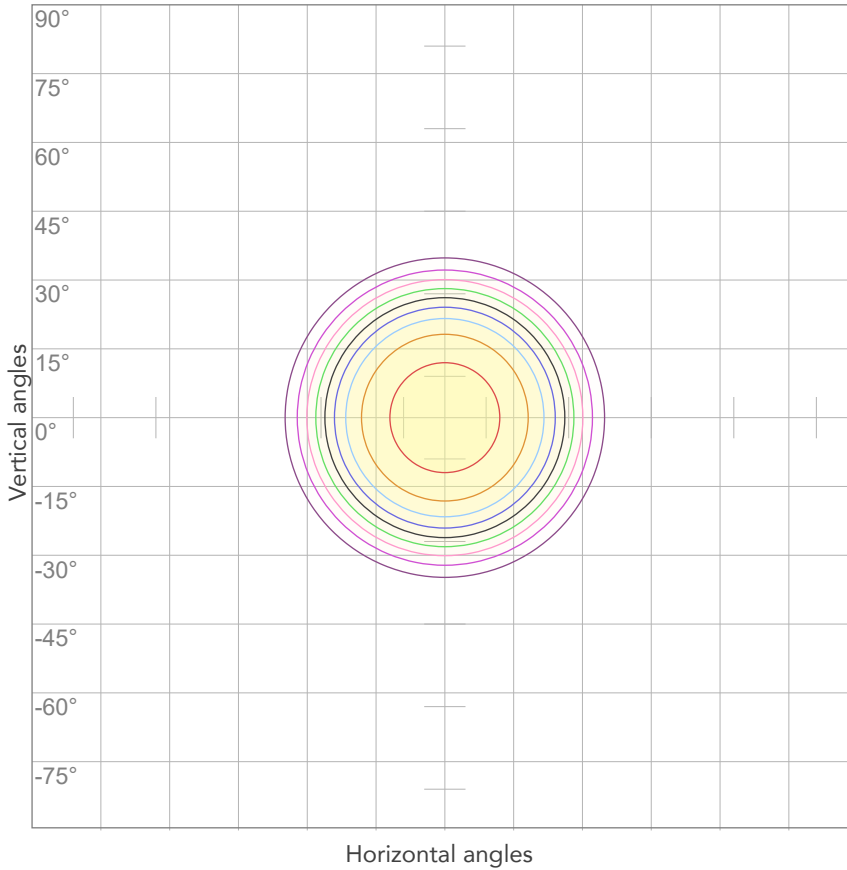


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,461A	85,4W	0,82	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



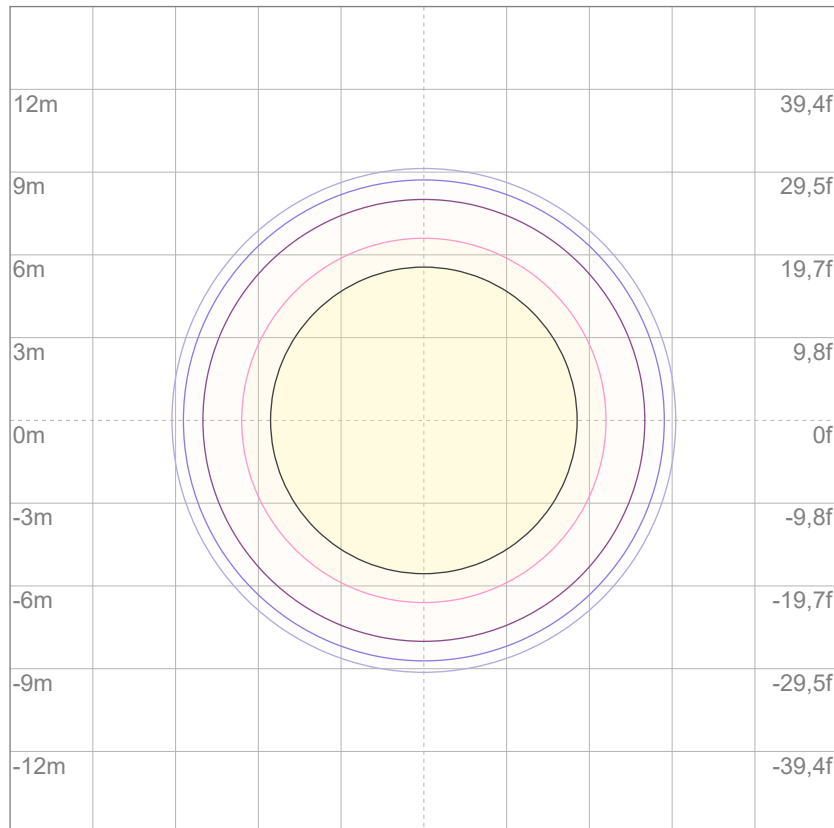
10%	325 cd
20%	651 cd
30%	976 cd
40%	1301 cd
50%	1627 cd
60%	1952 cd
70%	2278 cd
80%	2603 cd

Conditions:

Number of c-planes: 2

Candela at center: 3254 cd

ISO LUX DIAGRAM



3%	0,976 lx
5%	1,63 lx
10%	3,25 lx
30%	9,76 lx
50%	16,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 32,5 lx

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



Total lumen output:

2169 lm

Peak candela output:

11114 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

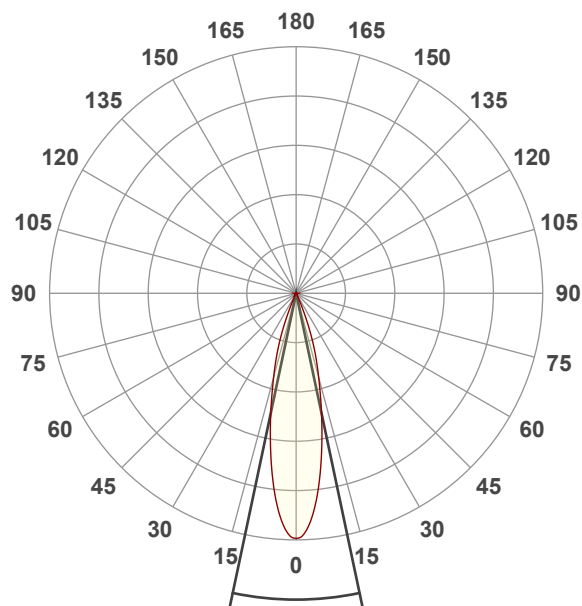
Green - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 14:06:16

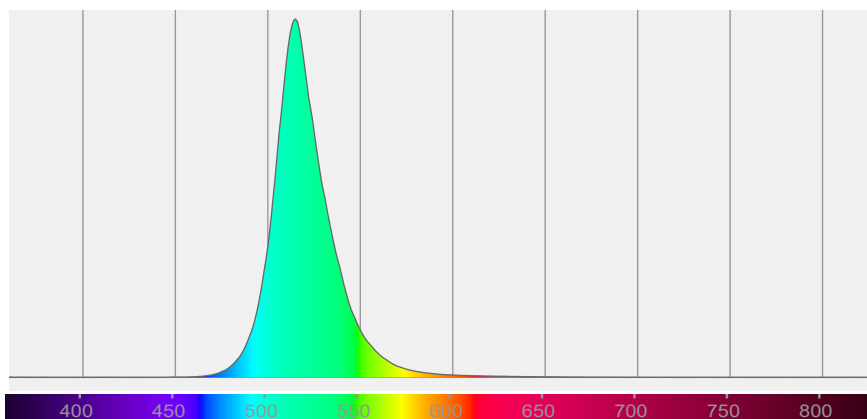


Beam angle 50%: 23,9°

Field angle 10%: 43,5°

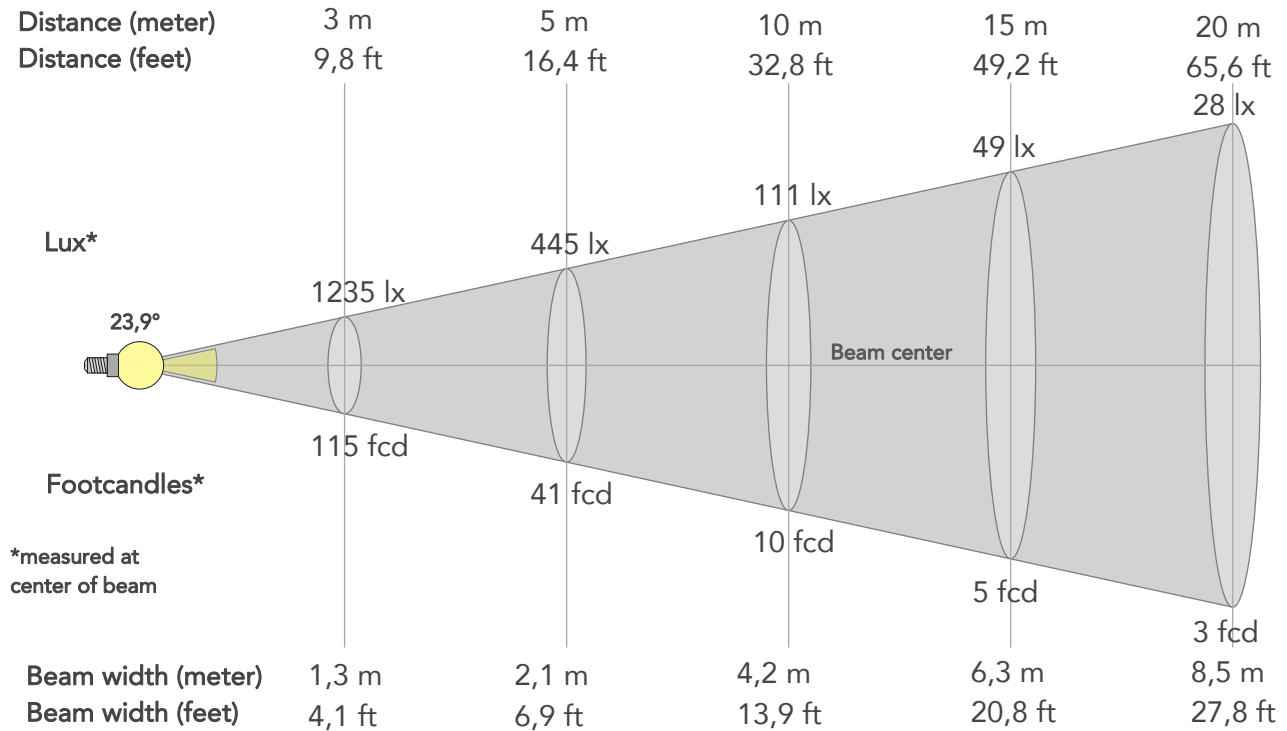
Cut off angle 2.5%: 49,9°

Spectra



BEAM DETAILS

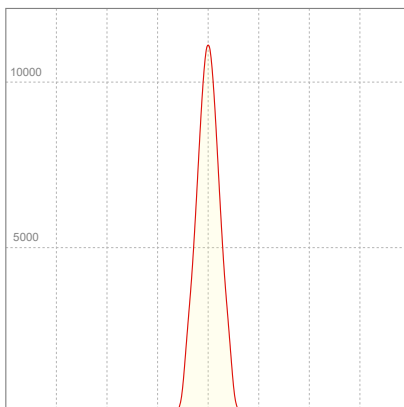
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,9°	43,5°	49,9°	99,6%	98,9%



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	11114lx	2778lx	1235lx	695lx	445lx	198lx	111lx	49lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1033fcd	258fcd	115fcd	65fcd	41fcd	18fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,2m	4,2m	6,3m	8,5m	10,6m	12,7m	16,9m	21,2m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,4ft	13,9ft	20,8ft	27,8ft	34,7ft	41,6ft	55,5ft	69,4ft

LINEAR DISTRIBUTION DIAGRAM

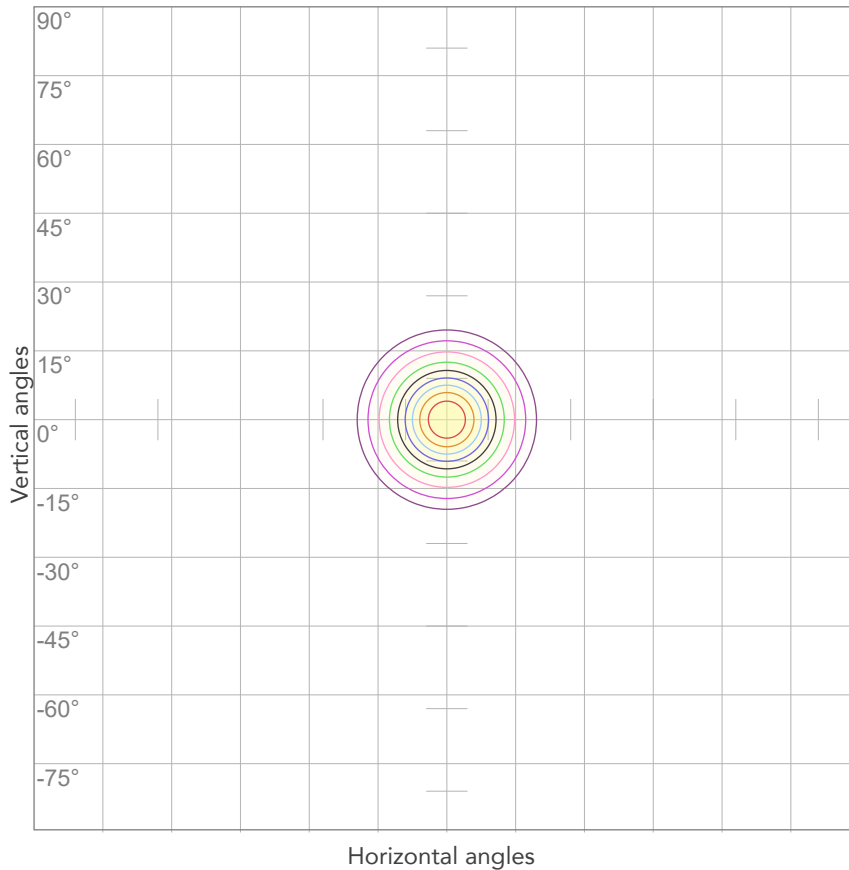


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,487A	95,6W	0,87	23lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



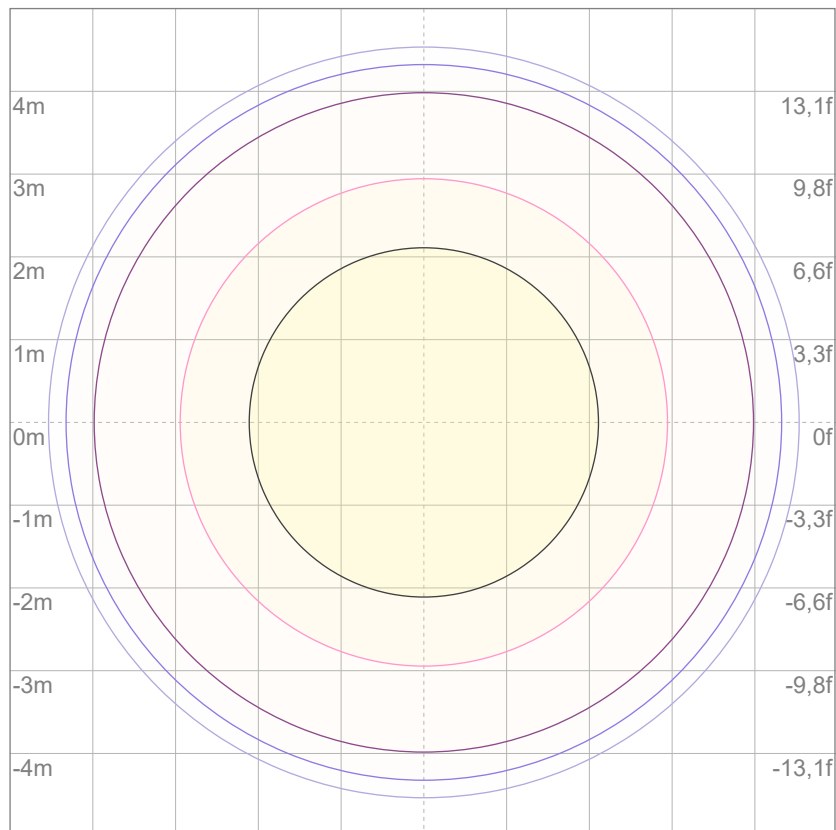
10%	1111 cd
20%	2223 cd
30%	3334 cd
40%	4446 cd
50%	5557 cd
60%	6668 cd
70%	7780 cd
80%	8891 cd

Conditions:

Number of c-planes: 2

Candela at center: 11114 cd

ISO LUX DIAGRAM



3%	3,33 lx
5%	5,56 lx
10%	11,1 lx
30%	33,3 lx
50%	55,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 111 lx

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



Total lumen output:

1268 lm

Peak candela output:

32491 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

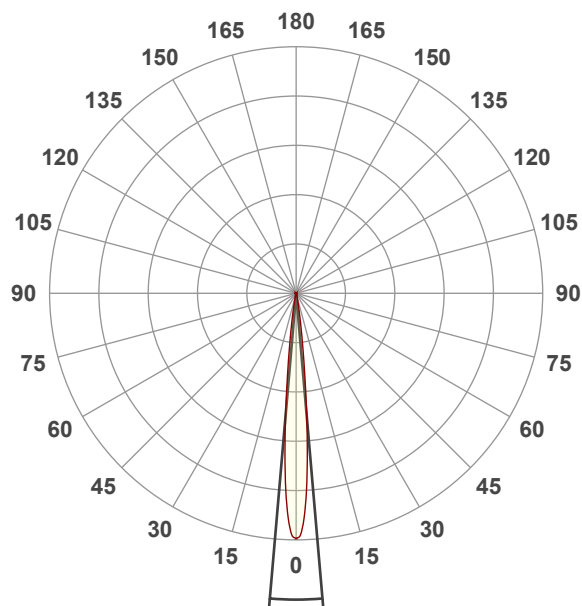
Green - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 10:43:11

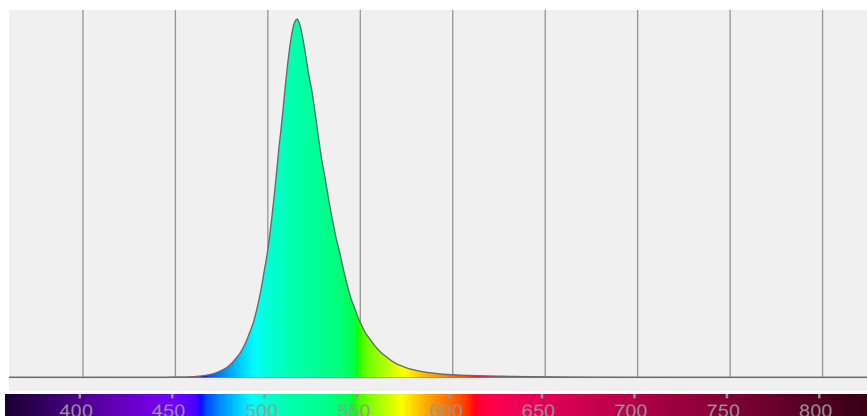


Beam angle 50%: 9,9°

Field angle 10%: 17,9°

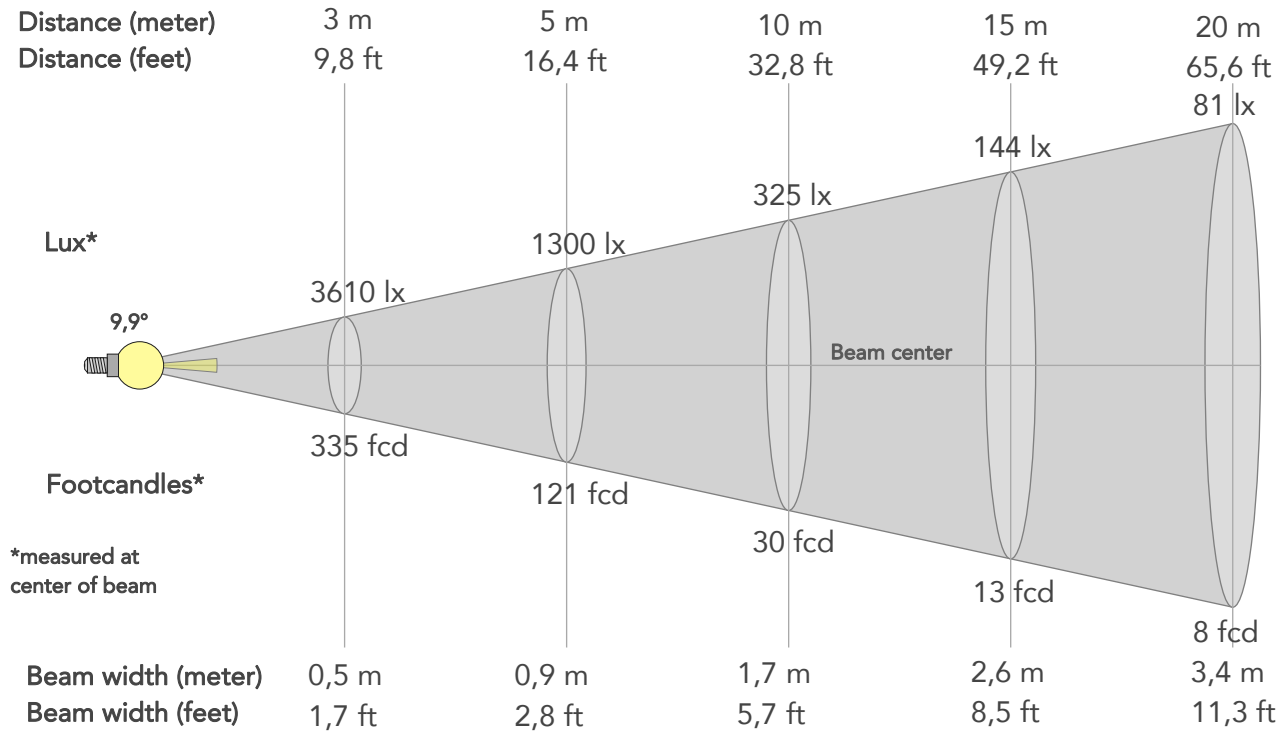
Cut off angle 2.5%: 24,9°

Spectra



BEAM DETAILS

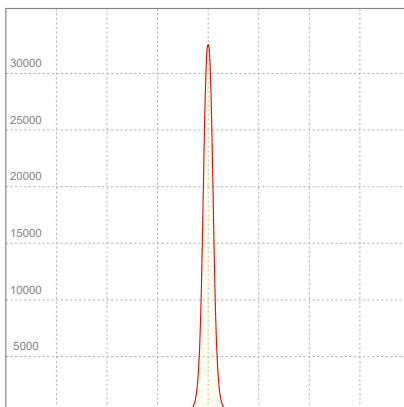
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	17,9°	24,9°	99,4%	98,0%



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	32491lx	8123lx	3610lx	2031lx	1300lx	578lx	325lx	144lx	81lx	52lx	36lx	20lx	13lx
Footcand.	3019fcd	755fcd	335fcd	189fcd	121fcd	54fcd	30fcd	13fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,7ft	8,5ft	11,3ft	14,1ft	17ft	22,6ft	28,3ft

LINEAR DISTRIBUTION DIAGRAM

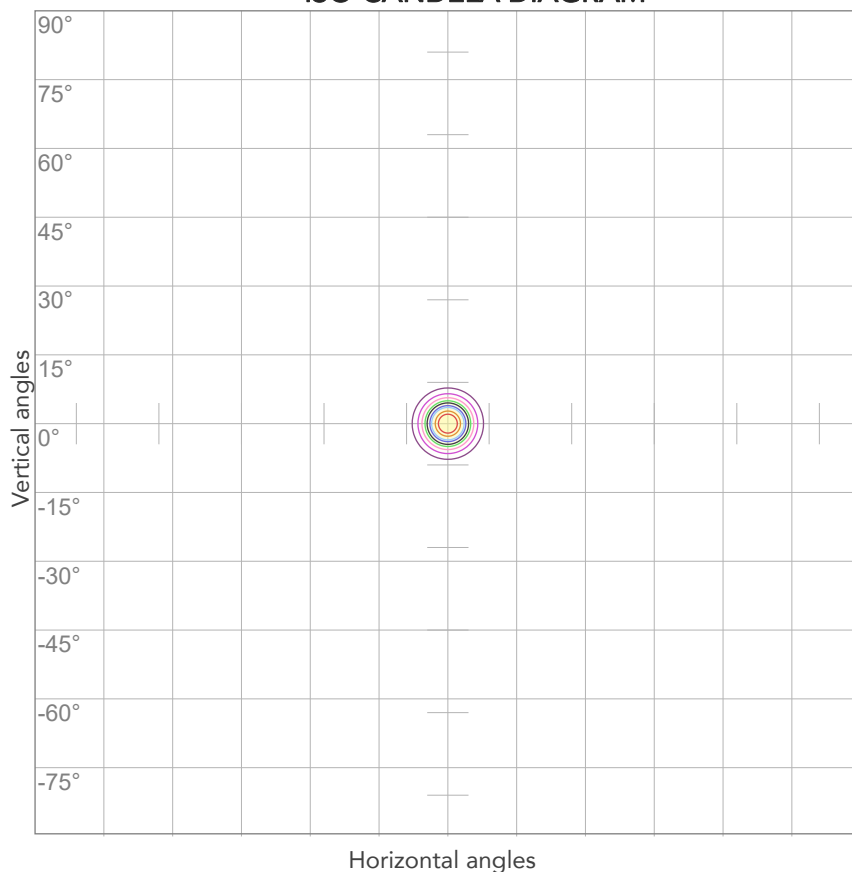


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,459A	85,8W	0,82	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



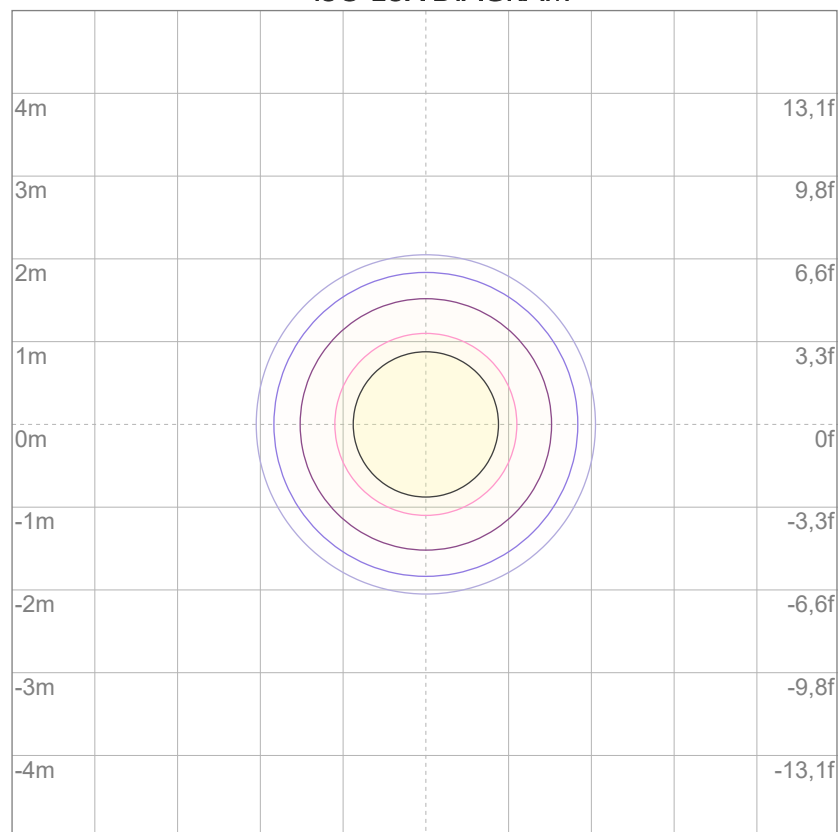
10%	3249 cd
20%	6498 cd
30%	9747 cd
40%	12996 cd
50%	16246 cd
60%	19495 cd
70%	22744 cd
80%	25993 cd

Conditions:

Number of c-planes: 2

Candela at center: 32491 cd

ISO LUX DIAGRAM



3%	9,75 lx
5%	16,2 lx
10%	32,5 lx
30%	97,5 lx
50%	162 lx

Conditions:

Number of c-planes: 2

Lux at center: 325 lx

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



Total lumen output:

471 lm

Peak candela output:

567 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

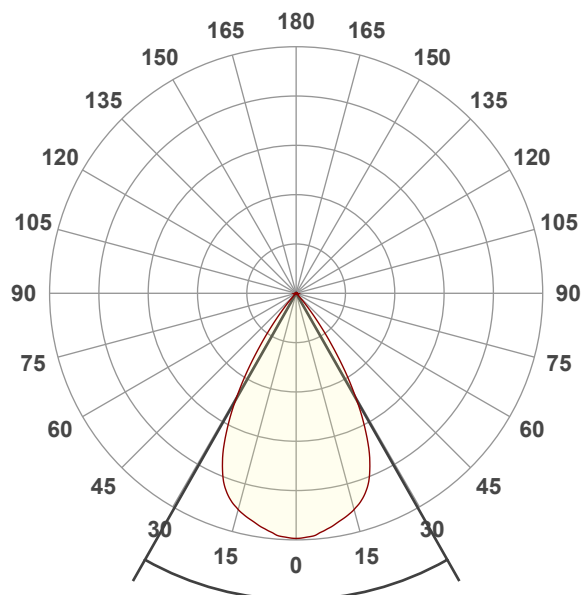
Blue - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 09:34:15

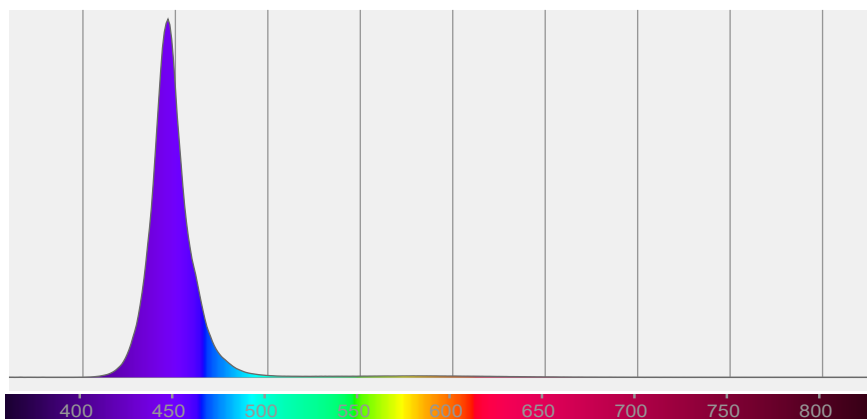


Beam angle 50%: 59,1°

Field angle 10%: 77,4°

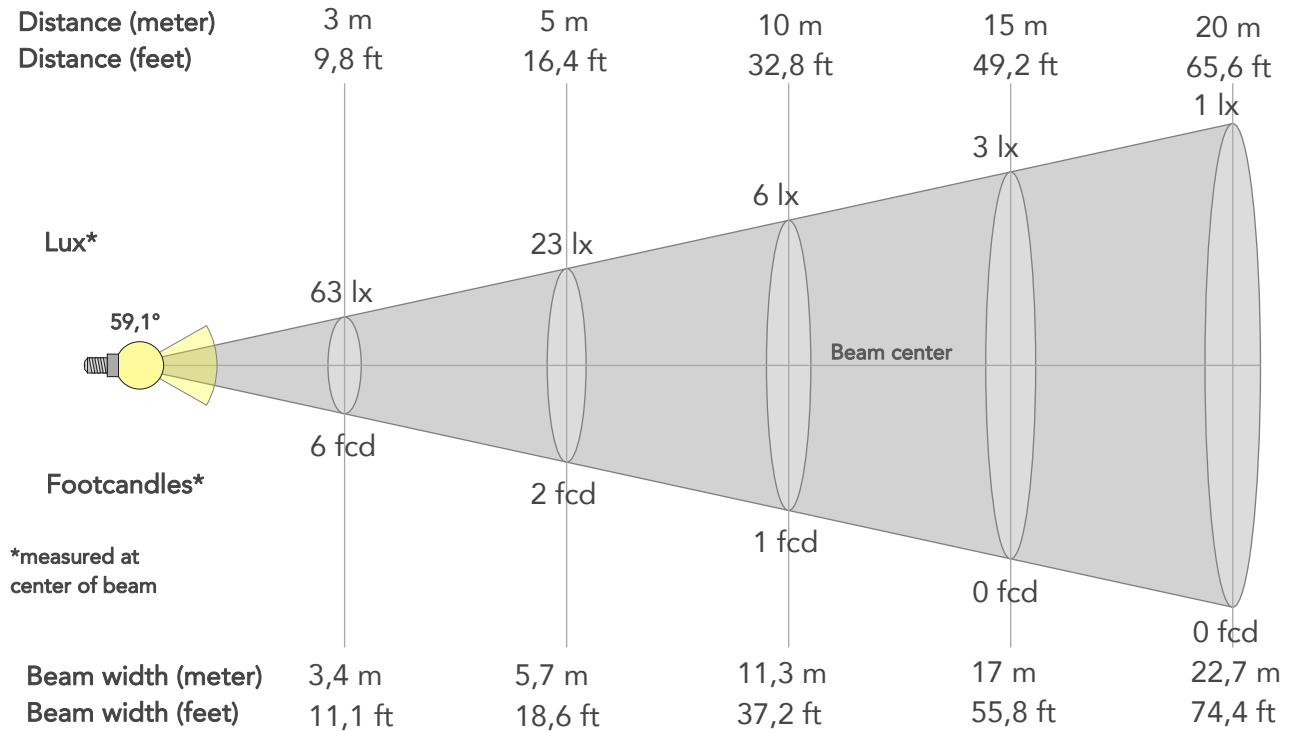
Cut off angle 2.5%: 85,3°

Spectra



BEAM DETAILS

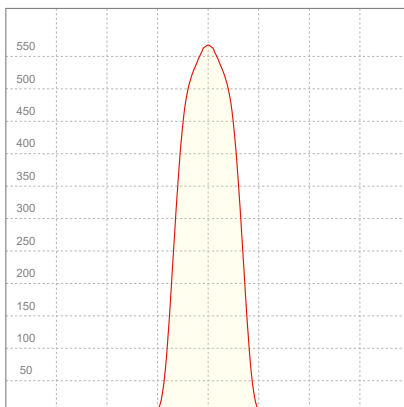
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59,1°	77,4°	85,3°	99,7%	99,3%



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	567lx	142lx	63lx	35lx	23lx	10lx	6lx	3lx	1lx	1lx	1lx	0lx	0lx
Footcand.	53fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,5m	5,7m	8,5m	11,3m	17m	22,7m	28,4m	34m	45,4m	56,7m
Beam wid.	3,7ft	7,5ft	11,1ft	14,9ft	18,6ft	27,9ft	37,2ft	55,8ft	74,4ft	93ft	111,6ft	148,8ft	186,1ft

LINEAR DISTRIBUTION DIAGRAM

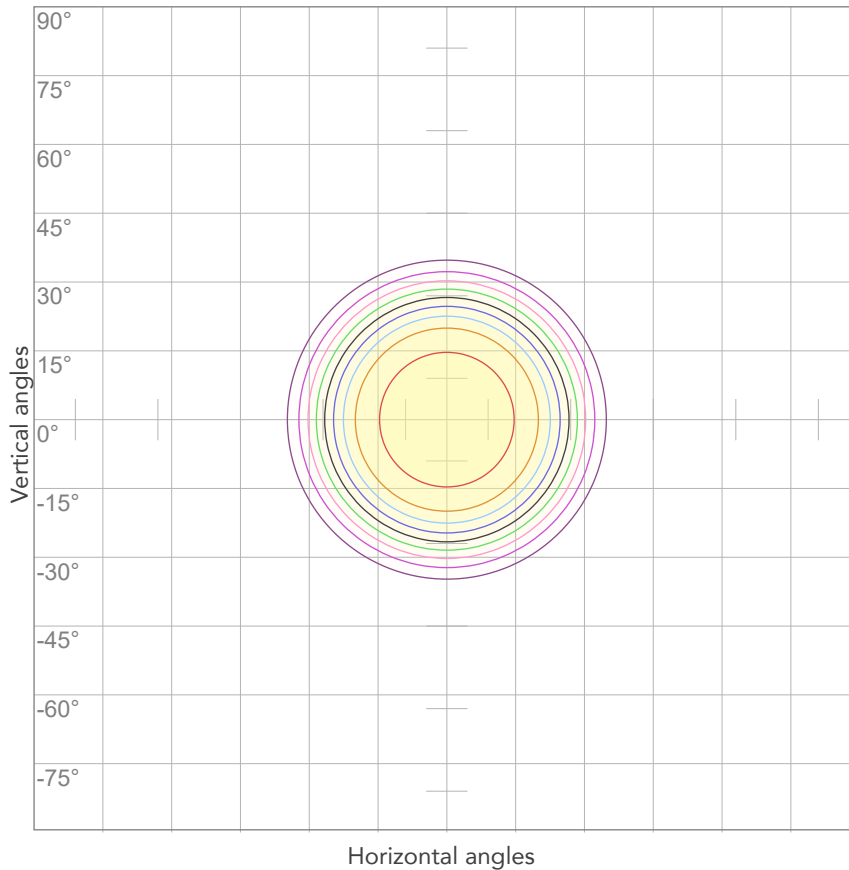


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,467A	88,6W	0,83	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



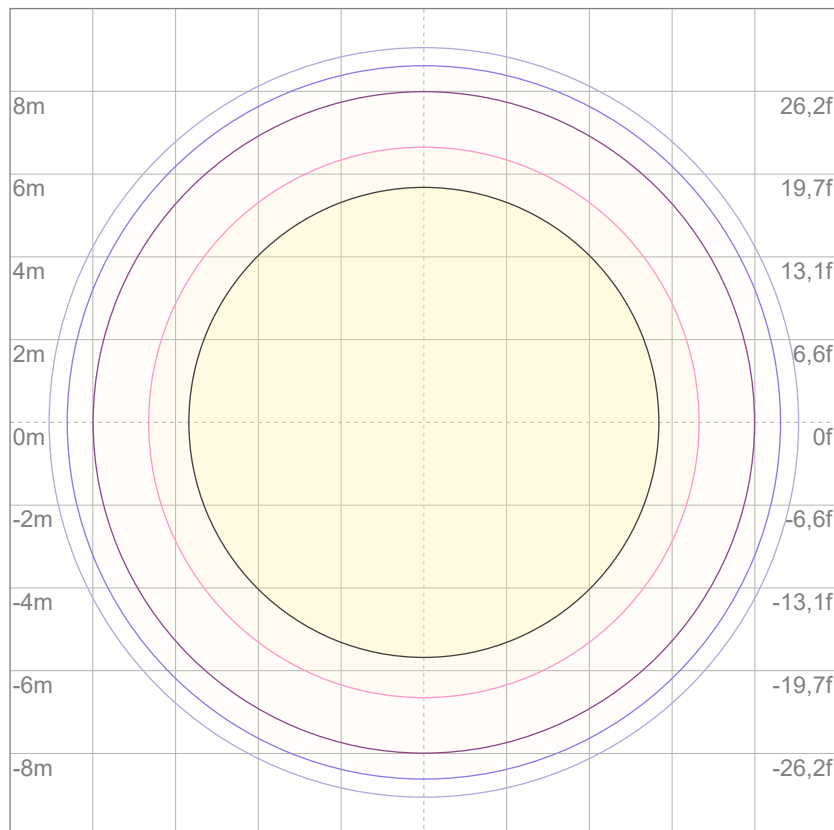
10%	57 cd
20%	113 cd
30%	170 cd
40%	227 cd
50%	284 cd
60%	340 cd
70%	397 cd
80%	454 cd

Conditions:

Number of c-planes: 2

Candela at center: 567 cd

ISO LUX DIAGRAM



3%	0,170 lx
5%	0,284 lx
10%	0,567 lx
30%	1,70 lx
50%	2,84 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,67 lx

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



Total lumen output:

388 lm

Peak candela output:

1974 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

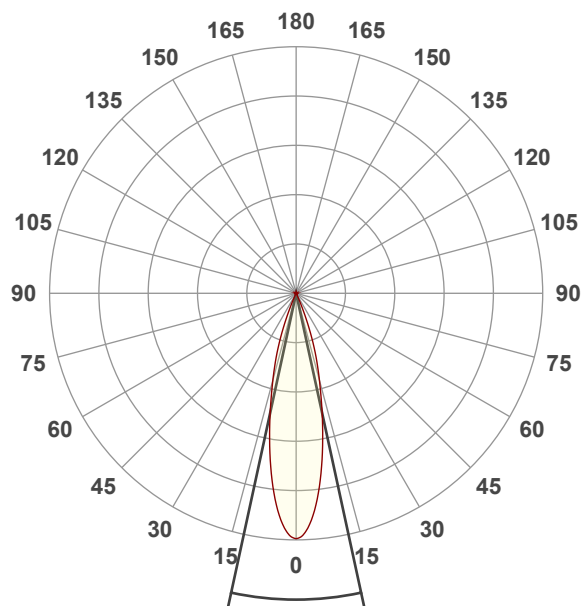
Blue - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 14:10:51

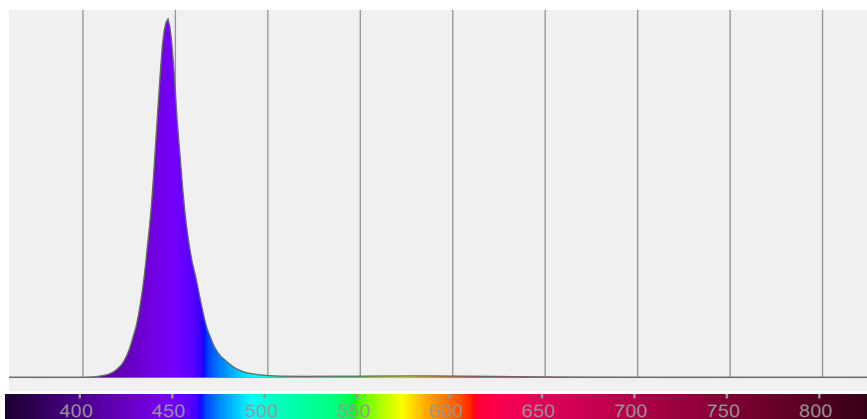


Beam angle 50%: 24,5°

Field angle 10%: 43,4°

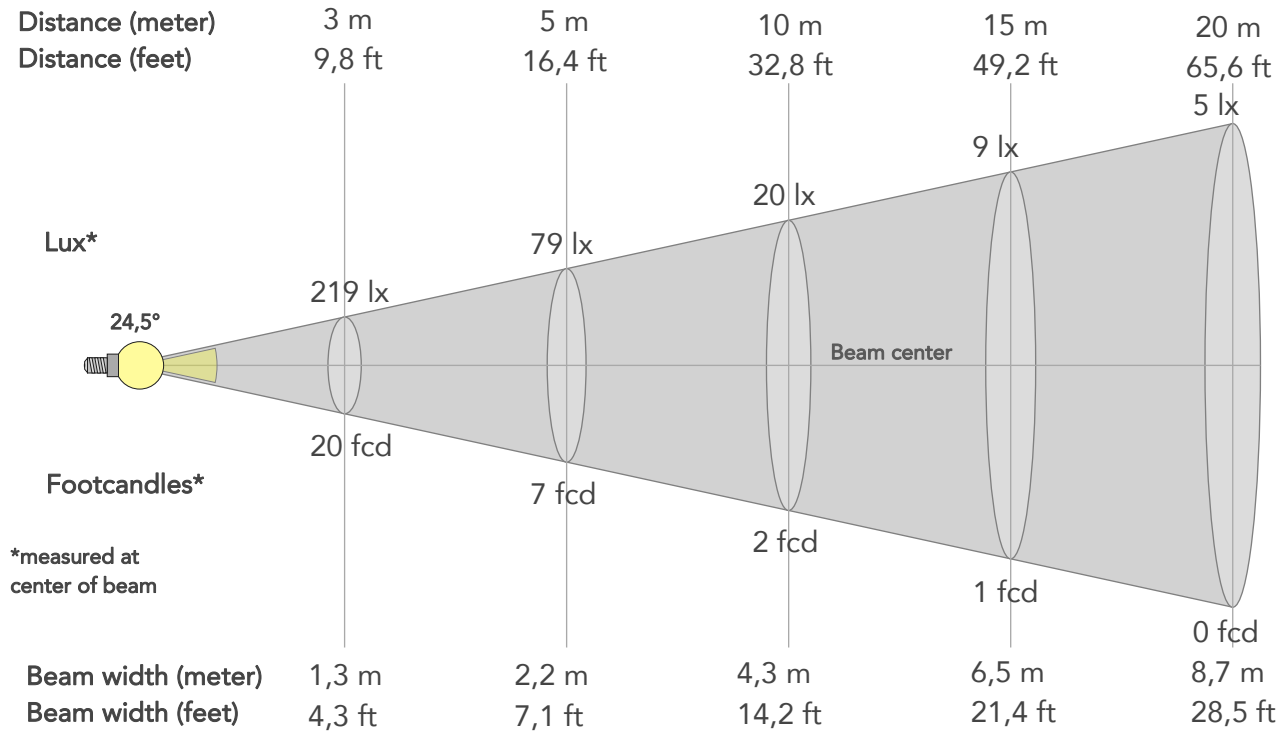
Cut off angle 2.5%: 49,4°

Spectra



BEAM DETAILS

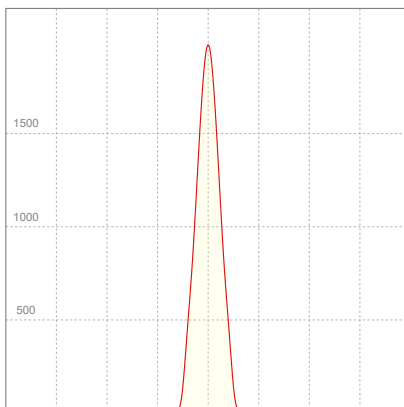
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,5°	43,4°	49,4°	99,7%	99,2%



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	1974lx	493lx	219lx	123lx	79lx	35lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	183fcd	46fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,2m	3,3m	4,3m	6,5m	8,7m	10,9m	13m	17,4m	21,7m
Beam wid.	1,4ft	2,9ft	4,3ft	5,7ft	7,1ft	10,7ft	14,2ft	21,4ft	28,5ft	35,6ft	42,7ft	57ft	71,2ft

LINEAR DISTRIBUTION DIAGRAM

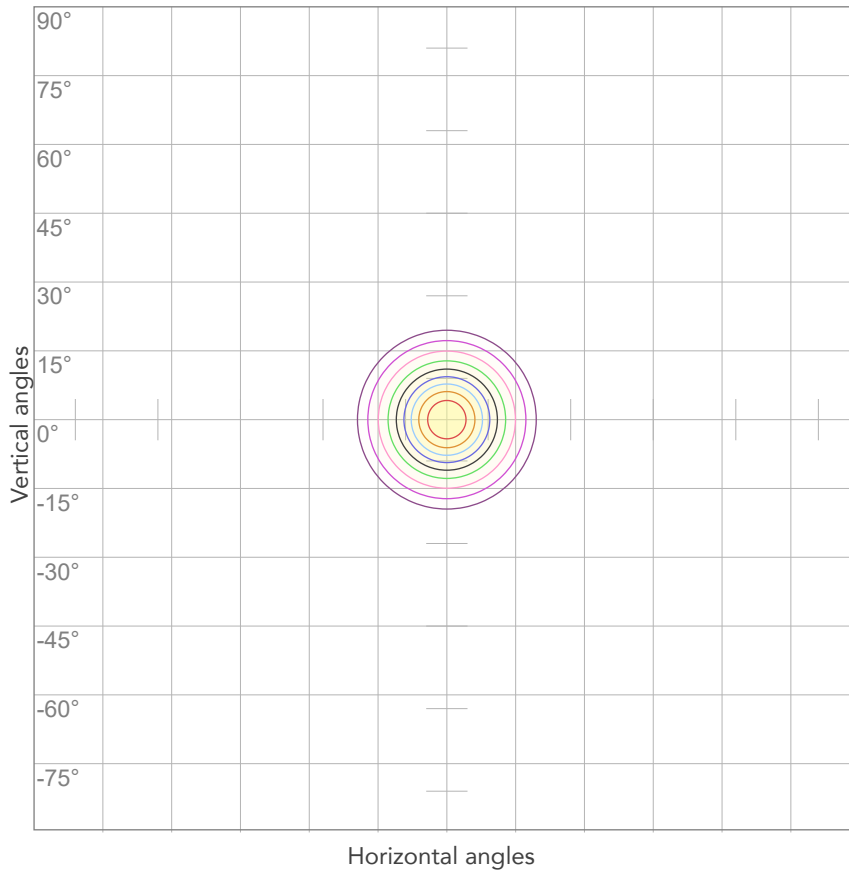


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,497A	98,8W	0,88	4lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



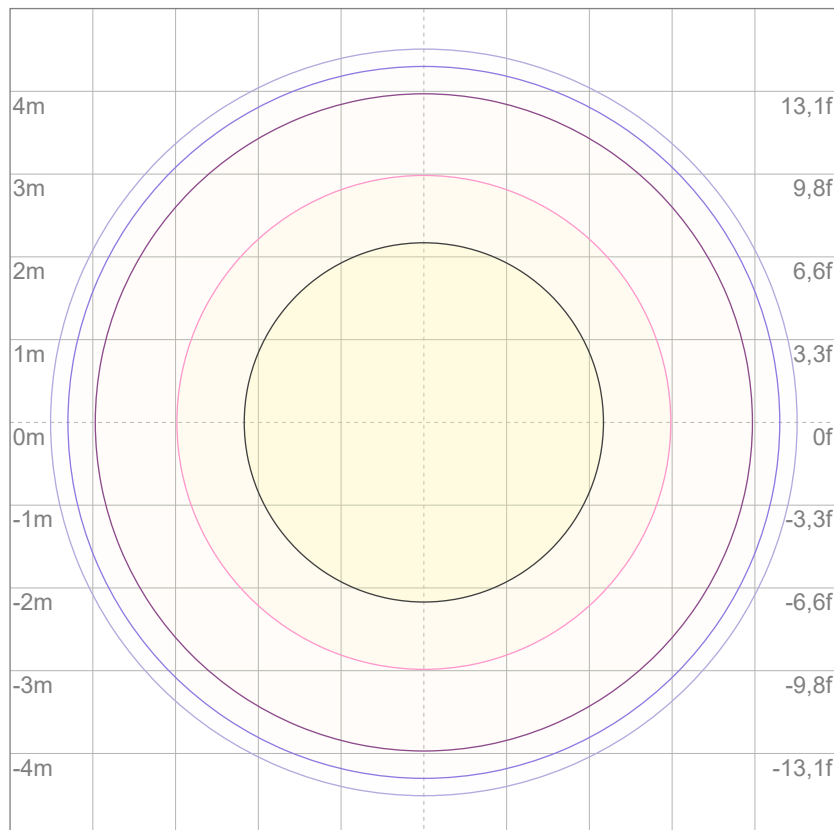
10%	197 cd
20%	395 cd
30%	592 cd
40%	789 cd
50%	987 cd
60%	1184 cd
70%	1382 cd
80%	1579 cd

Conditions:

Number of c-planes: 2

Candela at center: 1974 cd

ISO LUX DIAGRAM



3%	0,592 lx
5%	0,987 lx
10%	1,97 lx
30%	5,92 lx
50%	9,87 lx

Conditions:

Number of c-planes: 2

Lux at center: 19,7 lx

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



Total lumen output:

224 lm

Peak candela output:

5980 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

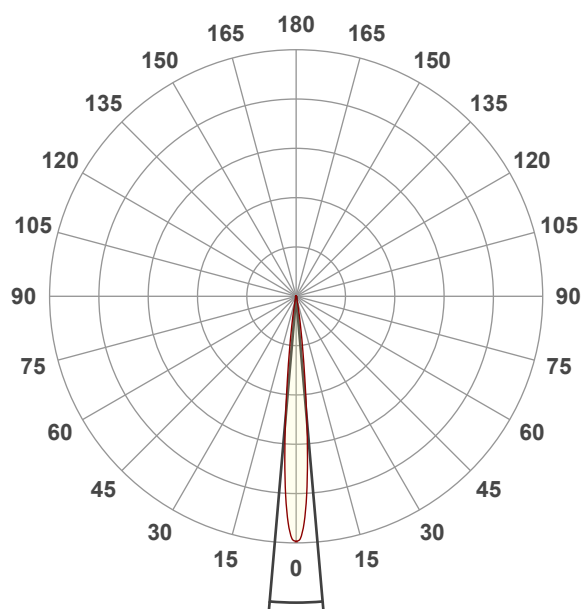
Blue - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 10:44:53

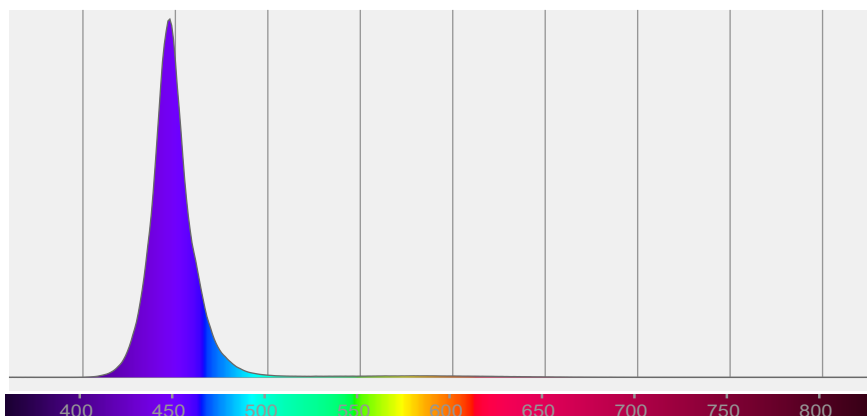


Beam angle 50%: 9,9°

Field angle 10%: 17,8°

Cut off angle 2.5%: 23,9°

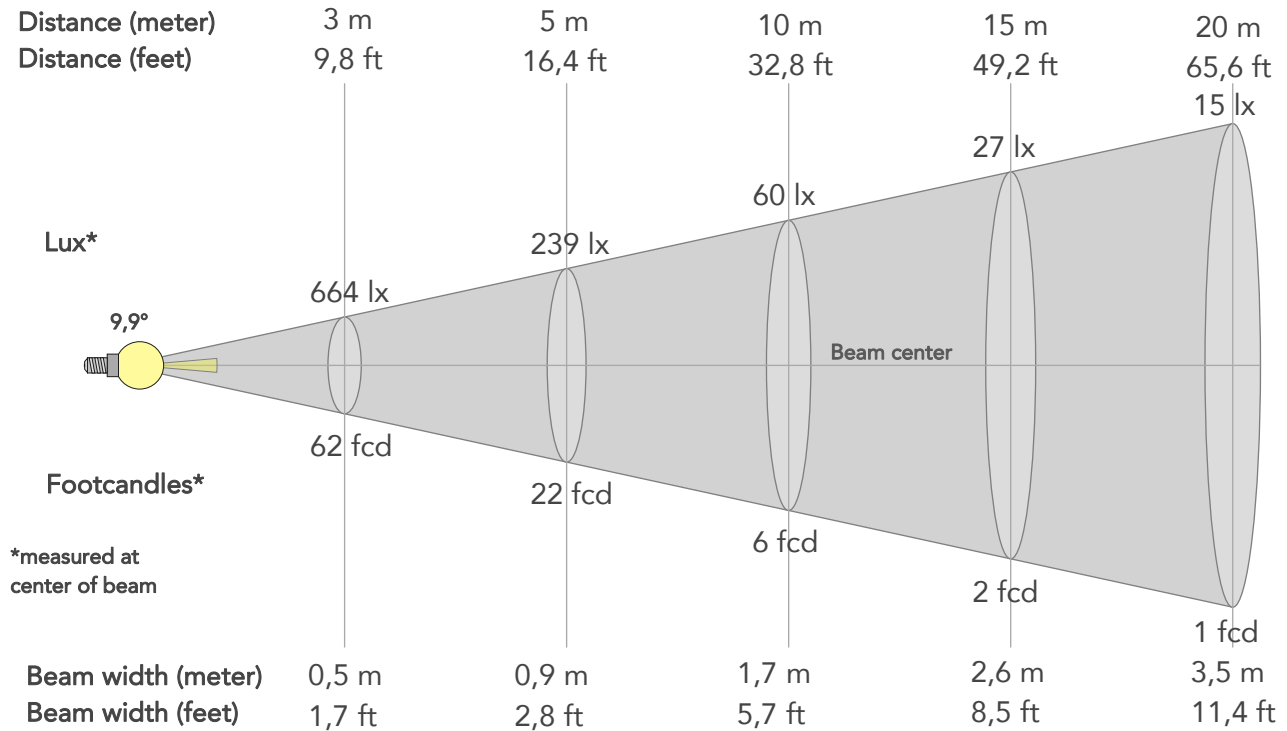
Spectra



BEAM DETAILS



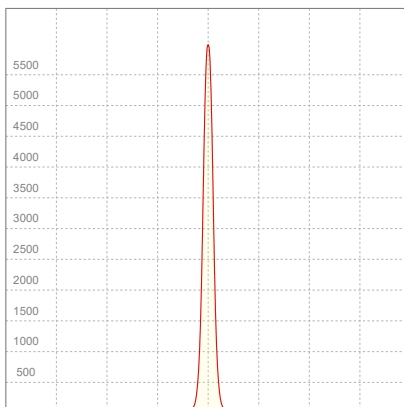
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	17,8°	23,9°	99,3%	98,3%



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	5980lx	1495lx	664lx	374lx	239lx	106lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	556fcd	139fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	6,9m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,3ft	5,7ft	8,5ft	11,4ft	14,2ft	17,1ft	22,8ft	28,5ft

LINEAR DISTRIBUTION DIAGRAM

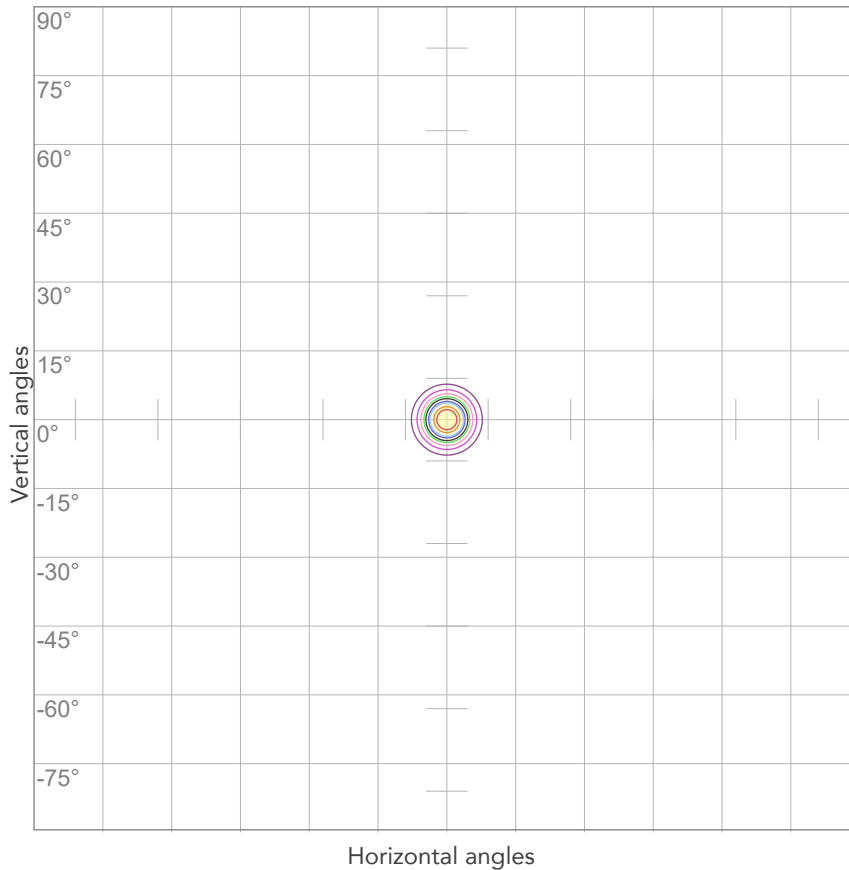


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,470A	89,4W	0,84	3lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



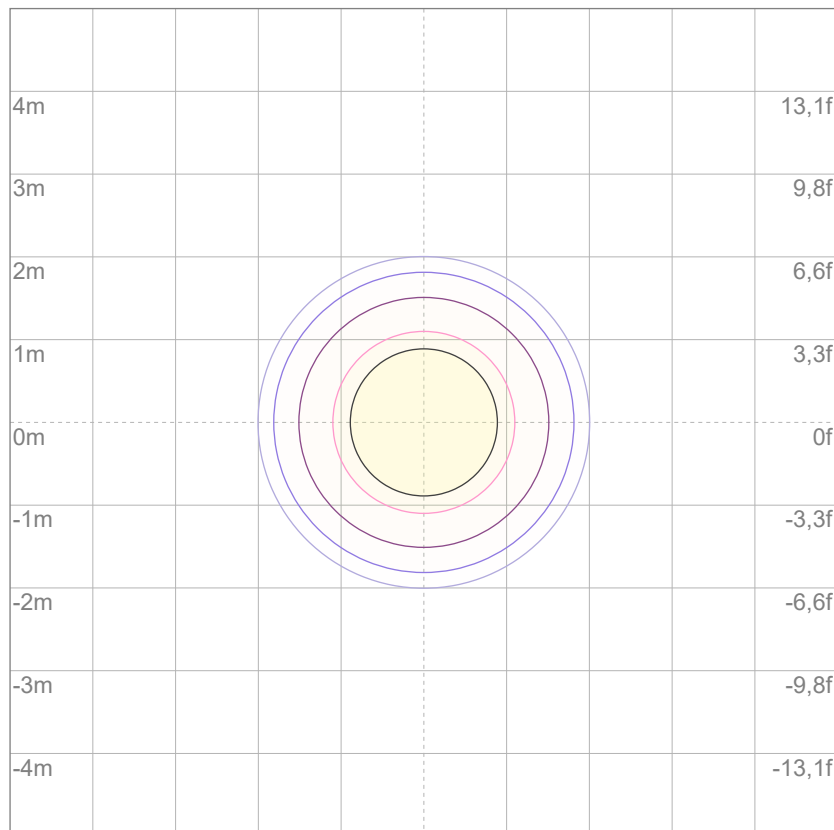
10%	598 cd
20%	1196 cd
30%	1794 cd
40%	2392 cd
50%	2990 cd
60%	3588 cd
70%	4186 cd
80%	4784 cd

Conditions:

Number of c-planes: 2

Candela at center: 5980 cd

ISO LUX DIAGRAM



3%	1,79 lx
5%	2,99 lx
10%	5,98 lx
30%	17,9 lx
50%	29,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 59,8 lx

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



Total lumen output:

540 lm

Peak candela output:

643 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

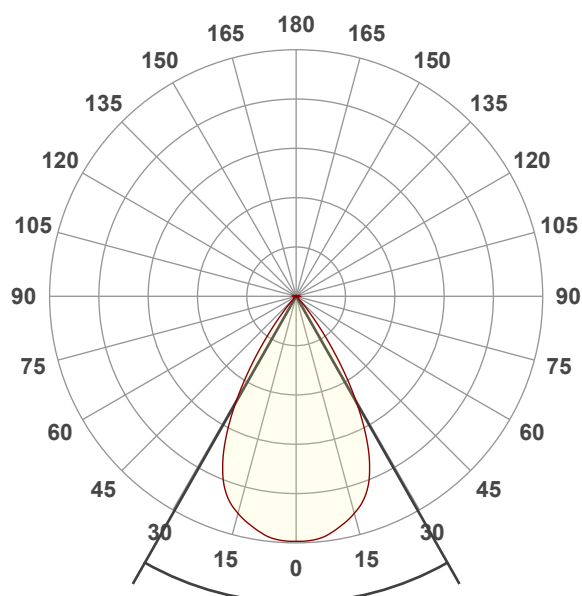
Cyan - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 09:38:33

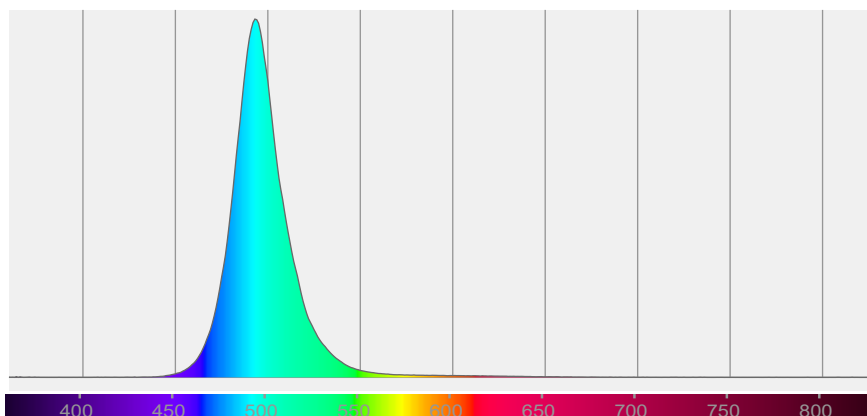


Beam angle 50%: 59,2°

Field angle 10%: 77,8°

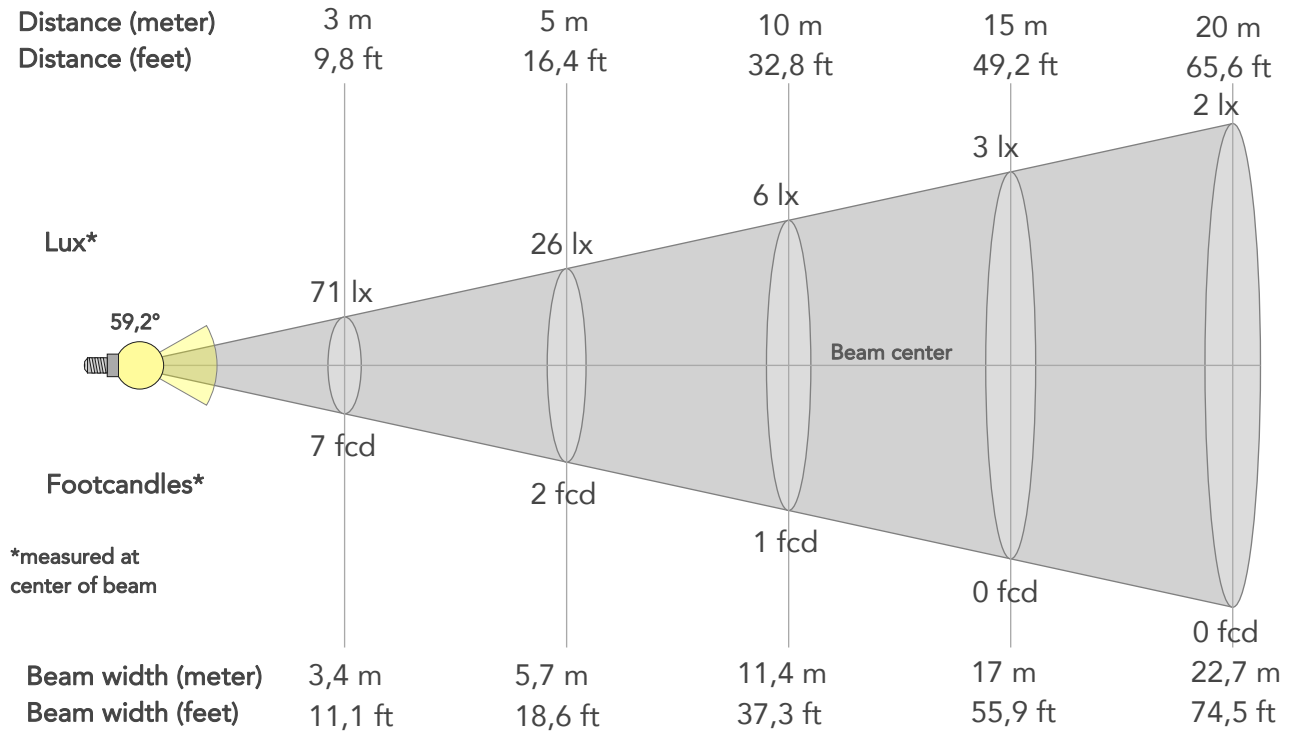
Cut off angle 2.5%: 86,1°

Spectra



BEAM DETAILS

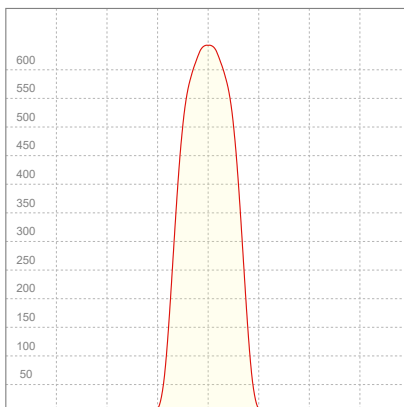
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
59,2°	77,8°	86,1°	99,5%	98,9%



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	643lx	161lx	71lx	40lx	26lx	11lx	6lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	60fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,3m	3,4m	4,5m	5,7m	8,5m	11,4m	17m	22,7m	28,4m	34,1m	45,4m	56,8m
Beam wid.	3,7ft	7,5ft	11,1ft	14,9ft	18,6ft	27,9ft	37,3ft	55,9ft	74,5ft	93,1ft	111,8ft	149ft	186,3ft

LINEAR DISTRIBUTION DIAGRAM

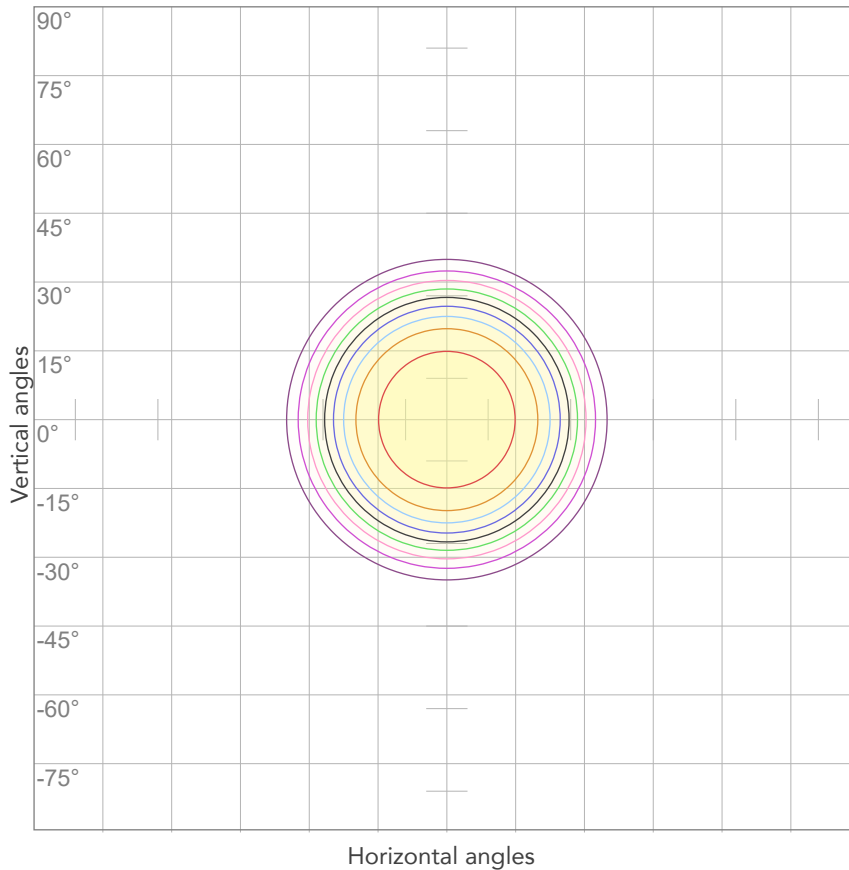


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,478A	43,5W	0,4	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



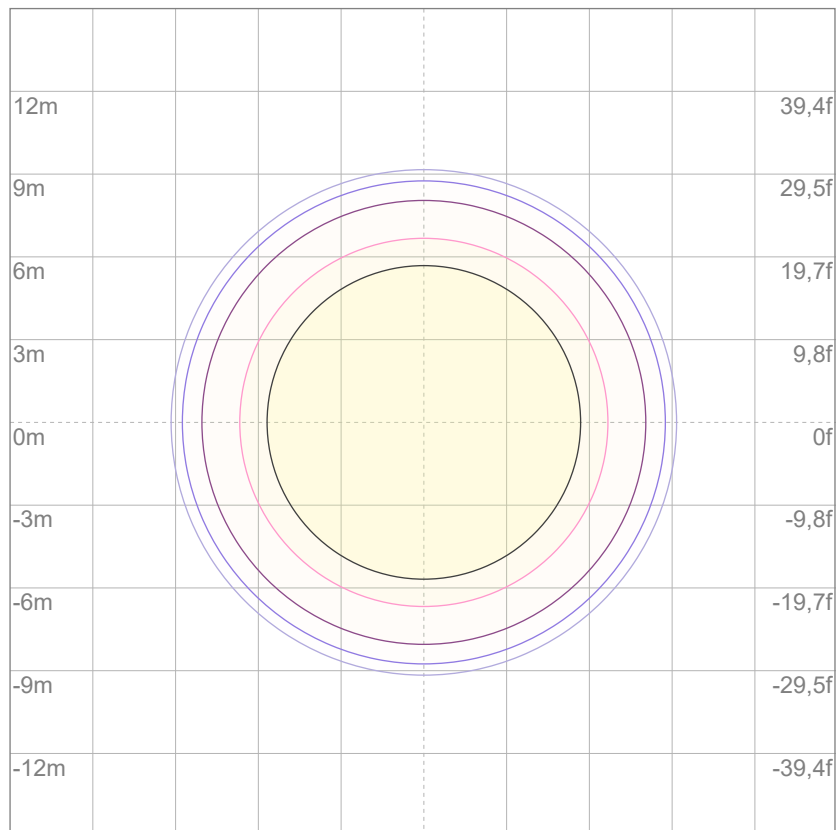
10%	64 cd
20%	129 cd
30%	193 cd
40%	257 cd
50%	321 cd
60%	386 cd
70%	450 cd
80%	514 cd

Conditions:

Number of c-planes: 2

Candela at center: 643 cd

ISO LUX DIAGRAM



3%	0,193 lx
5%	0,321 lx
10%	0,643 lx
30%	1,93 lx
50%	3,21 lx

Conditions:

Number of c-planes: 2

Lux at center: 6,43 lx

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



Total lumen output:

445 lm

Peak candela output:

2216 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

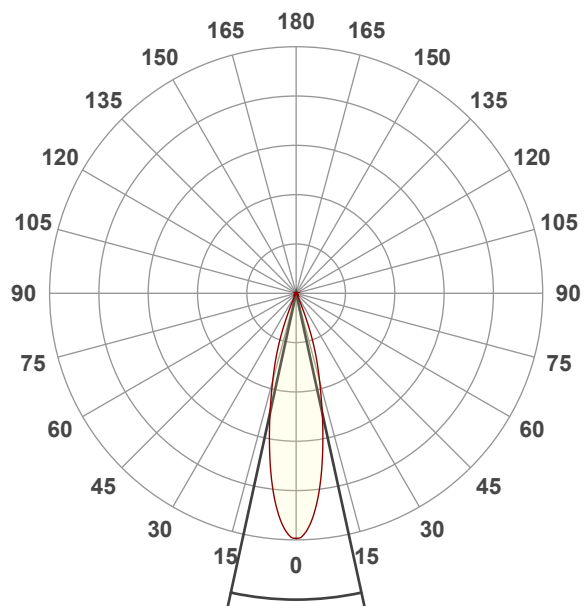
Cyan - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 14:23:02

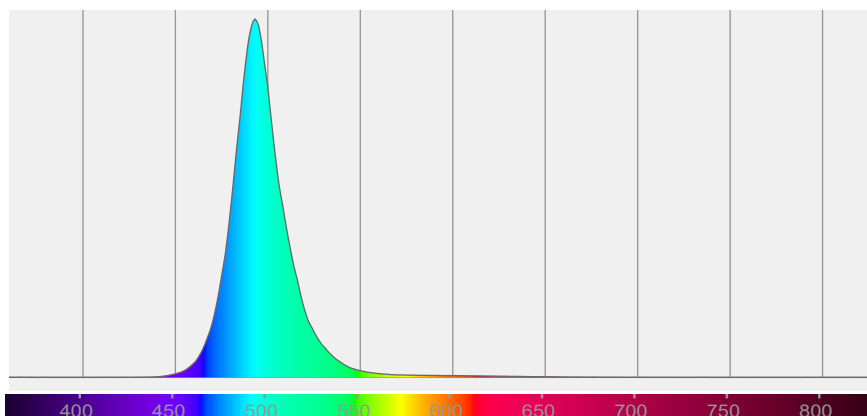


Beam angle 50%: 24,6°

Field angle 10%: 43,6°

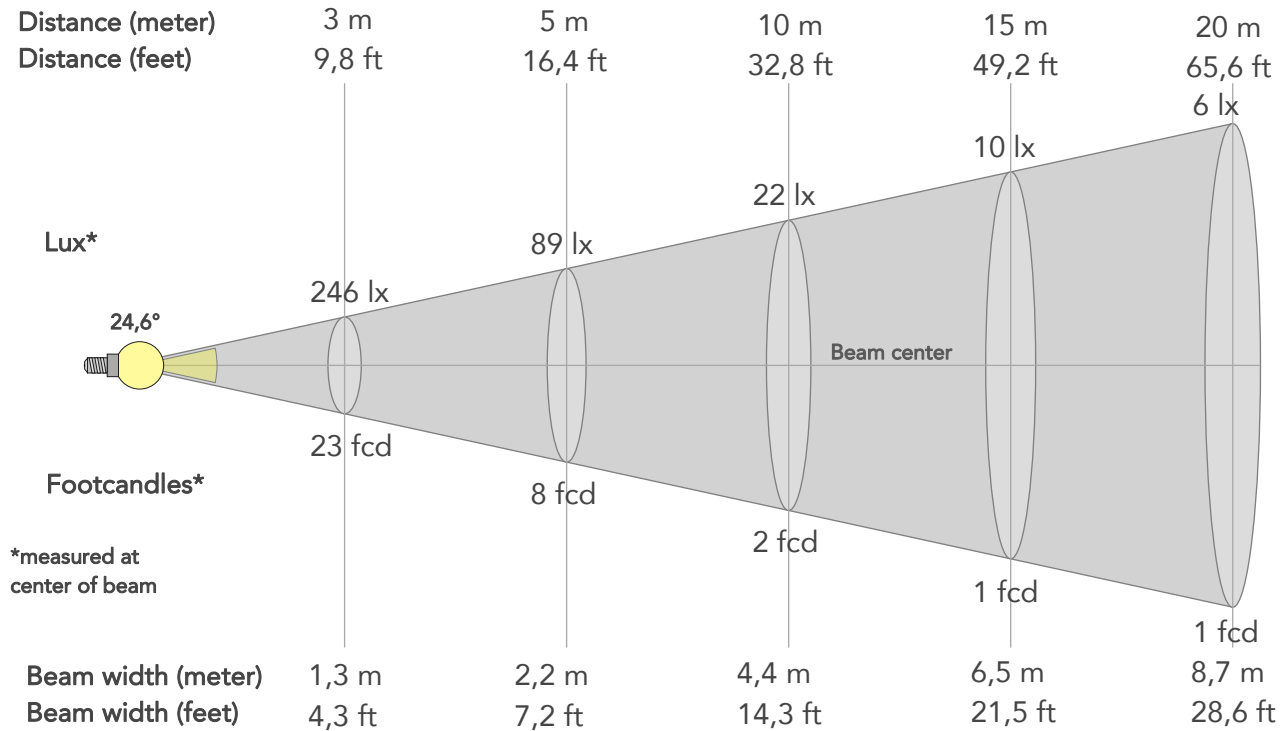
Cut off angle 2.5%: 49,9°

Spectra



BEAM DETAILS

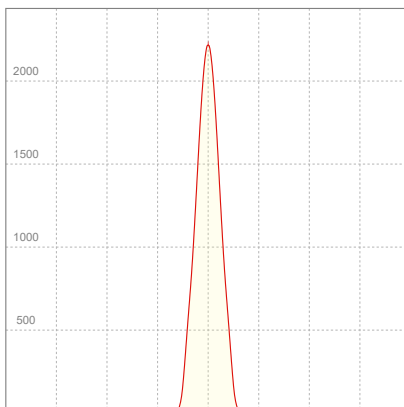
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,6°	43,6°	49,9°	99,5%	98,8%



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	2216lx	554lx	246lx	138lx	89lx	39lx	22lx	10lx	6lx	4lx	2lx	1lx	1lx
Footcand.	206fcd	51fcd	23fcd	13fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,2m	3,3m	4,4m	6,5m	8,7m	10,9m	13,1m	17,5m	21,8m
Beam wid.	1,4ft	2,9ft	4,3ft	5,7ft	7,2ft	10,7ft	14,3ft	21,5ft	28,6ft	35,8ft	42,9ft	57,3ft	71,6ft

LINEAR DISTRIBUTION DIAGRAM

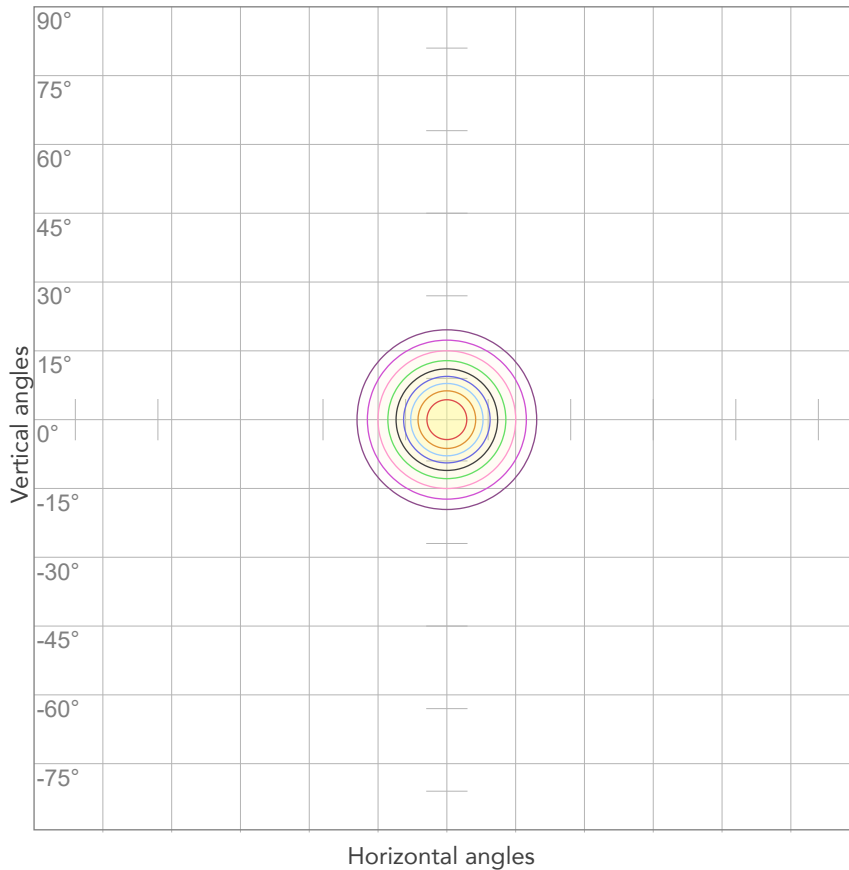


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,384A	52,2W	0,6	9lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



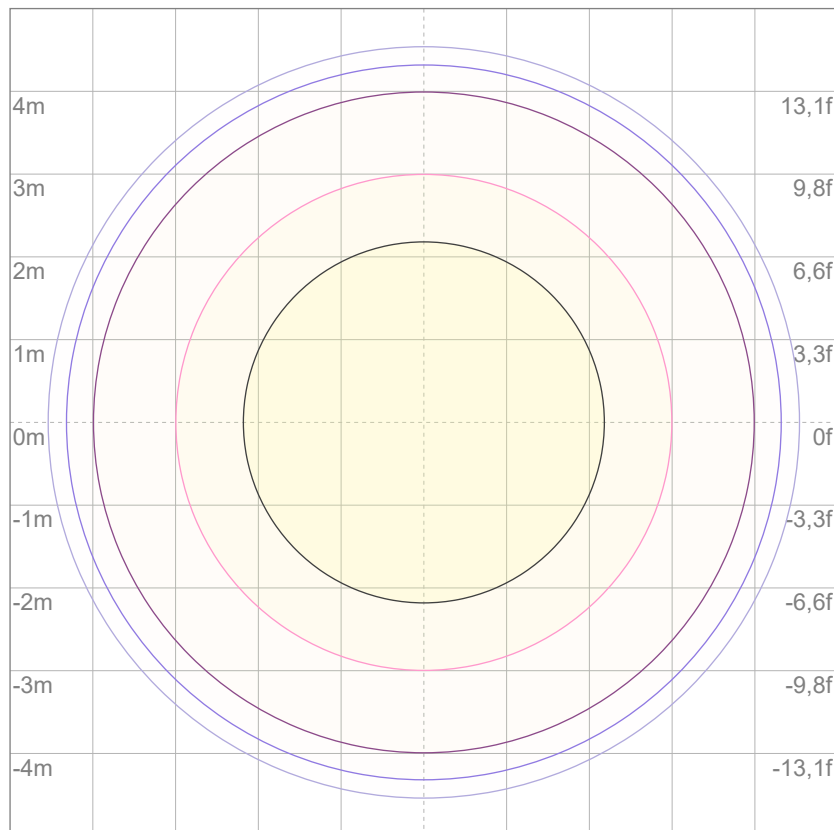
10%	222 cd
20%	443 cd
30%	665 cd
40%	886 cd
50%	1108 cd
60%	1329 cd
70%	1551 cd
80%	1773 cd

Conditions:

Number of c-planes: 2

Candela at center: 2216 cd

ISO LUX DIAGRAM



3%	0,665 lx
5%	1,11 lx
10%	2,22 lx
30%	6,65 lx
50%	11,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 22,2 lx

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



Total lumen output:

258 lm

Peak candela output:

6483 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

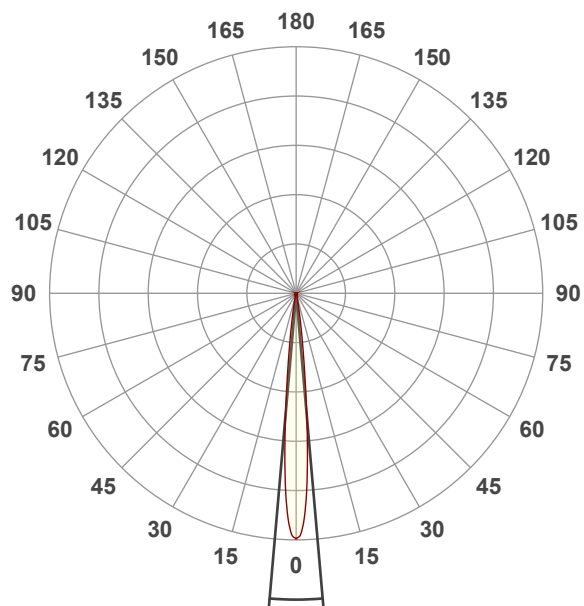
Cyan - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:39:02

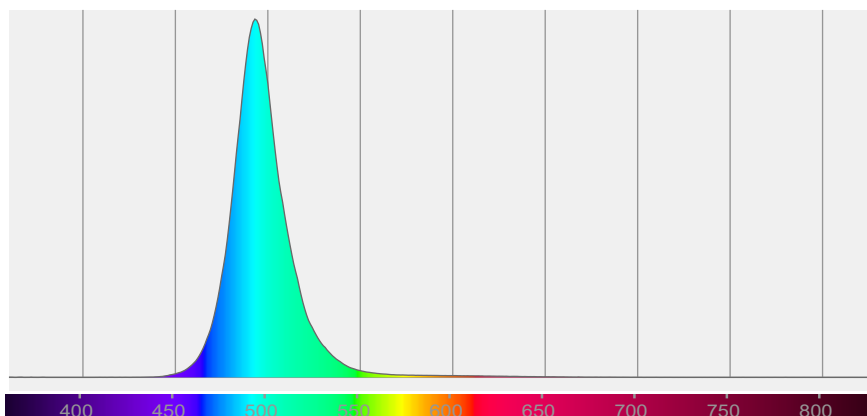


Beam angle 50%: 9,9°

Field angle 10%: 18°

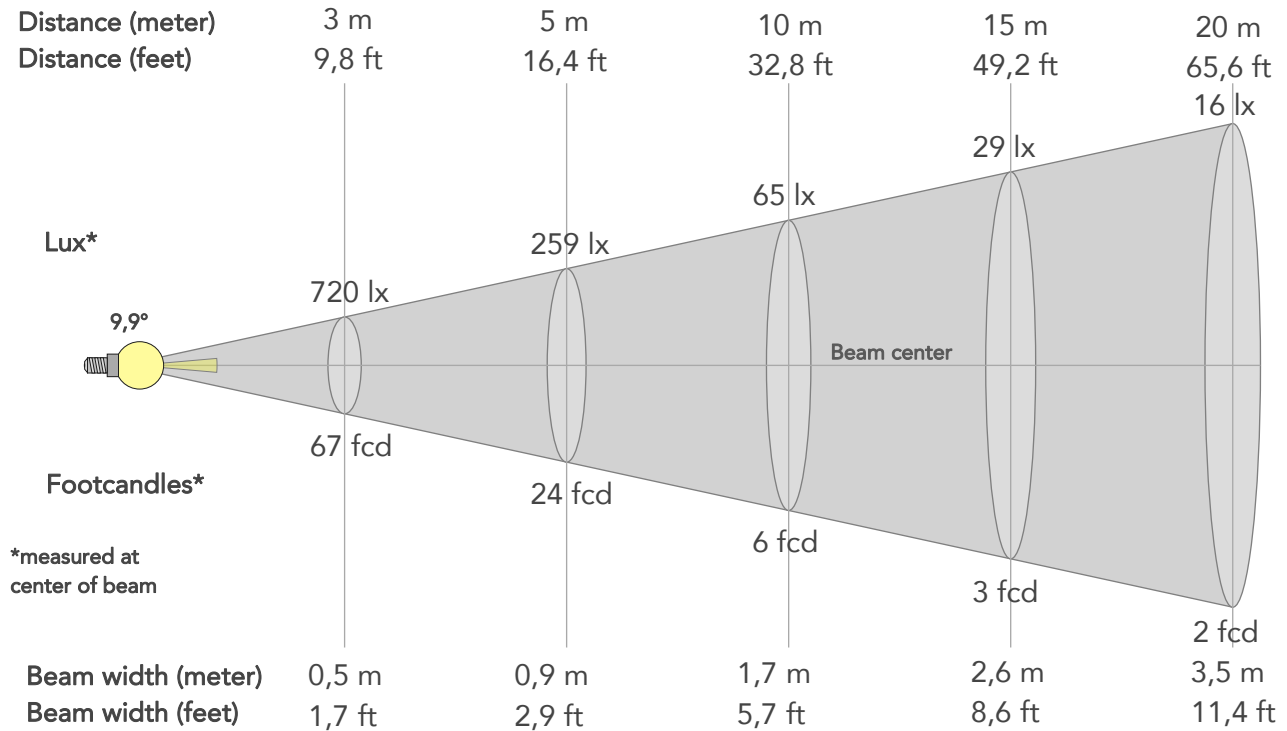
Cut off angle 2.5%: 25°

Spectra



BEAM DETAILS

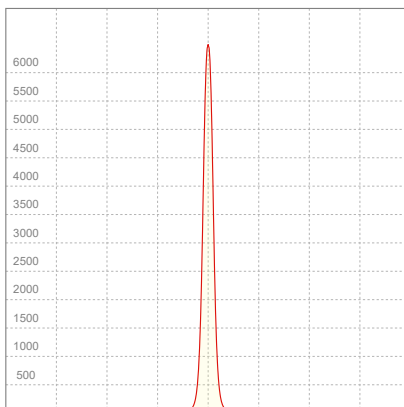
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	18°	25°	99,0%	97,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6483lx	1621lx	720lx	405lx	259lx	115lx	65lx	29lx	16lx	10lx	7lx	4lx	3lx
Footcand.	602fcd	151fcd	67fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	7m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,4ft	14,3ft	17,1ft	22,8ft	28,5ft

LINEAR DISTRIBUTION DIAGRAM

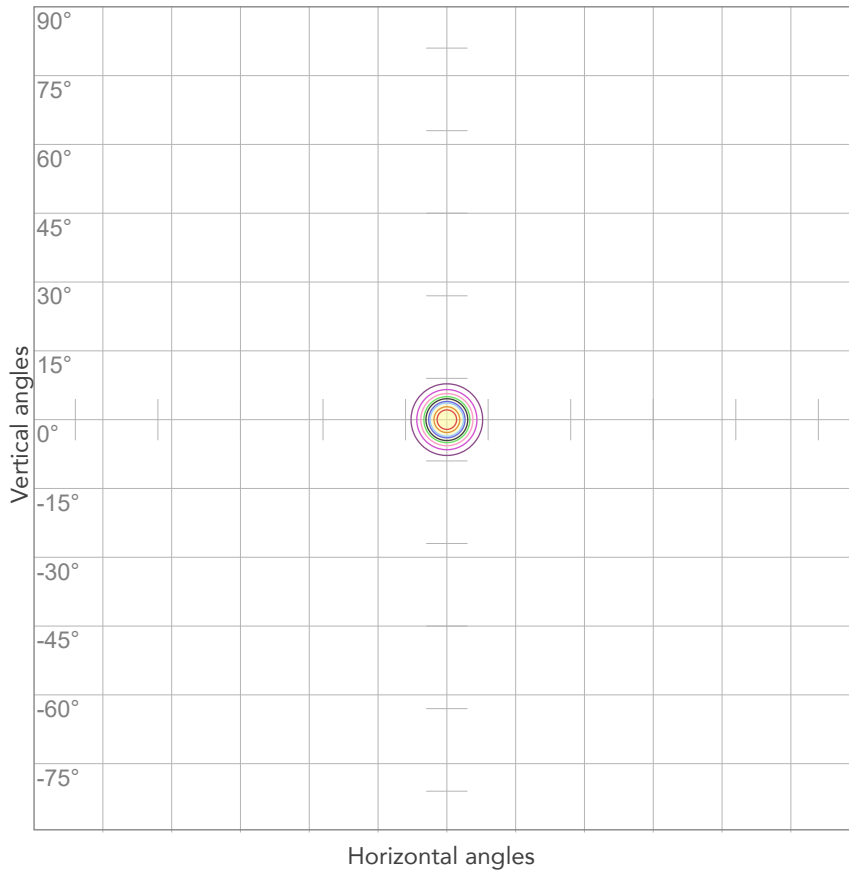


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,504A	50,2W	0,44	5lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



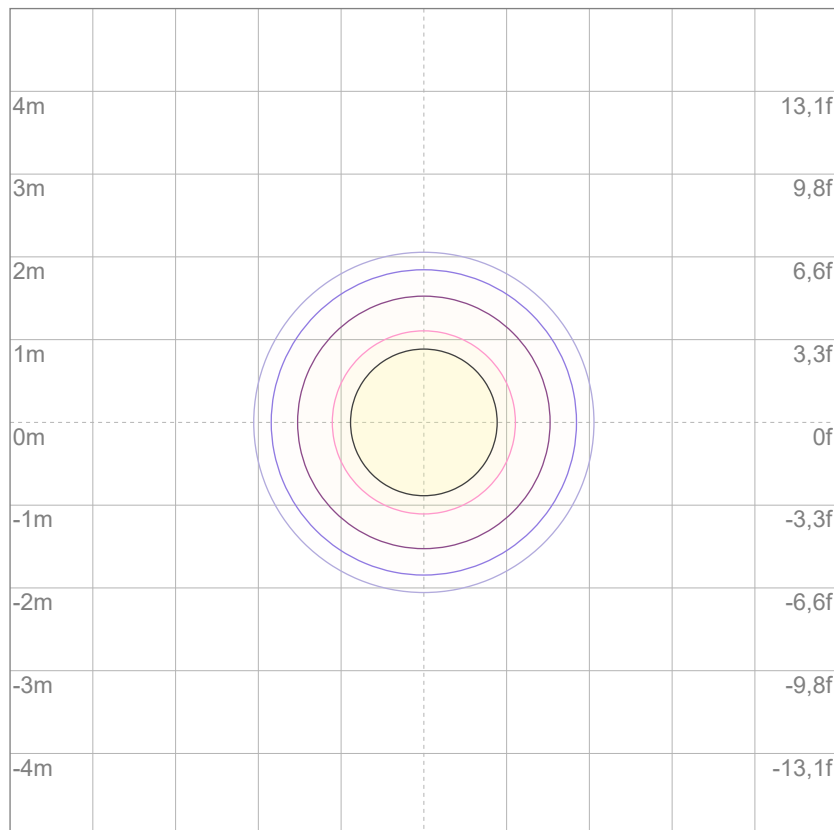
10%	648 cd
20%	1297 cd
30%	1945 cd
40%	2593 cd
50%	3241 cd
60%	3890 cd
70%	4538 cd
80%	5186 cd

Conditions:

Number of c-planes: 2

Candela at center: 6483 cd

ISO LUX DIAGRAM



3%	1,94 lx
5%	3,24 lx
10%	6,48 lx
30%	19,4 lx
50%	32,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 64,8 lx

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



Total lumen output:

9261 lm

Peak candela output:

12178 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

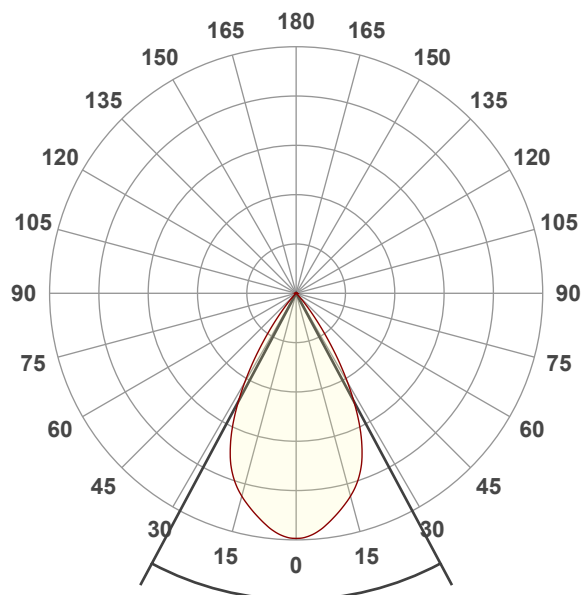
Mint - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 09:54:59

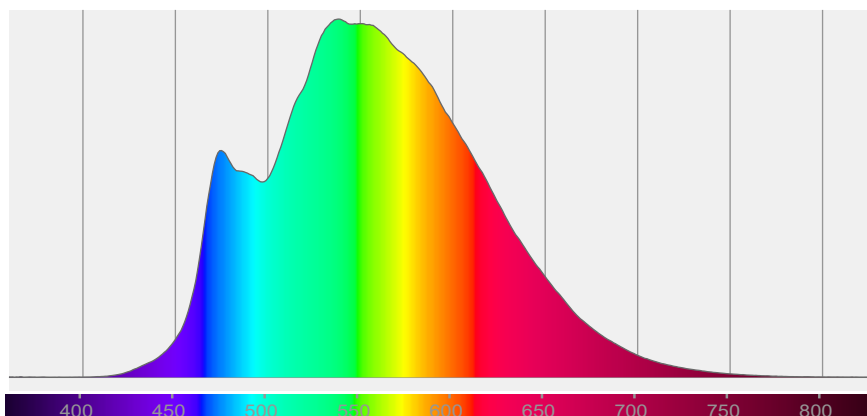


Beam angle 50%: 56,2°

Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

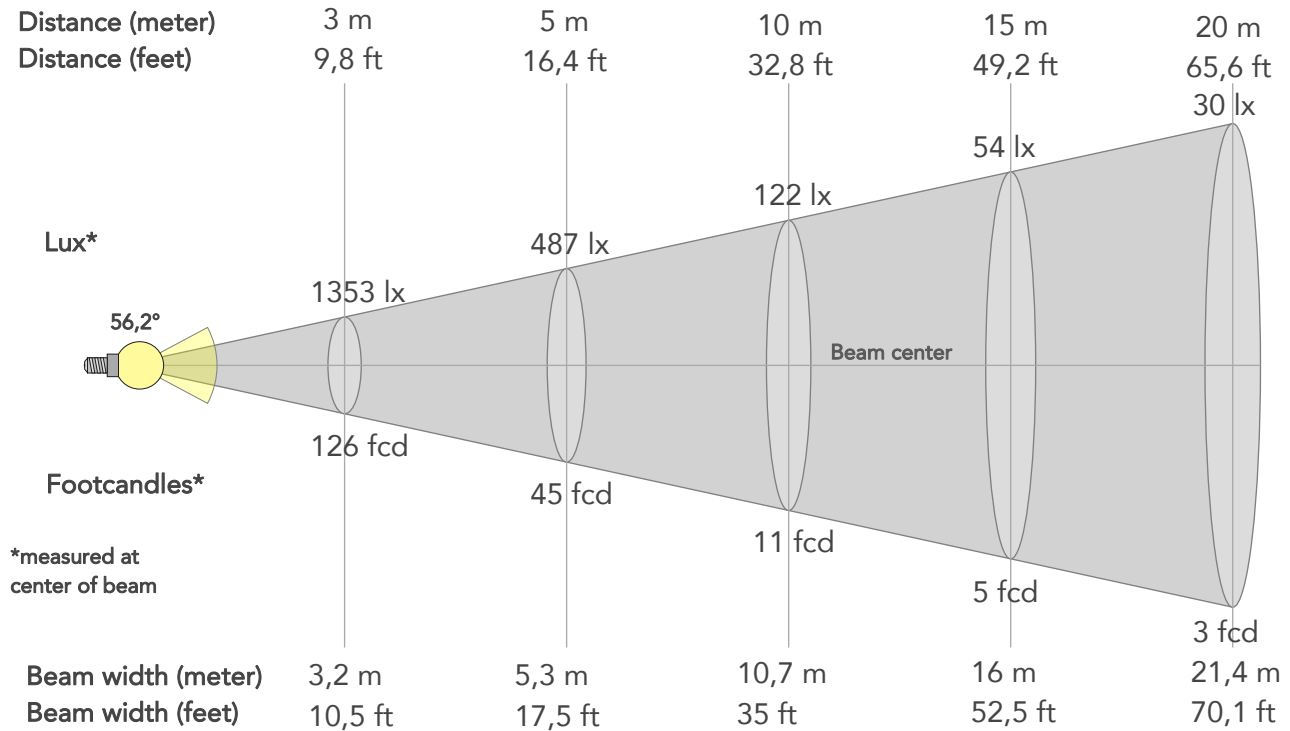
Spectra



BEAM DETAILS



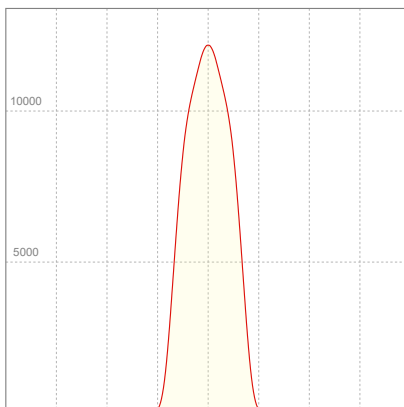
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,2°	76,8°	85,5°	99,7%	99,2%



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	12178lx	3044lx	1353lx	761lx	487lx	216lx	122lx	54lx	30lx	19lx	14lx	8lx	5lx
Footcand.	1131fcd	283fcd	126fcd	71fcd	45fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,4m	26,7m	32m	42,7m	53,4m
Beam wid.	3,5ft	7ft	10,5ft	14ft	17,5ft	26,3ft	35ft	52,5ft	70,1ft	87,6ft	105,1ft	140,1ft	175,2ft

LINEAR DISTRIBUTION DIAGRAM

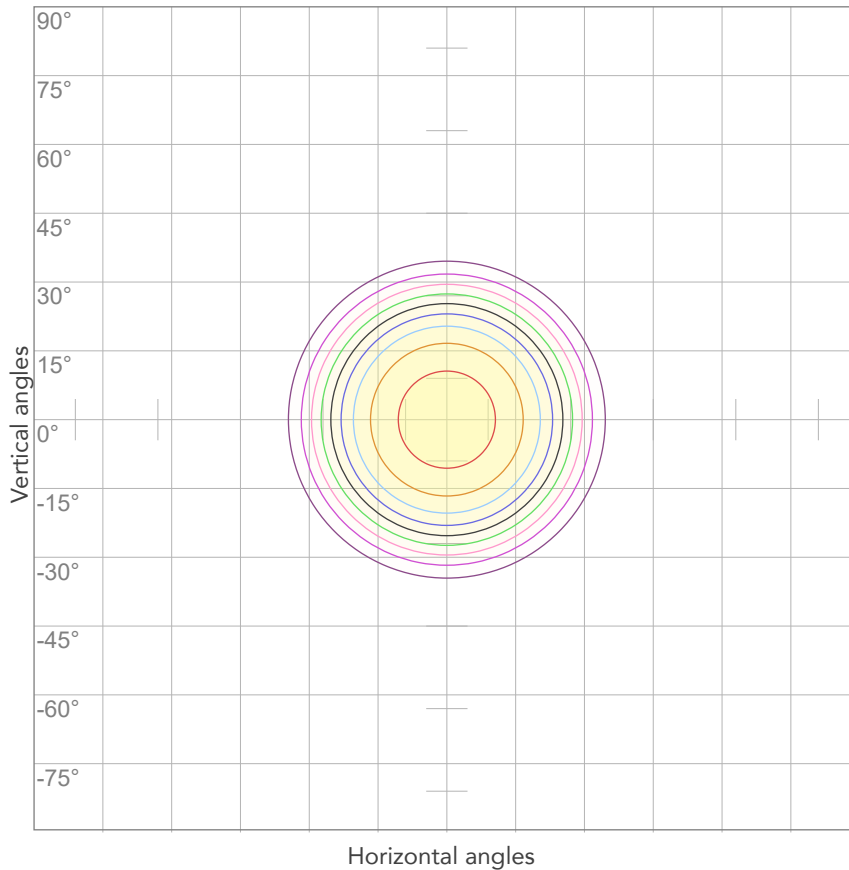


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,926A	206,1W	0,98	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



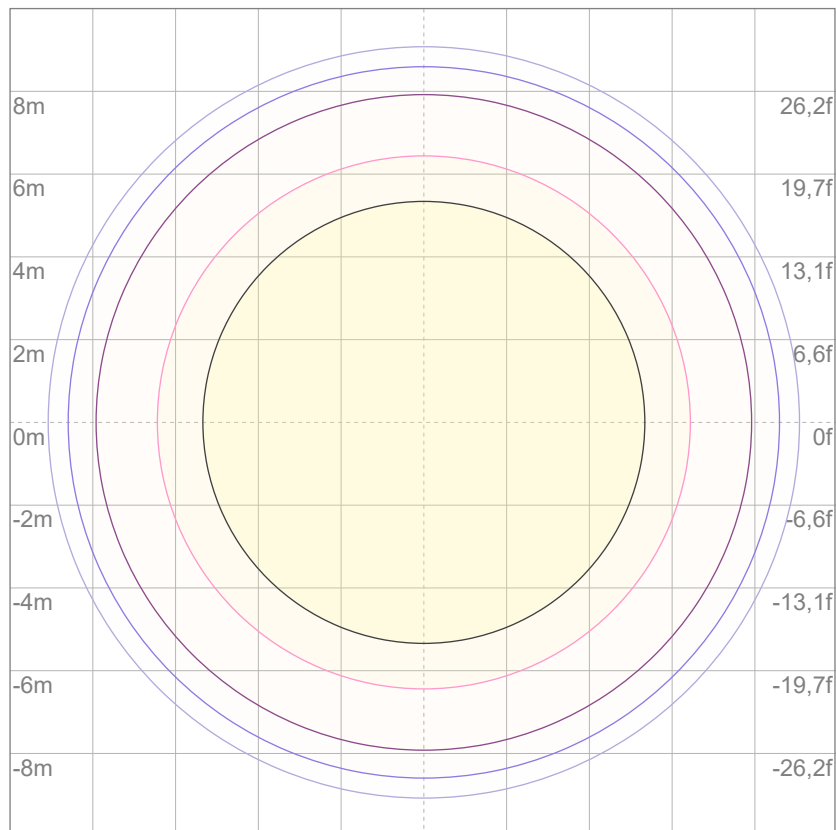
10%	1218 cd
20%	2436 cd
30%	3653 cd
40%	4871 cd
50%	6089 cd
60%	7307 cd
70%	8524 cd
80%	9742 cd

Conditions:

Number of c-planes: 2

Candela at center: 12178 cd

ISO LUX DIAGRAM



3%	3,65 lx
5%	6,09 lx
10%	12,2 lx
30%	36,5 lx
50%	60,9 lx

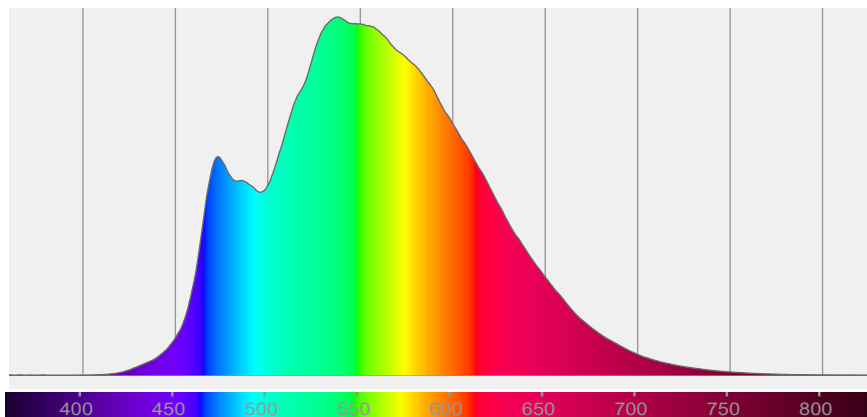
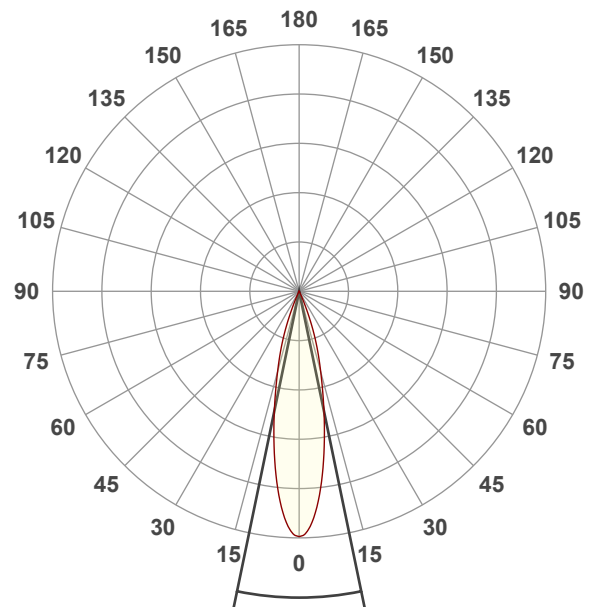
Conditions:

Number of c-planes: 2

Lux at center: 122 lx

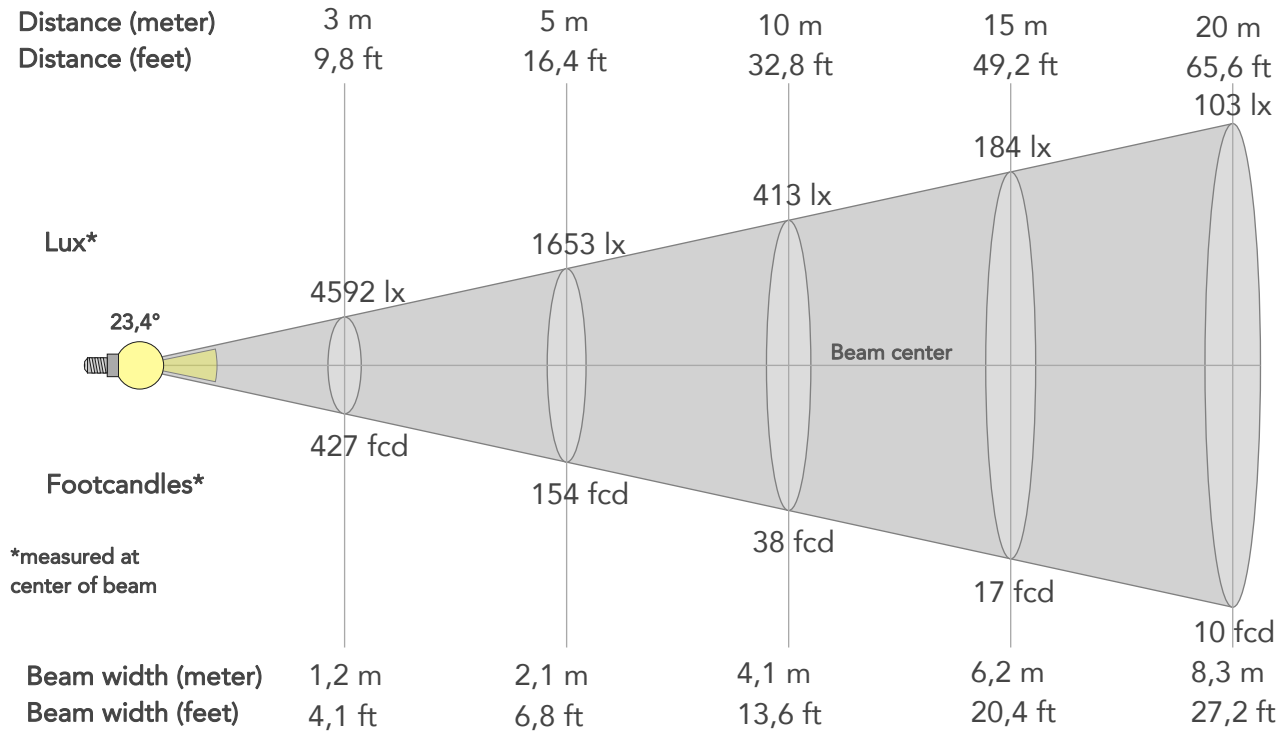
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

41324 cd



BEAM DETAILS

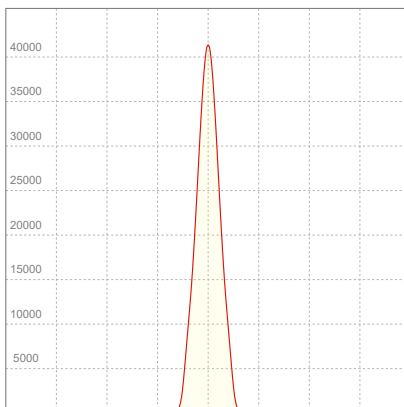
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,2°	49,8°	99,6%	98,8%



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	41324lx	10331lx	4592lx	2583lx	1653lx	735lx	413lx	184lx	103lx	66lx	46lx	26lx	17lx
Footcand.	3839fcd	960fcd	427fcd	240fcd	154fcd	68fcd	38fcd	17fcd	10fcd	6fcd	4fcd	2fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,7ft	54,3ft	67,9ft

LINEAR DISTRIBUTION DIAGRAM

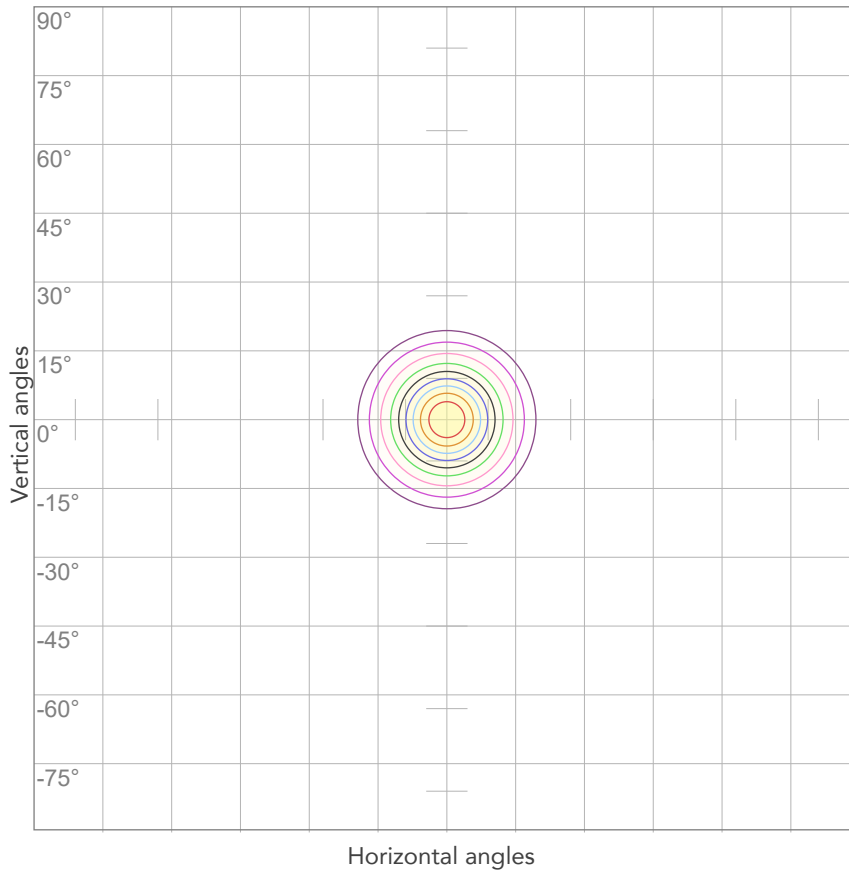


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,957A	211,8W	0,98	37lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



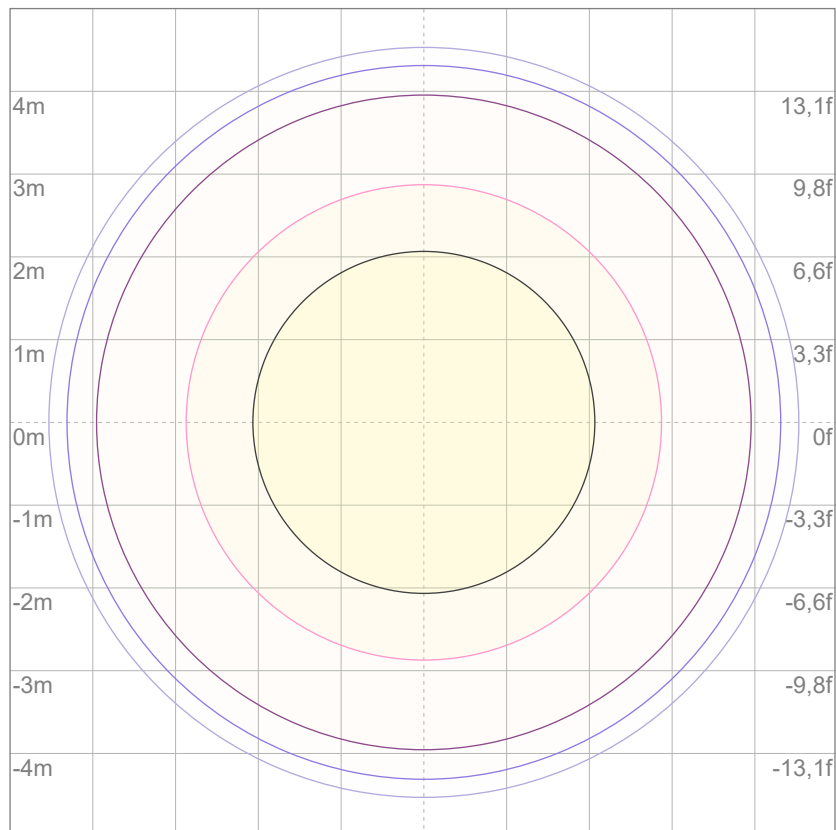
10%	4132 cd
20%	8265 cd
30%	12397 cd
40%	16530 cd
50%	20662 cd
60%	24794 cd
70%	28927 cd
80%	33059 cd

Conditions:

Number of c-planes: 2

Candela at center: 41324 cd

ISO LUX DIAGRAM



3%	12,4 lx
5%	20,7 lx
10%	41,3 lx
30%	124 lx
50%	207 lx

Conditions:

Number of c-planes: 2

Lux at center: 413 lx

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



Total lumen output:

4636 lm

Peak candela output:

117263 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

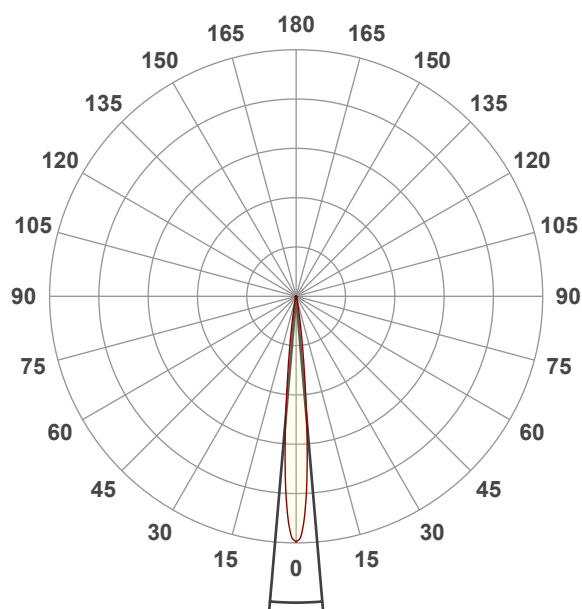
Mint - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:40:51

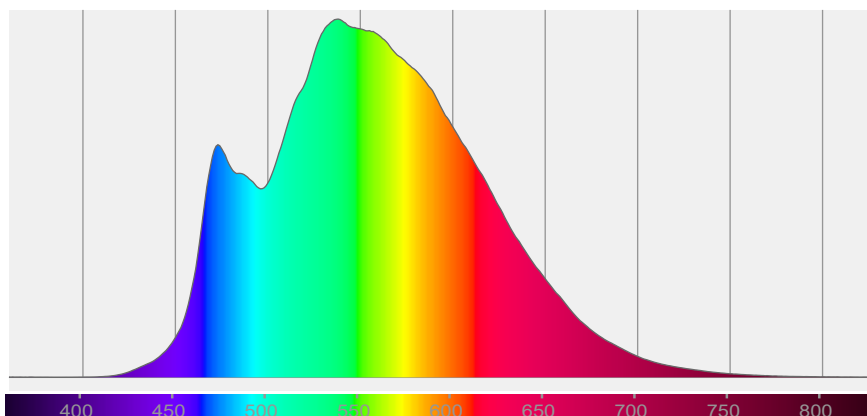


Beam angle 50%: 9,8°

Field angle 10%: 17,9°

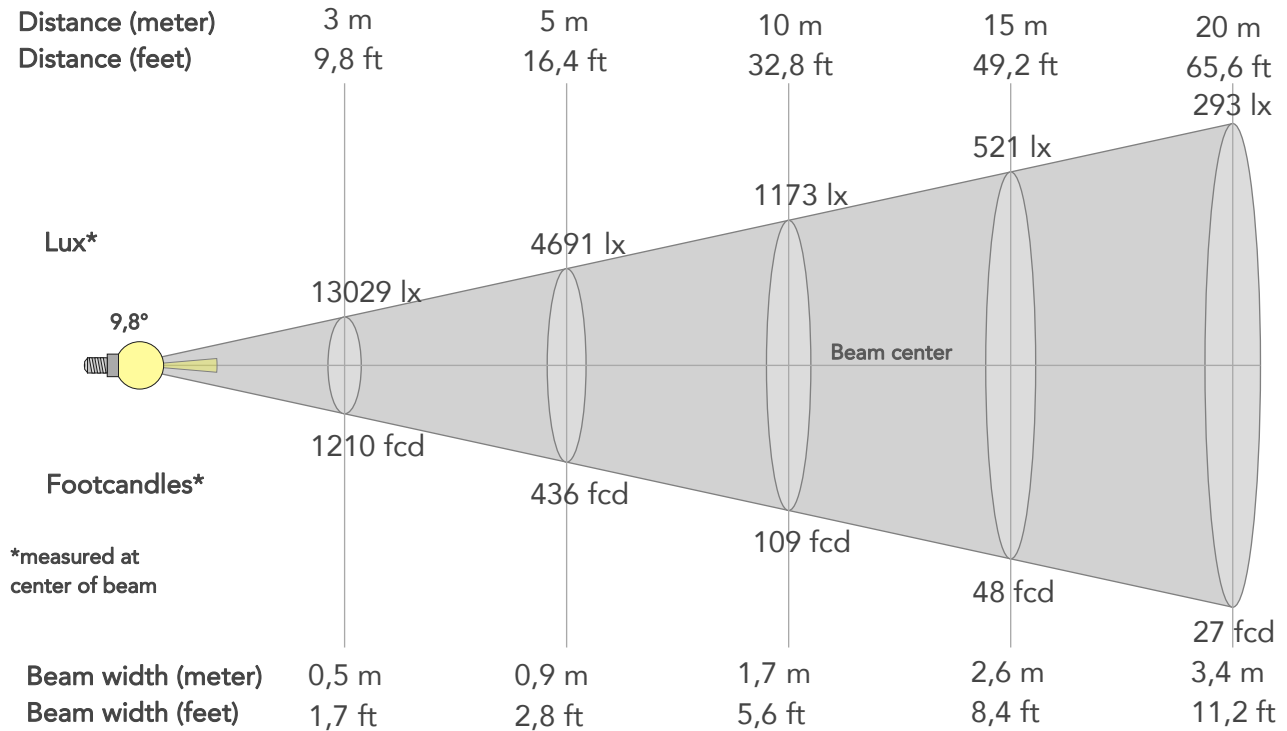
Cut off angle 2.5%: 25,1°

Spectra



BEAM DETAILS

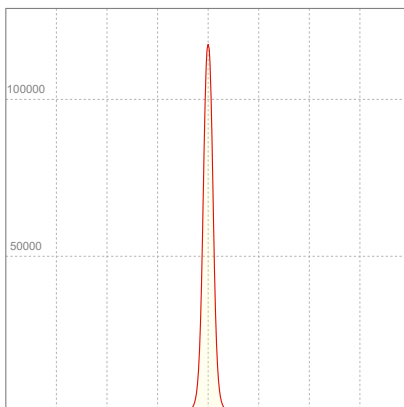
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	17,9°	25,1°	99,2%	97,3%



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	117263lx	29316lx	13029lx	7329lx	4691lx	2085lx	1173lx	521lx	293lx	188lx	130lx	73lx	47lx
Footcand.	10894fcd	2724fcd	1210fcd	681fcd	436fcd	194fcd	109fcd	48fcd	27fcd	17fcd	12fcd	7fcd	4fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14,1ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

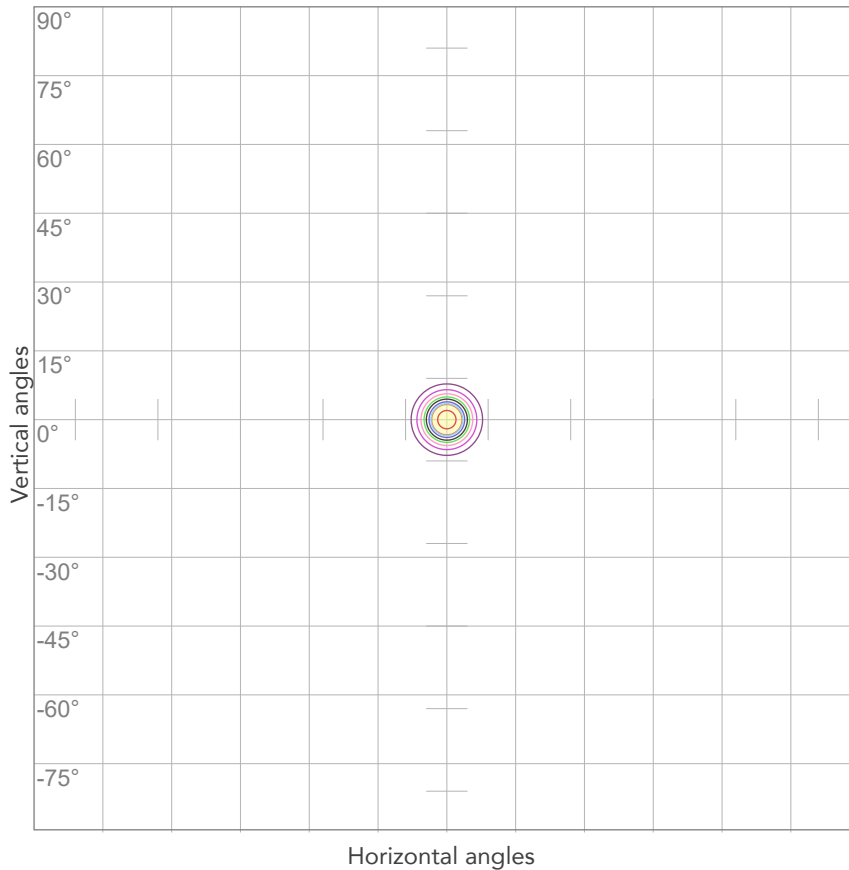


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,946A	209,9W	0,98	22lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



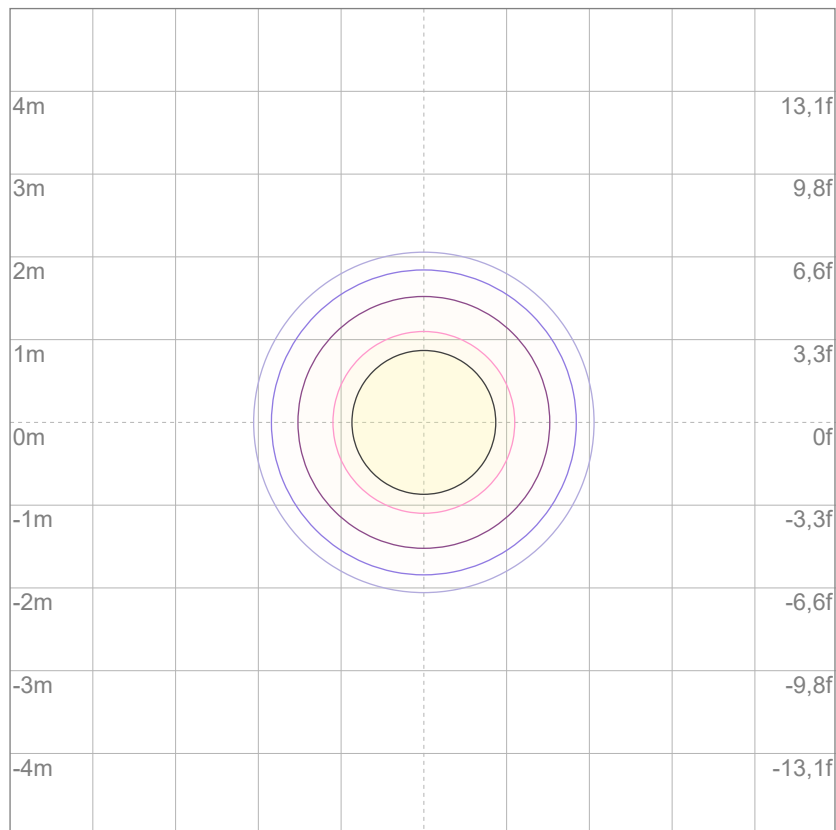
10%	11726 cd
20%	23453 cd
30%	35179 cd
40%	46905 cd
50%	58631 cd
60%	70358 cd
70%	82084 cd
80%	93810 cd

Conditions:

Number of c-planes: 2

Candela at center: 117263 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 1173 lx

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



Total lumen output:

3853 lm

Peak candela output:

5228 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

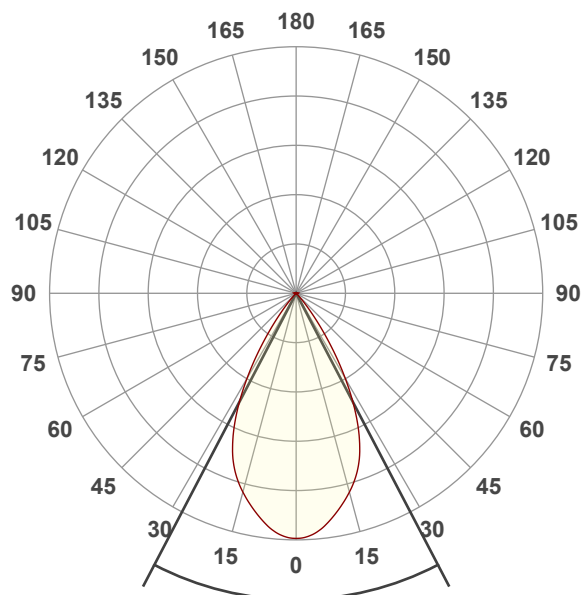
Amber - HB - RAW

Operator:

Salvatore Giglio

Date and time:

26/03/2025 09:32:38

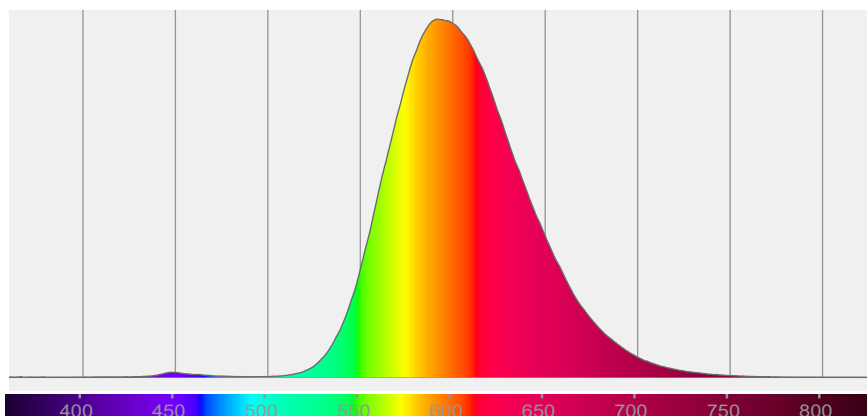


Beam angle 50%: 55,1°

Field angle 10%: 76,4°

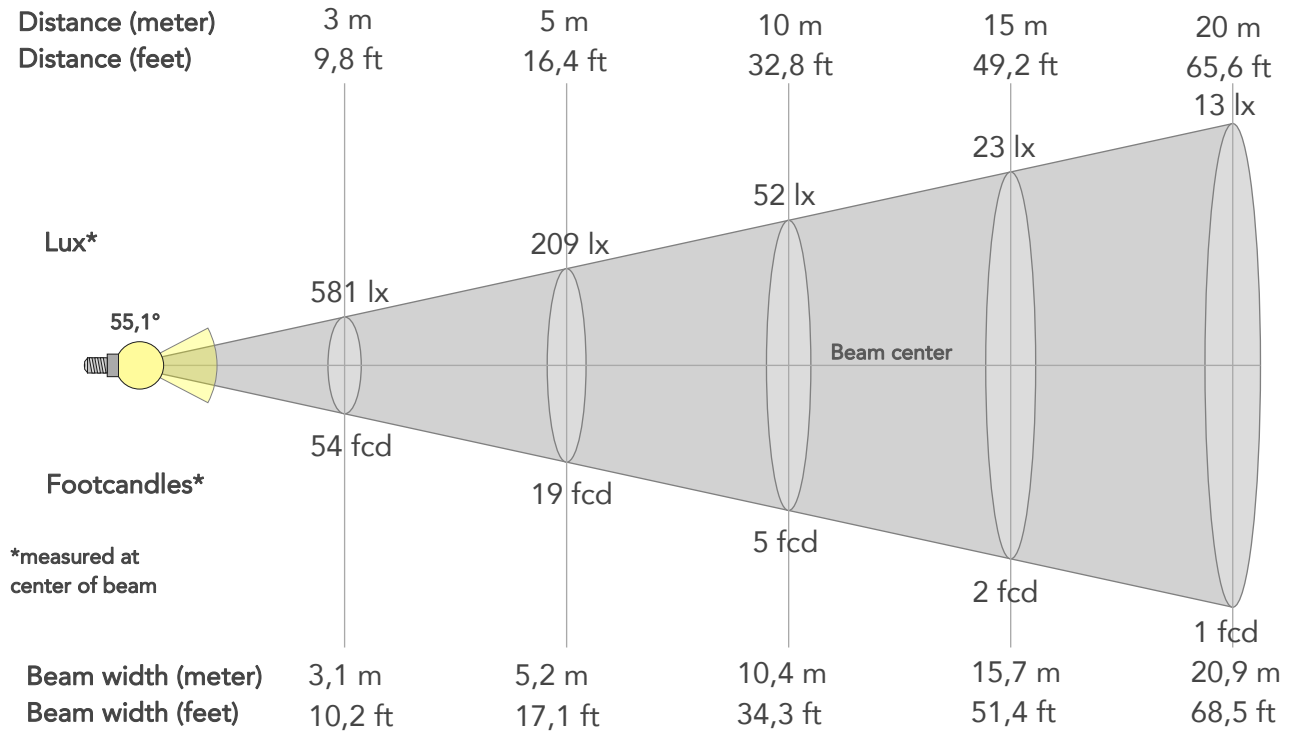
Cut off angle 2.5%: 85,2°

Spectra



BEAM DETAILS

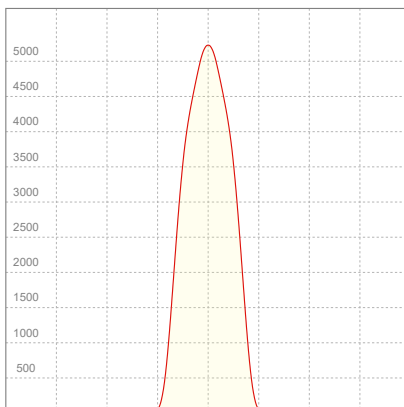
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,1°	76,4°	85,2°	99,8%	99,3%



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	5228lx	1307lx	581lx	327lx	209lx	93lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	486fcd	121fcd	54fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,4m	15,7m	20,9m	26,1m	31,3m	41,8m	52,2m
Beam wid.	3,4ft	6,9ft	10,2ft	13,7ft	17,1ft	25,7ft	34,3ft	51,4ft	68,5ft	85,6ft	102,8ft	137ft	171,3ft

LINEAR DISTRIBUTION DIAGRAM

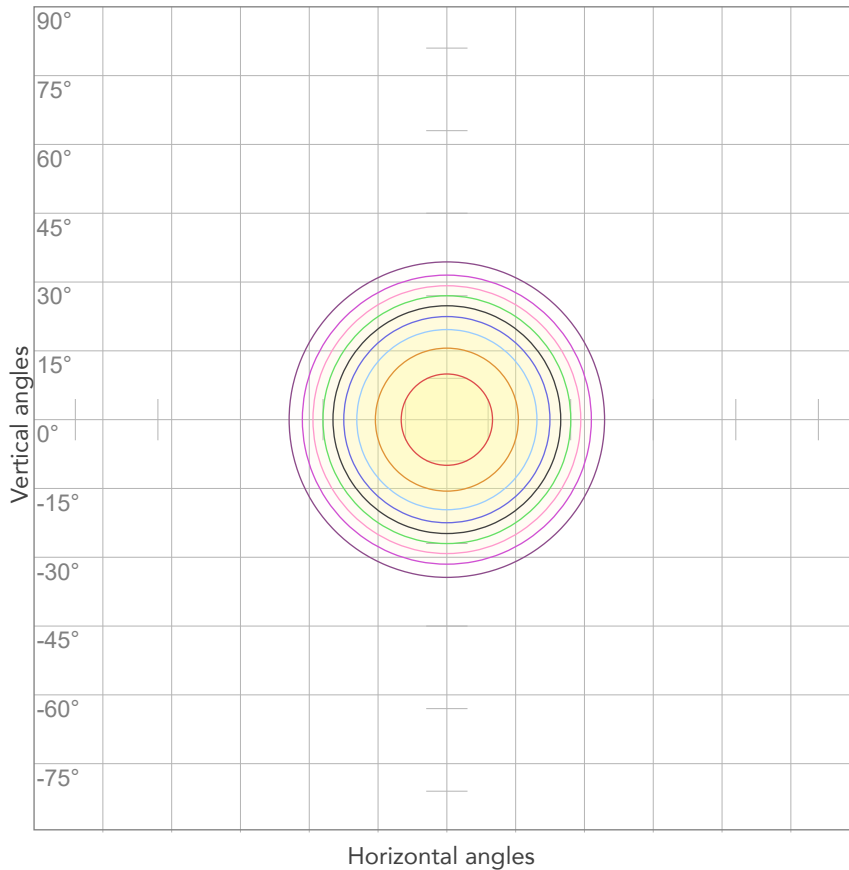


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,691A	149,8W	0,95	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



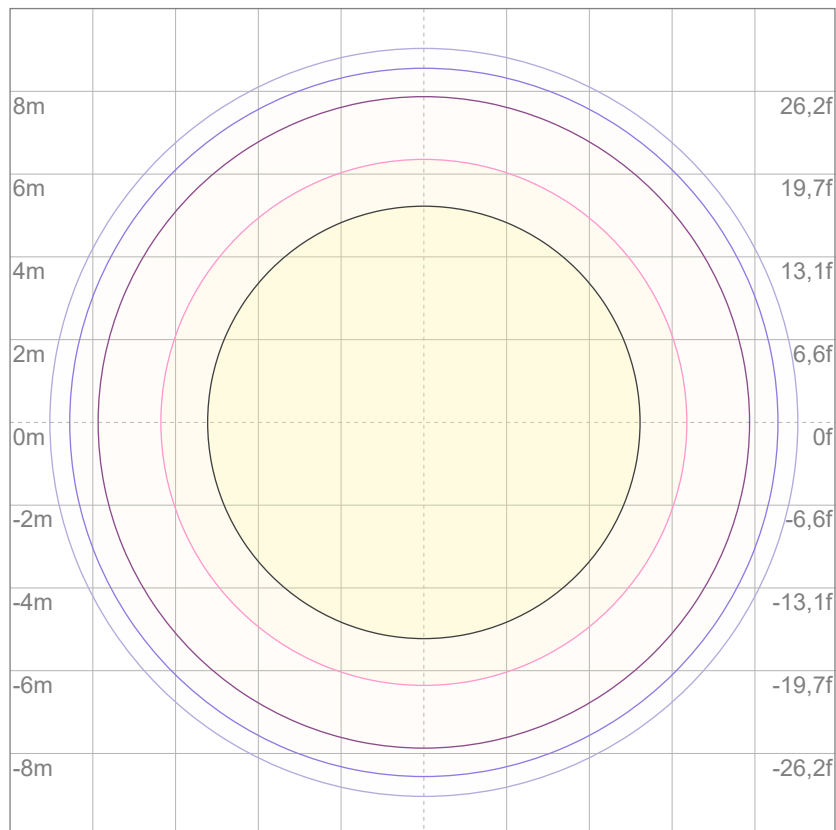
10%	523 cd
20%	1046 cd
30%	1568 cd
40%	2091 cd
50%	2614 cd
60%	3137 cd
70%	3660 cd
80%	4183 cd

Conditions:

Number of c-planes: 2

Candela at center: 5228 cd

ISO LUX DIAGRAM



3%	1,57 lx
5%	2,61 lx
10%	5,23 lx
30%	15,7 lx
50%	26,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 52,3 lx

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



Total lumen output:

3264 lm

Peak candela output:

17503 cd

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

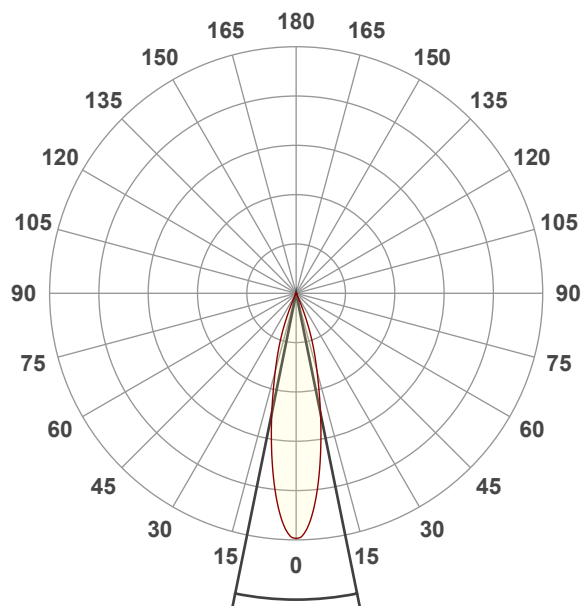
Amber - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 14:24:58

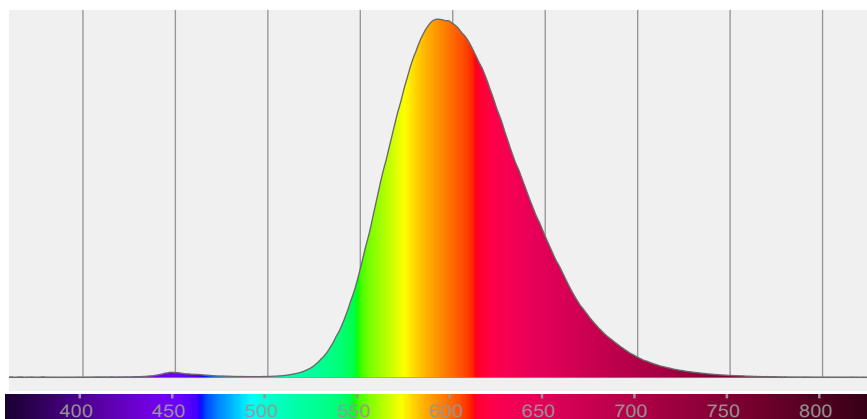


Beam angle 50%: 23°

Field angle 10%: 43°

Cut off angle 2.5%: 49,7°

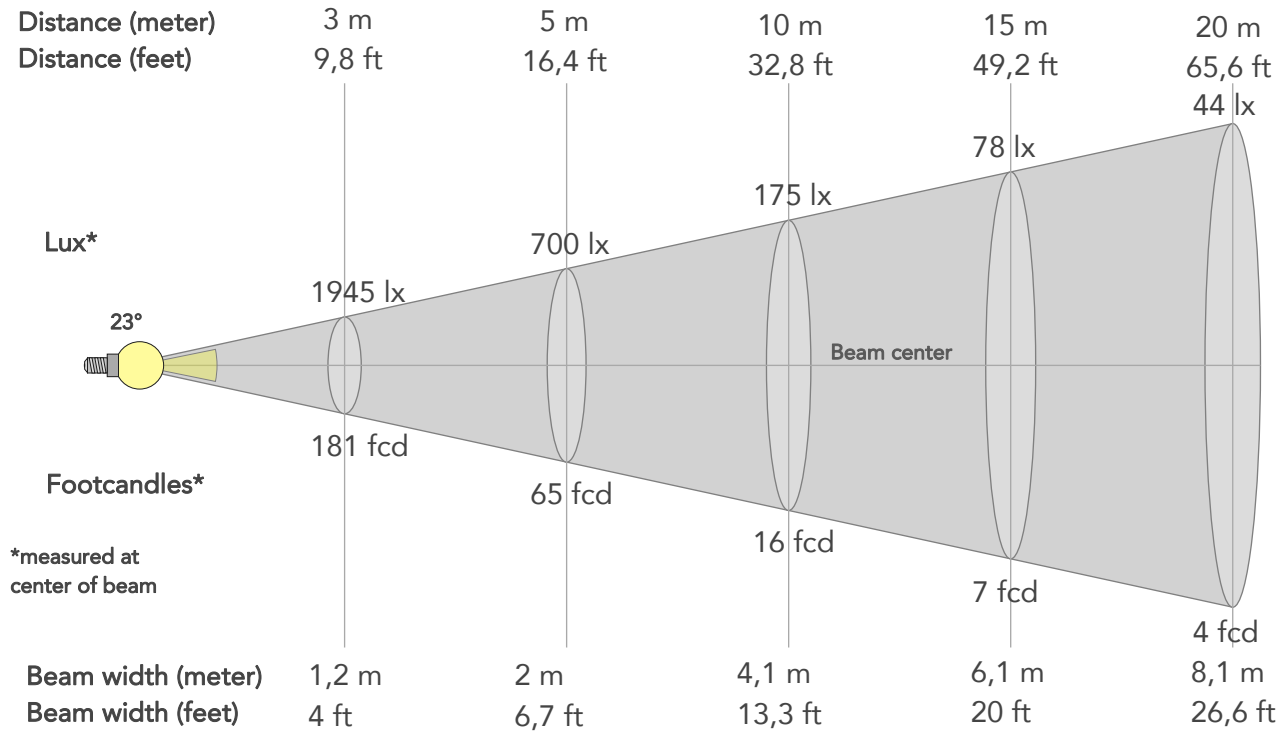
Spectra



BEAM DETAILS



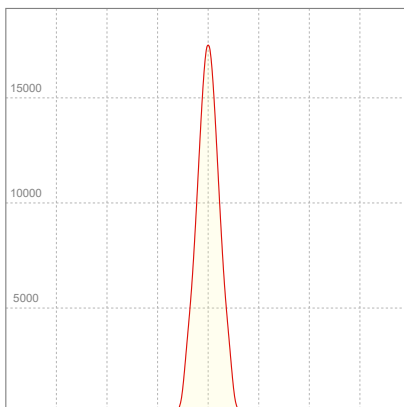
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	43°	49,7°	99,6%	98,7%



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	17503lx	4376lx	1945lx	1094lx	700lx	311lx	175lx	78lx	44lx	28lx	19lx	11lx	7lx
Footcand.	1626fcd	407fcd	181fcd	102fcd	65fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	40ft	53,3ft	66,6ft

LINEAR DISTRIBUTION DIAGRAM

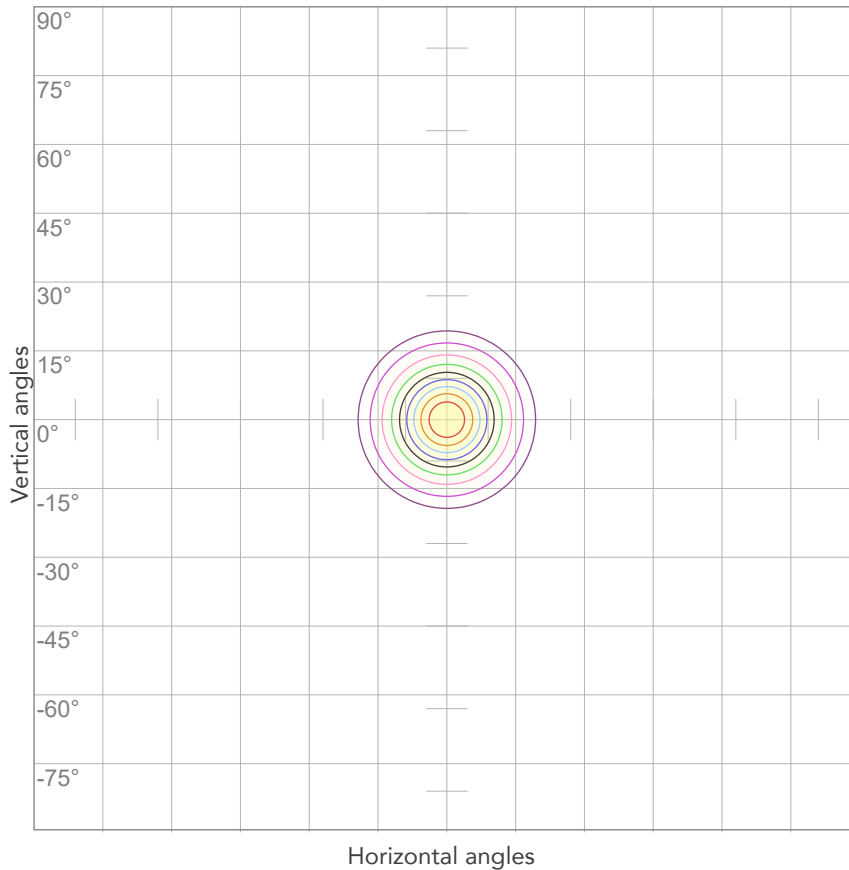


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,738A	160,5W	0,97	20lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



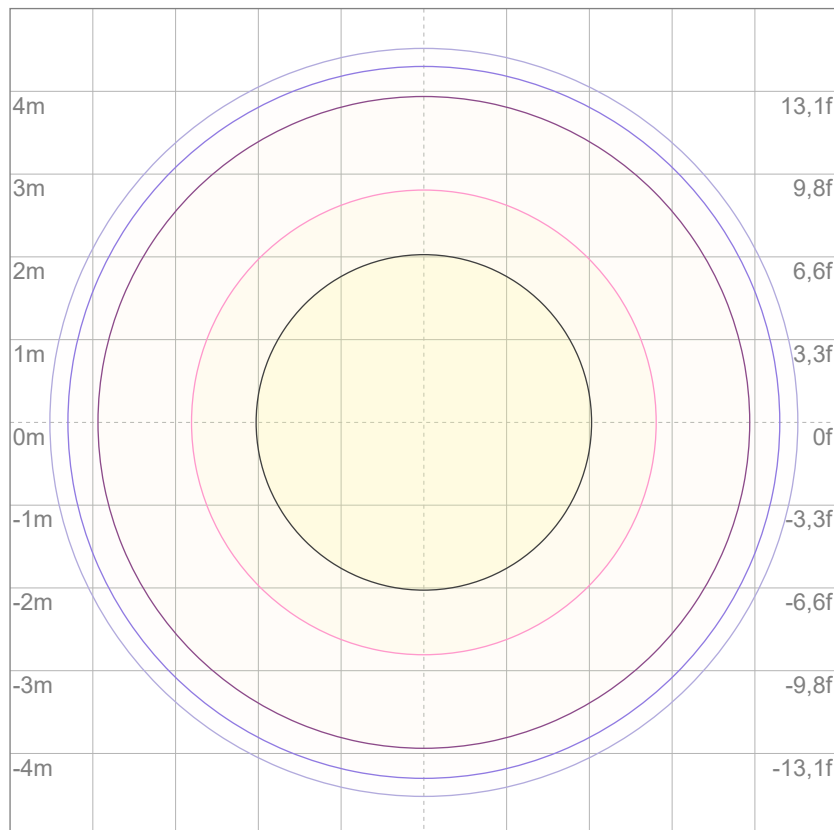
10%	1750 cd
20%	3501 cd
30%	5251 cd
40%	7001 cd
50%	8751 cd
60%	10502 cd
70%	12252 cd
80%	14002 cd

Conditions:

Number of c-planes: 2

Candela at center: 17503 cd

ISO LUX DIAGRAM



3%	5,25 lx
5%	8,75 lx
10%	17,5 lx
30%	52,5 lx
50%	87,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 175 lx

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



Total lumen output:

1940 lm

Peak candela output:

48863 cd

PRODUCT NAME:

ECLFRCTPL

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

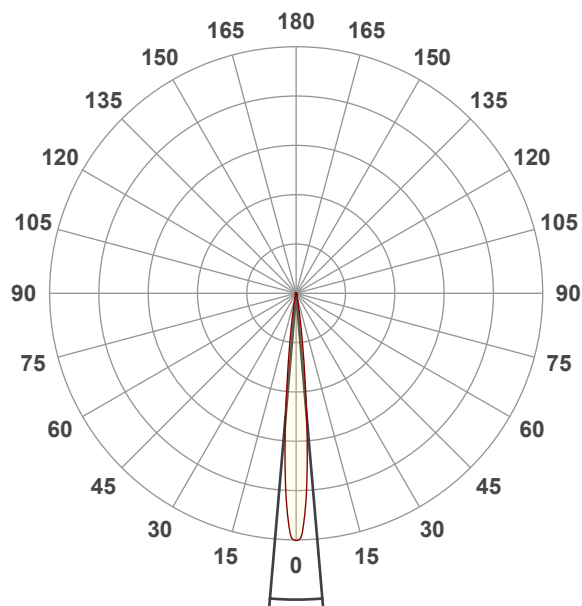
Amber - HB - RAW

Operator:

Salvatore Giglio

Date and time:

25/03/2025 17:42:22

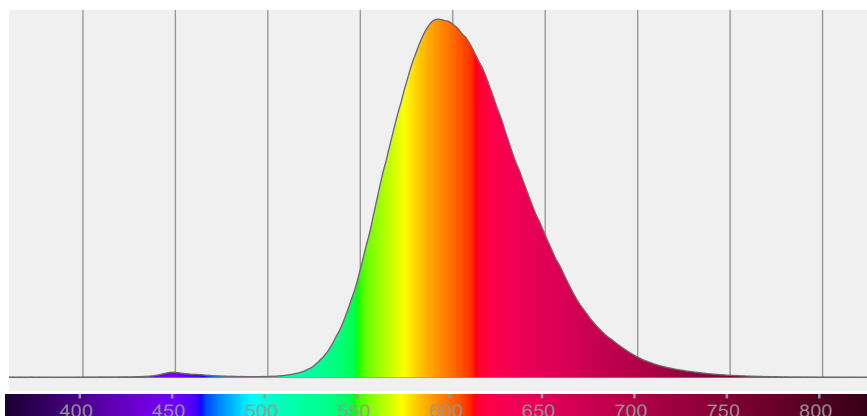


Beam angle 50%: 9,8°

Field angle 10%: 17,9°

Cut off angle 2.5%: 25,1°

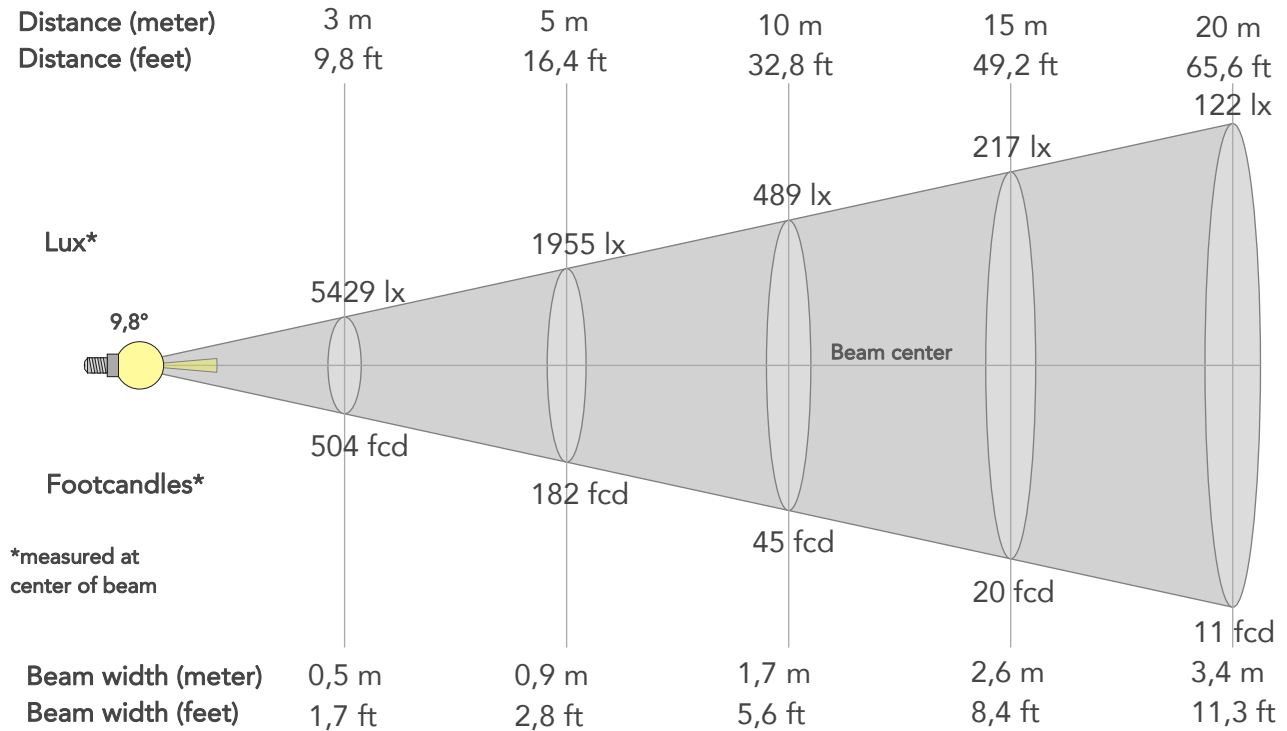
Spectra



BEAM DETAILS



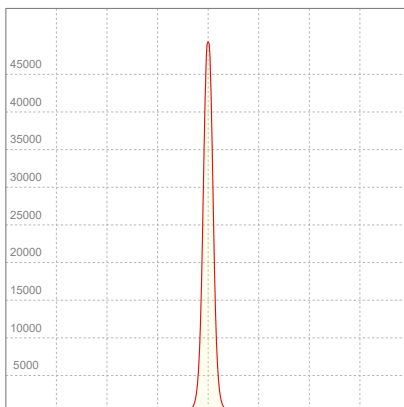
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	17,9°	25,1°	99,2%	97,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	48863lx	12216lx	5429lx	3054lx	1955lx	869lx	489lx	217lx	122lx	78lx	54lx	31lx	20lx
Footcand.	4540fcd	1135fcd	504fcd	284fcd	182fcd	81fcd	45fcd	20fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,3ft	14,1ft	16,9ft	22,5ft	28,2ft

LINEAR DISTRIBUTION DIAGRAM

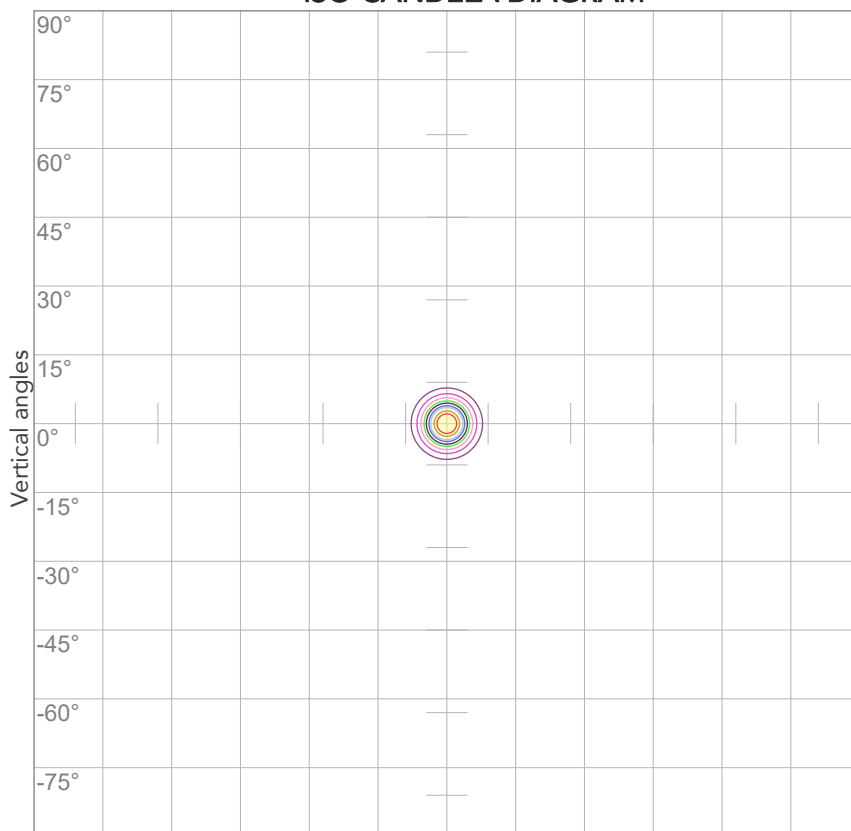


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,737A	159,4W	0,96	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



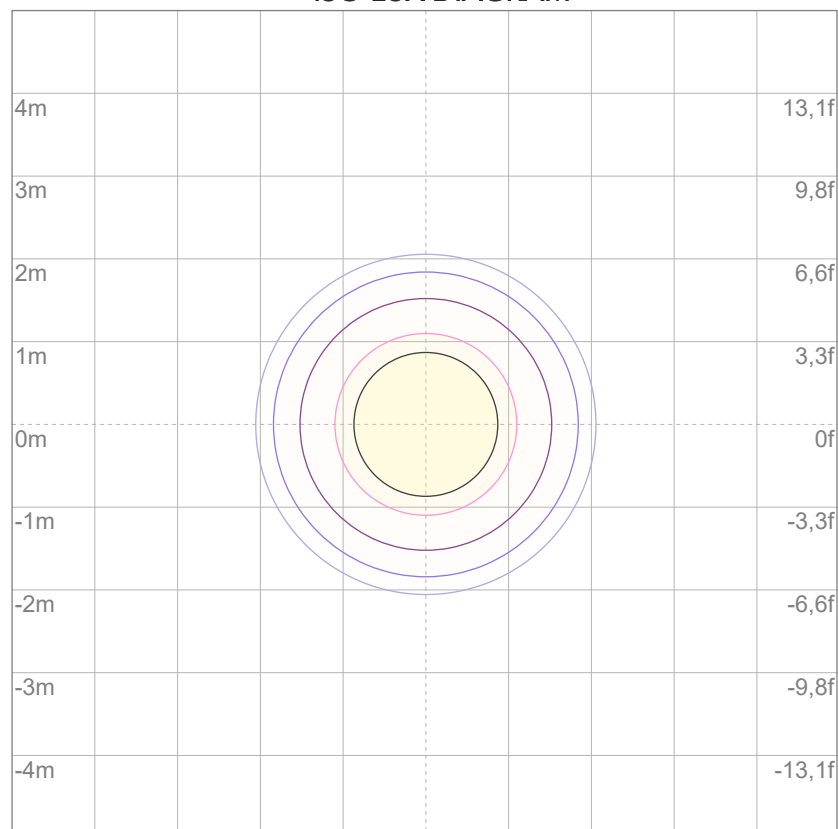
10%	4886 cd
20%	9773 cd
30%	14659 cd
40%	19545 cd
50%	24431 cd
60%	29318 cd
70%	34204 cd
80%	39090 cd

Conditions:

Number of c-planes: 2

Candela at center: 48863 cd

ISO LUX DIAGRAM



3%	14,7 lx
5%	24,4 lx
10%	48,9 lx
30%	147 lx
50%	244 lx

Conditions:

Number of c-planes: 2

Lux at center: 489 lx

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



Total lumen output:

12237 lm

Peak candela output:

16203 cd

Light quality:

CRI: 91,2

Color temperature:

2800 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

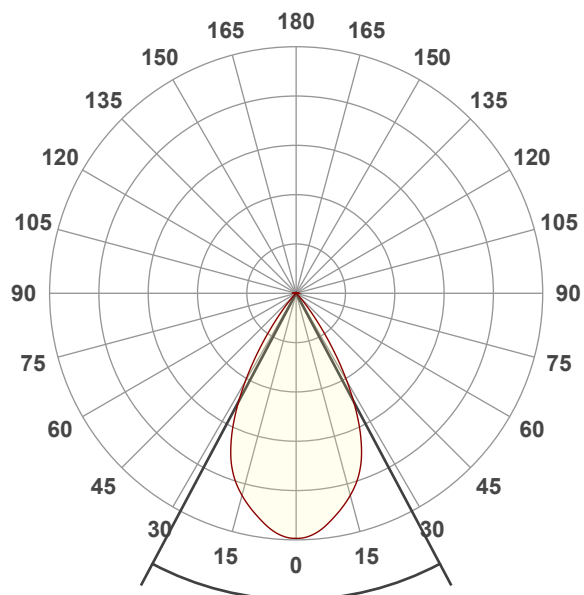
2800K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 11:55:24

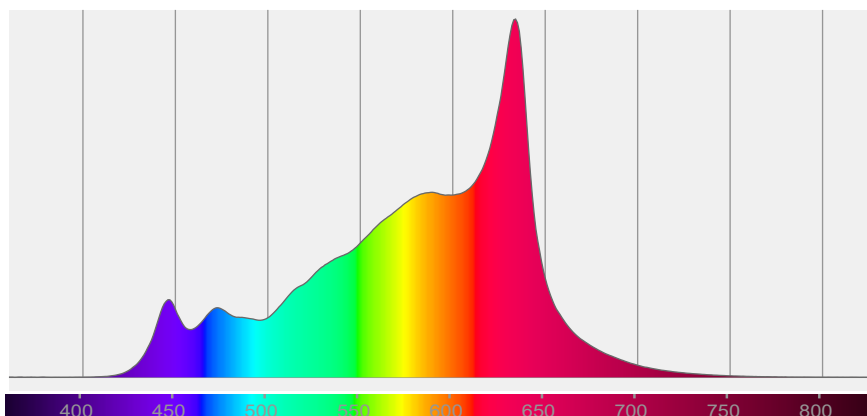


Beam angle 50%: 56°

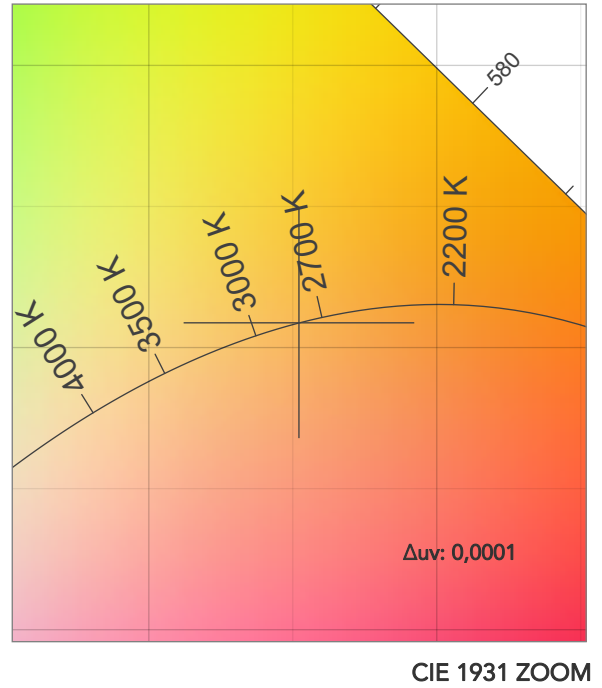
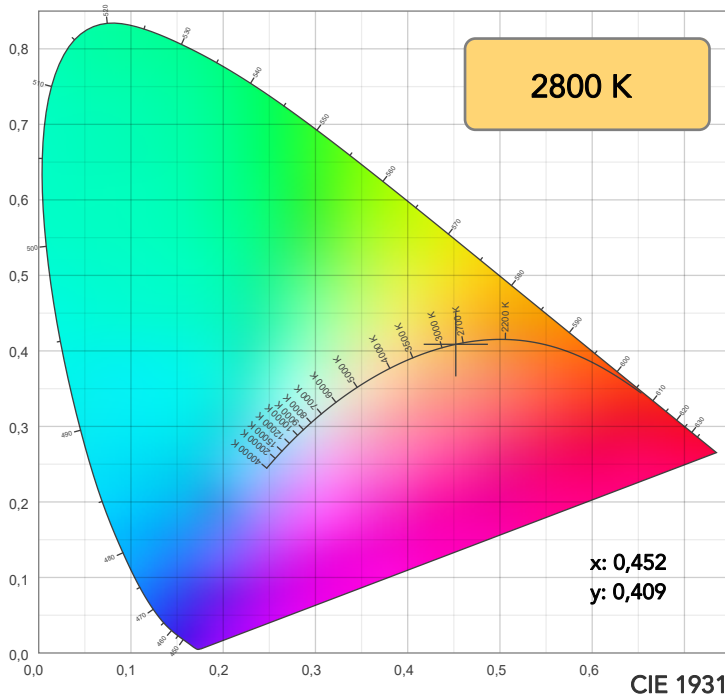
Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

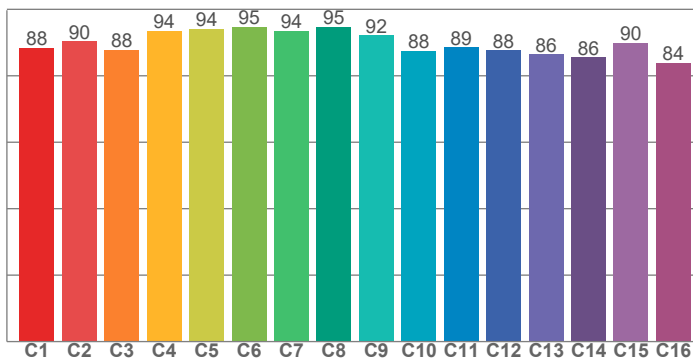
Spectra



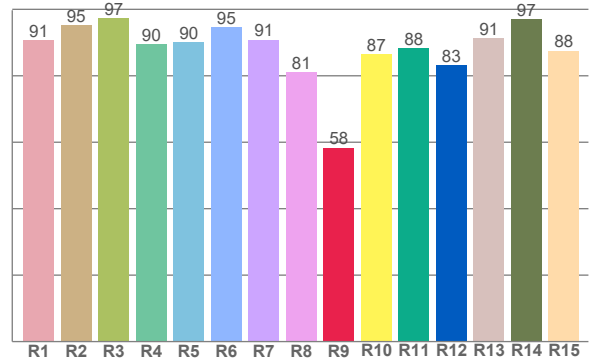
COLOR DETAILS



TM30: 90,0



CRI: 91,2 (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
90,8	95,3	97,2	89,5	90,0	94,7	90,9	81,2	58,4	86,5	88,3	83,1	91,4	97,2	87,5

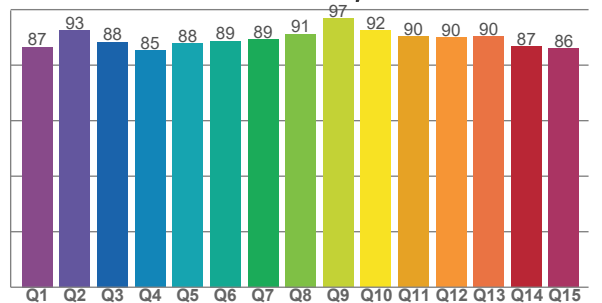
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	90,4	87,9	93,6	94,2	94,8	93,5	94,7	92,1	87,6	88,6	87,7	86,4	85,6	90,0	83,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,5	92,5	88,3	85,3	87,7	88,6	89,2	91,2	96,8	92,4	90,3	89,9	90,2	86,7	85,9

CQS: 89,0



COLOR PARAMETERS

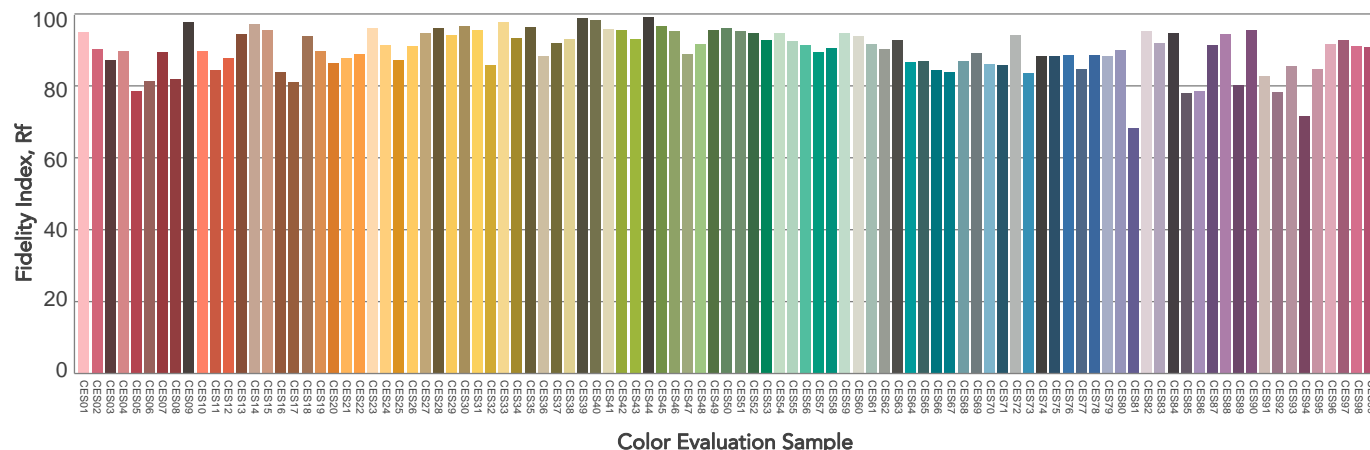
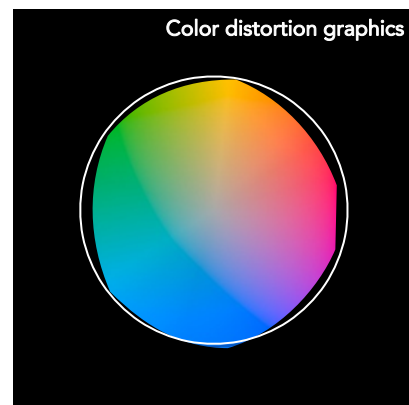
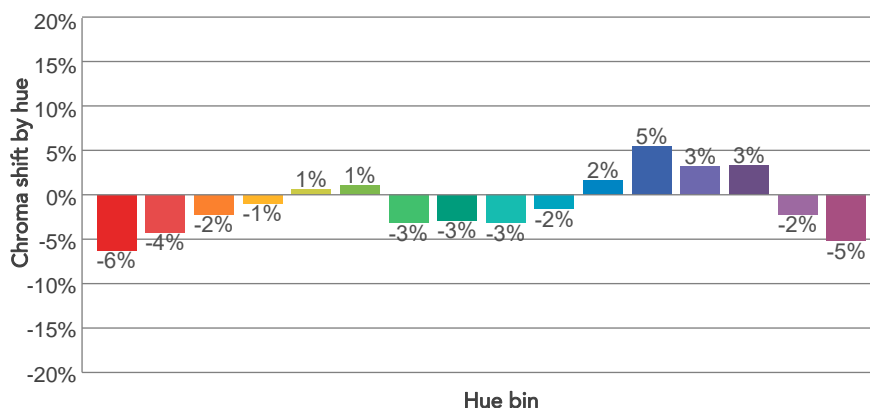
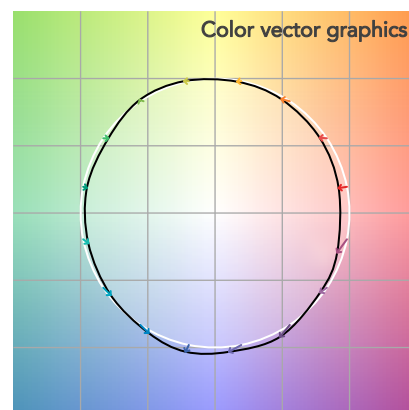
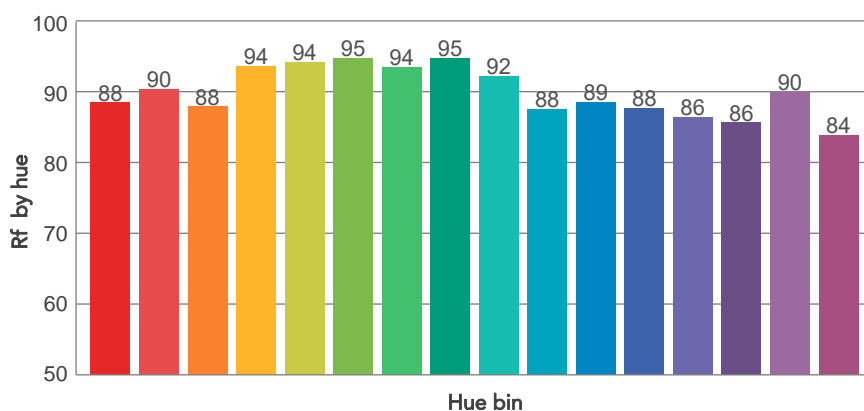
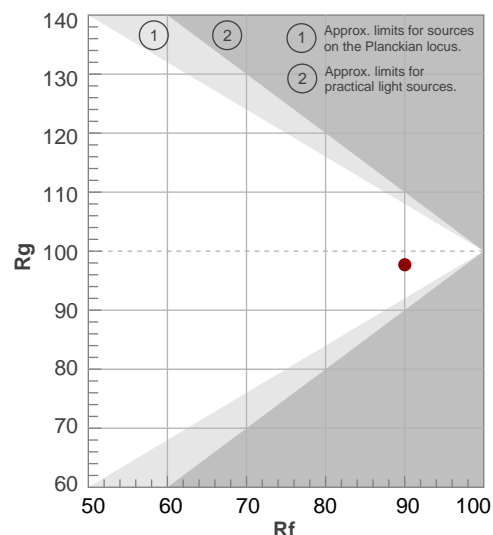
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2800 K	91,2	58,4	90,0	97,7	89,0	81	0,452	0,409	0,0001

TM30 DETAILS

Rf 90,0
Fidelity index Rf

Rg 97,7
Gammut index

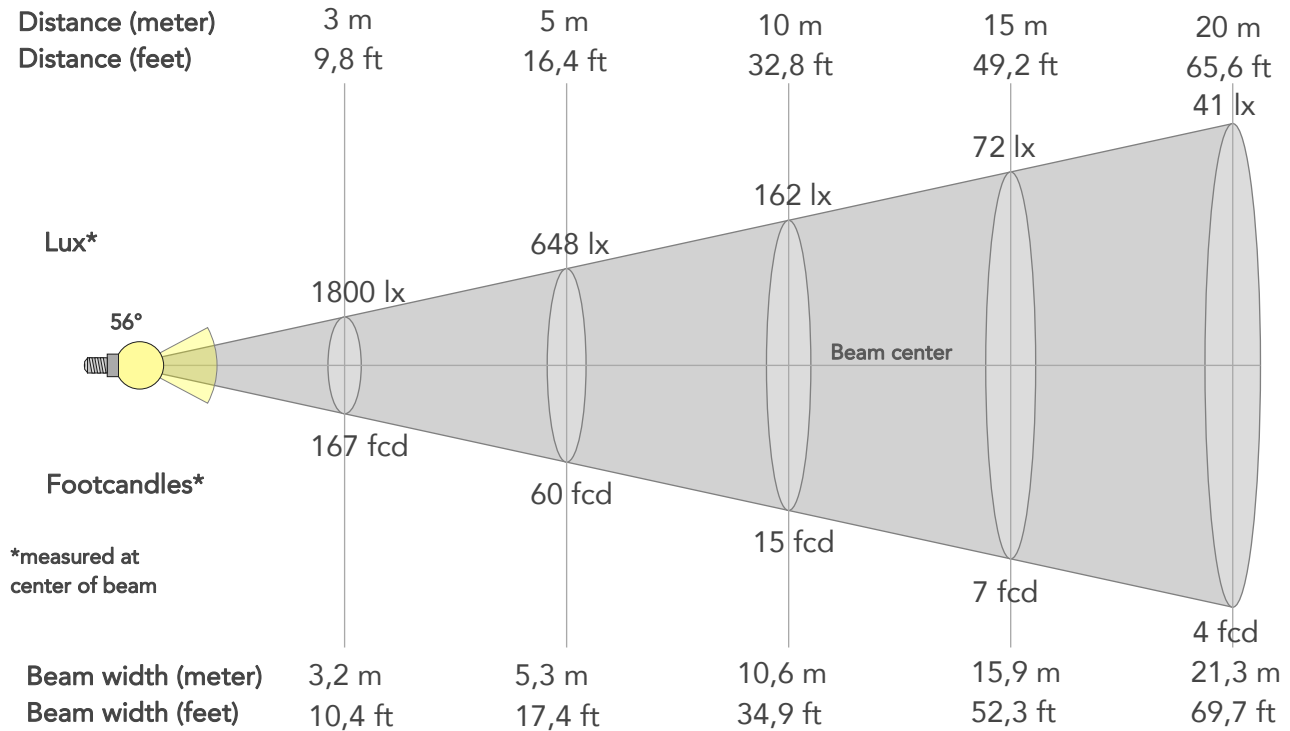
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	-6%	0%
2	90	-4%	3%
3	88	-2%	6%
4	94	-1%	3%
5	94	1%	3%
6	95	1%	0%
7	94	-3%	-2%
8	95	-3%	0%
9	92	-3%	4%
10	88	-2%	8%
11	89	2%	8%
12	88	5%	-1%
13	86	3%	-10%
14	86	3%	-11%
15	90	-2%	-6%
16	84	-5%	-11%



BEAM DETAILS



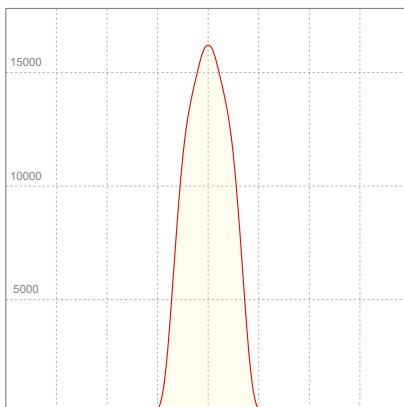
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56°	76,8°	85,5°	99,8%	99,2%



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	16203lx	4051lx	1800lx	1013lx	648lx	288lx	162lx	72lx	41lx	26lx	18lx	10lx	6lx
Footcand.	1505fcd	376fcd	167fcd	94fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,6m	15,9m	21,3m	26,6m	31,9m	42,5m	53,1m
Beam wid.	3,5ft	7ft	10,4ft	13,9ft	17,4ft	26,1ft	34,9ft	52,3ft	69,7ft	87,1ft	104,6ft	139,4ft	174,3ft

LINEAR DISTRIBUTION DIAGRAM

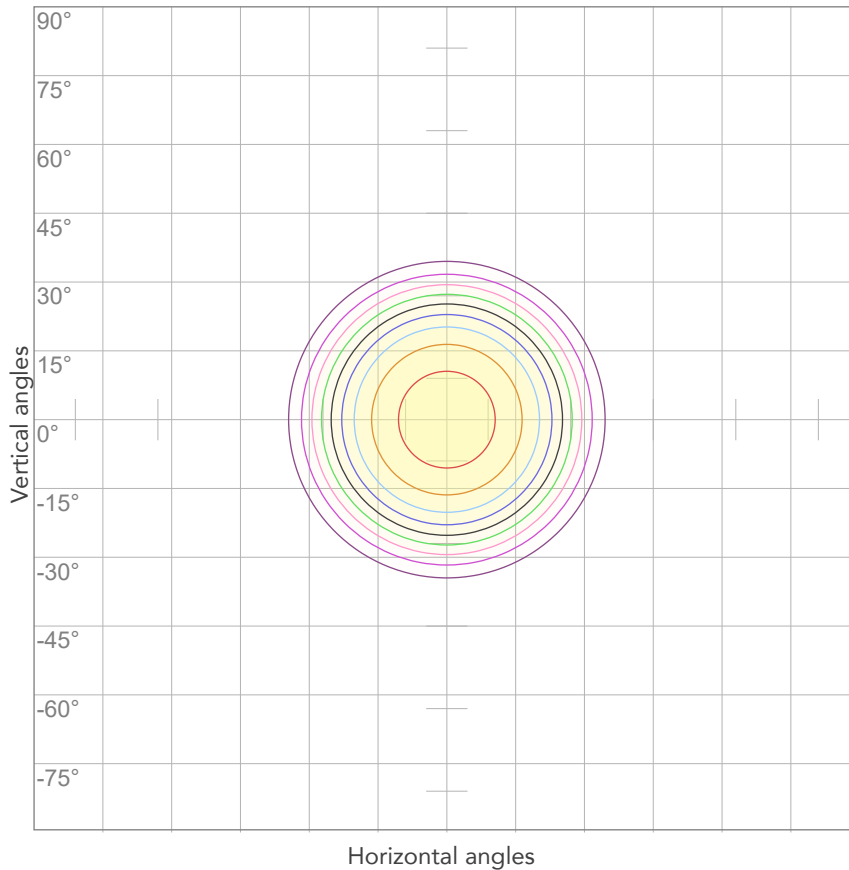


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	1,75A	396,6W	0,99	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



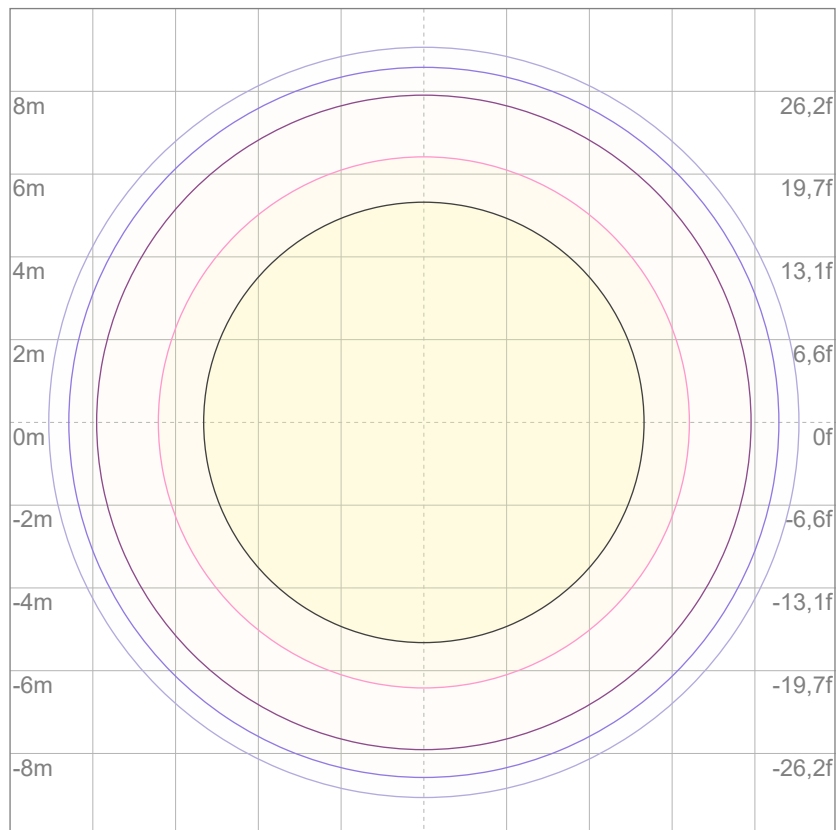
10%	1620 cd
20%	3241 cd
30%	4861 cd
40%	6481 cd
50%	8101 cd
60%	9722 cd
70%	11342 cd
80%	12962 cd

Conditions:

Number of c-planes: 2

Candela at center: 16203 cd

ISO LUX DIAGRAM



3%	4,86 lx
5%	8,10 lx
10%	16,2 lx
30%	48,6 lx
50%	81,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 162 lx

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



Total lumen output:

10314 lm

Peak candela output:

54648 cd

Light quality:

CRI: 91,4

Color temperature:

2817 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

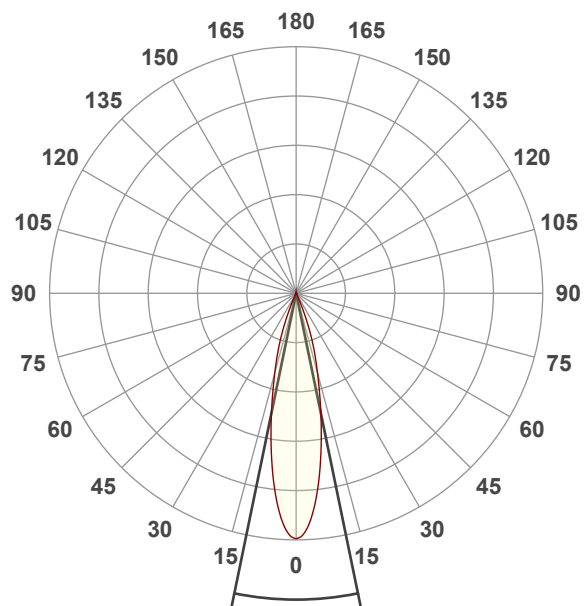
2800K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 13:07:10

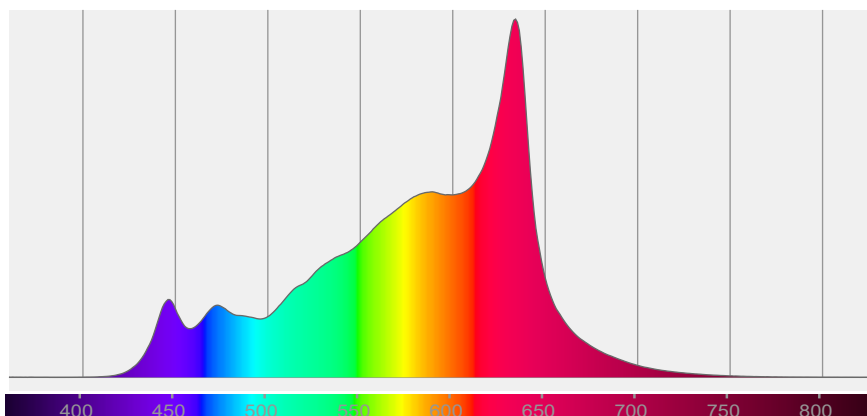


Beam angle 50%: 23,3°

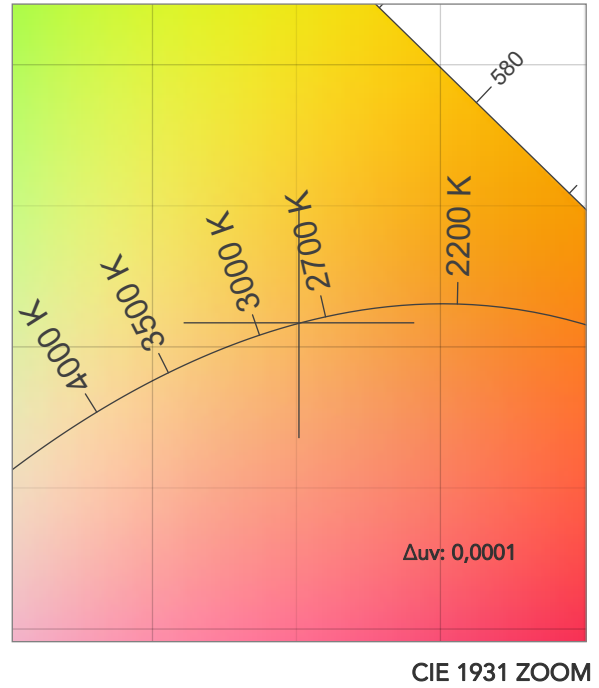
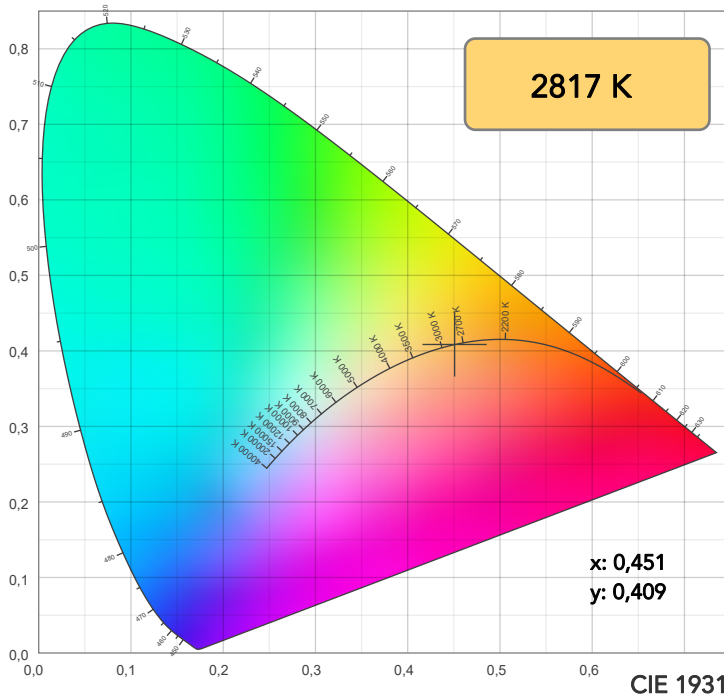
Field angle 10%: 43,2°

Cut off angle 2.5%: 49,8°

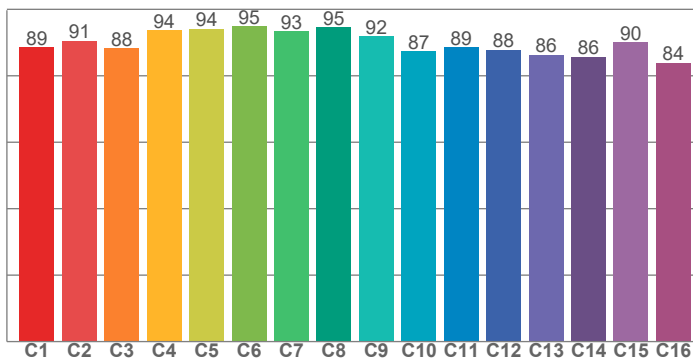
Spectra



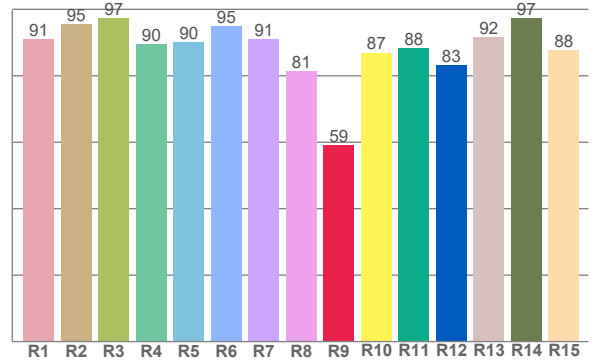
COLOR DETAILS



TM30: 90,1



CRI: 91,4 (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
91,0	95,5	97,4	89,6	90,2	94,9	90,9	81,5	59,1	86,9	88,4	83,3	91,6	97,3	87,8

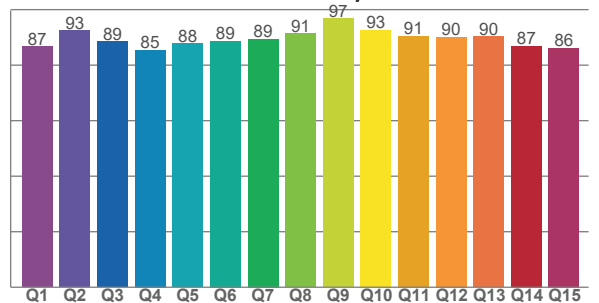
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	90,6	88,3	93,7	94,2	94,9	93,5	94,6	91,9	87,4	88,6	87,9	86,4	85,7	90,1	83,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,7	92,5	88,5	85,5	87,8	88,7	89,4	91,5	96,9	92,7	90,5	90,2	90,4	87,0	86,2

CQS: 89,1



COLOR PARAMETERS

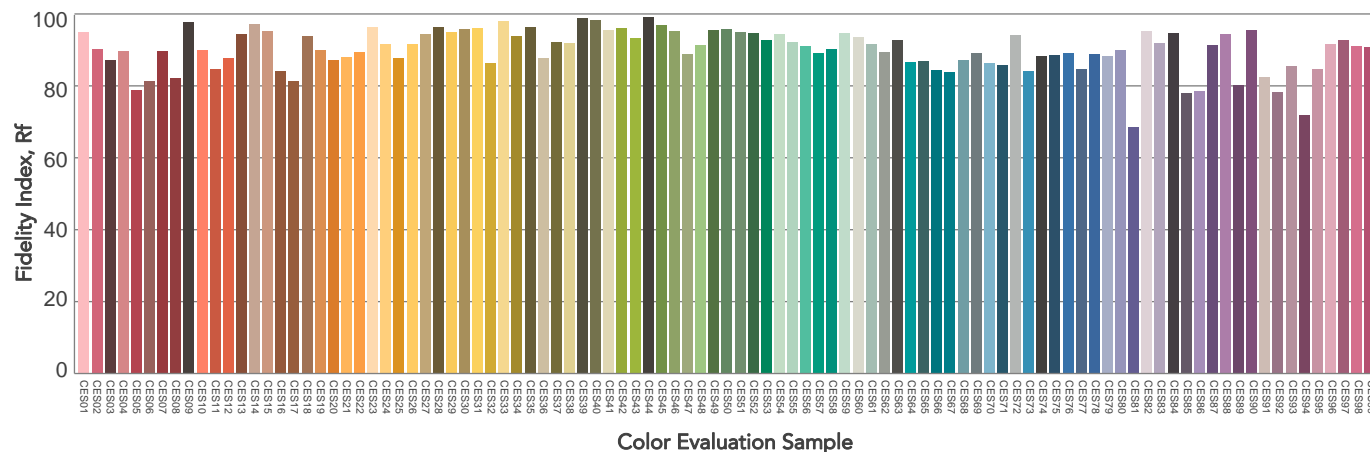
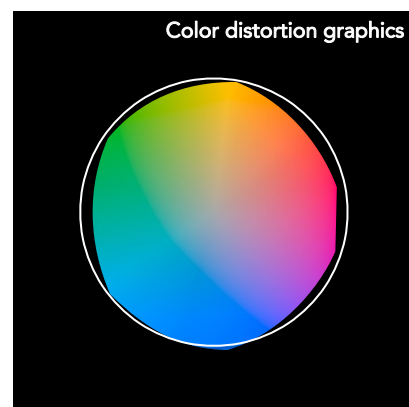
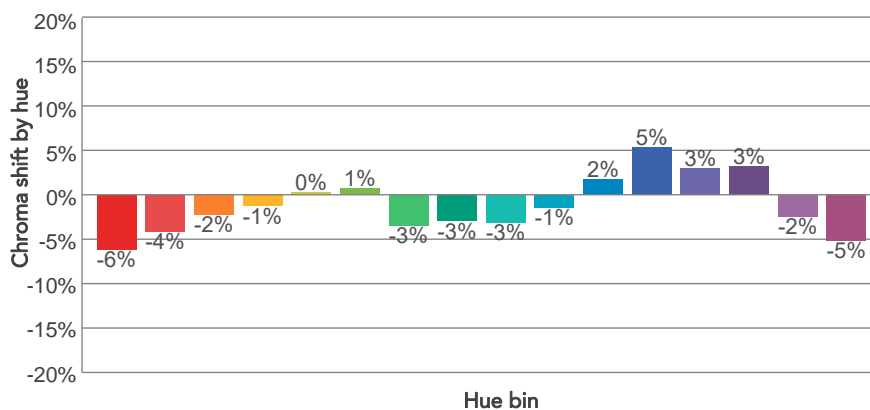
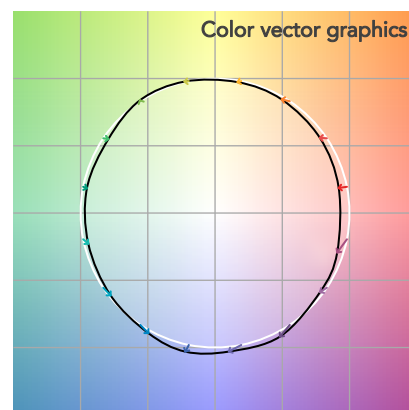
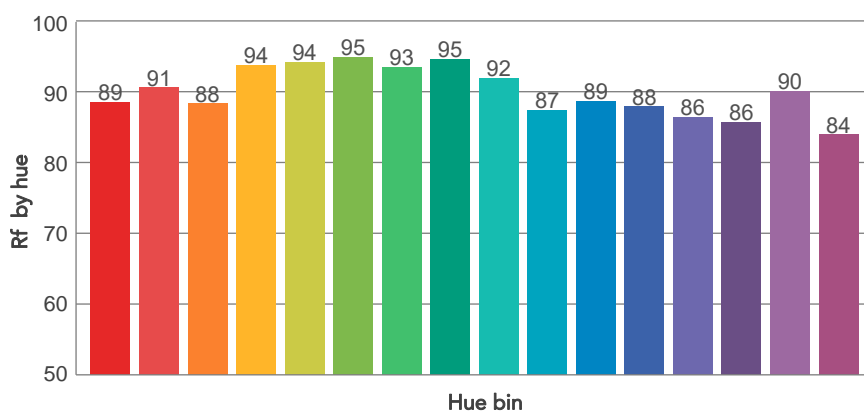
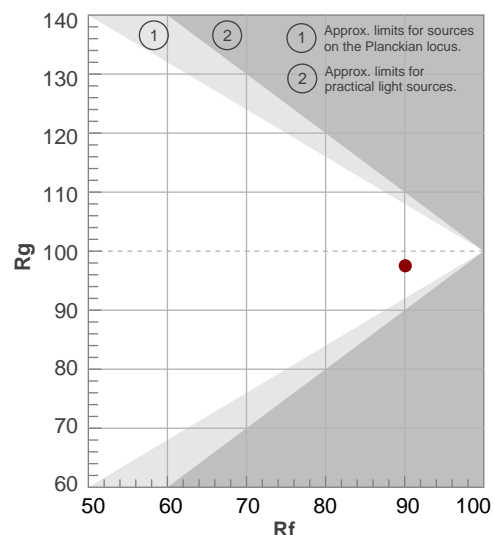
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2817 K	91,4	59,1	90,1	97,5	89,1	81	0,451	0,409	0,0001

TM30 DETAILS

Rf 90,1
Fidelity index Rf

Rg 97,5
Gammut index

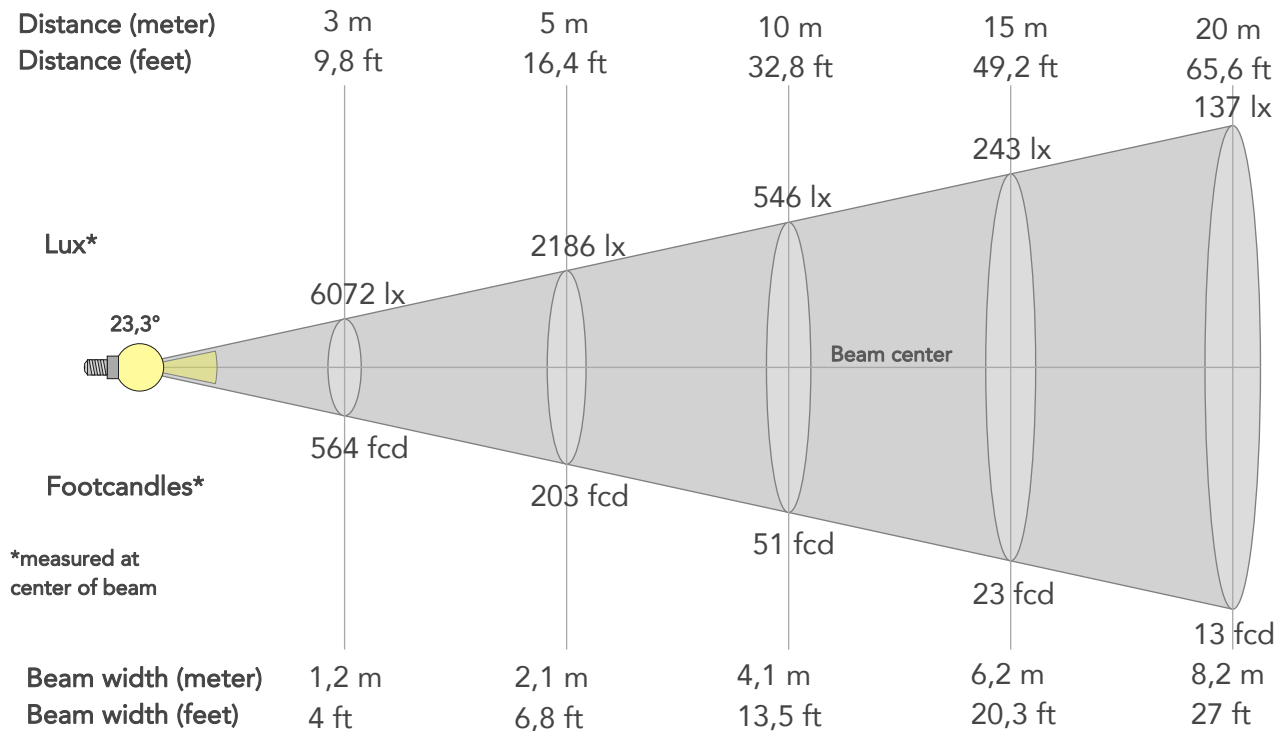
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-6%	0%
2	91	-4%	3%
3	88	-2%	6%
4	94	-1%	3%
5	94	0%	3%
6	95	1%	0%
7	93	-3%	-2%
8	95	-3%	1%
9	92	-3%	4%
10	87	-1%	8%
11	89	2%	8%
12	88	5%	-2%
13	86	3%	-10%
14	86	3%	-11%
15	90	-2%	-5%
16	84	-5%	-11%



BEAM DETAILS



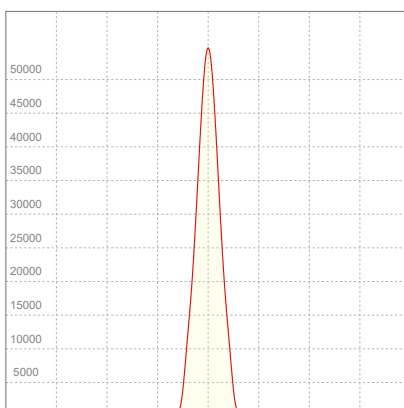
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	43,2°	49,8°	99,7%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	54648lx	13662lx	6072lx	3416lx	2186lx	972lx	546lx	243lx	137lx	87lx	61lx	34lx	22lx
Footcand.	5077fcd	1269fcd	564fcd	317fcd	203fcd	90fcd	51fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,4m	16,5m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,1ft	13,5ft	20,3ft	27ft	33,8ft	40,5ft	54ft	67,6ft

LINEAR DISTRIBUTION DIAGRAM

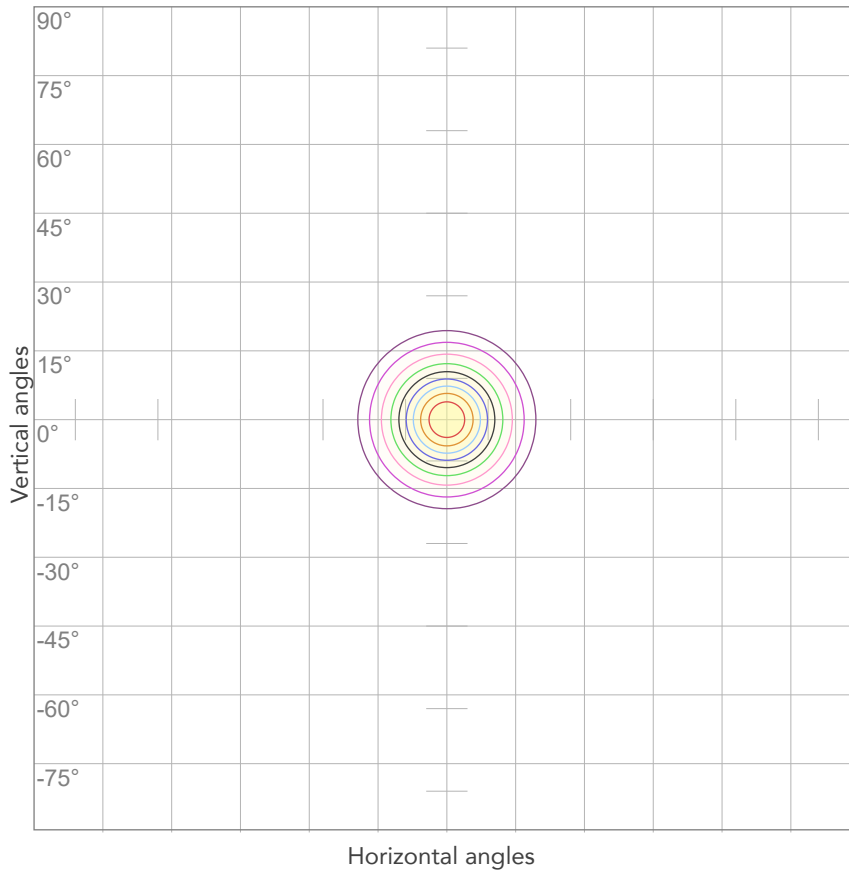


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	1,74A	395,9W	0,99	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



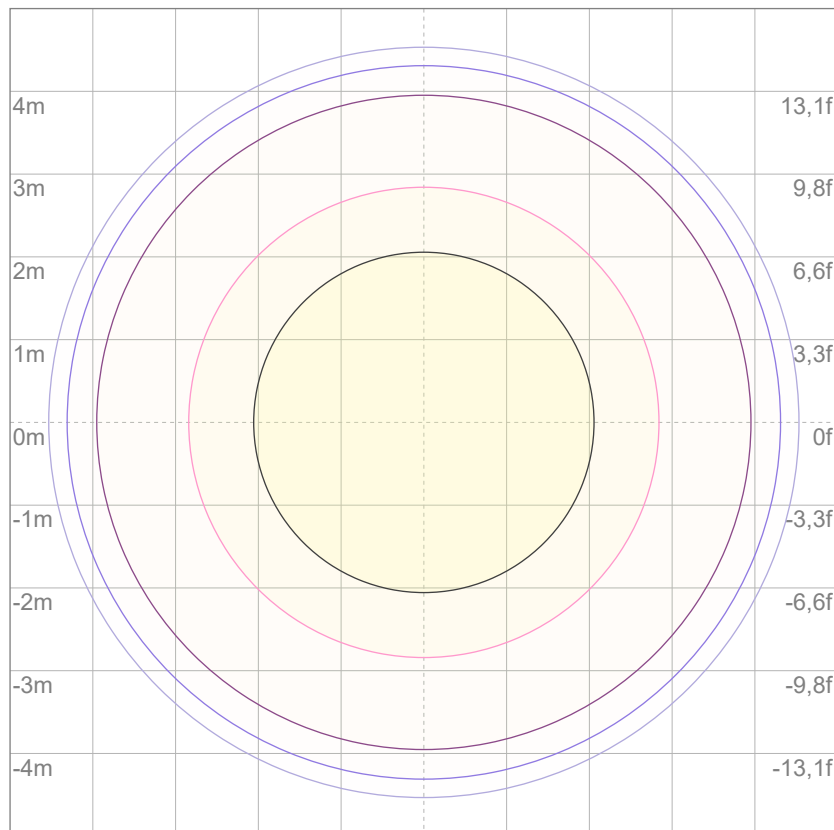
10%	5465 cd
20%	10930 cd
30%	16394 cd
40%	21859 cd
50%	27324 cd
60%	32789 cd
70%	38254 cd
80%	43719 cd

Conditions:

Number of c-planes: 2

Candela at center: 54648 cd

ISO LUX DIAGRAM



3%	16,4 lx
5%	27,3 lx
10%	54,6 lx
30%	164 lx
50%	273 lx

Conditions:

Number of c-planes: 2

Lux at center: 546 lx

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



Total lumen output:

6001 lm

Peak candela output:

157330 cd

Light quality:

CRI: 92,0

Color temperature:

2812 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

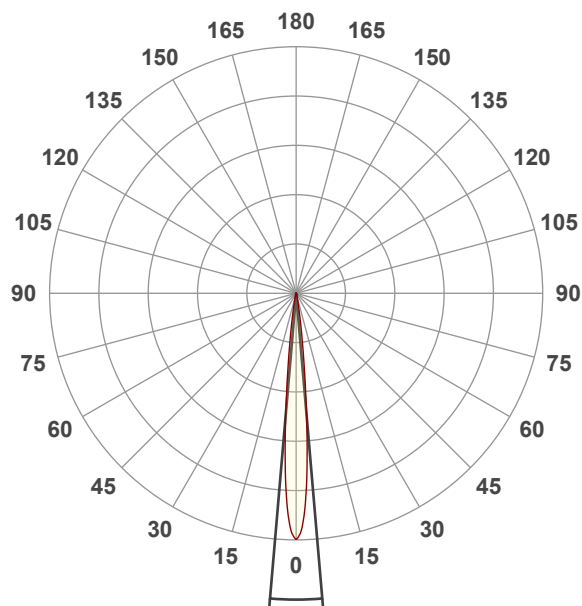
2800K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 12:56:42

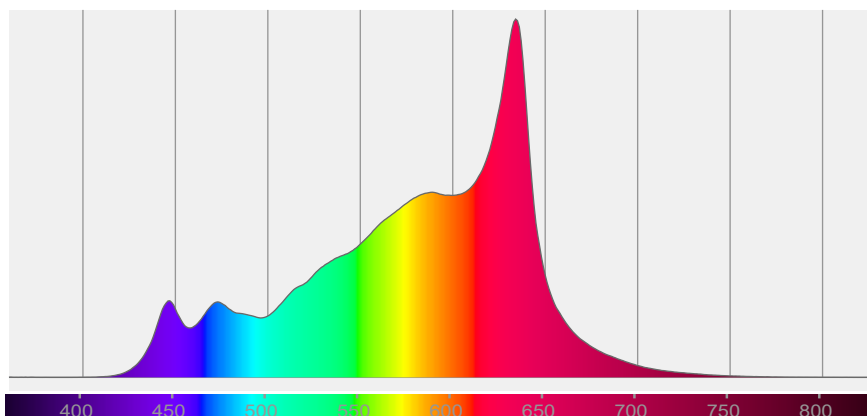


Beam angle 50%: 9,8°

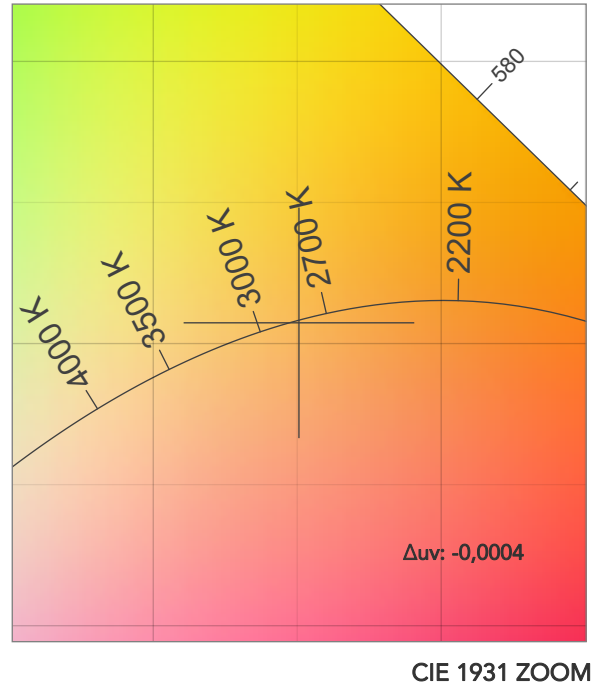
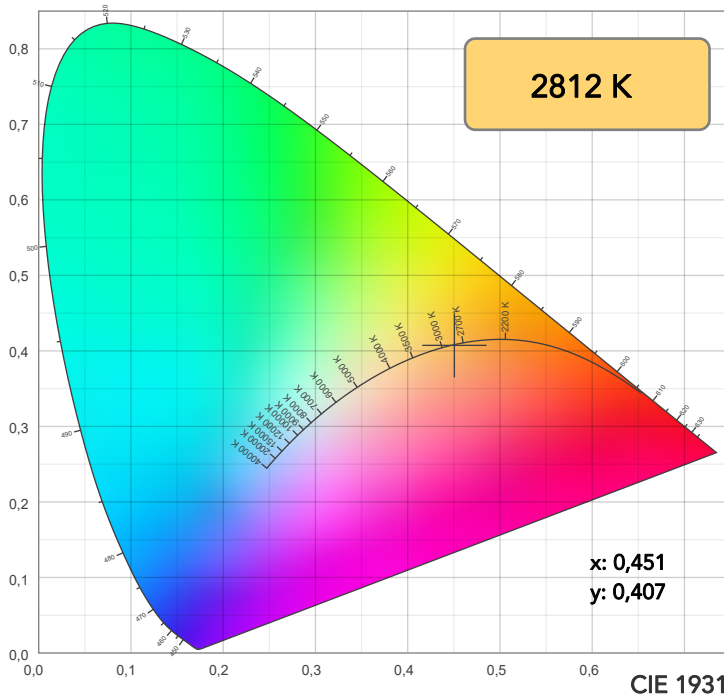
Field angle 10%: 18°

Cut off angle 2.5%: 24,9°

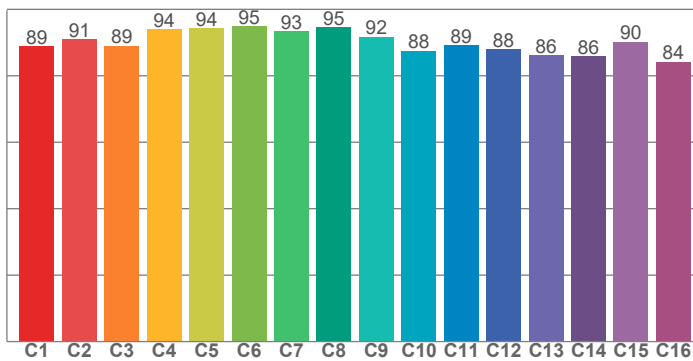
Spectra



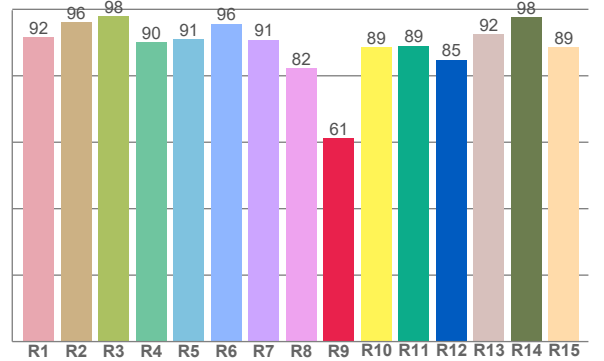
COLOR DETAILS



TM30: 90,3



CRI: 92,0 (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
91,7	96,2	98,0	90,1	91,1	95,7	90,9	82,2	61,3	88,6	89,0	84,8	92,4	97,6	88,6

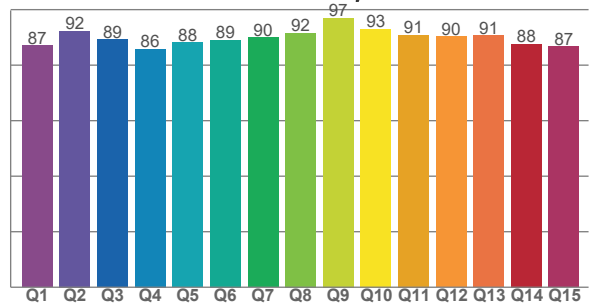
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,8	91,0	89,0	94,0	94,3	95,0	93,4	94,5	91,7	87,6	89,1	88,0	86,1	85,9	90,2	84,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,1	92,4	89,1	85,9	88,1	89,1	89,9	91,6	97,0	93,1	90,8	90,3	90,6	87,6	86,8

CQS: 89,5



COLOR PARAMETERS

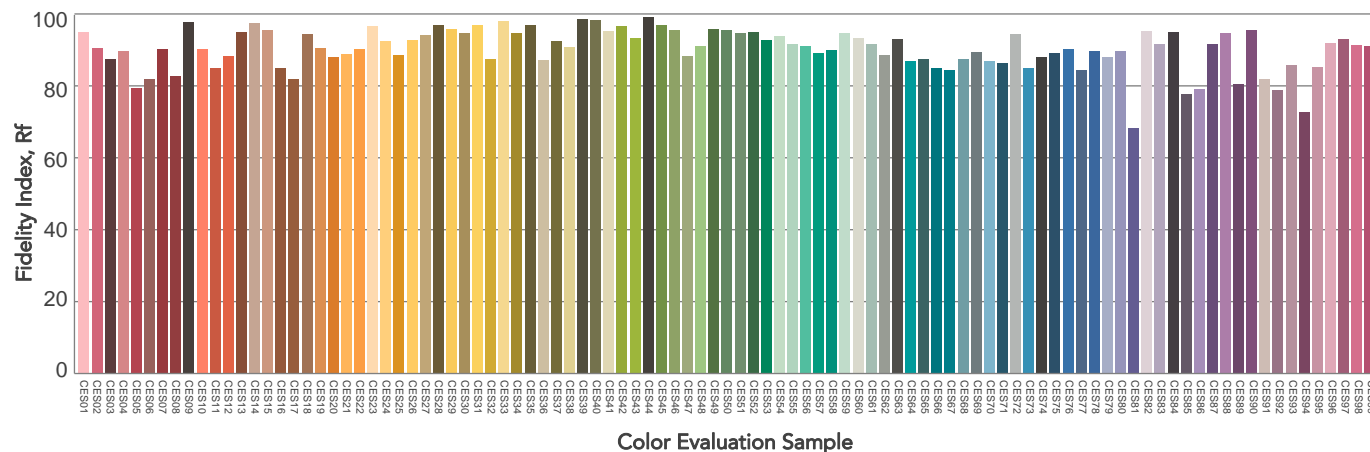
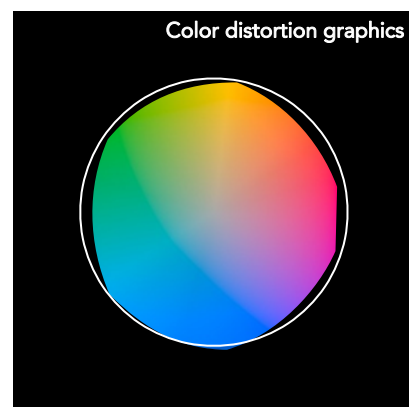
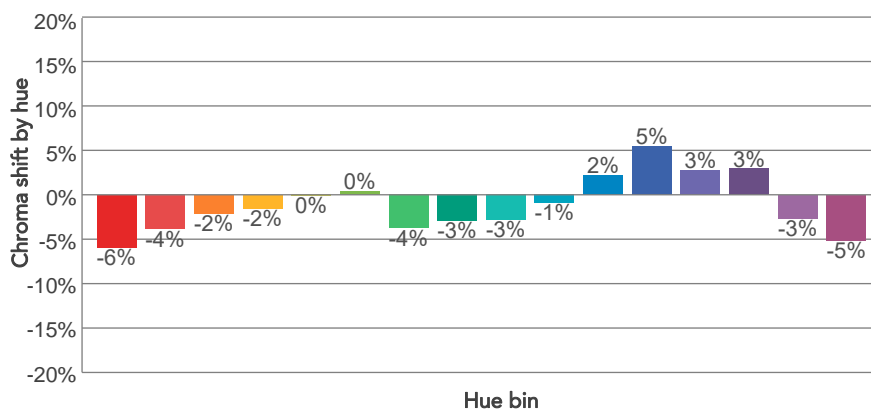
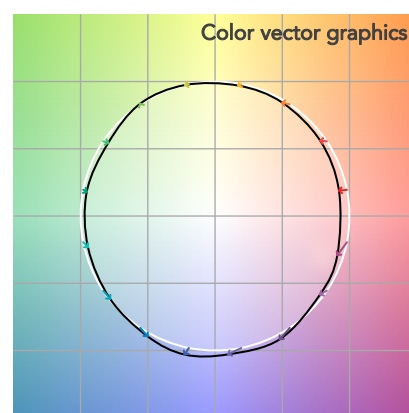
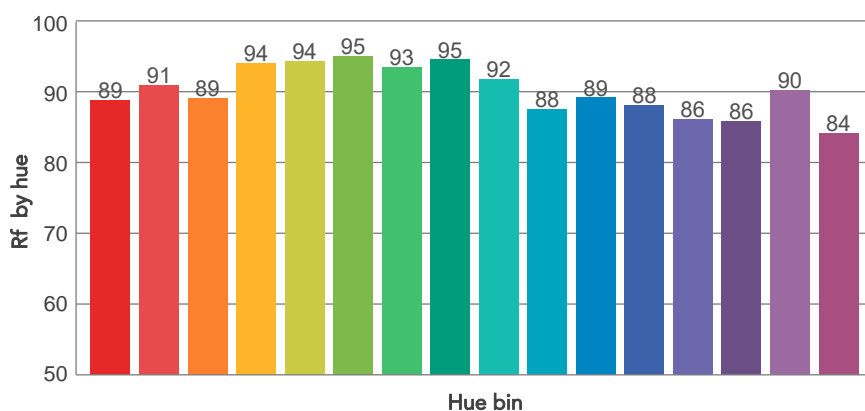
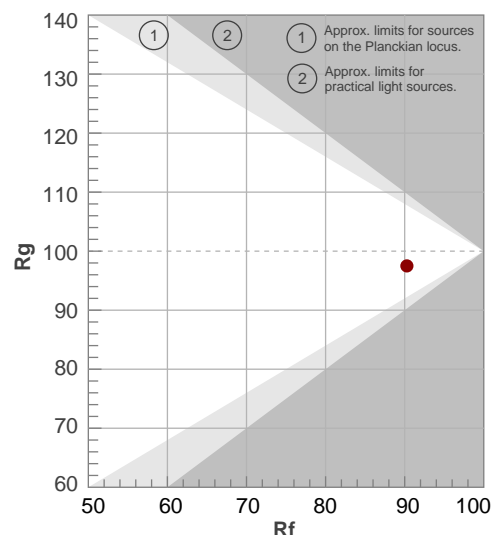
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2812 K	92,0	61,3	90,3	97,5	89,5	82	0,451	0,407	-0,0004

TM30 DETAILS

Rf 90,3
Fidelity index Rf

Rg 97,5
Gammut index

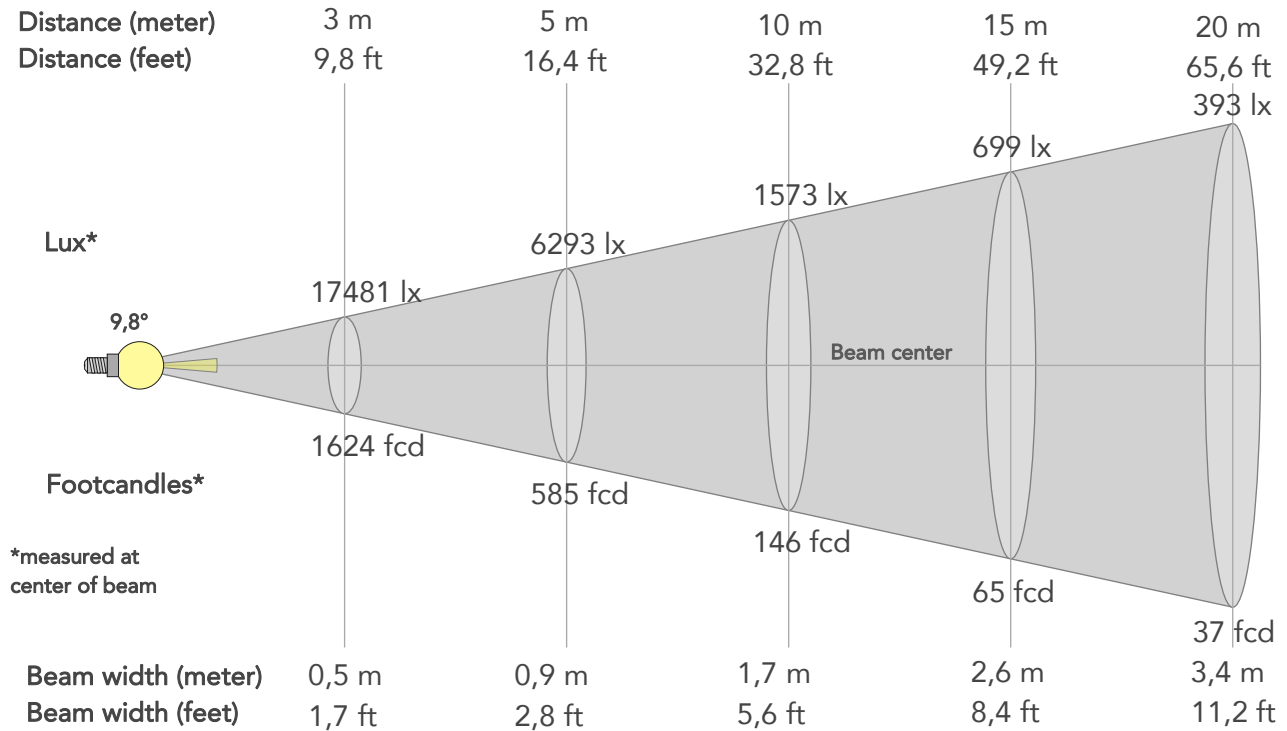
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	-6%	1%
2	91	-4%	3%
3	89	-2%	5%
4	94	-2%	2%
5	94	0%	3%
6	95	0%	0%
7	93	-4%	-1%
8	95	-3%	1%
9	92	-3%	4%
10	88	-1%	8%
11	89	2%	8%
12	88	5%	-2%
13	86	3%	-10%
14	86	3%	-11%
15	90	-3%	-5%
16	84	-5%	-11%



BEAM DETAILS



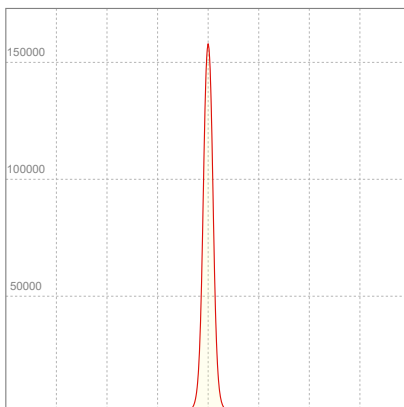
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	24,9°	99,8%	98,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	157330lx	39332lx	17481lx	9833lx	6293lx	2797lx	1573lx	699lx	393lx	252lx	175lx	98lx	63lx
Footcand.	14616fcd	3654fcd	1624fcd	914fcd	585fcd	260fcd	146fcd	65fcd	37fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

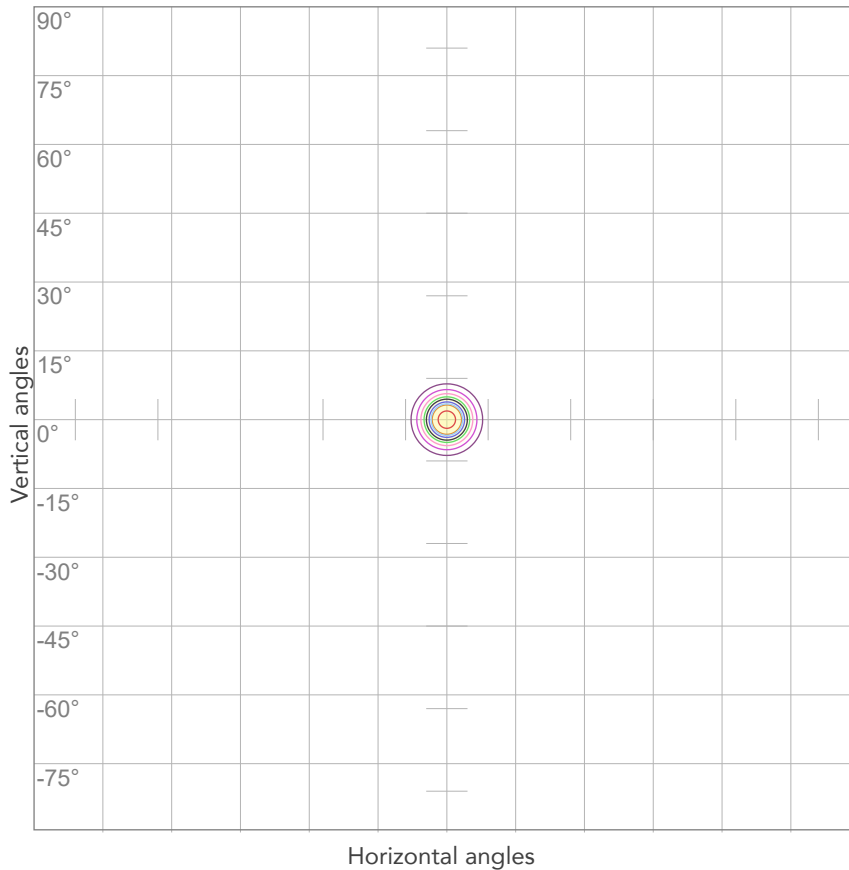


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	1,75A	396,5W	0,99	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



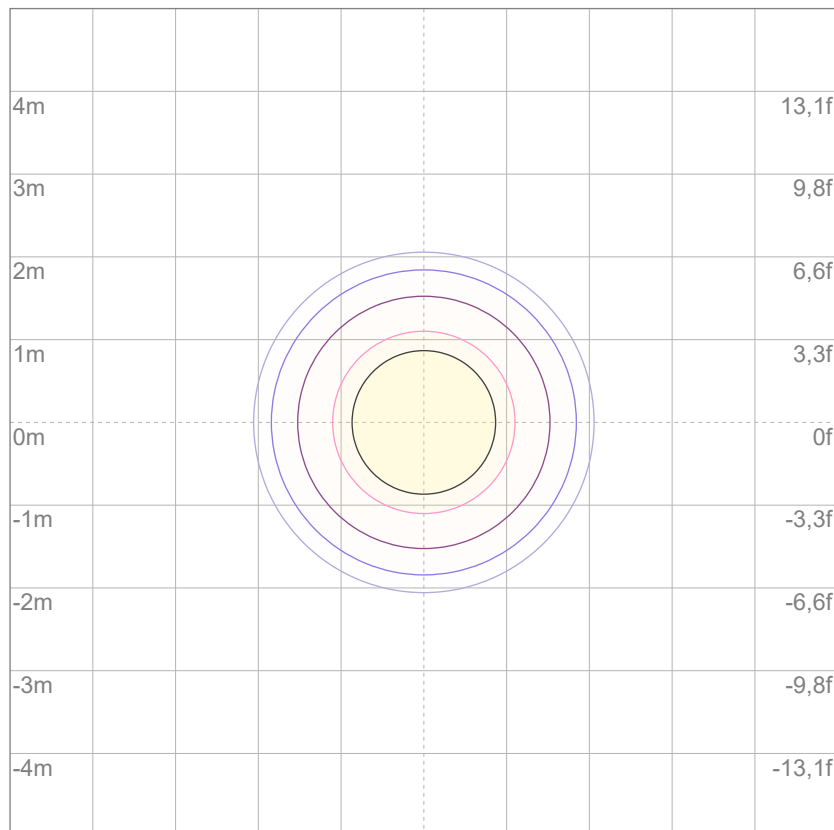
10%	15733 cd
20%	31466 cd
30%	47199 cd
40%	62932 cd
50%	78665 cd
60%	94398 cd
70%	110131 cd
80%	125864 cd

Conditions:

Number of c-planes: 2

Candela at center: 157330 cd

ISO LUX DIAGRAM



3%	47,2 lx
5%	78,7 lx
10%	157 lx
30%	472 lx
50%	787 lx

Conditions:

Number of c-planes: 2

Lux at center: 1573 lx

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



Total lumen output:

14090 lm

Peak candela output:

18579 cd

Light quality:

CRI: 95,1

Color temperature:

3228 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

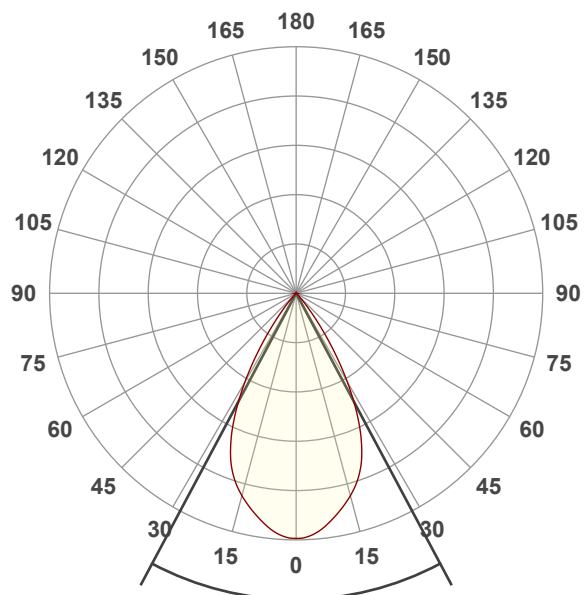
3200K - HB

Operator:

Salvatore Giglio

Date and time:

24/03/2025 17:12:03

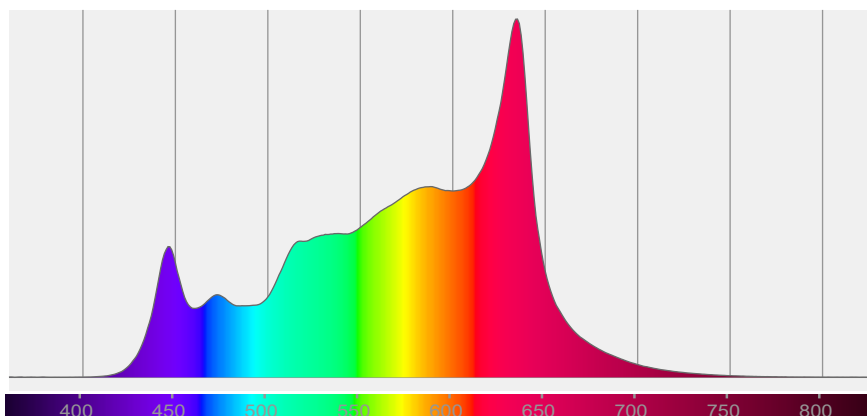


Beam angle 50%: 56,1°

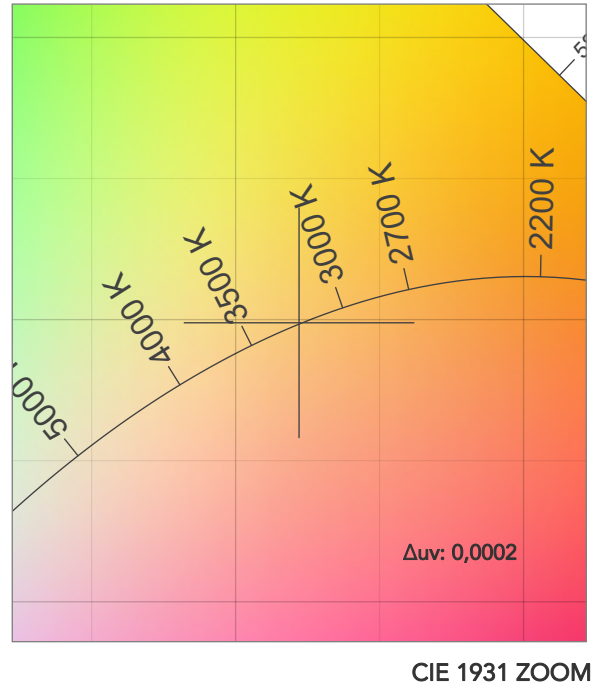
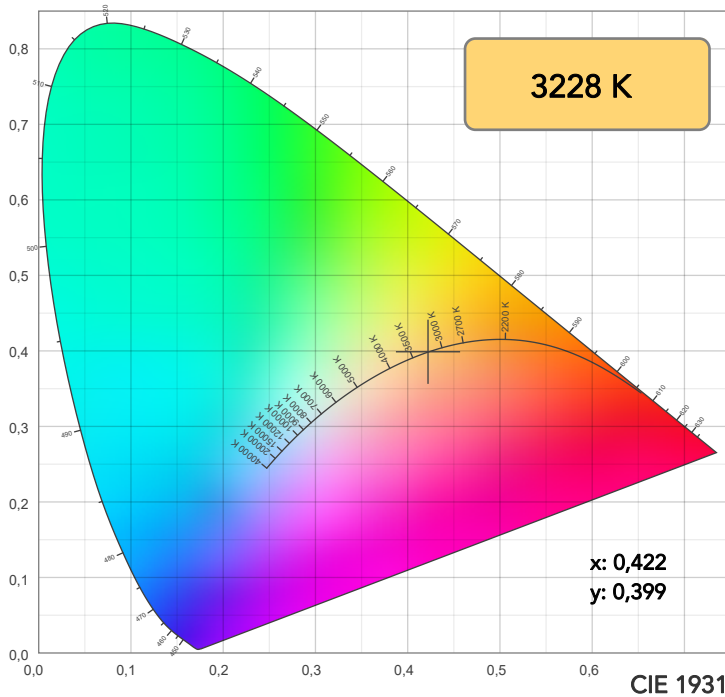
Field angle 10%: 76,8°

Cut off angle 2.5%: 85,5°

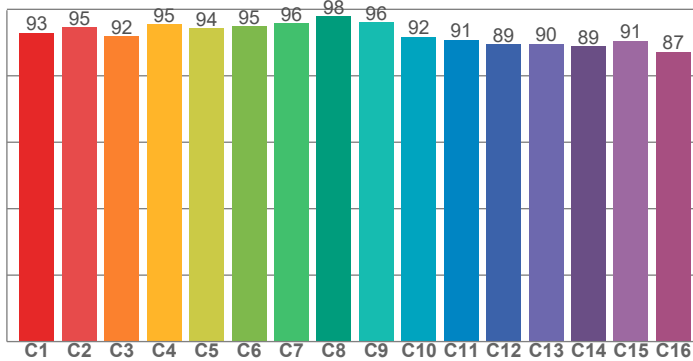
Spectra



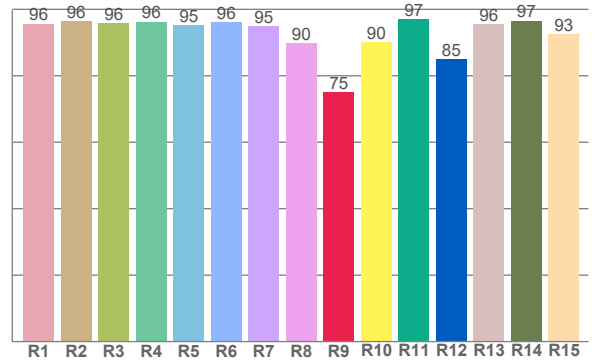
COLOR DETAILS



TM30: 92,8



CRI: 95,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,7	96,4	95,9	96,3	95,3	96,2	94,9	89,9	75,0	90,2	96,9	84,9	95,6	96,6	92,6

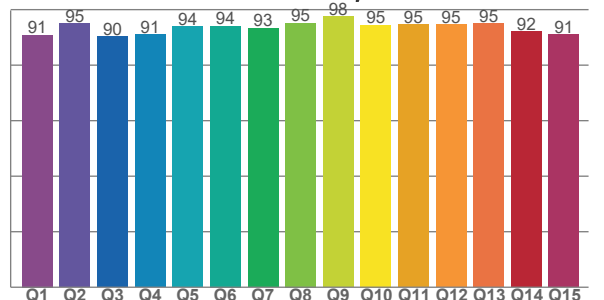
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,9	94,5	91,9	95,4	94,3	94,9	95,8	98,0	96,0	91,7	90,8	89,5	89,6	88,8	90,5	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,9	95,0	90,2	91,0	94,0	94,1	93,3	95,1	97,6	94,5	94,7	94,7	95,0	92,1	91,0

CQS: 93,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3228 K	95,1	75,0	92,8	100,4	93,2	87	0,422	0,399	0,0002

TM30 DETAILS

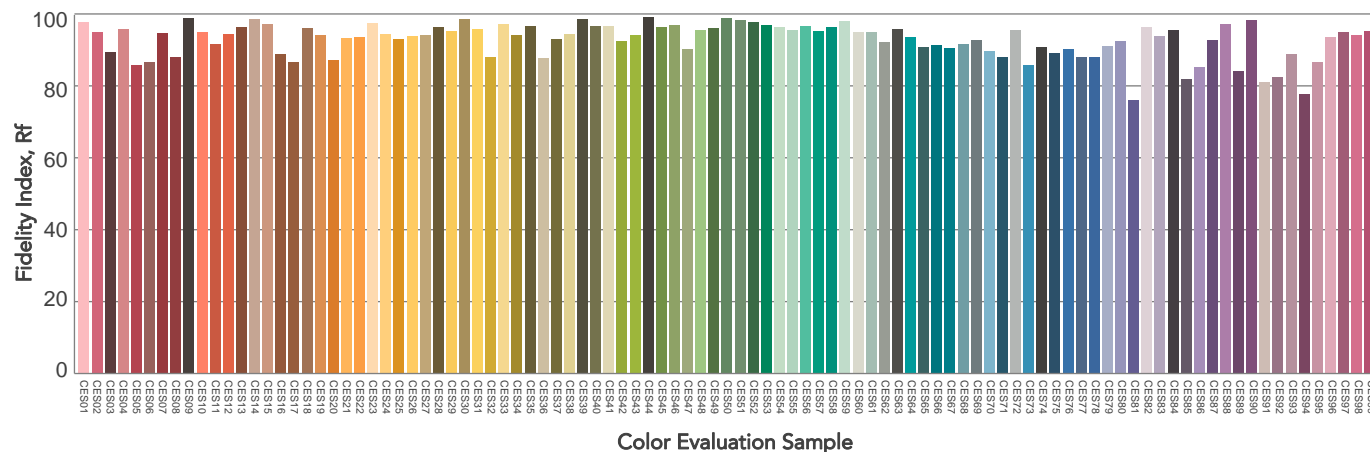
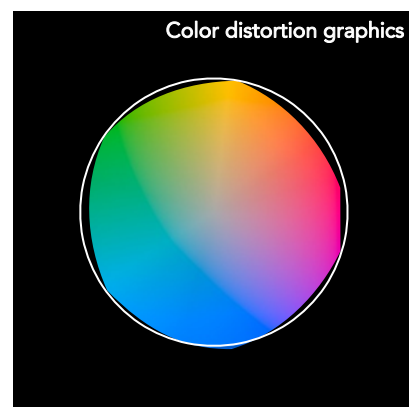
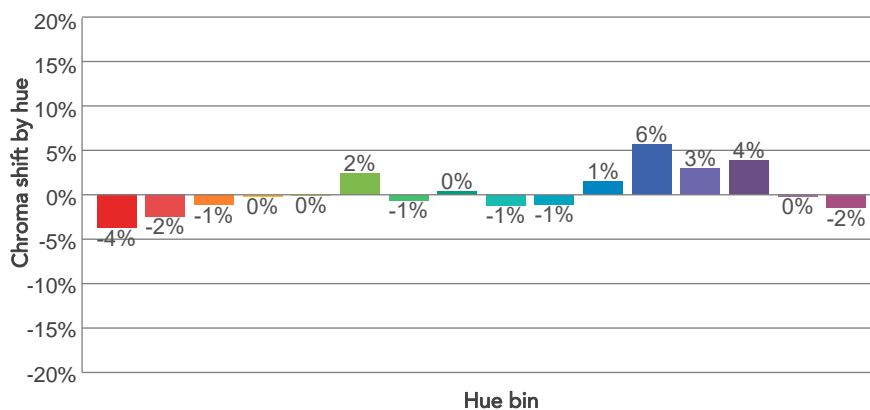
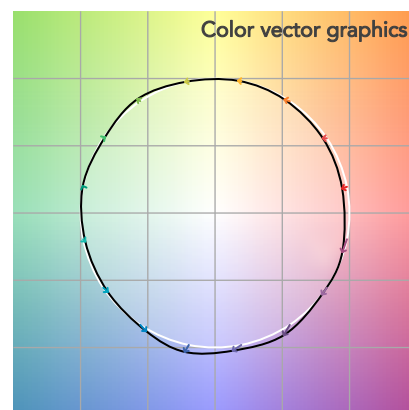
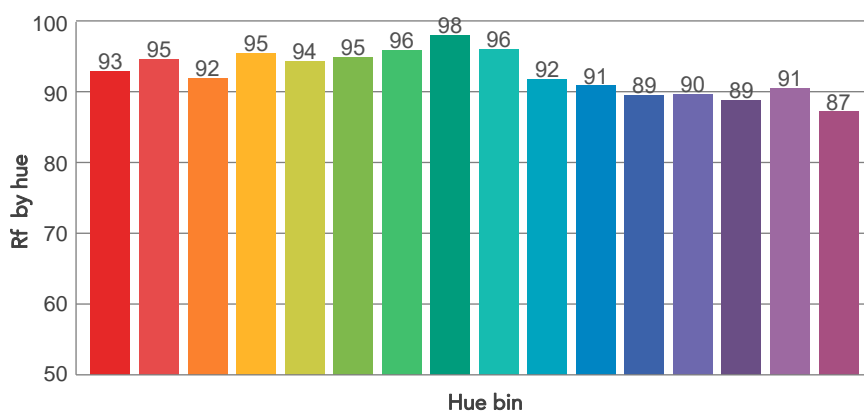
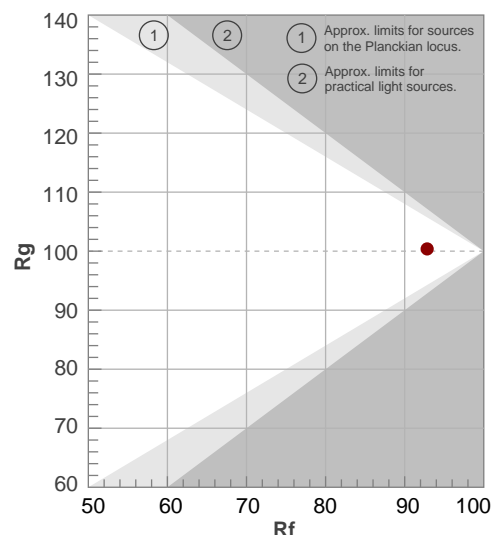
Rf 92,8

Fidelity index Rf

Rg 100,4

Gammut index

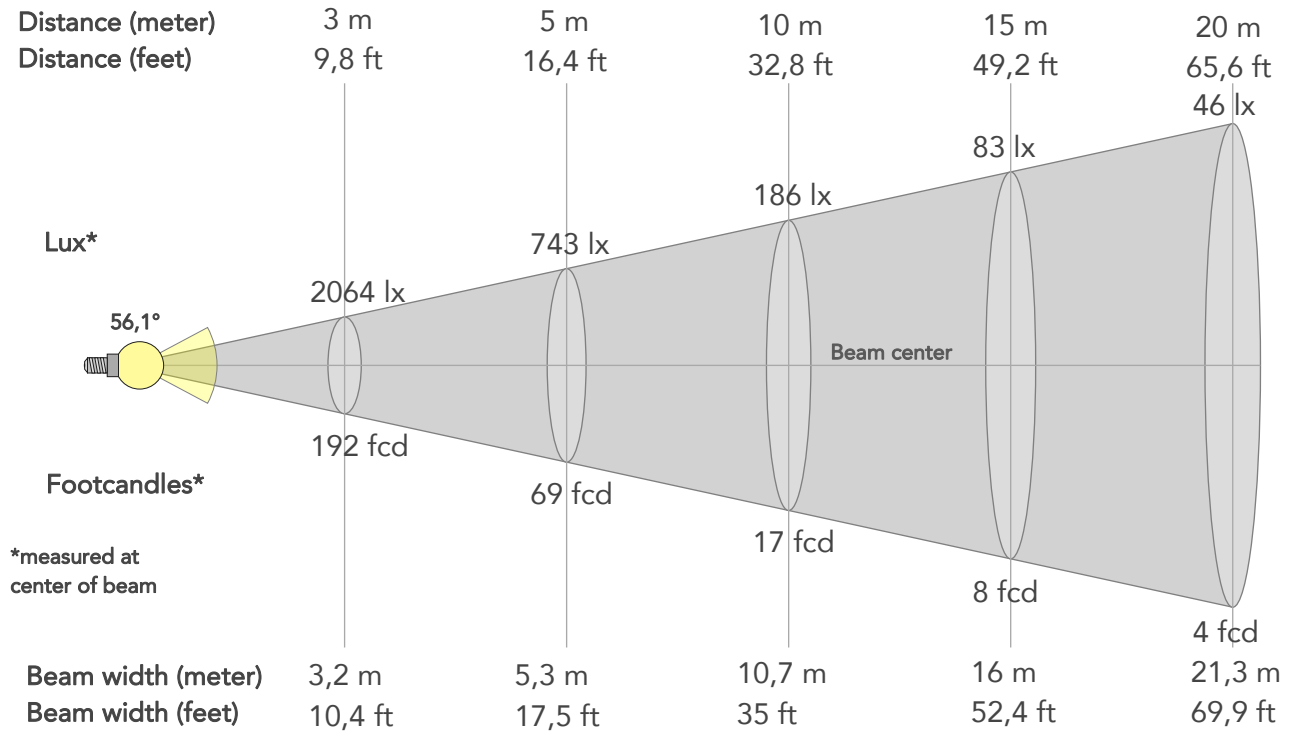
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	-1%
2	95	-2%	2%
3	92	-1%	4%
4	95	0%	2%
5	94	0%	3%
6	95	2%	1%
7	96	-1%	-1%
8	98	0%	-1%
9	96	-1%	2%
10	92	-1%	4%
11	91	1%	6%
12	89	6%	-2%
13	90	3%	-7%
14	89	4%	-8%
15	91	0%	-6%
16	87	-2%	-10%



BEAM DETAILS



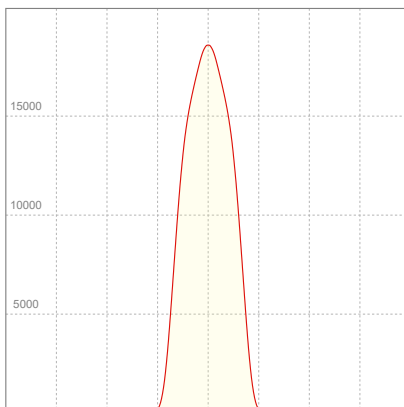
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,1°	76,8°	85,5°	99,7%	99,2%



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	18579lx	4645lx	2064lx	1161lx	743lx	330lx	186lx	83lx	46lx	30lx	21lx	12lx	7lx
Footcand.	1726fcd	432fcd	192fcd	108fcd	69fcd	31fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,3m	26,6m	32m	42,6m	53,3m
Beam wid.	3,5ft	7ft	10,4ft	14ft	17,5ft	26,2ft	35ft	52,4ft	69,9ft	87,4ft	104,9ft	139,8ft	174,8ft

LINEAR DISTRIBUTION DIAGRAM

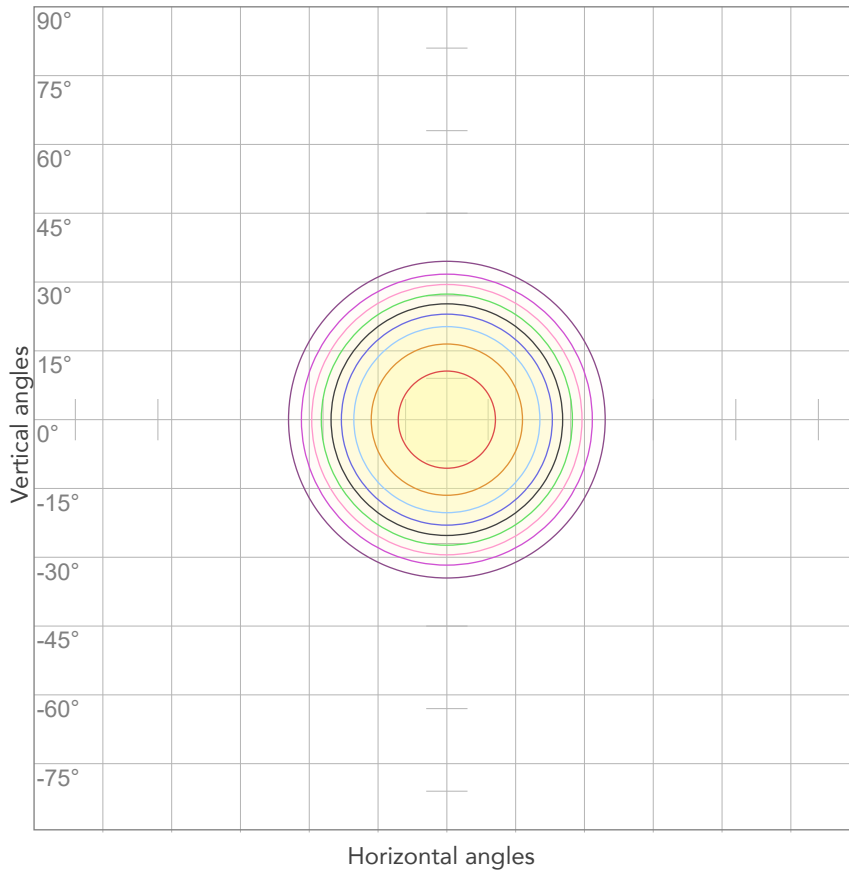


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,04A	456,3W	1,0	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



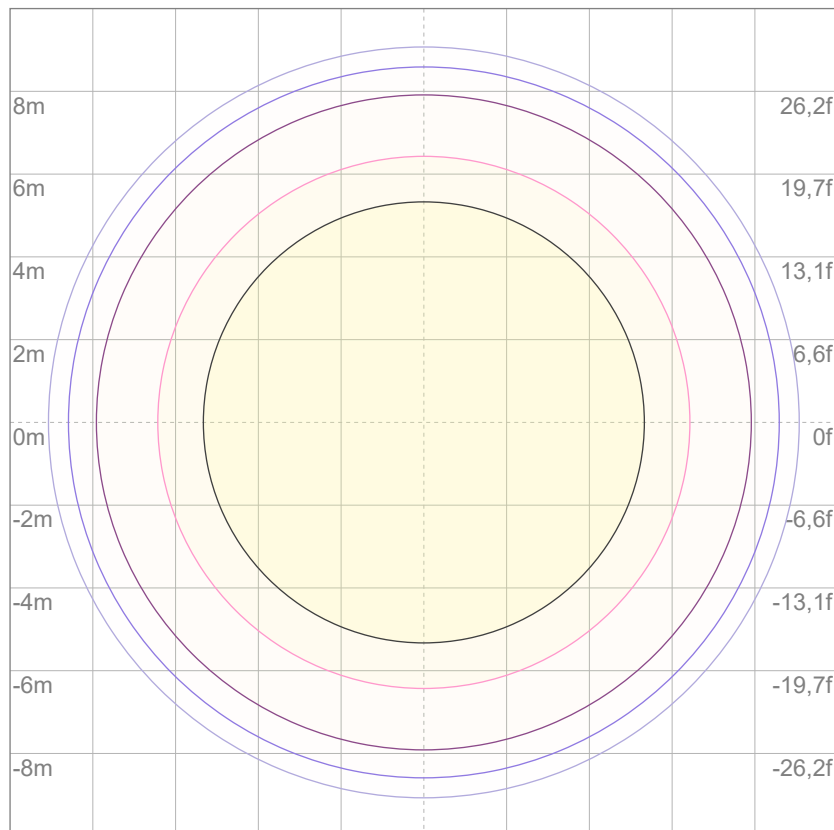
10%	1858 cd
20%	3716 cd
30%	5574 cd
40%	7432 cd
50%	9290 cd
60%	11148 cd
70%	13005 cd
80%	14863 cd

Conditions:

Number of c-planes: 2

Candela at center: 18579 cd

ISO LUX DIAGRAM



3%	5,57 lx
5%	9,29 lx
10%	18,6 lx
30%	55,7 lx
50%	92,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 186 lx

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



Total lumen output:

11894 lm

Peak candela output:

62890 cd

Light quality:

CRI: 95,1

Color temperature:

3250 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

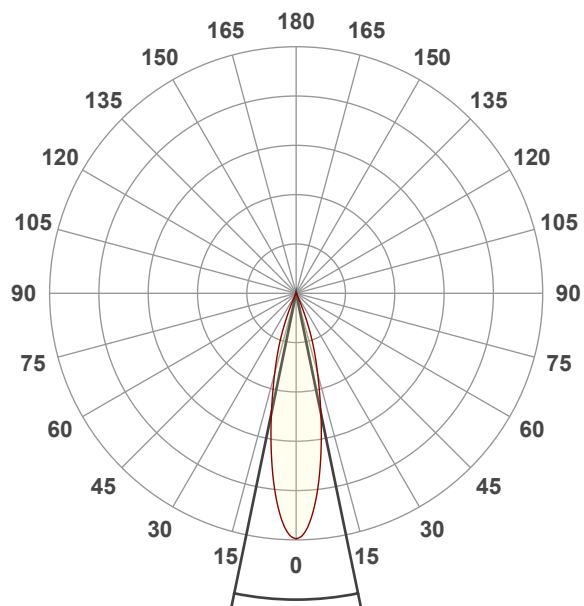
3200K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 13:13:57

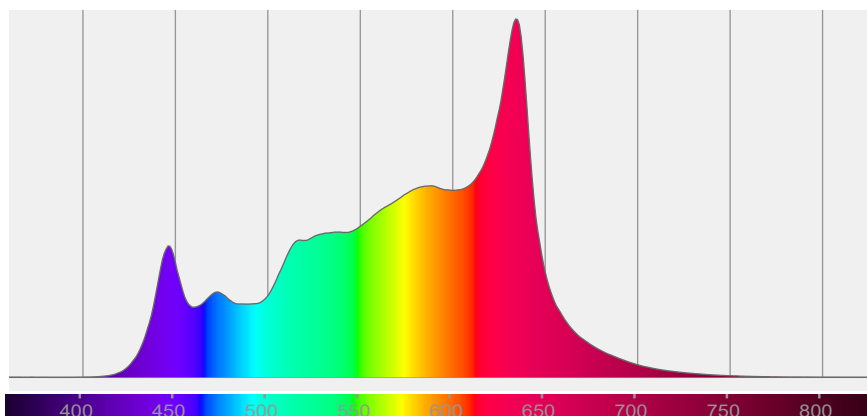


Beam angle 50%: 23,3°

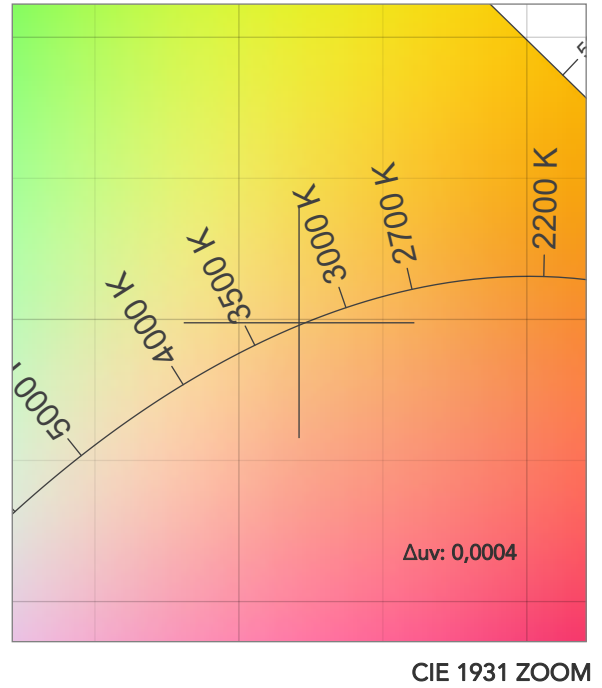
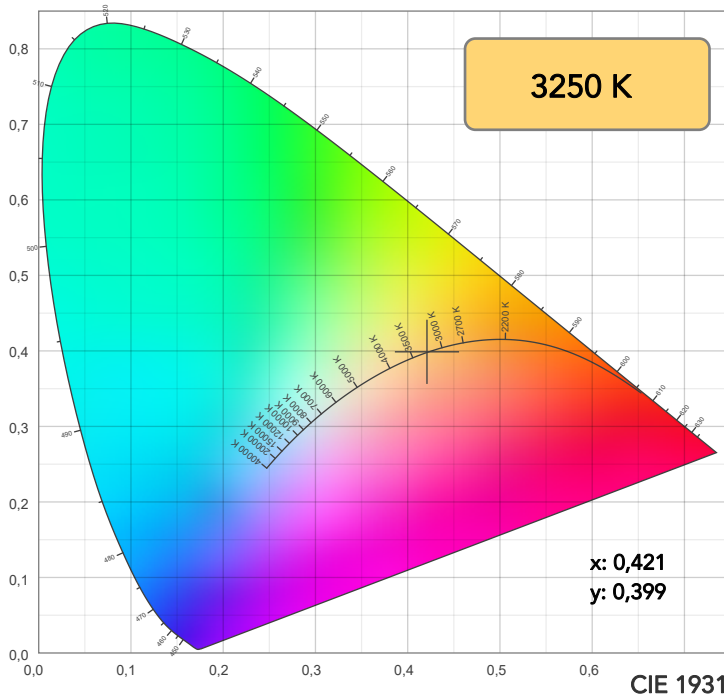
Field angle 10%: 43,2°

Cut off angle 2.5%: 49,8°

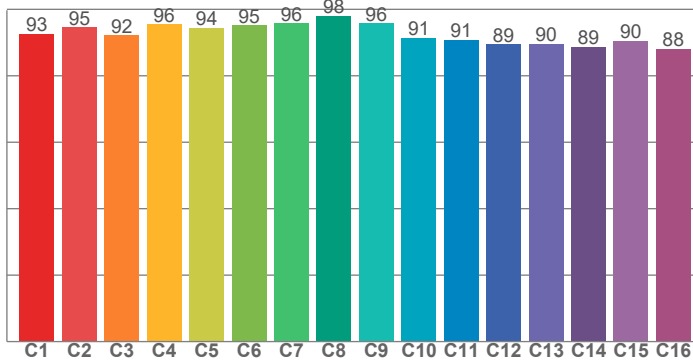
Spectra



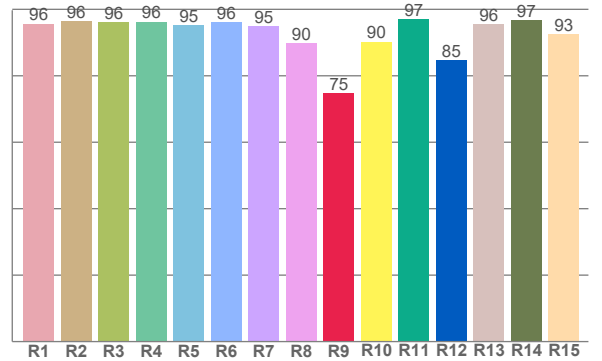
COLOR DETAILS



TM30: 92,9



CRI: 95,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,7	96,4	96,1	96,3	95,3	96,2	94,9	89,8	74,8	90,3	97,0	84,7	95,6	96,6	92,5

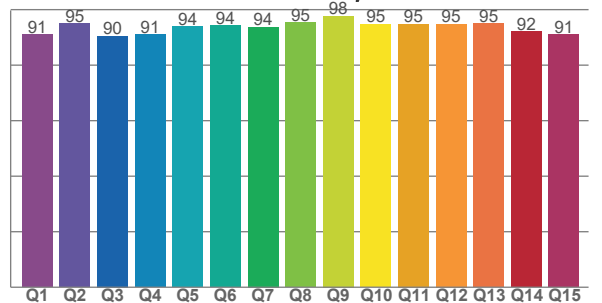
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,7	94,6	92,2	95,6	94,4	95,2	95,9	98,1	95,8	91,5	90,8	89,5	89,6	88,8	90,5	88,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,9	95,0	90,5	91,0	94,0	94,3	93,7	95,3	97,7	94,7	94,9	94,8	95,1	92,1	91,0

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
3250 K	95,1	74,8	92,9	100,1	93,3	87	0,421	0,399	0,0004

TM30 DETAILS

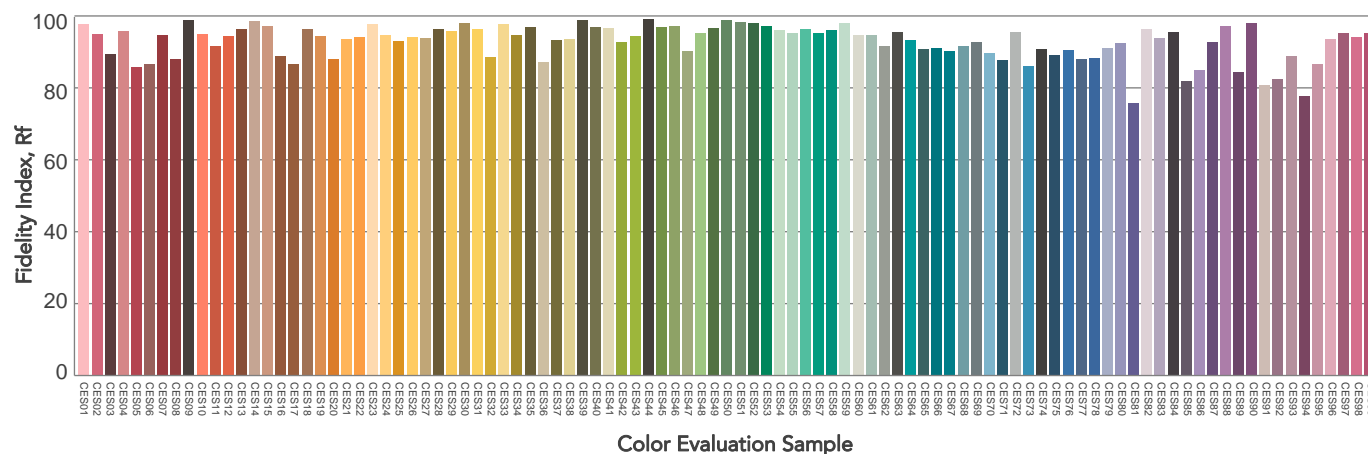
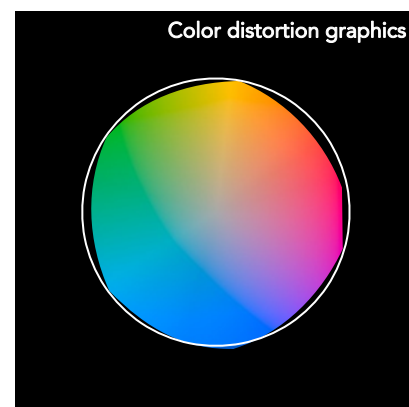
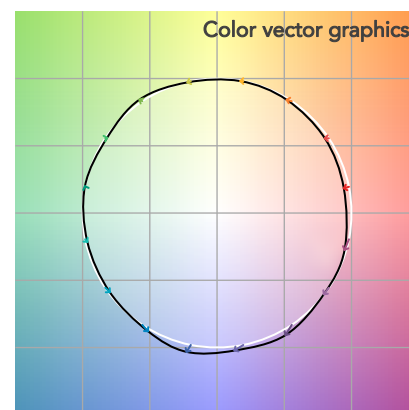
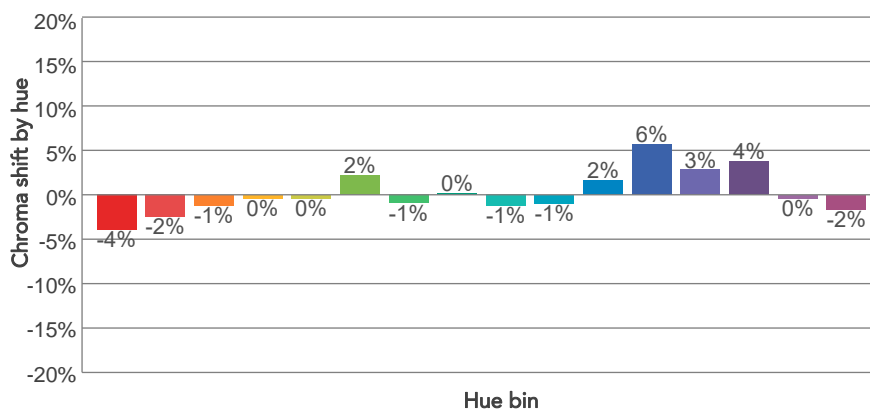
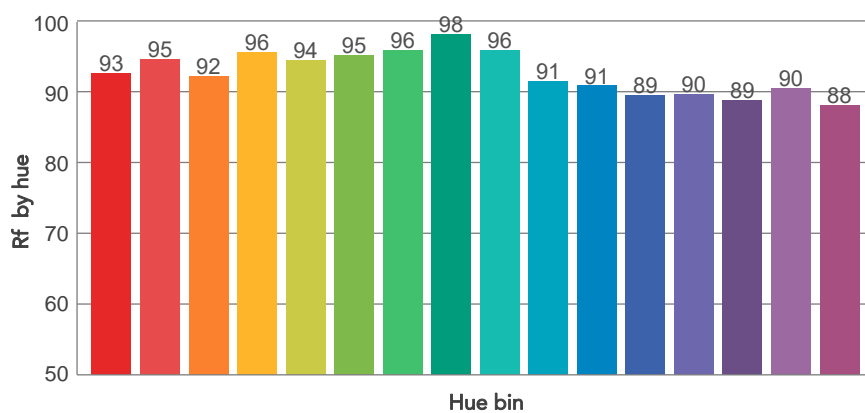
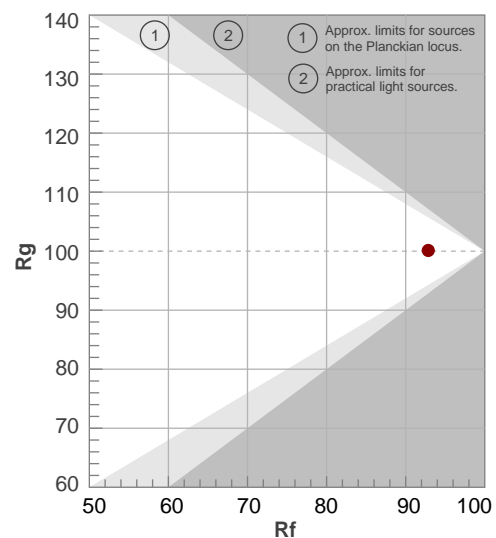
Rf 92,9

Fidelity index R_f

Rg 100,1

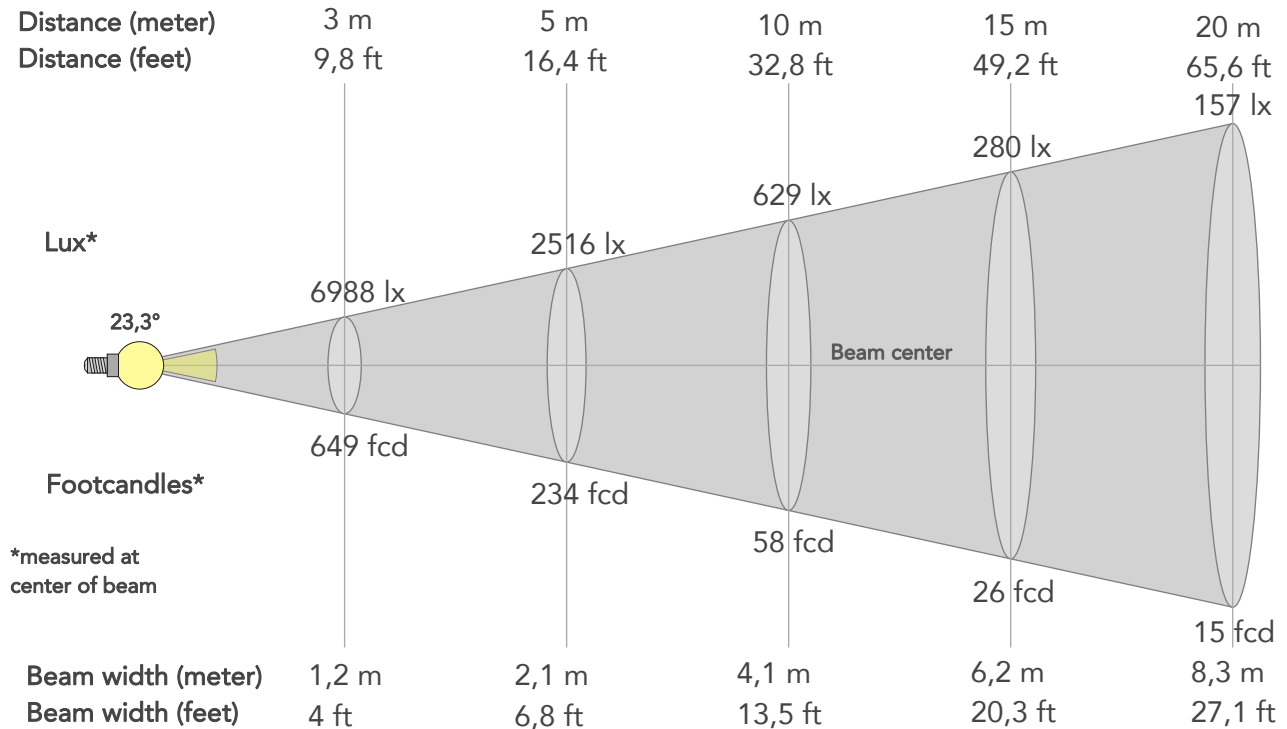
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-4%	0%
2	95	-2%	2%
3	92	-1%	4%
4	96	0%	2%
5	94	0%	3%
6	95	2%	1%
7	96	-1%	-1%
8	98	0%	0%
9	96	-1%	2%
10	91	-1%	5%
11	91	2%	6%
12	89	6%	-2%
13	90	3%	-7%
14	89	4%	-8%
15	90	0%	-6%
16	88	-2%	-8%



BEAM DETAILS

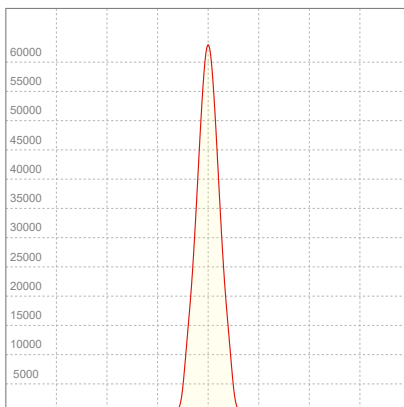
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	43,2°	49,8°	99,7%	98,9%



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	62890lx	15722lx	6988lx	3931lx	2516lx	1118lx	629lx	280lx	157lx	101lx	70lx	39lx	25lx
Footcand.	5843fcd	1461fcd	649fcd	365fcd	234fcd	104fcd	58fcd	26fcd	15fcd	9fcd	6fcd	4fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,2ft	13,5ft	20,3ft	27,1ft	33,8ft	40,6ft	54,1ft	67,7ft

LINEAR DISTRIBUTION DIAGRAM

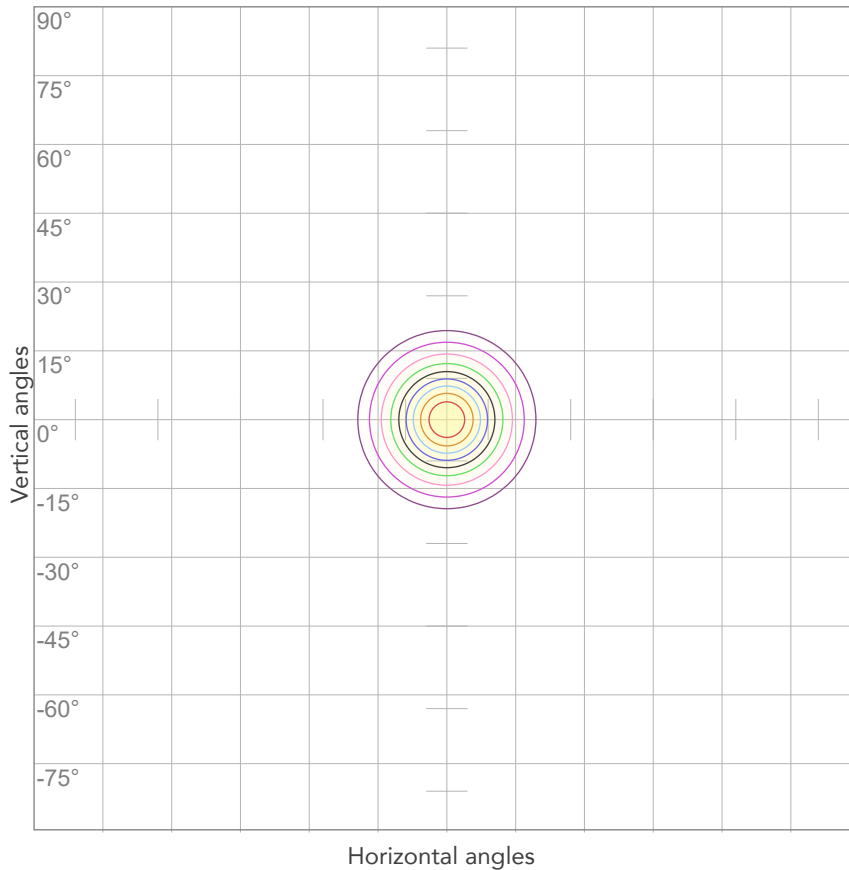


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	2,02A	455,4W	1,0	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



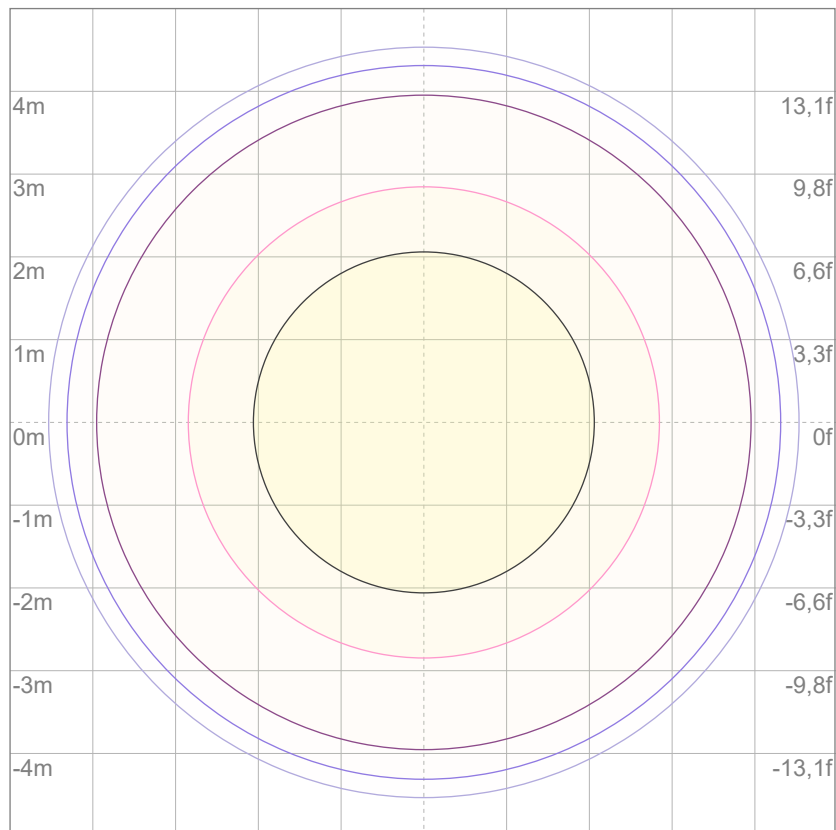
10%	6289 cd
20%	12578 cd
30%	18867 cd
40%	25156 cd
50%	31445 cd
60%	37734 cd
70%	44023 cd
80%	50312 cd

Conditions:

Number of c-planes: 2

Candela at center: 62890 cd

ISO LUX DIAGRAM



3%	18,9 lx
5%	31,4 lx
10%	62,9 lx
30%	189 lx
50%	314 lx

Conditions:

Number of c-planes: 2

Lux at center: 629 lx

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



Total lumen output:

6969 lm

Peak candela output:

181378 cd

Light quality:

CRI: 95,6

Color temperature:

3248 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

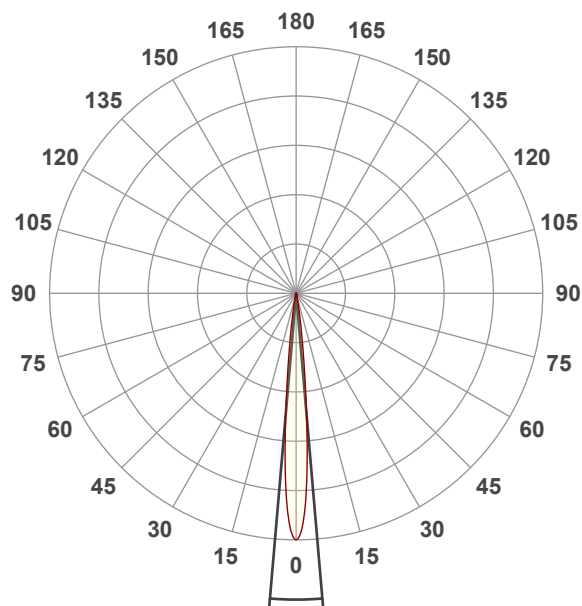
3200K - HB

Operator:

Salvatore Giglio

Date and time:

24/03/2025 17:16:25

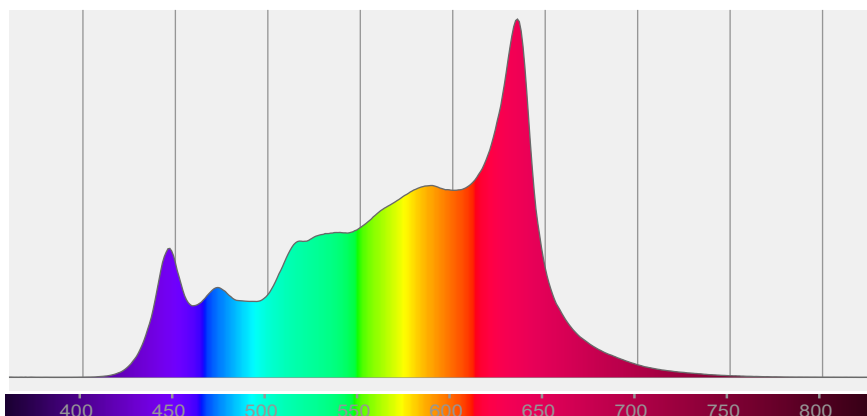


Beam angle 50%: 9,8°

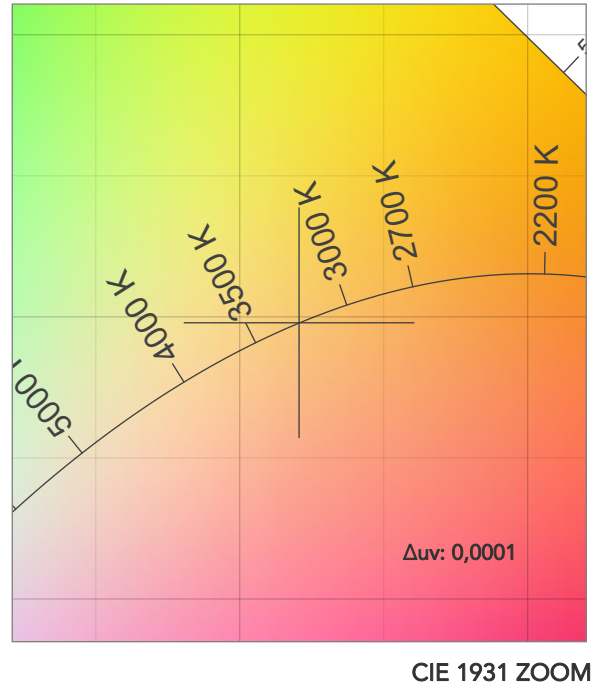
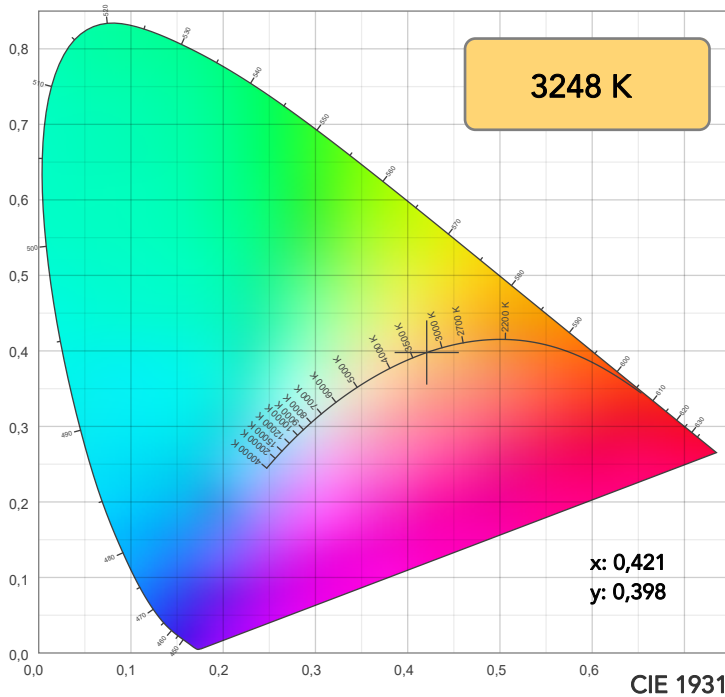
Field angle 10%: 18°

Cut off angle 2.5%: 24,9°

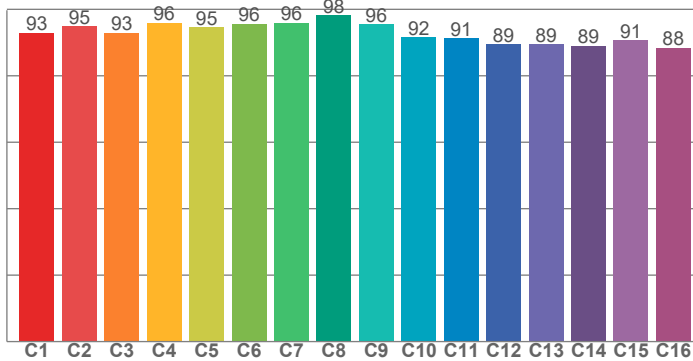
Spectra



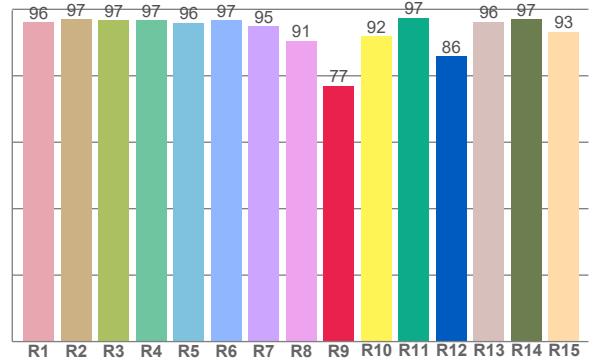
COLOR DETAILS



TM30: 93,1



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,2	97,1	96,7	96,7	96,0	96,8	95,0	90,6	77,0	91,8	97,5	85,8	96,3	97,0	93,3

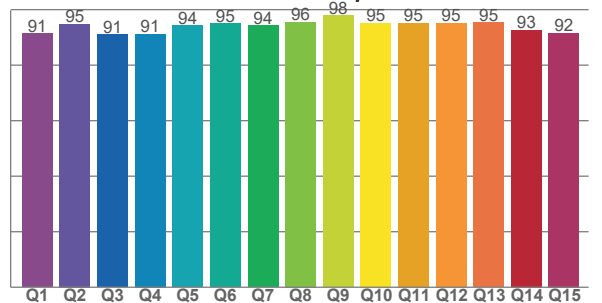
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,9	94,9	92,9	96,0	94,7	95,6	96,0	98,2	95,6	91,5	91,3	89,5	89,5	89,0	90,7	88,4

CQS Q values

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

CQS: 93,7



COLOR PARAMETERS

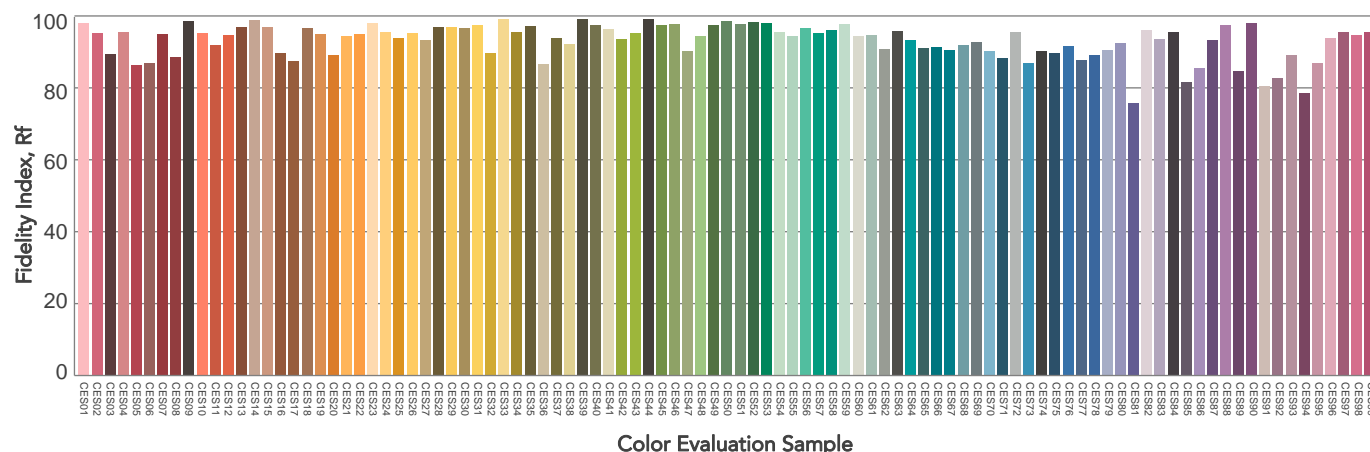
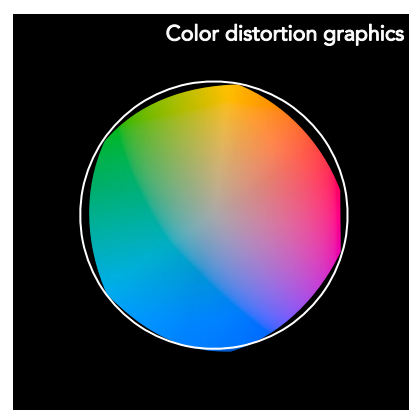
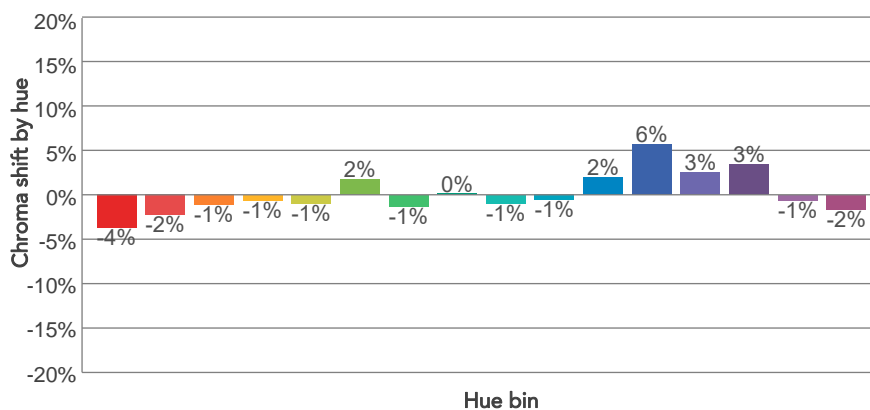
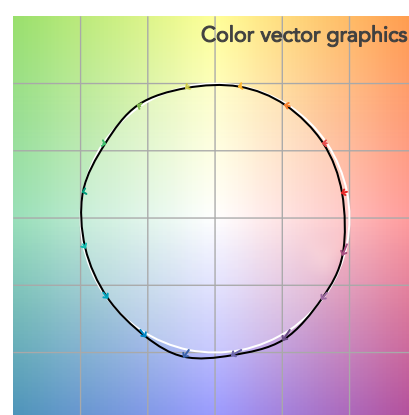
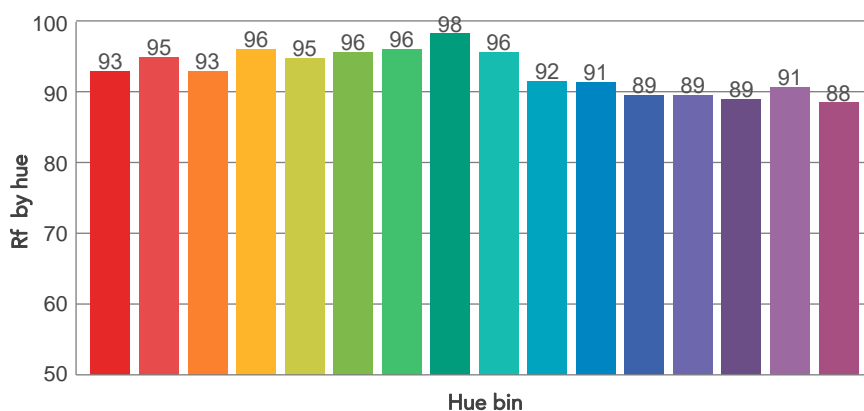
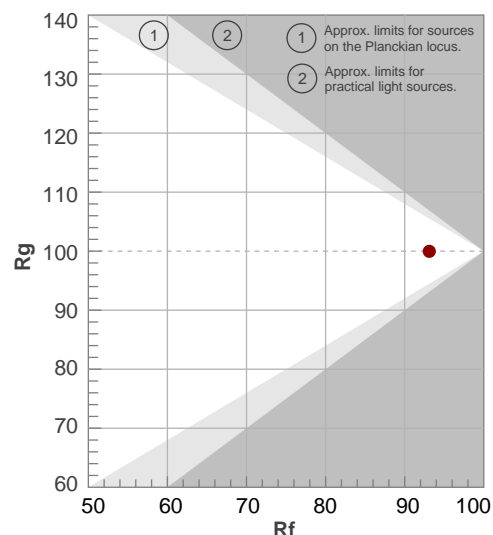
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3248 K	95,6	77,0	93,1	100,0	93,7	88	0,421	0,398	0,0001

TM30 DETAILS

Rf 93,1
Fidelity index Rf

Rg 100,0
Gammut index

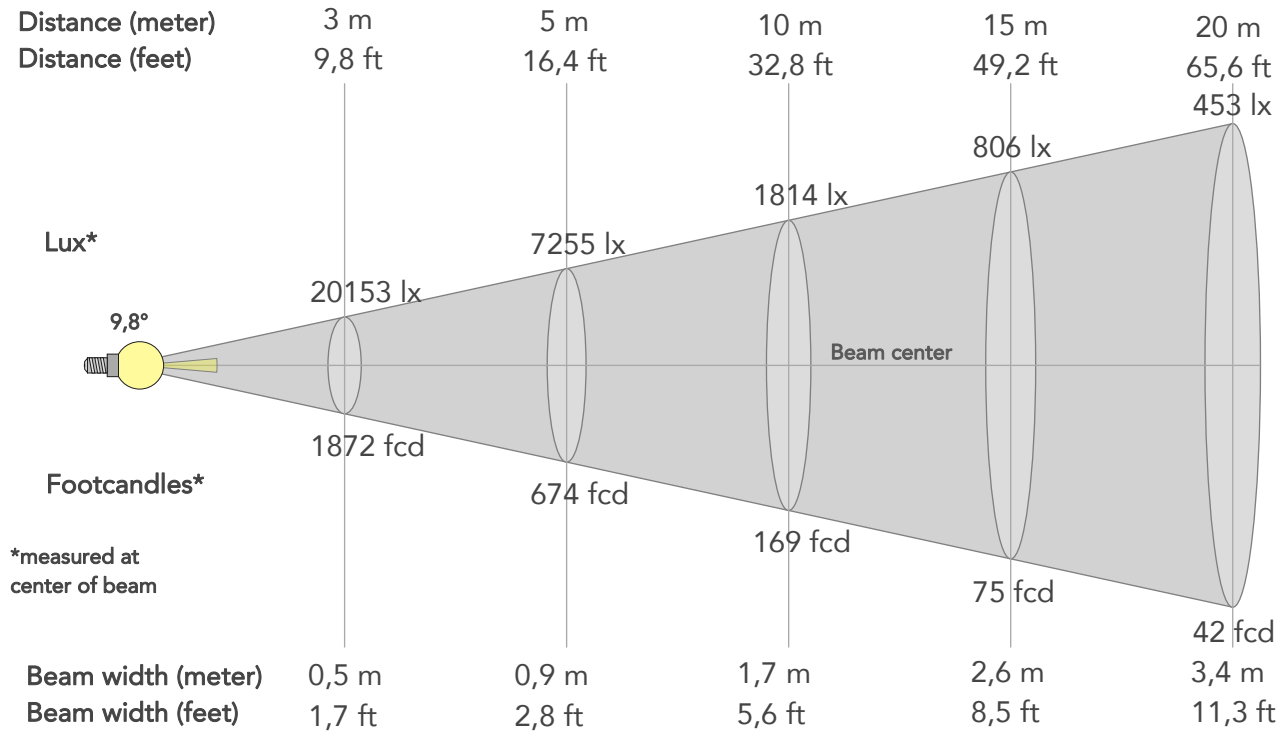
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-4%	0%
2	95	-2%	2%
3	93	-1%	3%
4	96	-1%	2%
5	95	-1%	2%
6	96	2%	1%
7	96	-1%	-1%
8	98	0%	0%
9	96	-1%	3%
10	92	-1%	5%
11	91	2%	6%
12	89	6%	-3%
13	89	3%	-7%
14	89	3%	-8%
15	91	-1%	-6%
16	88	-2%	-8%



BEAM DETAILS



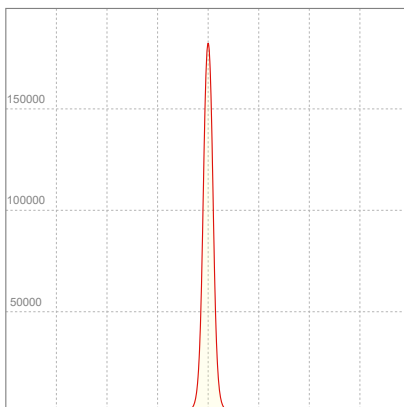
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	24,9°	99,8%	98,7%



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	181378lx	45345lx	20153lx	11336lx	7255lx	3224lx	1814lx	806lx	453lx	290lx	202lx	113lx	73lx
Footcand.	16851fcd	4213fcd	1872fcd	1053fcd	674fcd	300fcd	169fcd	75fcd	42fcd	27fcd	19fcd	11fcd	7fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,2m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,8ft	4,2ft	5,6ft	8,5ft	11,3ft	14,1ft	16,9ft	22,5ft	28,2ft

LINEAR DISTRIBUTION DIAGRAM

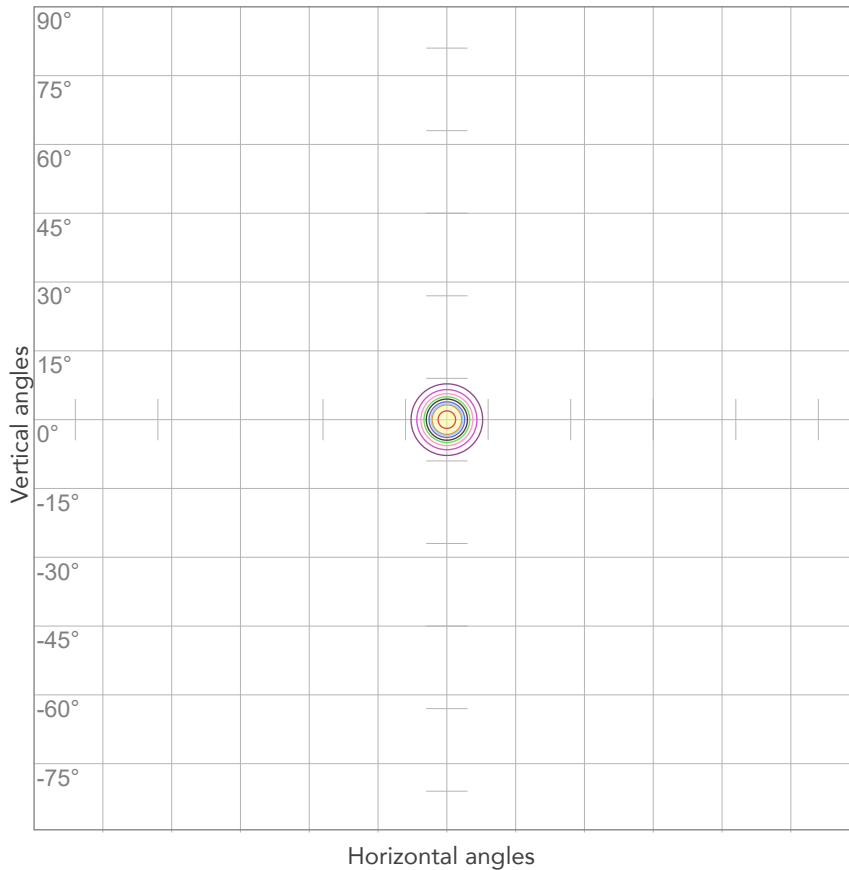


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,04A	458,9W	1,0	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



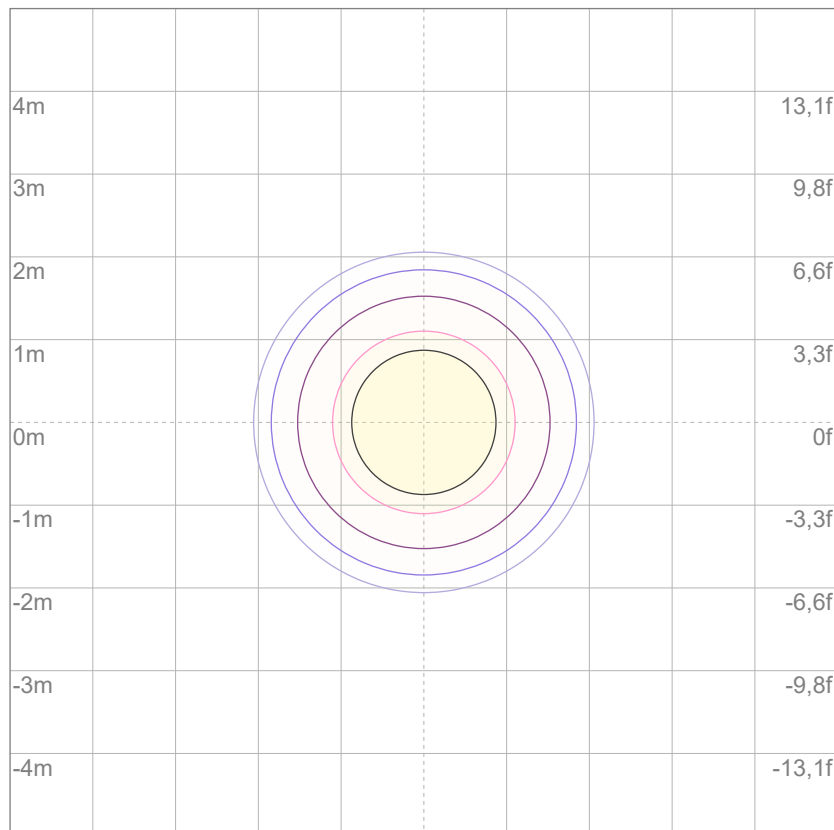
10%	18138 cd
20%	36276 cd
30%	54413 cd
40%	72551 cd
50%	90689 cd
60%	108827 cd
70%	126965 cd
80%	145102 cd

Conditions:

Number of c-planes: 2

Candela at center: 181378 cd

ISO LUX DIAGRAM



3%	54,4 lx
5%	90,7 lx
10%	181 lx
30%	544 lx
50%	907 lx

Conditions:

Number of c-planes: 2

Lux at center: 1814 lx

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



Total lumen output:

15539 lm

Peak candela output:

20414 cd

Light quality:

CRI: 93,6

Color temperature:

4053 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

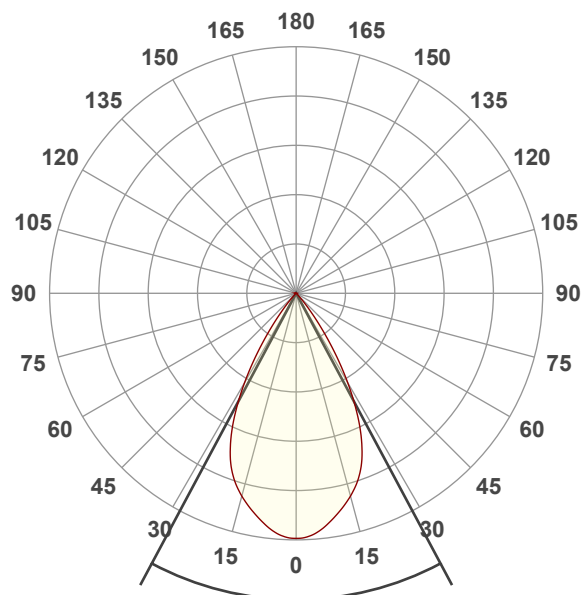
4000K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 11:51:27

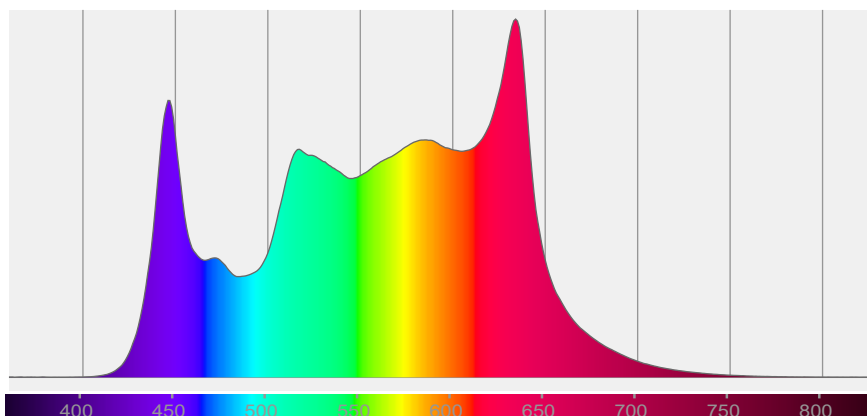


Beam angle 50%: 56,2°

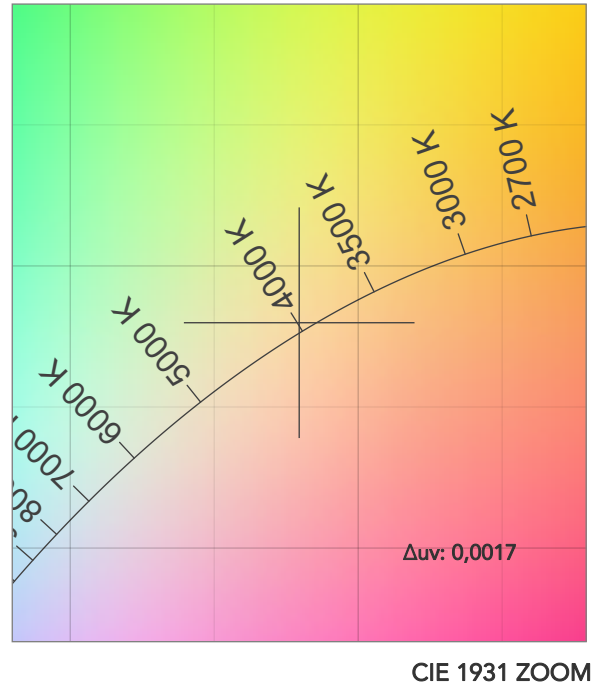
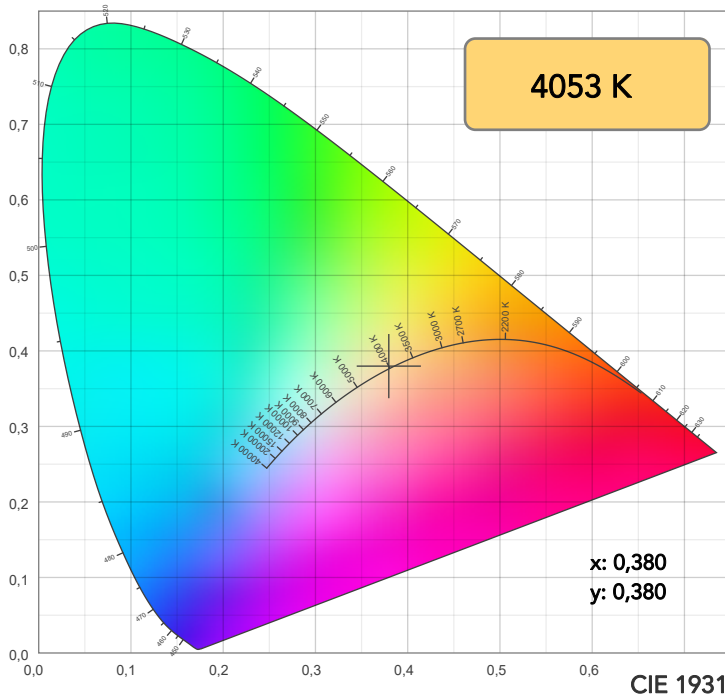
Field angle 10%: 76,9°

Cut off angle 2.5%: 85,6°

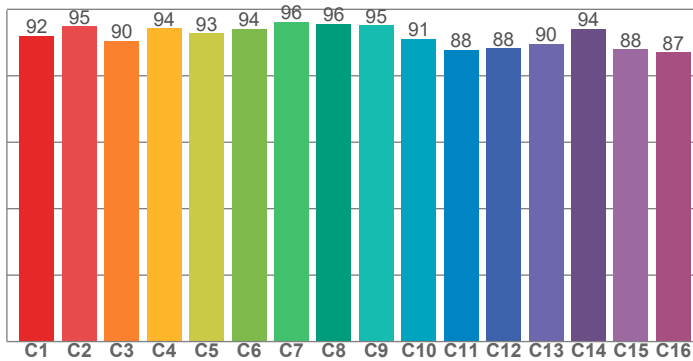
Spectra



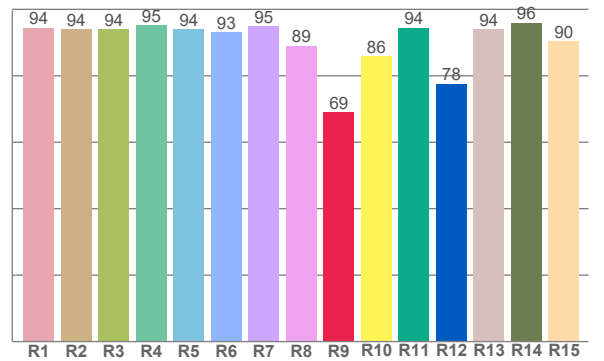
COLOR DETAILS



TM30: 91,9



CRI: 93,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,5	94,0	94,0	95,2	94,0	93,2	94,9	89,0	68,9	85,8	94,5	77,6	94,1	96,0	90,3

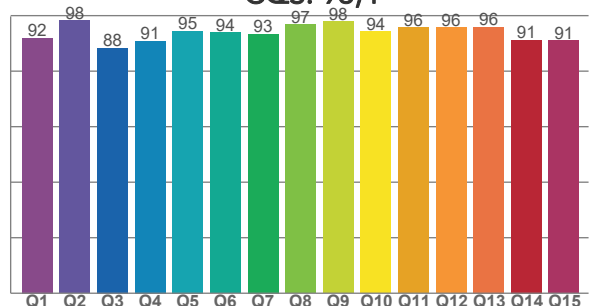
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,0	94,9	90,5	94,3	92,7	94,2	96,2	95,6	95,2	91,1	87,8	88,3	89,7	94,2	87,9	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,9	98,2	88,4	90,8	94,5	93,8	93,5	96,8	97,9	94,3	95,7	95,6	96,0	91,2	91,0

CQS: 93,4



COLOR PARAMETERS

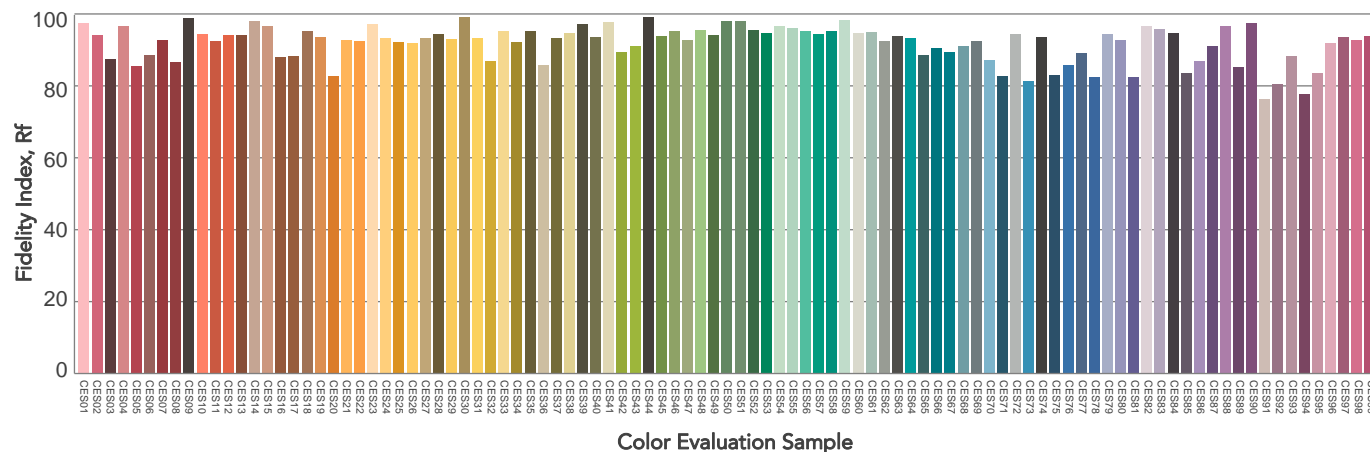
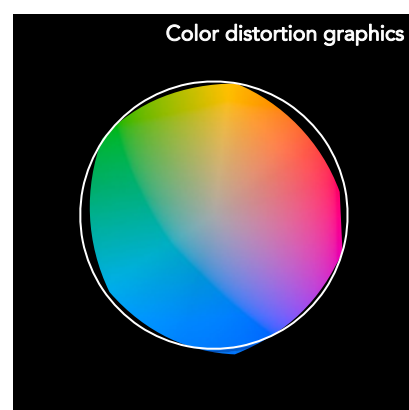
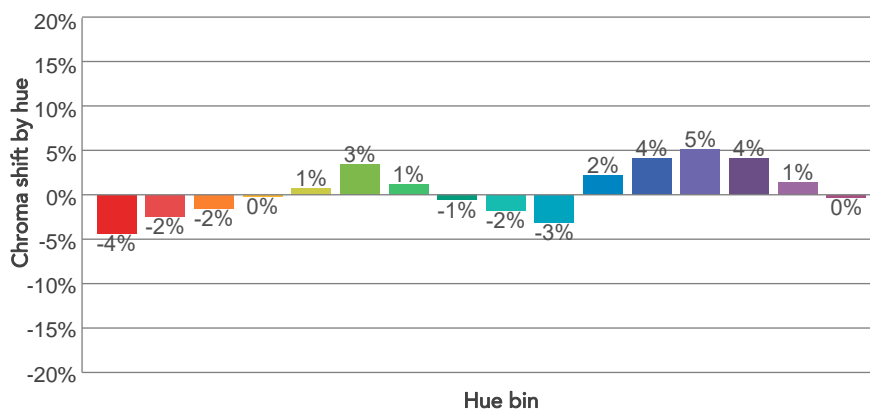
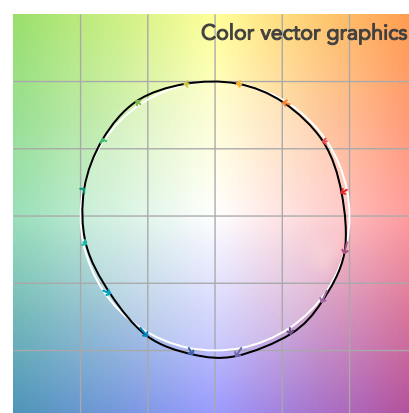
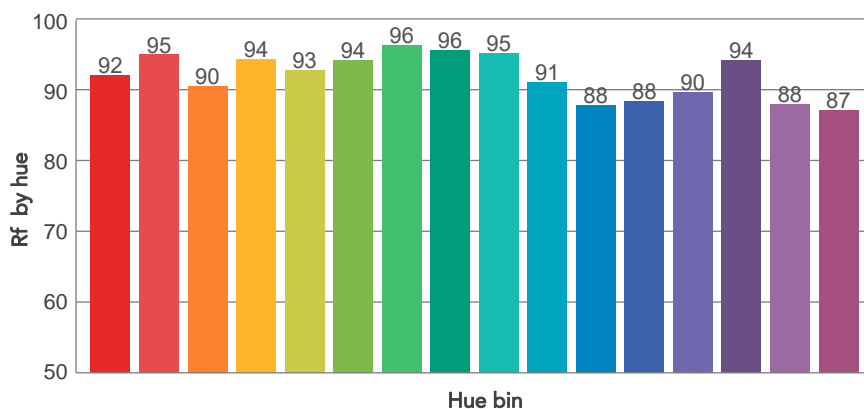
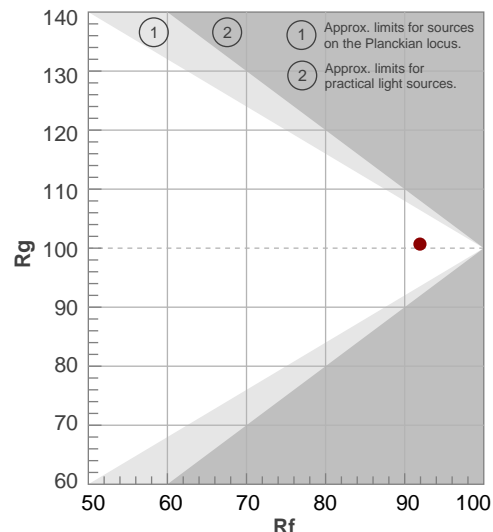
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4053 K	93,6	68,9	91,9	100,7	93,4	86	0,380	0,380	0,0017

TM30 DETAILS

Rf 91,9
Fidelity index Rf

Rg 100,7
Gammut index

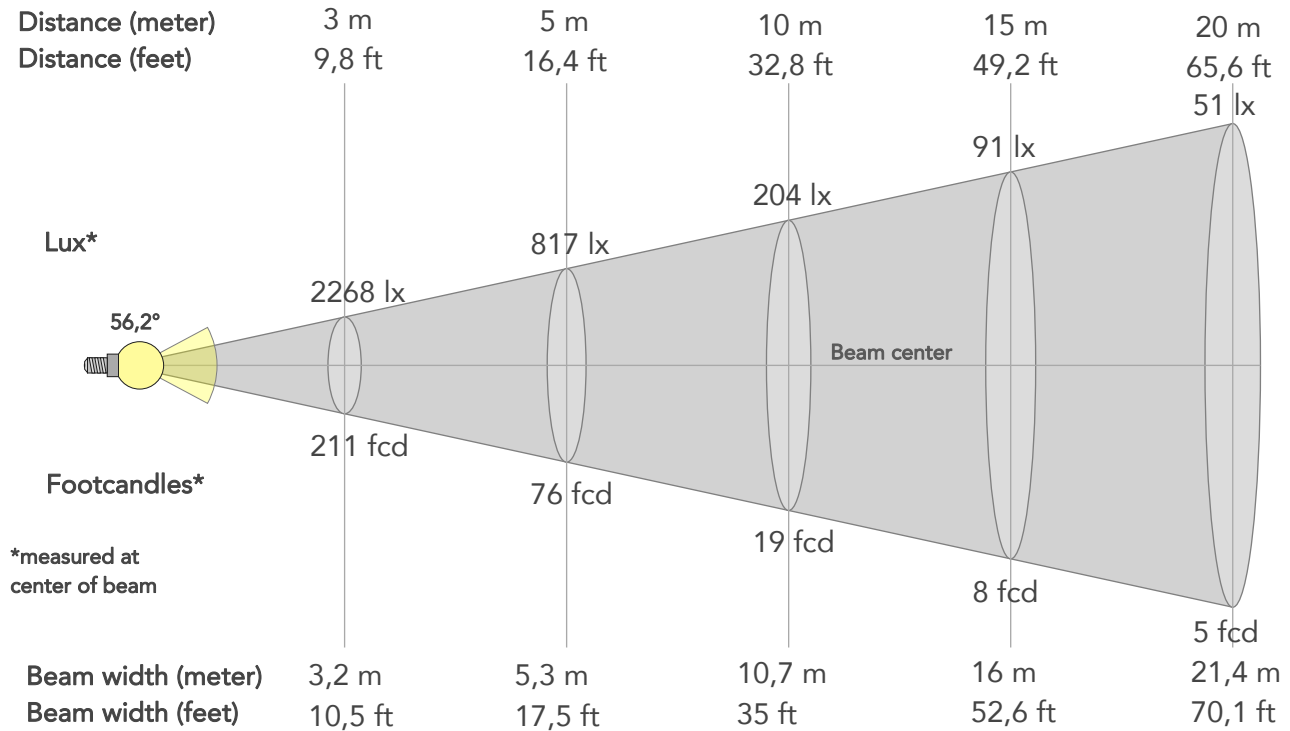
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-4%	-1%
2	95	-2%	1%
3	90	-2%	5%
4	94	0%	3%
5	93	1%	3%
6	94	3%	1%
7	96	1%	-1%
8	96	-1%	-1%
9	95	-2%	2%
10	91	-3%	4%
11	88	2%	7%
12	88	4%	3%
13	90	5%	-5%
14	94	4%	-2%
15	88	1%	-9%
16	87	0%	-8%



BEAM DETAILS



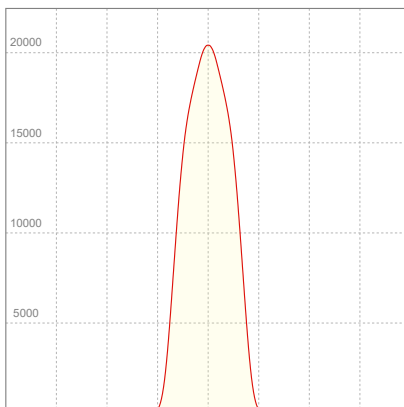
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,2°	76,9°	85,6°	99,7%	99,2%



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	20414lx	5104lx	2268lx	1276lx	817lx	363lx	204lx	91lx	51lx	33lx	23lx	13lx	8lx
Footcand.	1897fcd	474fcd	211fcd	119fcd	76fcd	34fcd	19fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,3m	8m	10,7m	16m	21,4m	26,7m	32,1m	42,7m	53,4m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,5ft	26,3ft	35ft	52,6ft	70,1ft	87,6ft	105,1ft	140,2ft	175,2ft

LINEAR DISTRIBUTION DIAGRAM

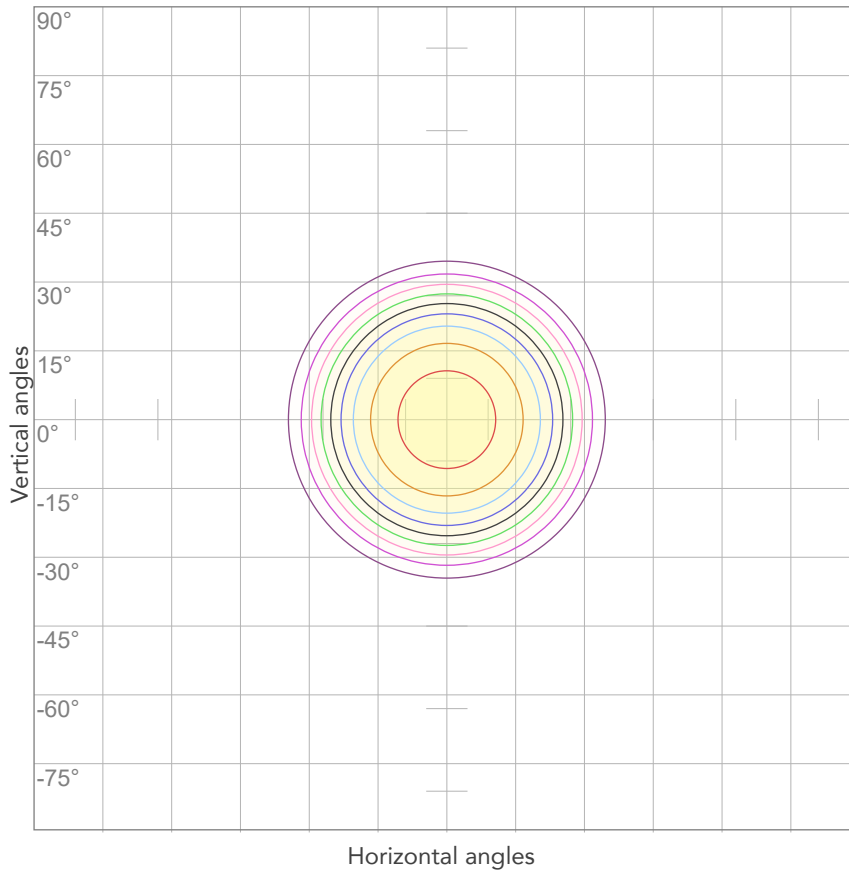


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	2,21A	499,9W	1,0	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



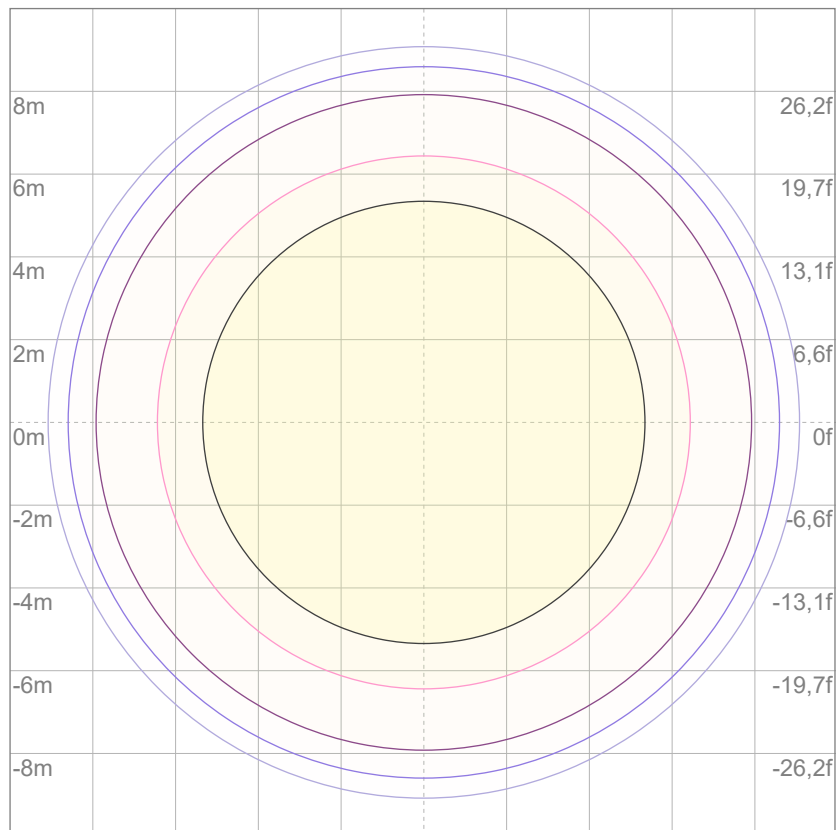
10%	2041 cd
20%	4083 cd
30%	6124 cd
40%	8166 cd
50%	10207 cd
60%	12249 cd
70%	14290 cd
80%	16332 cd

Conditions:

Number of c-planes: 2

Candela at center: 20414 cd

ISO LUX DIAGRAM



3%	6,12 lx
5%	10,2 lx
10%	20,4 lx
30%	61,2 lx
50%	102 lx

Conditions:

Number of c-planes: 2

Lux at center: 204 lx

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



Total lumen output:

13043 lm

Peak candela output:

68880 cd

Light quality:

CRI: 93,7

Color temperature:

4085 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

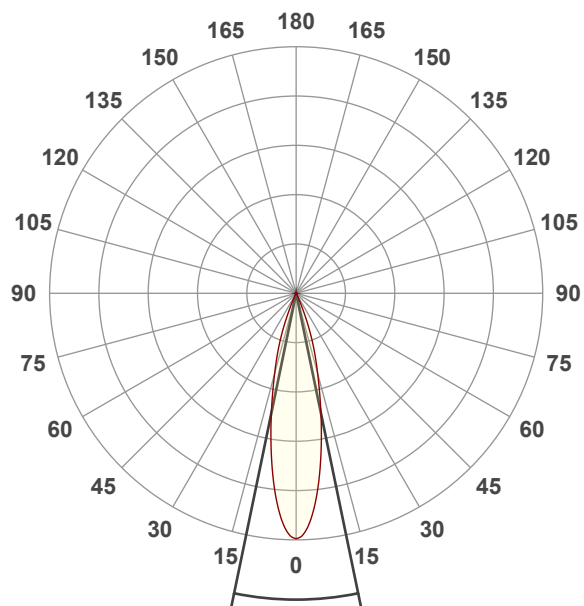
4000K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 13:17:22

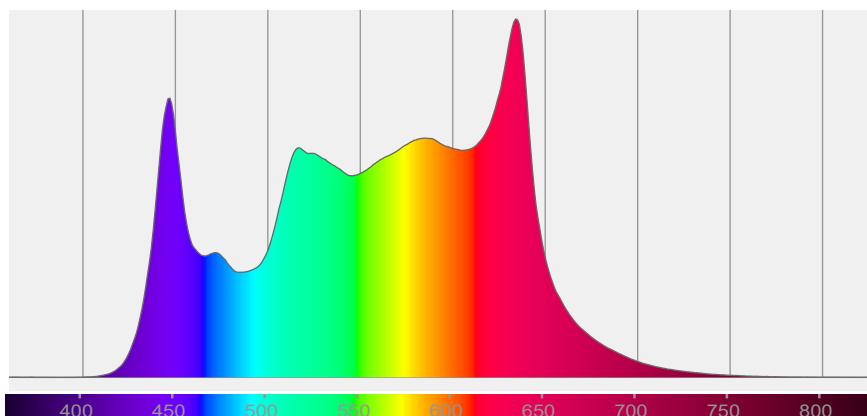


Beam angle 50%: 23,4°

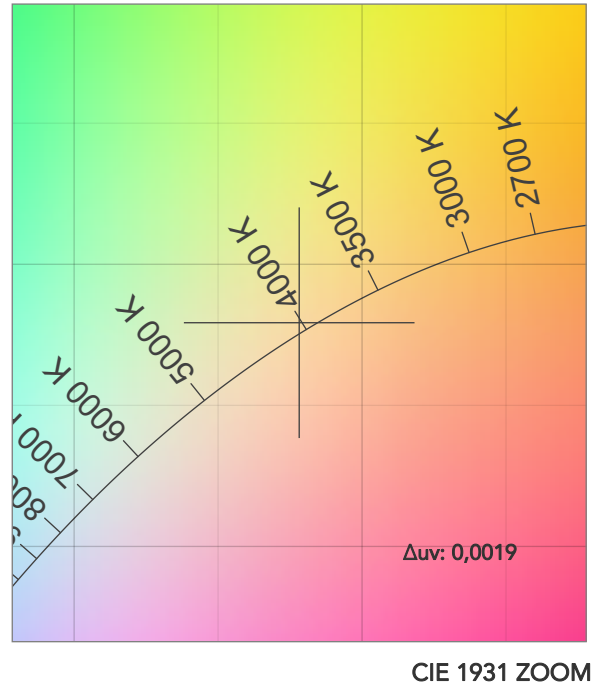
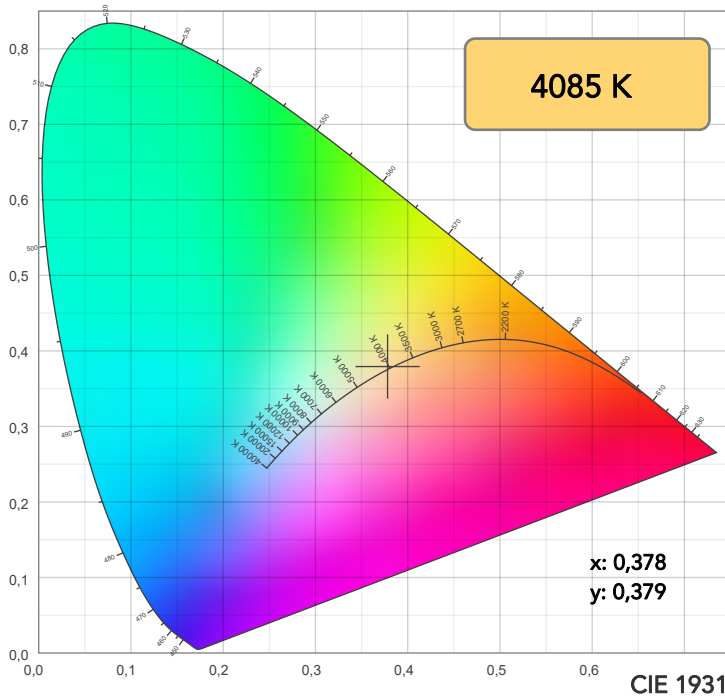
Field angle 10%: 43,2°

Cut off angle 2.5%: 49,8°

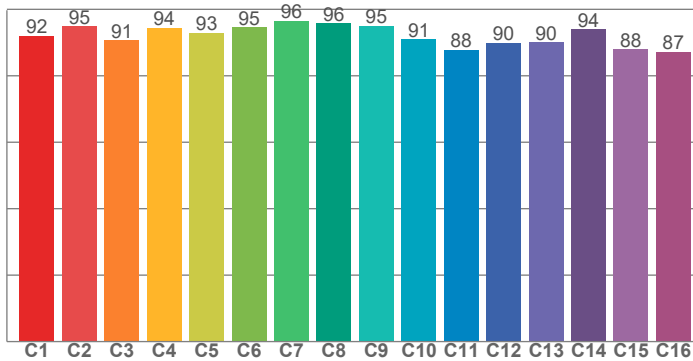
Spectra



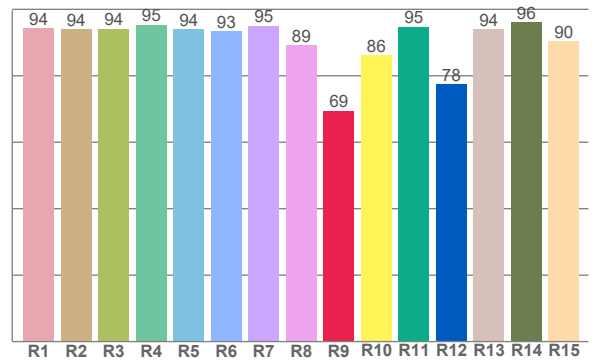
COLOR DETAILS



TM30: 92,0



CRI: 93,7 (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
94,4	94,1	94,2	95,4	94,0	93,3	95,1	89,2	69,5	86,1	94,8	77,5	94,1	96,1	90,4

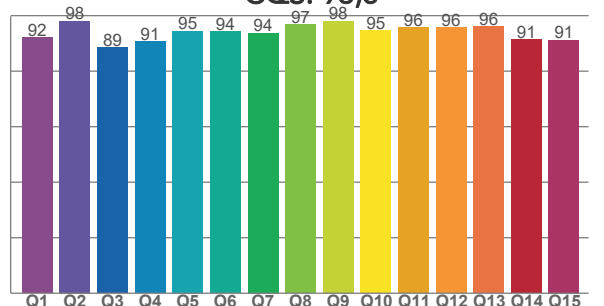
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,0	94,9	90,7	94,4	92,9	94,6	96,5	95,7	95,1	91,0	87,8	90,0	90,1	94,0	88,0	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,1	98,1	88,6	90,7	94,5	94,2	93,8	96,8	98,0	94,6	95,8	95,7	96,0	91,4	91,2

CQS: 93,5



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4085 K	93,7	69,5	92,0	100,5	93,5	87	0,378	0,379	0,0019

TM30 DETAILS

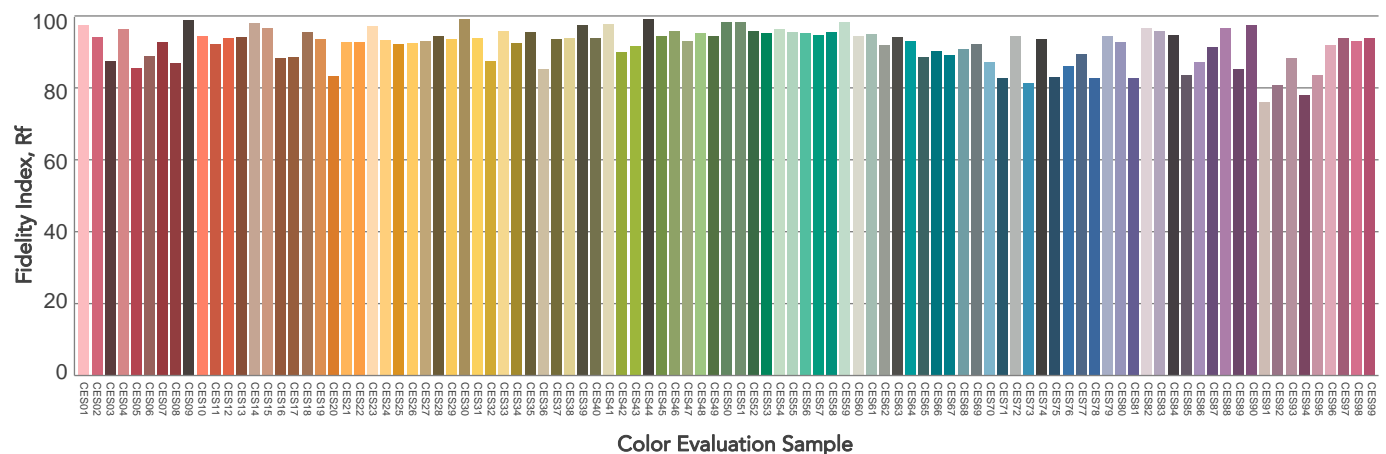
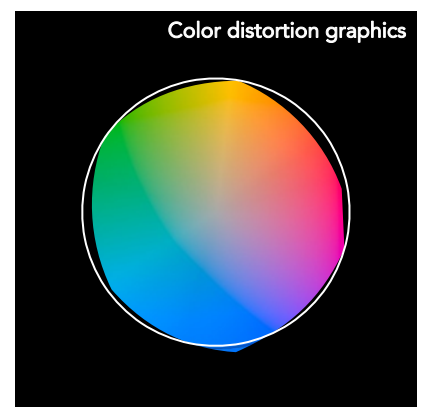
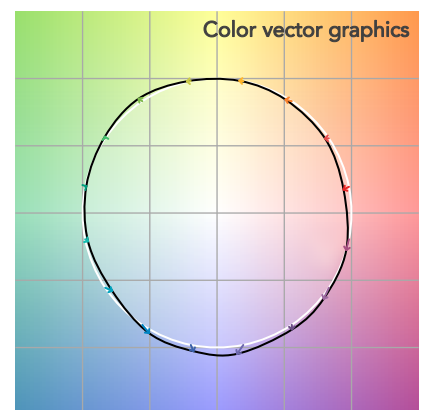
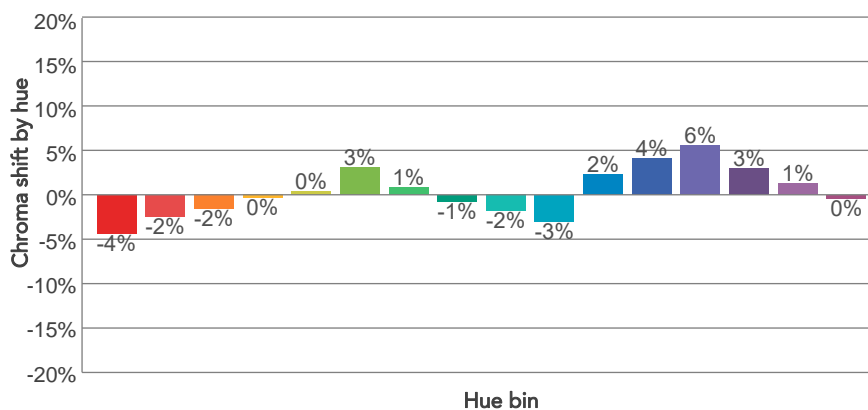
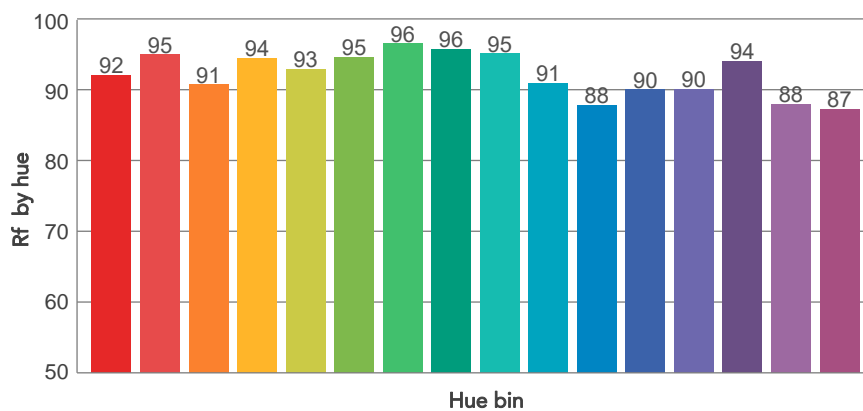
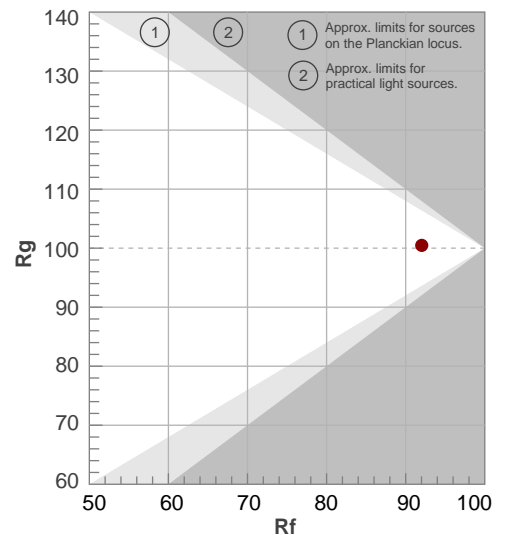
Rf 92,0

Fidelity index R_f

Rg 100,5

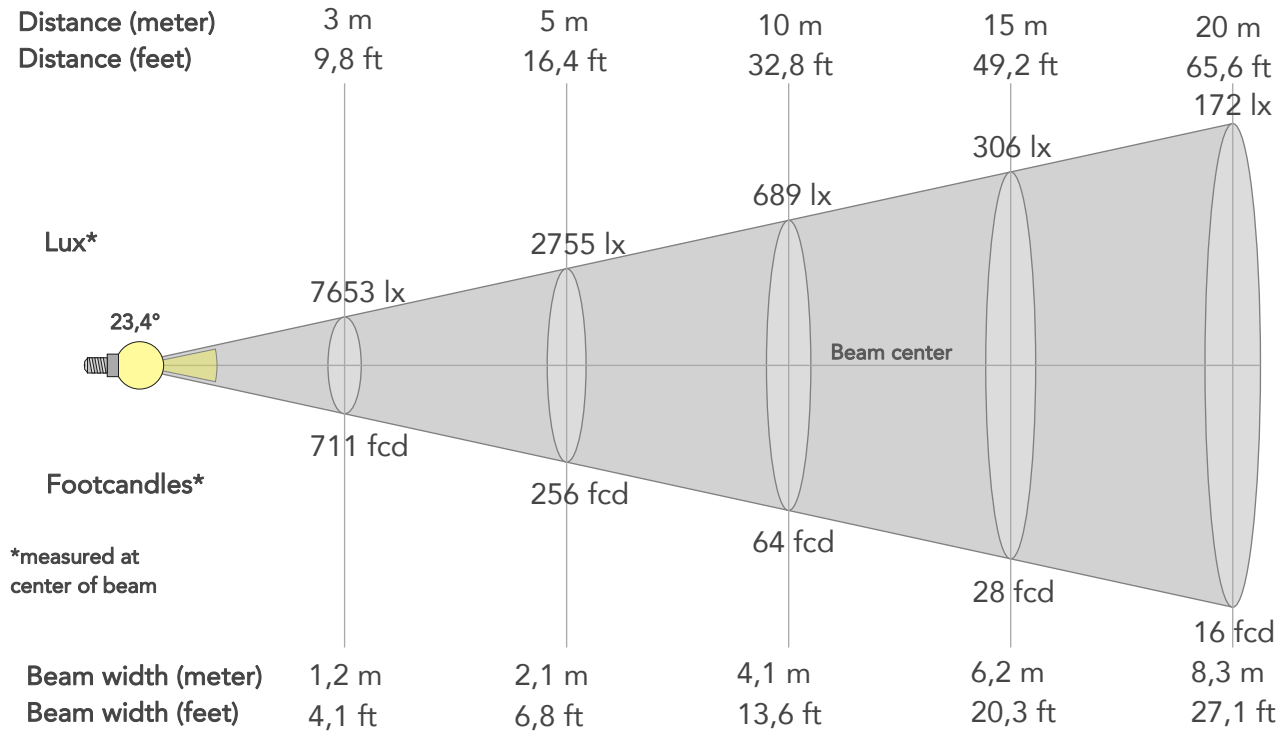
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	92	-4%	-1%
2	95	-2%	1%
3	91	-2%	5%
4	94	0%	3%
5	93	0%	3%
6	95	3%	1%
7	96	1%	-1%
8	96	-1%	-1%
9	95	-2%	2%
10	91	-3%	5%
11	88	2%	7%
12	90	4%	3%
13	90	6%	-6%
14	94	3%	-2%
15	88	1%	-9%
16	87	0%	-8%



BEAM DETAILS

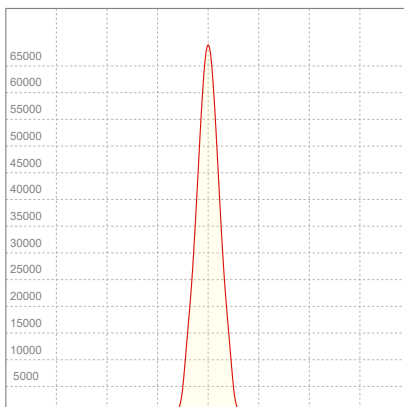
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	43,2°	49,8°	99,8%	99,1%



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	68880lx	17220lx	7653lx	4305lx	2755lx	1225lx	689lx	306lx	172lx	110lx	77lx	43lx	28lx
Footcand.	6399fcd	1600fcd	711fcd	400fcd	256fcd	114fcd	64fcd	28fcd	16fcd	10fcd	7fcd	4fcd	3fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,3m	12,4m	16,5m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,3ft	27,1ft	33,9ft	40,7ft	54,3ft	67,8ft

LINEAR DISTRIBUTION DIAGRAM

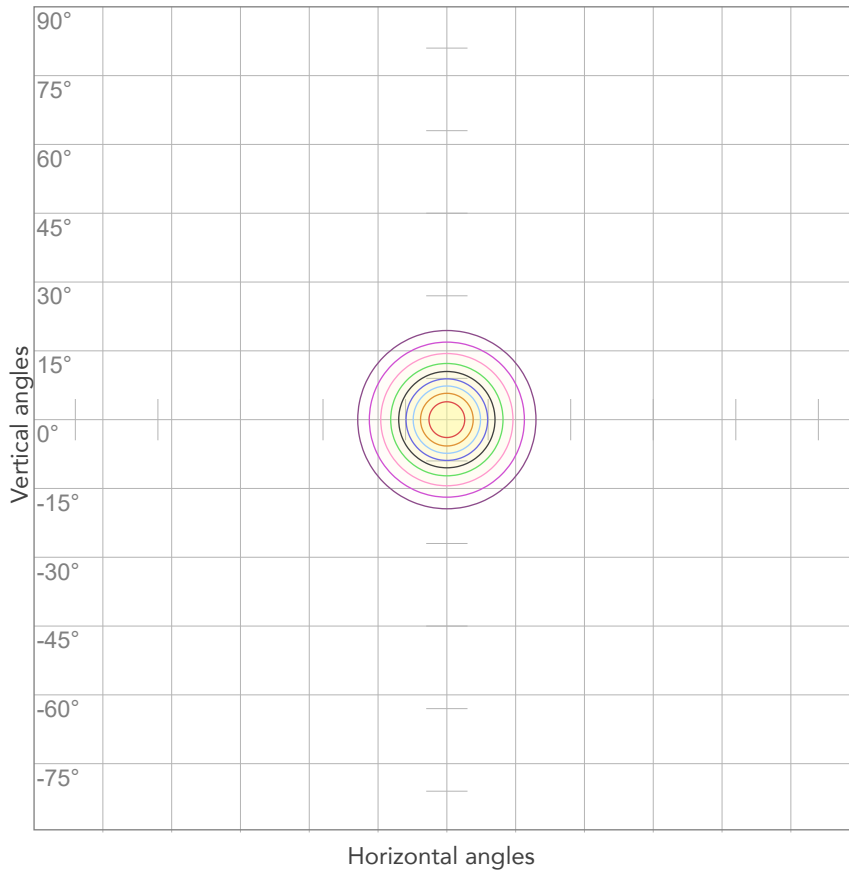


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	2,23A	503,7W	1,0	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



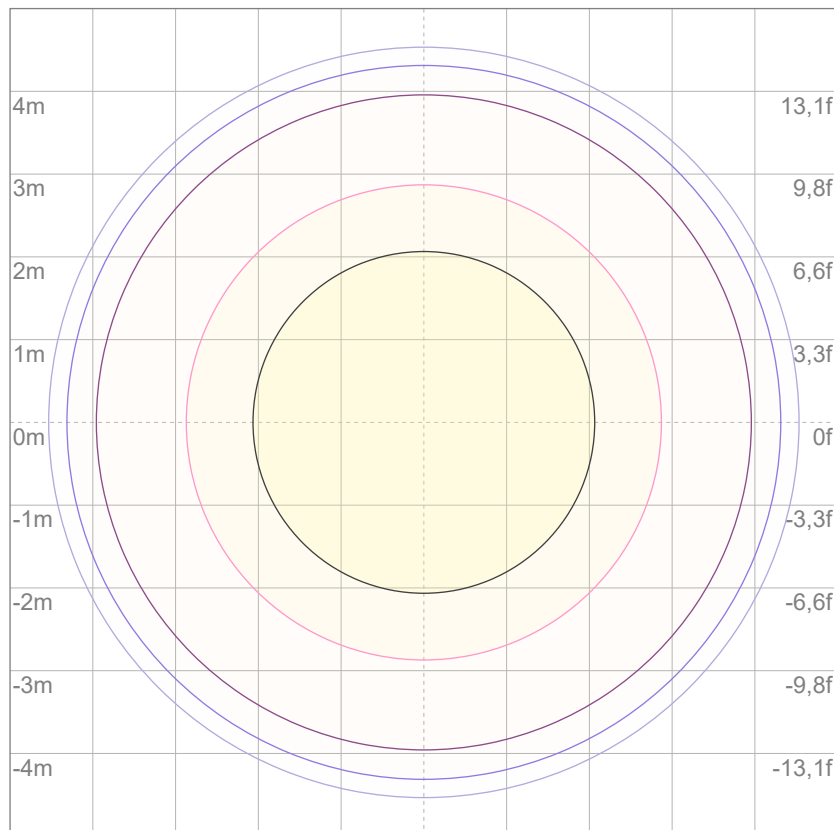
10%	6888 cd
20%	13776 cd
30%	20664 cd
40%	27552 cd
50%	34440 cd
60%	41328 cd
70%	48216 cd
80%	55104 cd

Conditions:

Number of c-planes: 2

Candela at center: 68880 cd

ISO LUX DIAGRAM



3%	20,7 lx
5%	34,4 lx
10%	68,9 lx
30%	207 lx
50%	344 lx

Conditions:

Number of c-planes: 2

Lux at center: 689 lx

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



Total lumen output:

7627 lm

Peak candela output:

198806 cd

Light quality:

CRI: 94,2

Color temperature:

4071 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

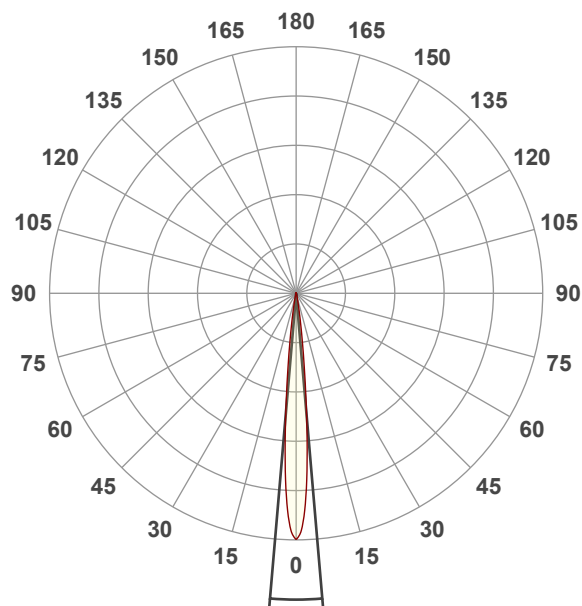
4000K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 12:50:47

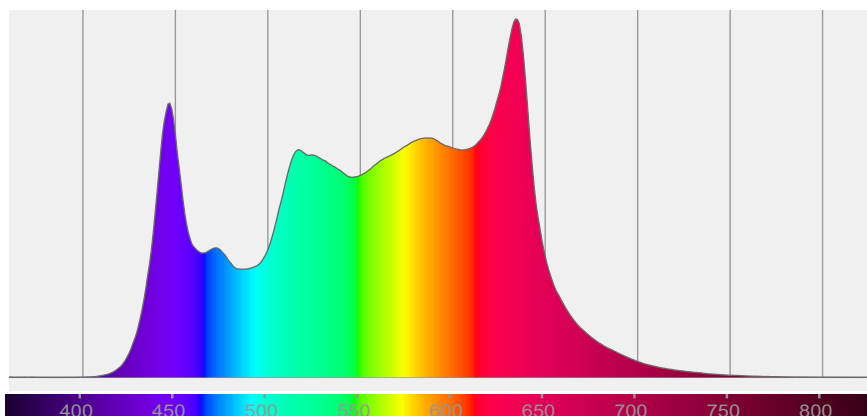


Beam angle 50%: 9,8°

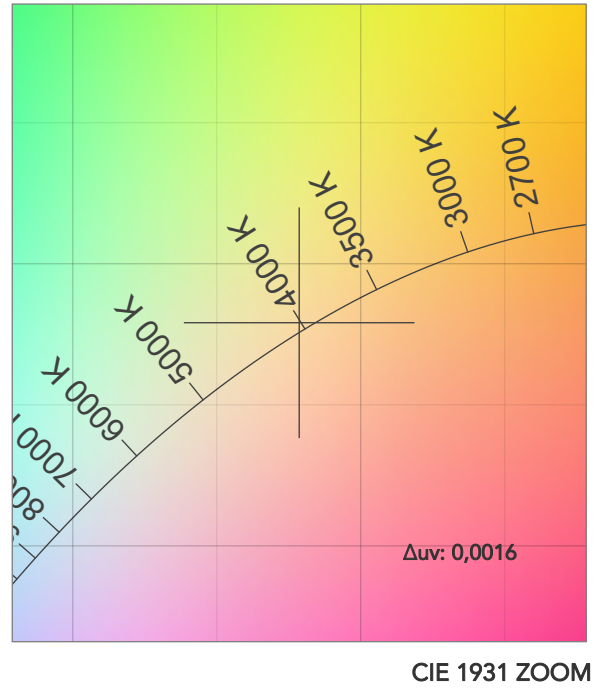
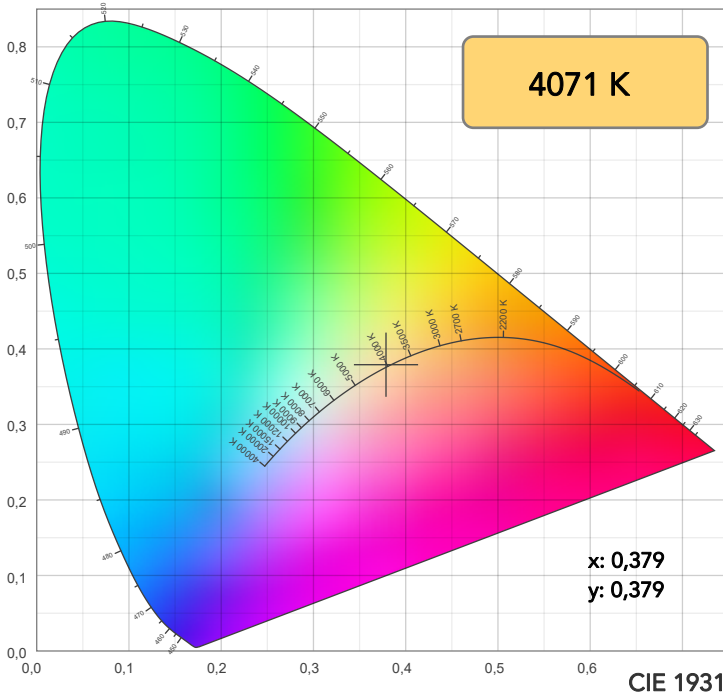
Field angle 10%: 18°

Cut off angle 2.5%: 24,9°

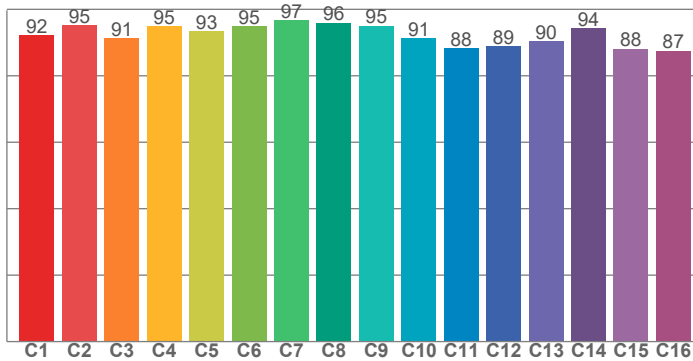
Spectra



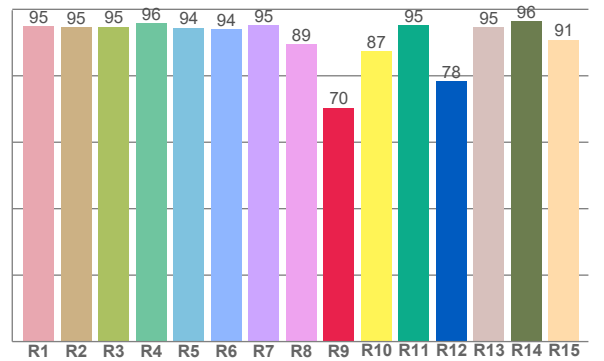
COLOR DETAILS



TM30: 92,3



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
94,9	94,7	94,8	95,9	94,5	94,0	95,3	89,4	70,4	87,4	95,2	78,5	94,7	96,4	90,9

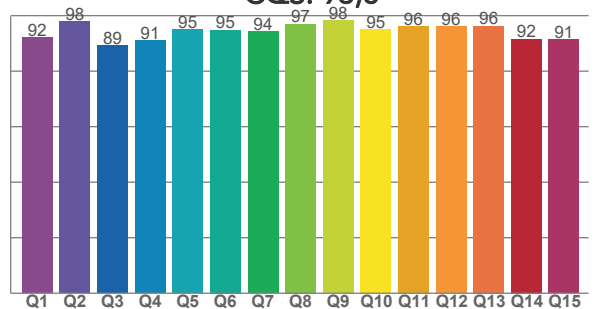
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,2	95,2	91,3	94,8	93,3	95,0	96,7	95,9	95,1	91,2	88,2	88,9	90,4	94,4	88,1	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,1	97,9	89,2	91,1	94,9	94,8	94,3	97,0	98,3	95,0	96,2	96,0	96,2	91,7	91,4

CQS: 93,8



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
4071 K	94,2	70,4	92,3	100,3	93,8	87	0,379	0,379	0,0016

TM30 DETAILS

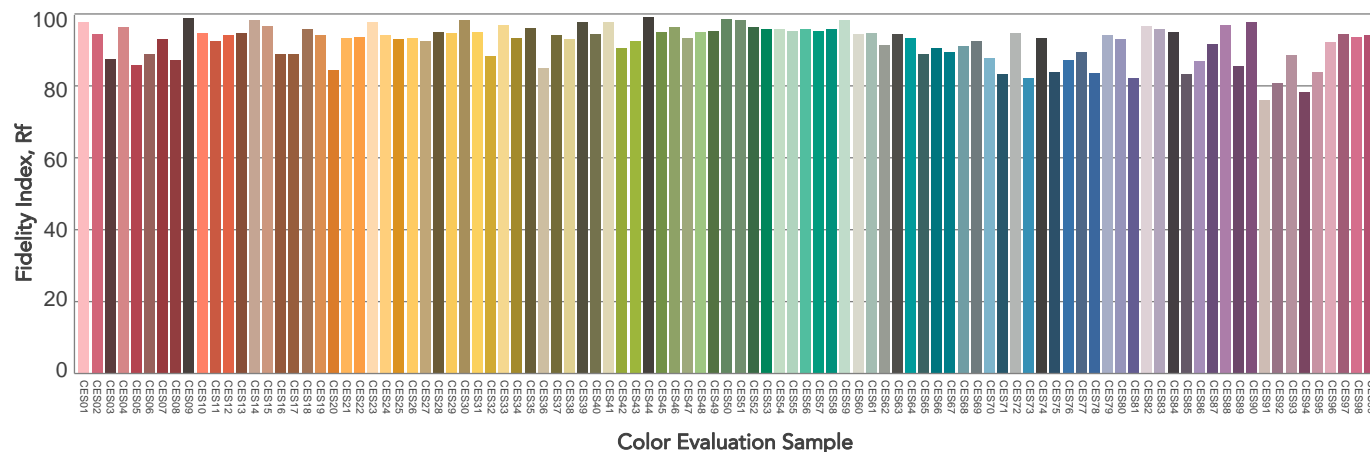
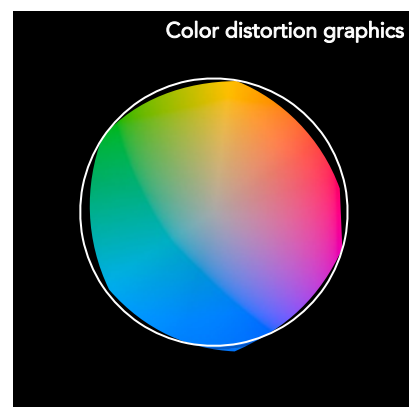
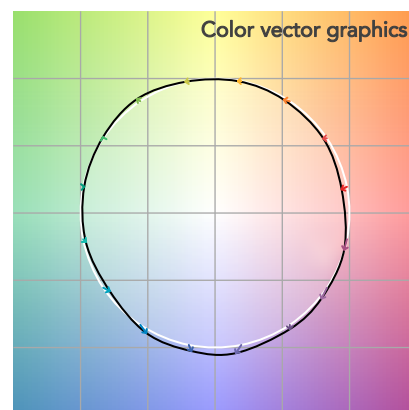
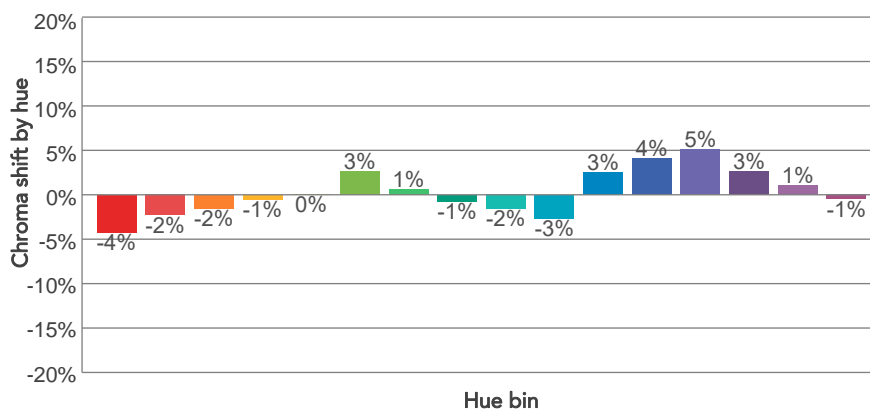
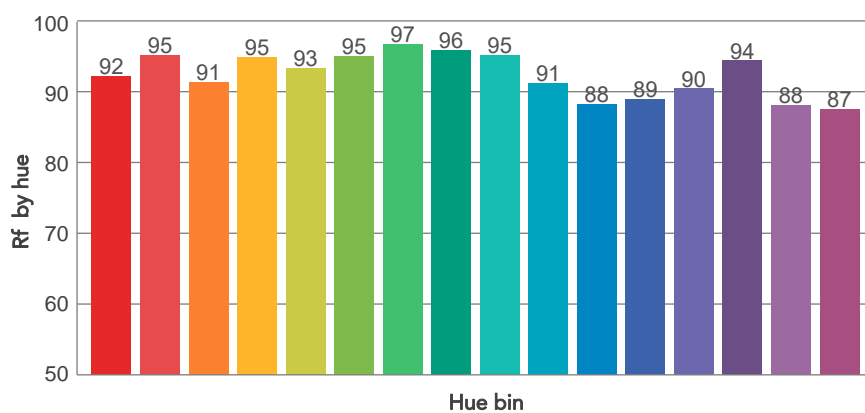
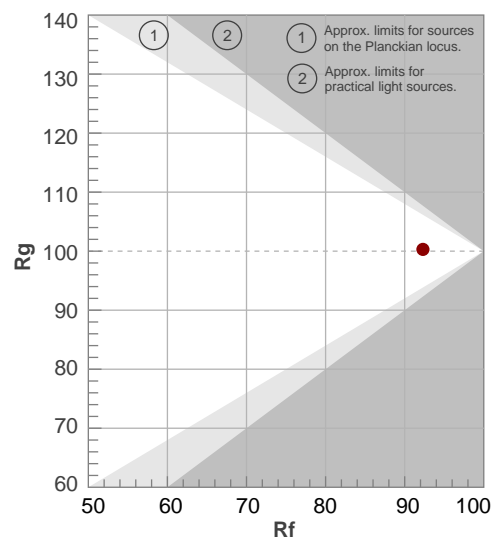
Rf 92,3

Fidelity index R_f

Rg 100,3

Gammut index

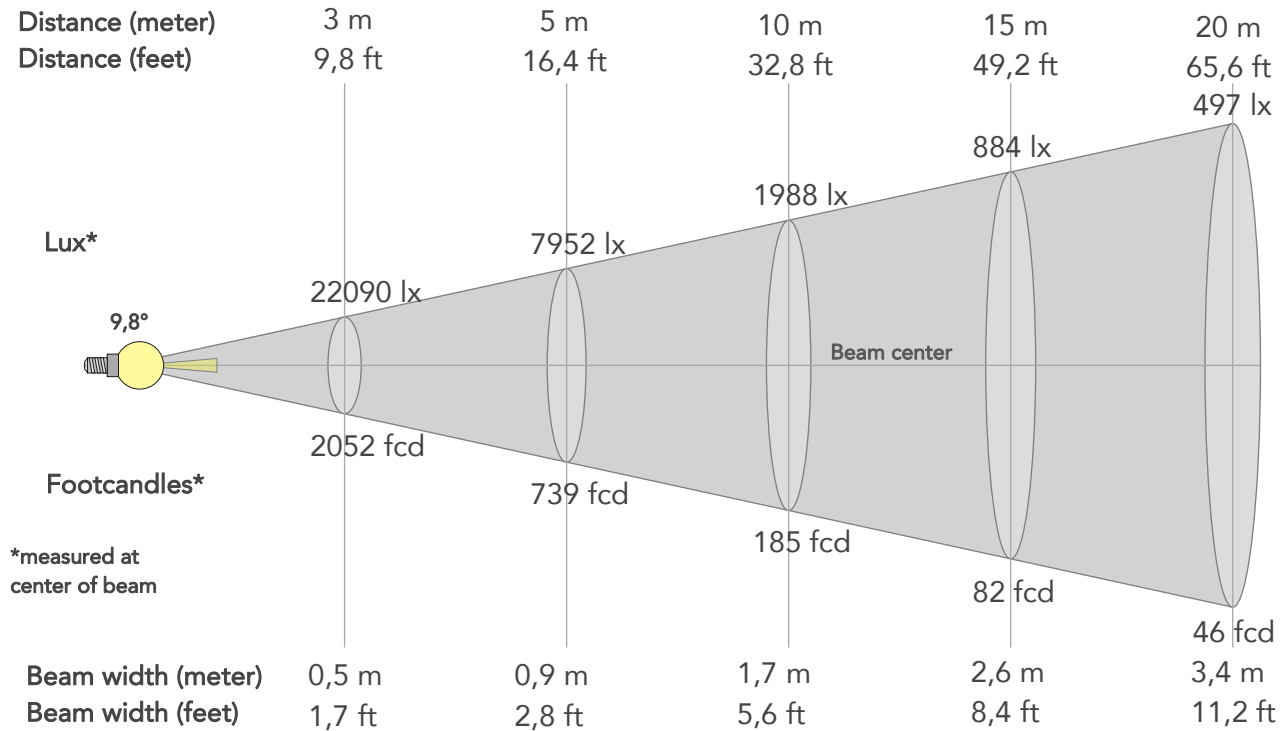
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	92	-4%	-1%
2	95	-2%	1%
3	91	-2%	4%
4	95	-1%	2%
5	93	0%	3%
6	95	3%	1%
7	97	1%	-1%
8	96	-1%	0%
9	95	-2%	2%
10	91	-3%	5%
11	88	3%	7%
12	89	4%	3%
13	90	5%	-5%
14	94	3%	-2%
15	88	1%	-9%
16	87	-1%	-8%



BEAM DETAILS



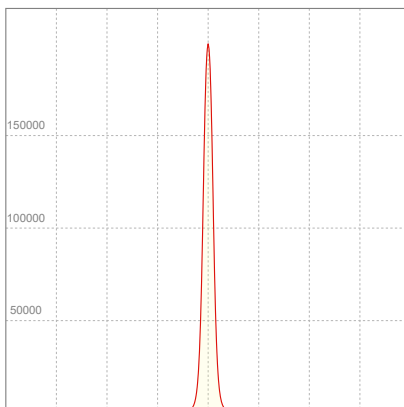
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	24,9°	99,8%	98,8%



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	198806lx	49701lx	22090lx	12425lx	7952lx	3534lx	1988lx	884lx	497lx	318lx	221lx	124lx	80lx
Footcand.	18470fcd	4617fcd	2052fcd	1154fcd	739fcd	328fcd	185fcd	82fcd	46fcd	30fcd	21fcd	12fcd	7fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,2ft	14,1ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

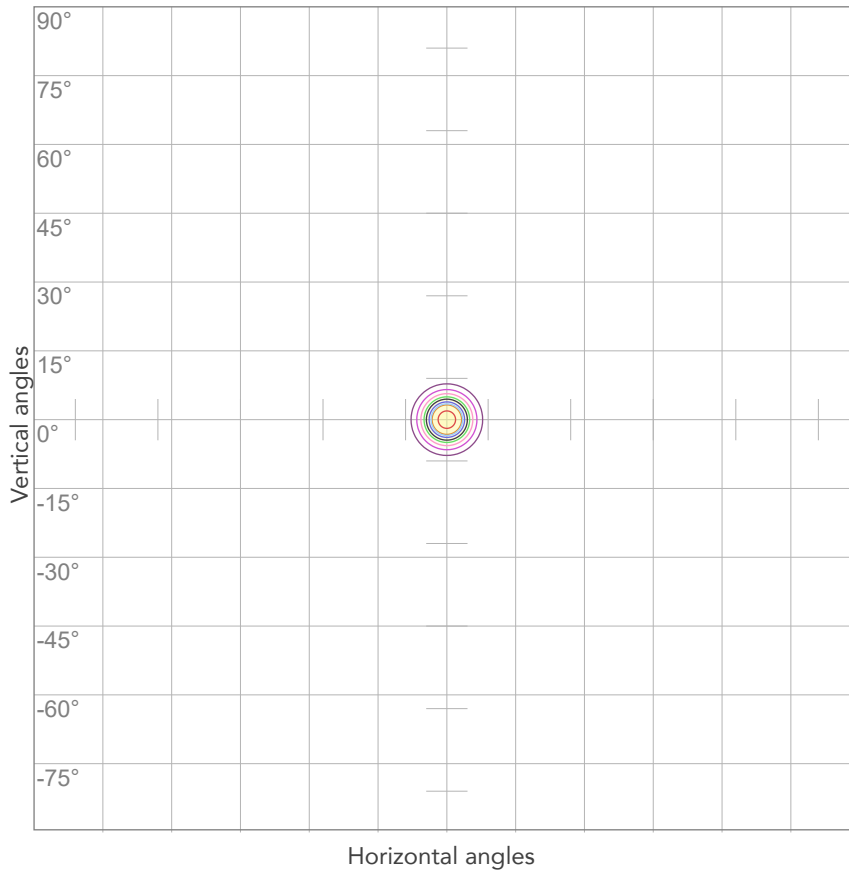


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	2,23A	499,9W	1,0	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



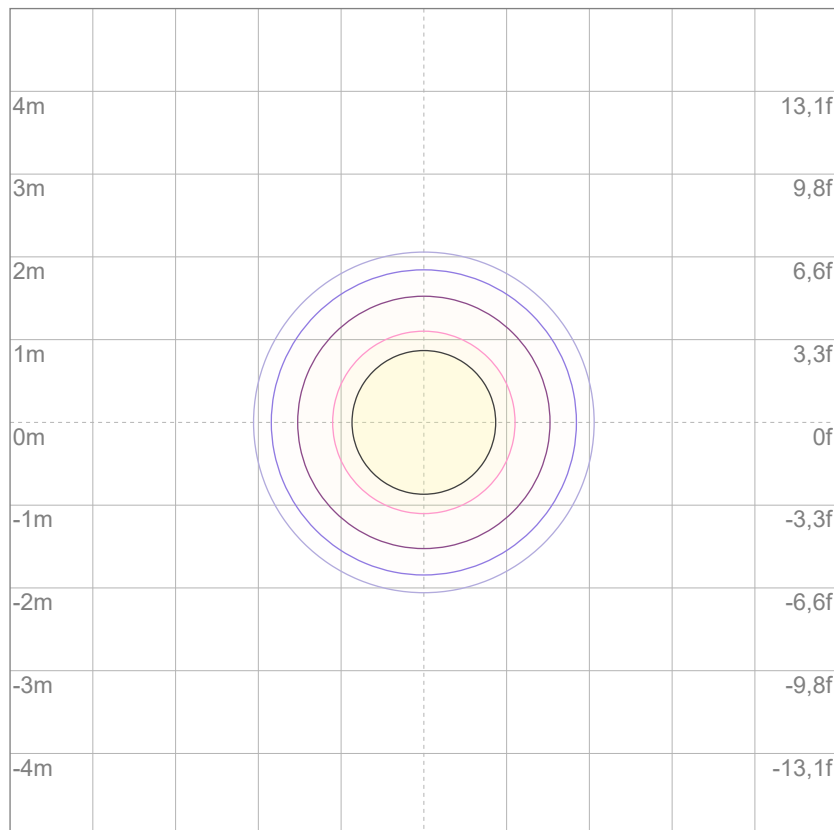
10%	19881 cd
20%	39761 cd
30%	59642 cd
40%	79522 cd
50%	99403 cd
60%	119283 cd
70%	139164 cd
80%	159044 cd

Conditions:

Number of c-planes: 2

Candela at center: 198806 cd

ISO LUX DIAGRAM



3%	59,6 lx
5%	99,4 lx
10%	199 lx
30%	596 lx
50%	994 lx

Conditions:

Number of c-planes: 2

Lux at center: 1988 lx

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



Total lumen output:

13135 lm

Peak candela output:

17073 cd

Light quality:

CRI: 90,1

Color temperature:

5637 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

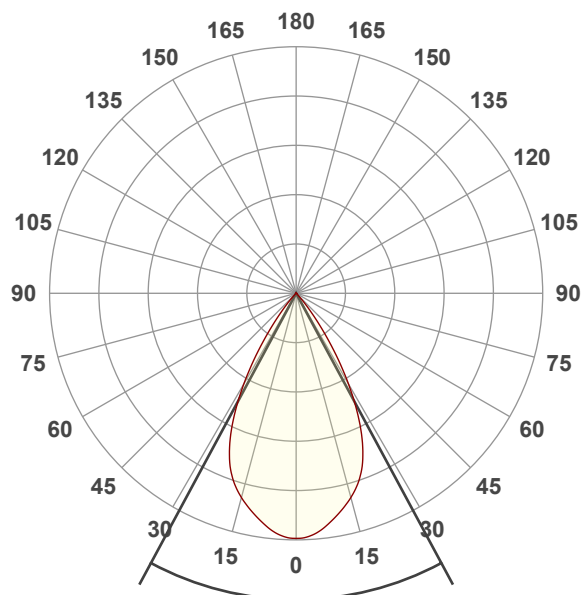
5600K - HB

Operator:

Salvatore Giglio

Date and time:

24/03/2025 17:02:22

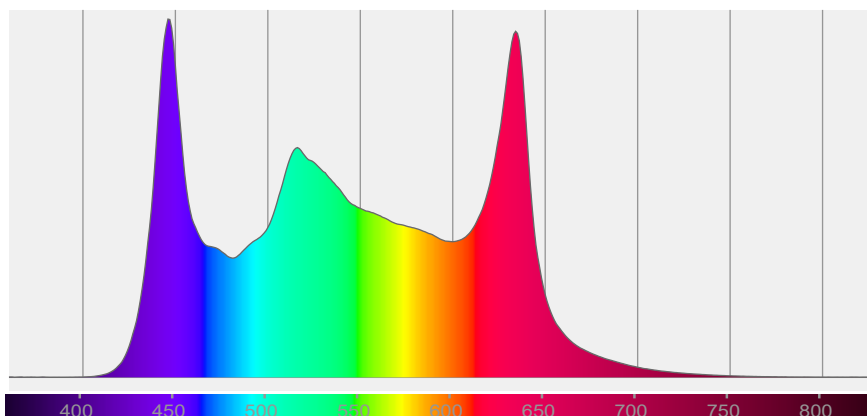


Beam angle 50%: 56,6°

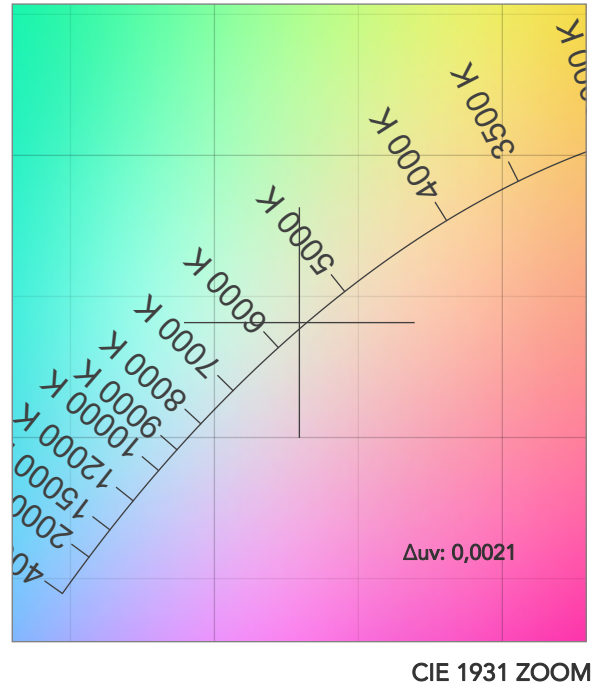
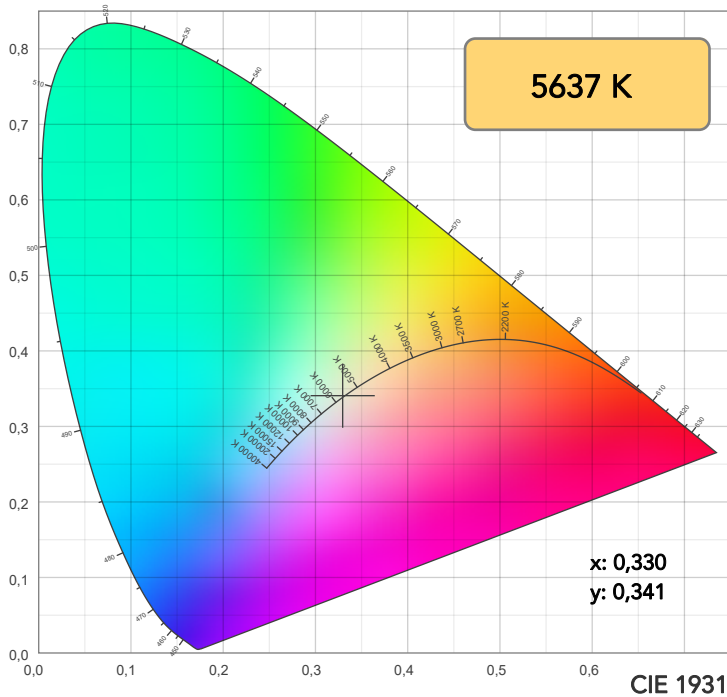
Field angle 10%: 77°

Cut off angle 2.5%: 85,6°

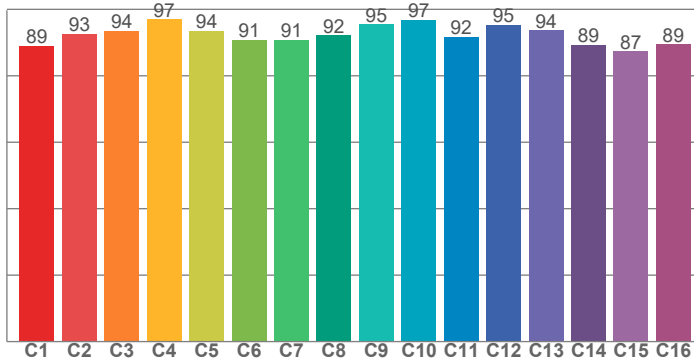
Spectra



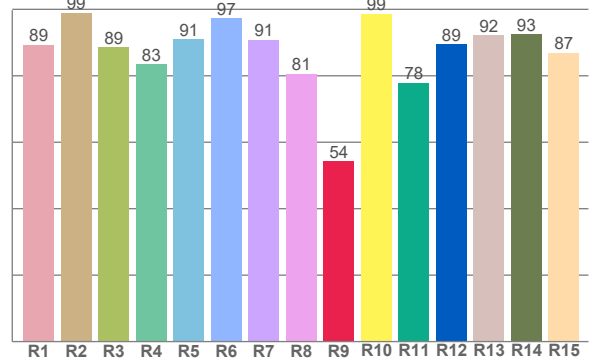
COLOR DETAILS



TM30: 92,5



CRI: 90,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,4	99,0	88,7	83,5	91,1	97,4	90,9	80,6	54,4	98,7	77,9	89,4	92,3	92,6	86,9

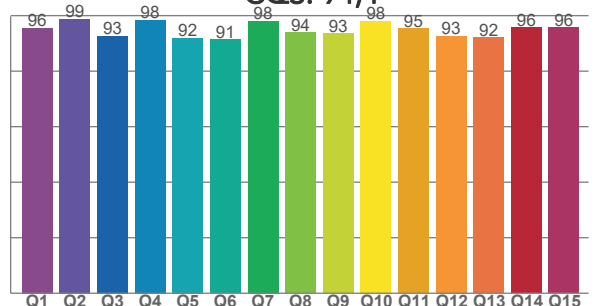
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	92,6	93,5	97,0	93,5	90,8	90,9	92,2	95,4	96,8	91,7	95,4	93,6	89,3	87,4	89,5

CQS Q values

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

CQS: 94,4



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
5637 K	90,1	54,4	92,5	107,0	94,4	93	0,330	0,341	0,0021

TM30 DETAILS

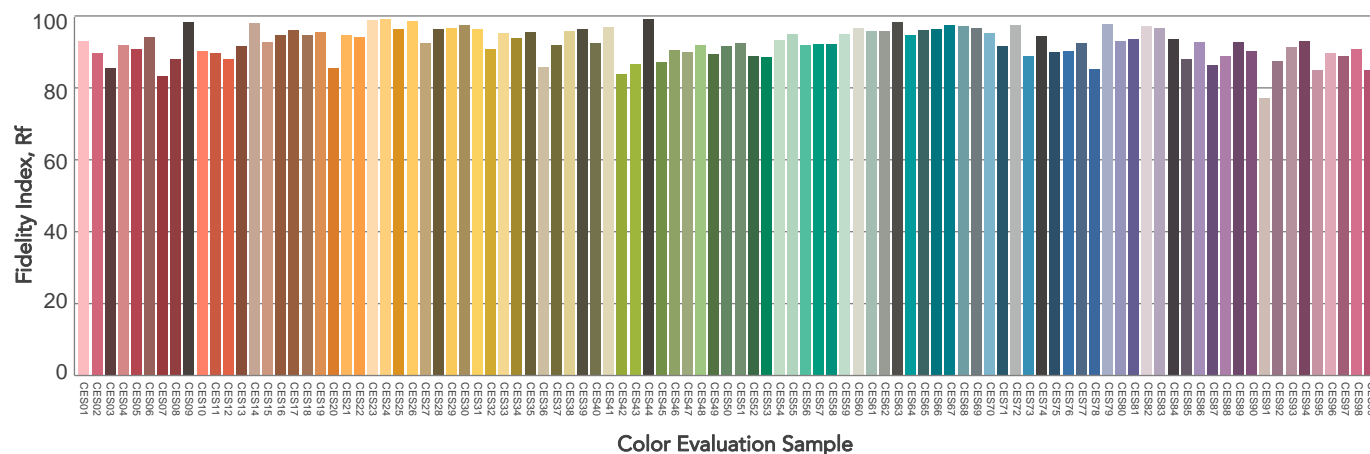
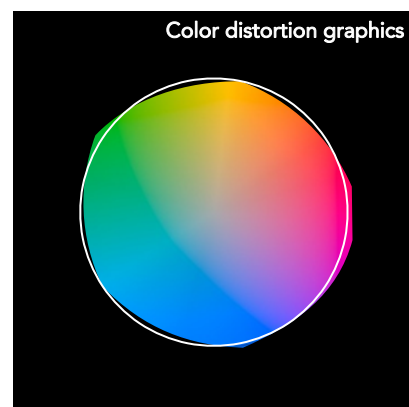
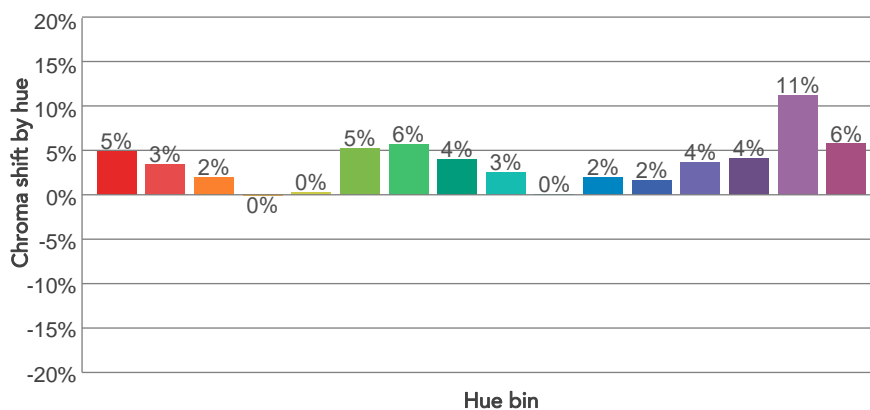
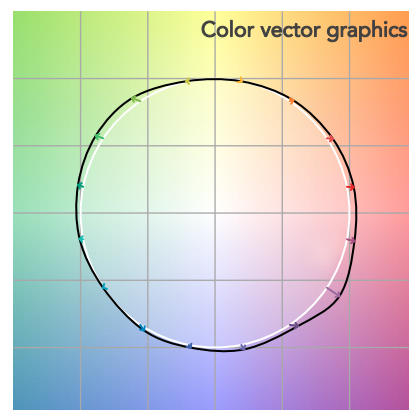
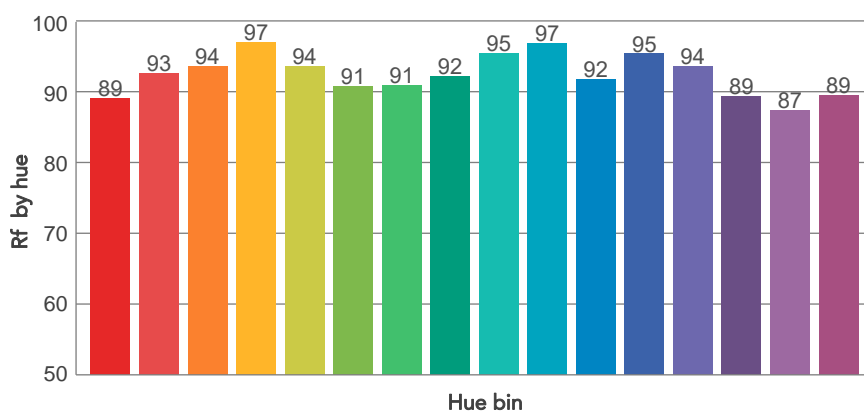
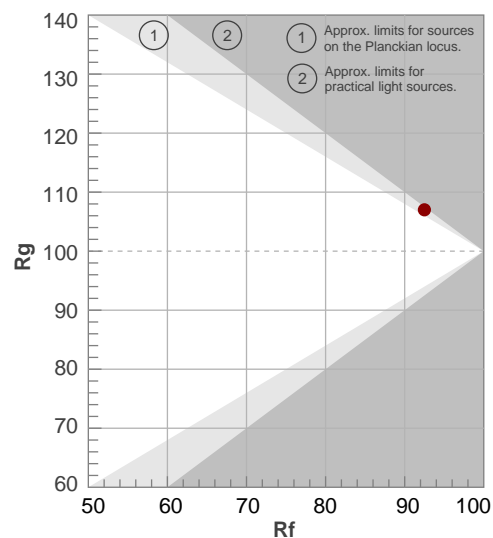
Rf 92,5

Fidelity index Rf

Rg 107,0

Gammut index

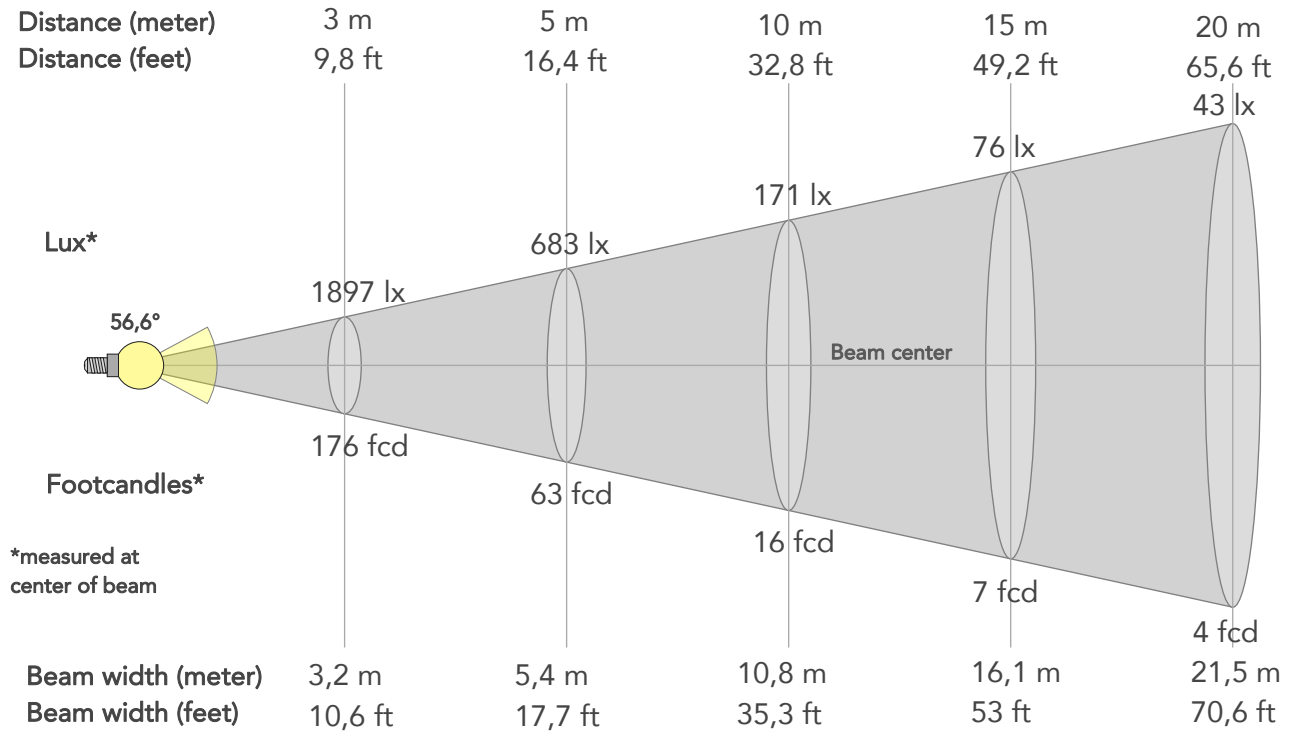
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-1%
2	93	3%	-3%
3	94	2%	-2%
4	97	0%	0%
5	94	0%	2%
6	91	5%	4%
7	91	6%	1%
8	92	4%	-1%
9	95	3%	-1%
10	97	0%	0%
11	92	2%	4%
12	95	2%	2%
13	94	4%	2%
14	89	4%	5%
15	87	11%	0%
16	89	6%	0%



BEAM DETAILS



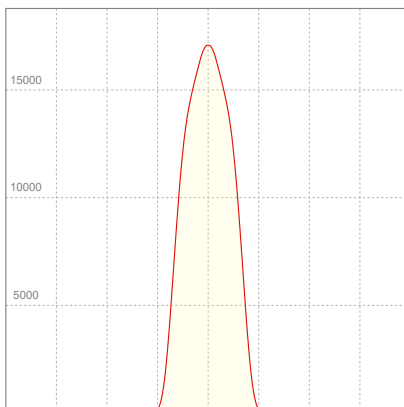
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,6°	77°	85,6°	99,7%	99,2%



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	17073lx	4268lx	1897lx	1067lx	683lx	304lx	171lx	76lx	43lx	27lx	19lx	11lx	7lx
Footcand.	1586fcd	397fcd	176fcd	99fcd	63fcd	28fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,1m	21,5m	26,9m	32,3m	43,1m	53,8m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,3ft	53ft	70,6ft	88,3ft	105,9ft	141,3ft	176,6ft

LINEAR DISTRIBUTION DIAGRAM

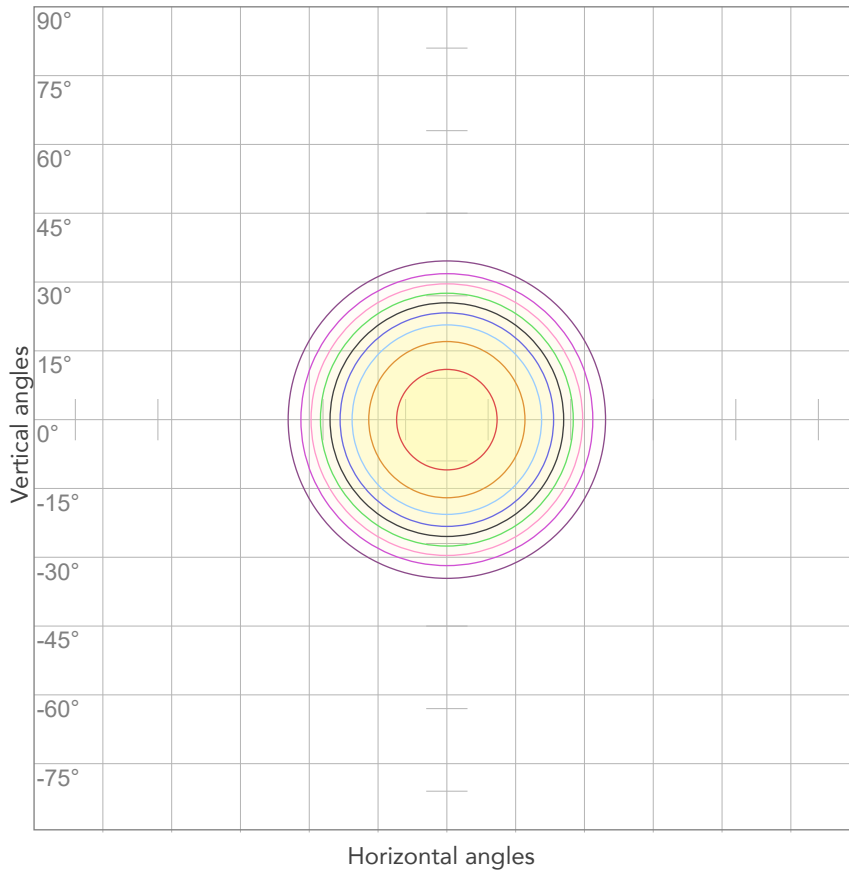


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	1,89A	429W	1,0	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



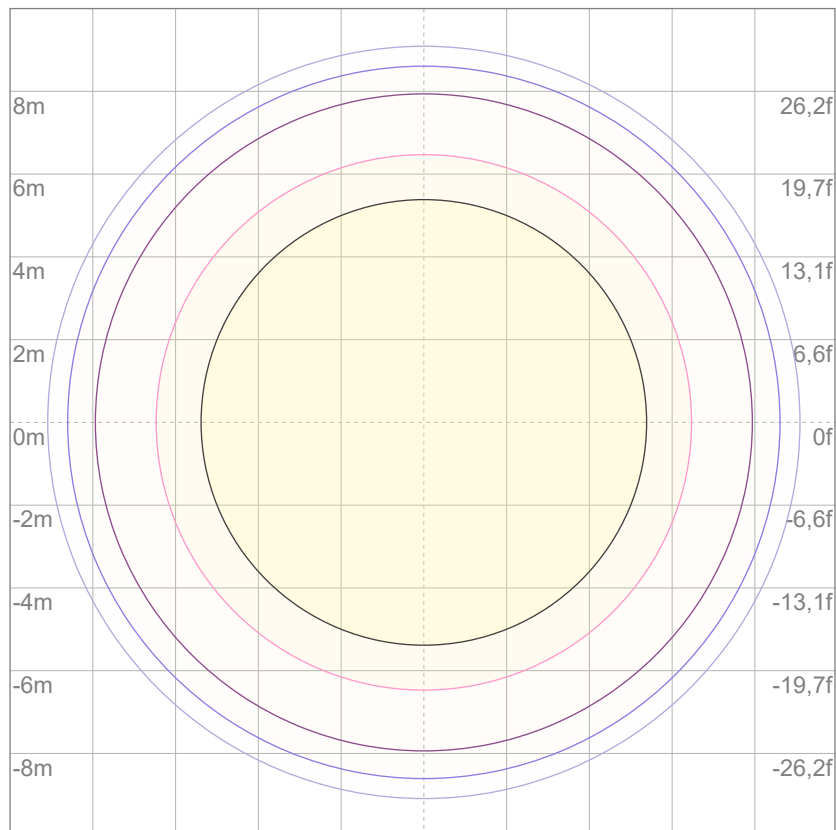
10%	1707 cd
20%	3415 cd
30%	5122 cd
40%	6829 cd
50%	8537 cd
60%	10244 cd
70%	11951 cd
80%	13659 cd

Conditions:

Number of c-planes: 2

Candela at center: 17073 cd

ISO LUX DIAGRAM



3%	5,12 lx
5%	8,54 lx
10%	17,1 lx
30%	51,2 lx
50%	85,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 171 lx

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



Total lumen output:

11349 lm

Peak candela output:

59610 cd

Light quality:

CRI: 92,3

Color temperature:

5536 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

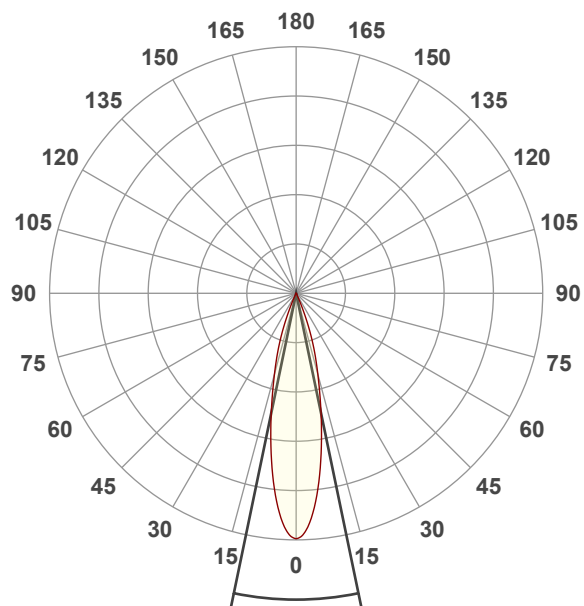
5600K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 13:21:55

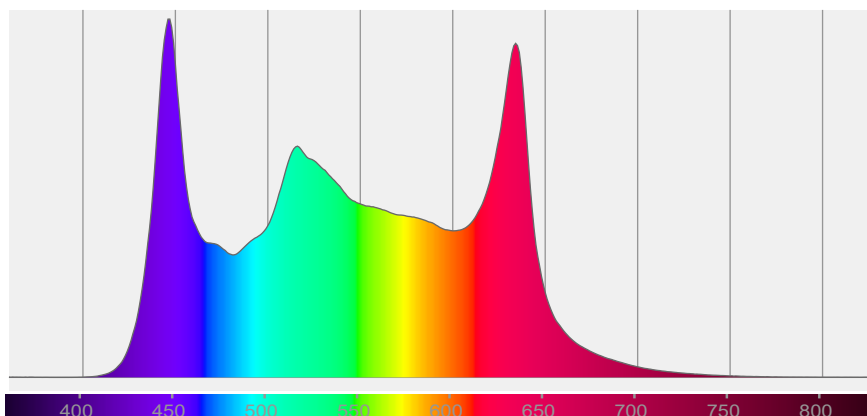


Beam angle 50%: 23,5°

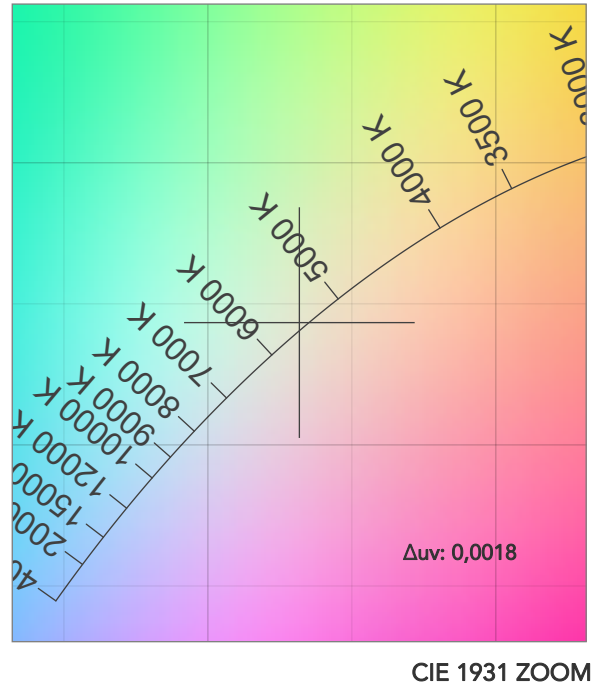
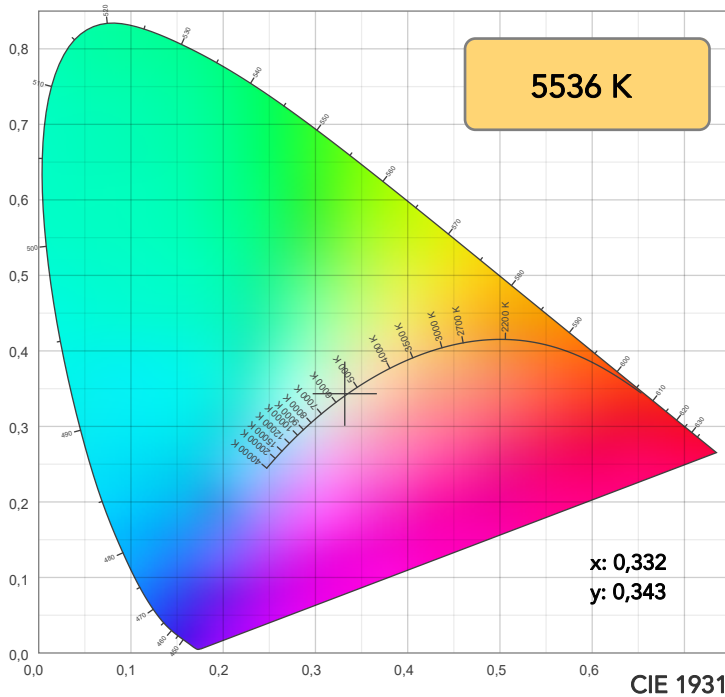
Field angle 10%: 43,3°

Cut off angle 2.5%: 49,8°

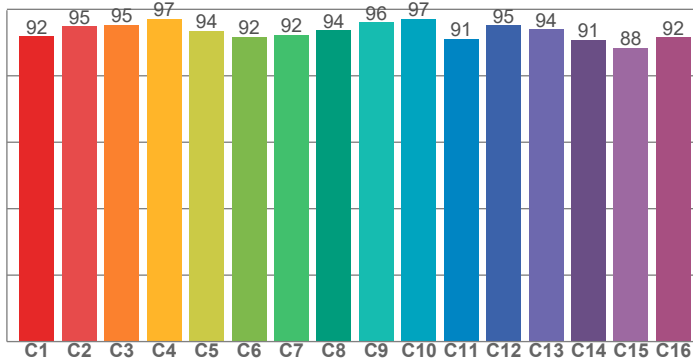
Spectra



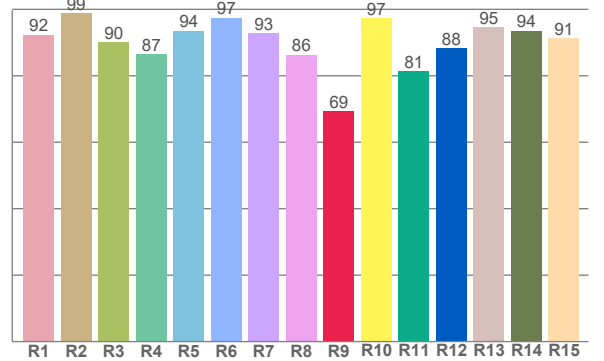
COLOR DETAILS



TM30: 93,5



CRI: 92,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,4	98,9	90,2	86,5	93,6	97,5	92,9	86,4	69,4	97,4	81,4	88,2	94,7	93,6	91,2

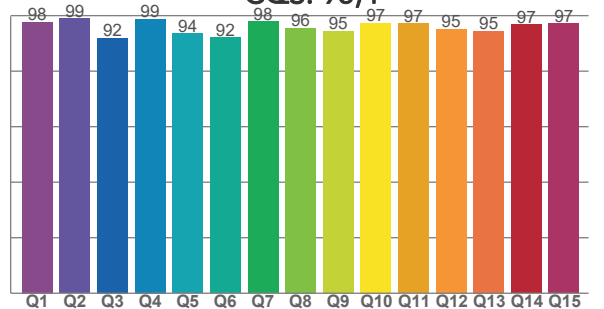
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,9	94,9	95,3	97,2	93,6	91,7	92,3	93,7	96,1	97,1	91,1	95,2	94,0	90,9	88,4	91,6

CQS Q values

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

CQS: 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
5536 K	92,3	69,4	93,5	105,8	95,4	95	0,332	0,343	0,0018

TM30 DETAILS

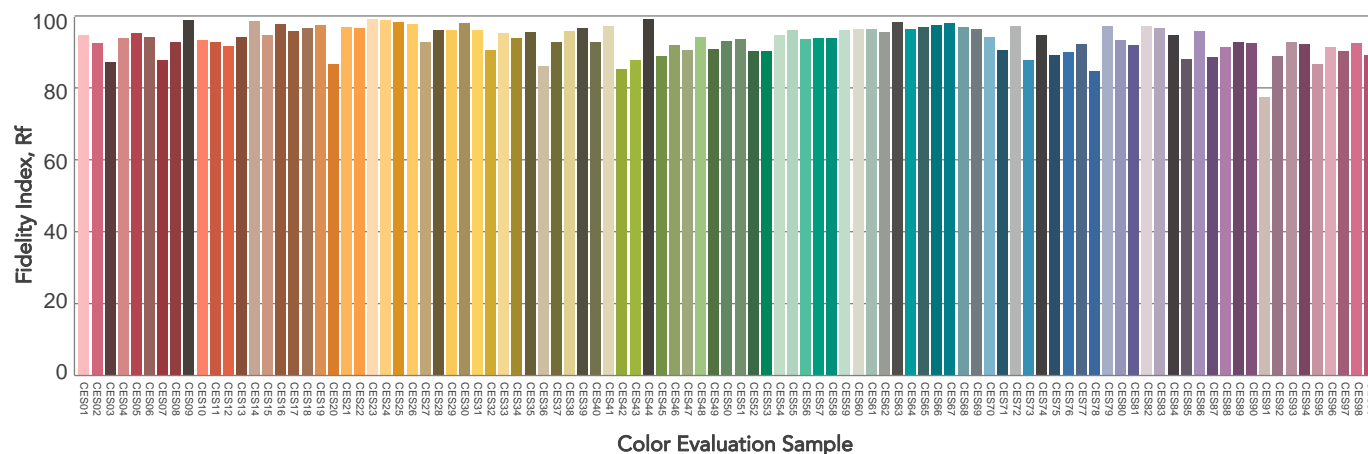
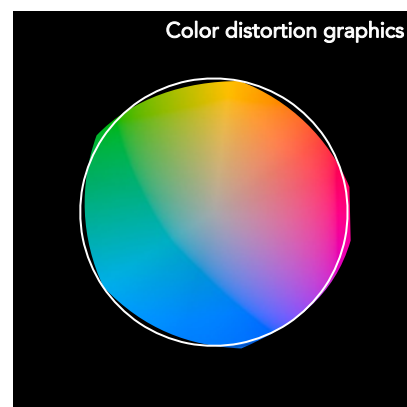
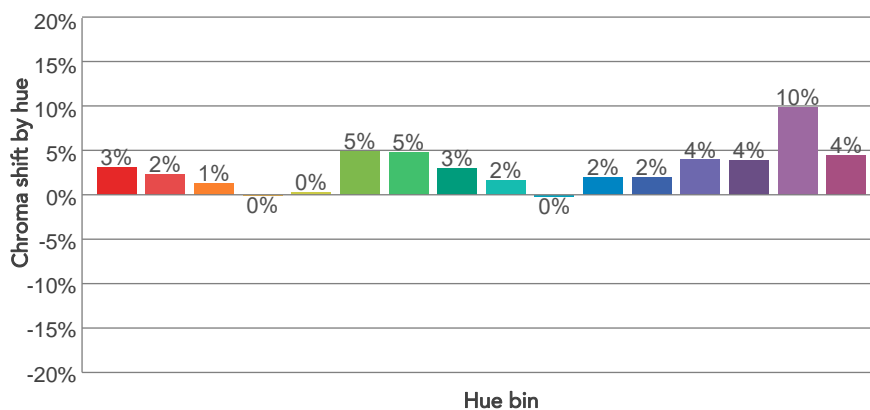
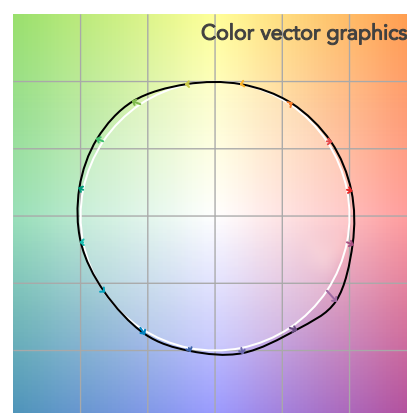
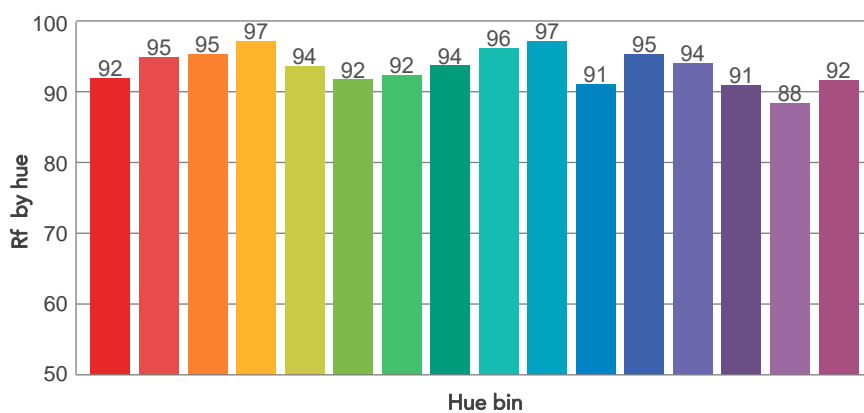
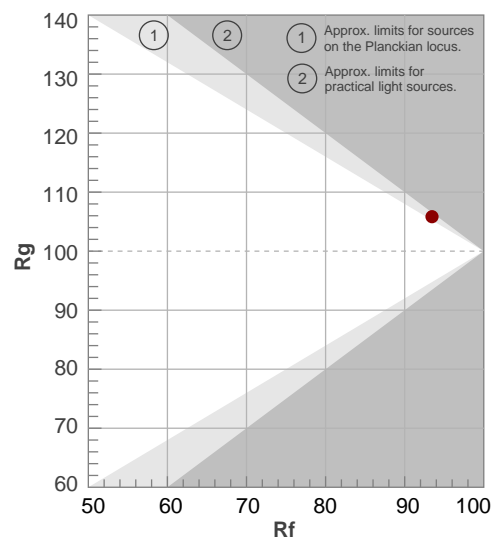
Rf 93,5

Fidelity index R_f

Rg 105,8

Gammut index

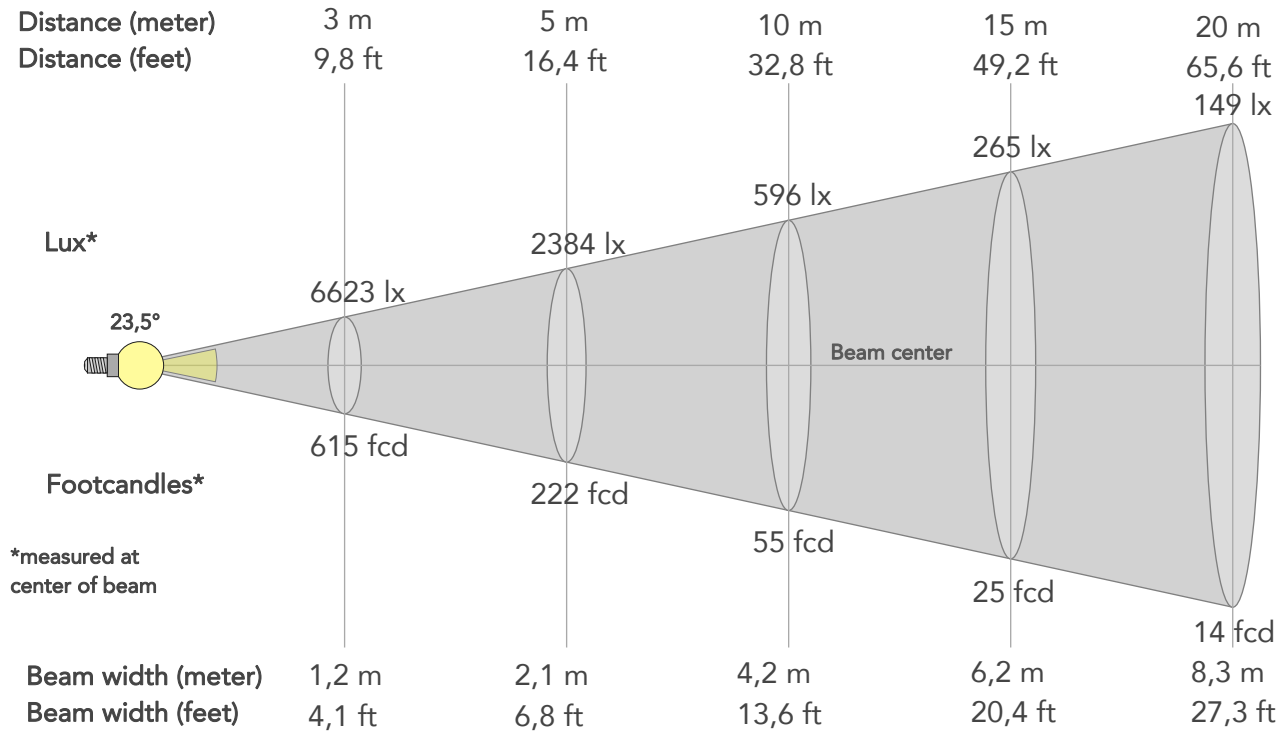
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	92	3%	-1%
2	95	2%	-2%
3	95	1%	-1%
4	97	0%	0%
5	94	0%	2%
6	92	5%	3%
7	92	5%	1%
8	94	3%	-1%
9	96	2%	0%
10	97	0%	1%
11	91	2%	5%
12	95	2%	1%
13	94	4%	0%
14	91	4%	3%
15	88	10%	-3%
16	92	4%	-1%



BEAM DETAILS



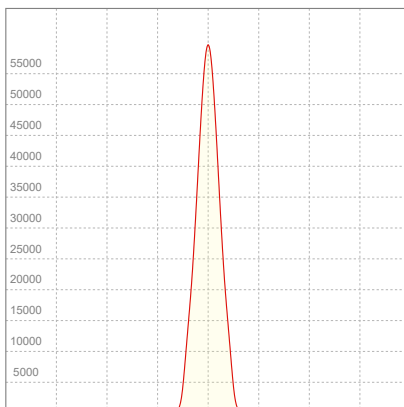
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	43,3°	49,8°	99,8%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	59610lx	14902lx	6623lx	3726lx	2384lx	1060lx	596lx	265lx	149lx	95lx	66lx	37lx	24lx
Footcand.	5538fcd	1384fcd	615fcd	346fcd	222fcd	98fcd	55fcd	25fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,3ft	34,1ft	40,9ft	54,5ft	68,1ft

LINEAR DISTRIBUTION DIAGRAM

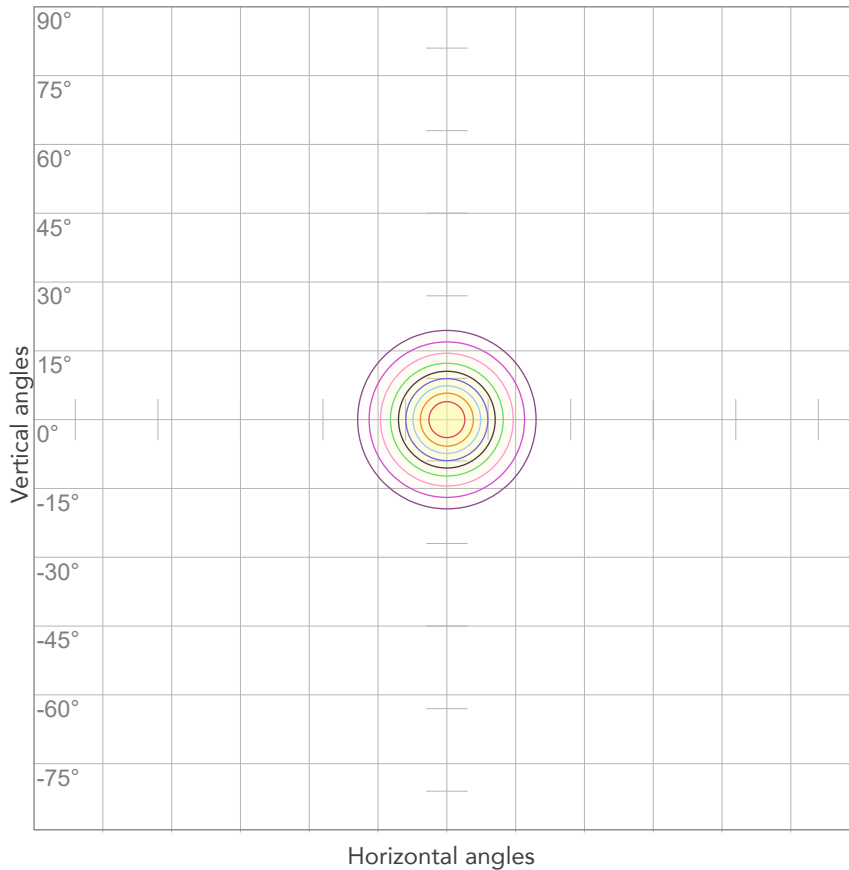


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	1,95A	440,8W	1,0	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



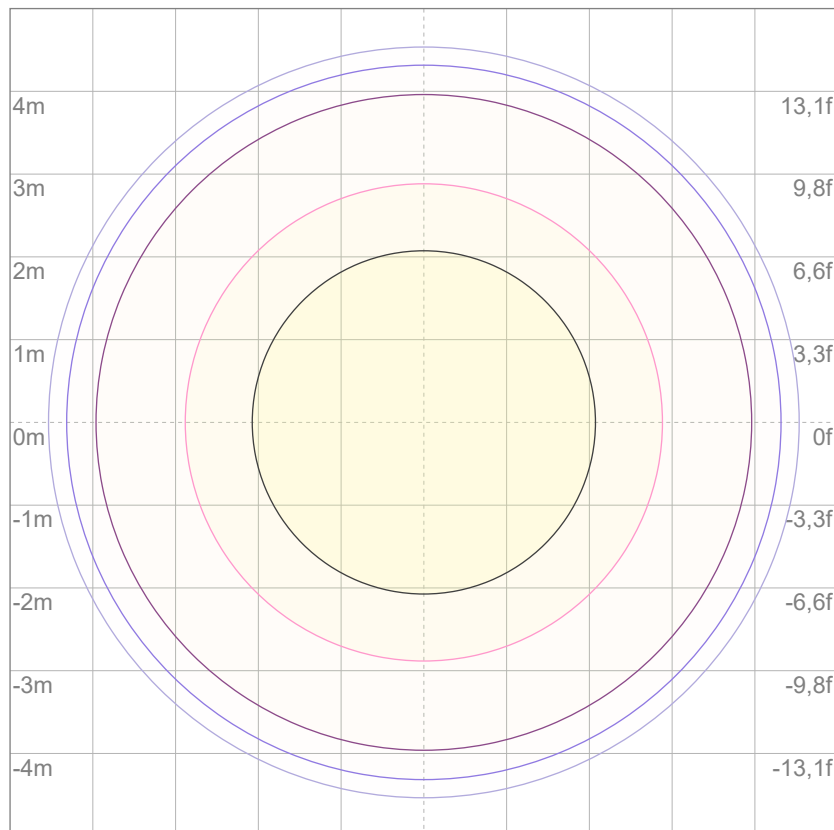
10%	5961 cd
20%	11922 cd
30%	17883 cd
40%	23844 cd
50%	29805 cd
60%	35766 cd
70%	41727 cd
80%	47688 cd

Conditions:

Number of c-planes: 2

Candela at center: 59610 cd

ISO LUX DIAGRAM



3%	17,9 lx
5%	29,8 lx
10%	59,6 lx
30%	179 lx
50%	298 lx

Conditions:

Number of c-planes: 2

Lux at center: 596 lx

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



Total lumen output:

6507 lm

Peak candela output:

167019 cd

Light quality:

CRI: 90,2

Color temperature:

5660 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

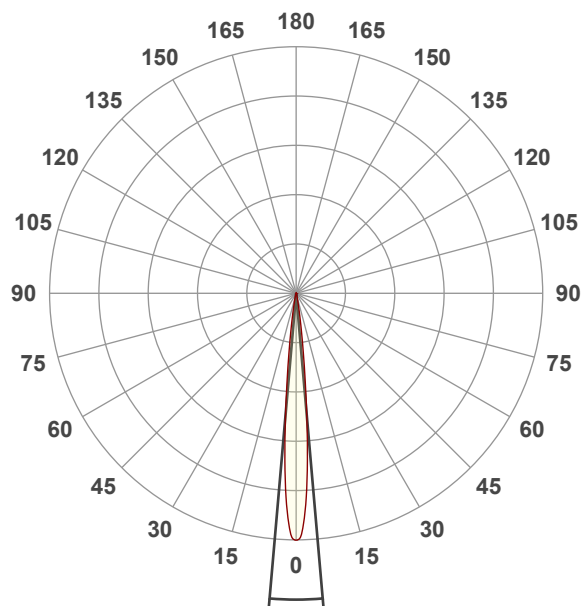
5600K - HB

Operator:

Salvatore Giglio

Date and time:

24/03/2025 16:57:30

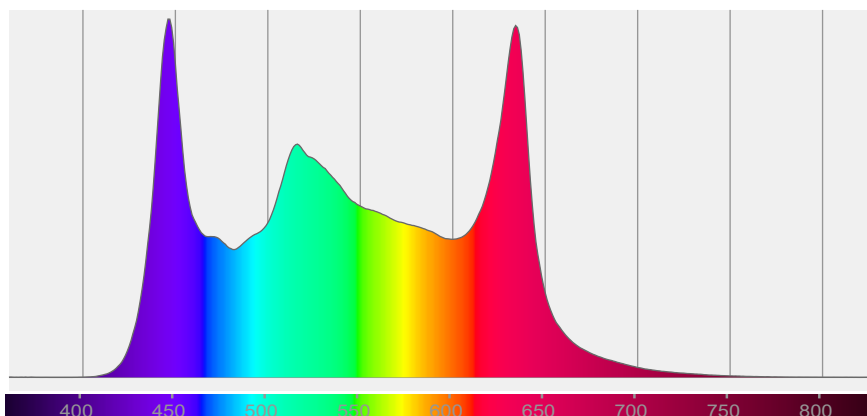


Beam angle 50%: 10°

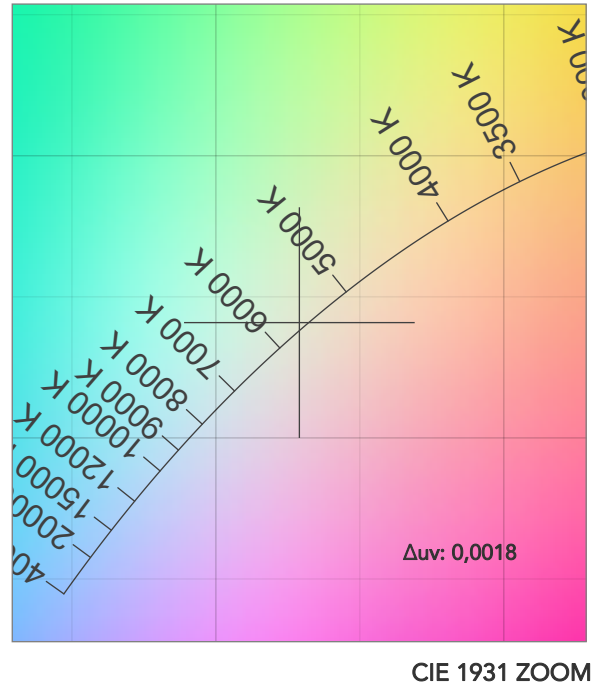
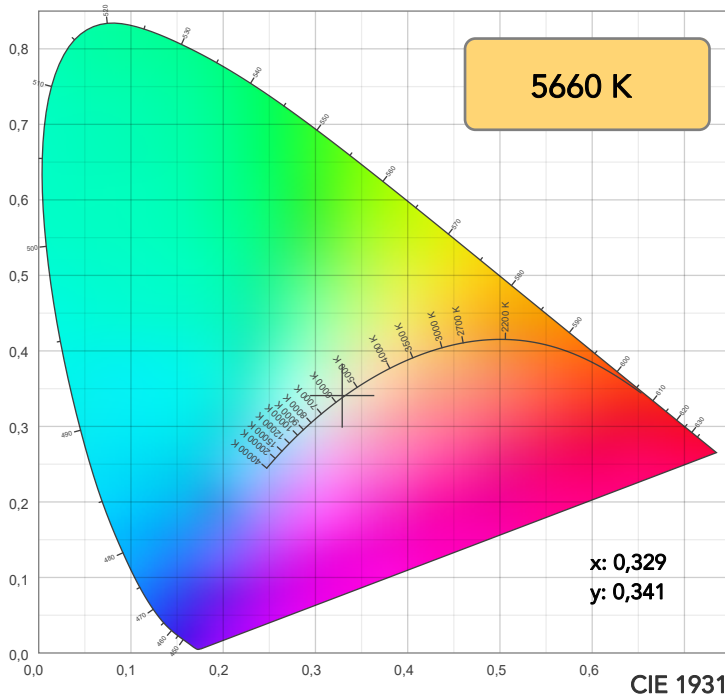
Field angle 10%: 18,1°

Cut off angle 2.5%: 25,1°

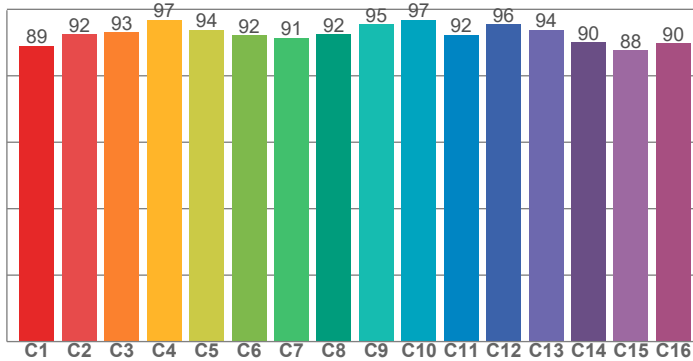
Spectra



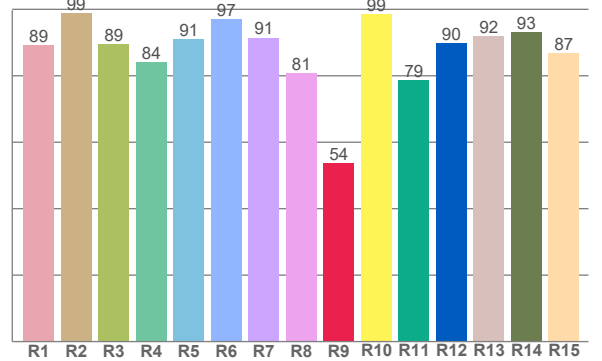
COLOR DETAILS



TM30: 92,7



CRI: 90,2 (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
89,1	98,8	89,5	84,1	90,9	97,1	91,5	80,7	53,7	98,5	78,6	89,8	91,9	93,0	86,7

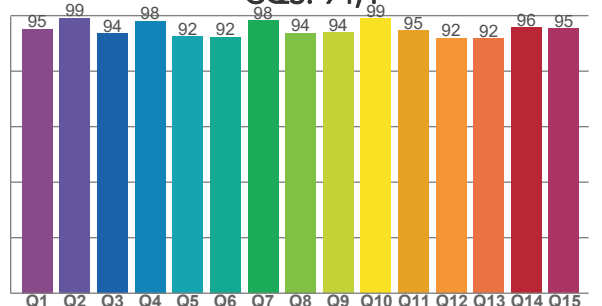
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	92,4	93,1	96,8	93,8	92,2	91,4	92,5	95,4	96,8	92,3	95,6	93,8	90,0	87,6	89,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	99,1	93,6	98,1	92,4	92,3	98,3	93,8	94,0	98,9	94,7	92,0	91,8	95,6	95,3

CQS: 94,4



COLOR PARAMETERS

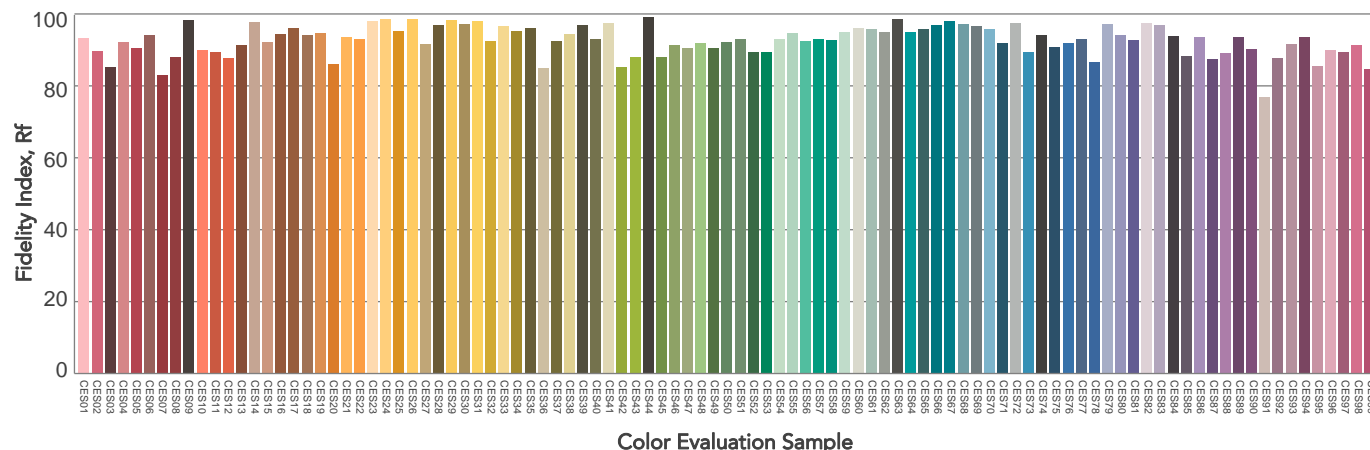
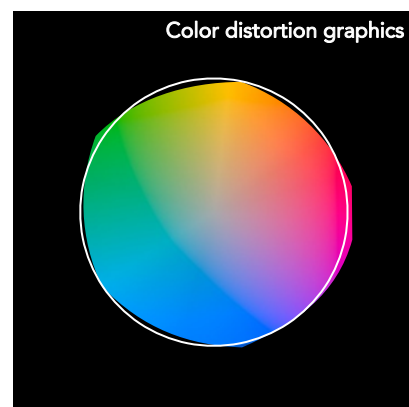
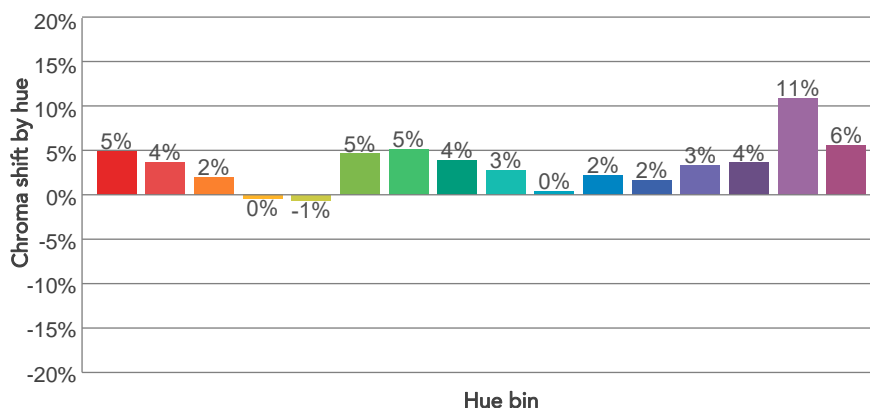
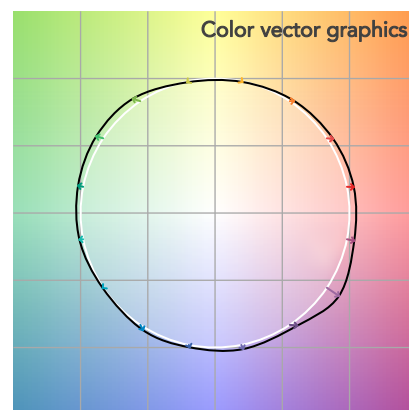
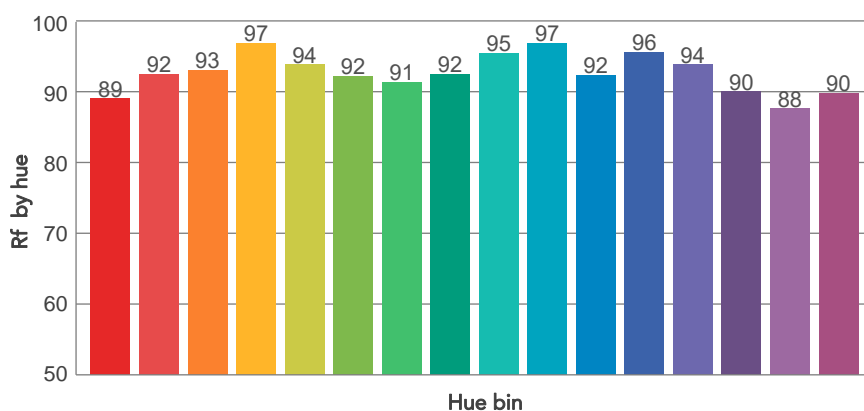
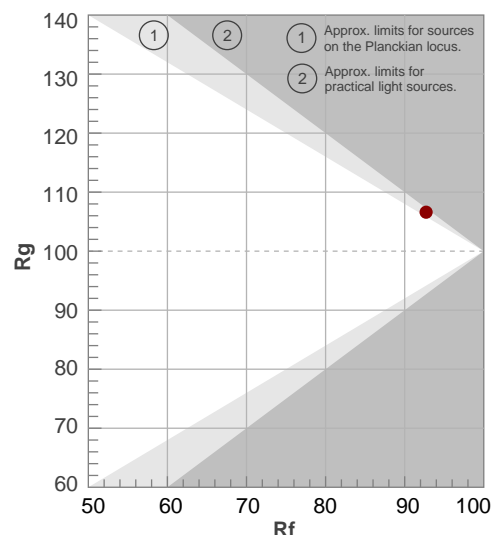
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5660 K	90,2	53,7	92,7	106,6	94,4	94	0,329	0,341	0,0018

TM30 DETAILS

Rf 92,7
Fidelity index Rf

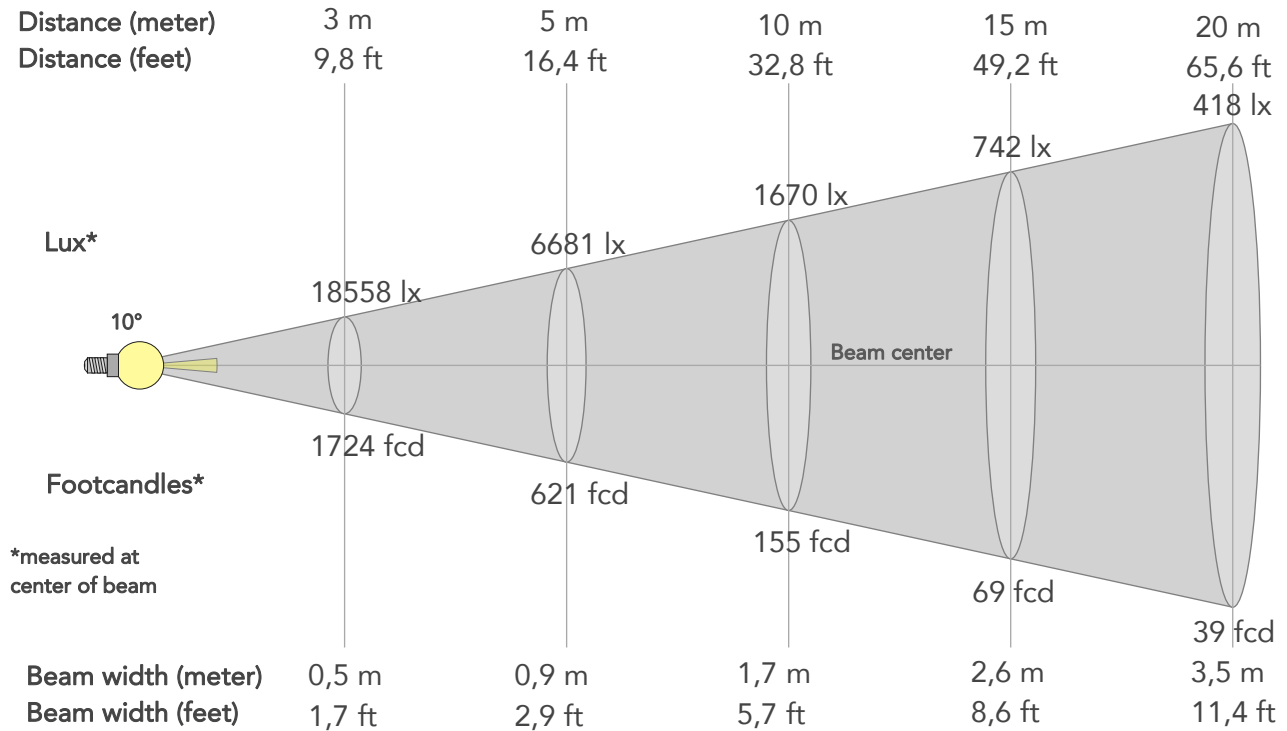
Rg 106,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	-1%
2	92	4%	-3%
3	93	2%	-2%
4	97	0%	-1%
5	94	-1%	1%
6	92	5%	4%
7	91	5%	2%
8	92	4%	0%
9	95	3%	0%
10	97	0%	0%
11	92	2%	4%
12	96	2%	1%
13	94	3%	1%
14	90	4%	4%
15	88	11%	0%
16	90	6%	0%



BEAM DETAILS

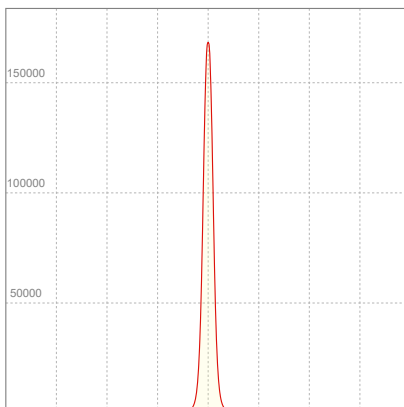
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	18,1°	25,1°	99,9%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	167019lx	41755lx	18558lx	10439lx	6681lx	2969lx	1670lx	742lx	418lx	267lx	186lx	104lx	67lx
Footcand.	15517fcd	3879fcd	1724fcd	970fcd	621fcd	276fcd	155fcd	69fcd	39fcd	25fcd	17fcd	10fcd	6fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,4m	5,2m	7m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,4ft	14,3ft	17,1ft	22,8ft	28,6ft

LINEAR DISTRIBUTION DIAGRAM

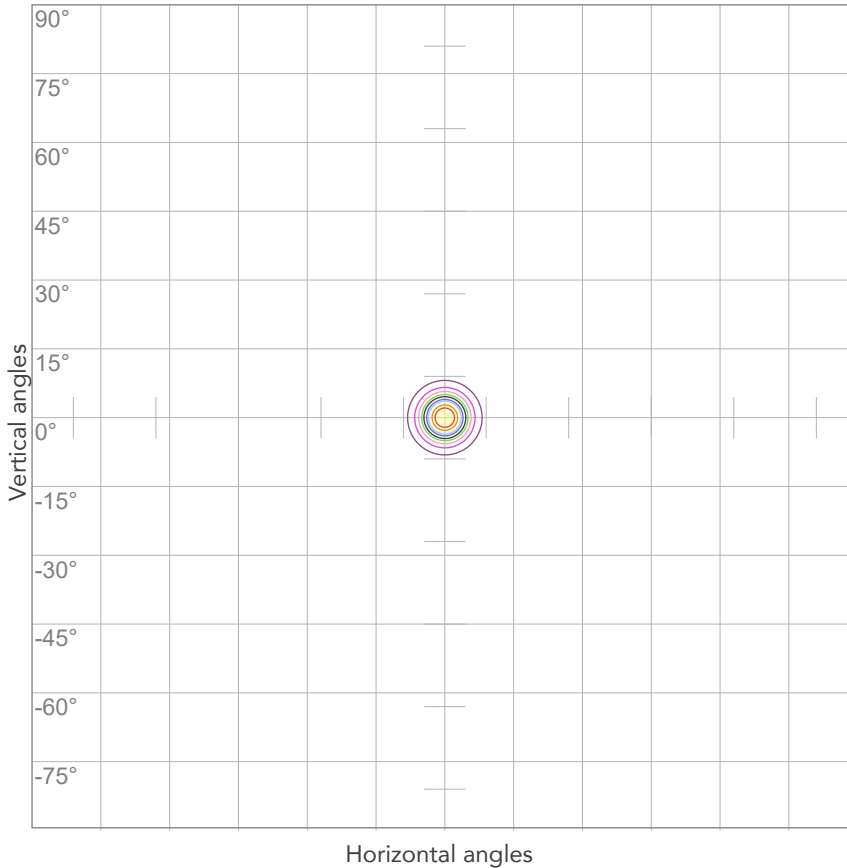


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	1,89A	428,7W	1,0	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



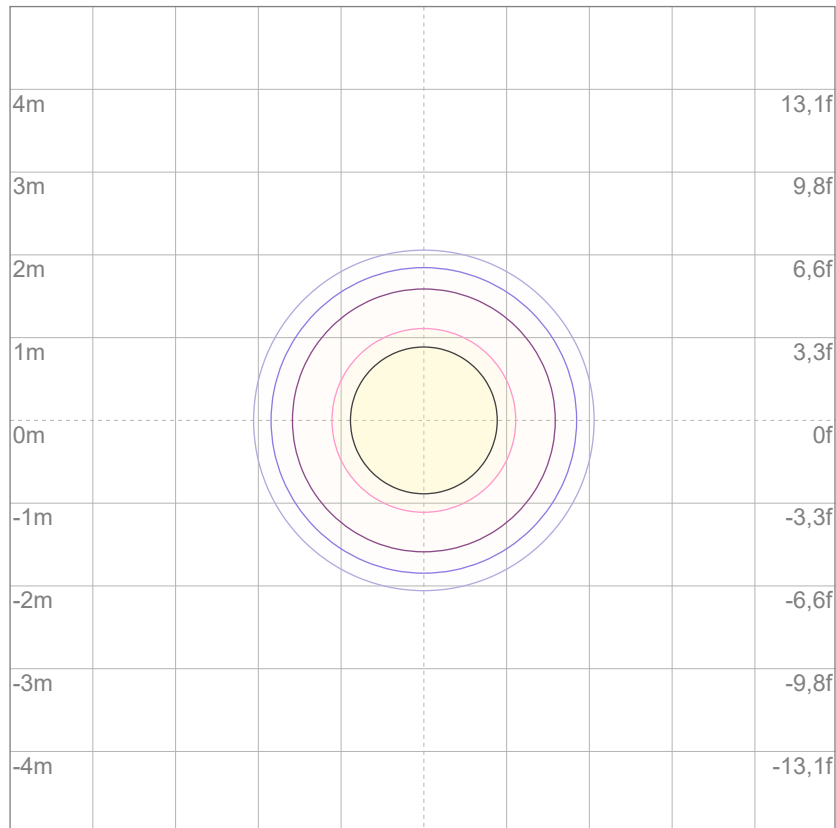
10%	16702 cd
20%	33404 cd
30%	50106 cd
40%	66808 cd
50%	83510 cd
60%	100212 cd
70%	116914 cd
80%	133615 cd

Conditions:

Number of c-planes: 2

Candela at center: 167019 cd

ISO LUX DIAGRAM



3%	50,1 lx
5%	83,5 lx
10%	167 lx
30%	501 lx
50%	835 lx

Conditions:

Number of c-planes: 2

Lux at center: 1670 lx

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



Total lumen output:

12370 lm

Peak candela output:

16071 cd

Light quality:

CRI: 89,7

Color temperature:

6008 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

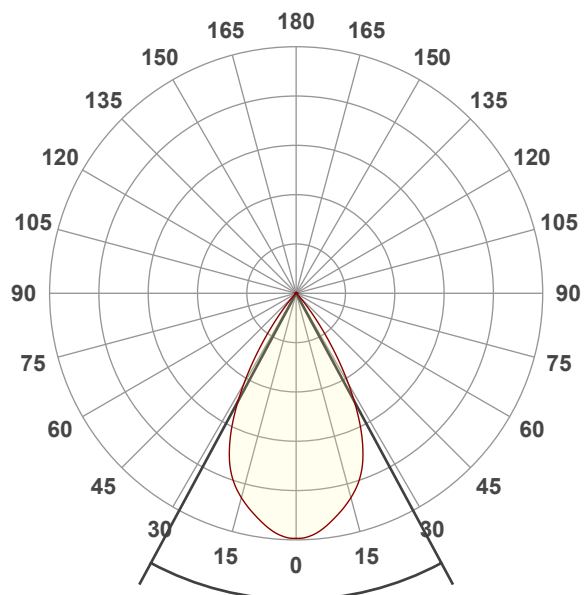
6000K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 12:31:29

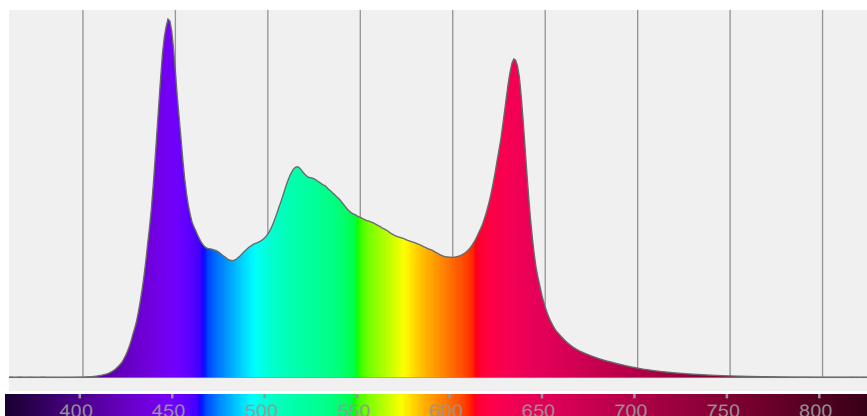


Beam angle 50%: 56,6°

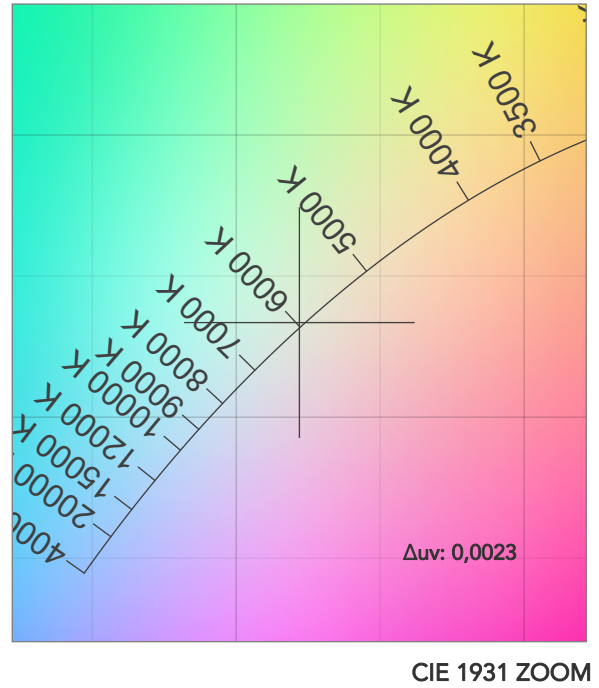
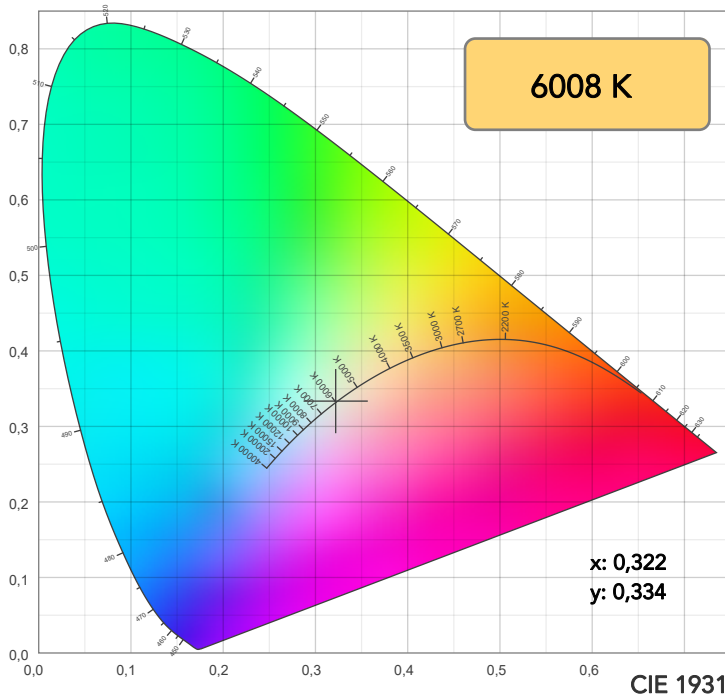
Field angle 10%: 77°

Cut off angle 2.5%: 85,7°

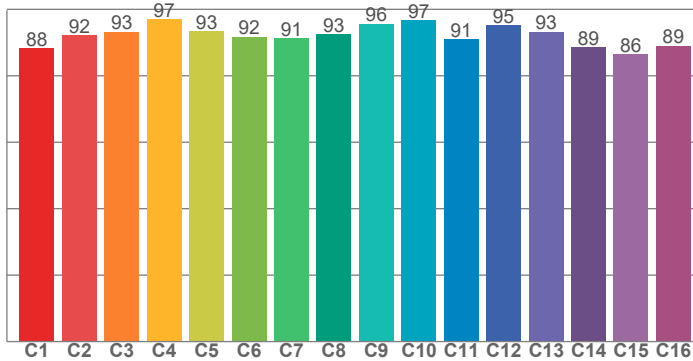
Spectra



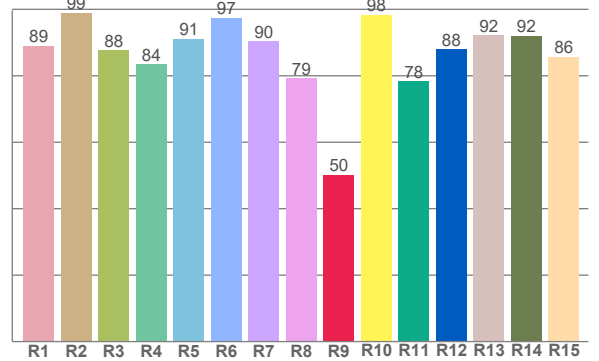
COLOR DETAILS



TM30: 92,3



CRI: 89,7 (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
89,1	99,0	87,8	83,5	91,2	97,5	90,4	79,4	50,2	98,4	78,5	88,1	92,2	92,1	85,8

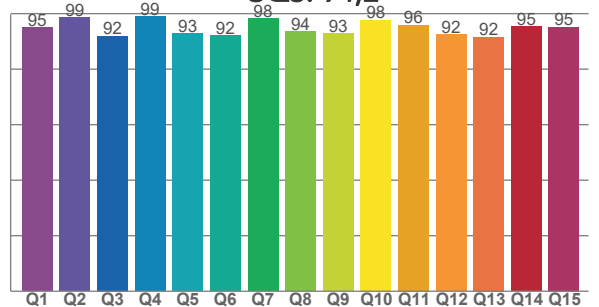
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,3	92,2	93,3	97,0	93,4	91,7	91,2	92,5	95,6	96,7	90,9	95,3	93,2	88,6	86,4	89,0

CQS Q values

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

CQS: 94,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6008 K	89,7	50,2	92,3	107,1	94,2	94	0,322	0,334	0,0023

TM30 DETAILS

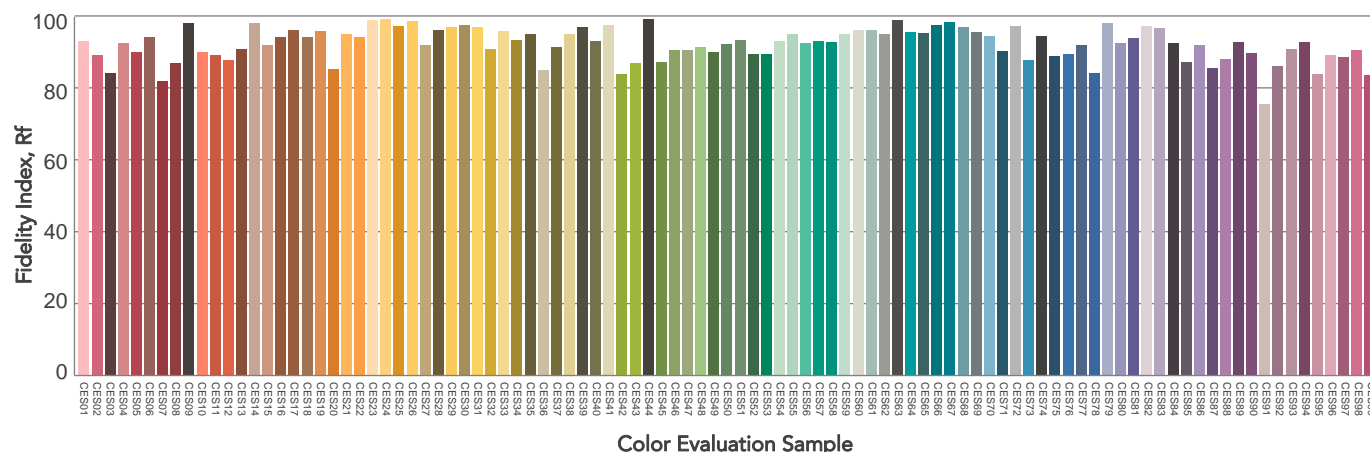
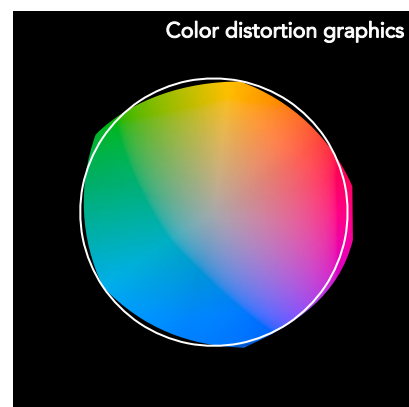
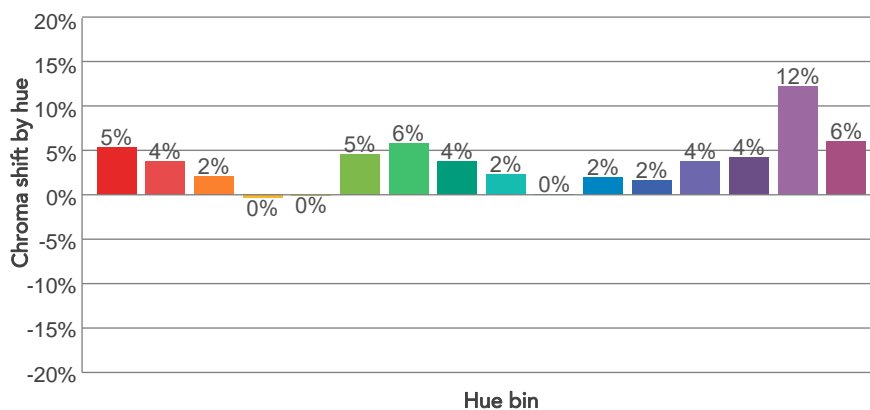
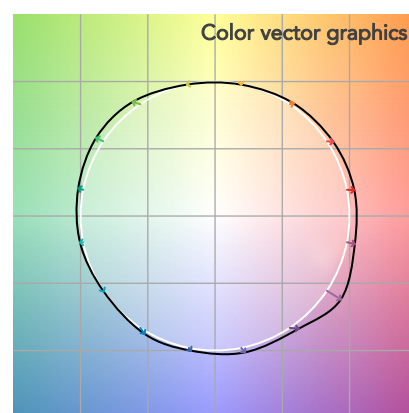
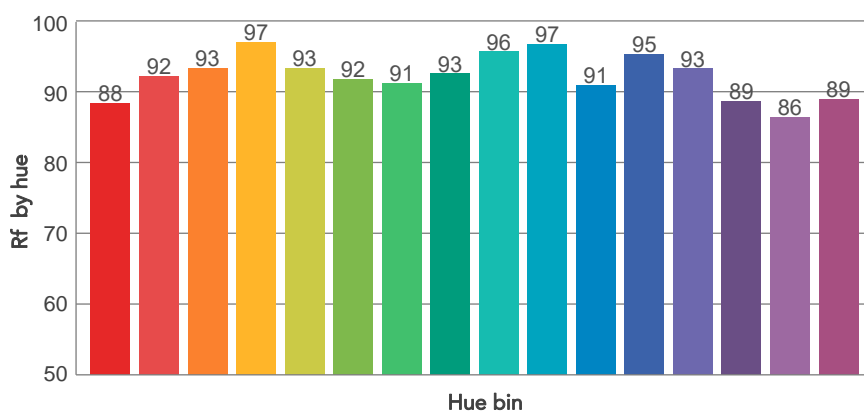
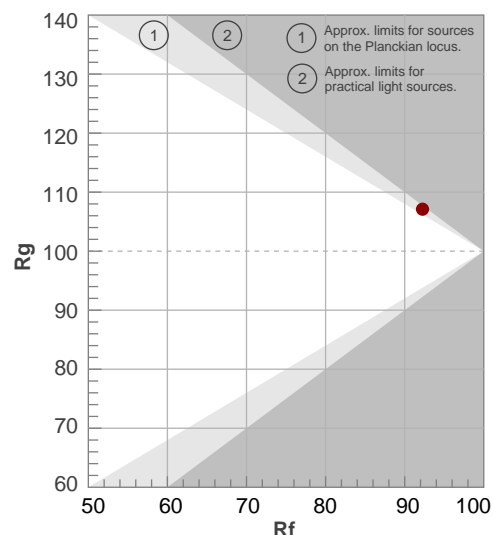
Rf 92,3

Fidelity index Rf

Rg 107,1

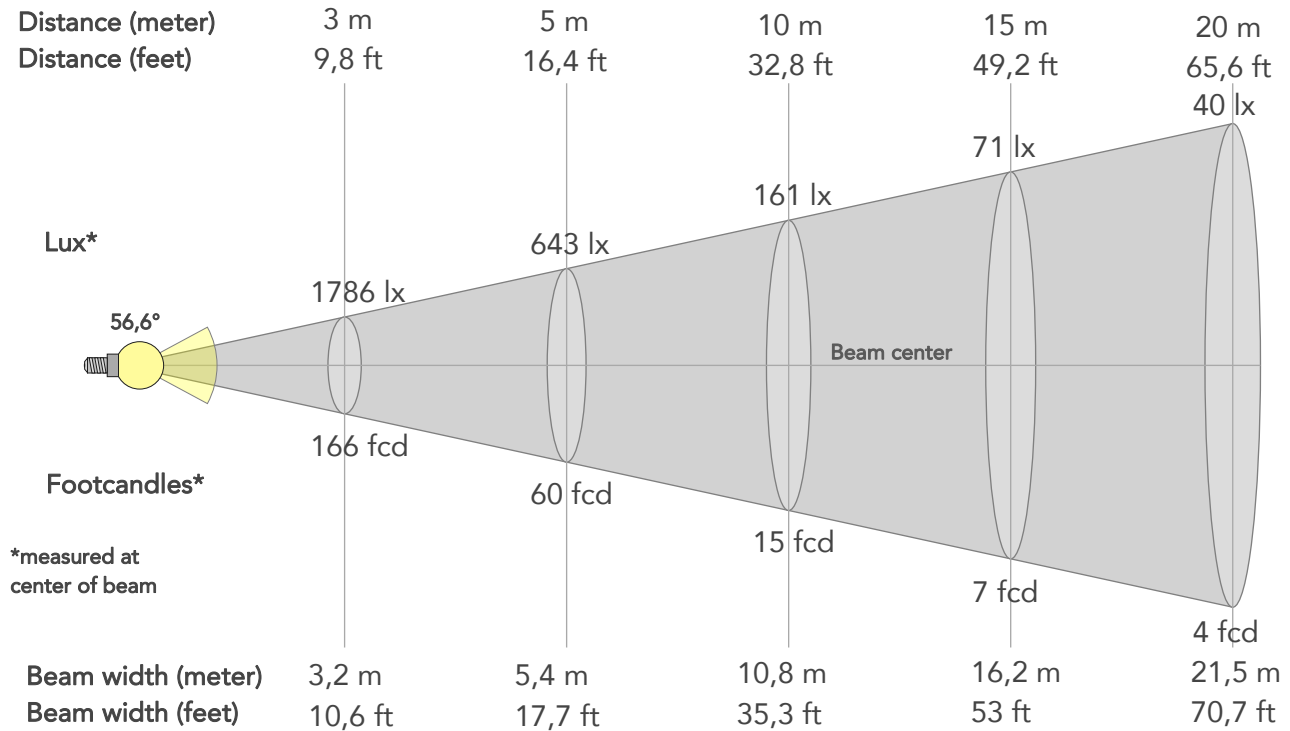
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-1%
2	92	4%	-3%
3	93	2%	-2%
4	97	0%	0%
5	93	0%	1%
6	92	5%	4%
7	91	6%	1%
8	93	4%	0%
9	96	2%	0%
10	97	0%	1%
11	91	2%	5%
12	95	2%	2%
13	93	4%	2%
14	89	4%	5%
15	86	12%	0%
16	89	6%	0%



BEAM DETAILS

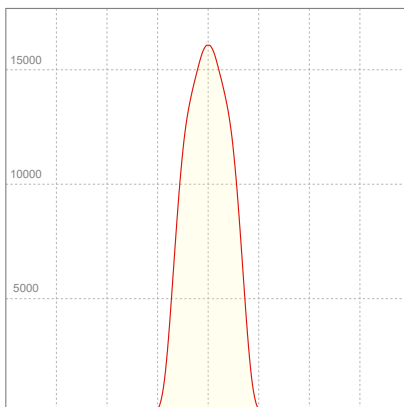
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,6°	77°	85,7°	99,8%	99,2%



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	16071lx	4018lx	1786lx	1004lx	643lx	286lx	161lx	71lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1493fcd	373fcd	166fcd	93fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,5m	26,9m	32,3m	43,1m	53,8m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,3ft	53ft	70,7ft	88,3ft	106ft	141,3ft	176,6ft

LINEAR DISTRIBUTION DIAGRAM

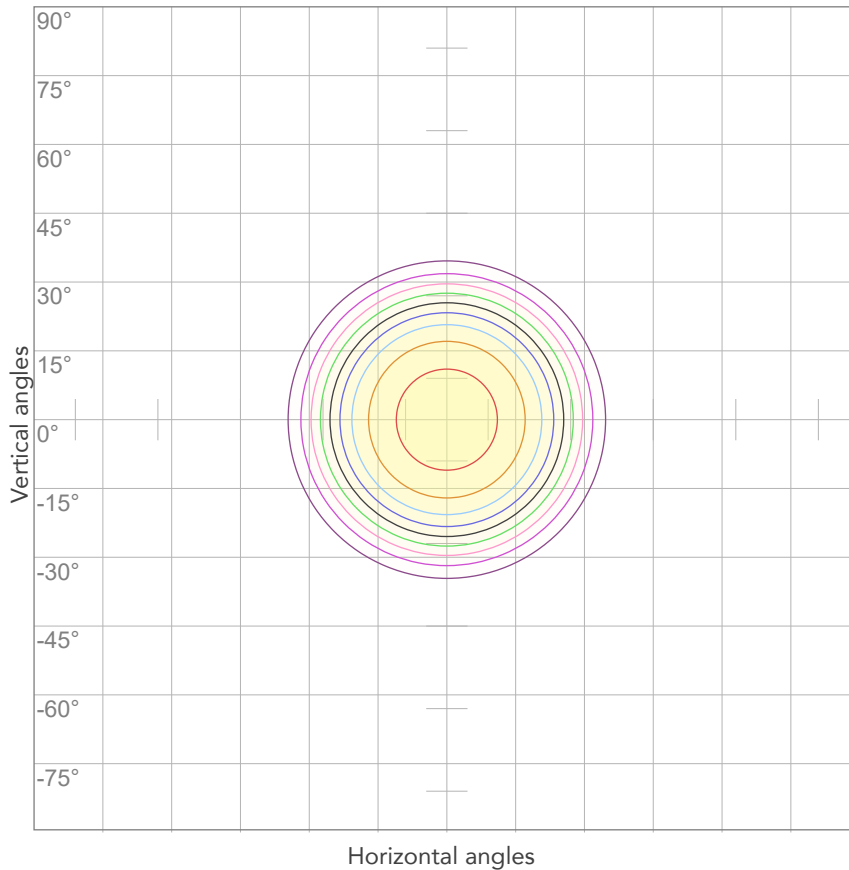


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	1,75A	397,3W	1,0	31lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



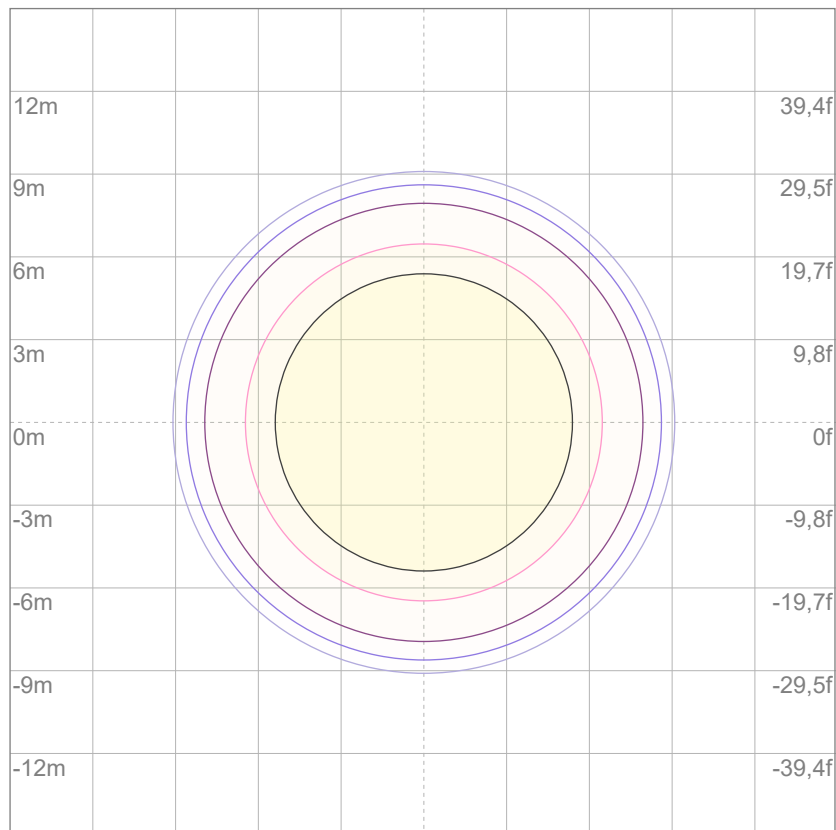
10%	1607 cd
20%	3214 cd
30%	4821 cd
40%	6428 cd
50%	8035 cd
60%	9642 cd
70%	11249 cd
80%	12857 cd

Conditions:

Number of c-planes: 2

Candela at center: 16071 cd

ISO LUX DIAGRAM



3%	4,82 lx
5%	8,04 lx
10%	16,1 lx
30%	48,2 lx
50%	80,4 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.



Total lumen output:

10374 lm

Peak candela output:

54318 cd

Light quality:

CRI: 90,0

Color temperature:

6070 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

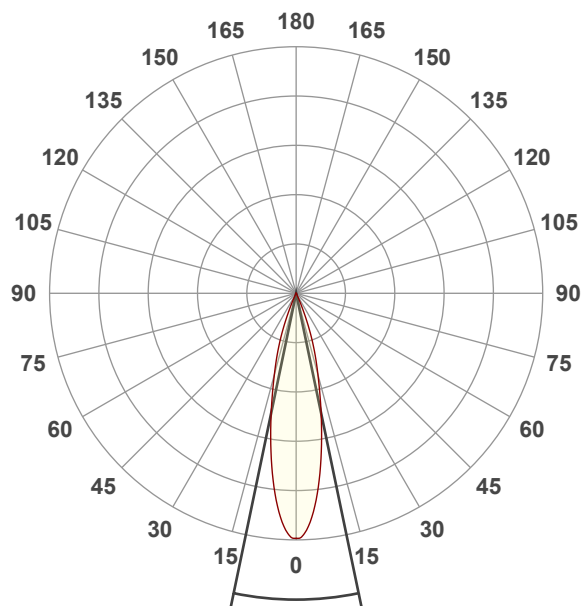
6000K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 13:34:32

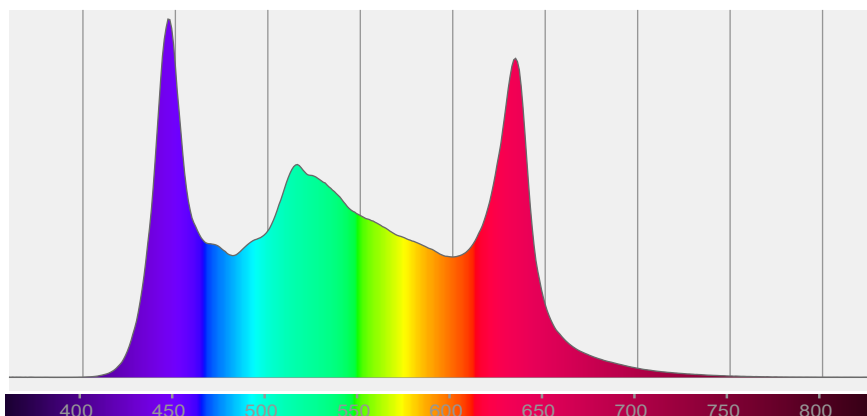


Beam angle 50%: 23,5°

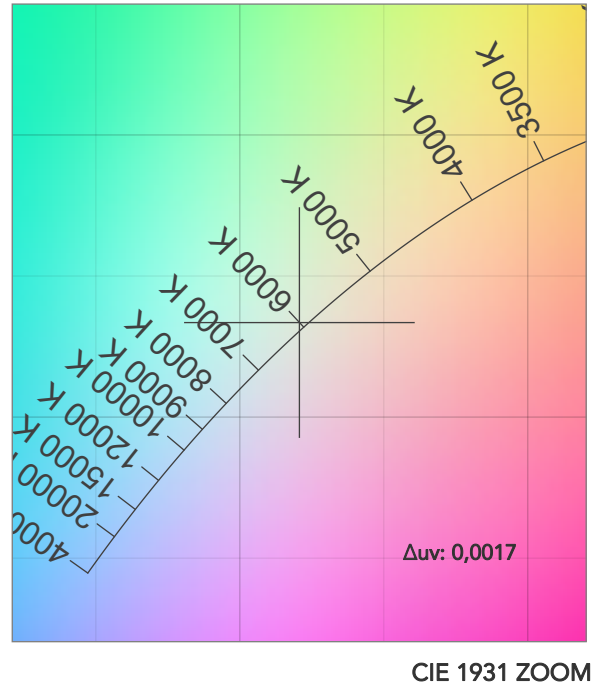
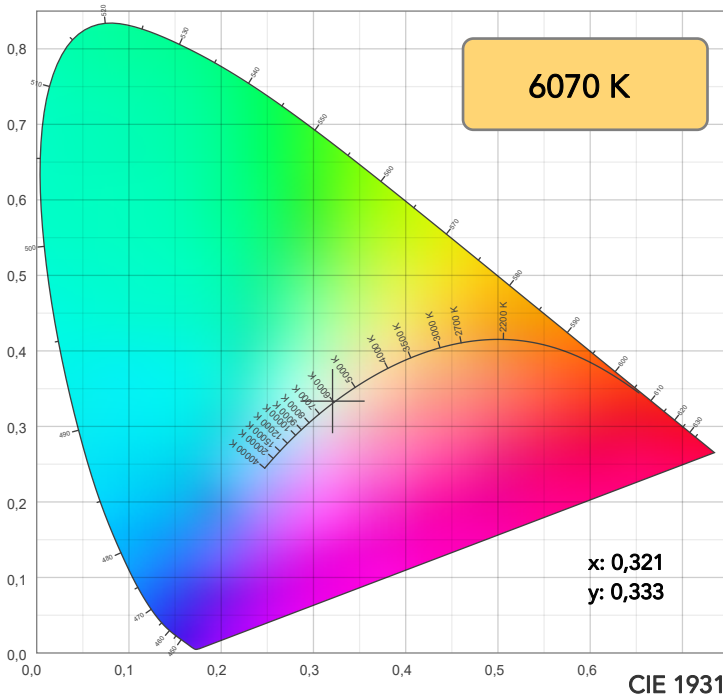
Field angle 10%: 43,3°

Cut off angle 2.5%: 49,8°

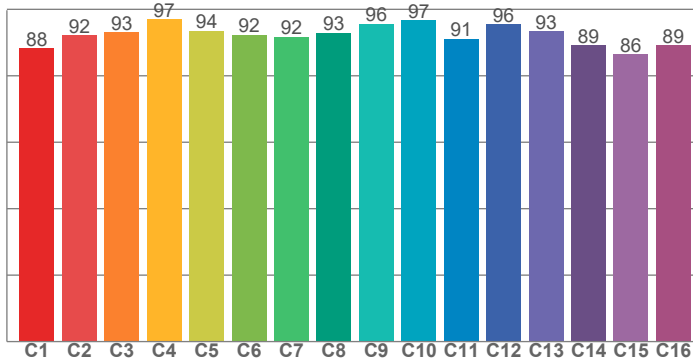
Spectra



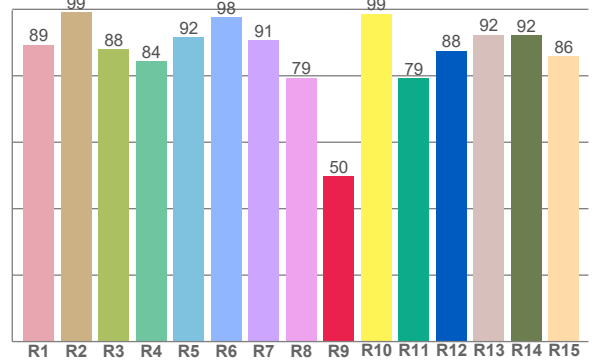
COLOR DETAILS



TM30: 92,4



CRI: 90,0 (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
89,4	99,2	88,1	84,3	91,5	97,7	90,7	79,4	49,7	98,7	79,3	87,6	92,3	92,3	86,0

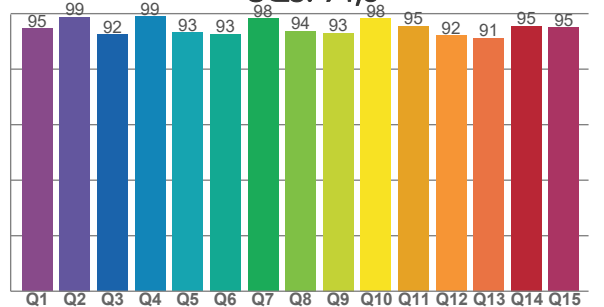
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,3	92,1	93,0	97,0	93,6	92,3	91,8	92,9	95,7	96,7	91,1	95,5	93,4	89,2	86,4	89,2

CQS Q values

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

CQS: 94,3



COLOR PARAMETERS

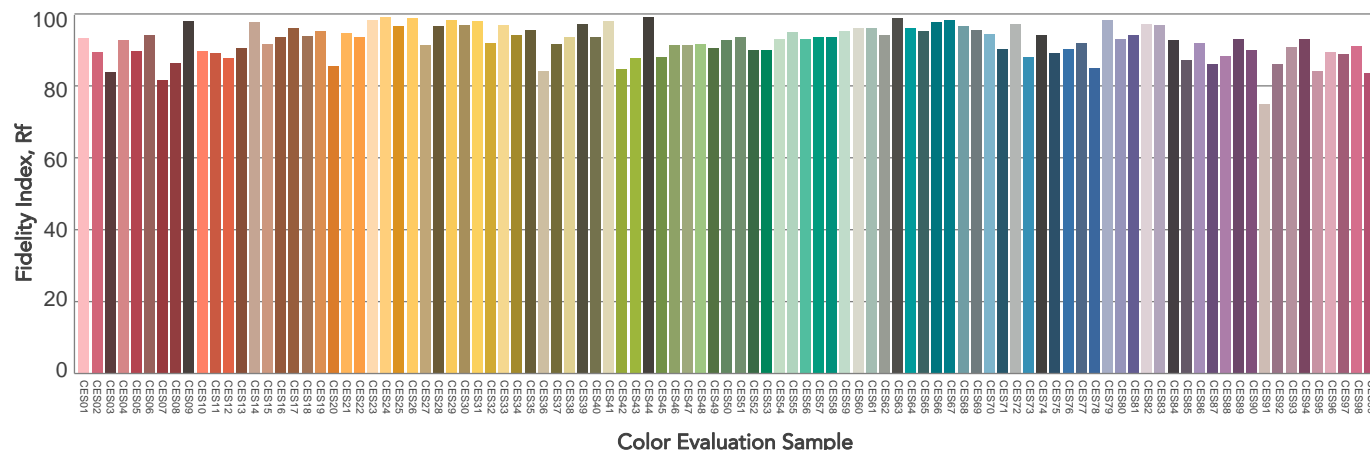
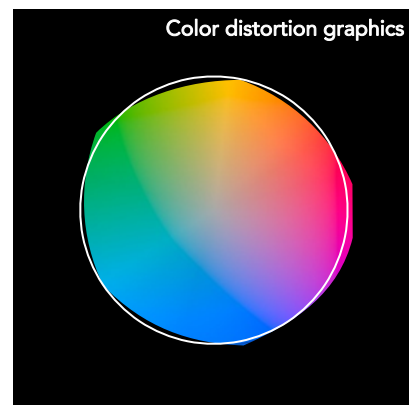
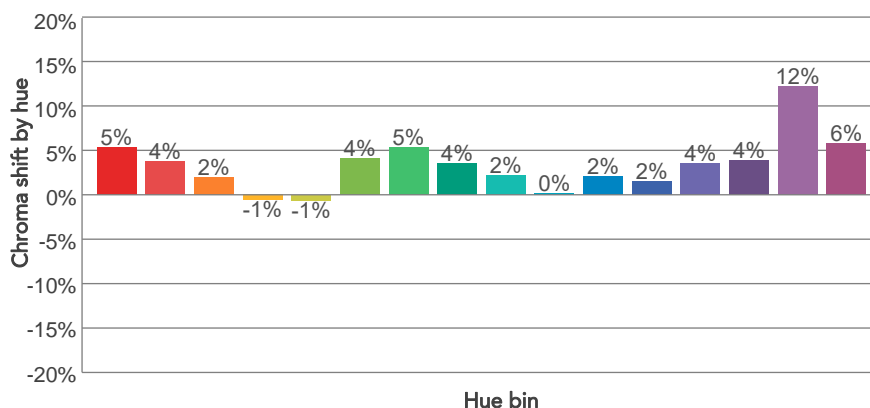
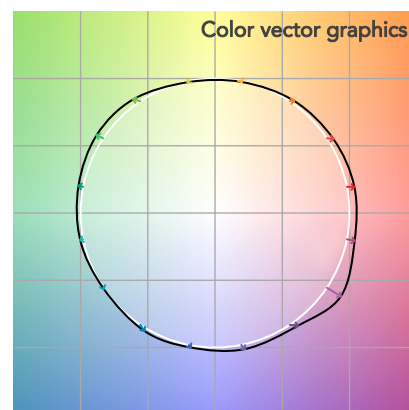
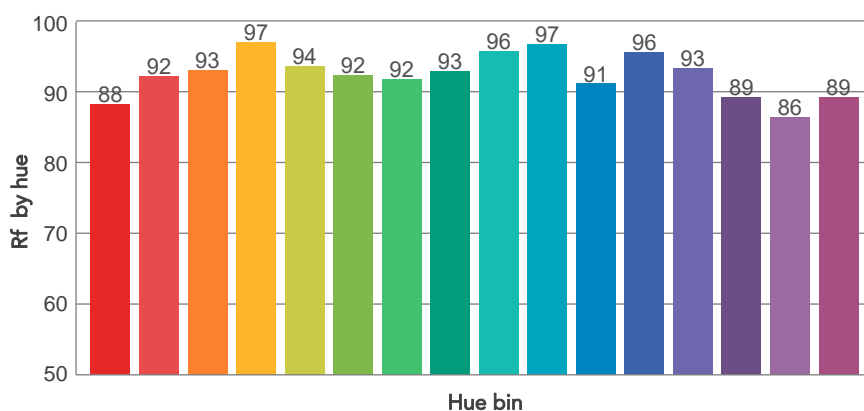
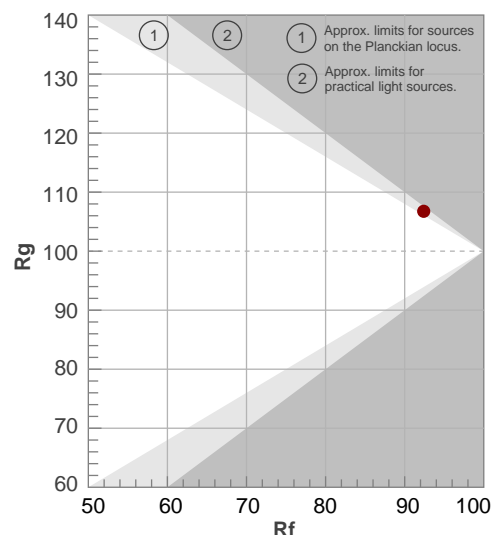
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6070 K	90,0	49,7	92,4	106,8	94,3	94	0,321	0,333	0,0017

TM30 DETAILS

Rf 92,4
Fidelity index Rf

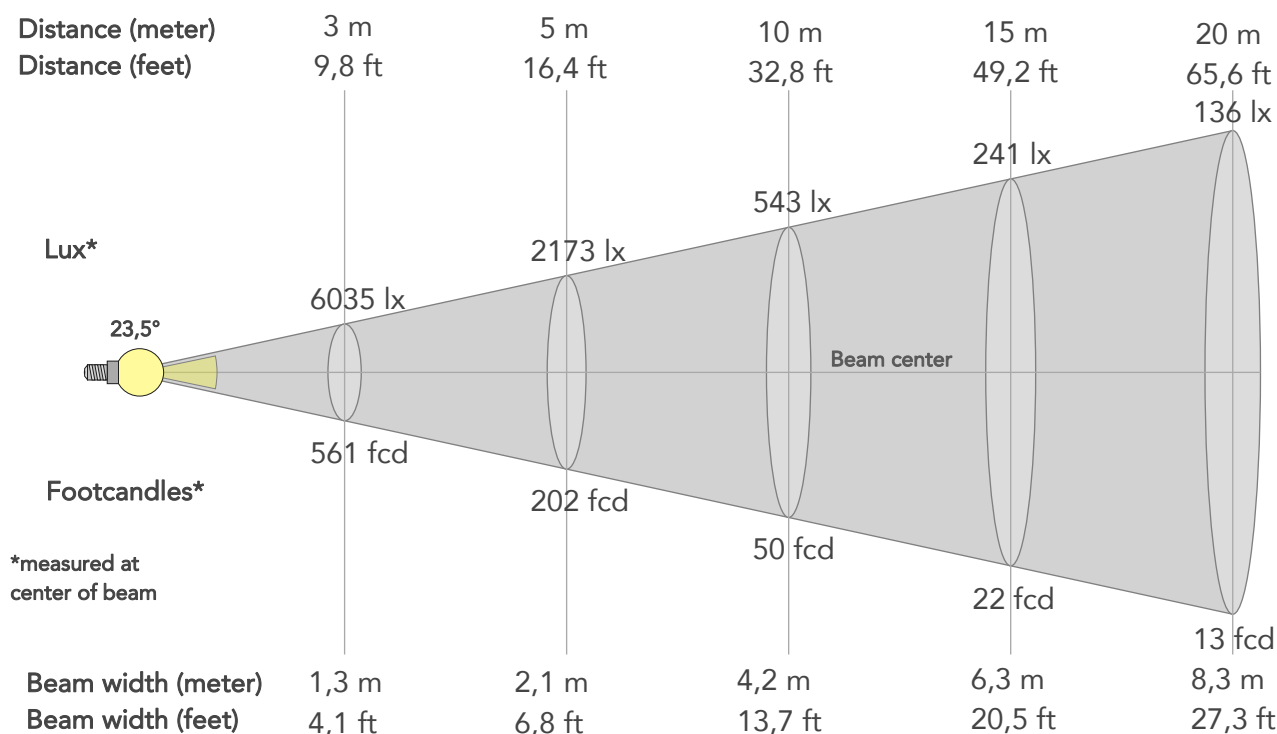
Rg 106,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-1%
2	92	4%	-3%
3	93	2%	-2%
4	97	-1%	0%
5	94	-1%	1%
6	92	4%	4%
7	92	5%	1%
8	93	4%	0%
9	96	2%	0%
10	97	0%	1%
11	91	2%	5%
12	96	2%	2%
13	93	4%	2%
14	89	4%	5%
15	86	12%	0%
16	89	6%	0%



BEAM DETAILS

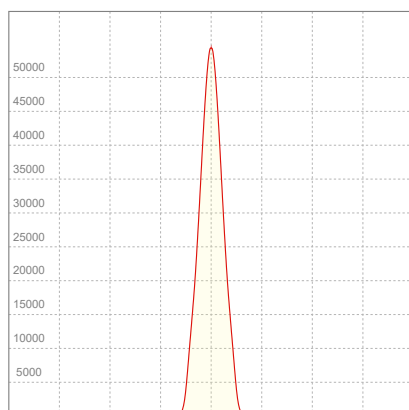
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	43,3°	49,8°	99,8%	99,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	54318lx	13580lx	6035lx	3395lx	2173lx	966lx	543lx	241lx	136lx	87lx	60lx	34lx	22lx
Footcand.	5046fcd	1262fcd	561fcd	315fcd	202fcd	90fcd	50fcd	22fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,3m	10,4m	12,5m	16,7m	20,8m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,8ft	10,3ft	13,7ft	20,5ft	27,3ft	34,2ft	41ft	54,7ft	68,3ft

LINEAR DISTRIBUTION DIAGRAM

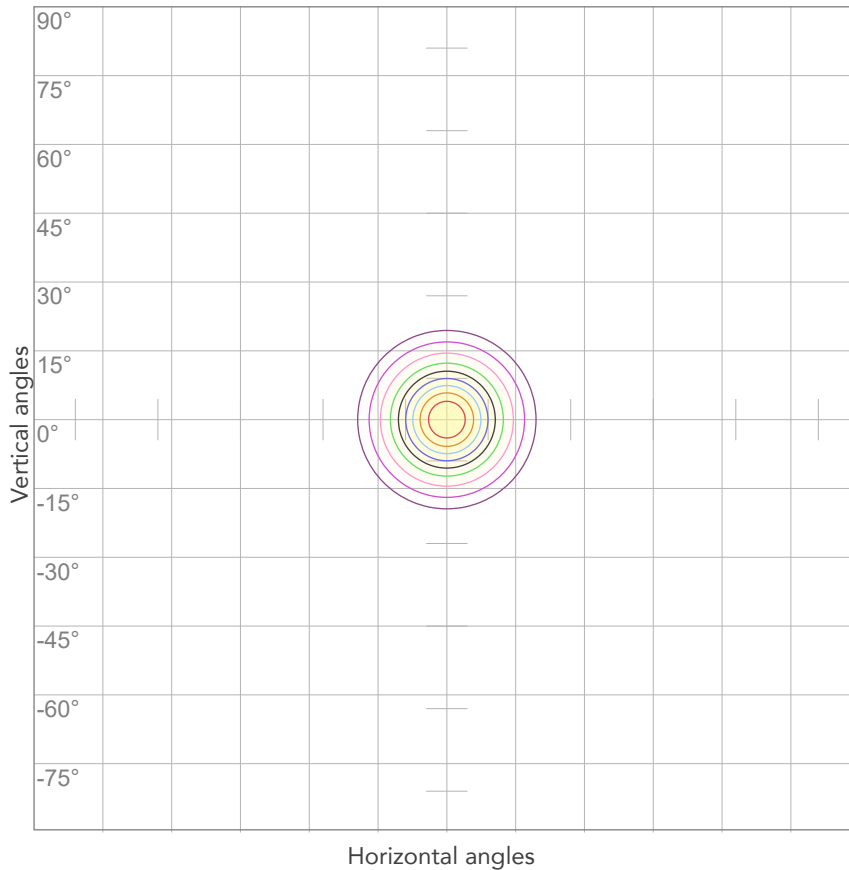


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	1,79A	399,5W	0,99	26lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



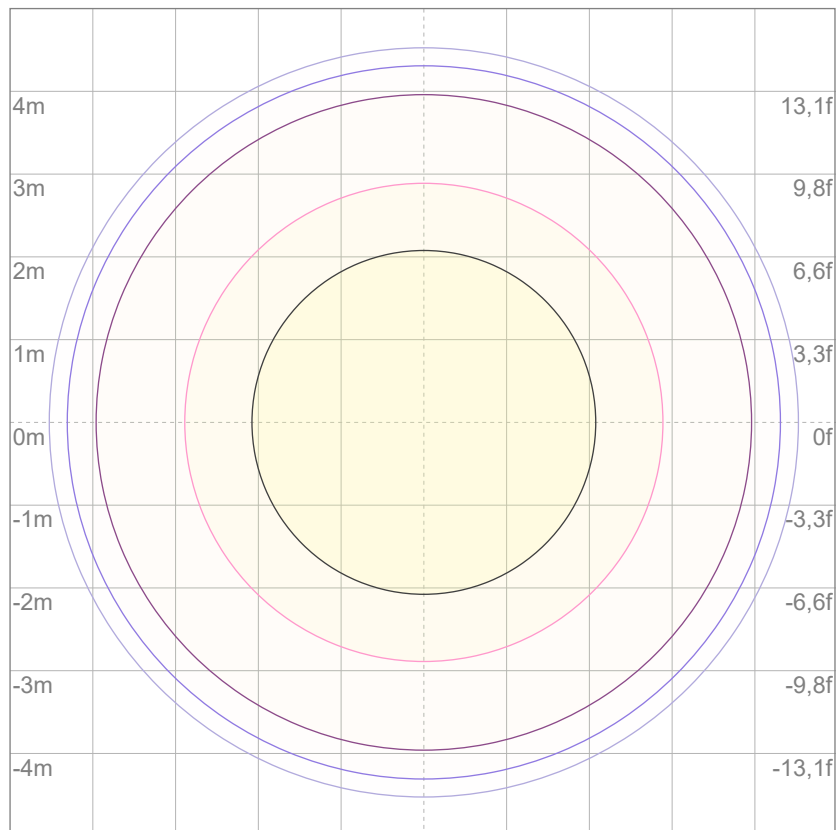
10%	5432 cd
20%	10864 cd
30%	16296 cd
40%	21727 cd
50%	27159 cd
60%	32591 cd
70%	38023 cd
80%	43455 cd

Conditions:

Number of c-planes: 2

Candela at center: 54318 cd

ISO LUX DIAGRAM



3%	16,3 lx
5%	27,2 lx
10%	54,3 lx
30%	163 lx
50%	272 lx

Conditions:

Number of c-planes: 2

Lux at center: 543 lx

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



Total lumen output:

6024 lm

Peak candela output:

158056 cd

Light quality:

CRI: 89,9

Color temperature:

6046 K

PRODUCT NAME:

ECLFRCTPL IP

MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

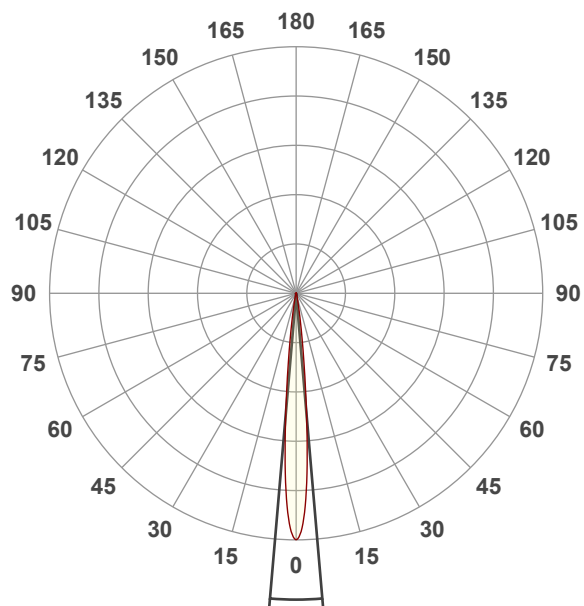
6000K - HB

Operator:

Salvatore Giglio

Date and time:

25/03/2025 12:42:43

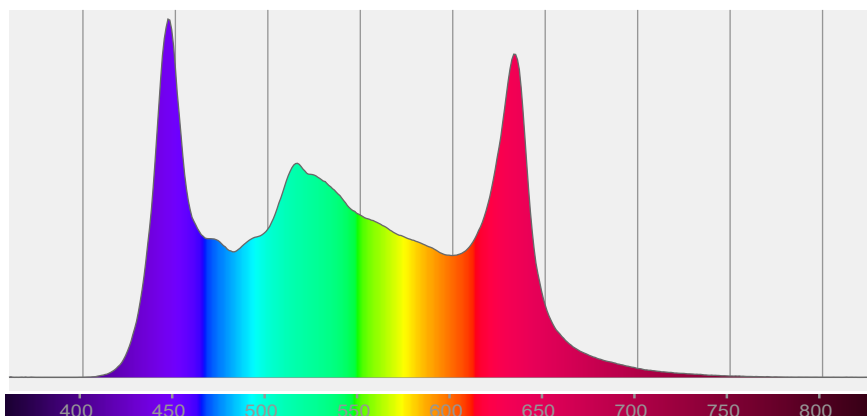


Beam angle 50%: 9,8°

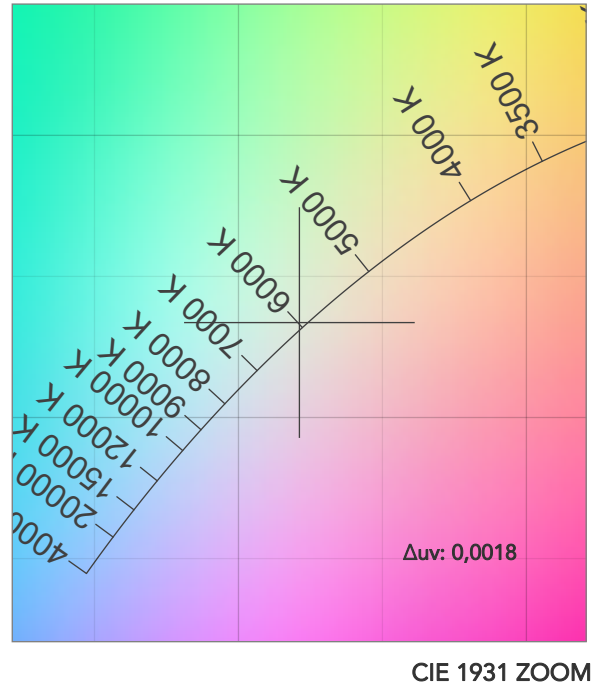
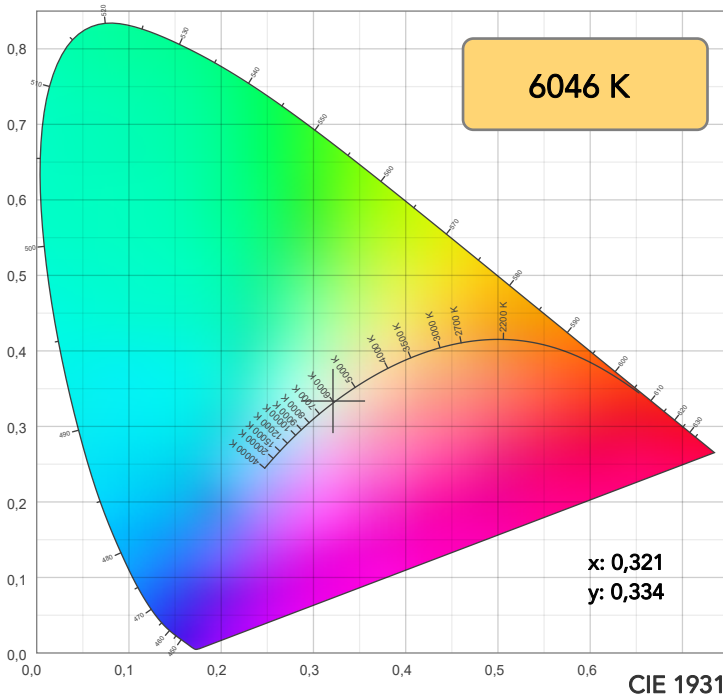
Field angle 10%: 18°

Cut off angle 2.5%: 24,8°

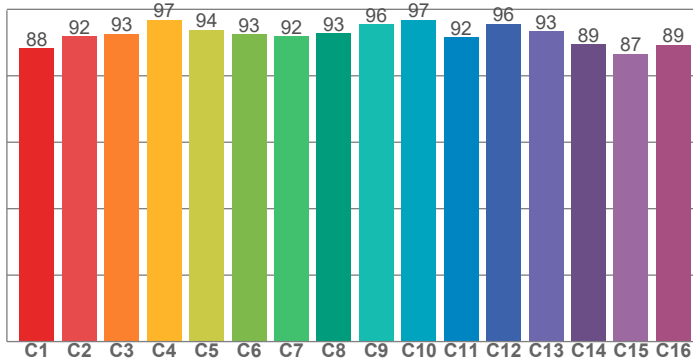
Spectra



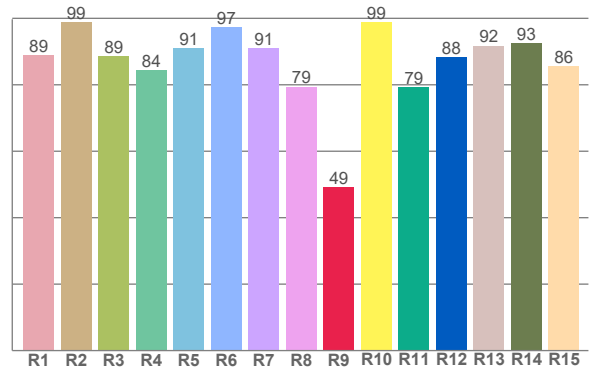
COLOR DETAILS



TM30: 92,5



CRI: 89,9 (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
88,9	98,8	88,7	84,3	91,1	97,3	91,0	79,4	49,2	98,9	79,2	88,3	91,8	92,6	85,5

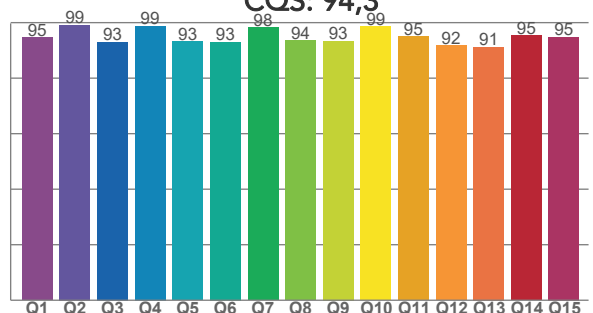
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,2	91,9	92,7	96,9	93,8	92,5	91,9	92,8	95,6	96,8	91,6	95,6	93,5	89,4	86,6	89,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,6	99,1	93,0	98,8	93,2	93,0	98,3	93,5	93,3	98,6	95,1	91,7	91,1	95,3	94,8

CQS: 94,3



COLOR PARAMETERS

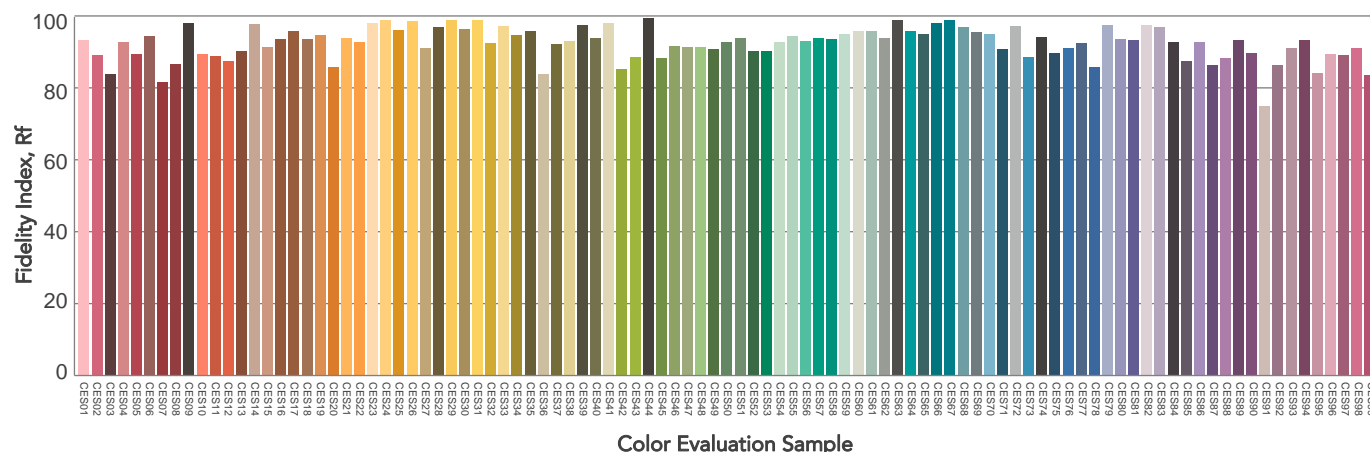
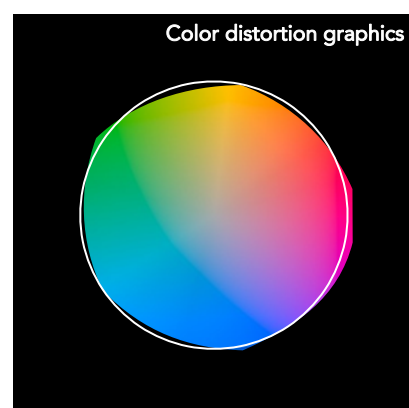
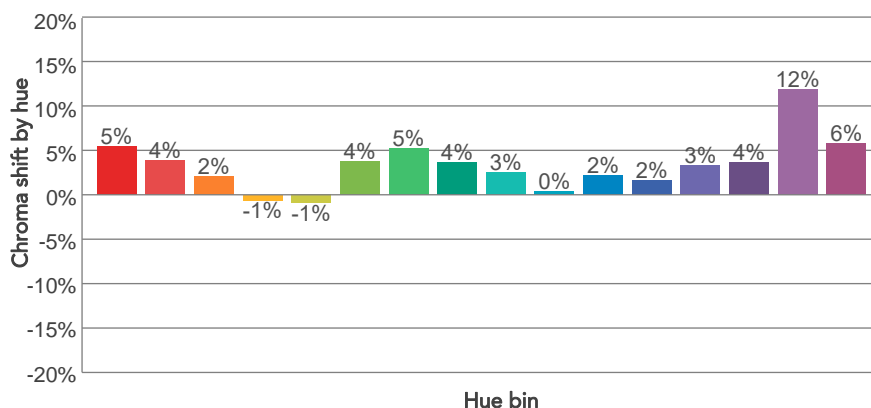
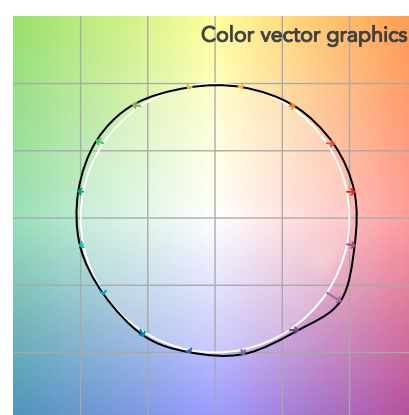
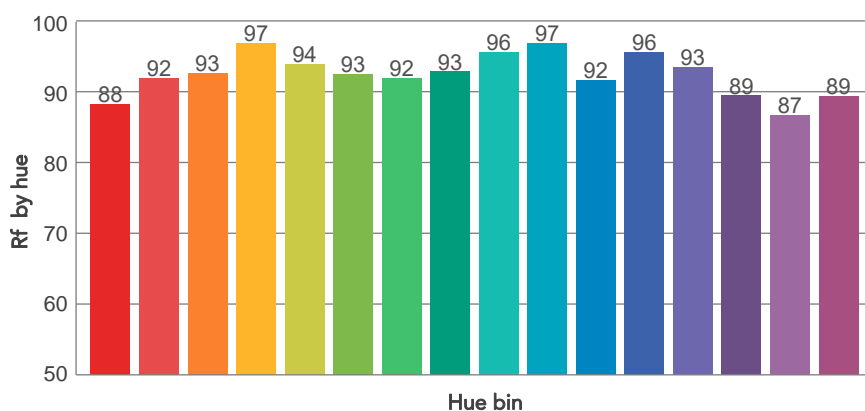
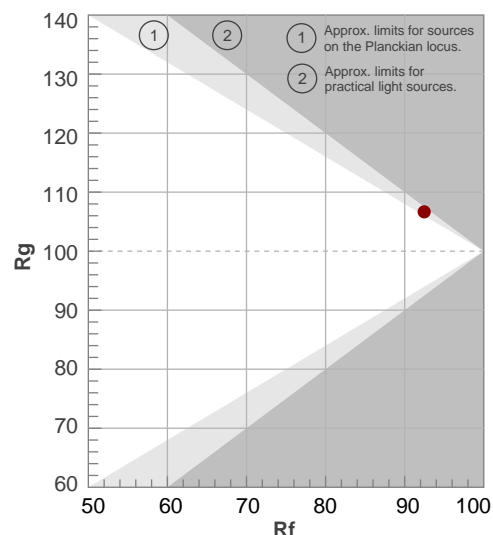
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6046 K	89,9	49,2	92,5	106,7	94,3	94	0,321	0,334	0,0018

TM30 DETAILS

Rf 92,5
Fidelity index Rf

Rg 106,7
Gammut index

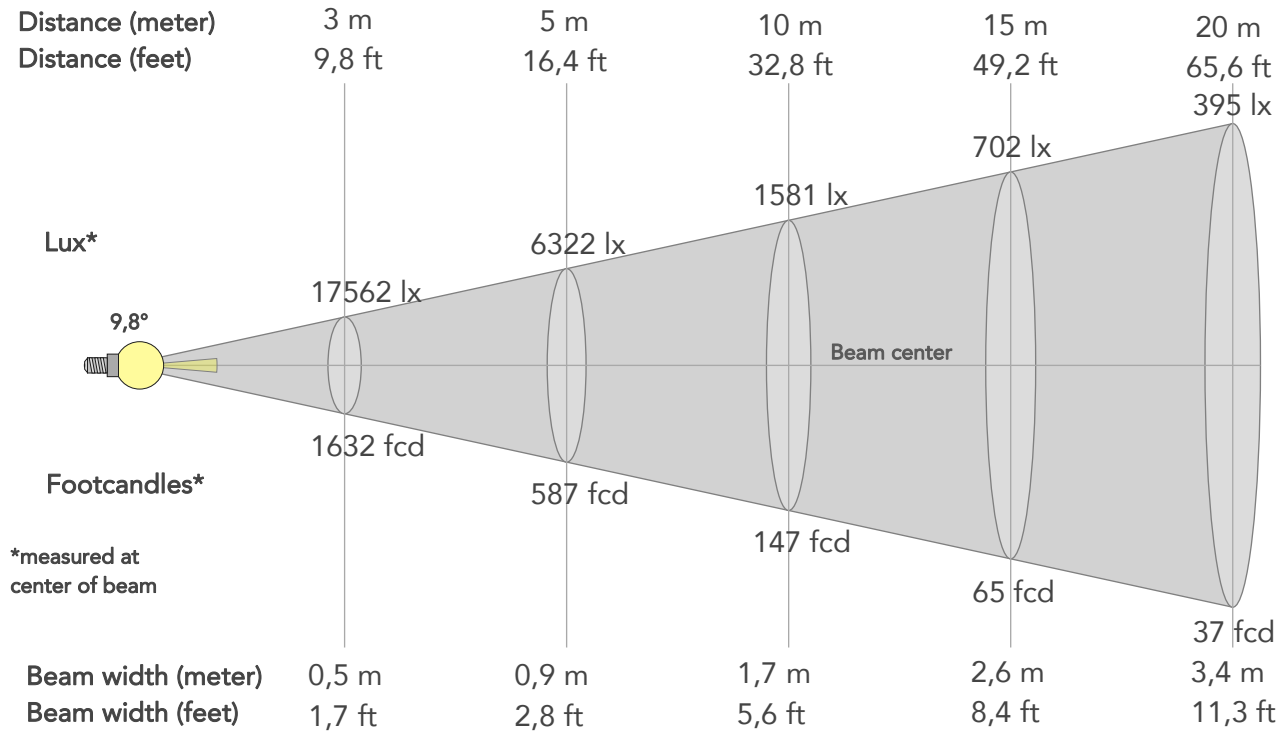
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-1%
2	92	4%	-3%
3	93	2%	-3%
4	97	-1%	-1%
5	94	-1%	1%
6	93	4%	4%
7	92	5%	1%
8	93	4%	0%
9	96	3%	0%
10	97	0%	1%
11	92	2%	4%
12	96	2%	1%
13	93	3%	1%
14	89	4%	5%
15	87	12%	0%
16	89	6%	0%



BEAM DETAILS



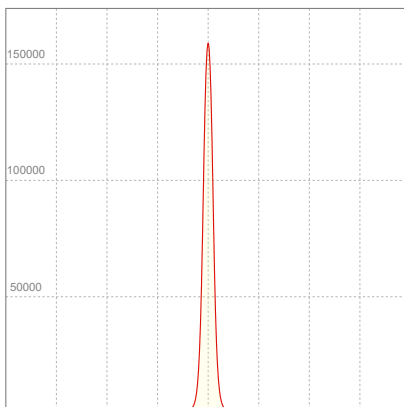
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,8°	18°	24,8°	99,8%	98,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	158056lx	39514lx	17562lx	9879lx	6322lx	2810lx	1581lx	702lx	395lx	253lx	176lx	99lx	63lx
Footcand.	14684fcd	3671fcd	1632fcd	918fcd	587fcd	261fcd	147fcd	65fcd	37fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,4m	4,3m	5,1m	6,9m	8,6m
Beam wid.	0,6ft	1,1ft	1,7ft	2,2ft	2,8ft	4,2ft	5,6ft	8,4ft	11,3ft	14,1ft	16,9ft	22,5ft	28,1ft

LINEAR DISTRIBUTION DIAGRAM

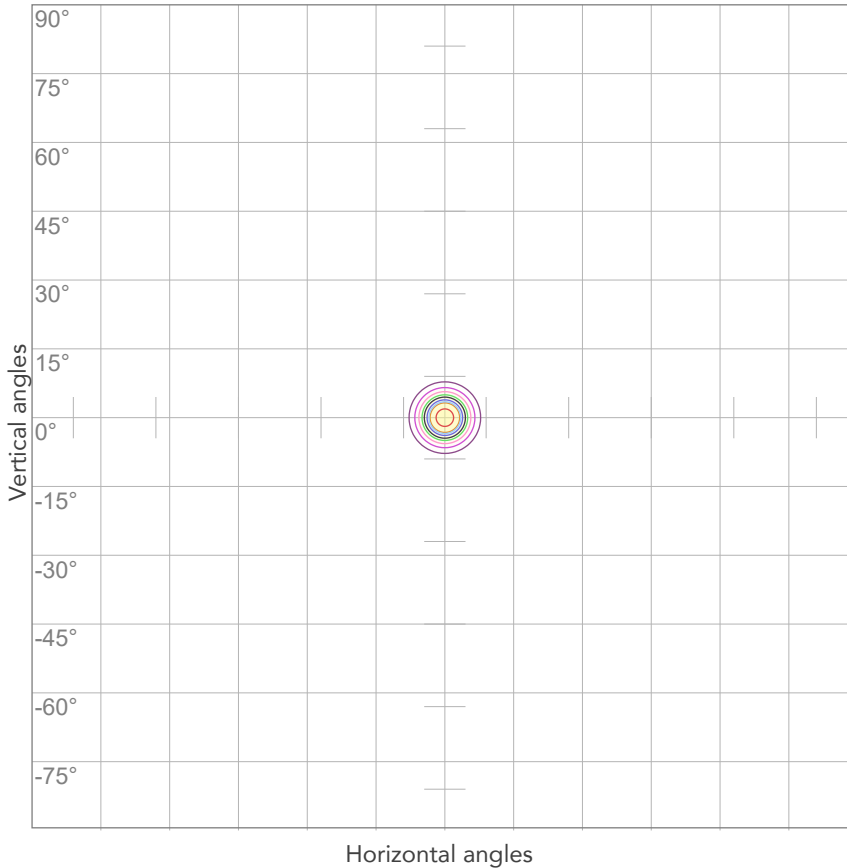


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,77A	397,7W	1,0	15lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



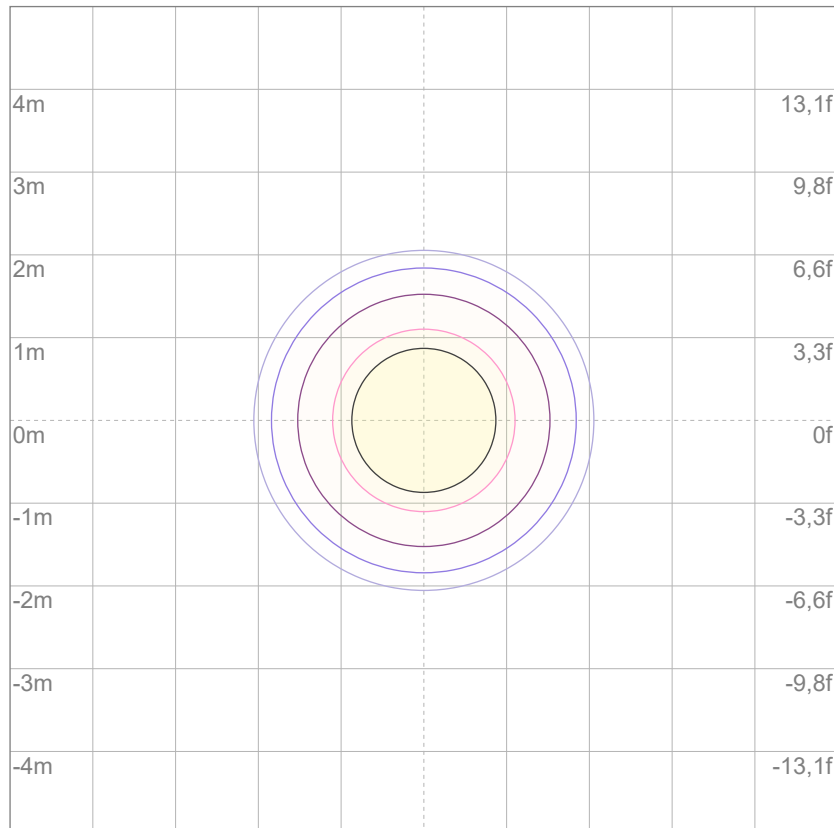
10%	15806 cd
20%	31611 cd
30%	47417 cd
40%	63222 cd
50%	79028 cd
60%	94834 cd
70%	110639 cd
80%	126445 cd

Conditions:

Number of c-planes: 2

Candela at center: 158056 cd

ISO LUX DIAGRAM



3%	47,4 lx
5%	79,0 lx
10%	158 lx
30%	474 lx
50%	790 lx

Conditions:

Number of c-planes: 2

Lux at center: 1581 lx

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