Photometric Test Report

ECLCTPLUS PRL90

High quality six colours full spectrum ellipsoidal LED

CONTENTS

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:

9788 lm

Peak candela output:

7548 cd

Light quality:

CRI: 68,2

Color temperature:

5663 K

PRODUCT NAME:

ECLCTPLUS

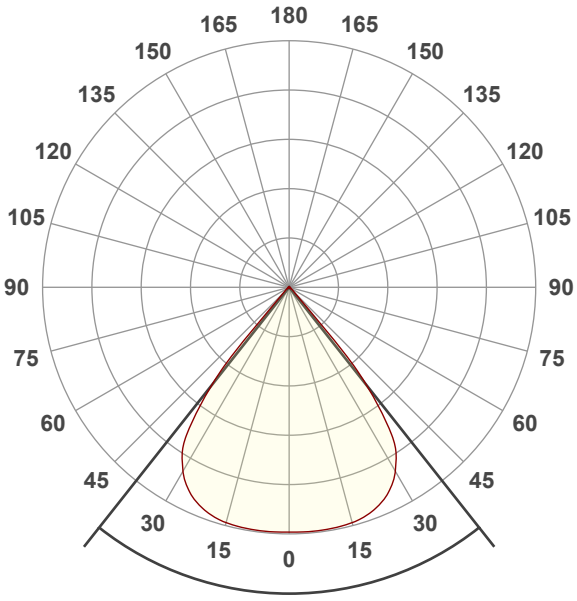
MEASURAMENT CONDITIONS:

Beam angle:
PRL90

Target:
Full On HQ

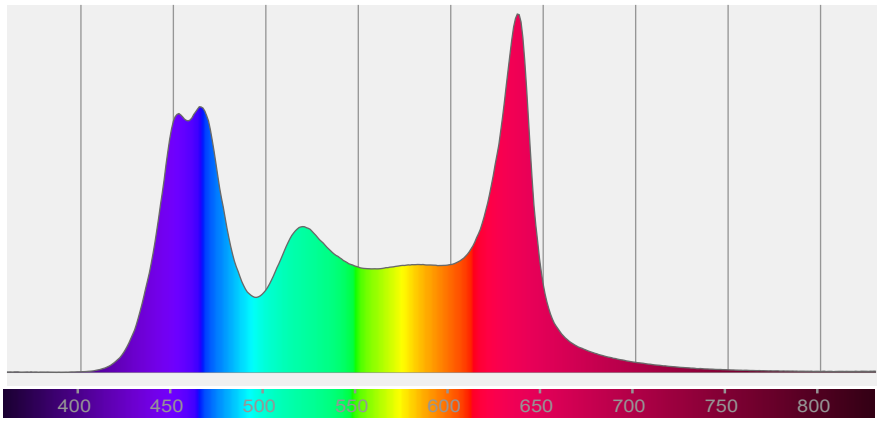
Operator:
Salvatore Giglio

Date and time:
11/04/2024 10:50:02

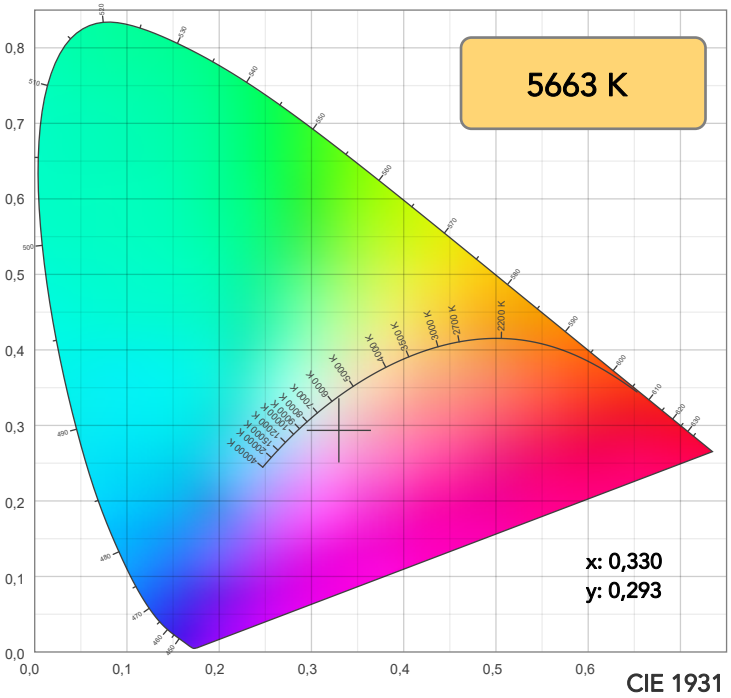


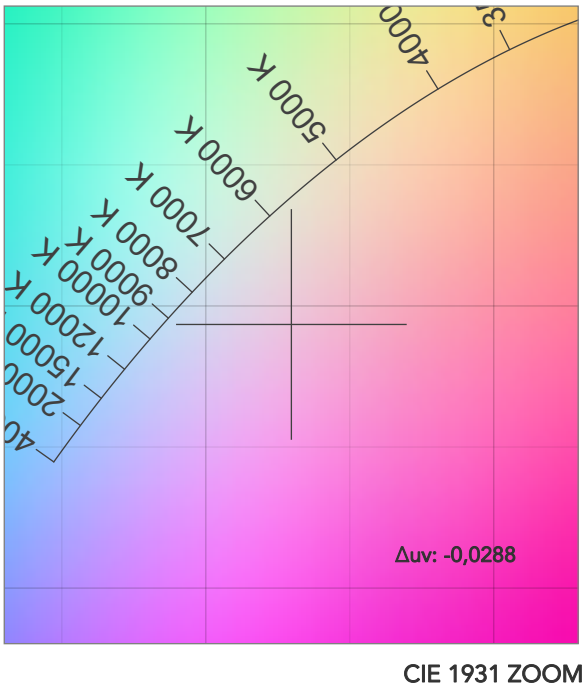
Beam angle 50%: 76,7°
Field angle 10%: 85,9°
Cut off angle 2.5%: 91,2°

Spectra

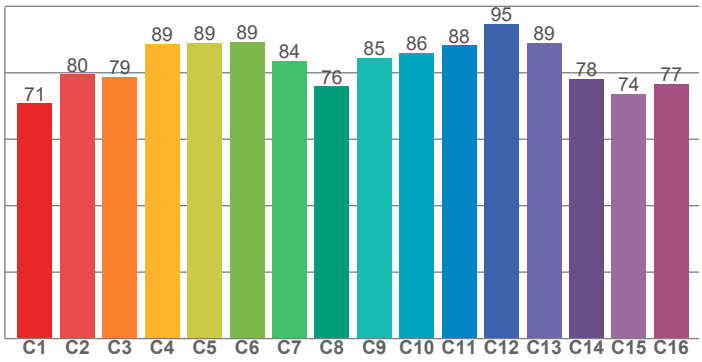


COLOR DETAILS

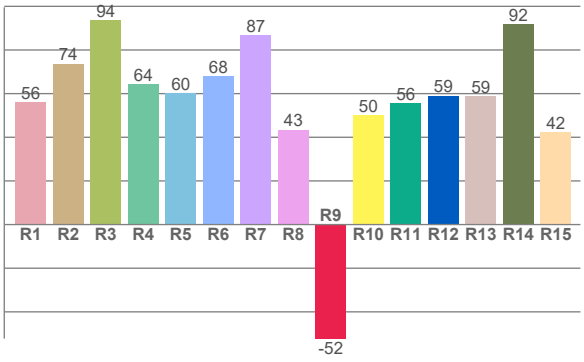




TM30: 83,1



CRI: 68,2 (R1-R8)



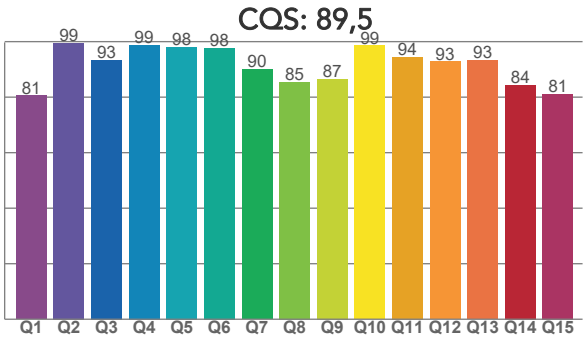
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
55,9	73,6	93,5	64,3	60,1	67,9	86,9	43,5	-52,2	50,1	55,5	59,1	58,7	91,9	42,2

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
70,7	79,6	78,8	88,7	89,1	89,3	83,6	75,9	84,5	86,0	88,2	94,6	89,0	78,1	73,6	76,6

CQS: 89,5



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
80,5	99,5	93,4	98,8	98,0	97,7	90,0	85,4	86,6	98,6	94,5	92,8	93,3	84,4	81,2

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5663 K	68,2	-52,2	83,1	111,9	89,5	80	0,330	0,293	-0,0288

TM30 DETAILS

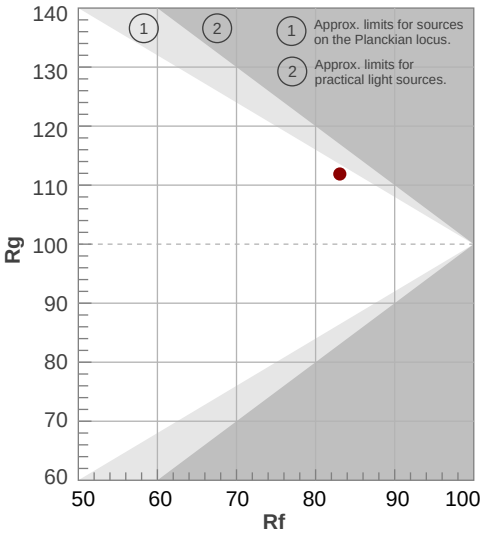
Rf 83,1

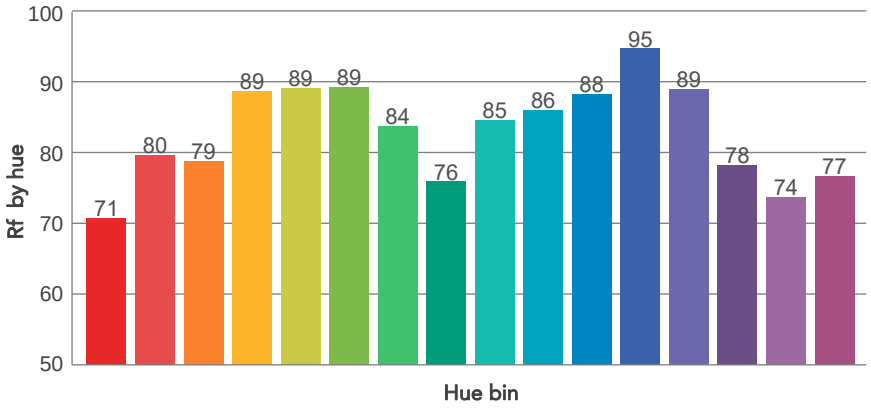
Fidelity index Rf

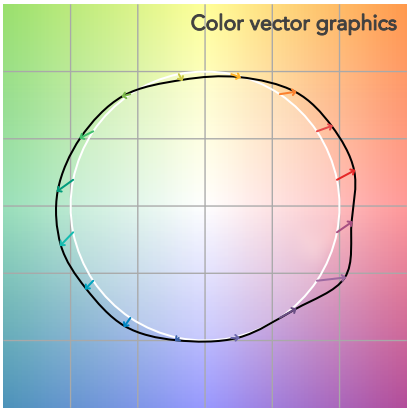
Rg 111,9

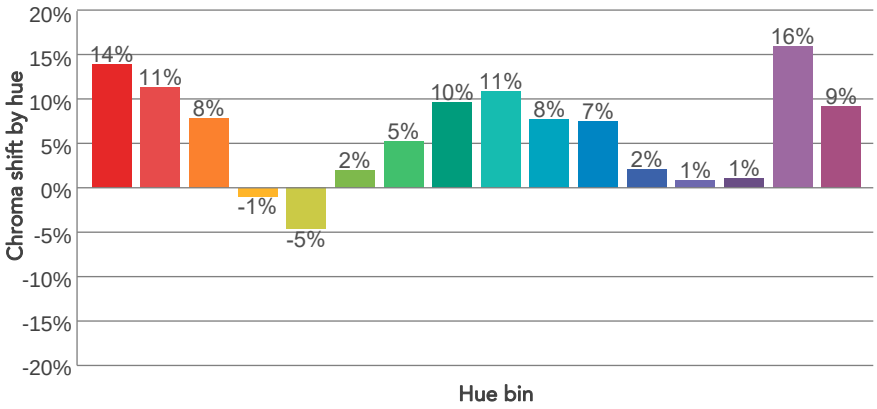
Gamut index

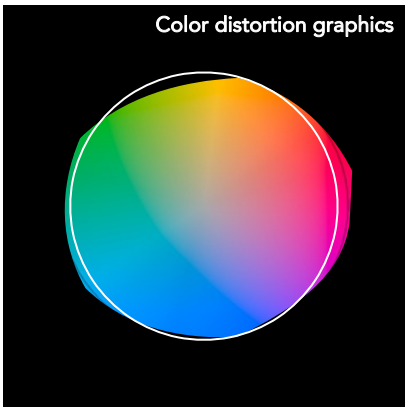
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	71	14%	4%
2	80	11%	-3%
3	79	8%	-9%
4	89	-1%	-7%
5	89	-5%	-1%
6	89	2%	5%
7	84	5%	9%
8	76	10%	10%
9	85	11%	8%
10	86	8%	2%
11	88	7%	0%
12	95	2%	-2%
13	89	1%	5%
14	78	1%	13%
15	74	16%	14%
16	77	9%	9%

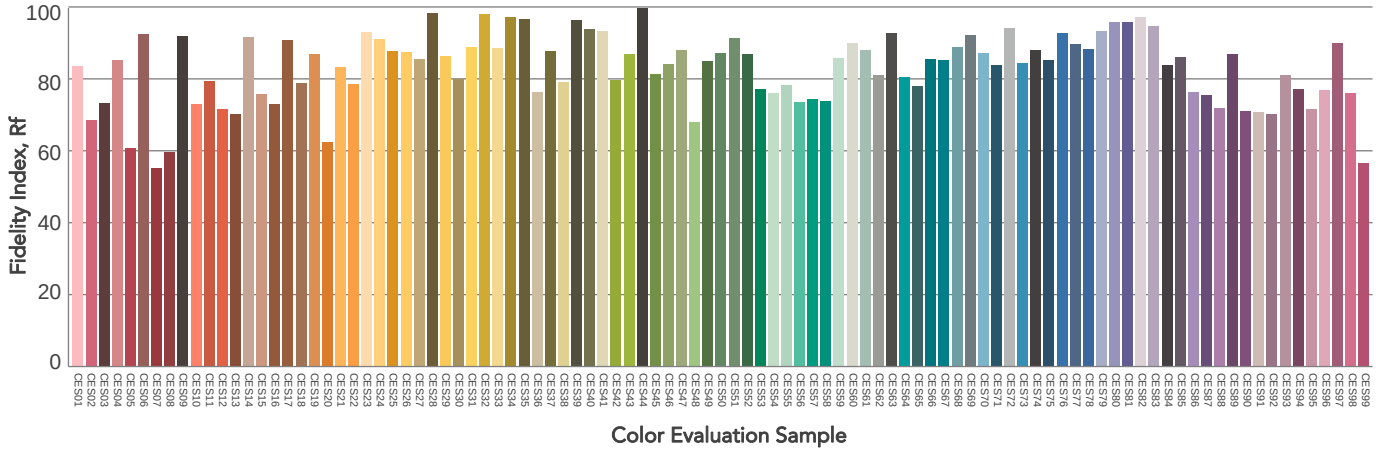












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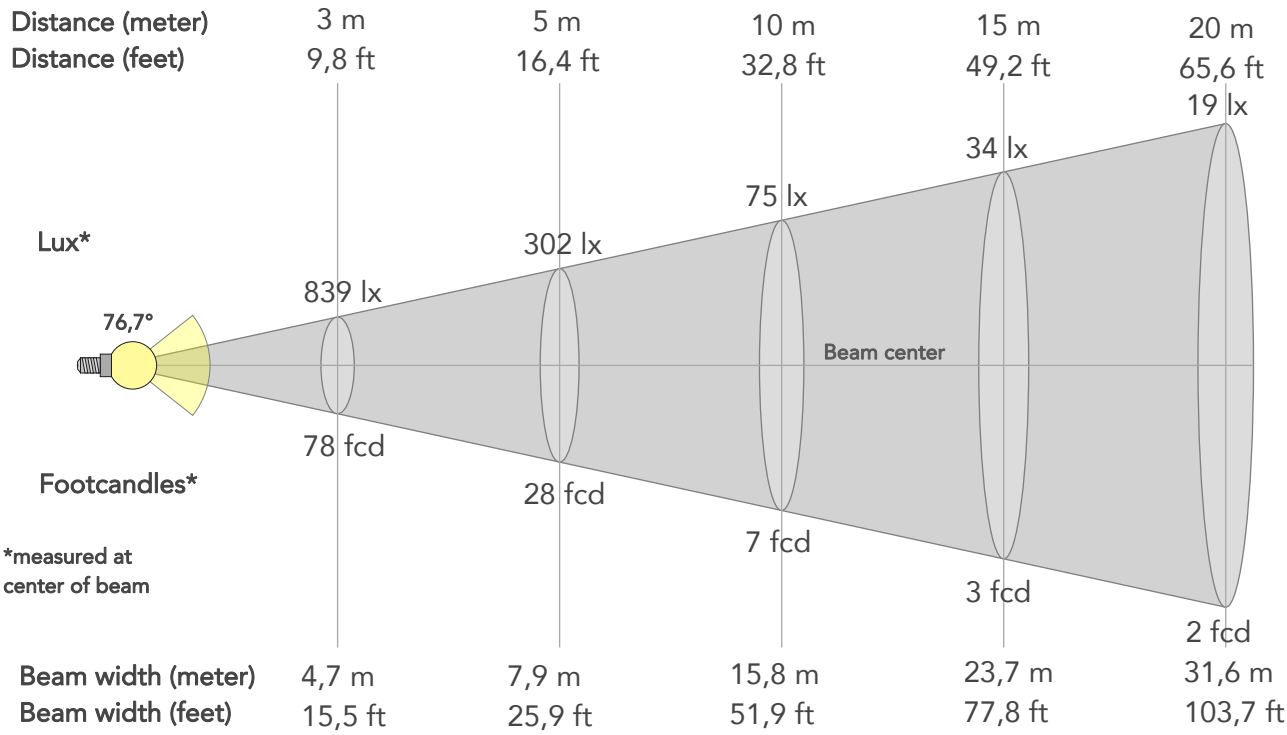
BEAM DETAILS

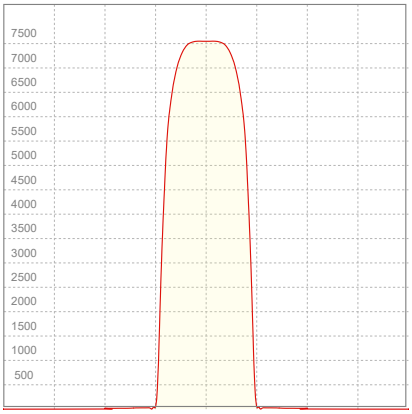
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
76,7°	85,9°	91,2°	99,3%	98,8%



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	7547lx	1887lx	839lx	472lx	302lx	134lx	75lx	34lx	19lx	12lx	8lx	5lx	3lx
Footcand.	701fcd	175fcd	78fcd	44fcd	28fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,7m	6,3m	7,9m	11,9m	15,8m	23,7m	31,6m	39,5m	47,4m	63,3m	79,1m
Beam wid.	5,2ft	10,4ft	15,5ft	20,7ft	25,9ft	38,9ft	51,9ft	77,8ft	103,7ft	129,7ft	155,6ft	207,5ft	259,3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,26A	272,4W	0,96	36lm/W

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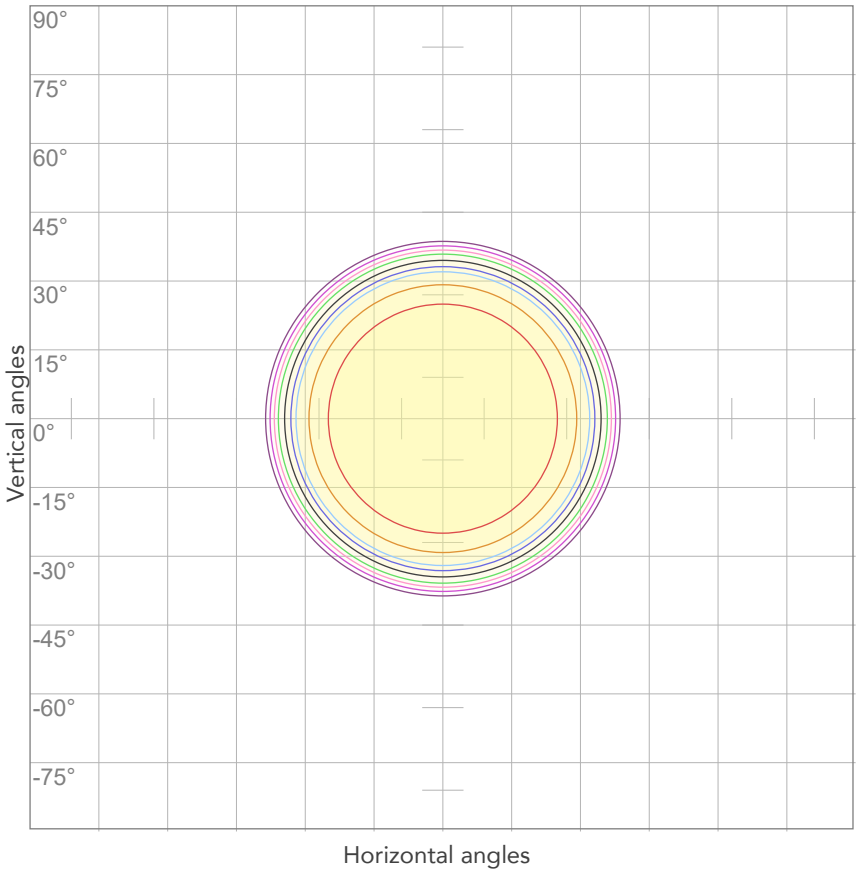
ISO DIAGRAMS

ISO CANDELA DIAGRAM



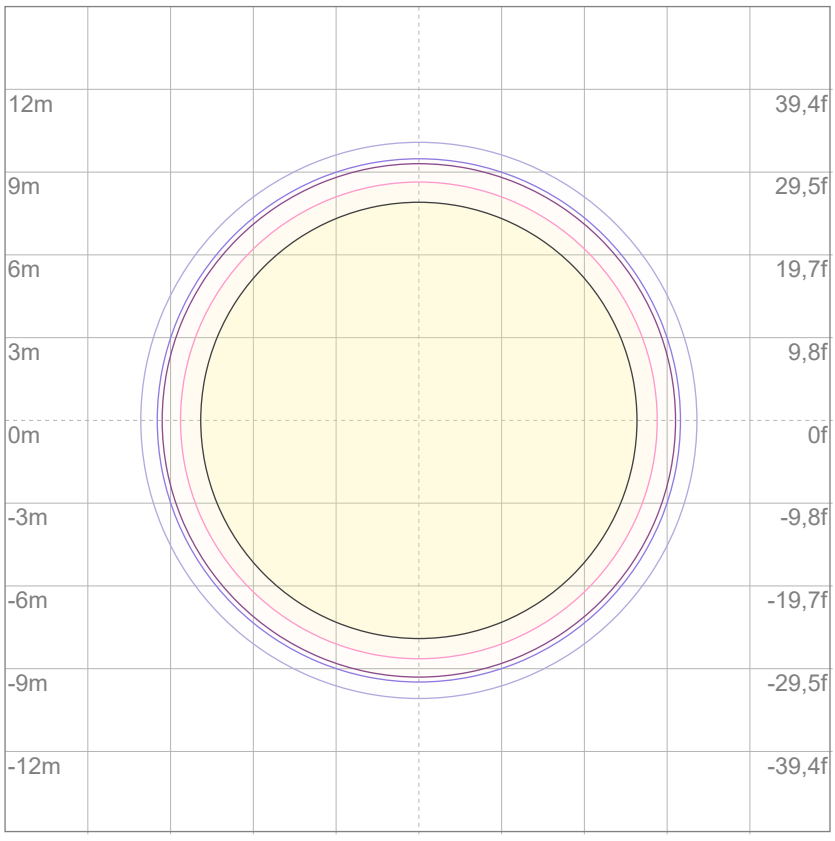
10%	755 cd
20%	1509 cd
30%	2264 cd
40%	3019 cd
50%	3773 cd
60%	4528 cd
70%	5283 cd
80%	6038 cd

Conditions:

Number of c-planes: 2

Candela at center: 7547 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

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

Conditions:

Number of c-planes: 2

Lux at center: 75,5 lx

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

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Total lumen output:

1437 lm

Peak candela output:

1099 cd

PRODUCT NAME:

ECLCTPLUS

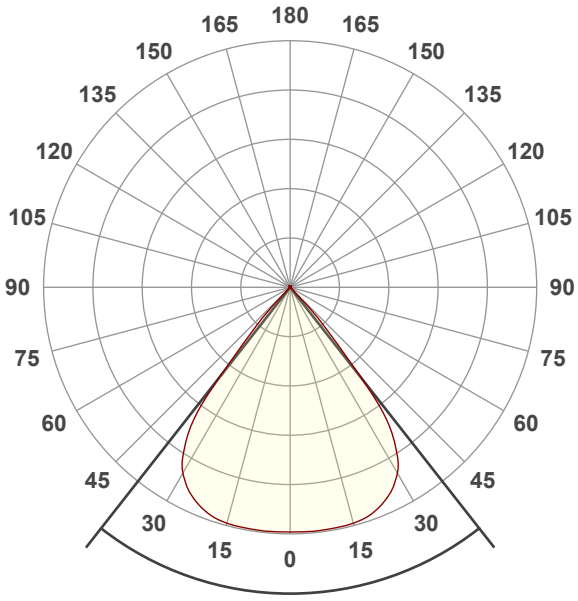
MEASURAMENT CONDITIONS:

Beam angle:
Red

Target:
Full On HQ

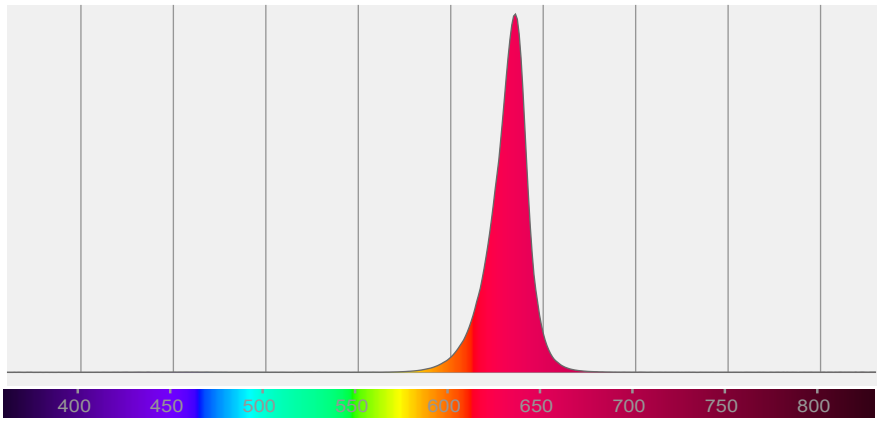
Operator:
Salvatore Giglio

Date and time:
11/04/2024 10:54:17



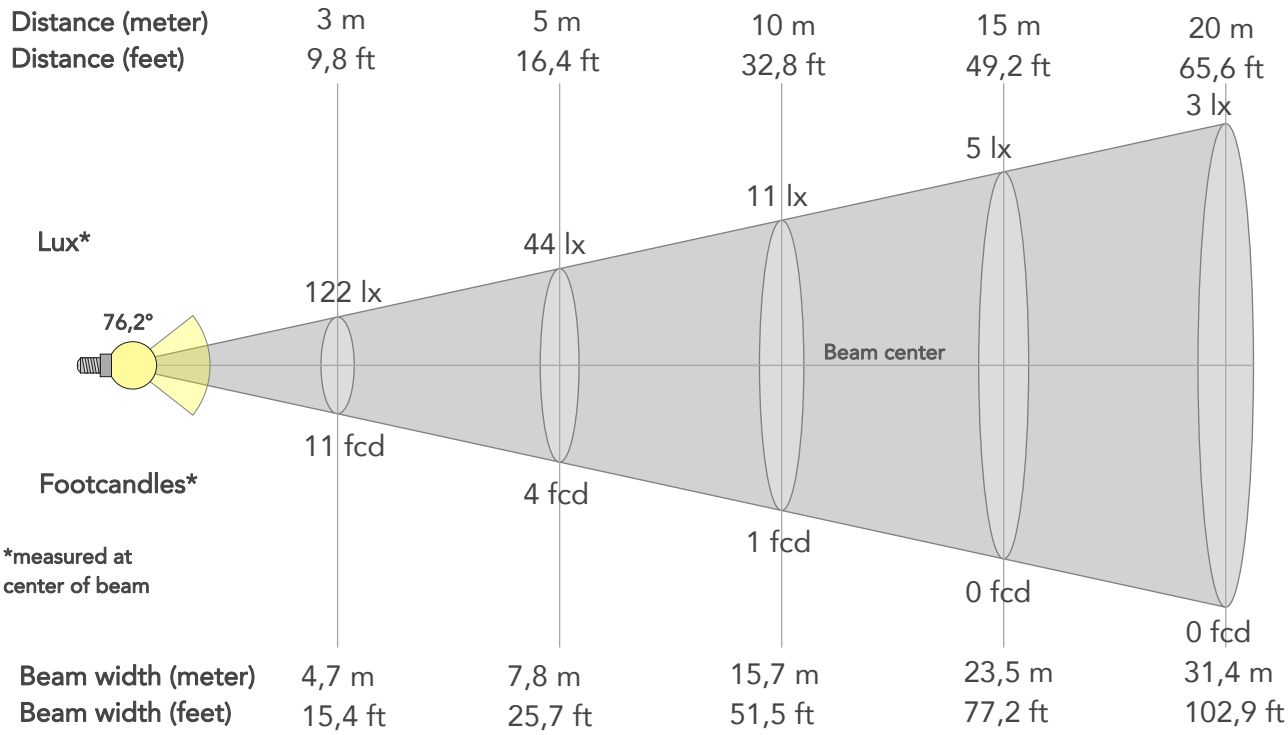
Beam angle 50%: 76,2°
Field angle 10%: 87,4°
Cut off angle 2.5%: 90,8°

Spectra



BEAM DETAILS

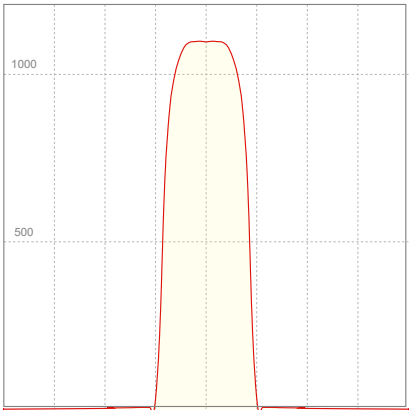
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
76,2°	87,4°	90,8°	98,5%	98,0%



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	1097lx	274lx	122lx	69lx	44lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	102fcd	25fcd	11fcd	6fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,1m	4,7m	6,3m	7,8m	11,8m	15,7m	23,5m	31,4m	39,2m	47,1m	62,8m	78,4m
Beam wid.	5,2ft	10,4ft	15,4ft	20,6ft	25,7ft	38,6ft	51,5ft	77,2ft	102,9ft	128,6ft	154,4ft	205,8ft	257,3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,310A	47,9W	0,68	30lm/W

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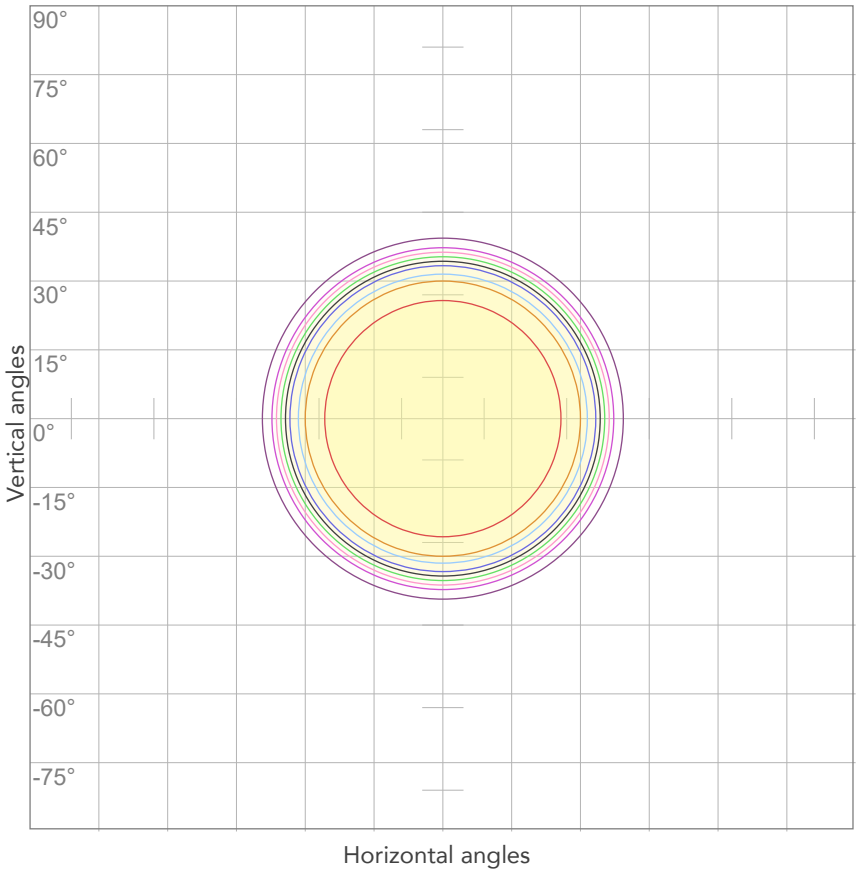
ISO DIAGRAMS

ISO CANDELA DIAGRAM



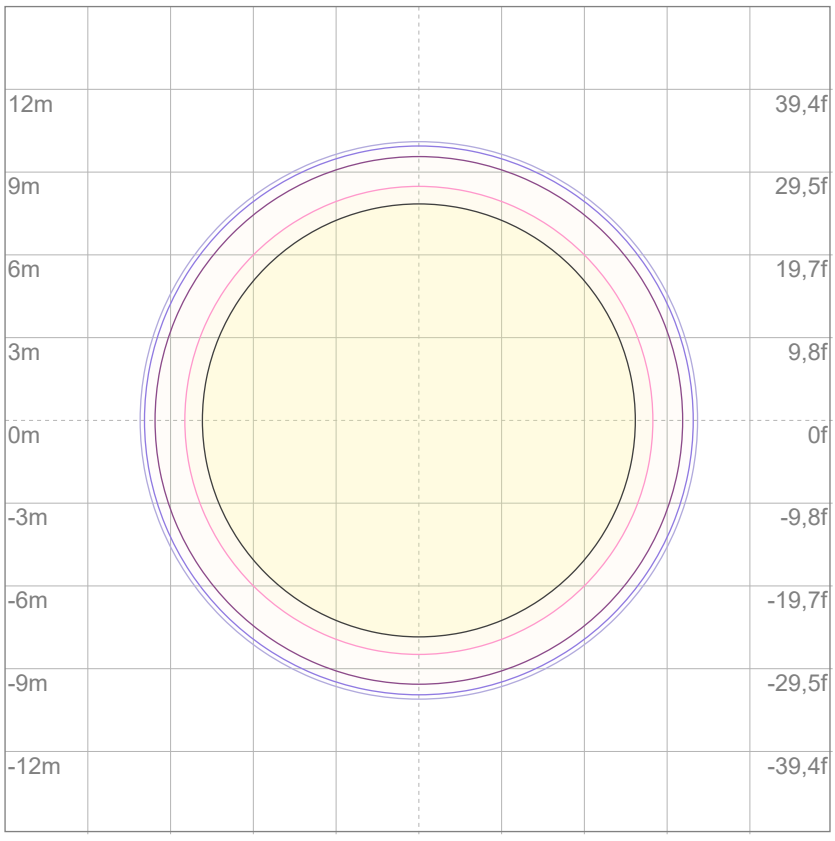
10%	110 cd
20%	219 cd
30%	329 cd
40%	439 cd
50%	549 cd
60%	658 cd
70%	768 cd
80%	878 cd

Conditions:

Number of c-planes: 2

Candela at center: 1097 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,329 lx
5%	0,549 lx
10%	1,10 lx
30%	3,29 lx
50%	5,49 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,0 lx

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

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Total lumen output:

1658 lm

Peak candela output:

1360 cd

PRODUCT NAME:

ECLCTPLUS

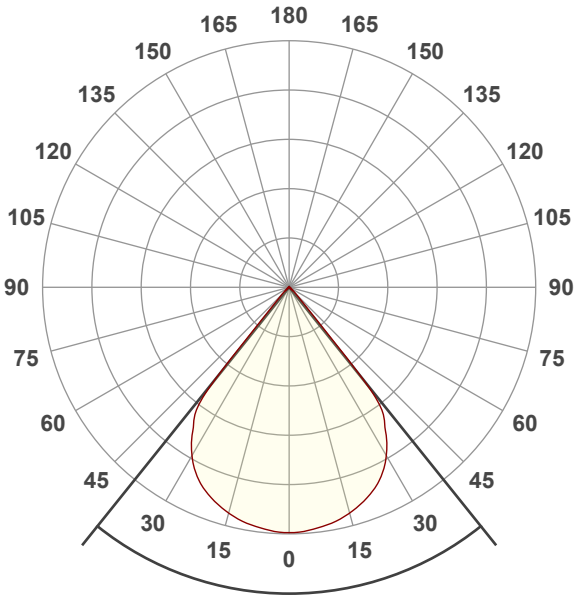
MEASURAMENT CONDITIONS:

Beam angle:
Green

Target:
Full On HQ

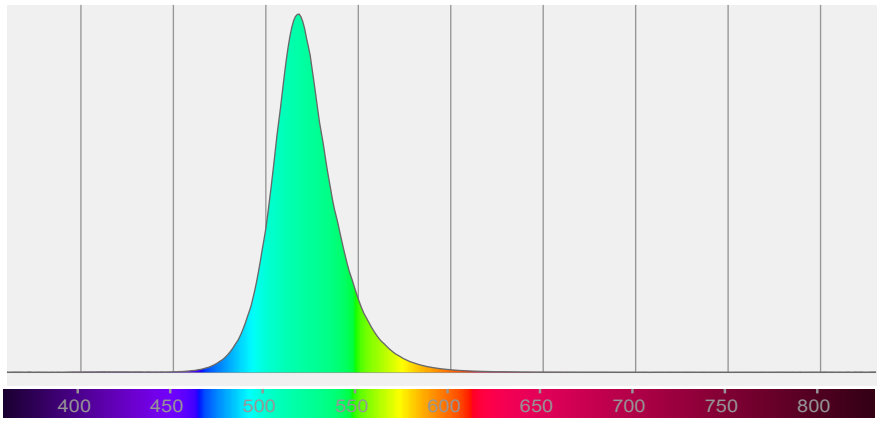
Operator:
Salvatore Giglio

Date and time:
11/04/2024 10:57:44



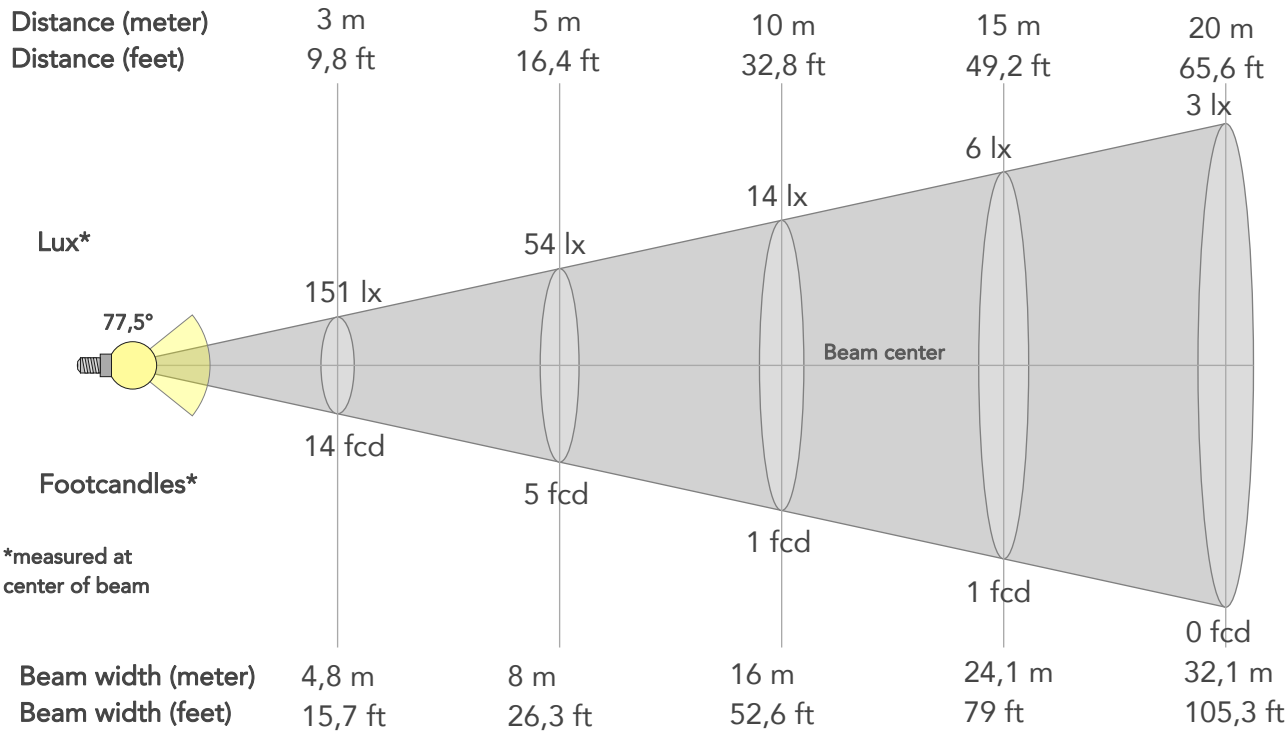
Beam angle 50%: 77,5°
Field angle 10%: 84,6°
Cut off angle 2.5%: 90,4°

Spectra



BEAM DETAILS

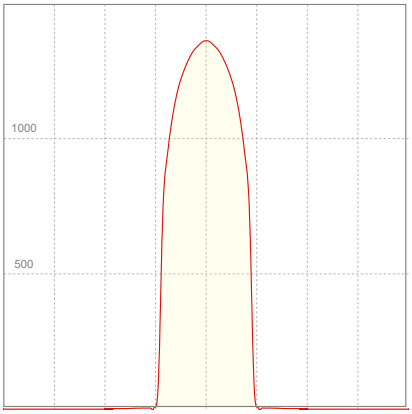
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,5°	84,6°	90,4°	99,6%	99,2%



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	1360lx	340lx	151lx	85lx	54lx	24lx	14lx	6lx	3lx	2lx	2lx	1lx	1lx
Footcand.	126fcd	32fcd	14fcd	8fcd	5fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	12m	16m	24,1m	32,1m	40,1m	48,1m	64,2m	80,2m
Beam wid.	5,3ft	10,6ft	15,7ft	21ft	26,3ft	39,5ft	52,6ft	79ft	105,3ft	131,6ft	157,9ft	210,6ft	263,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,314A	49,0W	0,69	34lm/W

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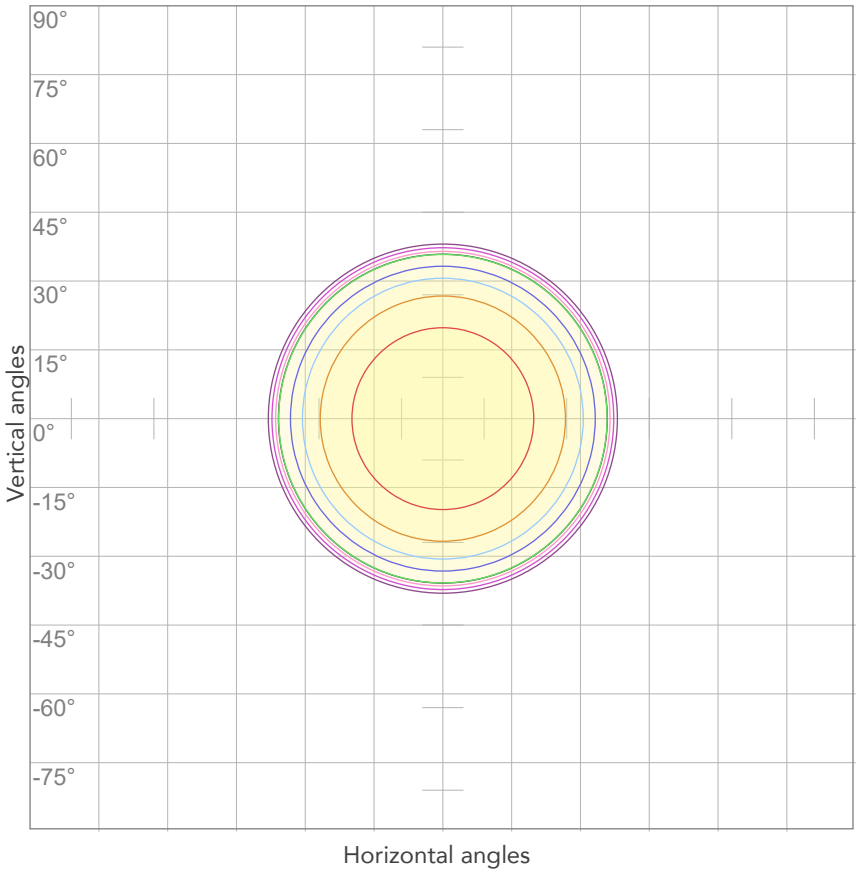
ISO DIAGRAMS

ISO CANDELA DIAGRAM



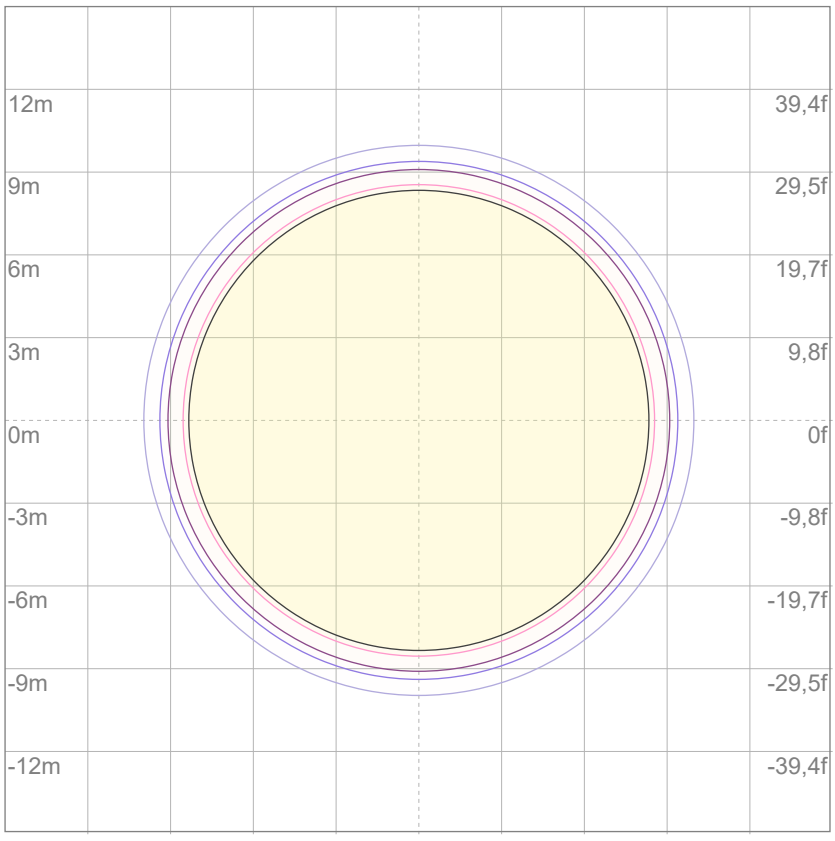
10%	136 cd
20%	272 cd
30%	408 cd
40%	544 cd
50%	680 cd
60%	816 cd
70%	952 cd
80%	1088 cd

Conditions:

Number of c-planes: 2

Candela at center: 1360 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,408 lx
5%	0,680 lx
10%	1,36 lx
30%	4,08 lx
50%	6,80 lx

Conditions:

Number of c-planes: 2

Lux at center: 13,6 lx

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

Total lumen output:

710 lm

Peak candela output:

538 cd

PRODUCT NAME:

ECLCTPLUS

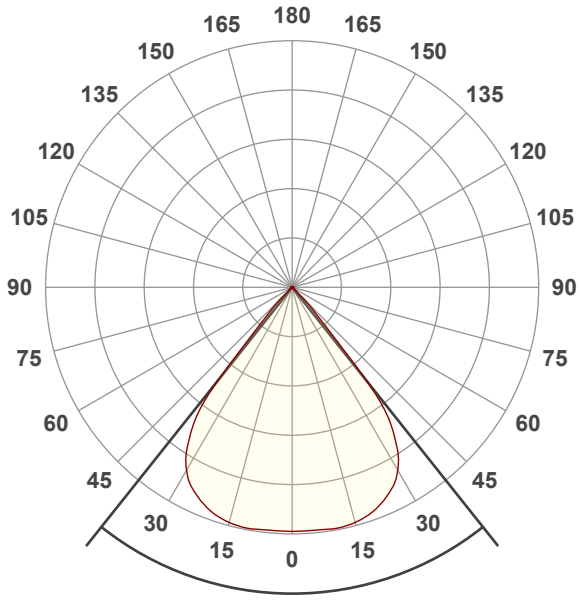
MEASURAMENT CONDITIONS:

Beam angle:
Blue

Target:
Full On HQ

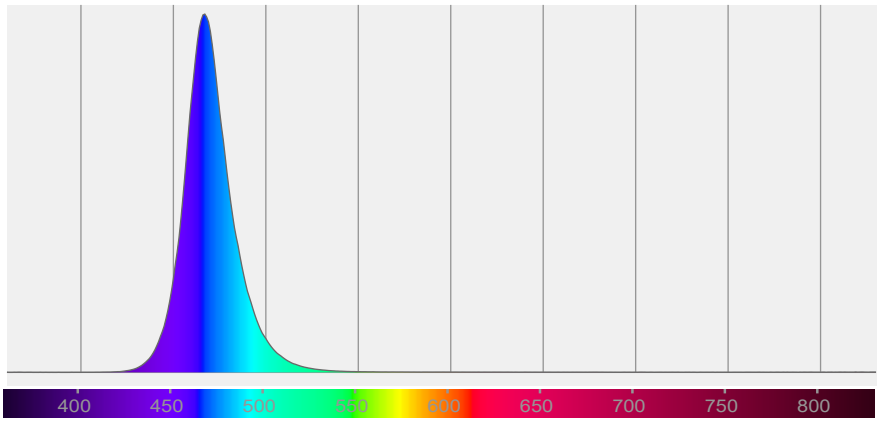
Operator:
Salvatore Giglio

Date and time:
11/04/2024 10:59:22



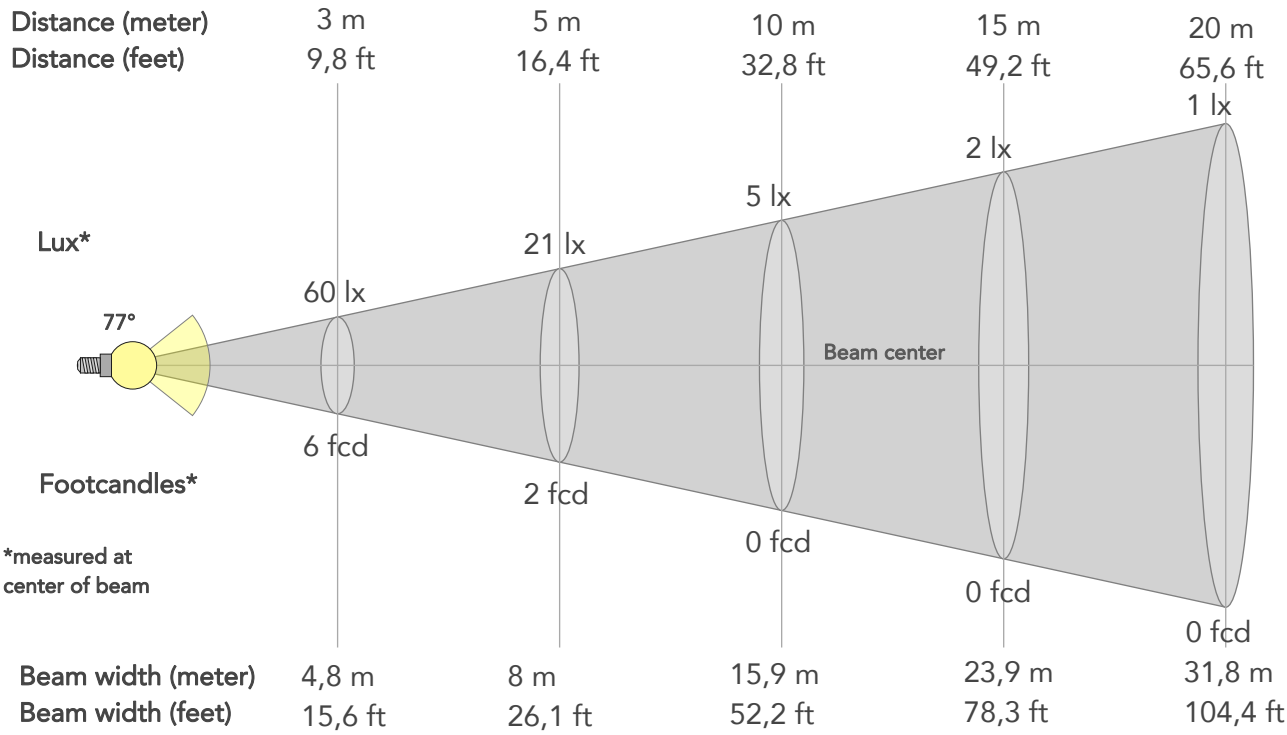
Beam angle 50%: 77°
Field angle 10%: 87°
Cut off angle 2.5%: 91,8°

Spectra



BEAM DETAILS

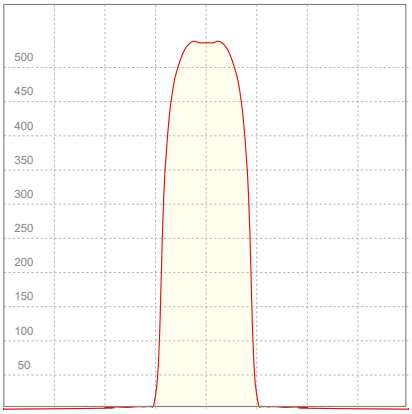
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77°	87°	91,8°	97,9%	97,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	536lx	134lx	60lx	34lx	21lx	10lx	5lx	2lx	1lx	1lx	1lx	0lx	0lx
Footcand.	50fcd	12fcd	6fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	11,9m	15,9m	23,9m	31,8m	39,8m	47,8m	63,7m	79,6m
Beam wid.	5,3ft	10,5ft	15,6ft	20,9ft	26,1ft	39,2ft	52,2ft	78,3ft	104,4ft	130,6ft	156,7ft	208,9ft	261,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,365A	62,3W	0,75	11lm/W

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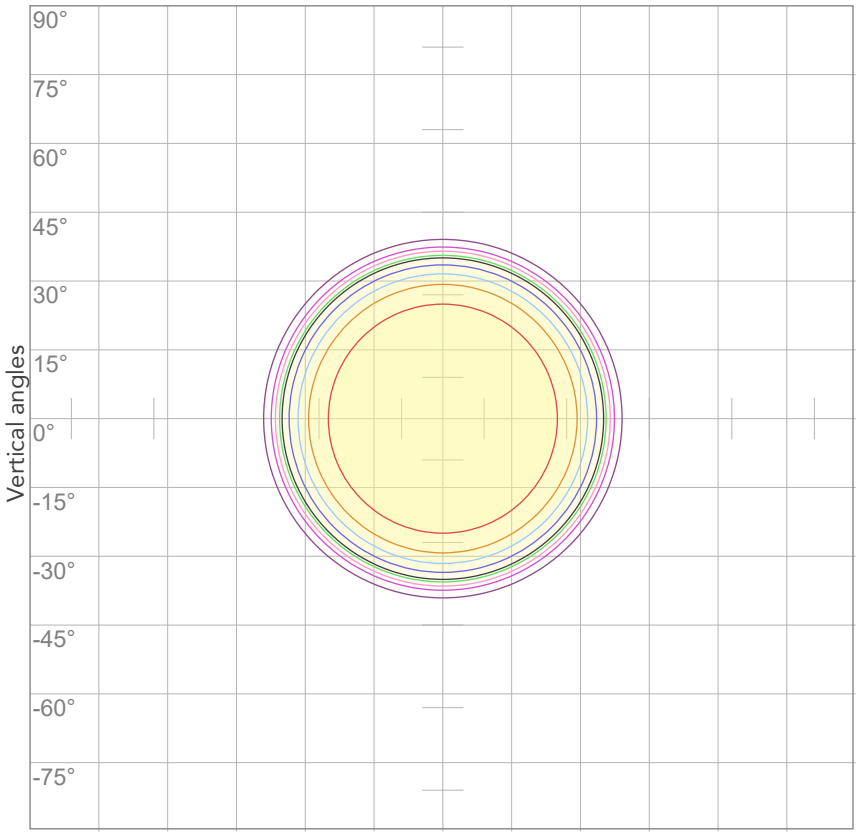
ISO DIAGRAMS

ISO CANDELA DIAGRAM



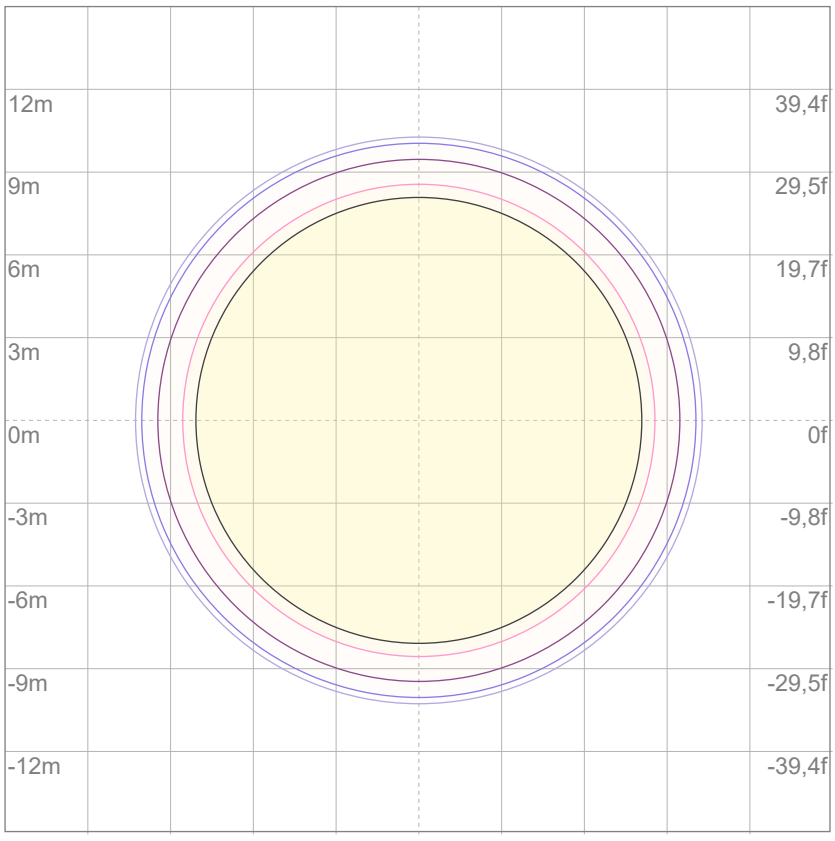
10%	54 cd
20%	107 cd
30%	161 cd
40%	214 cd
50%	268 cd
60%	322 cd
70%	375 cd
80%	429 cd

Conditions:

Number of c-planes: 2

Candela at center: 536 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,161 lx
5%	0,268 lx
10%	0,536 lx
30%	1,61 lx
50%	2,68 lx

Conditions:

Number of c-planes: 2

Lux at center: 5,36 lx

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

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Total lumen output:

1468 lm

Peak candela output:

1157 cd

PRODUCT NAME:

ECLCTPLUS

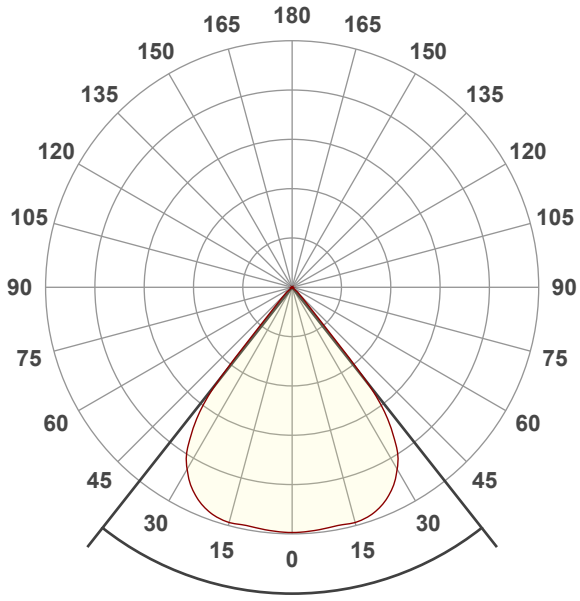
MEASURAMENT CONDITIONS:

Beam angle:
Amber

Target:
Full On HQ

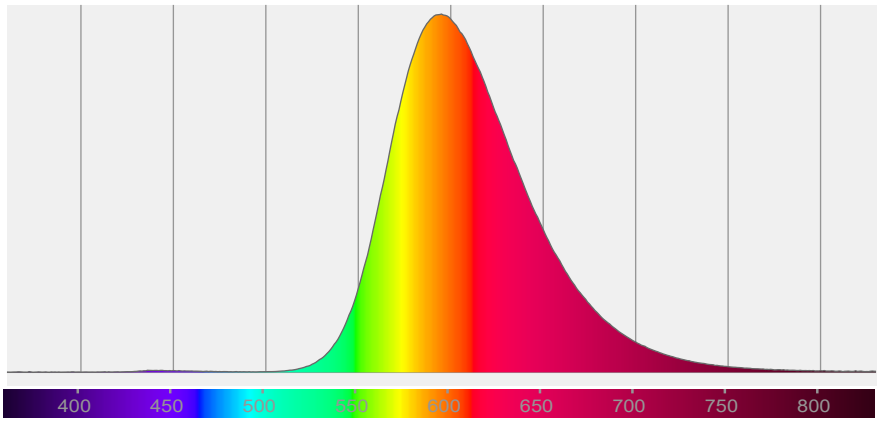
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:01:19



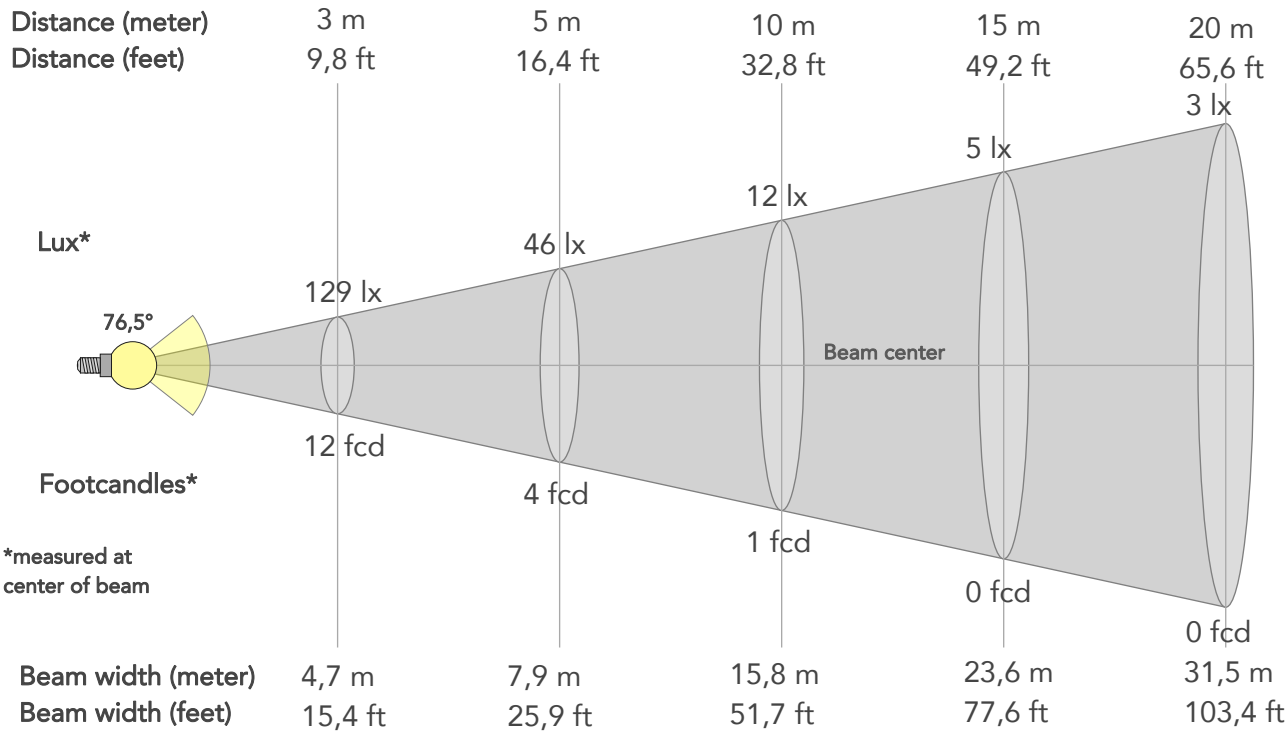
Beam angle 50%: 76,5°
Field angle 10%: 84,1°
Cut off angle 2.5%: 90,8°

Spectra



BEAM DETAILS

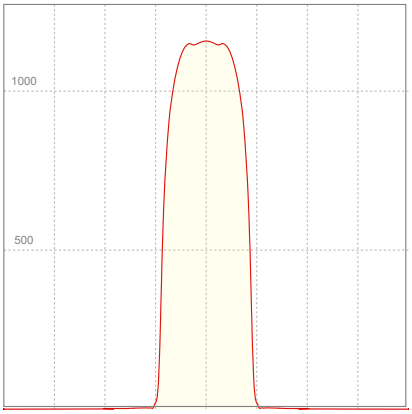
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
76,5°	84,1°	90,8°	99,3%	98,9%



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	1157lx	289lx	129lx	72lx	46lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	107fcd	27fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,7m	6,3m	7,9m	11,8m	15,8m	23,6m	31,5m	39,4m	47,3m	63,1m	78,8m
Beam wid.	5,2ft	10,4ft	15,4ft	20,7ft	25,9ft	38,8ft	51,7ft	77,6ft	103,4ft	129,3ft	155,1ft	206,8ft	258,5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,321A	50,9W	0,7	29lm/W

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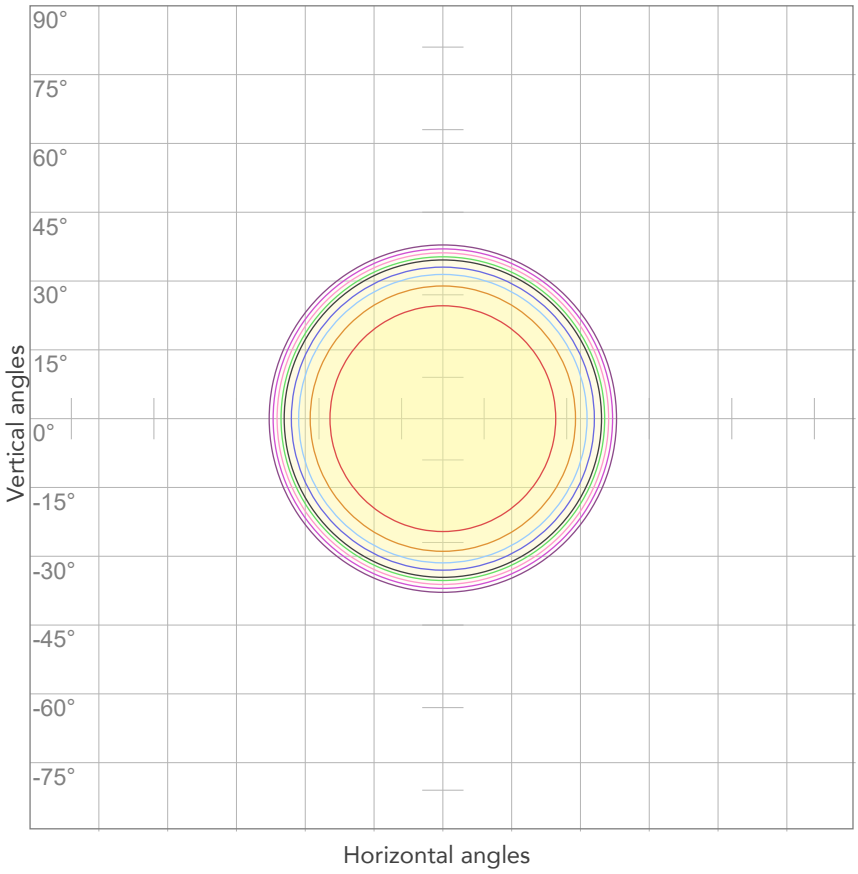
ISO DIAGRAMS

ISO CANDELA DIAGRAM



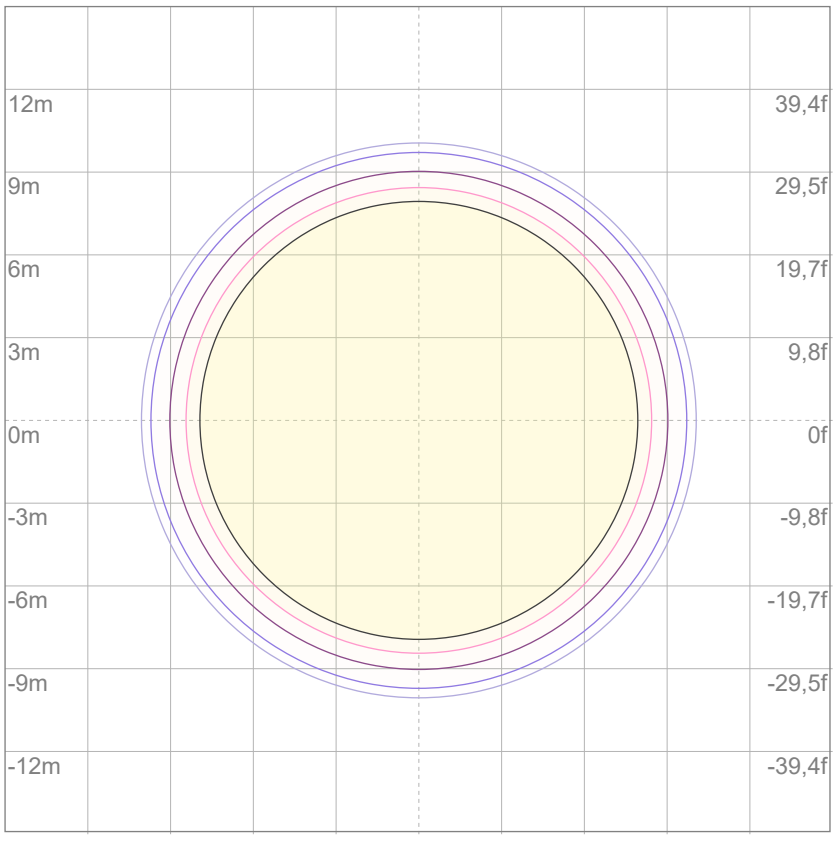
10%	116 cd
20%	231 cd
30%	347 cd
40%	463 cd
50%	578 cd
60%	694 cd
70%	810 cd
80%	925 cd

Conditions:

Number of c-planes: 2

Candela at center: 1157 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,347 lx
5%	0,578 lx
10%	1,16 lx
30%	3,47 lx
50%	5,78 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,6 lx

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

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Total lumen output:

5237 lm

Peak candela output:

3985 cd

PRODUCT NAME:

ECLCTPLUS

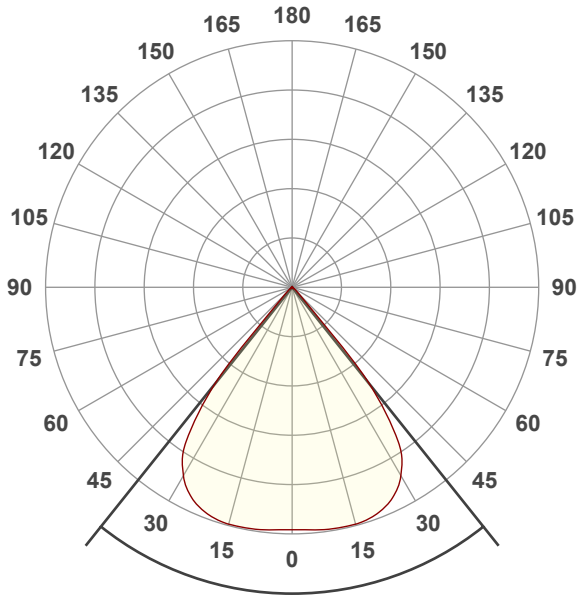
MEASURAMENT CONDITIONS:

Beam angle:
Mint

Target:
Full On HQ

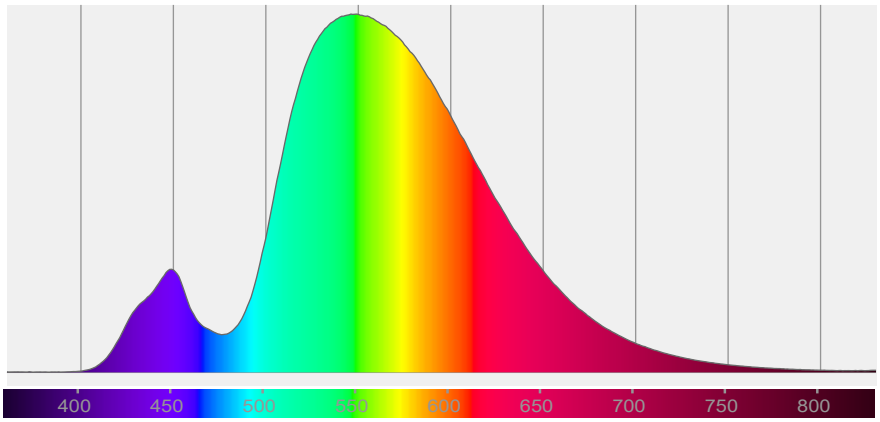
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:02:39



Beam angle 50%: 77,2°
Field angle 10%: 85,6°
Cut off angle 2.5%: 91,3°

Spectra



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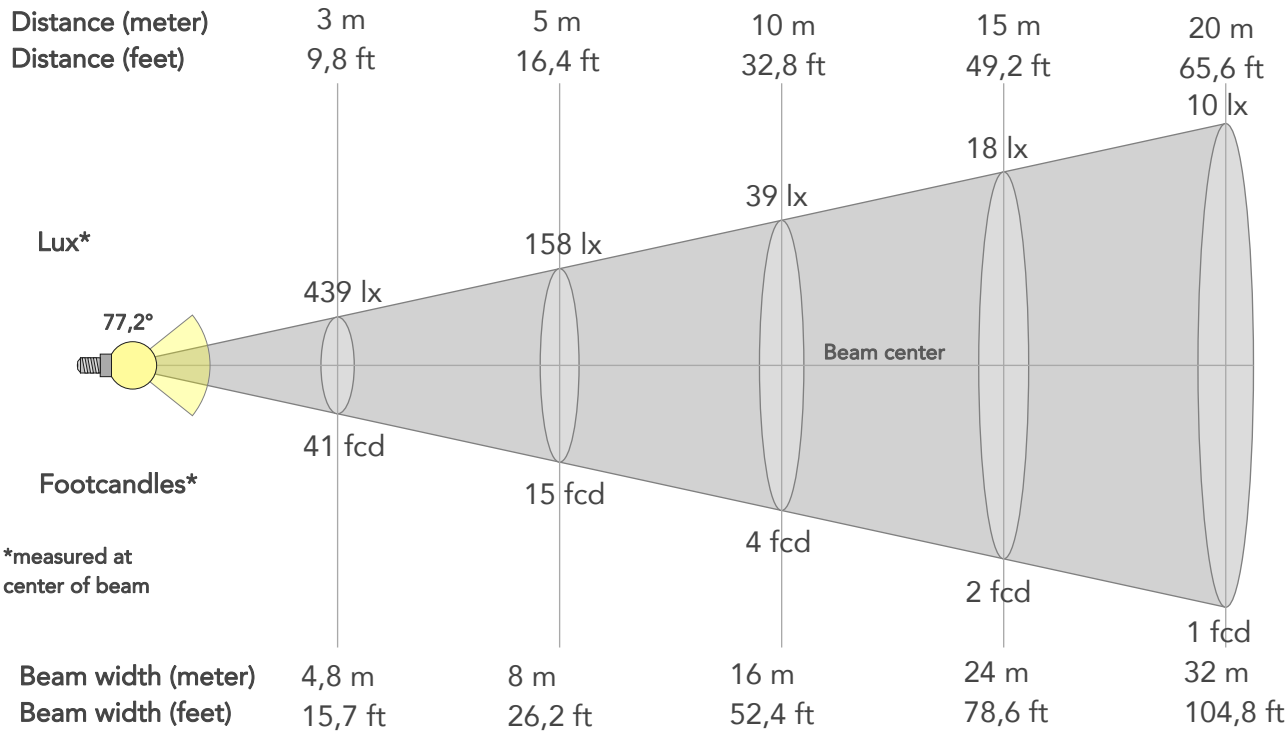
BEAM DETAILS

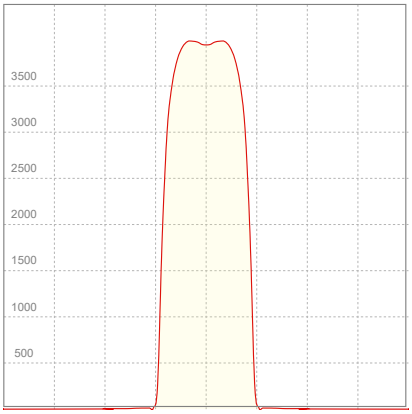
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,2°	85,6°	91,3°	99,4%	99,2%



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	3948lx	987lx	439lx	247lx	158lx	70lx	39lx	18lx	10lx	6lx	4lx	2lx	2lx
Footcand.	367fcd	92fcd	41fcd	23fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	12m	16m	24m	32m	39,9m	47,9m	63,9m	79,9m
Beam wid.	5,3ft	10,5ft	15,7ft	20,9ft	26,2ft	39,3ft	52,4ft	78,6ft	104,8ft	131ft	157,2ft	209,7ft	262,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,501A	96,3W	0,84	54lm/W

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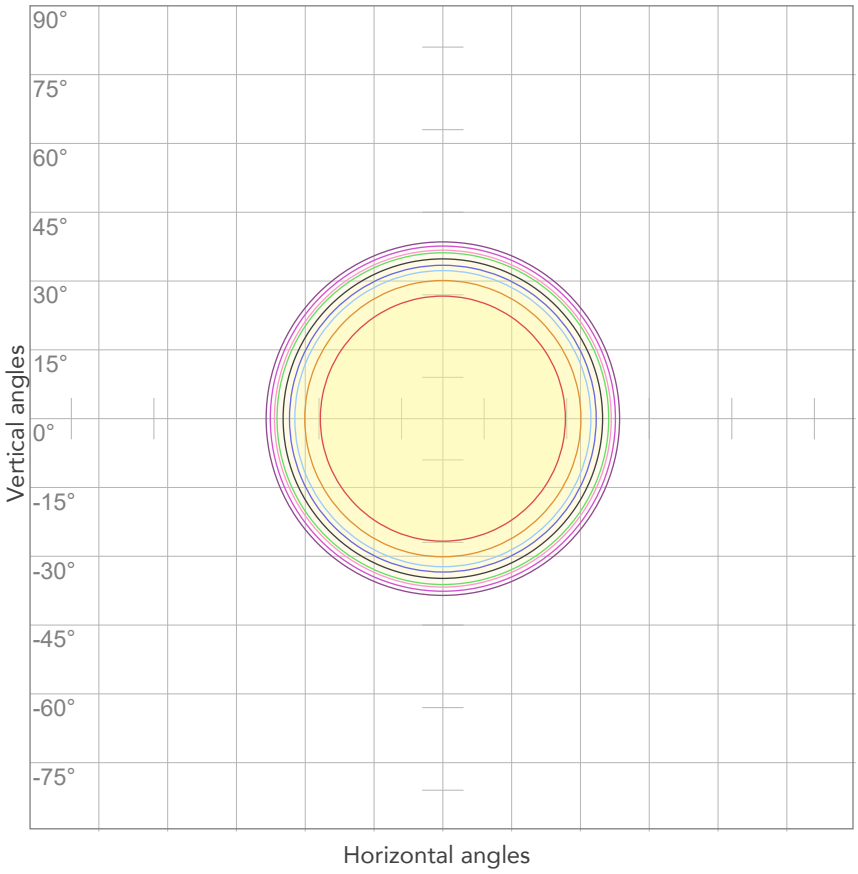
ISO DIAGRAMS

ISO CANDELA DIAGRAM



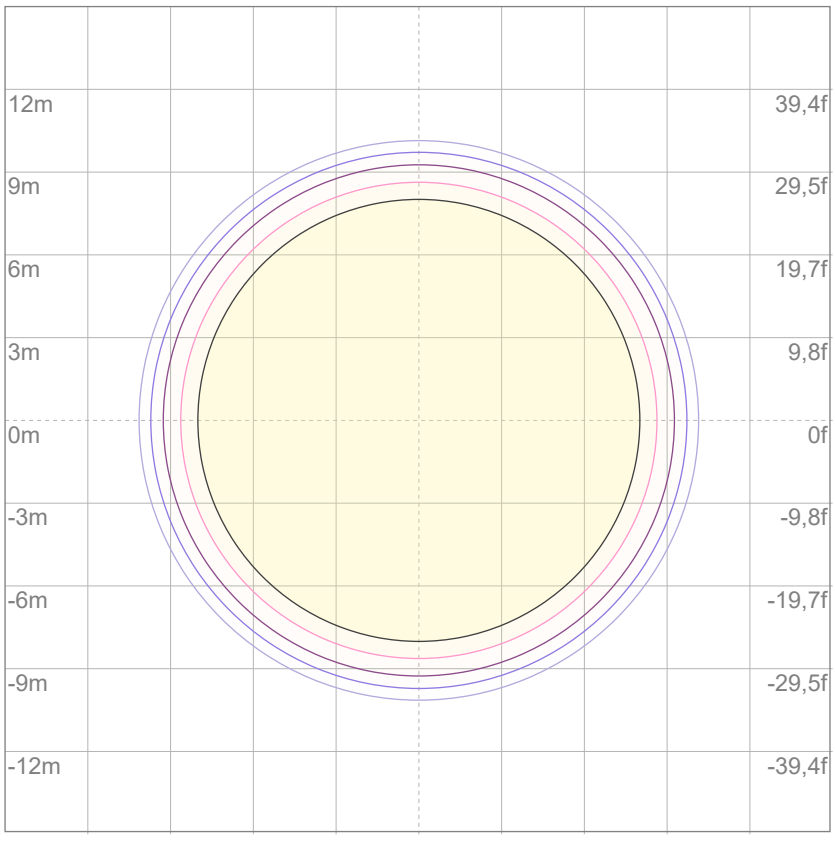
10%	395 cd
20%	790 cd
30%	1184 cd
40%	1579 cd
50%	1974 cd
60%	2369 cd
70%	2764 cd
80%	3159 cd

Conditions:

Number of c-planes: 2

Candela at center: 3948 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,18 lx
5%	1,97 lx
10%	3,95 lx
30%	11,8 lx
50%	19,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 39,5 lx

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

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Total lumen output:

180 lm

Peak candela output:

140 cd

PRODUCT NAME:

ECLCTPLUS

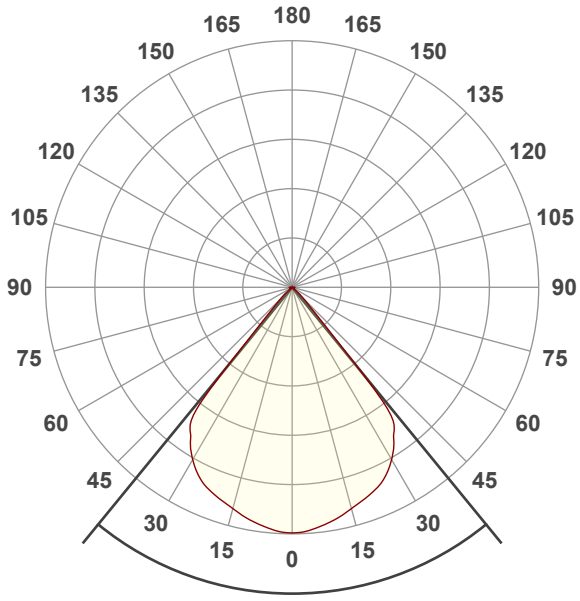
MEASURAMENT CONDITIONS:

Beam angle:
Royal Blue

Target:
Full On HQ

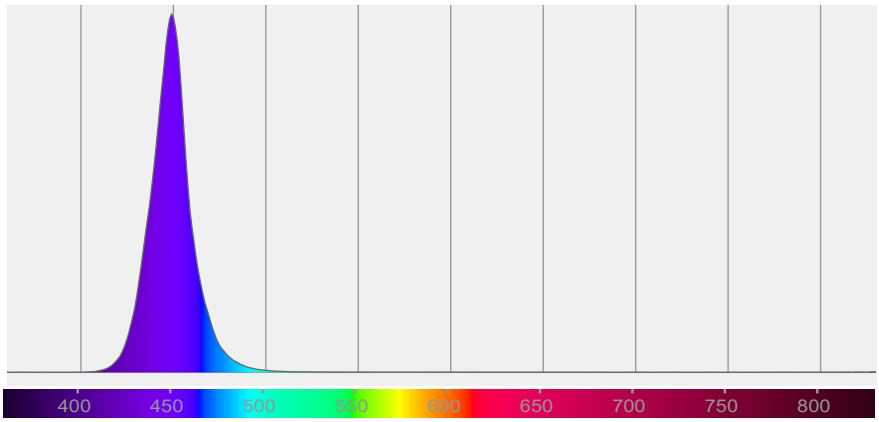
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:04:11



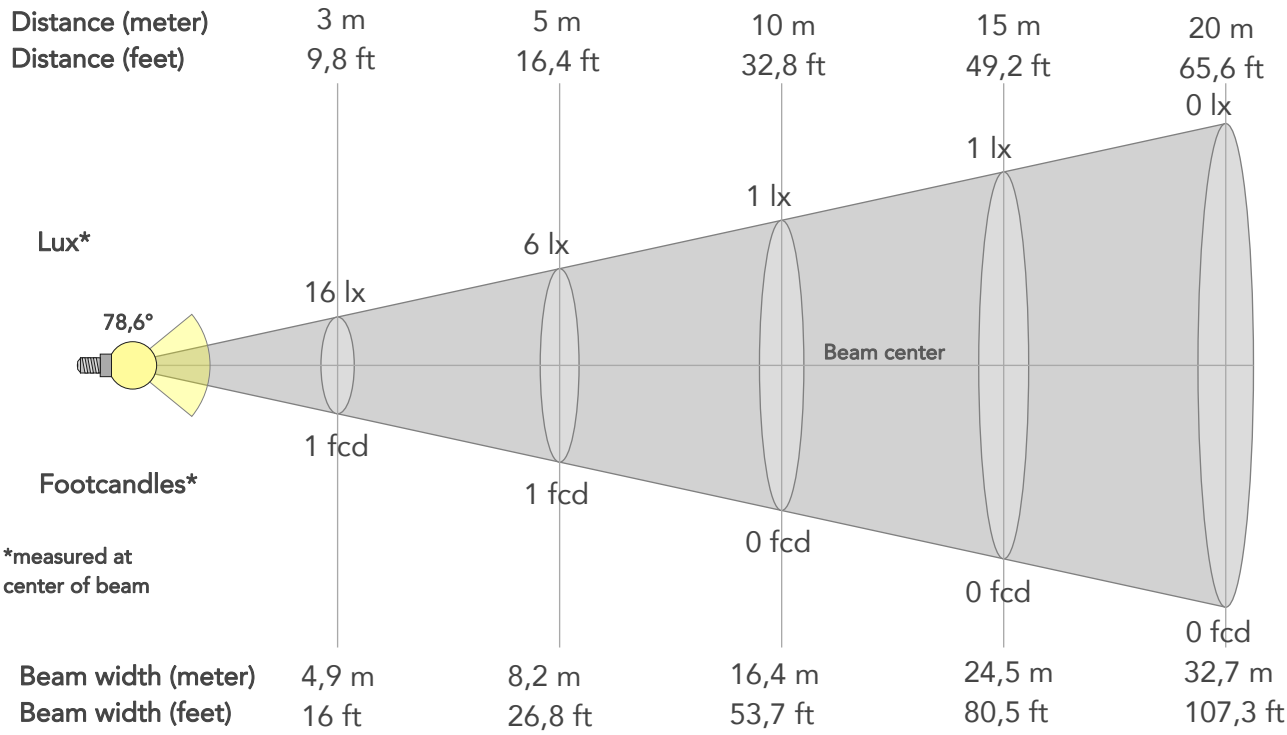
Beam angle 50%: 78,6°
Field angle 10%: 86,2°
Cut off angle 2.5%: 92,1°

Spectra



BEAM DETAILS

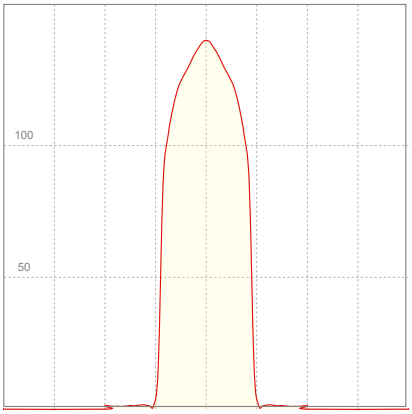
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
78,6°	86,2°	92,1°	97,9%	96,9%



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	140lx	35lx	16lx	9lx	6lx	2lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
Footcand.	13fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,3m	4,9m	6,5m	8,2m	12,3m	16,4m	24,5m	32,7m	40,9m	49,1m	65,4m	81,8m
Beam wid.	5,4ft	10,8ft	16ft	21,4ft	26,8ft	40,2ft	53,7ft	80,5ft	107,3ft	134,1ft	161ft	214,6ft	268,3ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,247A	33,1W	0,59	5lm/W

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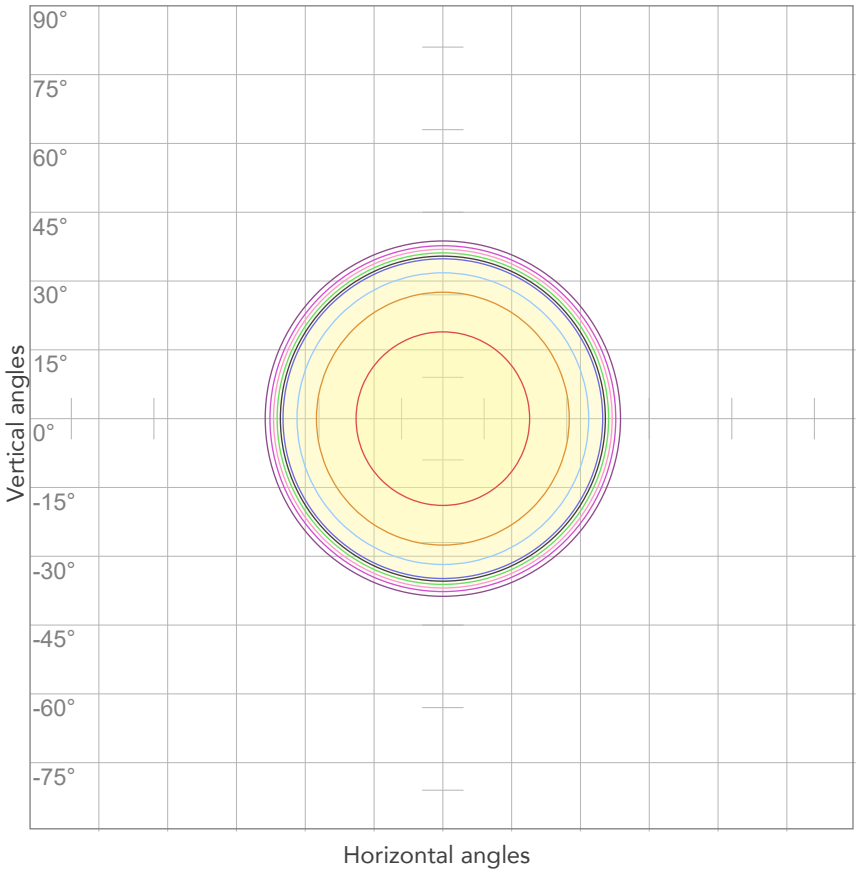
ISO DIAGRAMS

ISO CANDELA DIAGRAM



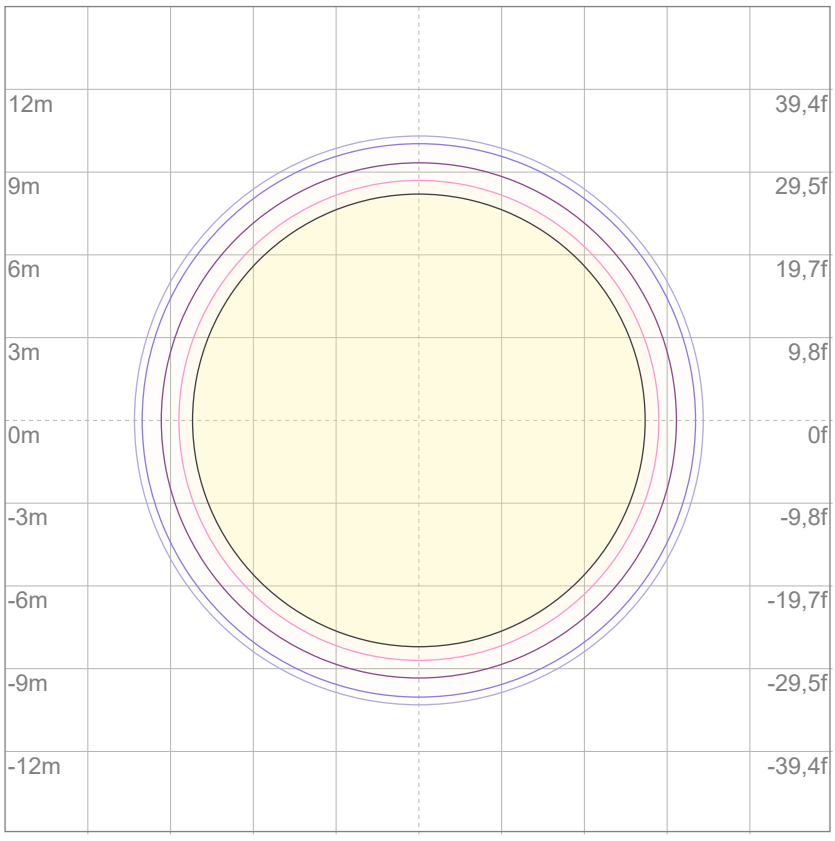
10%	14 cd
20%	28 cd
30%	42 cd
40%	56 cd
50%	70 cd
60%	84 cd
70%	98 cd
80%	112 cd

Conditions:

Number of c-planes: 2

Candela at center: 140 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	41,9m lx
5%	69,8m lx
10%	0,140 lx
30%	0,419 lx
50%	0,698 lx

Conditions:

Number of c-planes: 2

Lux at center: 1,40 lx

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

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Total lumen output:

8023 lm

Peak candela output:

6140 cd

Light quality:

CRI: 92,8

Color temperature:

2840 K

PRODUCT NAME:

ECLCTPLUS

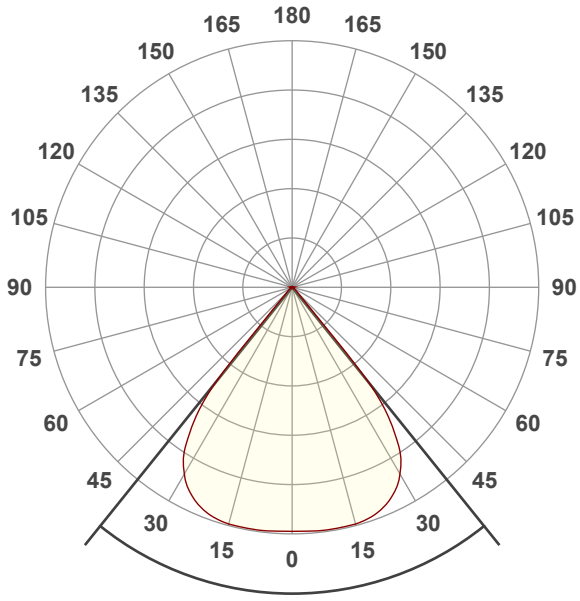
MEASURAMENT CONDITIONS:

Beam angle:
PRL90

Target:
2800K HQ

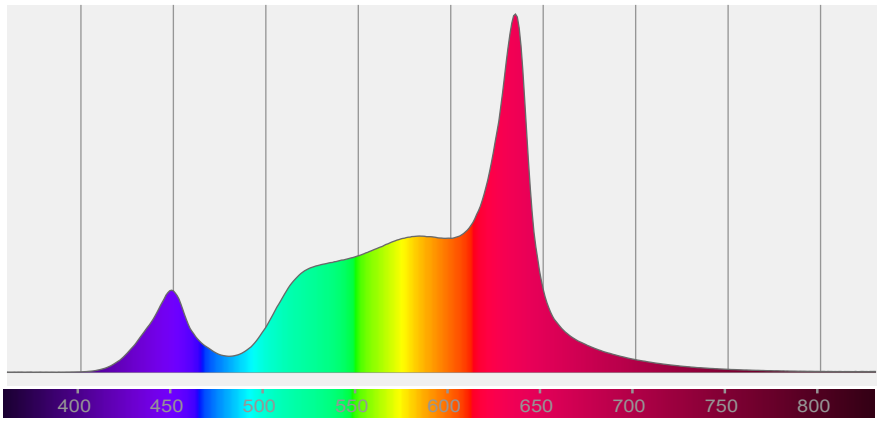
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:11:41

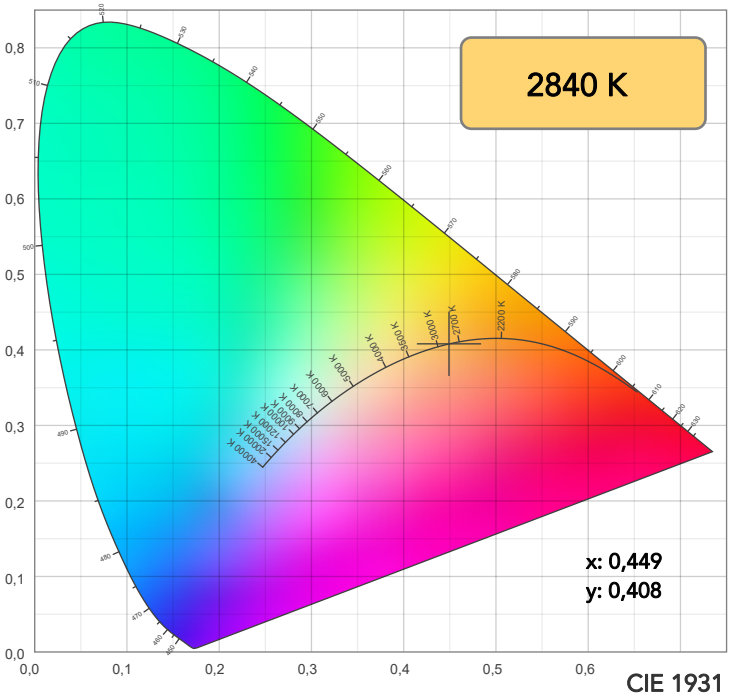


Beam angle 50%: 77,6°
Field angle 10%: 85°
Cut off angle 2.5%: 90,5°

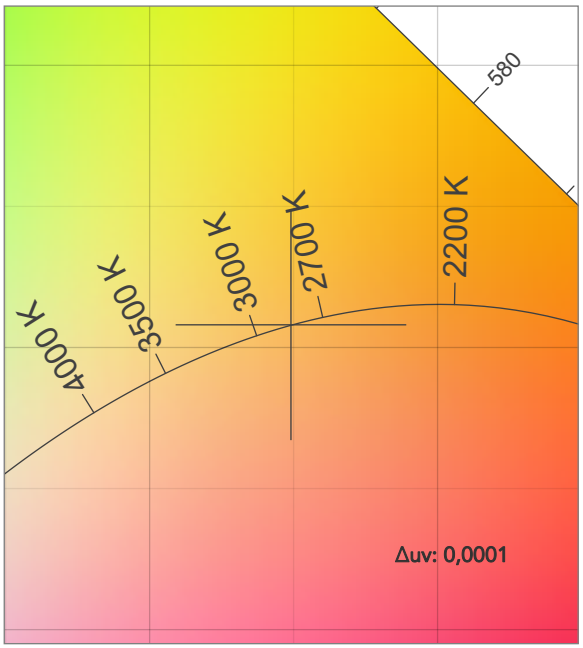
Spectra



COLOR DETAILS

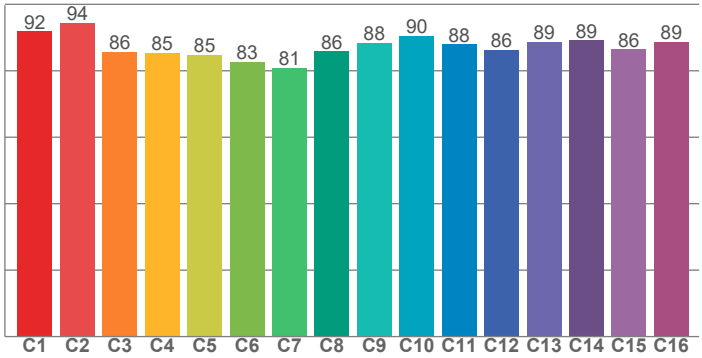


CIE 1931

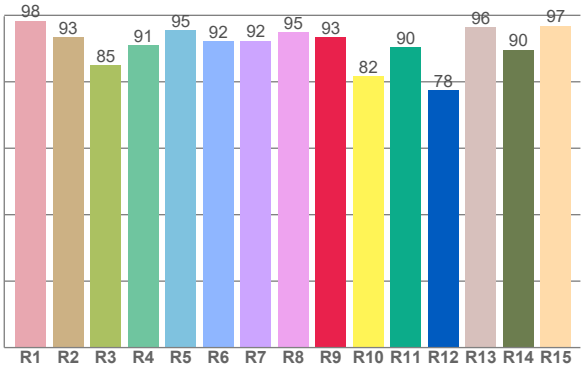


CIE 1931 ZOOM

TM30: 87,8



CRI: 92,8 (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
98,4	93,4	84,9	91,0	95,5	92,2	92,3	94,9	93,4	81,6	90,3	77,5	96,4	89,7	96,8

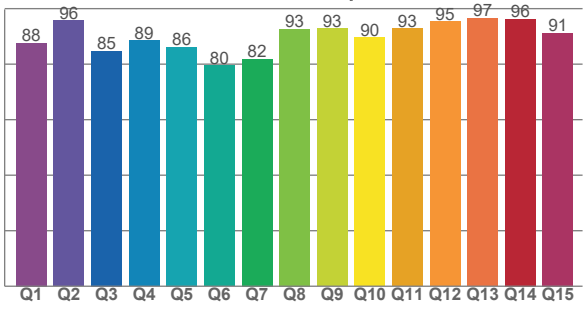
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,8	94,5	85,7	85,4	84,7	82,7	80,8	85,9	88,5	90,5	87,9	86,3	88,7	89,1	86,4	88,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,6	95,7	84,7	88,5	86,2	79,5	81,9	92,6	92,9	89,6	92,9	95,3	96,5	96,3	91,2

CQS: 88,6



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2840 K	92,8	93,4	87,8	106,5	88,6	74	0,449	0,408	0,0001

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TM30 DETAILS

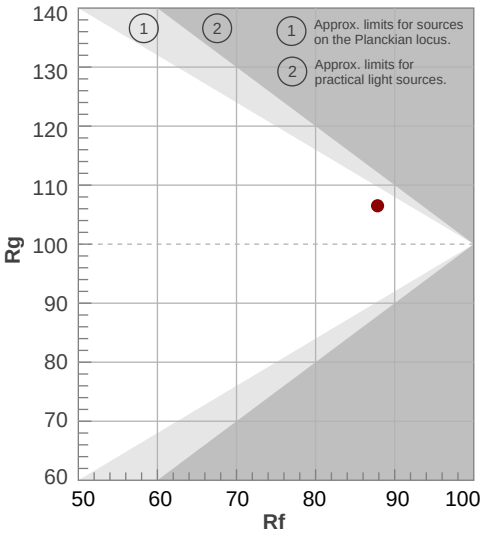
Rf 87,8

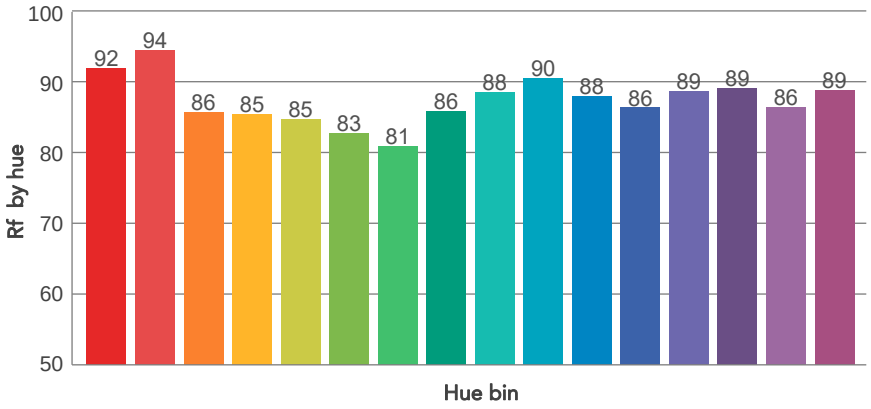
Fidelity index Rf

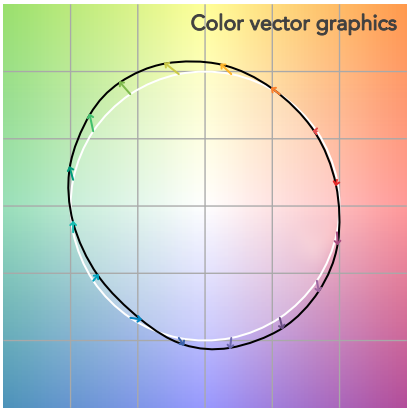
Rg 106,5

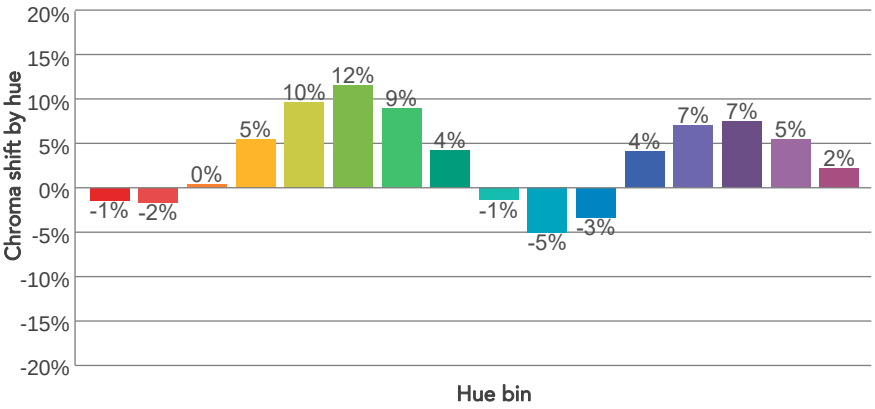
Gamut index

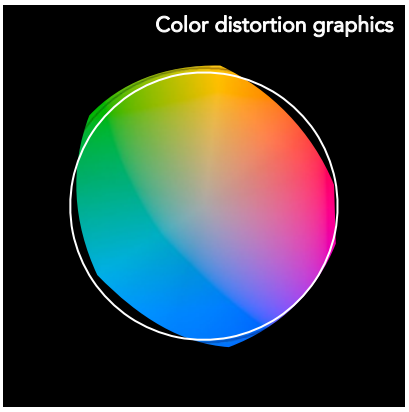
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	92	-1%	-3%
2	94	-2%	1%
3	86	0%	7%
4	85	5%	9%
5	85	10%	8%
6	83	12%	1%
7	81	9%	-9%
8	86	4%	-8%
9	88	-1%	-7%
10	90	-5%	-1%
11	88	-3%	7%
12	86	4%	4%
13	89	7%	-2%
14	89	7%	-3%
15	86	5%	-6%
16	89	2%	-8%

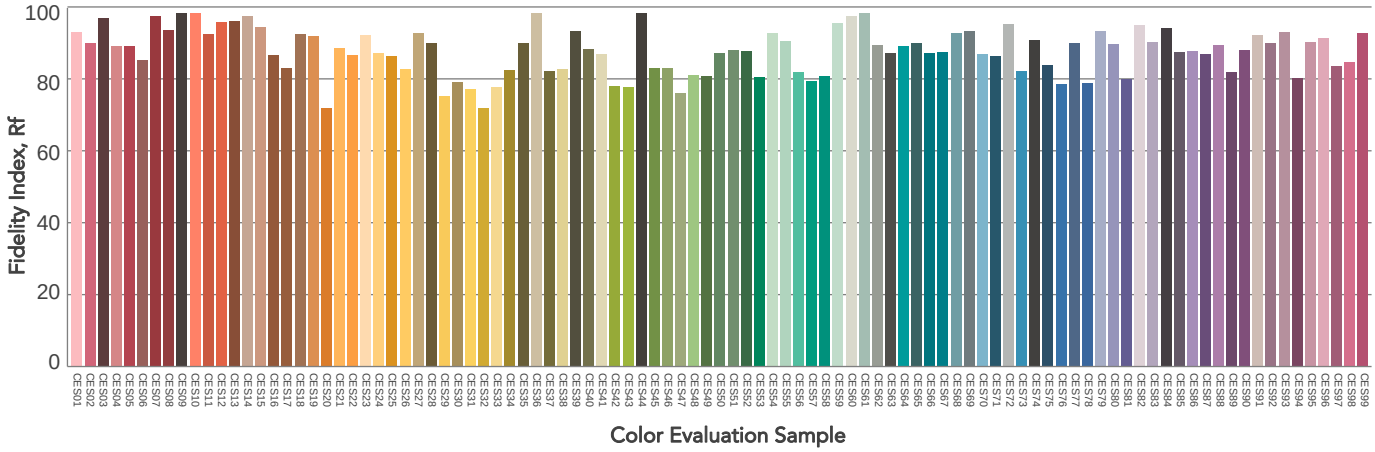












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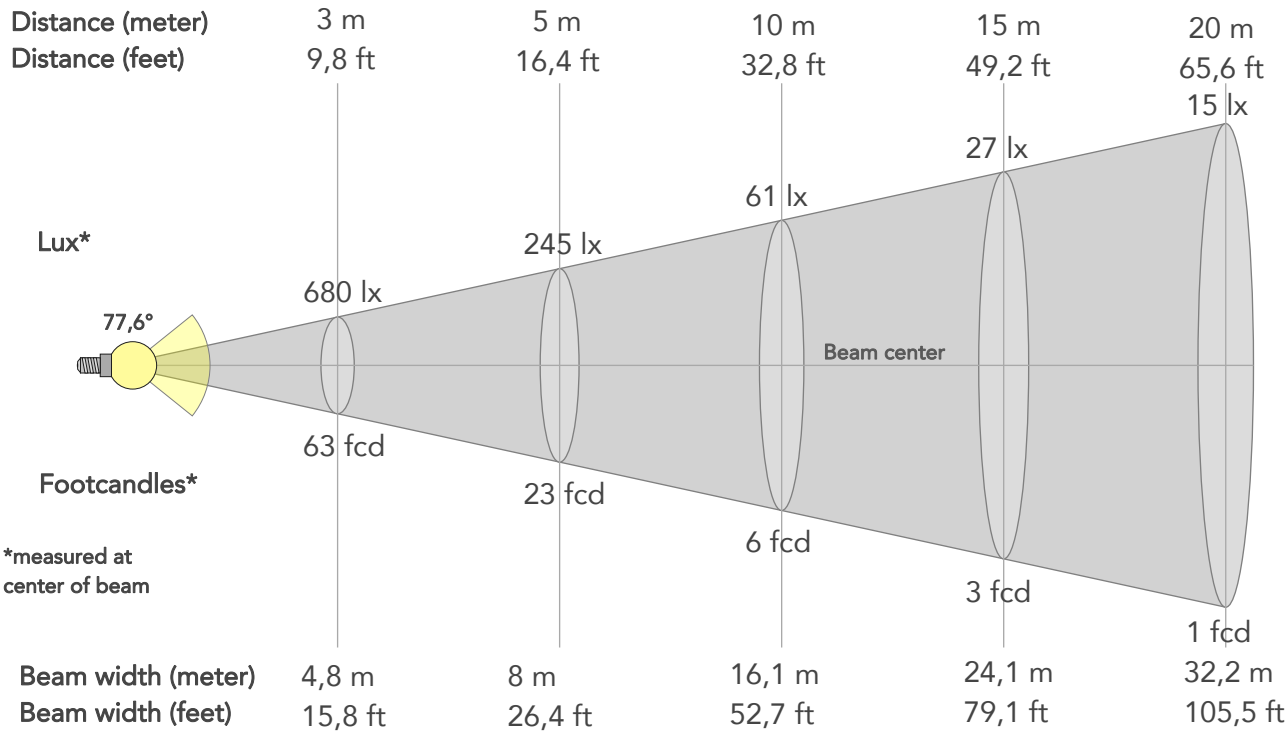
BEAM DETAILS

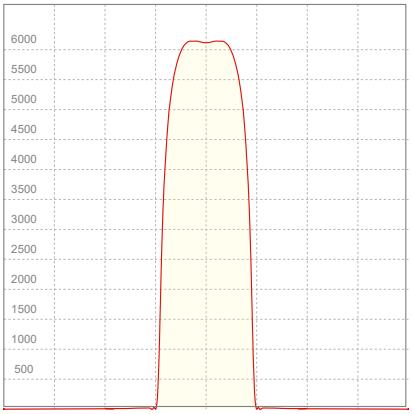
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,6°	85°	90,5°	99,2%	98,9%



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	6118lx	1530lx	680lx	382lx	245lx	109lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	568fcd	142fcd	63fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	12,1m	16,1m	24,1m	32,2m	40,2m	48,2m	64,3m	80,4m
Beam wid.	5,3ft	10,6ft	15,8ft	21,1ft	26,4ft	39,6ft	52,7ft	79,1ft	105,5ft	131,9ft	158,2ft	211ft	263,7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,846A	177,4W	0,92	45lm/W

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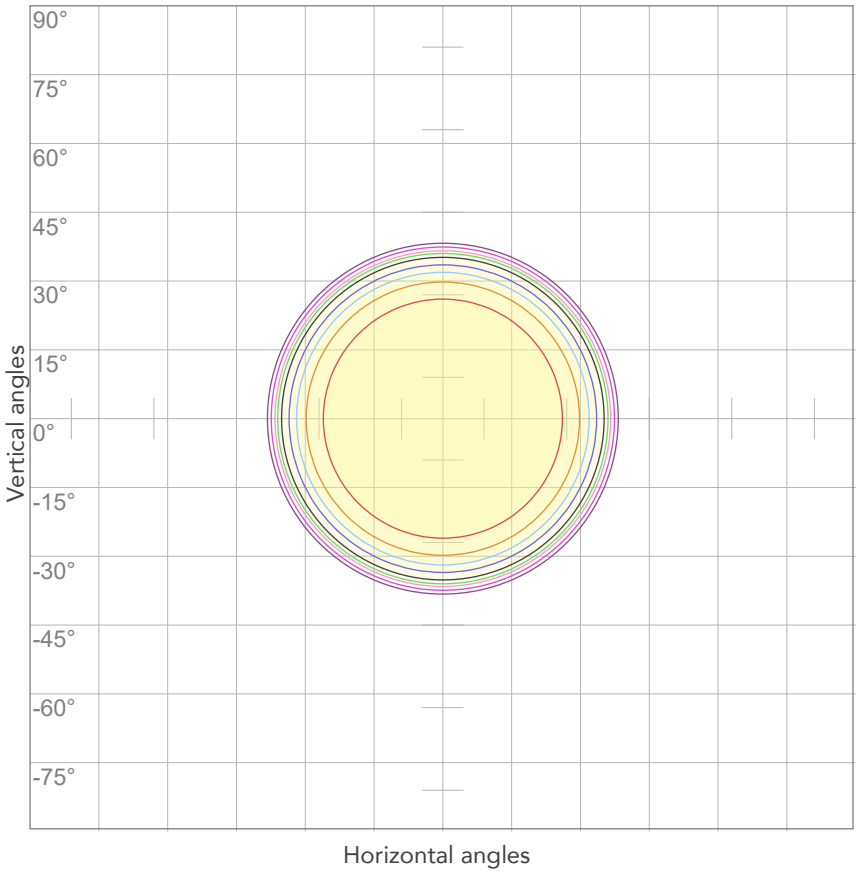
ISO DIAGRAMS

ISO CANDELA DIAGRAM



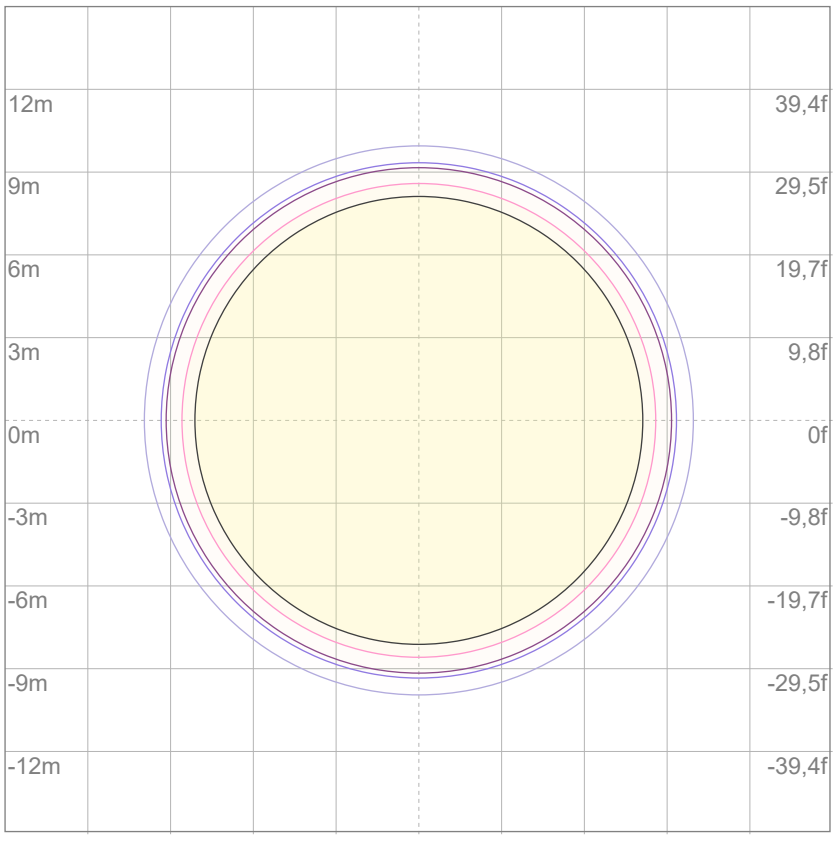
10%	612 cd
20%	1224 cd
30%	1835 cd
40%	2447 cd
50%	3059 cd
60%	3671 cd
70%	4283 cd
80%	4894 cd

Conditions:

Number of c-planes: 2

Candela at center: 6118 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,84 lx
5%	3,06 lx
10%	6,12 lx
30%	18,4 lx
50%	30,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 61,2 lx

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

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Total lumen output:

8235 lm

Peak candela output:

6303 cd

Light quality:

CRI: 94,3

Color temperature:

3220 K

PRODUCT NAME:

ECLCTPLUS

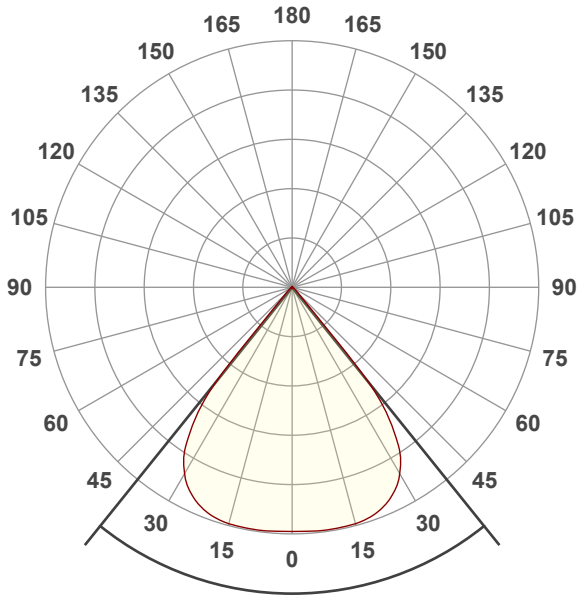
MEASURAMENT CONDITIONS:

Beam angle:
PRL90

Target:
3200K HQ

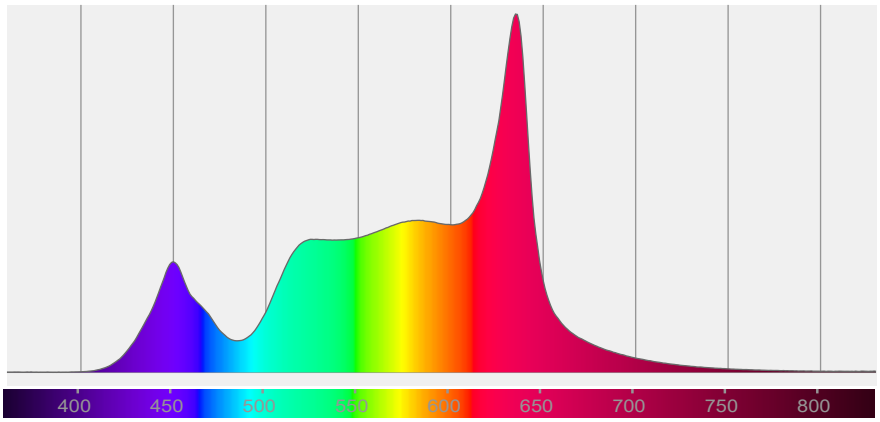
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:15:16



Beam angle 50%: 77,6°
Field angle 10%: 84,9°
Cut off angle 2.5%: 90,5°

Spectra



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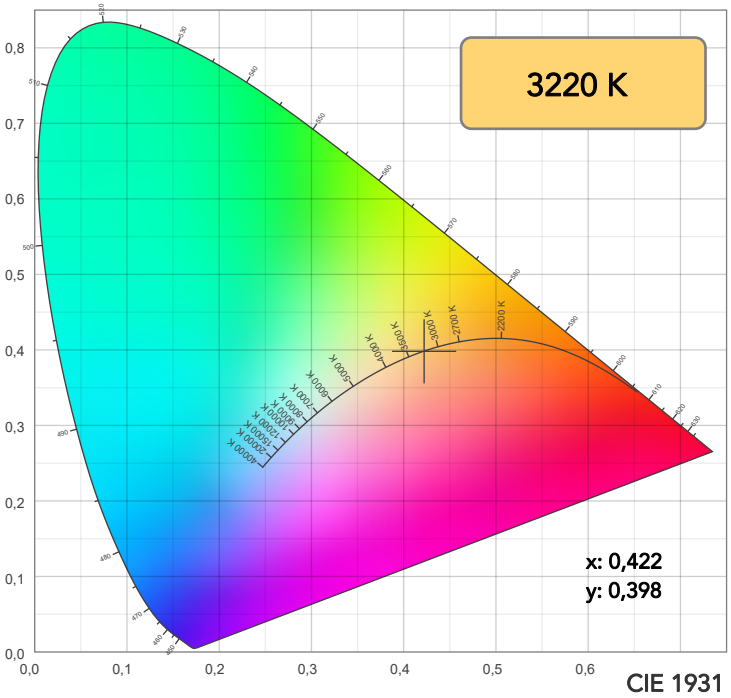
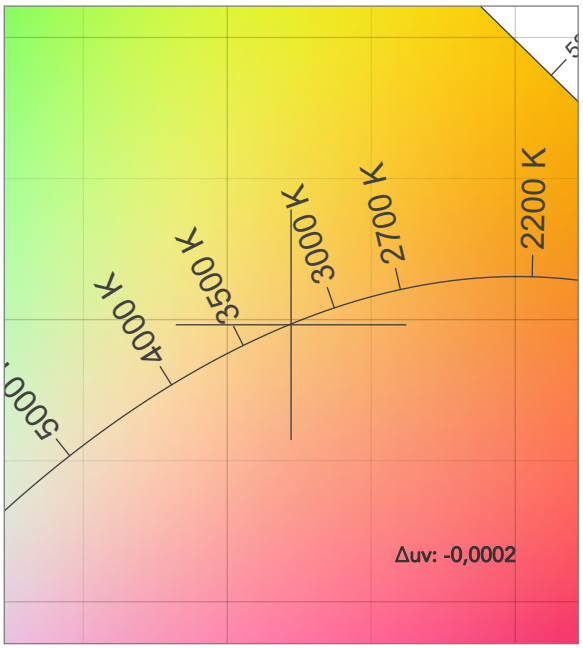
COLOR DETAILS

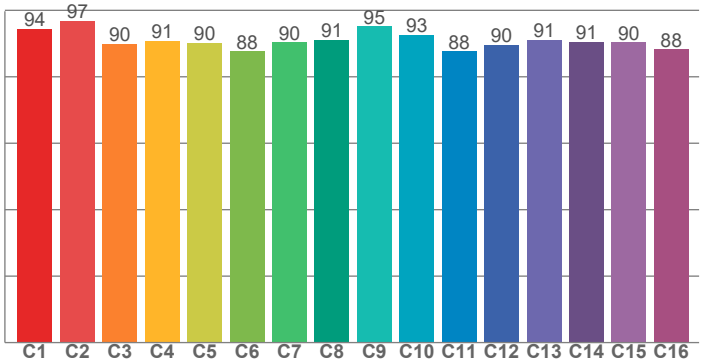


CIE 1931

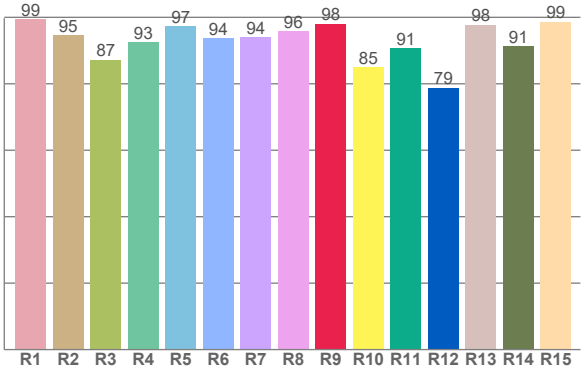


CIE 1931 ZOOM

TM30: 91,3



CRI: 94,3 (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
99,5	94,6	87,2	92,6	97,4	93,7	94,1	95,8	98,1	85,1	90,6	78,8	97,8	91,2	98,6

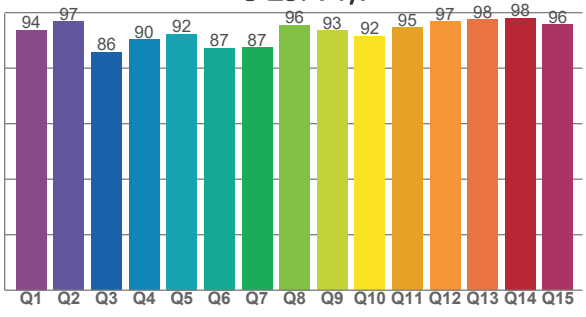
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,4	96,8	90,0	90,8	90,2	87,7	90,4	91,1	95,2	92,7	87,7	89,6	91,1	90,5	90,4	88,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	96,8	85,7	90,3	92,2	87,3	87,4	95,5	93,5	91,5	94,7	96,8	97,5	98,0	95,7

CQS: 91,9



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3220 K	94,3	98,1	91,3	104,9	91,9	86	0,422	0,398	-0,0002

TM30 DETAILS

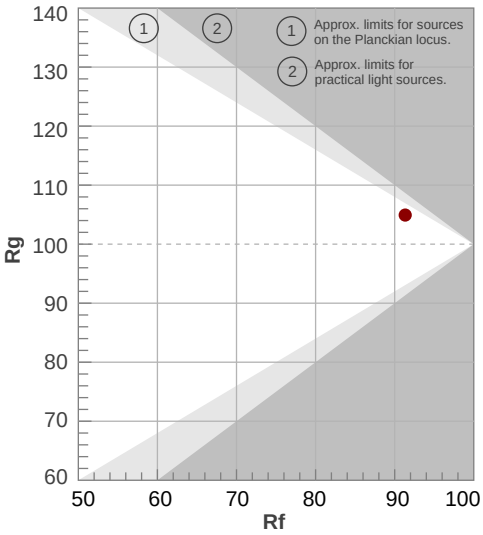
Rf 91,3

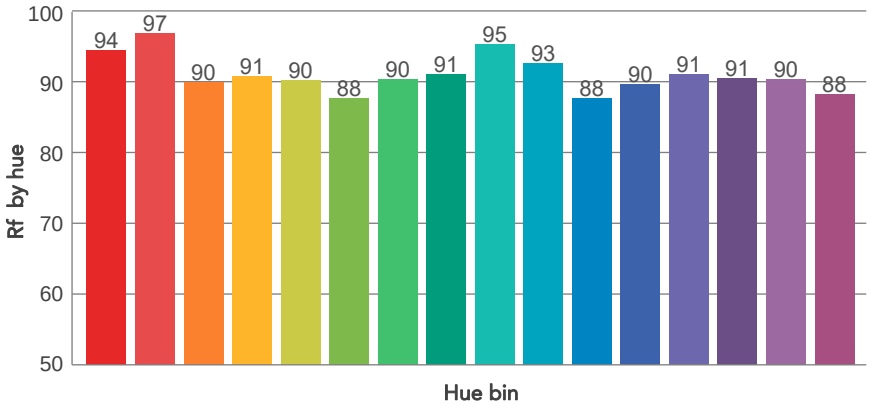
Fidelity index Rf

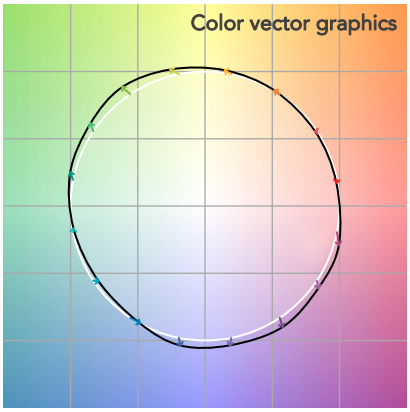
Rg 104,9

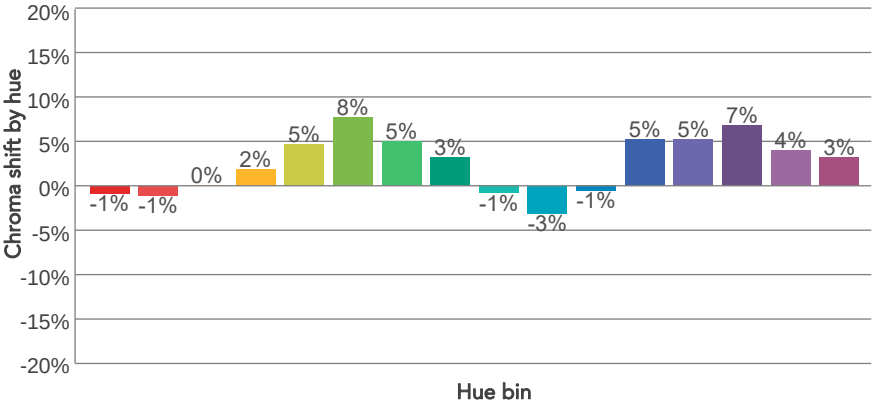
Gamut index

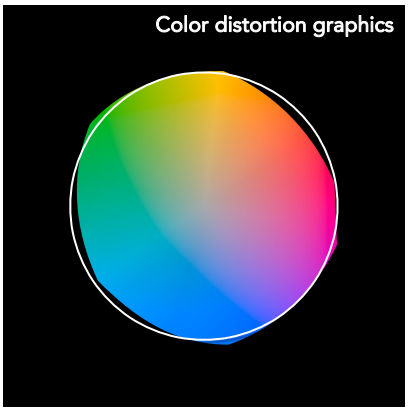
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	94	-1%	-2%
2	97	-1%	1%
3	90	0%	5%
4	91	2%	5%
5	90	5%	6%
6	88	8%	2%
7	90	5%	-4%
8	91	3%	-5%
9	95	-1%	-3%
10	93	-3%	2%
11	88	-1%	8%
12	90	5%	2%
13	91	5%	-2%
14	91	7%	-2%
15	90	4%	-4%
16	88	3%	-9%

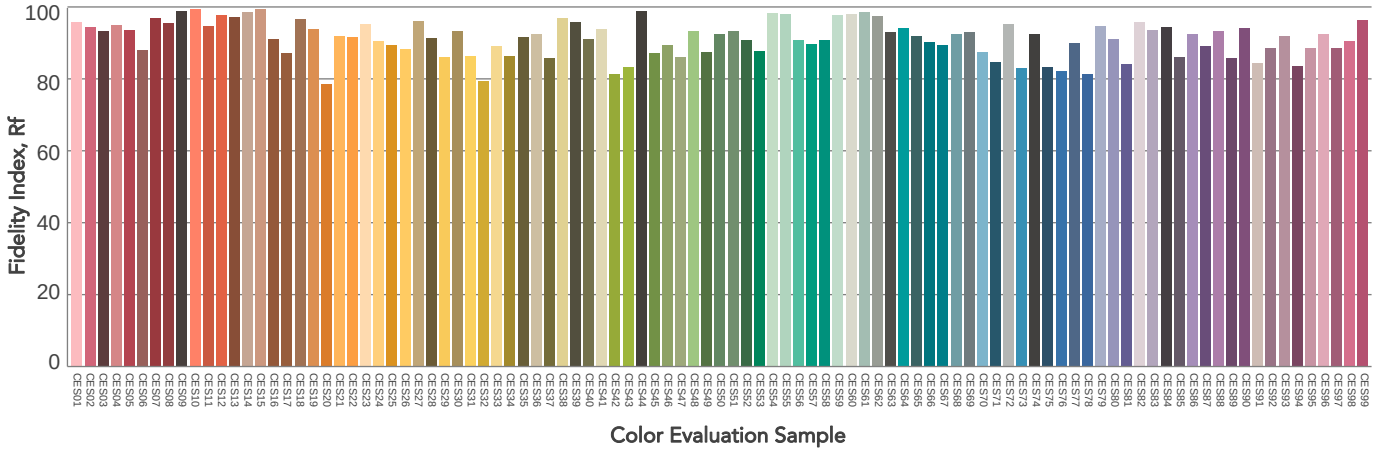












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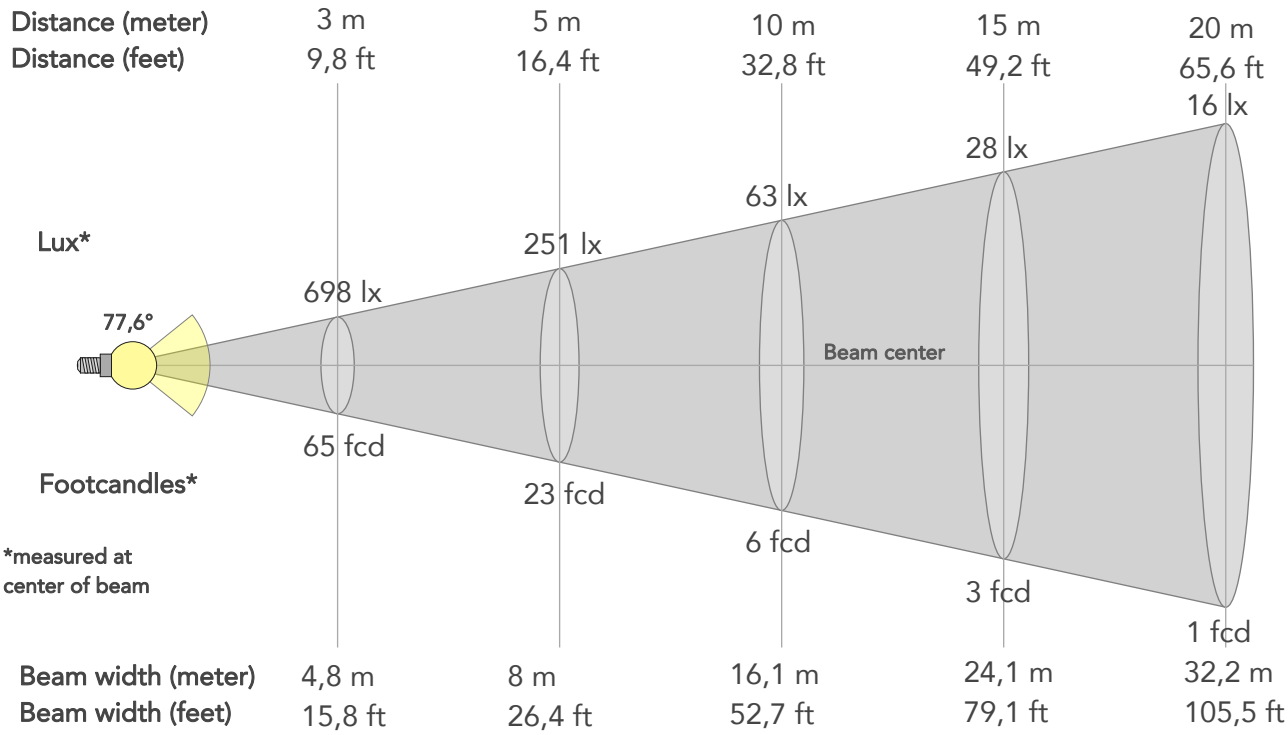
BEAM DETAILS

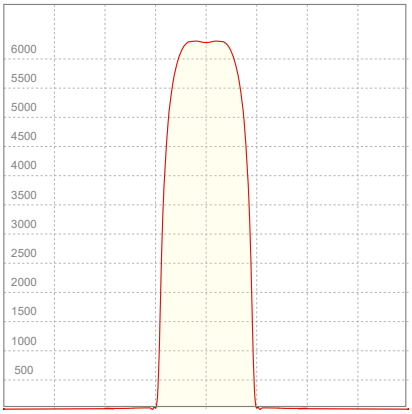
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,6°	84,9°	90,5°	99,1%	98,7%



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	6284lx	1571lx	698lx	393lx	251lx	112lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	584fcd	146fcd	65fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	12,1m	16,1m	24,1m	32,2m	40,2m	48,2m	64,3m	80,4m
Beam wid.	5,3ft	10,6ft	15,8ft	21,1ft	26,4ft	39,6ft	52,7ft	79,1ft	105,5ft	131,9ft	158,2ft	211ft	263,7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,883A	186,4W	0,93	44lm/W

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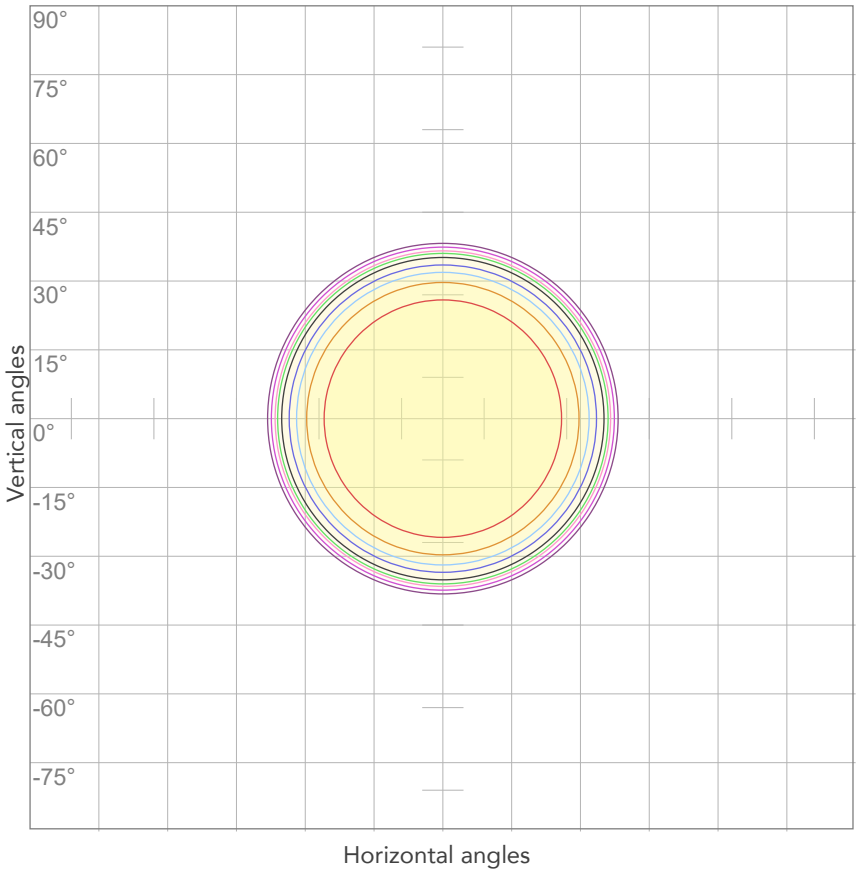
ISO DIAGRAMS

ISO CANDELA DIAGRAM



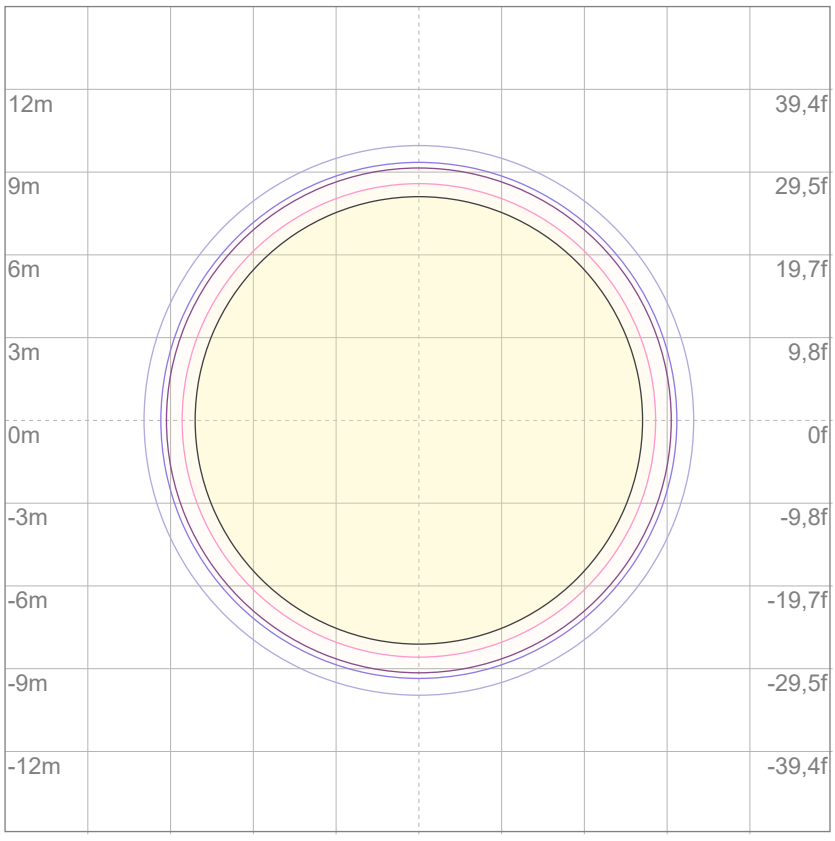
10%	628 cd
20%	1257 cd
30%	1885 cd
40%	2514 cd
50%	3142 cd
60%	3770 cd
70%	4399 cd
80%	5027 cd

Conditions:

Number of c-planes: 2

Candela at center: 6284 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,89 lx
5%	3,14 lx
10%	6,28 lx
30%	18,9 lx
50%	31,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,8 lx

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

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Total lumen output:

8601 lm

Peak candela output:

6601 cd

Light quality:

CRI: 96,3

Color temperature:

4035 K

PRODUCT NAME:

ECLCTPLUS

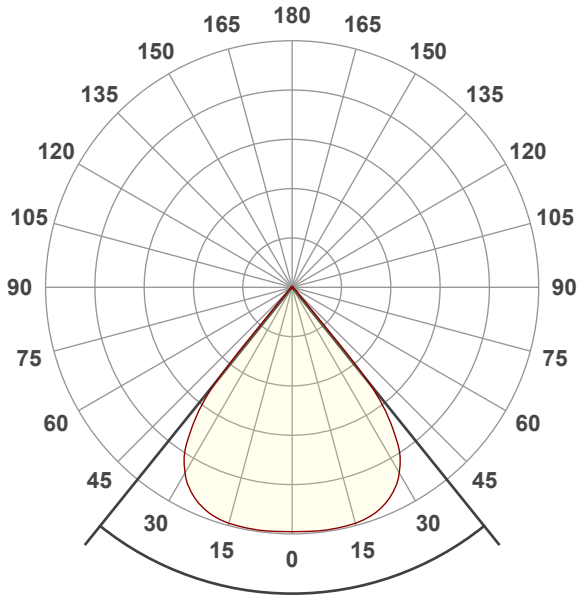
MEASURAMENT CONDITIONS:

Beam angle:
PRL90

Target:
4000K HQ

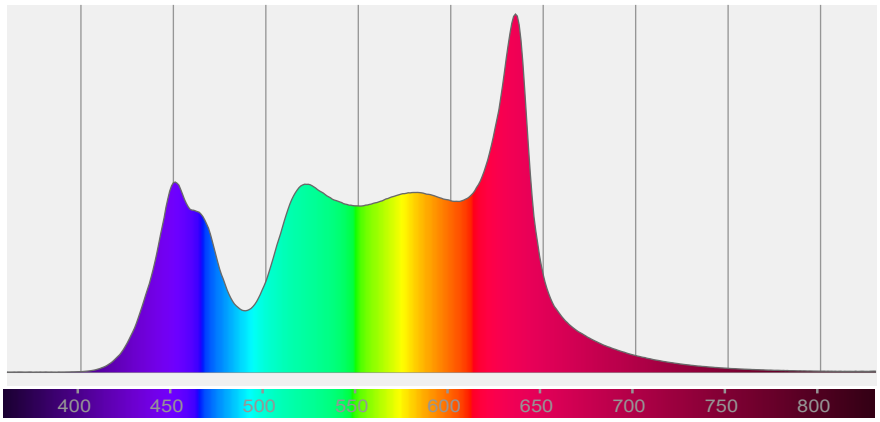
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:21:46

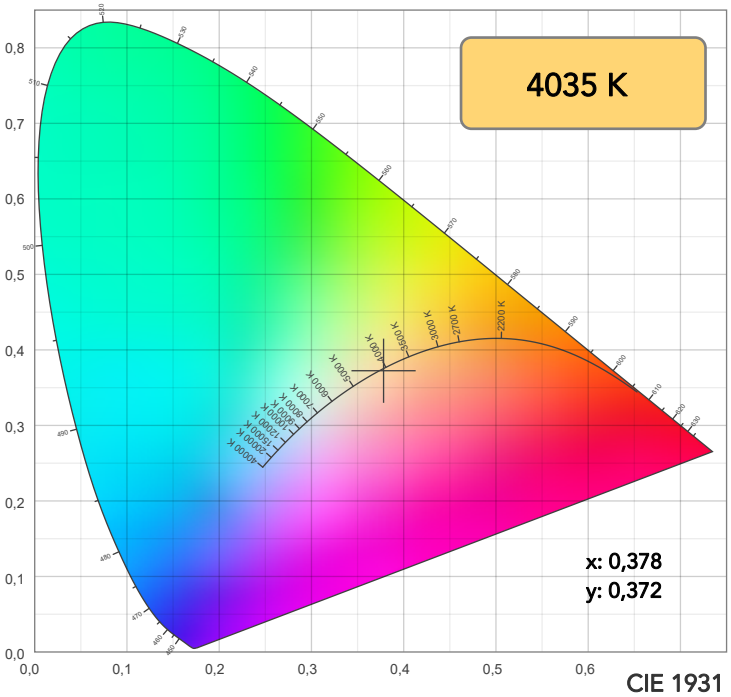


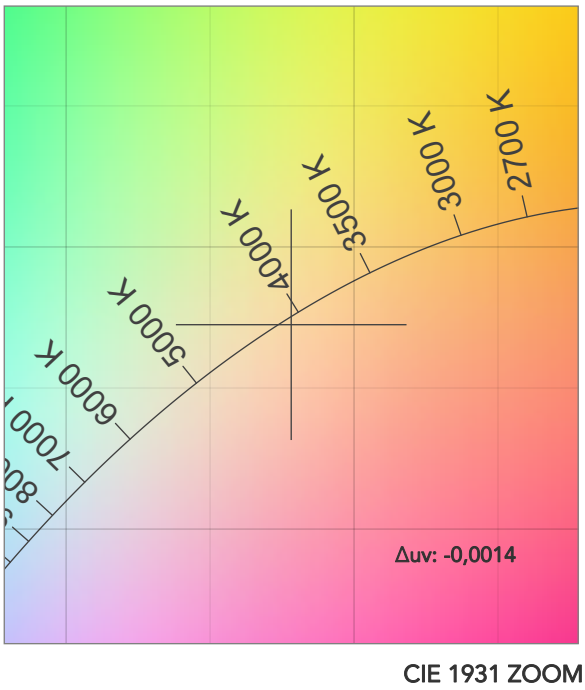
Beam angle 50%: 77,6°
Field angle 10%: 85,2°
Cut off angle 2.5%: 90,7°

Spectra

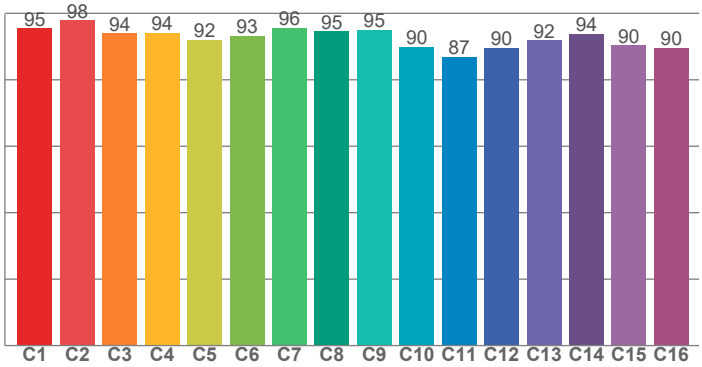


COLOR DETAILS

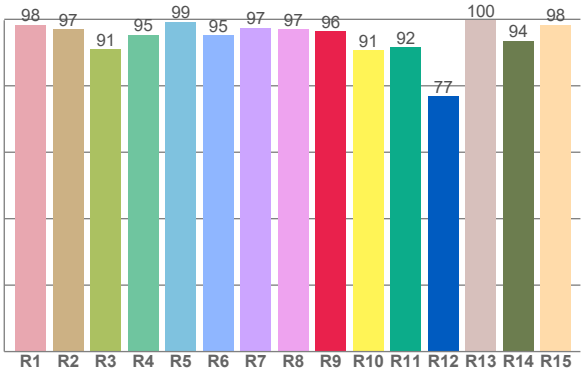




TM30: 92,7



CRI: 96,3 (R1-R8)



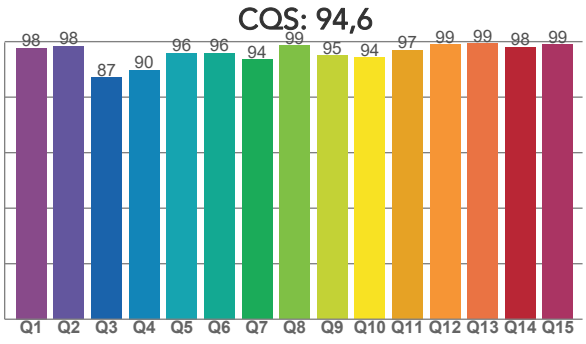
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,4	97,0	90,9	95,3	99,3	95,2	97,5	97,0	96,3	90,7	91,5	76,8	99,7	93,6	98,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,5	97,8	94,0	94,1	92,1	93,3	95,6	94,6	95,0	89,9	86,8	89,7	91,9	93,8	90,4	89,7

CQS: 94,6



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,8	98,3	87,0	89,8	95,9	95,9	93,5	98,6	95,0	94,3	96,9	98,9	99,3	98,1	99,0

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4035 K	96,3	96,3	92,7	102,6	94,6	91	0,378	0,372	-0,0014

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TM30 DETAILS

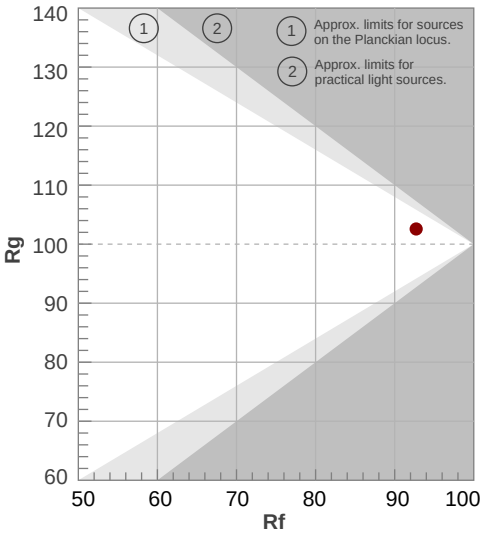
Rf 92,7

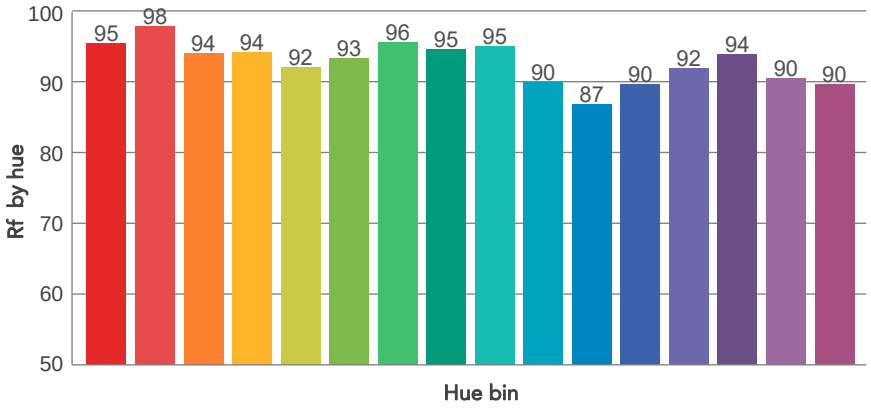
Fidelity index Rf

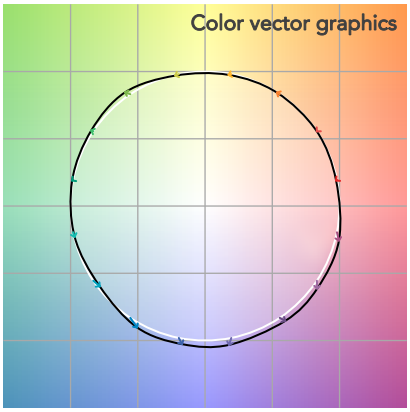
Rg 102,6

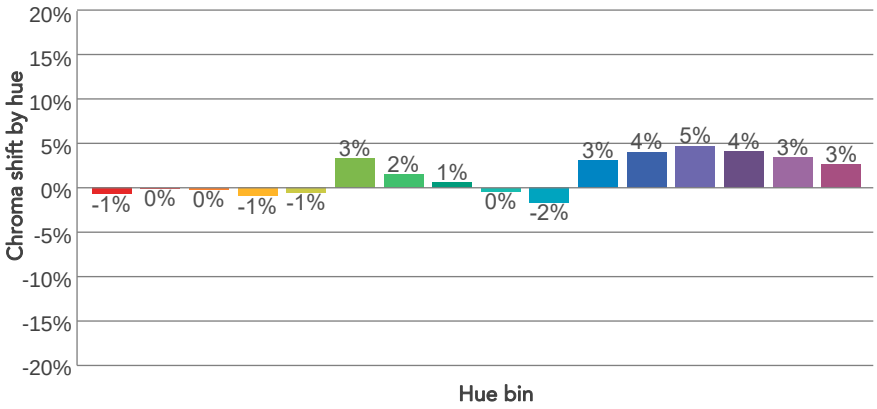
Gammut index

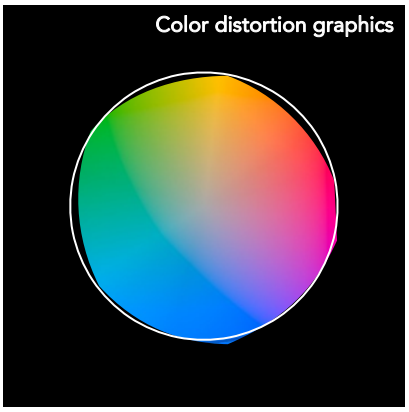
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	95	-1%	0%
2	98	0%	0%
3	94	0%	2%
4	94	-1%	2%
5	92	-1%	3%
6	93	3%	2%
7	96	2%	0%
8	95	1%	1%
9	95	0%	3%
10	90	-2%	6%
11	87	3%	8%
12	90	4%	3%
13	92	5%	-3%
14	94	4%	2%
15	90	3%	-5%
16	90	3%	-6%

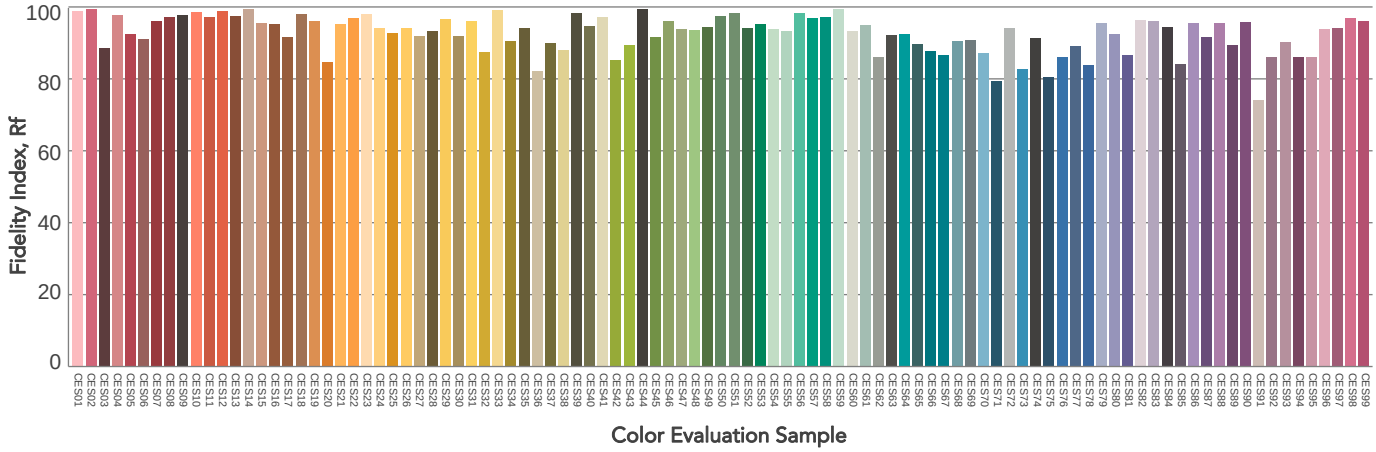












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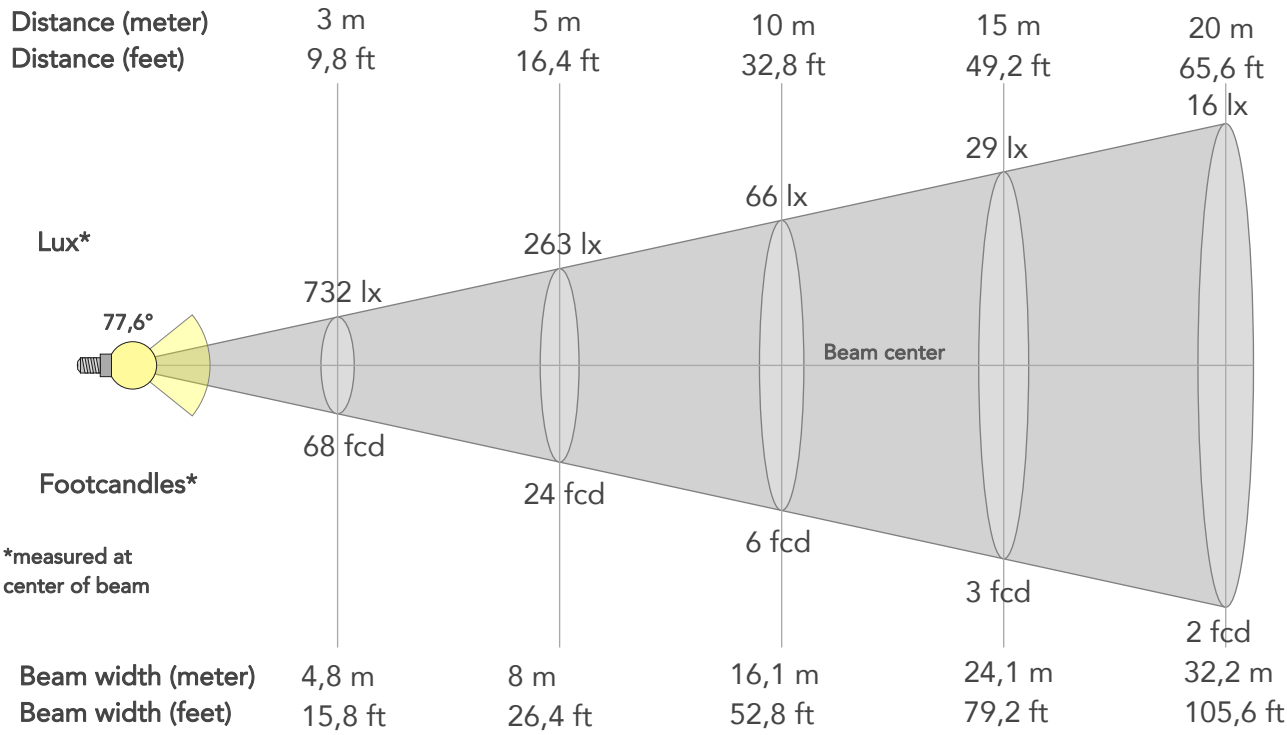
BEAM DETAILS

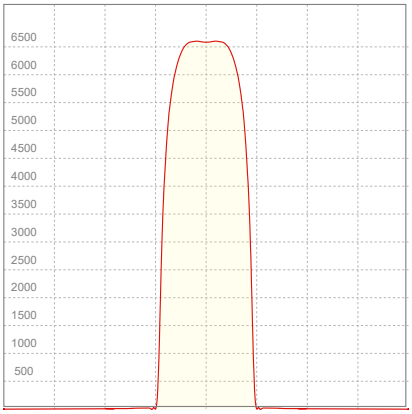
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,6°	85,2°	90,7°	99,3%	99,0%



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	6585lx	1646lx	732lx	412lx	263lx	117lx	66lx	29lx	16lx	11lx	7lx	4lx	3lx
Footcand.	612fcd	153fcd	68fcd	38fcd	24fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	12,1m	16,1m	24,1m	32,2m	40,2m	48,3m	64,4m	80,5m
Beam wid.	5,3ft	10,6ft	15,8ft	21,1ft	26,4ft	39,6ft	52,8ft	79,2ft	105,6ft	132ft	158,3ft	211,1ft	263,9ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,953A	202,7W	0,94	42lm/W

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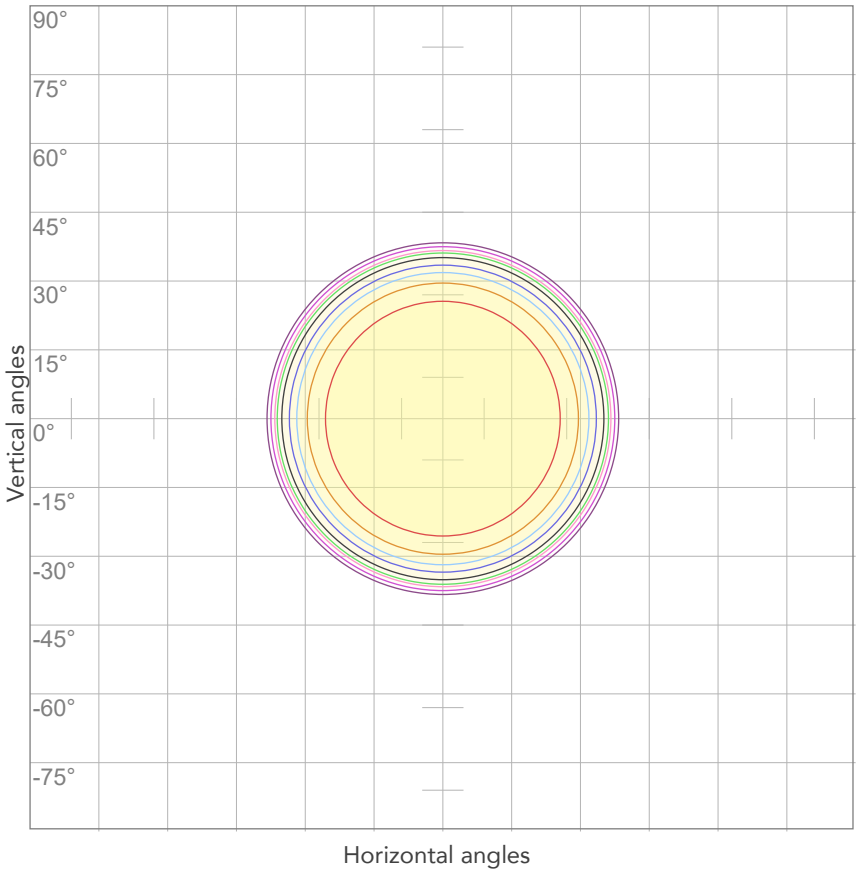
ISO DIAGRAMS

ISO CANDELA DIAGRAM



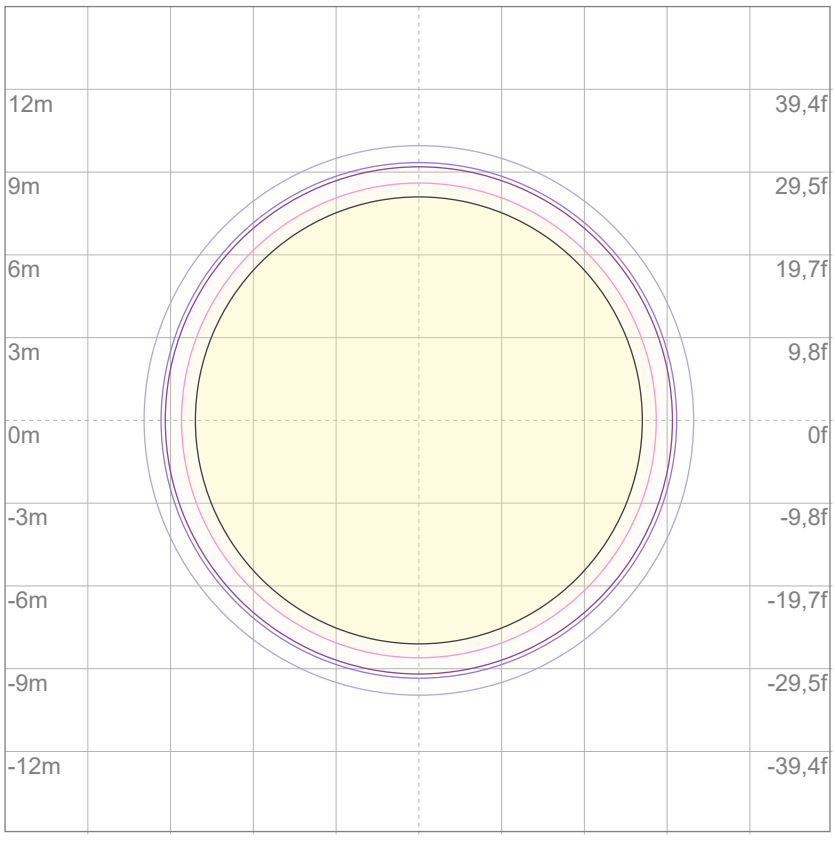
10%	659 cd
20%	1317 cd
30%	1976 cd
40%	2634 cd
50%	3293 cd
60%	3951 cd
70%	4610 cd
80%	5268 cd

Conditions:

Number of c-planes: 2

Candela at center: 6585 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,98 lx
5%	3,29 lx
10%	6,59 lx
30%	19,8 lx
50%	32,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 65,9 lx

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

Total lumen output:

9229 lm

Peak candela output:

7096 cd

Light quality:

CRI: 97,0

Color temperature:

5642 K

PRODUCT NAME:

ECLCTPLUS

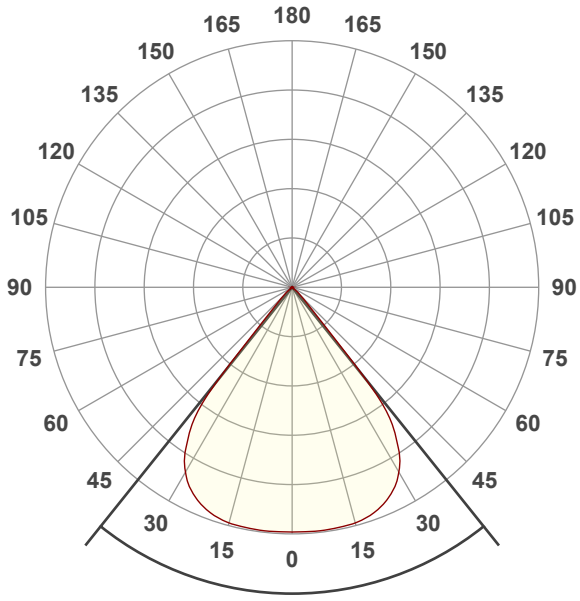
MEASURAMENT CONDITIONS:

Beam angle:
PRL90

Target:
5600K HQ

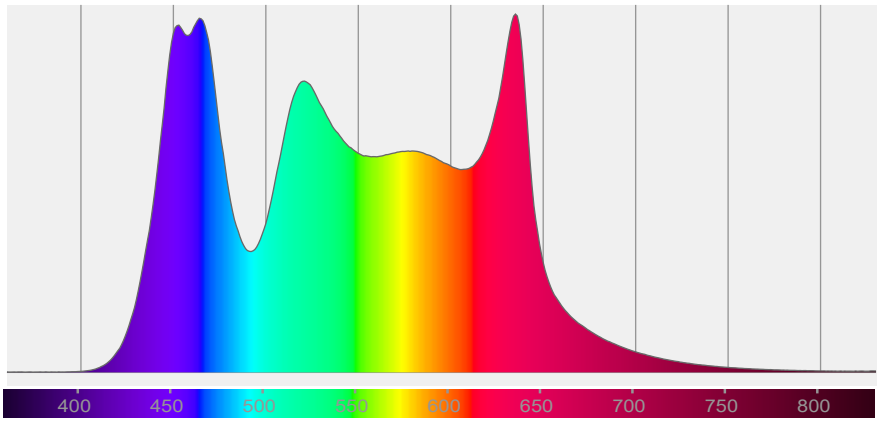
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:25:34

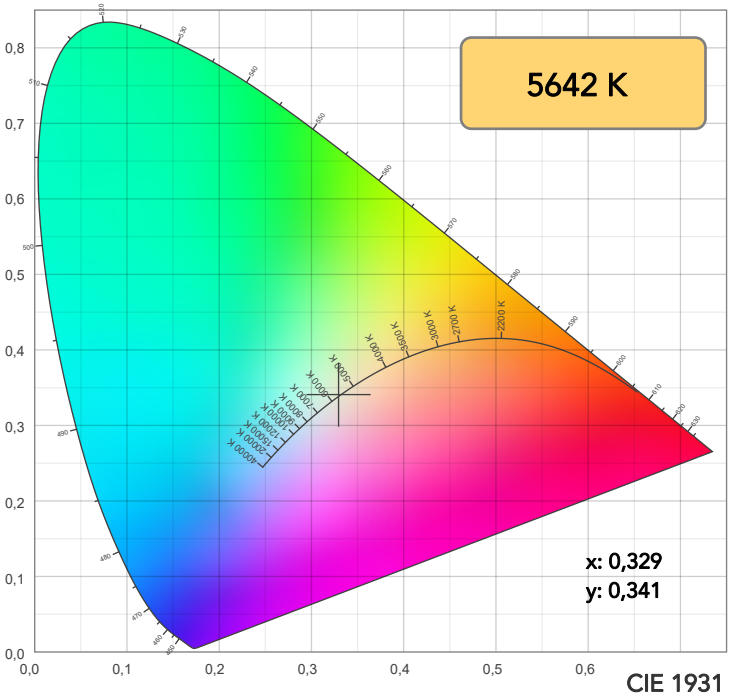


Beam angle 50%: 77,4°
Field angle 10%: 84,8°
Cut off angle 2.5%: 91,3°

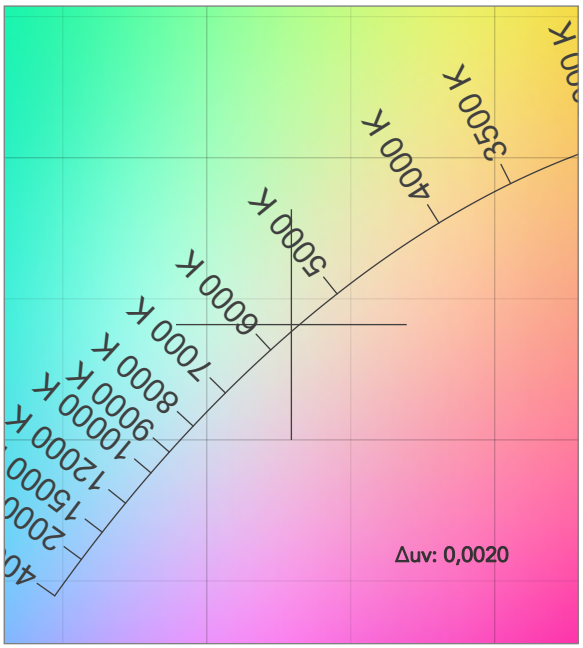
Spectra



COLOR DETAILS

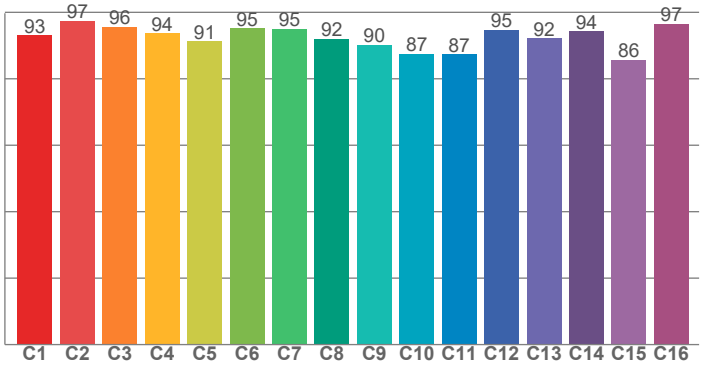


CIE 1931

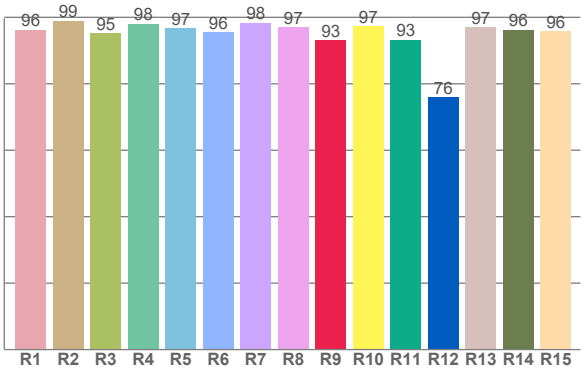


CIE 1931 ZOOM

TM30: 92,4



CRI: 97,0 (R1-R8)



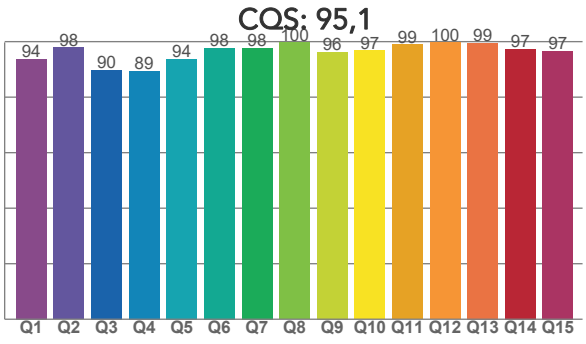
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	99,0	95,2	98,1	96,8	95,5	98,4	96,9	93,1	97,2	93,2	76,0	97,1	96,2	95,7

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	97,4	95,6	93,7	91,3	95,2	95,1	91,9	90,2	87,5	87,3	94,8	92,2	94,2	85,7	96,6

CQS: 95,1



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,8	97,8	89,7	89,4	93,8	97,6	97,7	99,6	96,3	96,7	99,0	99,7	99,4	97,3	96,6

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5642 K	97,0	93,1	92,4	100,6	95,1	96	0,329	0,341	0,0020

TM30 DETAILS

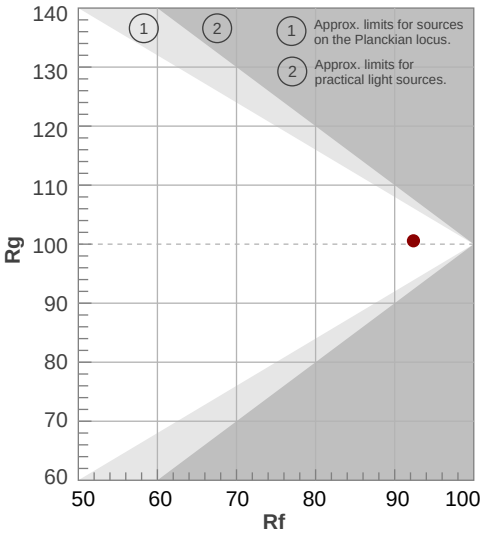
Rf 92,4

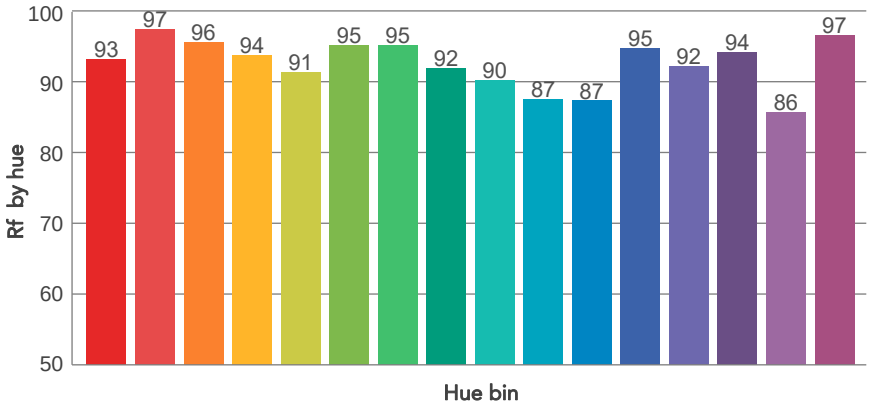
Fidelity index Rf

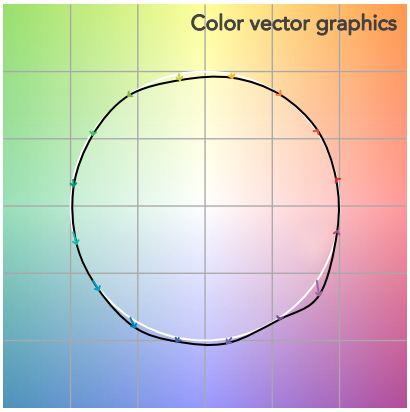
Rg 100,6

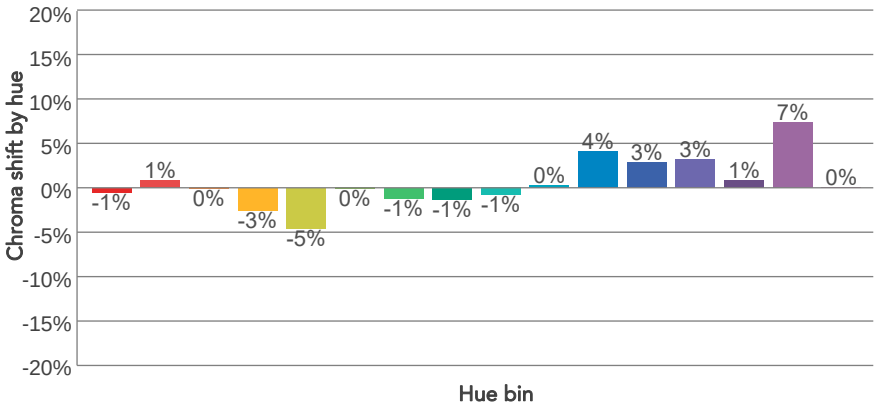
Gammut index

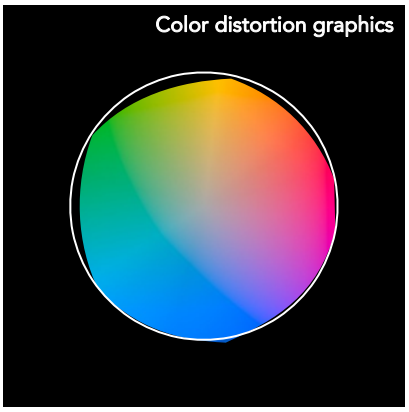
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	-1%	1%
2	97	1%	0%
3	96	0%	-1%
4	94	-3%	-1%
5	91	-5%	0%
6	95	0%	2%
7	95	-1%	2%
8	92	-1%	5%
9	90	-1%	9%
10	87	0%	8%
11	87	4%	7%
12	95	3%	-1%
13	92	3%	-4%
14	94	1%	-1%
15	86	7%	-8%
16	97	0%	1%

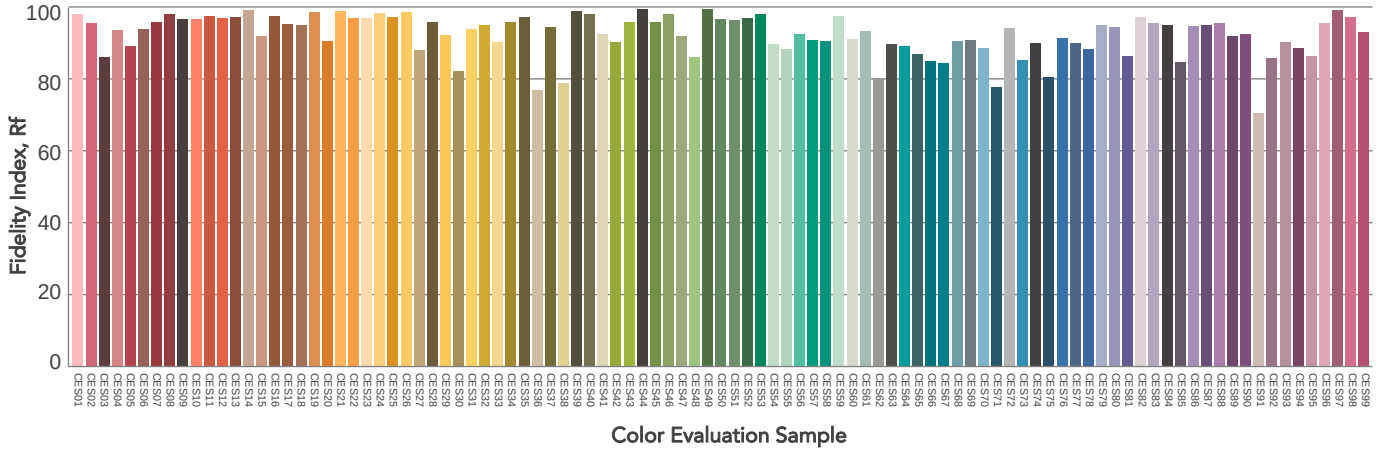












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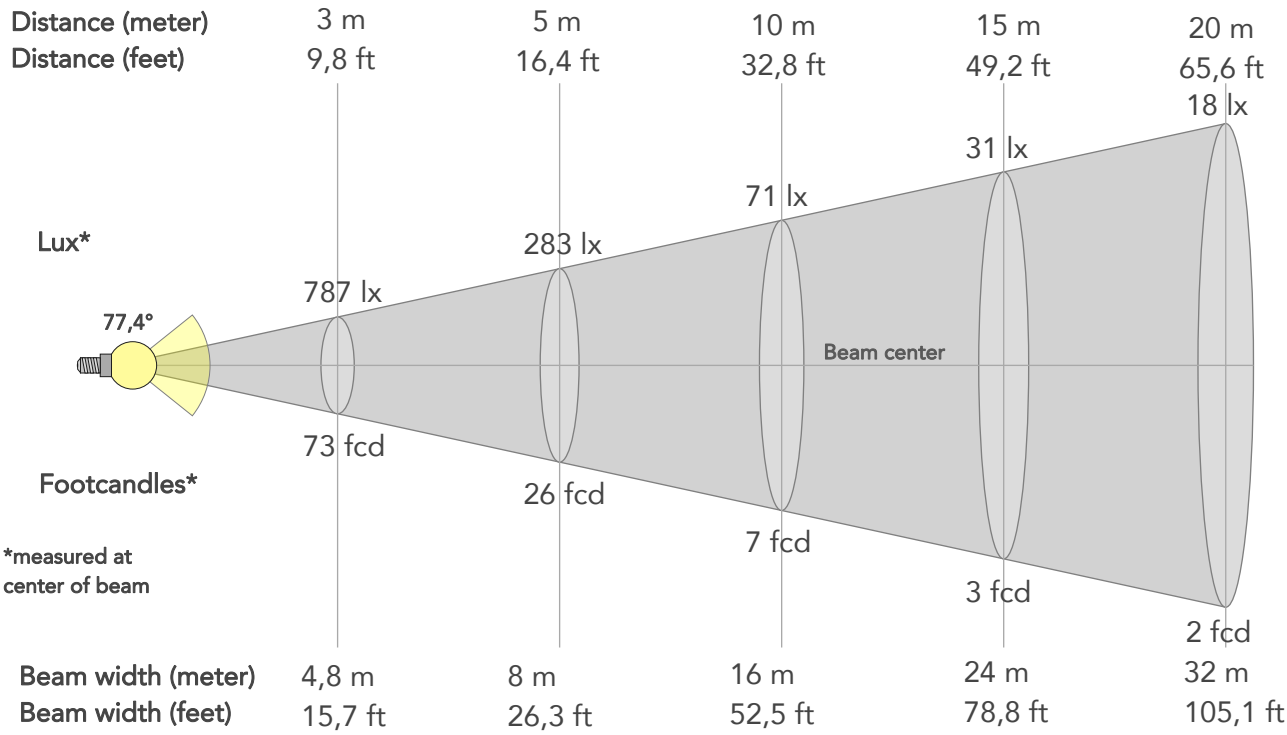
BEAM DETAILS

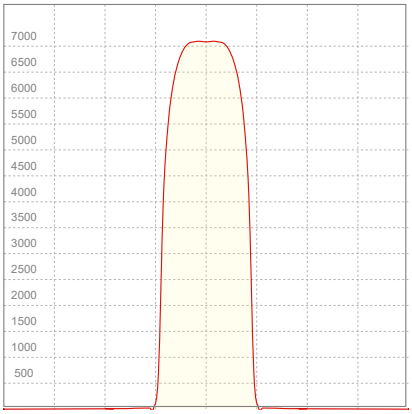
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,4°	84,8°	91,3°	99,3%	99,0%



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	7085lx	1771lx	787lx	443lx	283lx	126lx	71lx	31lx	18lx	11lx	8lx	4lx	3lx
Footcand.	658fcd	165fcd	73fcd	41fcd	26fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	12m	16m	24m	32m	40,1m	48,1m	64,1m	80,1m
Beam wid.	5,3ft	10,6ft	15,7ft	21ft	26,3ft	39,4ft	52,5ft	78,8ft	105,1ft	131,4ft	157,6ft	210,2ft	262,7ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	1,07A	230,2W	0,95	40lm/W

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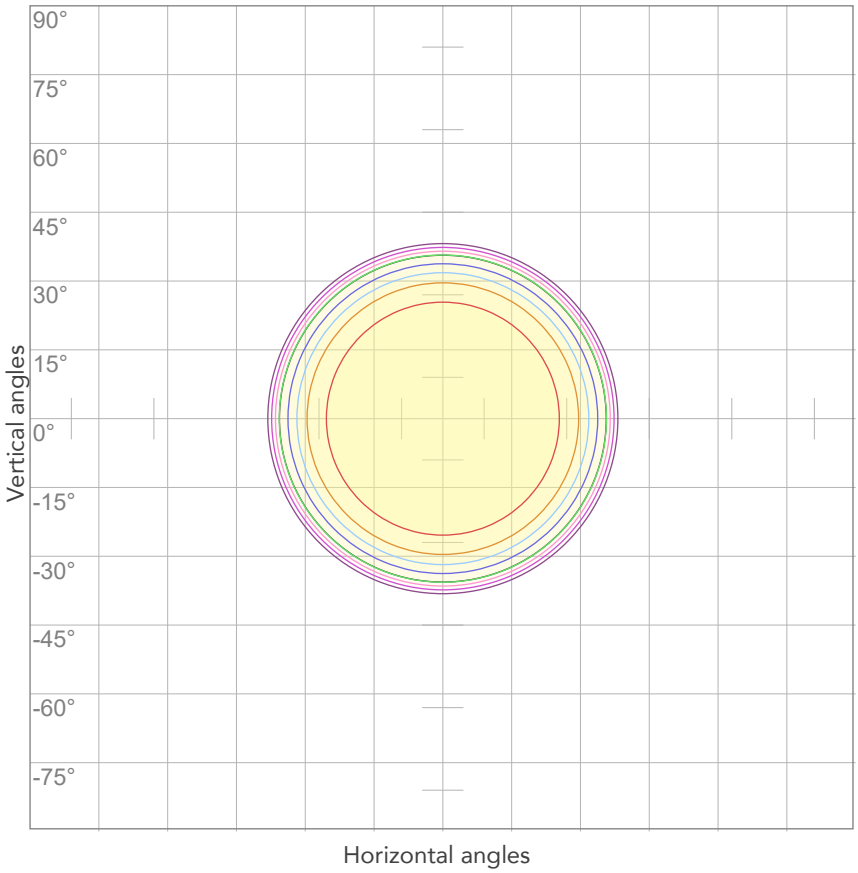
ISO DIAGRAMS

ISO CANDELA DIAGRAM



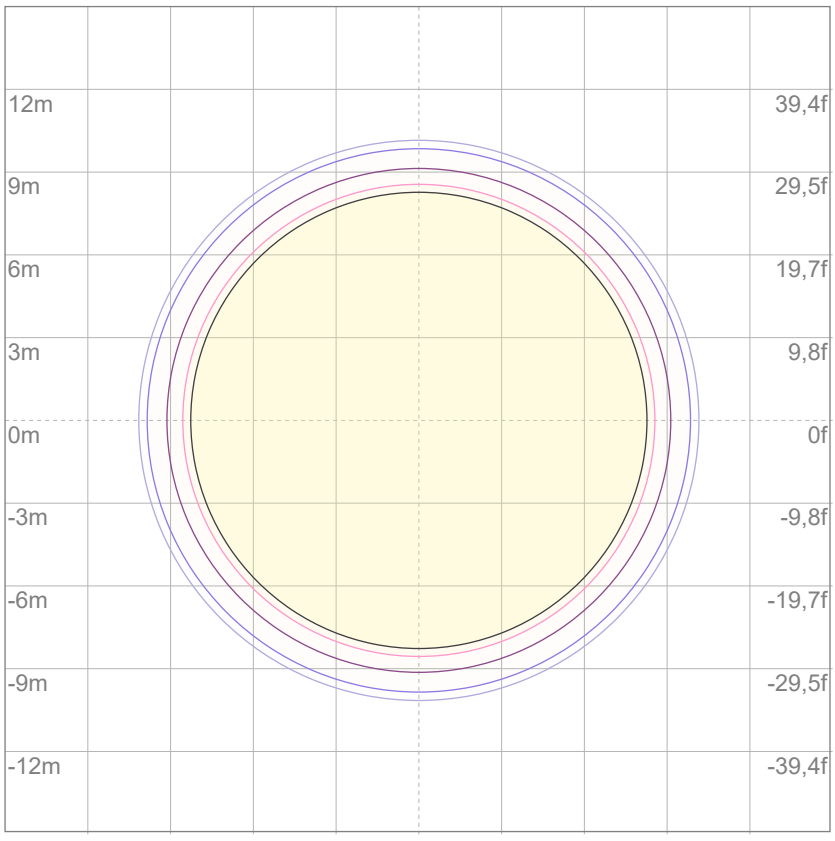
10%	709 cd
20%	1417 cd
30%	2126 cd
40%	2834 cd
50%	3543 cd
60%	4251 cd
70%	4960 cd
80%	5668 cd

Conditions:

Number of c-planes: 2

Candela at center: 7085 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,13 lx
5%	3,54 lx
10%	7,09 lx
30%	21,3 lx
50%	35,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 70,9 lx

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

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Total lumen output:

9245 lm

Peak candela output:

7105 cd

Light quality:

CRI: 96,7

Color temperature:

6010 K

PRODUCT NAME:

ECLCTPLUS

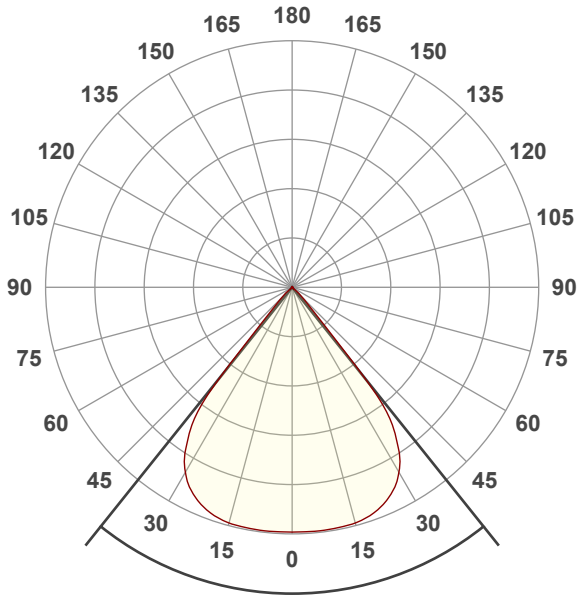
MEASURAMENT CONDITIONS:

Beam angle:
PRL90

Target:
6000K HQ

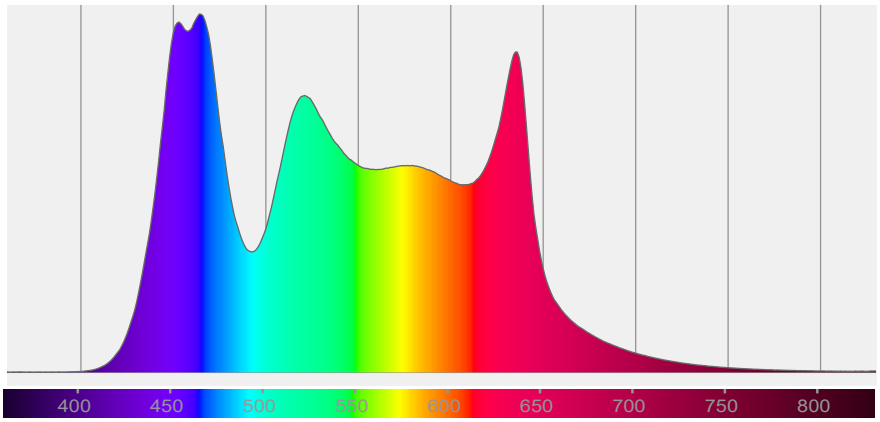
Operator:
Salvatore Giglio

Date and time:
11/04/2024 11:28:52

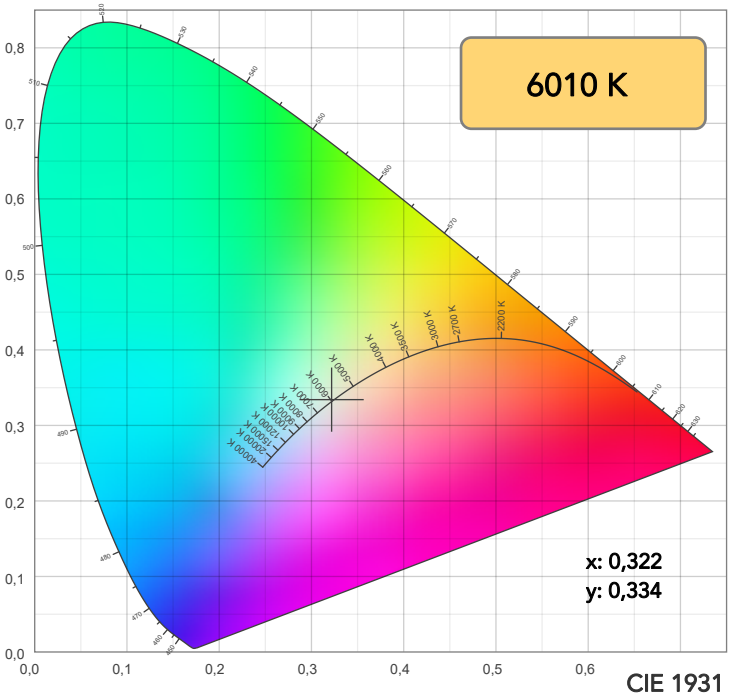


Beam angle 50%: 77,3°
Field angle 10%: 85,2°
Cut off angle 2.5%: 91,4°

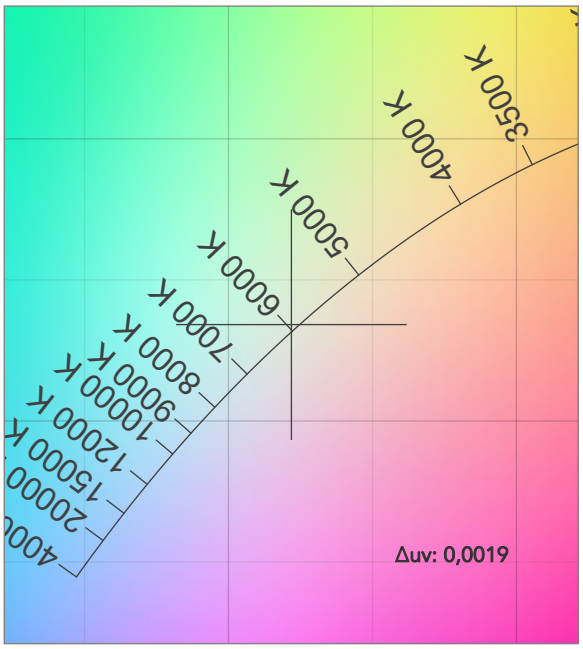
Spectra



COLOR DETAILS

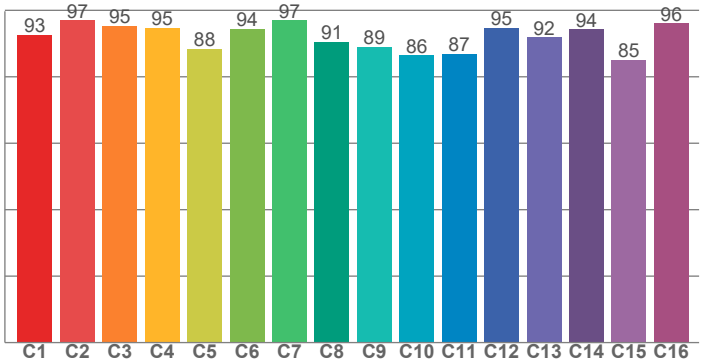


CIE 1931

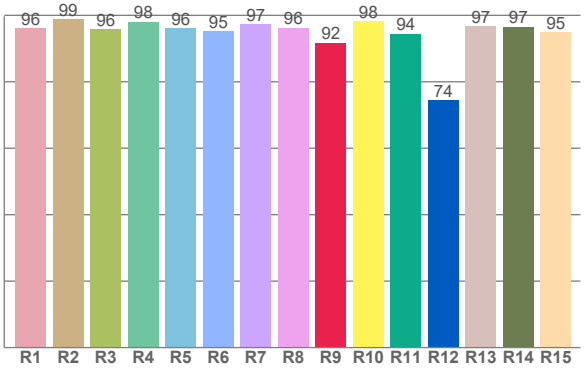


CIE 1931 ZOOM

TM30: 91,8



CRI: 96,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,0	98,9	95,8	98,1	96,2	95,3	97,3	96,3	91,8	98,2	94,4	74,5	96,7	96,6	94,9

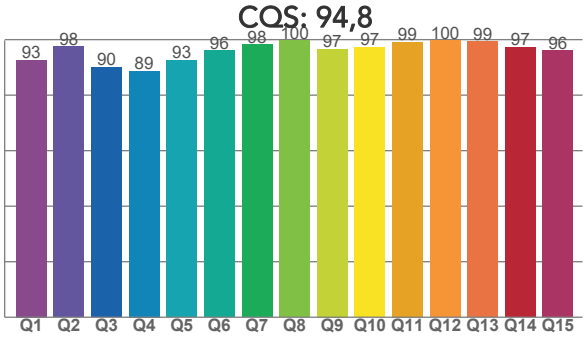
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,5	97,0	95,3	94,8	88,5	94,4	96,9	90,5	89,0	86,4	87,0	94,7	91,8	94,3	85,0	96,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,7	97,5	90,0	88,7	92,6	96,1	98,2	99,7	96,5	97,3	99,2	99,7	99,4	97,3	96,1

CQS: 94,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6010 K	96,7	91,8	91,8	100,1	94,8	96	0,322	0,334	0,0019

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TM30 DETAILS

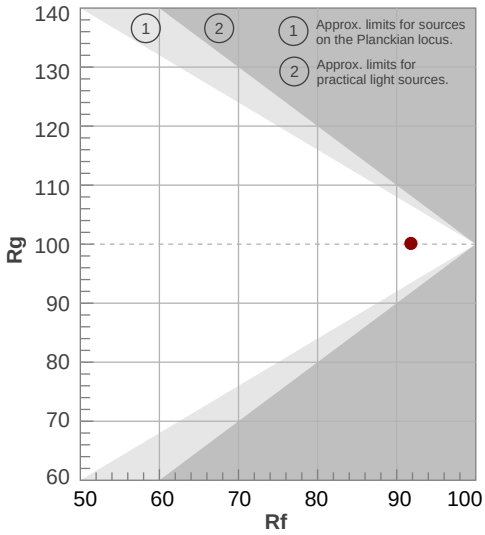
Rf 91,8

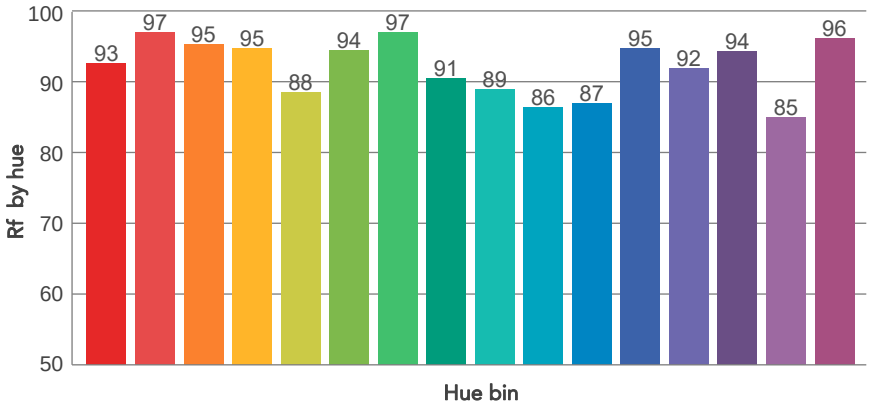
Fidelity index Rf

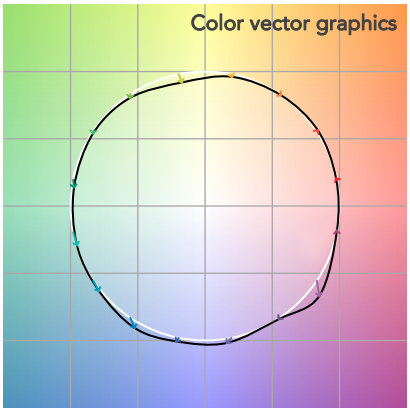
Rg 100,1

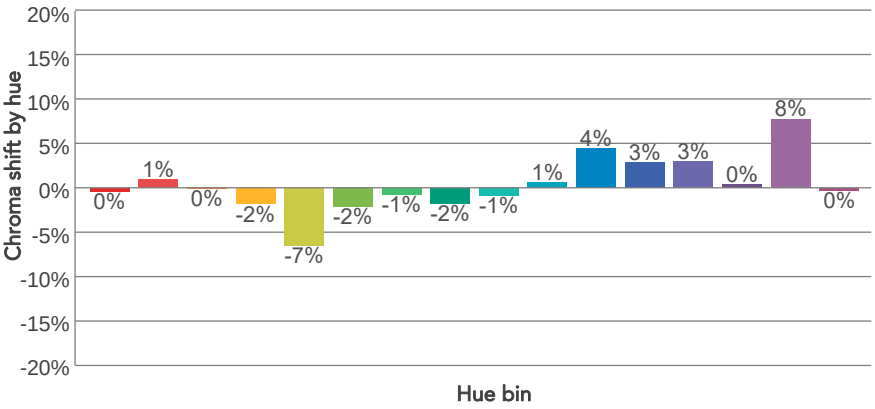
Gamut index

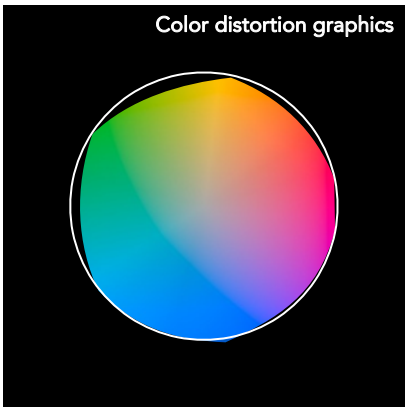
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	93	0%	1%
2	97	1%	0%
3	95	0%	-1%
4	95	-2%	-1%
5	88	-7%	-1%
6	94	-2%	2%
7	97	-1%	1%
8	91	-2%	5%
9	89	-1%	10%
10	86	1%	9%
11	87	4%	7%
12	95	3%	-1%
13	92	3%	-4%
14	94	0%	-1%
15	85	8%	-8%
16	96	0%	1%

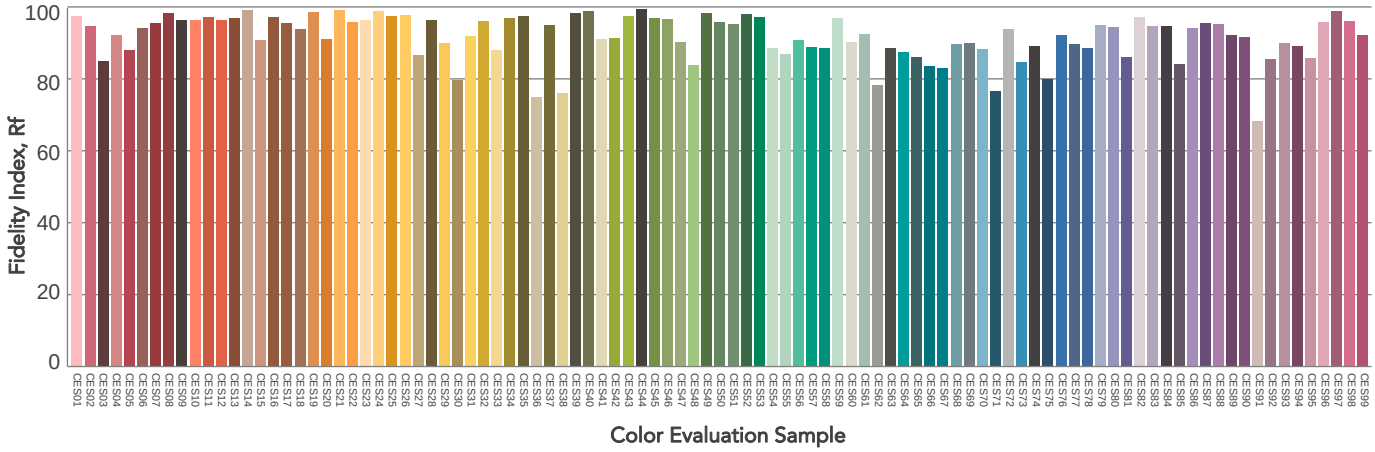












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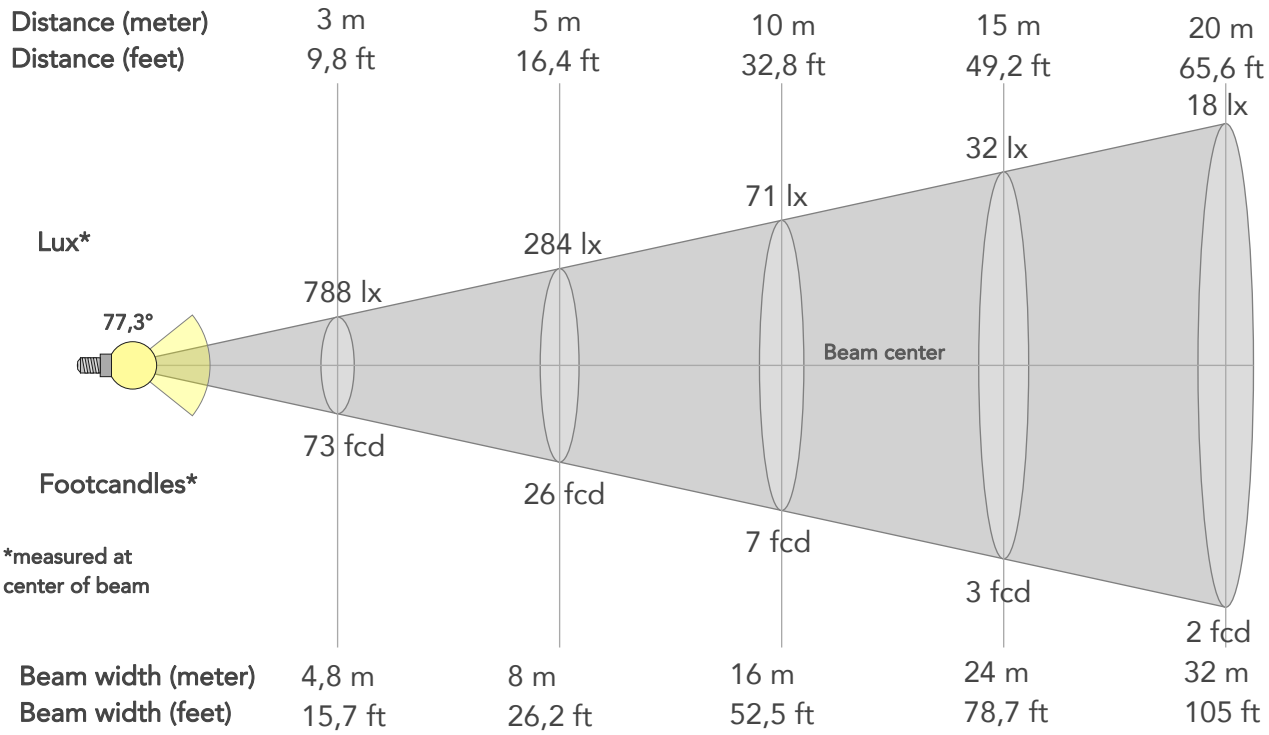
BEAM DETAILS

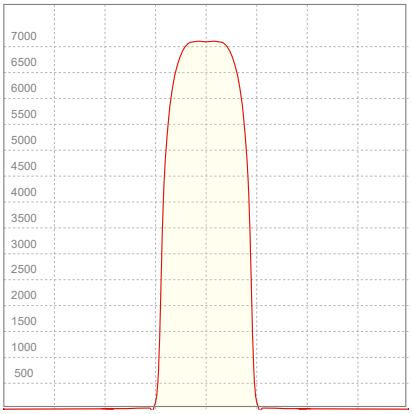
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,3°	85,2°	91,4°	99,3%	99,0%



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	7096lx	1774lx	788lx	443lx	284lx	126lx	71lx	32lx	18lx	11lx	8lx	4lx	3lx
Footcand.	659fcd	165fcd	73fcd	41fcd	26fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8m	12m	16m	24m	32m	40m	48m	64m	80m
Beam wid.	5,3ft	10,6ft	15,7ft	21ft	26,2ft	39,4ft	52,5ft	78,7ft	105ft	131,2ft	157,5ft	210ft	262,5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	1,09A	233,7W	0,95	40lm/W

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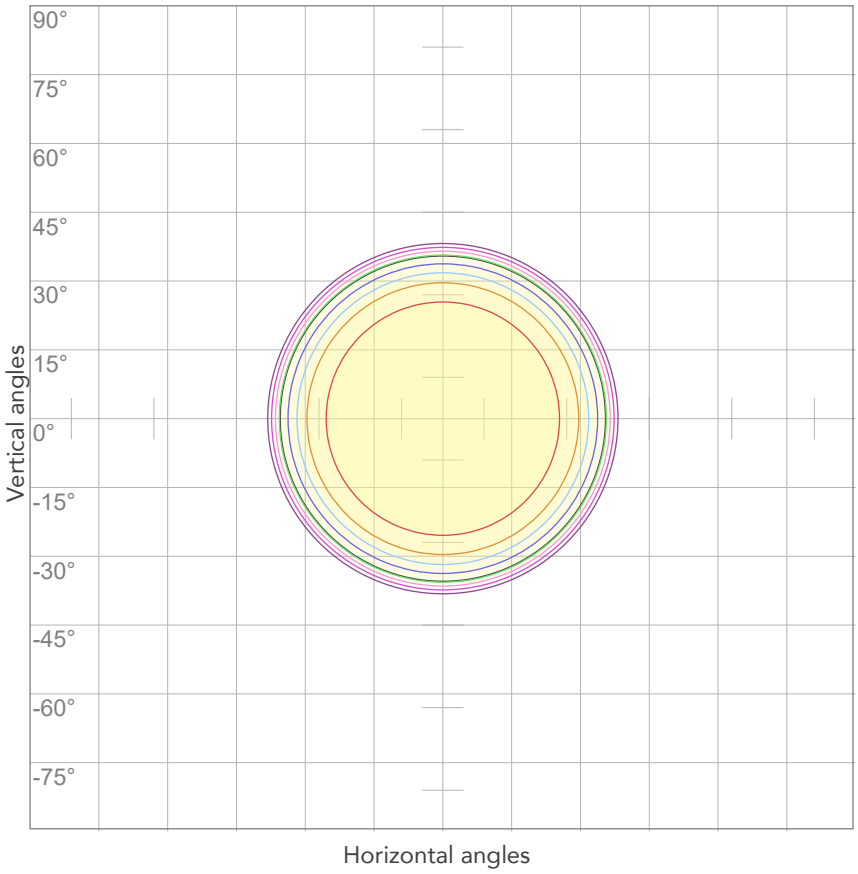
ISO DIAGRAMS

ISO CANDELA DIAGRAM



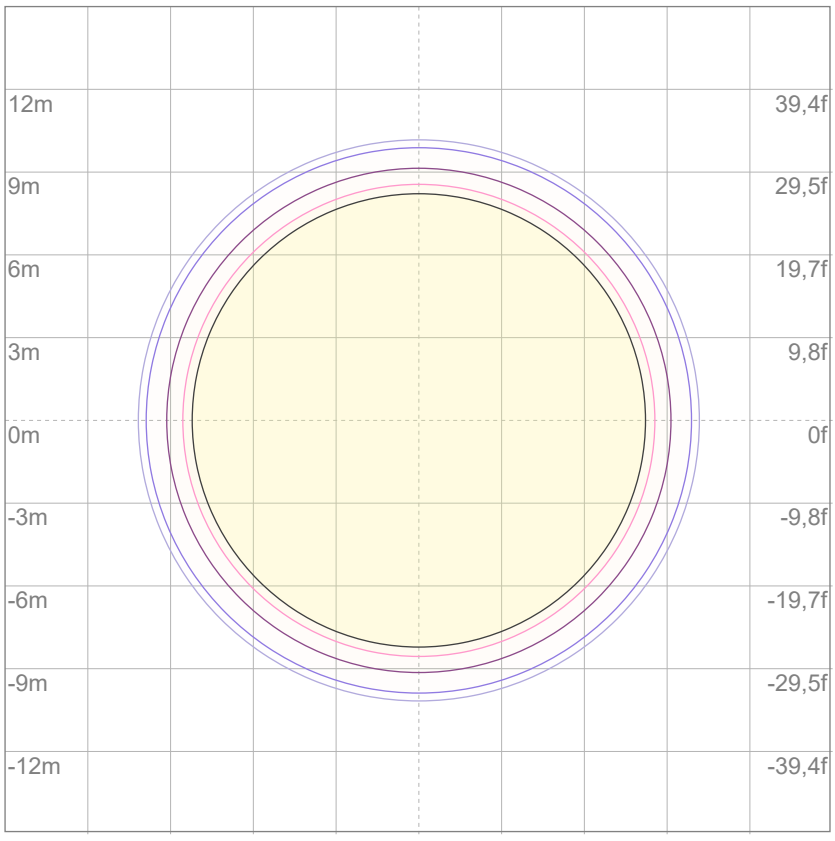
10%	710 cd
20%	1419 cd
30%	2129 cd
40%	2838 cd
50%	3548 cd
60%	4258 cd
70%	4967 cd
80%	5677 cd

Conditions:

Number of c-planes: 2

Candela at center: 7096 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,13 lx
5%	3,55 lx
10%	7,10 lx
30%	21,3 lx
50%	35,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 71,0 lx

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

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