

# Photometric Test Report



## ArcSpot XLFC

IP66 Spot featuring 11'600 lumen  
with 61 x 4W RGB + Warm White source,  
10° native

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<b>Color preset Red</b>	
Beam angle 10°	24
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Beam angle 10°+20° Filter	63
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Beam angle 10°+60° Filter	69
Beam angle 10°+10°x60° Filter	72
Beam angle 10°+30°x60° Filter	75

**Color preset White**

Beam angle 10°	78
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Beam angle 10°+40° Filter	88
Beam angle 10°+60° Filter	93
Beam angle 10°+10°x60° Filter	98
Beam angle 10°+30°x60° Filter	103

**Color preset 2800K**

Beam angle 10°	108
Beam angle 10°+20° Filter	113
Beam angle 10°+40° Filter	118
Beam angle 10°+60° Filter	123
Beam angle 10°+10°x60° Filter	128
Beam angle 10°+30°x60° Filter	133

**Color preset 3200K**

Beam angle 10°	138
Beam angle 10°+20° Filter	143
Beam angle 10°+40° Filter	148
Beam angle 10°+60° Filter	153
Beam angle 10°+10°x60° Filter	158
Beam angle 10°+30°x60° Filter	163

**Color preset 4000K**

Beam angle 10°	168
Beam angle 10°+20° Filter	173
Beam angle 10°+40° Filter	178
Beam angle 10°+60° Filter	183
Beam angle 10°+10°x60° Filter	188
Beam angle 10°+30°x60° Filter	193

**Color preset 5600K**

Beam angle 10°	198
Beam angle 10°+20° Filter	203
Beam angle 10°+40° Filter	208
Beam angle 10°+60° Filter	213
Beam angle 10°+10°x60° Filter	218
Beam angle 10°+30°x60° Filter	223

**Color preset 6500K**

Beam angle 10°	228
Beam angle 10°+20° Filter	233
Beam angle 10°+40° Filter	238
Beam angle 10°+60° Filter	243
Beam angle 10°+10°x60° Filter	248
Beam angle 10°+30°x60° Filter	253

## 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:

11684 lm

Peak candela output:

218197 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

Native Optic - 10°

Target:

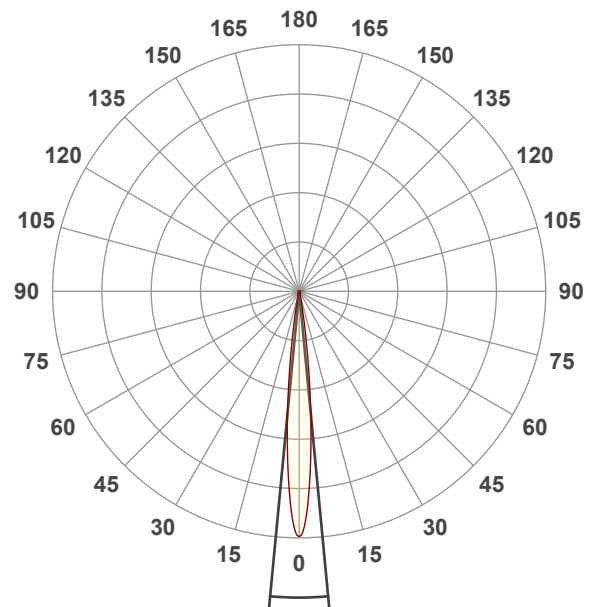
Full On

Operator:

Salvatore Giglio

Date and time:

24/04/2024 09:42:49

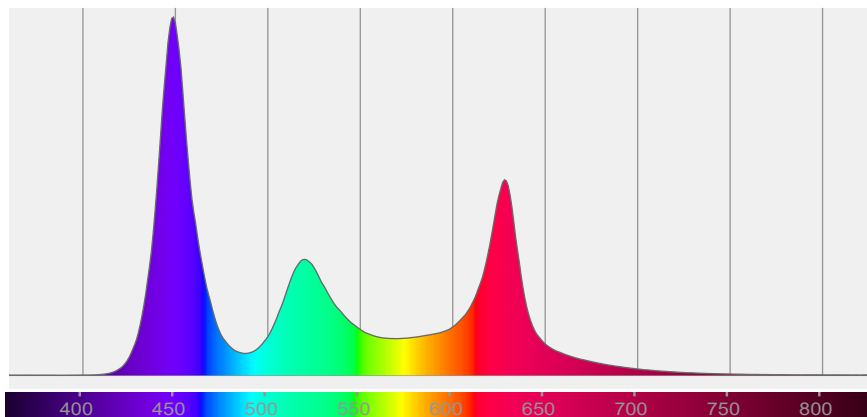


Beam angle 50%: 10,9°

Field angle 10%: 19,6°

Cut off angle 2.5%: 27°

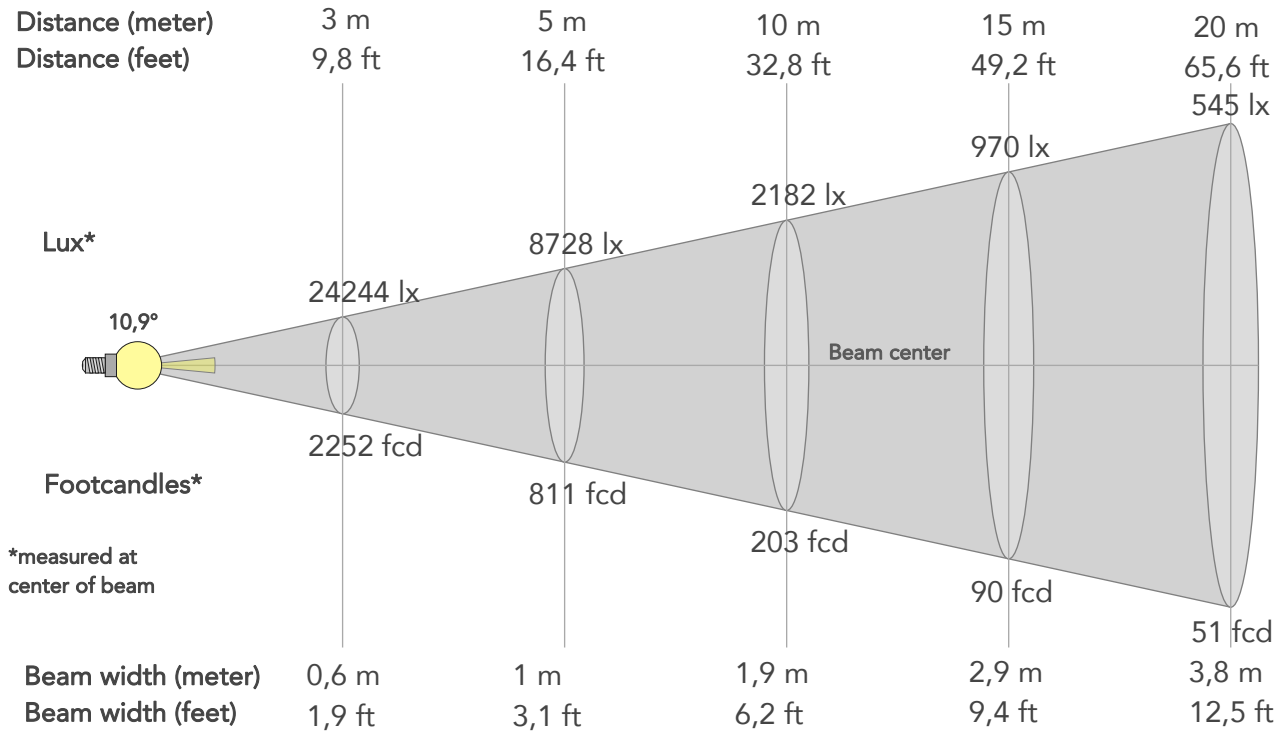
Spectra



# BEAM DETAILS



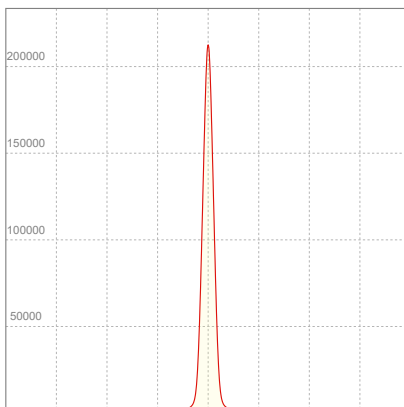
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,9°	19,6°	27°	96,8%	93,2%



## 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	218197lx	54549lx	24244lx	13637lx	8728lx	3879lx	2182lx	970lx	545lx	349lx	242lx	136lx	87lx
Footcand.	20271fcd	5068fcd	2252fcd	1267fcd	811fcd	360fcd	203fcd	90fcd	51fcd	32fcd	23fcd	13fcd	8fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,8m	4,8m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,2ft	9,4ft	12,5ft	15,6ft	18,7ft	24,9ft	31,2ft

## LINEAR DISTRIBUTION DIAGRAM

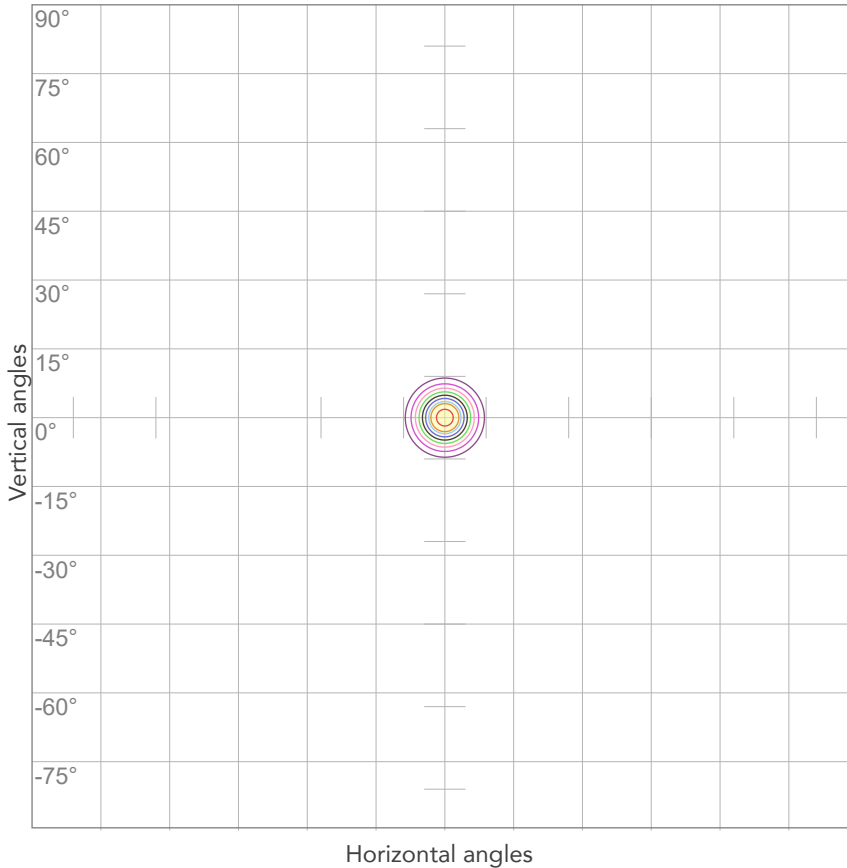


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,998A	212,7W	0,94	55lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



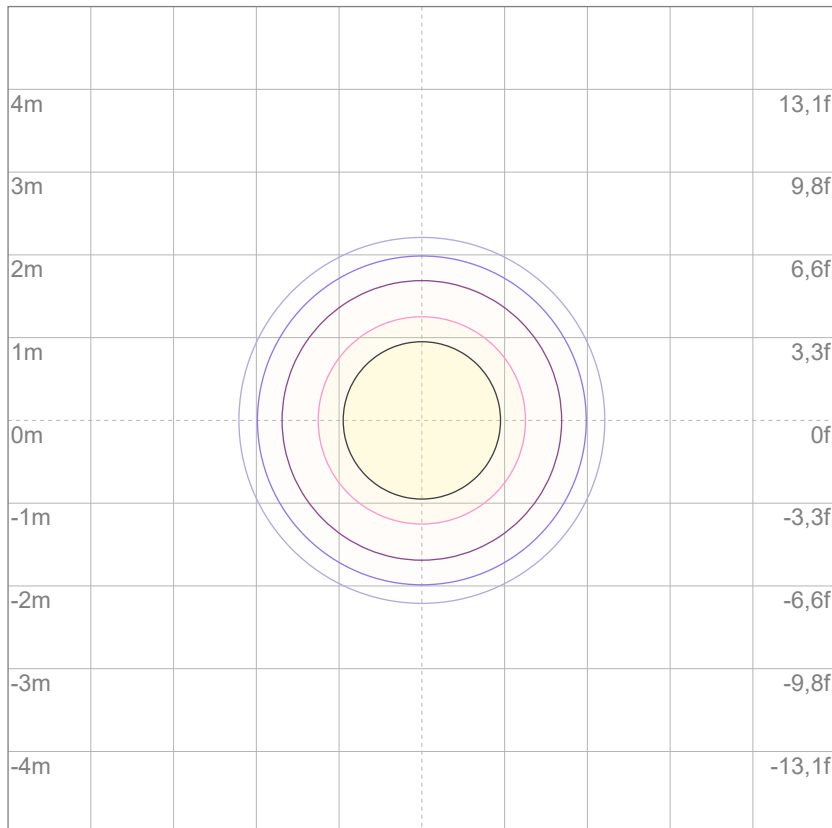
10%	21820 cd
20%	43639 cd
30%	65459 cd
40%	87279 cd
50%	109099 cd
60%	130918 cd
70%	152738 cd
80%	174558 cd

Conditions:

Number of c-planes: 2

Candela at center: 218197 cd

## ISO LUX DIAGRAM



3%	65,5 lx
5%	109 lx
10%	218 lx
30%	655 lx
50%	1091 lx

Conditions:

Number of c-planes: 2

Lux at center: 2182 lx

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

Mounting height: 10 meters (33 feet)





Total lumen output:

10509 lm

Peak candela output:

42533 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20°Filter

Target:

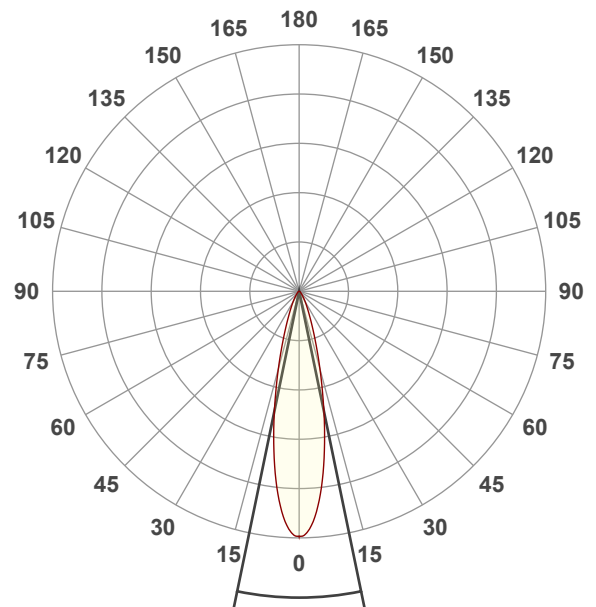
Full On

Operator:

Salvatore Giglio

Date and time:

25/10/2024 15:09:24

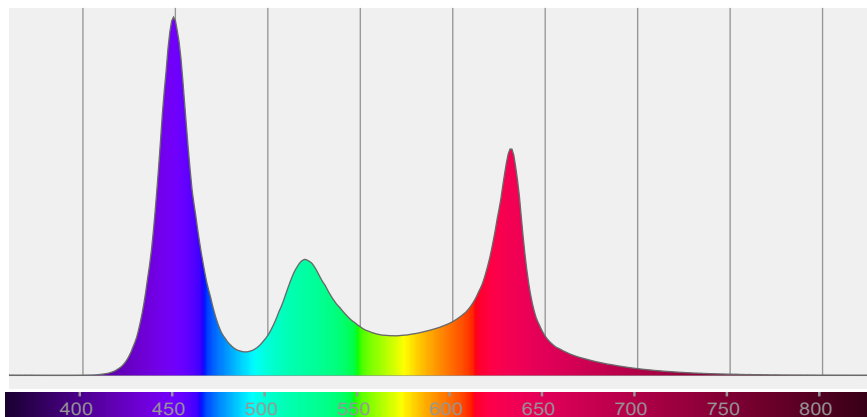


Beam angle 50%: 23,3°

Field angle 10%: 47,4°

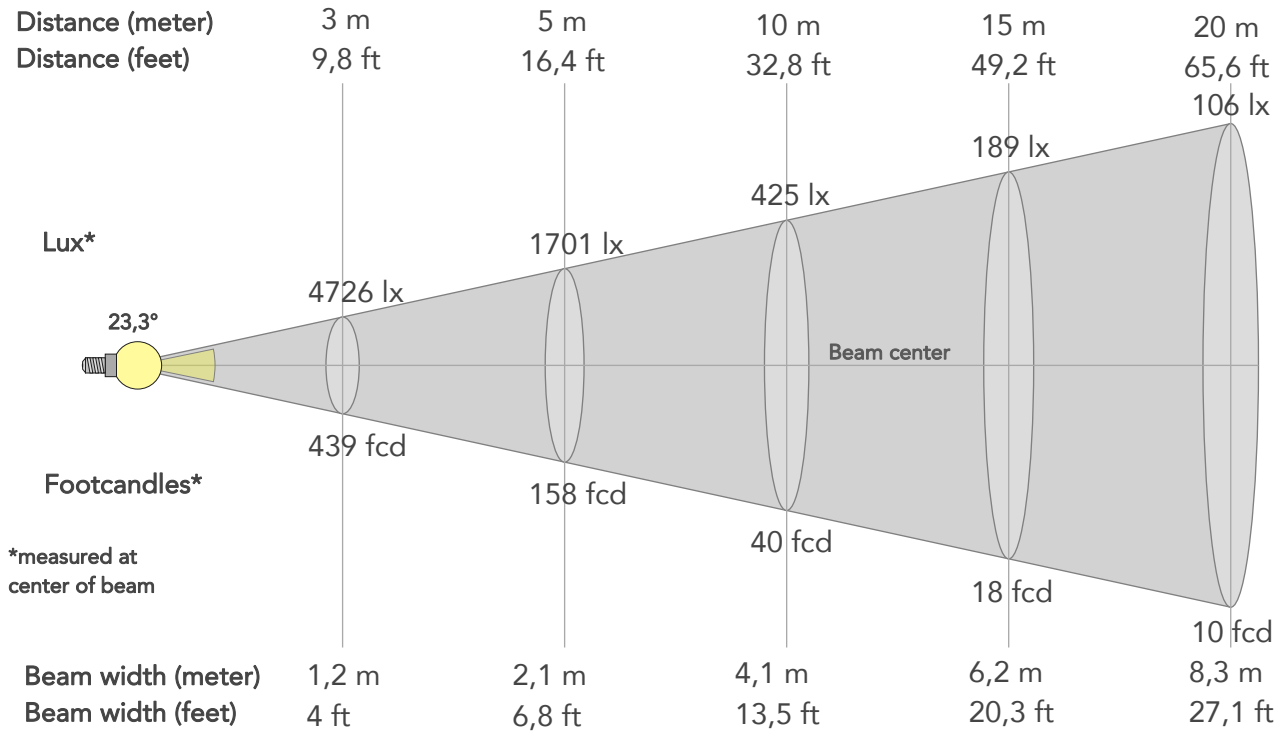
Cut off angle 2.5%: 72,8°

Spectra



# BEAM DETAILS

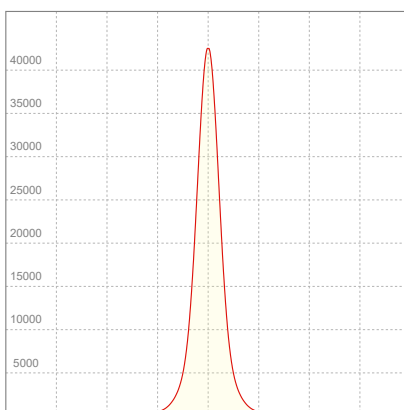
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
<b>23,3°</b>	<b>47,4°</b>	<b>72,8°</b>	<b>97,7%</b>	<b>93,6%</b>



## 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	42533lx	10633lx	4726lx	2658lx	1701lx	756lx	425lx	189lx	106lx	68lx	47lx	27lx	17lx
Footcand.	3951fcd	988fcd	439fcd	247fcd	158fcd	70fcd	40fcd	18fcd	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	10,3m	12,4m	16,5m	20,7m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,8ft	10,2ft	13,5ft	20,3ft	27,1ft	33,9ft	40,6ft	54,2ft	67,7ft

## LINEAR DISTRIBUTION DIAGRAM

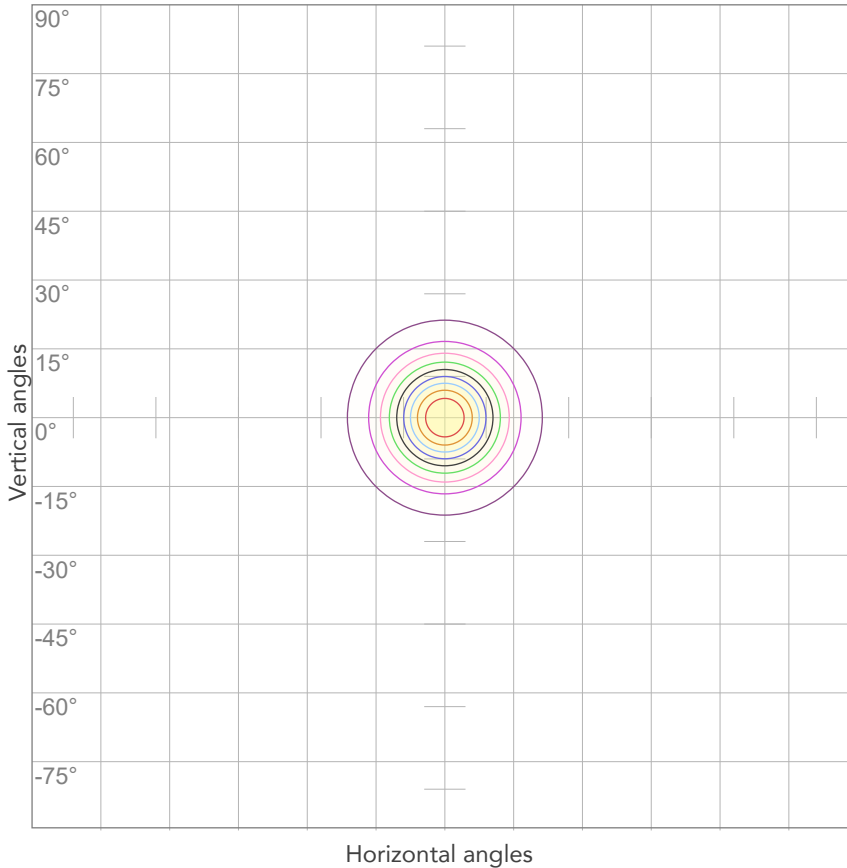


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
<b>226V</b>	<b>1,01A</b>	<b>214,3W</b>	<b>0,94</b>	<b>49lm/W</b>

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



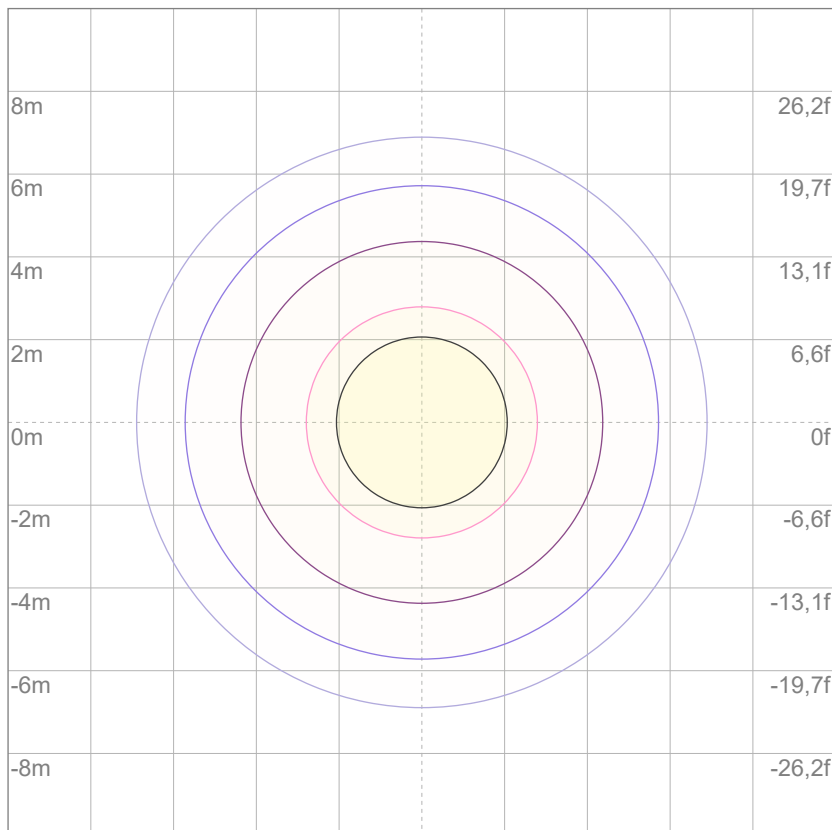
10%	4253 cd
20%	8507 cd
30%	12760 cd
40%	17013 cd
50%	21267 cd
60%	25520 cd
70%	29773 cd
80%	34027 cd

Conditions:

Number of c-planes: 2

Candela at center: 42533 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	12,8 lx
5%	21,3 lx
10%	42,5 lx
30%	128 lx
50%	213 lx

Conditions:

Number of c-planes: 2

Lux at center: 425 lx

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



Total lumen output:

10199 lm

Peak candela output:

12639 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

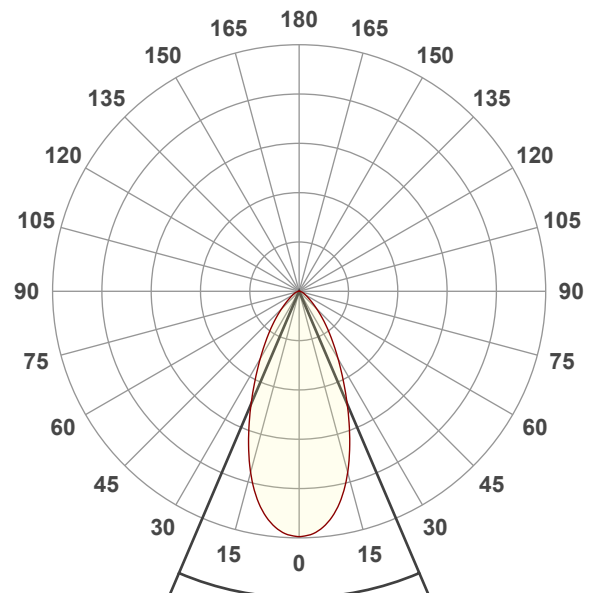
Full On

Operator:

Salvatore Giglio

Date and time:

24/04/2024 11:20:23

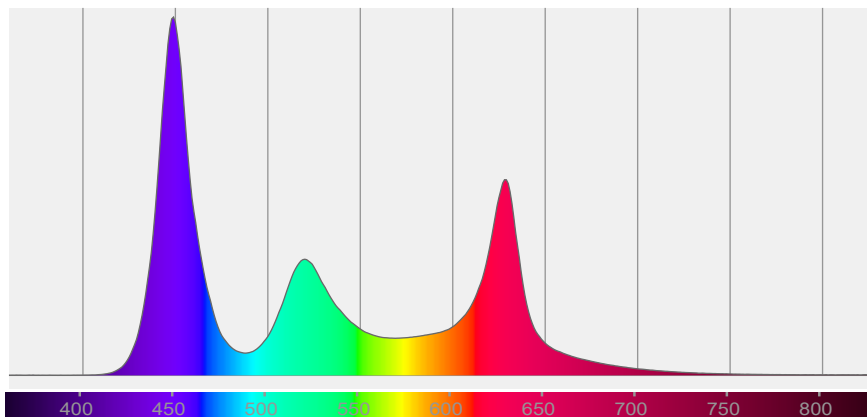


Beam angle 50%: 46,2°

Field angle 10%: 90,5°

Cut off angle 2.5%: 126,6°

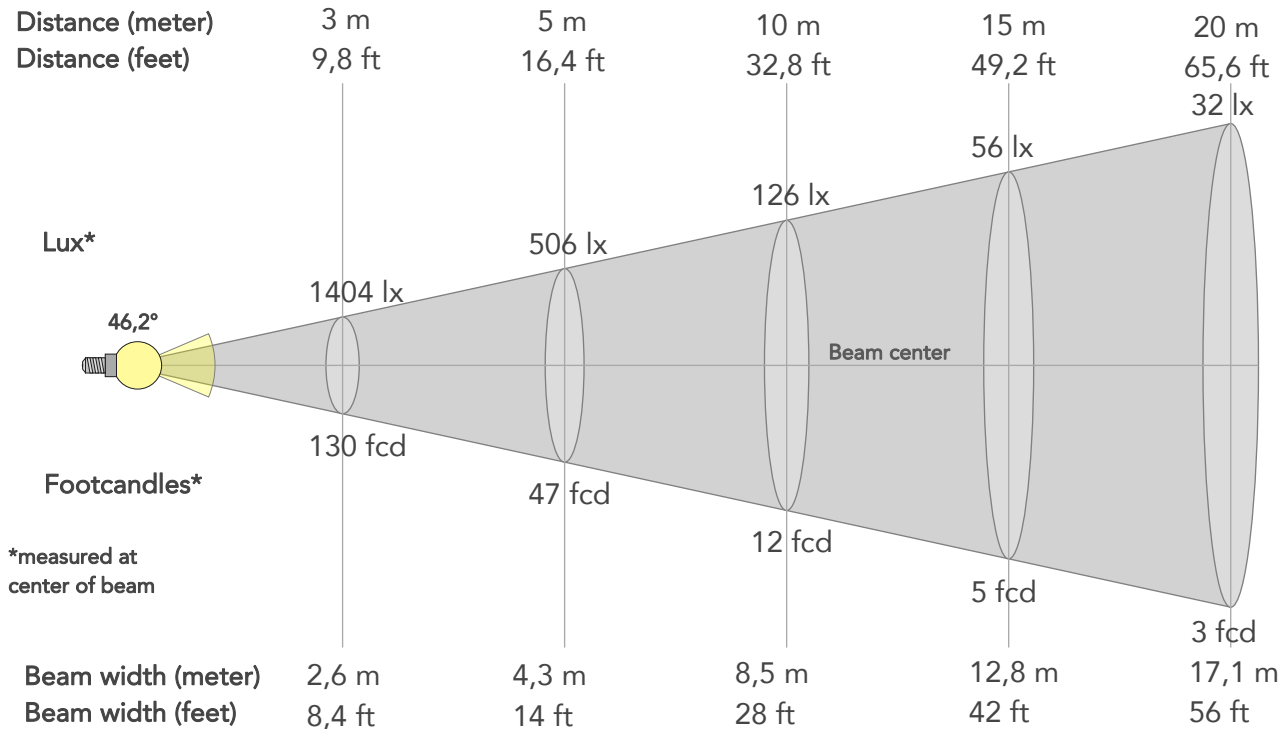
Spectra



# BEAM DETAILS



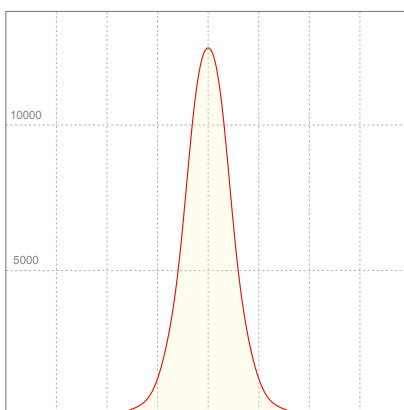
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,2°	90,5°	126,6°	95,0%	85,9%



## 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	12639lx	3160lx	1404lx	790lx	506lx	225lx	126lx	56lx	32lx	20lx	14lx	8lx	5lx
Footcand.	1174fcd	294fcd	130fcd	73fcd	47fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,4m	4,3m	6,4m	8,5m	12,8m	17,1m	21,3m	25,6m	34,1m	42,6m
Beam wid.	2,8ft	5,6ft	8,4ft	11,2ft	14ft	21ft	28ft	42ft	56ft	69,9ft	83,9ft	111,9ft	139,9ft

## LINEAR DISTRIBUTION DIAGRAM

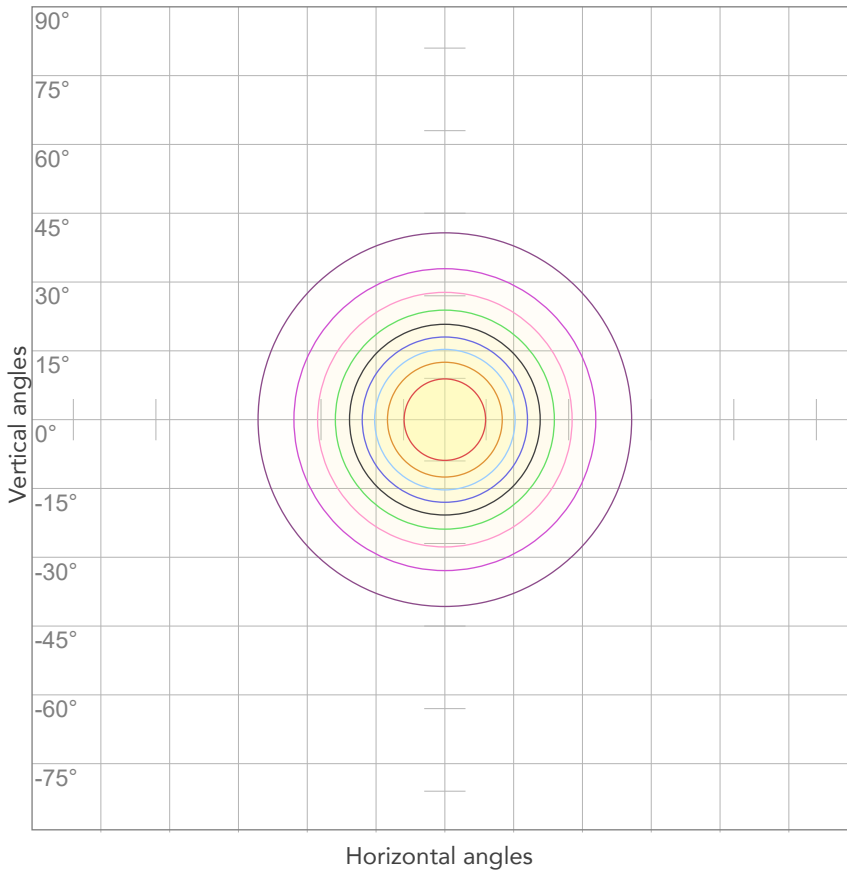


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,000A	213,6W	0,94	48lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



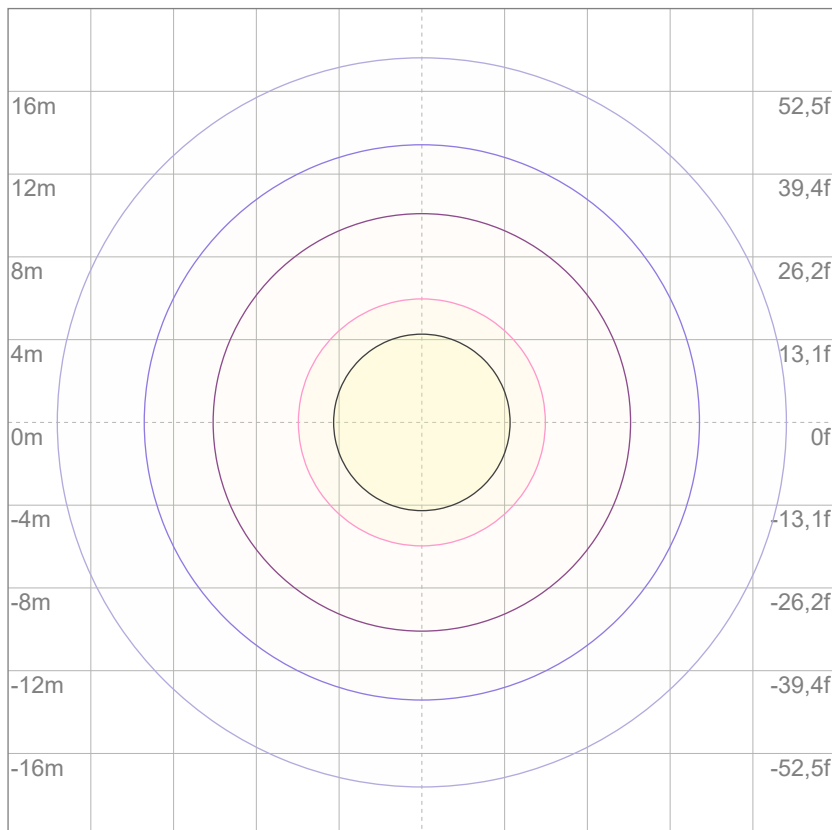
10%	1264 cd
20%	2528 cd
30%	3792 cd
40%	5056 cd
50%	6319 cd
60%	7583 cd
70%	8847 cd
80%	10111 cd

Conditions:

Number of c-planes: 2

Candela at center: 12639 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,79 lx
5%	6,32 lx
10%	12,6 lx
30%	37,9 lx
50%	63,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 126 lx

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



Total lumen output:

10353 lm

Peak candela output:

9365 cd

PRODUCT NAME:

ARCSPOTXLFC

MEASUREMENT CONDITIONS:

Beam angle:

10° + 60°Filter

Target:

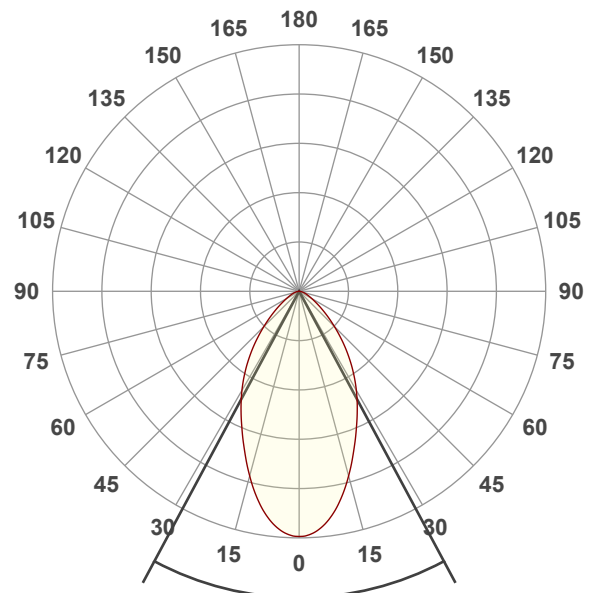
Full On

Operator:

Salvatore Giglio

Date and time:

25/10/2024 13:14:06

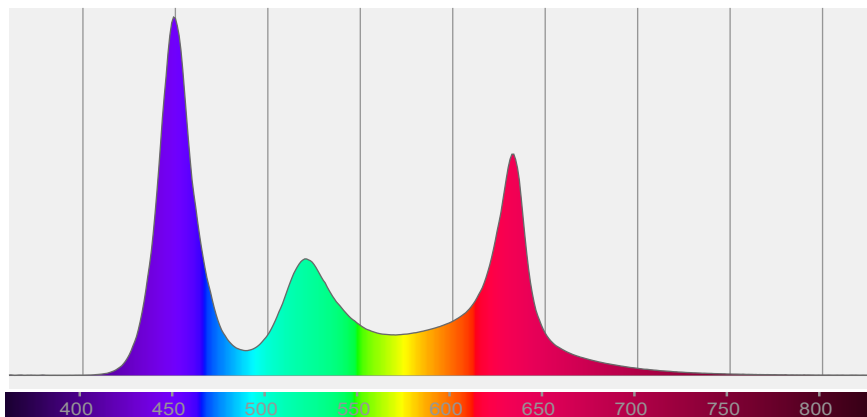


Beam angle 50%: 56,4°

Field angle 10%: 107,9°

Cut off angle 2.5%: 142,7°

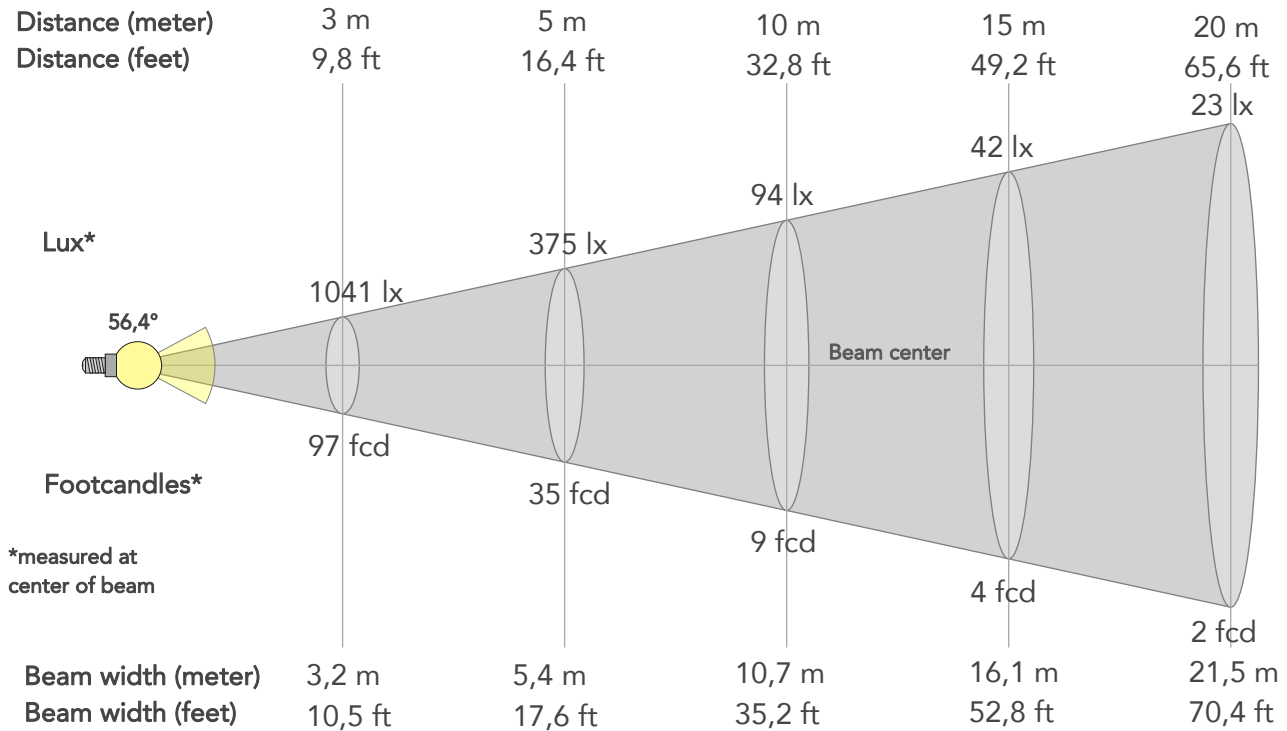
Spectra



# BEAM DETAILS



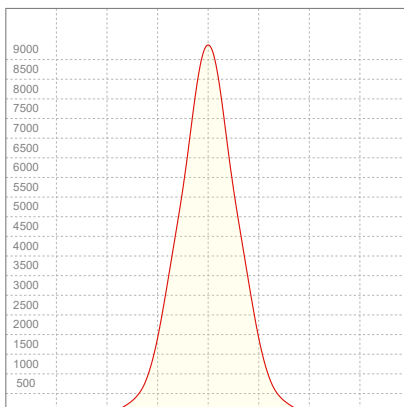
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,4°	107,9°	142,7°	94,1%	80,3%



## 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	9365lx	2341lx	1041lx	585lx	375lx	166lx	94lx	42lx	23lx	15lx	10lx	6lx	4lx
Footcand.	870fcd	218fcd	97fcd	54fcd	35fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
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	87,9ft	105,5ft	140,7ft	175,9ft

## LINEAR DISTRIBUTION DIAGRAM



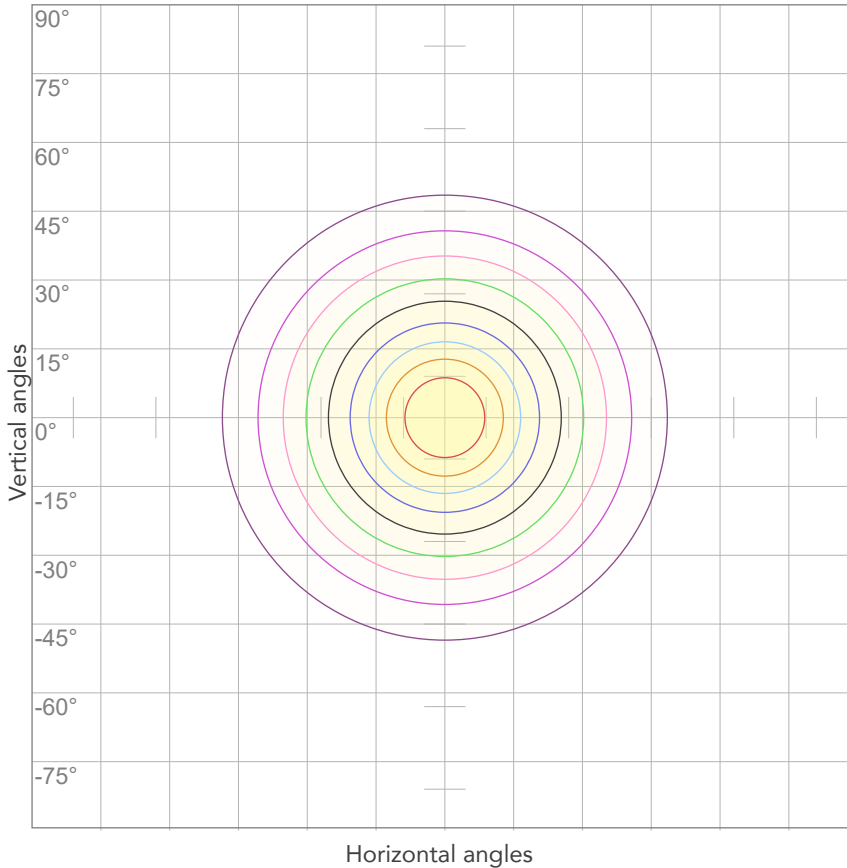
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,987A	211,1W	0,94	49lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



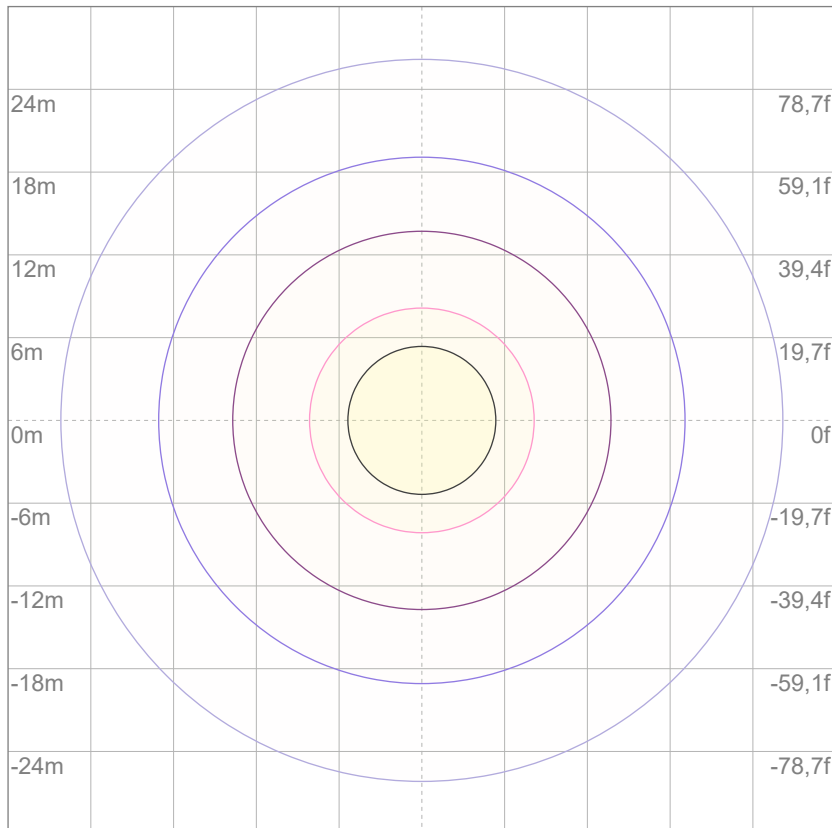
10%	936 cd
20%	1873 cd
30%	2809 cd
40%	3746 cd
50%	4682 cd
60%	5619 cd
70%	6555 cd
80%	7492 cd

Conditions:

Number of c-planes: 2

Candela at center: 9365 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,81 lx
5%	4,68 lx
10%	9,36 lx
30%	28,1 lx
50%	46,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 93,6 lx

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



Total lumen output:

13811 lm

Peak candela output:

30041 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

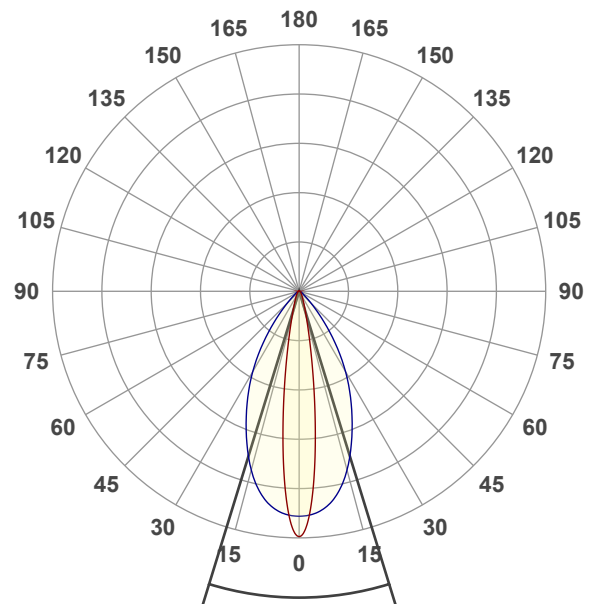
Full On

Operator:

Salvatore Giglio

Date and time:

24/04/2024 12:22:49

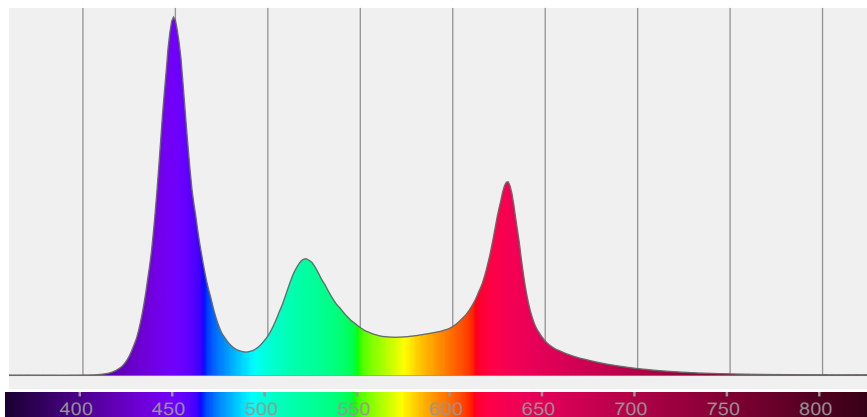


Beam angle 50%: 34,2°

Field angle 10%: 59,2°

Cut off angle 2.5%: 83,7°

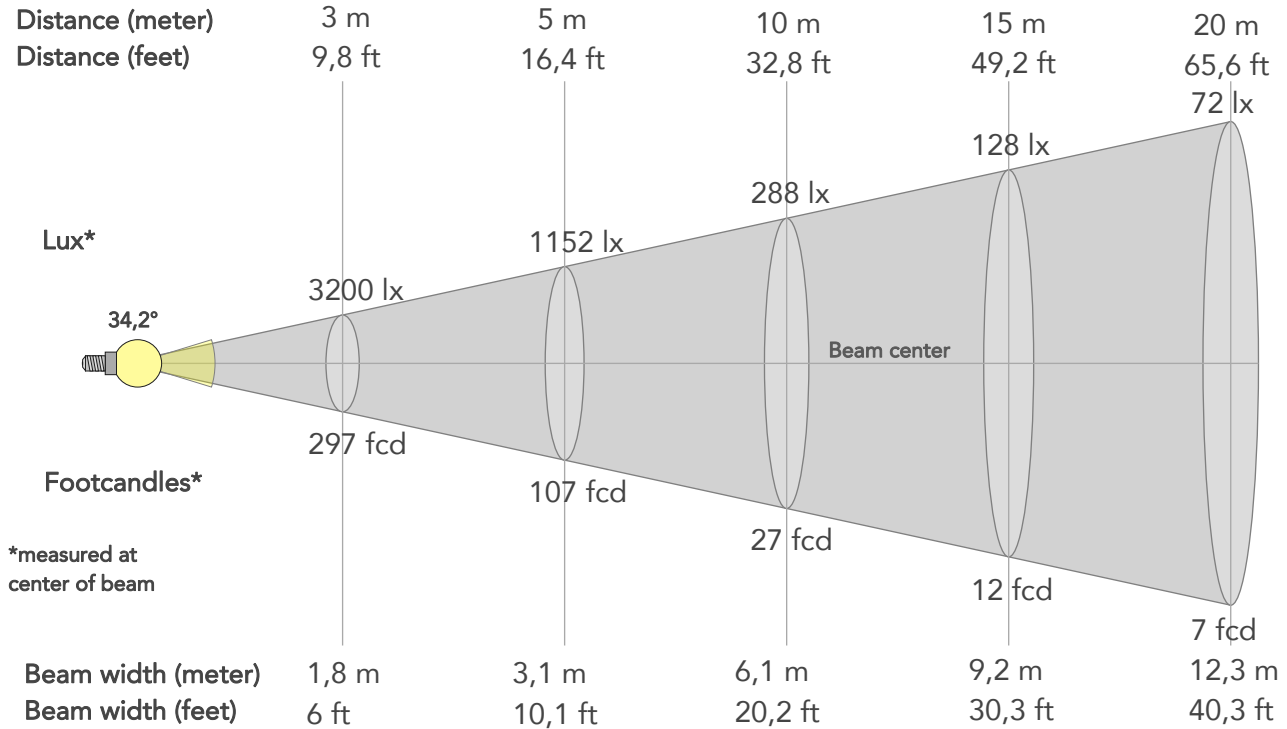
Spectra



# BEAM DETAILS



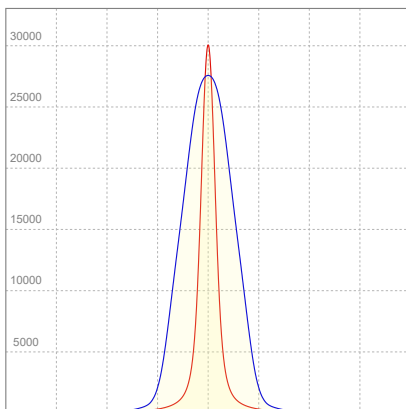
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,2°	59,2°	83,7°	97,0%	91,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	28800lx	7200lx	3200lx	1800lx	1152lx	512lx	288lx	128lx	72lx	46lx	32lx	18lx	12lx
Footcand.	2676fcd	669fcd	297fcd	167fcd	107fcd	48fcd	27fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,5m	3,1m	4,6m	6,1m	9,2m	12,3m	15,4m	18,4m	24,6m	30,7m
Beam wid.	2ft	4,1ft	6ft	8,1ft	10,1ft	15,1ft	20,2ft	30,3ft	40,3ft	50,4ft	60,5ft	80,7ft	100,9ft

## LINEAR DISTRIBUTION DIAGRAM

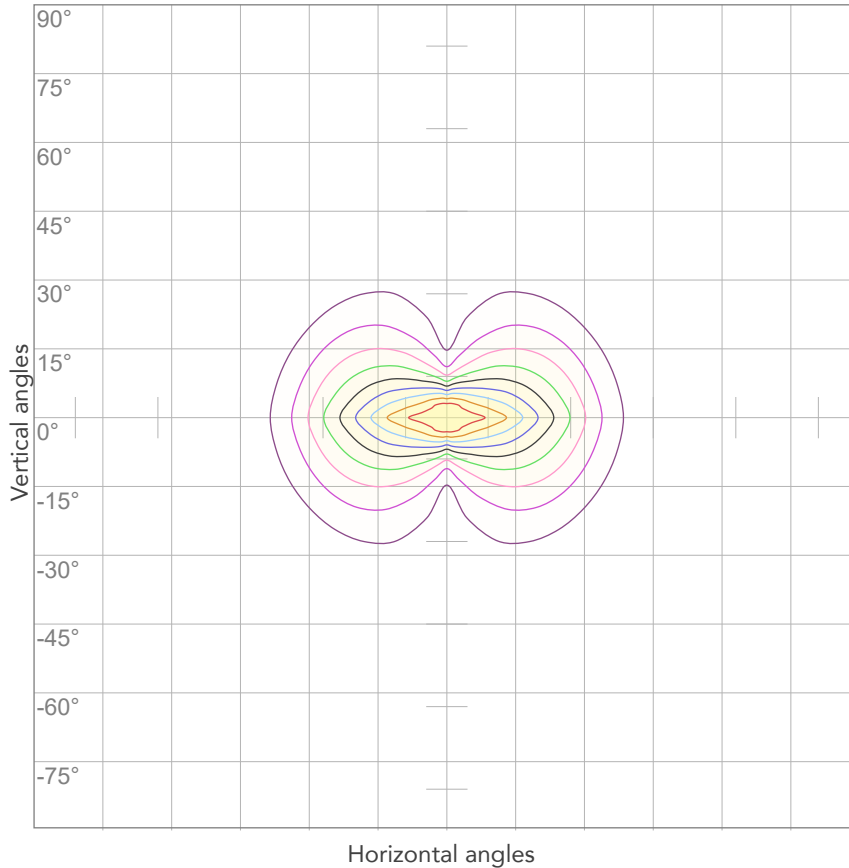


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,993A	212,6W	0,95	65lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



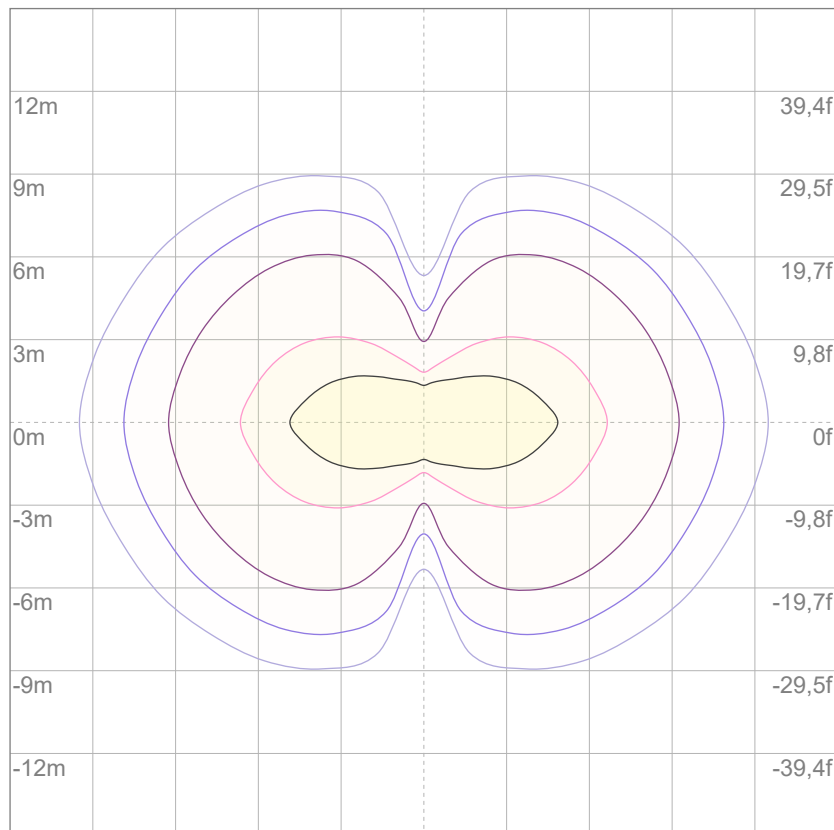
10%	2880 cd
20%	5760 cd
30%	8640 cd
40%	11520 cd
50%	14400 cd
60%	17280 cd
70%	20160 cd
80%	23040 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 28800 cd

## ISO LUX DIAGRAM



3%	8,64 lx
5%	14,4 lx
10%	28,8 lx
30%	86,4 lx
50%	144 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 288 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

10461 lm

Peak candela output:

15785 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

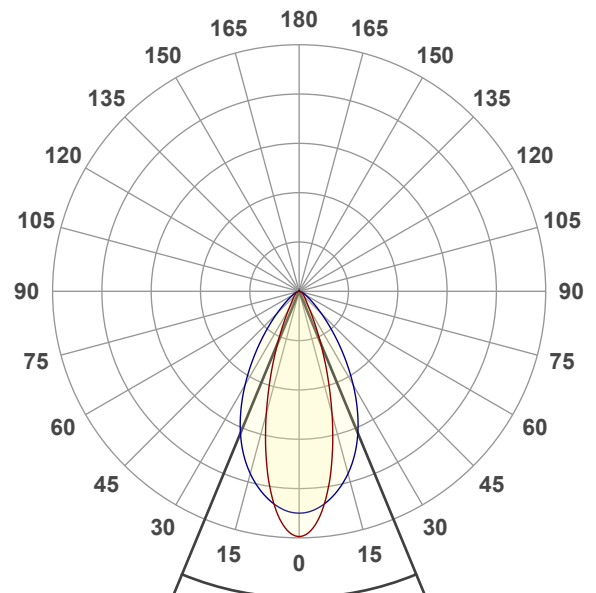
Full On

Operator:

Salvatore Giglio

Date and time:

28/10/2024 11:26:49

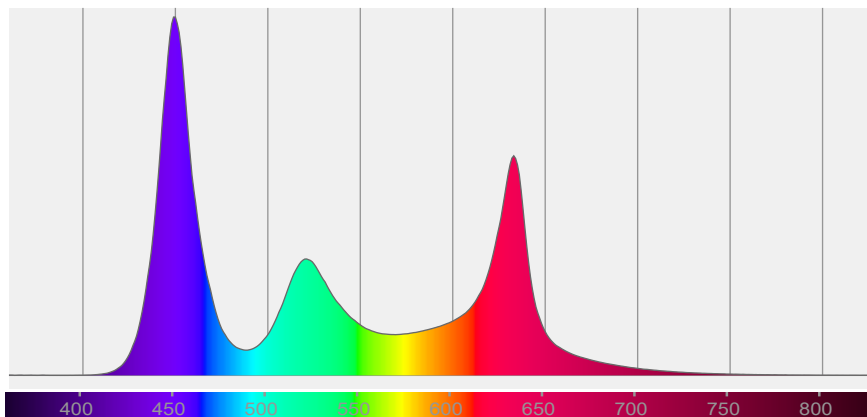


Beam angle 50%: 45°

Field angle 10%: 77,2°

Cut off angle 2.5%: 112,1°

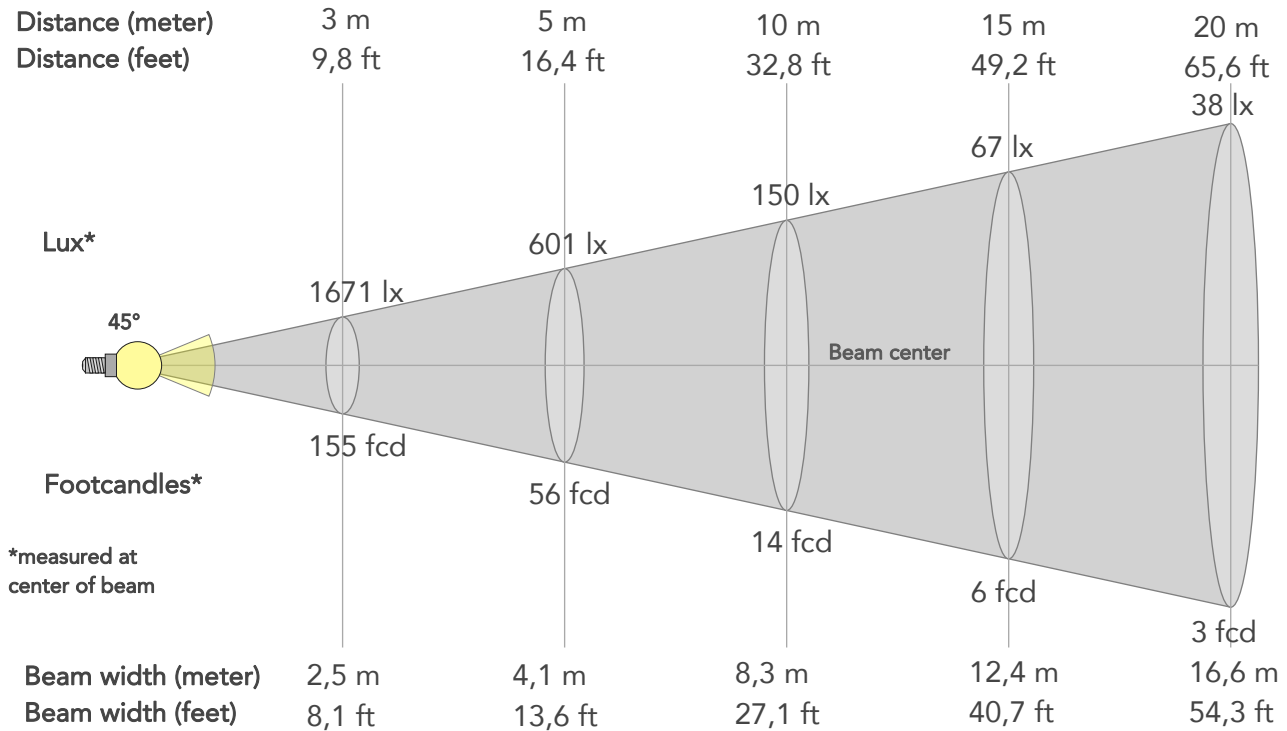
Spectra



# BEAM DETAILS



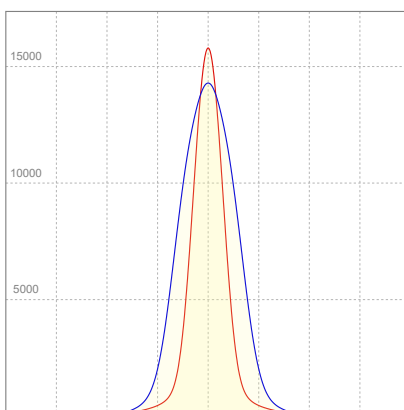
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,2°	112,1°	96,1%	87,7%



## 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	15036lx	3759lx	1671lx	940lx	601lx	267lx	150lx	67lx	38lx	24lx	17lx	9lx	6lx
Footcand.	1397fcd	349fcd	155fcd	87fcd	56fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,8m	33,1m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,8ft	13,6ft	20,4ft	27,1ft	40,7ft	54,3ft	67,9ft	81,4ft	108,6ft	135,7ft

## LINEAR DISTRIBUTION DIAGRAM

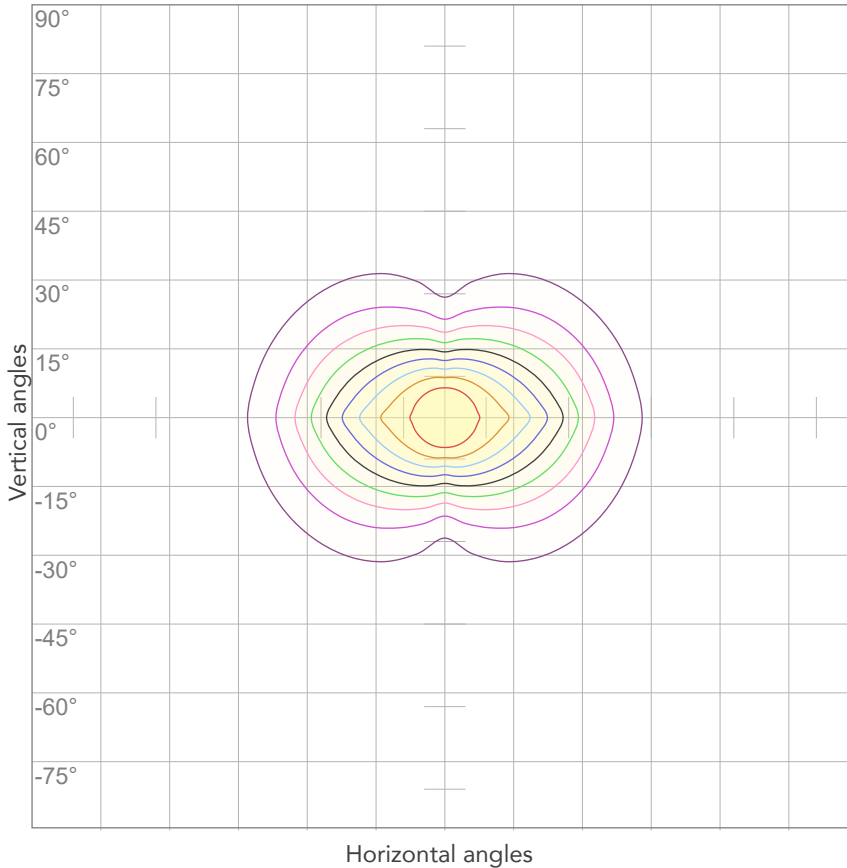


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,989A	210,4W	0,94	50lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



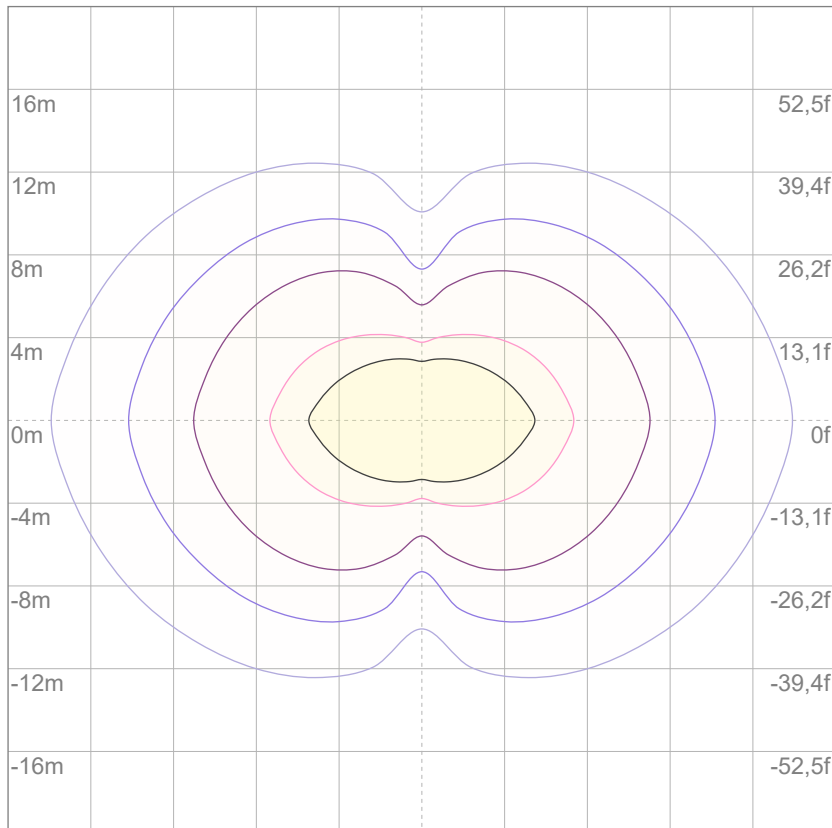
10%	1504 cd
20%	3007 cd
30%	4511 cd
40%	6014 cd
50%	7518 cd
60%	9021 cd
70%	10525 cd
80%	12029 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 15036 cd

## ISO LUX DIAGRAM



3%	4,51 lx
5%	7,52 lx
10%	15,0 lx
30%	45,1 lx
50%	75,2 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 150 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

3746 lm

Peak candela output:

61860 cd

PRODUCT NAME:

ARCSPOTXLFC

MEASUREMENT CONDITIONS:

Beam angle:

Native Optic - 10°

Target:

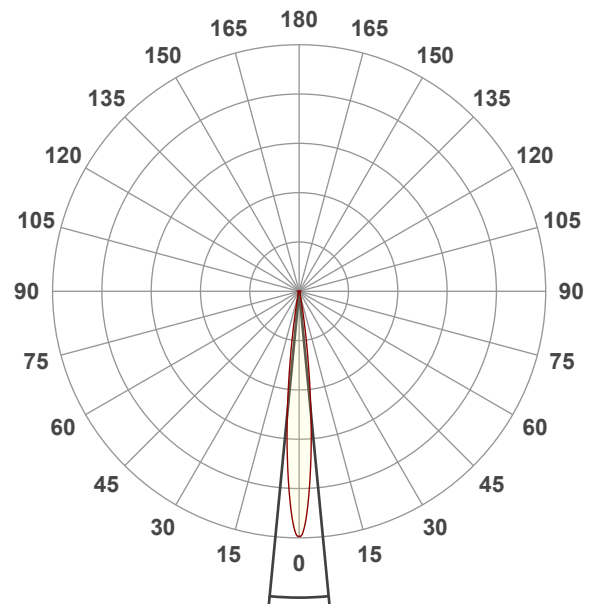
Red

Operator:

Salvatore Giglio

Date and time:

24/04/2024 09:44:31

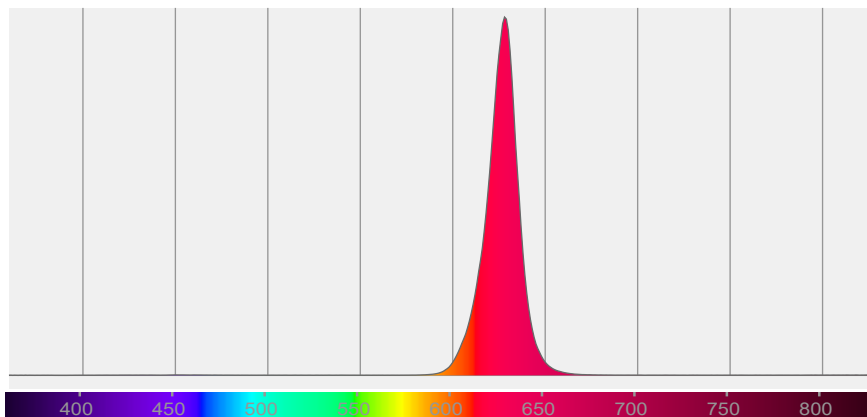


Beam angle 50%: 11,1°

Field angle 10%: 19,8°

Cut off angle 2.5%: 28°

Spectra

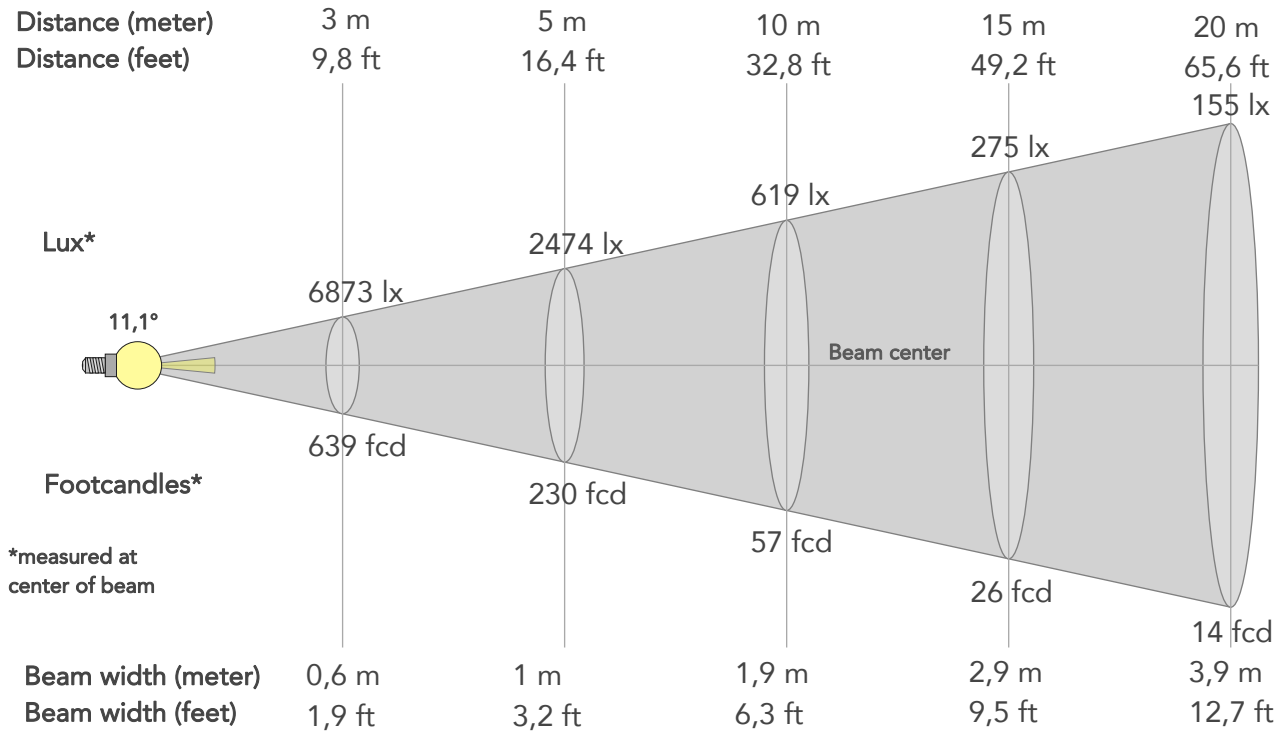




# BEAM DETAILS



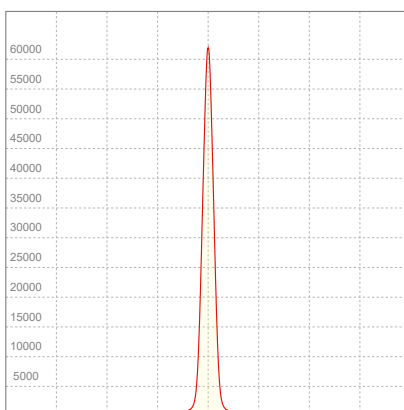
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,1°	19,8°	28°	92,2%	87,1%



## 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	61860lx	15465lx	6873lx	3866lx	2474lx	1100lx	619lx	275lx	155lx	99lx	69lx	39lx	25lx
Footcand.	5747fcd	1437fcd	639fcd	359fcd	230fcd	102fcd	57fcd	26fcd	14fcd	9fcd	6fcd	4fcd	2fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	1,9m	2,9m	3,9m	4,8m	5,8m	7,7m	9,7m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,2ft	4,8ft	6,3ft	9,5ft	12,7ft	15,9ft	19ft	25,4ft	31,7ft

## LINEAR DISTRIBUTION DIAGRAM

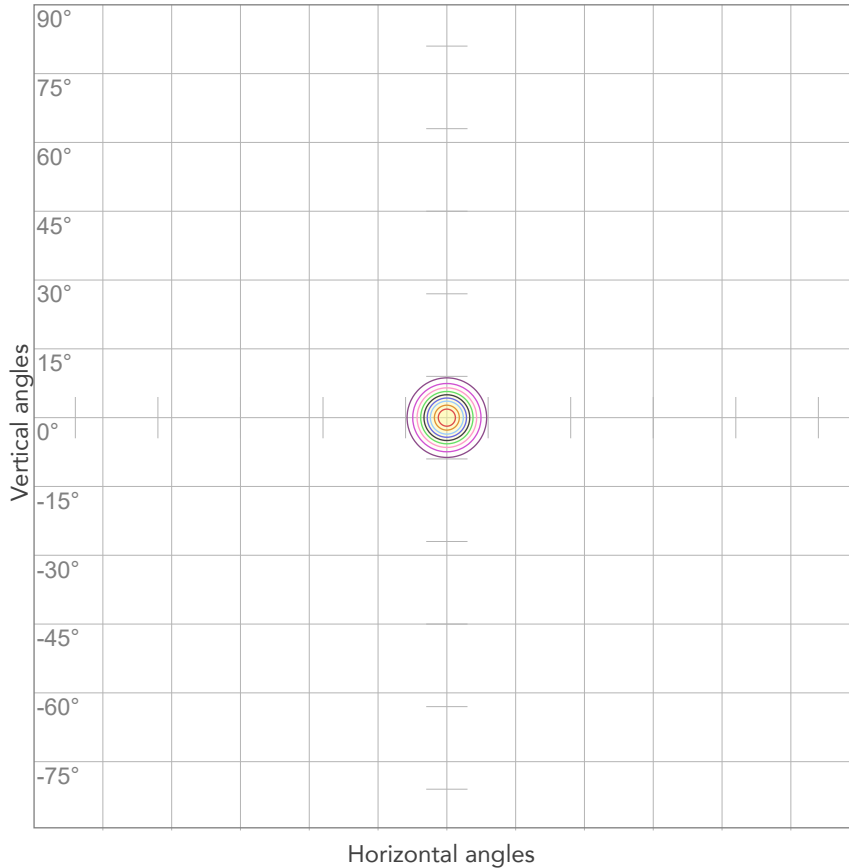


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,480A	82,7W	0,76	45lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



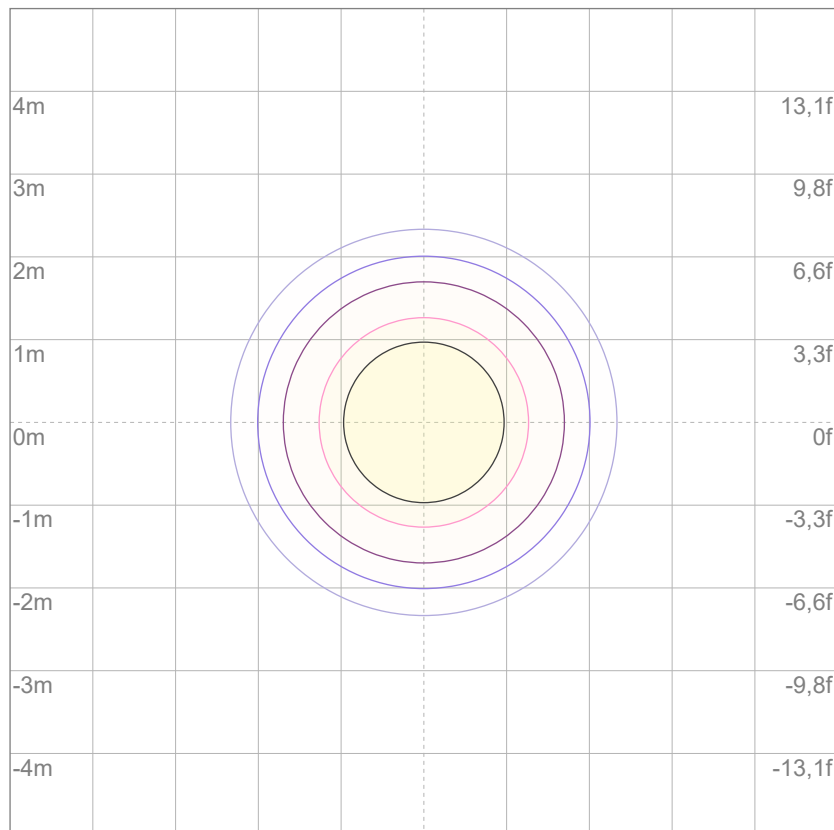
10%	6186 cd
20%	12372 cd
30%	18558 cd
40%	24744 cd
50%	30930 cd
60%	37116 cd
70%	43302 cd
80%	49488 cd

Conditions:

Number of c-planes: 2

Candela at center: 61860 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	18,6 lx
5%	30,9 lx
10%	61,9 lx
30%	186 lx
50%	309 lx

Conditions:

Number of c-planes: 2

Lux at center: 619 lx

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



Total lumen output:

3230 lm

Peak candela output:

13369 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 20°Filter

Target:

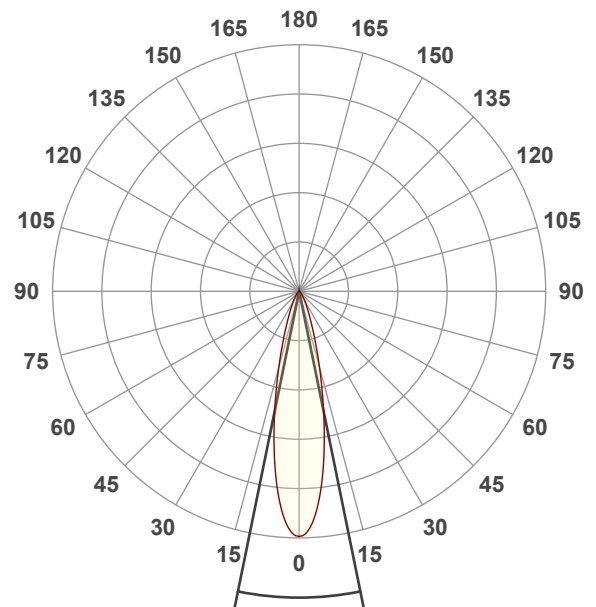
Red

Operator:

Salvatore Giglio

Date and time:

25/10/2024 15:11:15

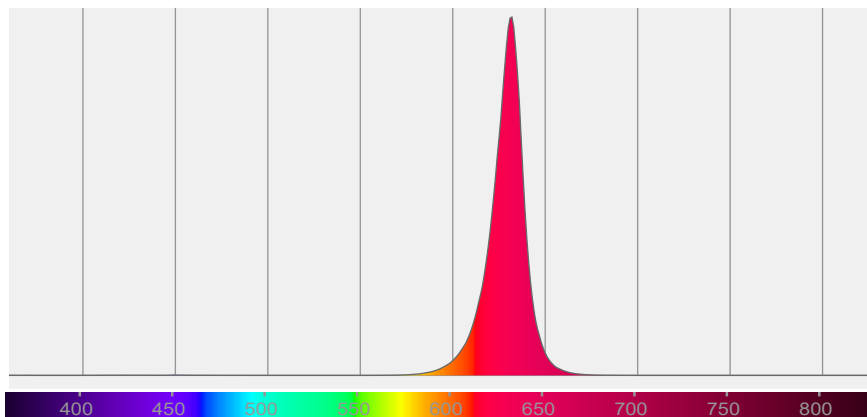


Beam angle 50%: 23,1°

Field angle 10%: 46,9°

Cut off angle 2.5%: 71,7°

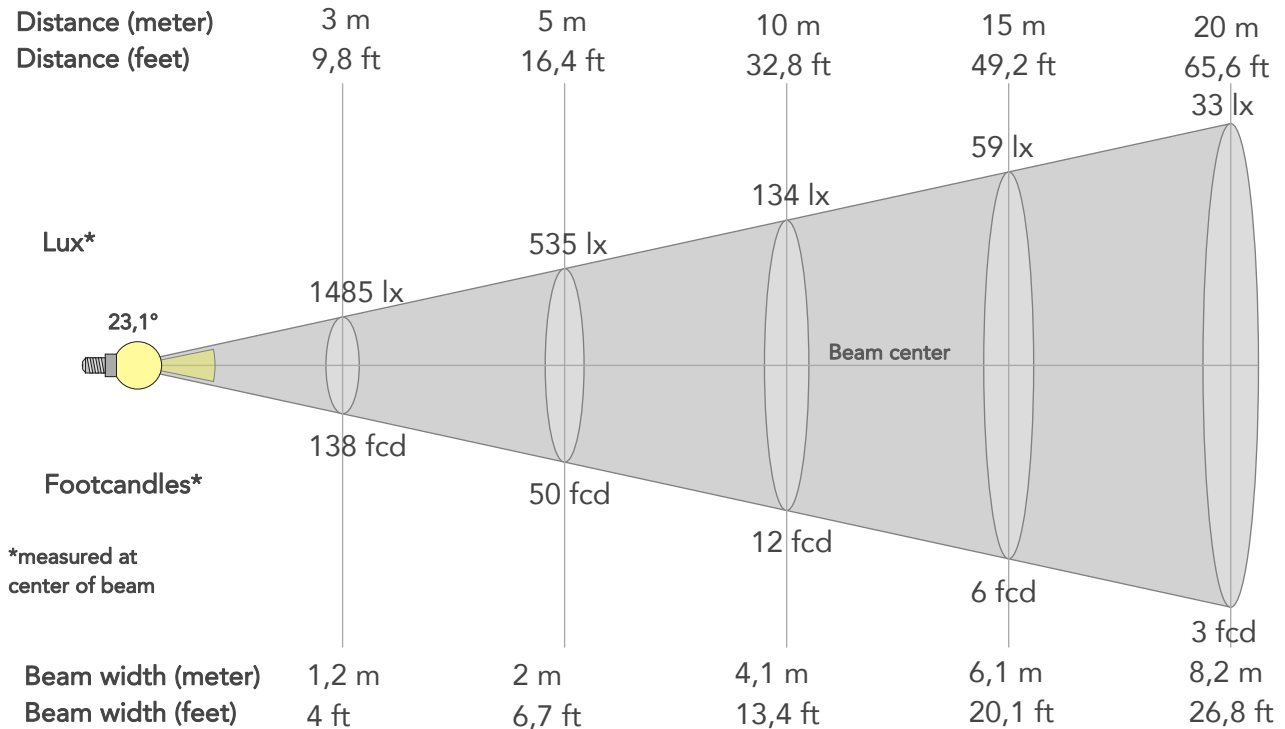
Spectra



# BEAM DETAILS



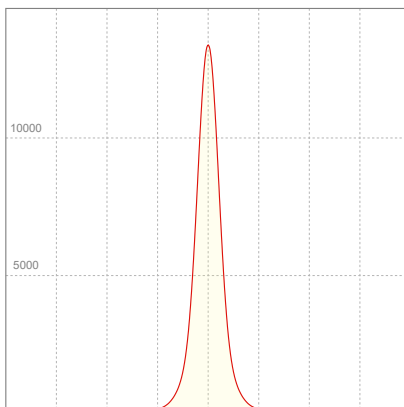
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,1°	46,9°	71,7°	97,6%	93,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13369lx	3342lx	1485lx	836lx	535lx	238lx	134lx	59lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1242fcd	311fcd	138fcd	78fcd	50fcd	22fcd	12fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,2m	10,2m	12,2m	16,3m	20,4m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,4ft	20,1ft	26,8ft	33,5ft	40,1ft	53,5ft	66,9ft

## LINEAR DISTRIBUTION DIAGRAM

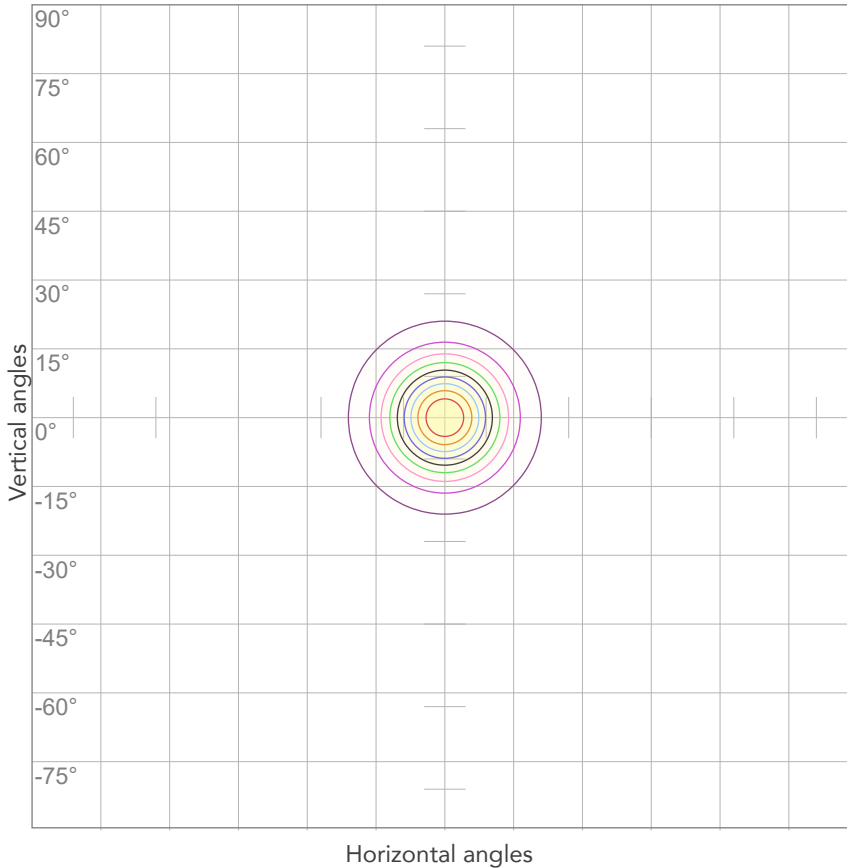


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,474A	80,6W	0,75	40lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



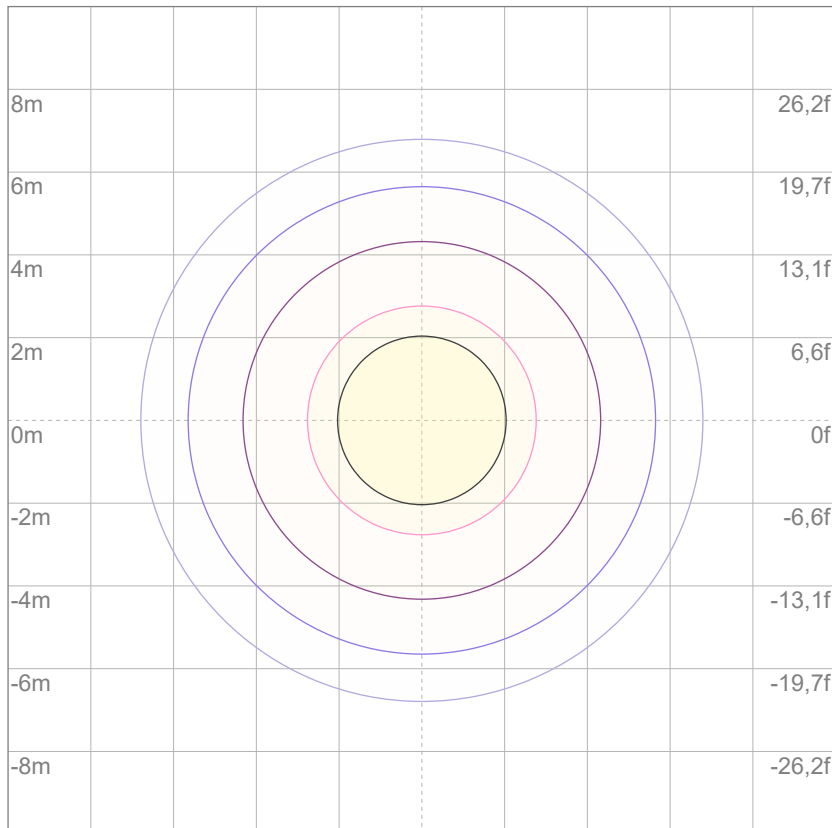
10%	1337 cd
20%	2674 cd
30%	4011 cd
40%	5348 cd
50%	6685 cd
60%	8022 cd
70%	9359 cd
80%	10696 cd

Conditions:

Number of c-planes: 2

Candela at center: 13369 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,01 lx
5%	6,68 lx
10%	13,4 lx
30%	40,1 lx
50%	66,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 134 lx

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



Total lumen output:

3040 lm

Peak candela output:

3763 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

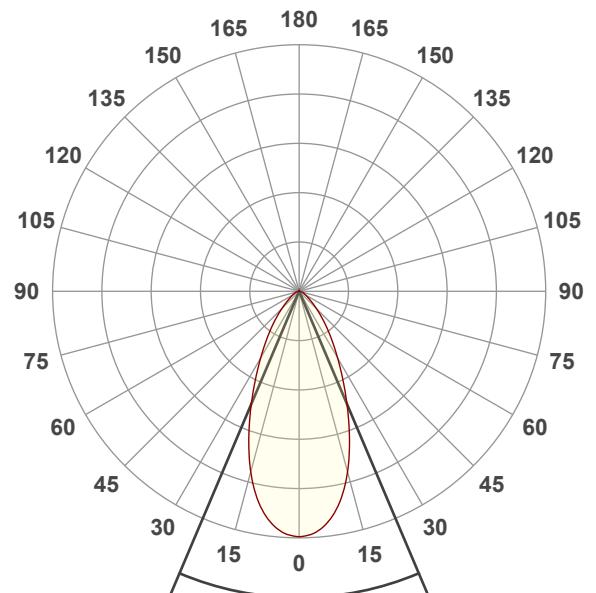
Red

Operator:

Salvatore Giglio

Date and time:

24/04/2024 11:22:09

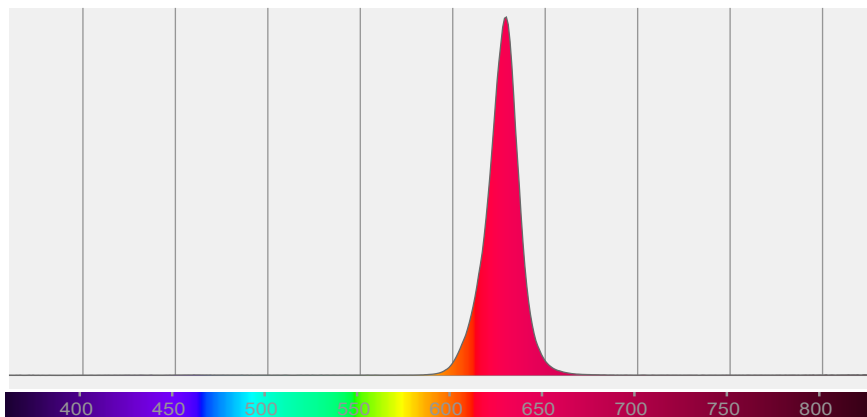


Beam angle 50%: 46°

Field angle 10%: 90°

Cut off angle 2.5%: 127,1°

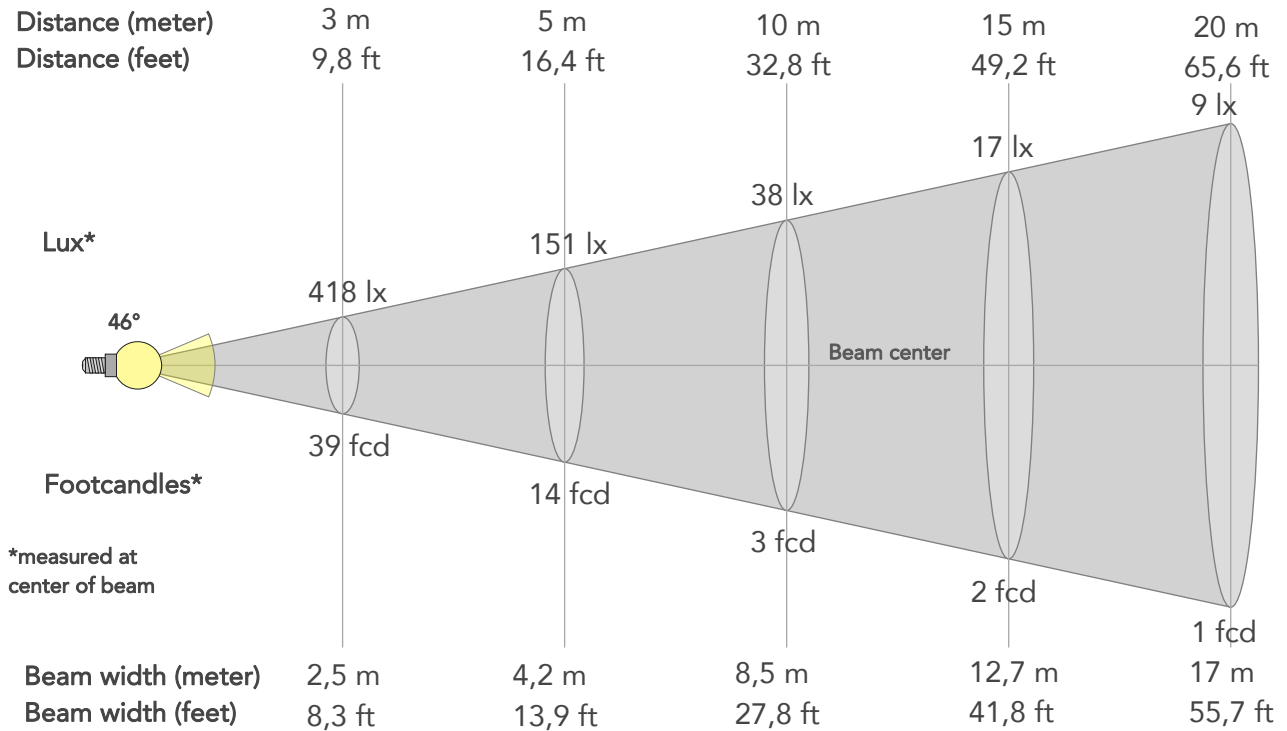
Spectra



# BEAM DETAILS



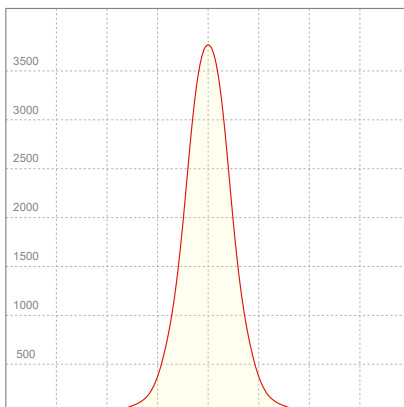
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46°	90°	127,1°	94,1%	85,1%



## 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	3763lx	941lx	418lx	235lx	151lx	67lx	38lx	17lx	9lx	6lx	4lx	2lx	2lx
Footcand.	350fcd	87fcd	39fcd	22fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,4m	8,5m	12,7m	17m	21,2m	25,5m	33,9m	42,4m
Beam wid.	2,8ft	5,6ft	8,3ft	11,1ft	13,9ft	20,9ft	27,8ft	41,8ft	55,7ft	69,6ft	83,5ft	111,3ft	139,2ft

## LINEAR DISTRIBUTION DIAGRAM

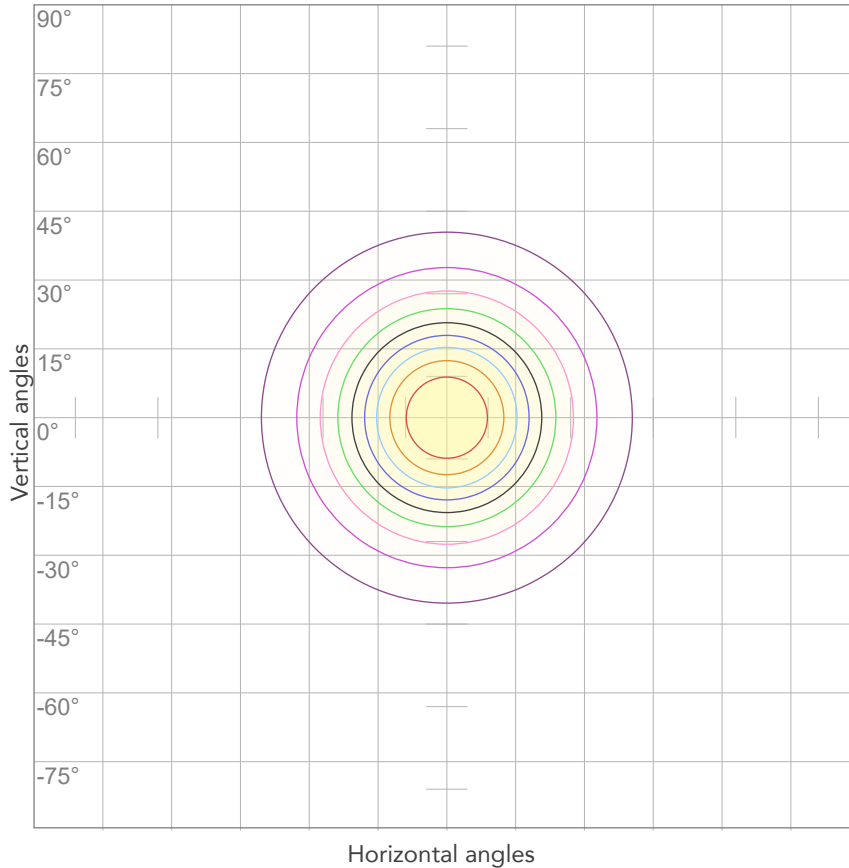


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,477A	82,3W	0,76	37lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



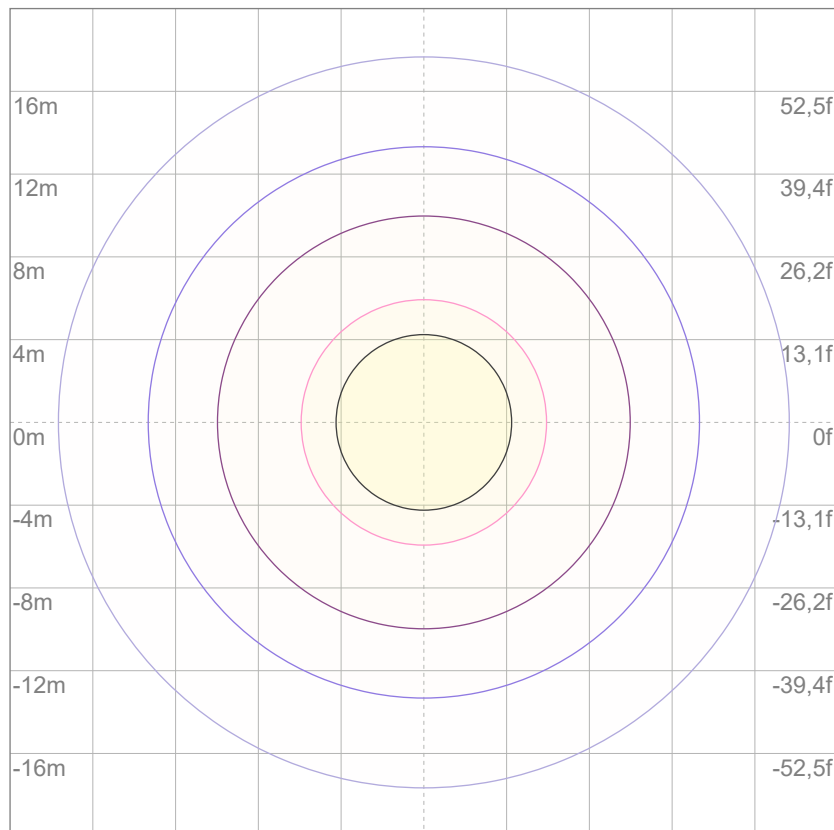
10%	376 cd
20%	753 cd
30%	1129 cd
40%	1505 cd
50%	1881 cd
60%	2258 cd
70%	2634 cd
80%	3010 cd

Conditions:

Number of c-planes: 2

Candela at center: 3763 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,13 lx
5%	1,88 lx
10%	3,76 lx
30%	11,3 lx
50%	18,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 37,6 lx

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





Total lumen output:

3053 lm

Peak candela output:

2815 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 60°Filter

Target:

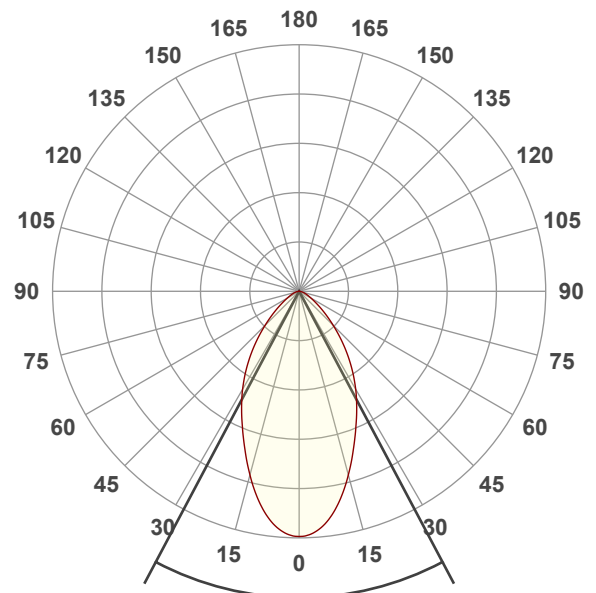
Red

Operator:

Salvatore Giglio

Date and time:

25/10/2024 13:16:00

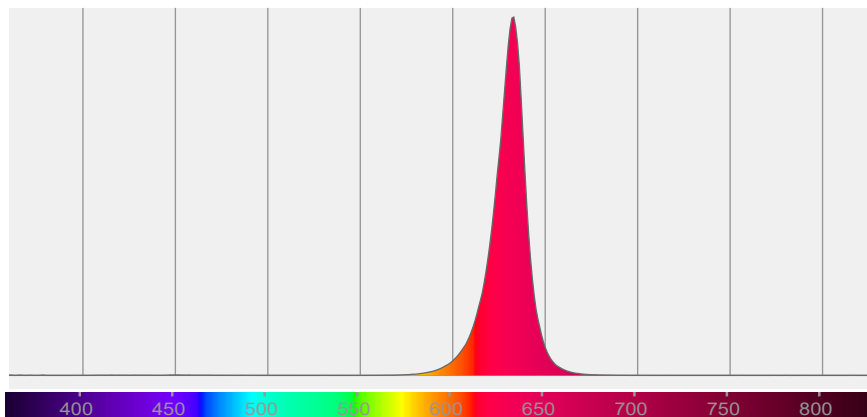


Beam angle 50%: 55,8°

Field angle 10%: 106,6°

Cut off angle 2.5%: 141,2°

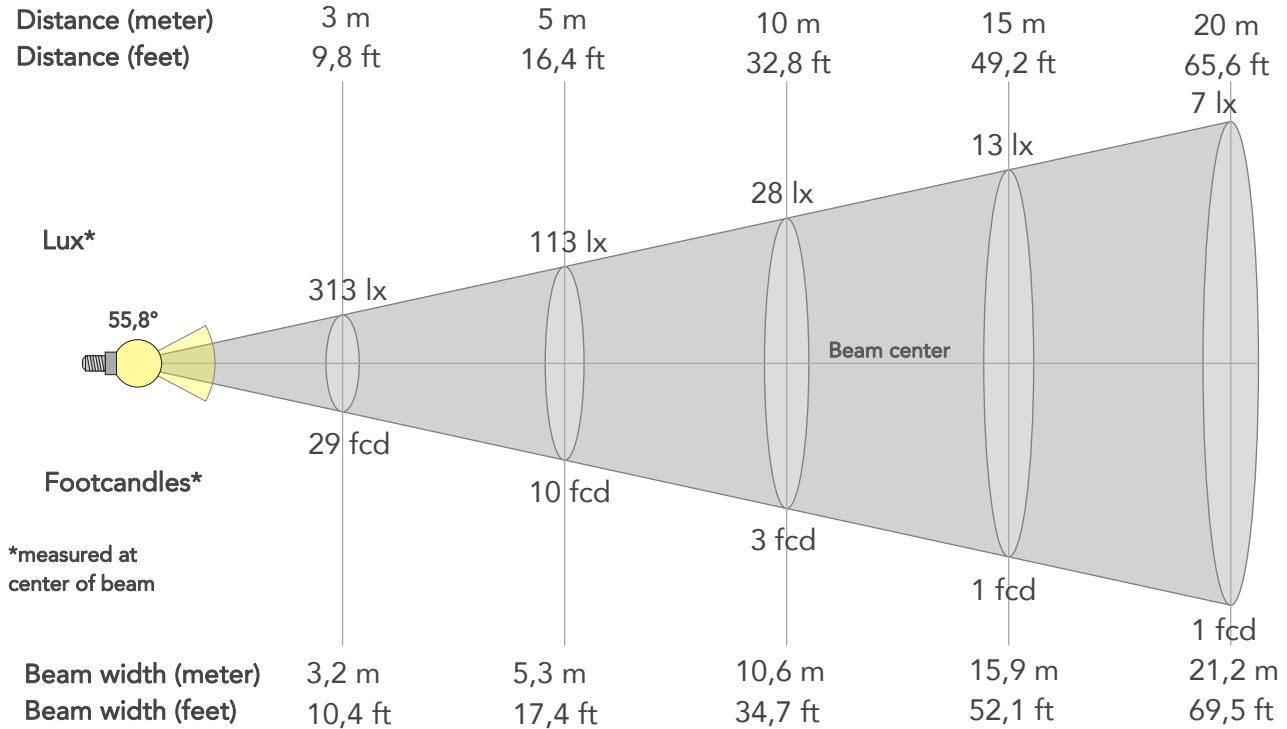
Spectra



# BEAM DETAILS



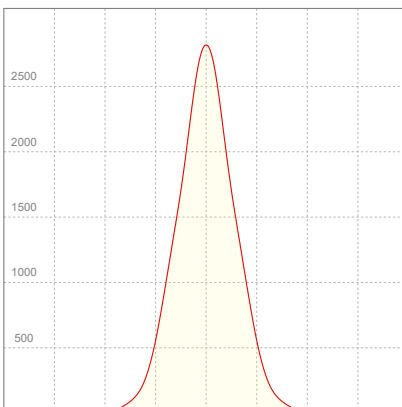
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,8°	106,6°	141,2°	94,3%	80,9%



## 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	2815lx	704lx	313lx	176lx	113lx	50lx	28lx	13lx	7lx	5lx	3lx	2lx	1lx
Footcand.	262fcd	65fcd	29fcd	16fcd	10fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,2m	5,3m	7,9m	10,6m	15,9m	21,2m	26,5m	31,8m	42,4m	53m
Beam wid.	3,5ft	7ft	10,4ft	13,9ft	17,4ft	26,1ft	34,7ft	52,1ft	69,5ft	86,9ft	104,2ft	139ft	173,7ft

## LINEAR DISTRIBUTION DIAGRAM

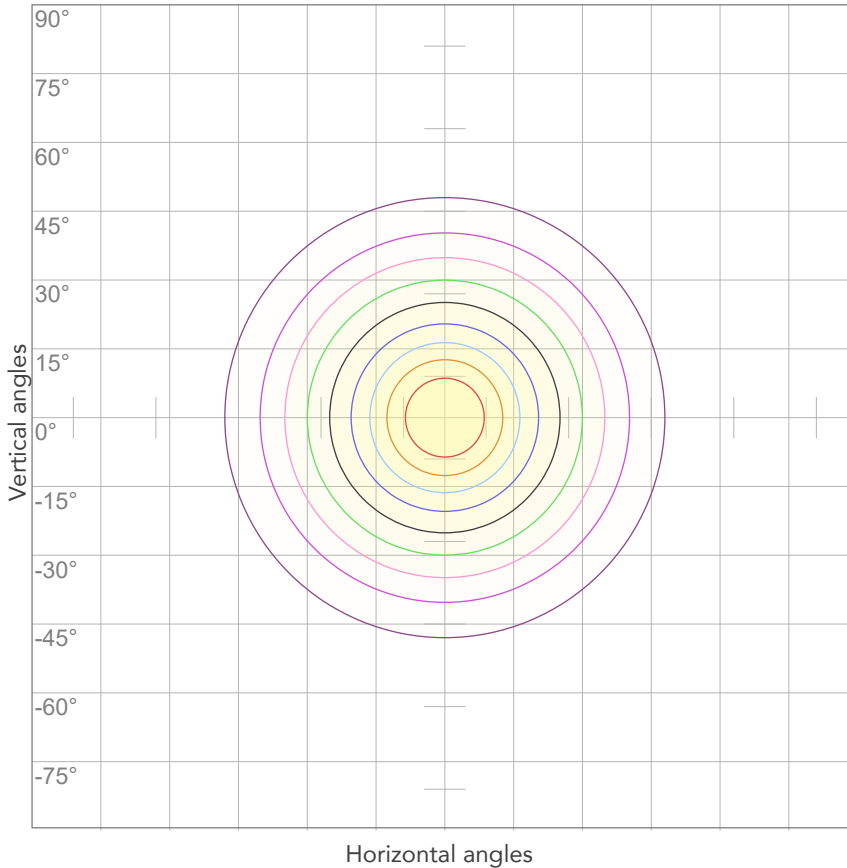


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,469A	79,6W	0,75	38lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



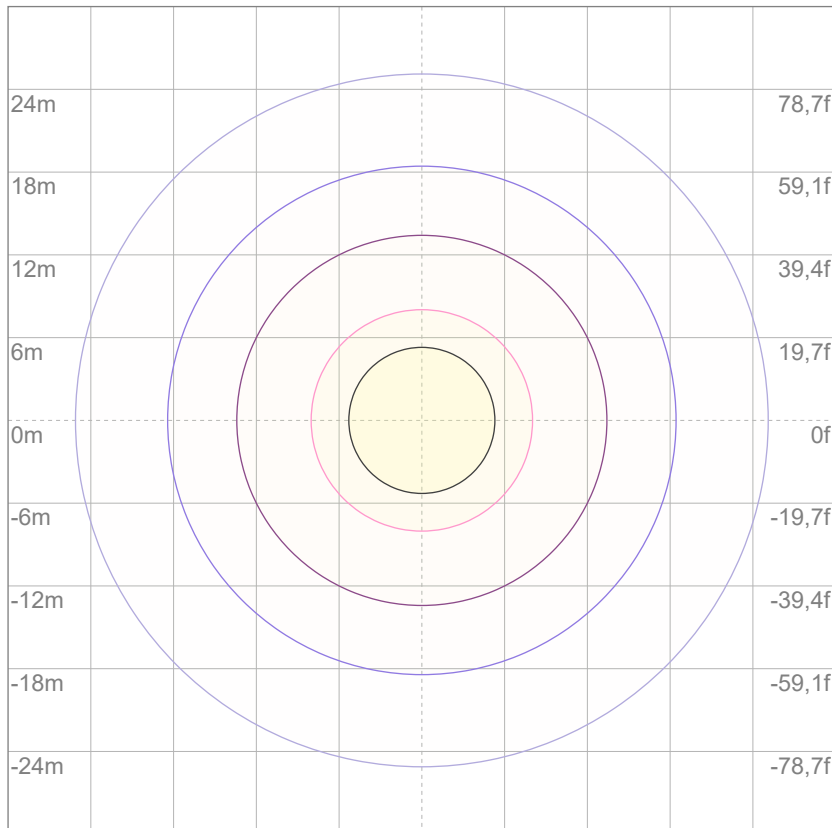
10%	282 cd
20%	563 cd
30%	845 cd
40%	1126 cd
50%	1408 cd
60%	1689 cd
70%	1971 cd
80%	2252 cd

Conditions:

Number of c-planes: 2

Candela at center: 2815 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,845 lx
5%	1,41 lx
10%	2,82 lx
30%	8,45 lx
50%	14,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 28,2 lx

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



Total lumen output:

3901 lm

Peak candela output:

8362 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

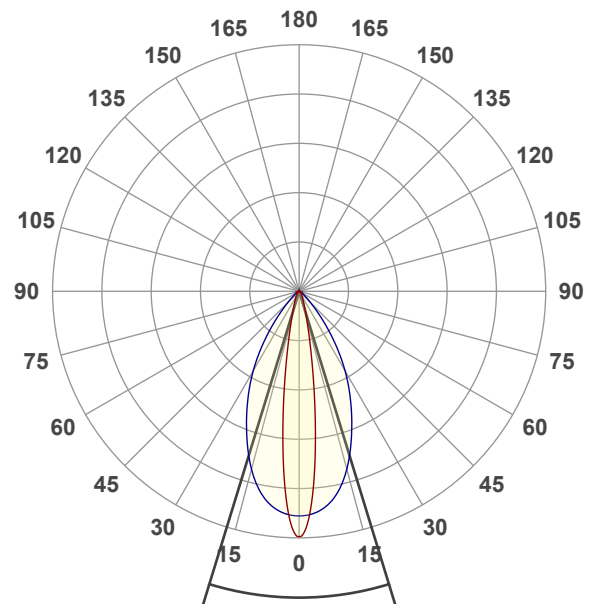
Red

Operator:

Salvatore Giglio

Date and time:

24/04/2024 12:26:14

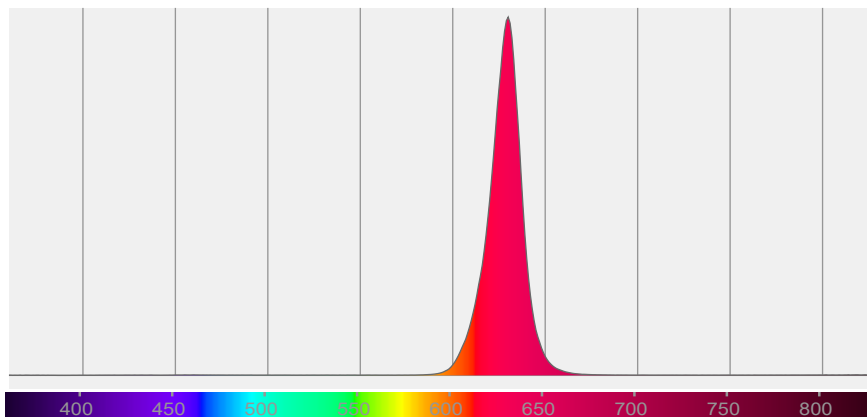


Beam angle 50%: 34,1°

Field angle 10%: 59,1°

Cut off angle 2.5%: 84,8°

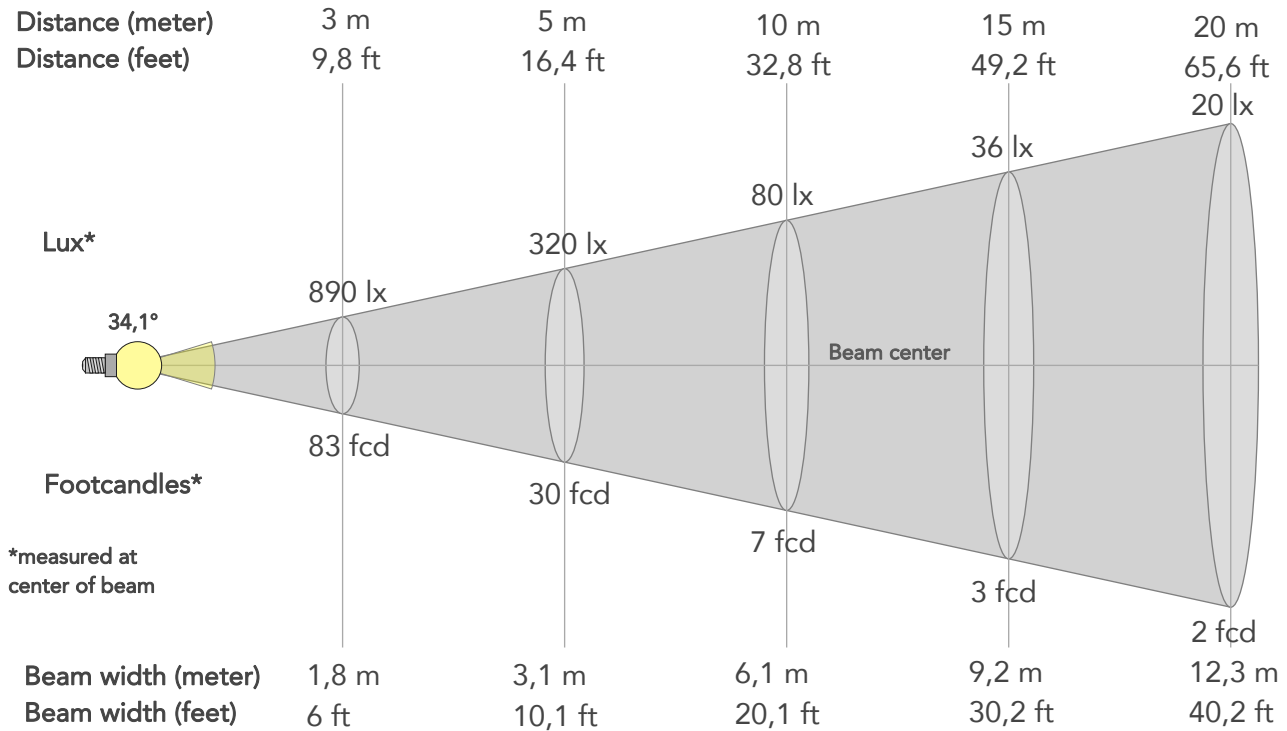
Spectra



# BEAM DETAILS



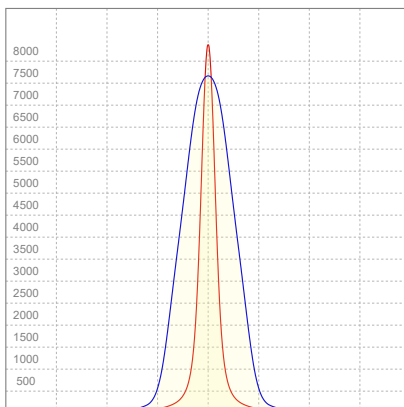
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,1°	59,1°	84,8°	95,3%	89,8%



## 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	8011lx	2003lx	890lx	501lx	320lx	142lx	80lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	744fcd	186fcd	83fcd	47fcd	30fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,6m	1,2m	1,8m	2,5m	3,1m	4,6m	6,1m	9,2m	12,3m	15,3m	18,4m	24,5m	30,7m
Beam wid.	2ft	4ft	6ft	8ft	10,1ft	15,1ft	20,1ft	30,2ft	40,2ft	50,3ft	60,3ft	80,5ft	100,6ft

## LINEAR DISTRIBUTION DIAGRAM

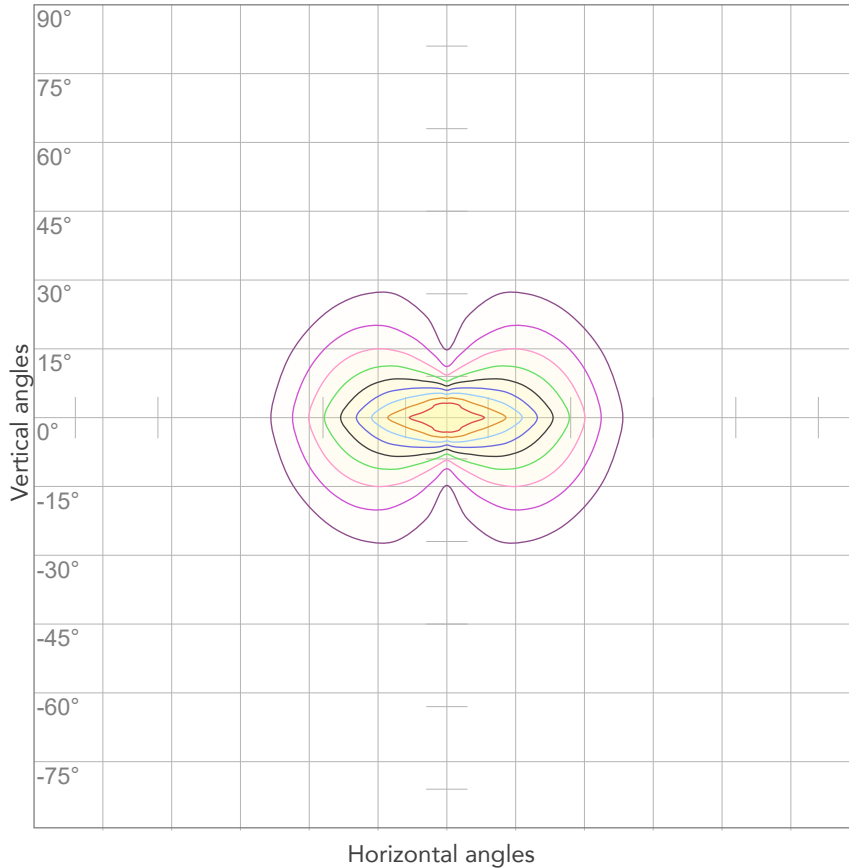


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,474A	81,2W	0,75	48lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



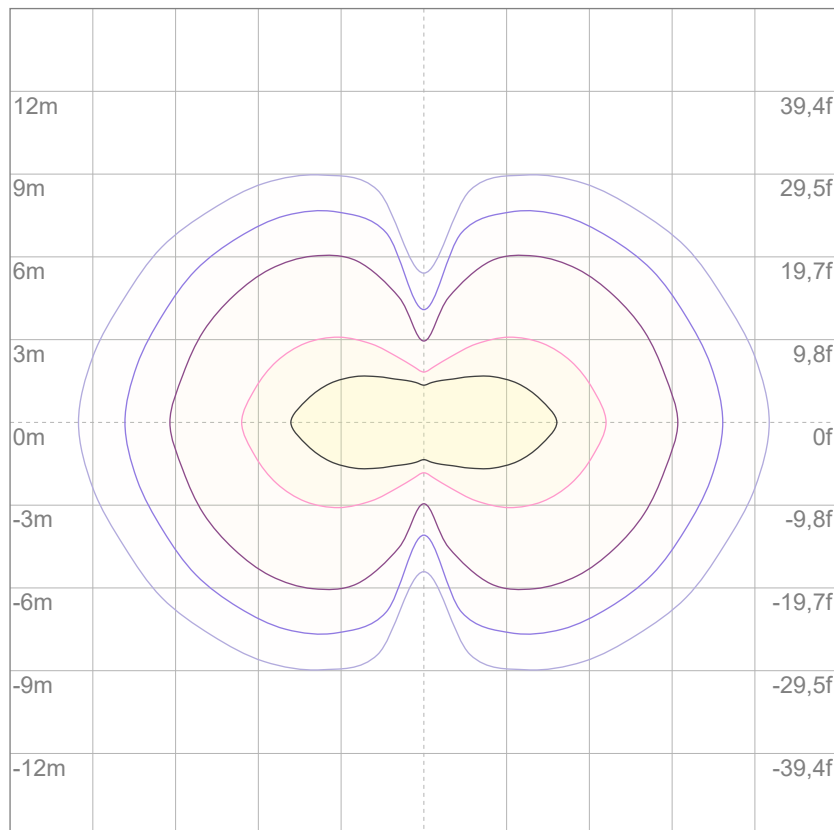
10%	801 cd
20%	1602 cd
30%	2403 cd
40%	3204 cd
50%	4005 cd
60%	4807 cd
70%	5608 cd
80%	6409 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 8011 cd

## ISO LUX DIAGRAM



3%	2,40 lx
5%	4,01 lx
10%	8,01 lx
30%	24,0 lx
50%	40,1 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 80,1 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

3080 lm

Peak candela output:

4792 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

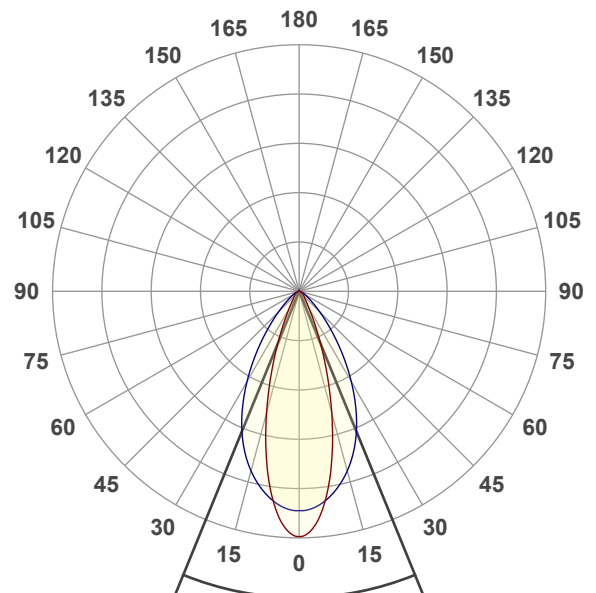
Red

Operator:

Salvatore Giglio

Date and time:

28/10/2024 14:08:34

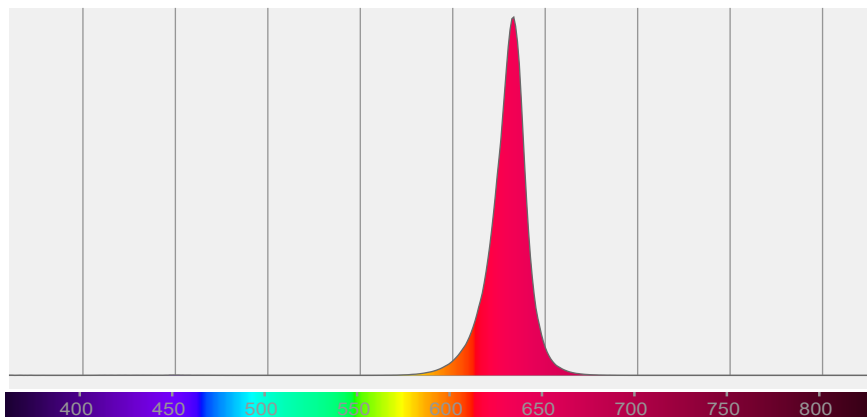


Beam angle 50%: 44,4°

Field angle 10%: 76,2°

Cut off angle 2.5%: 109,9°

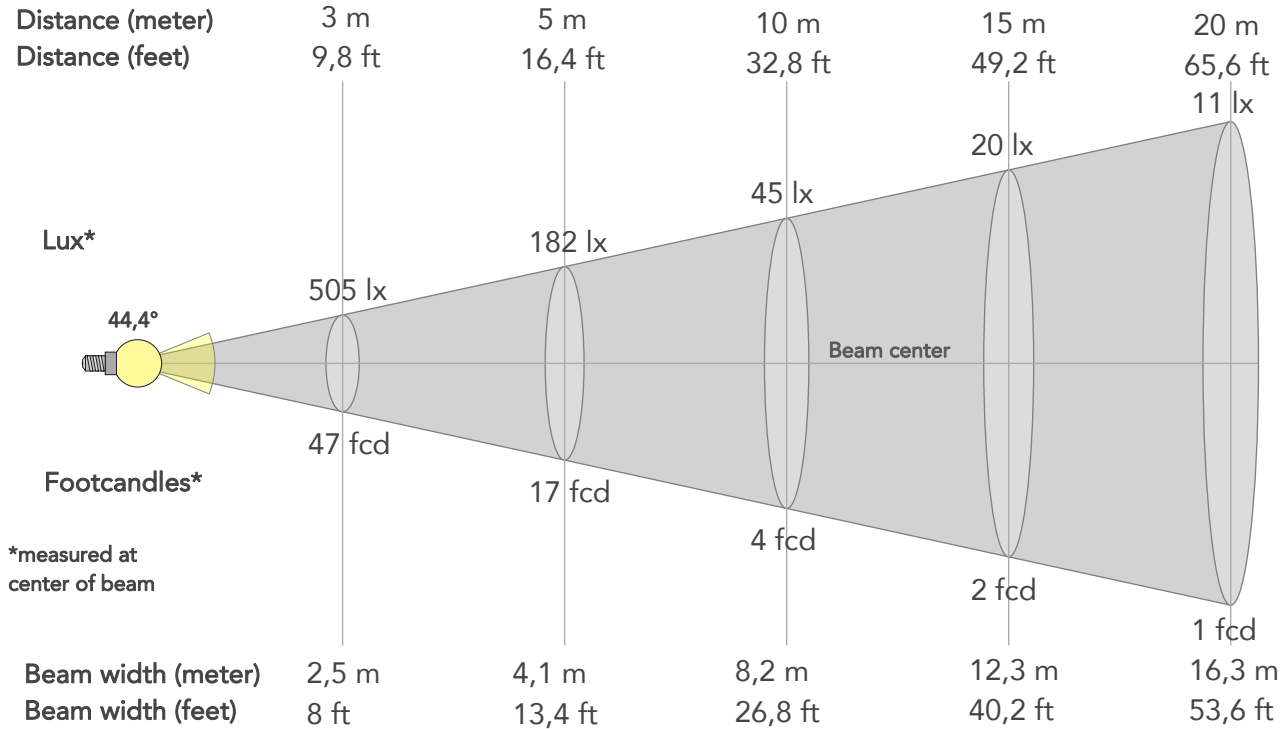
Spectra



# BEAM DETAILS



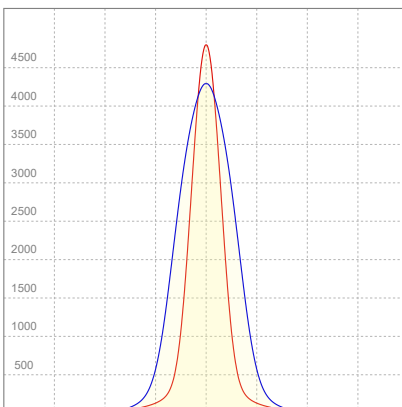
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,4°	76,2°	109,9°	96,1%	88,1%



## 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	4541lx	1135lx	505lx	284lx	182lx	81lx	45lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	422fcd	105fcd	47fcd	26fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,3m	20,4m	24,5m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,2ft	53,6ft	67ft	80,4ft	107,2ft	134ft

## LINEAR DISTRIBUTION DIAGRAM



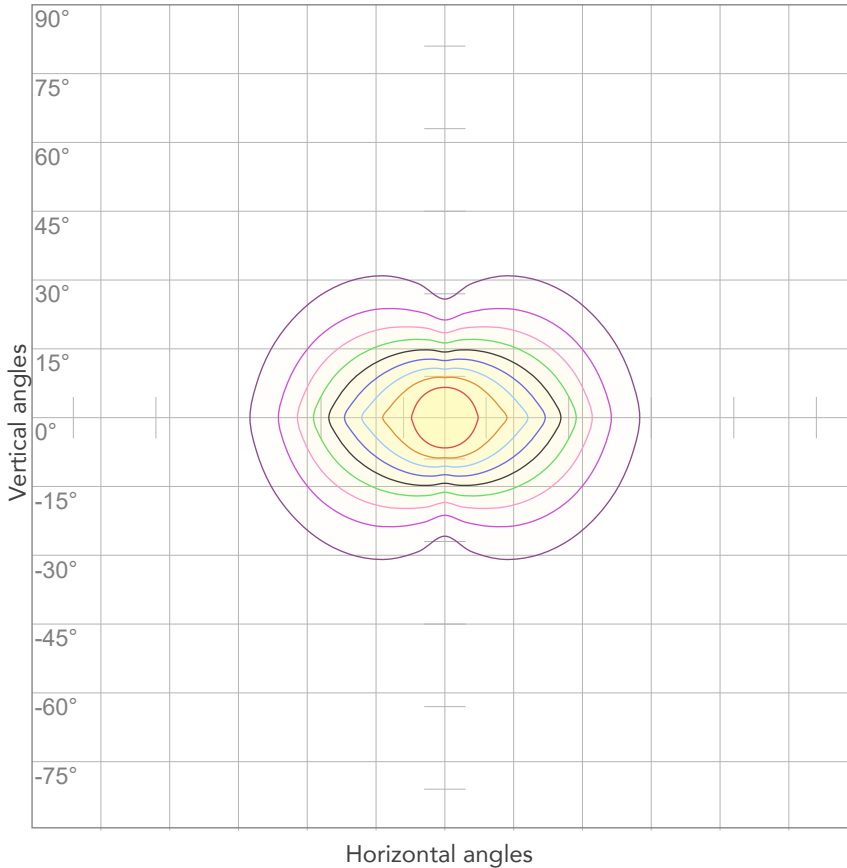
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,469A	79,4W	0,74	39lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



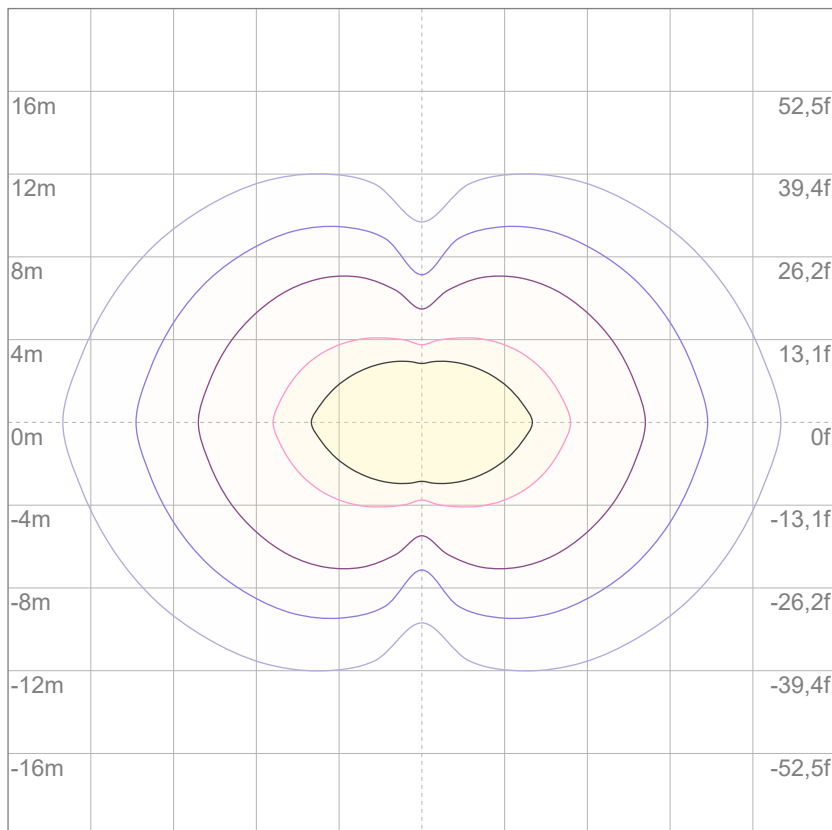
10%	454 cd
20%	908 cd
30%	1362 cd
40%	1816 cd
50%	2271 cd
60%	2725 cd
70%	3179 cd
80%	3633 cd

Conditions:

Number of c-planes: 4

Candela at center: 4541 cd

## ISO LUX DIAGRAM



3%	1,36 lx
5%	2,27 lx
10%	4,54 lx
30%	13,6 lx
50%	22,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 45,4 lx

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



Total lumen output:

7806 lm

Peak candela output:

142804 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10°

Target:

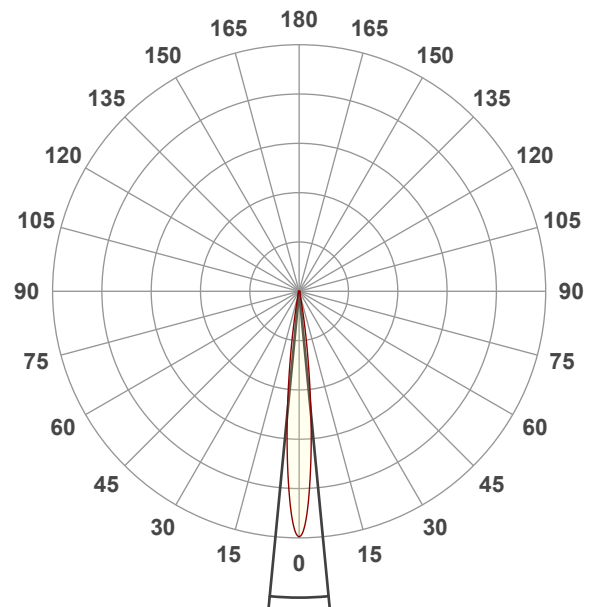
Green

Operator:

Salvatore Giglio

Date and time:

24/04/2024 09:46:04

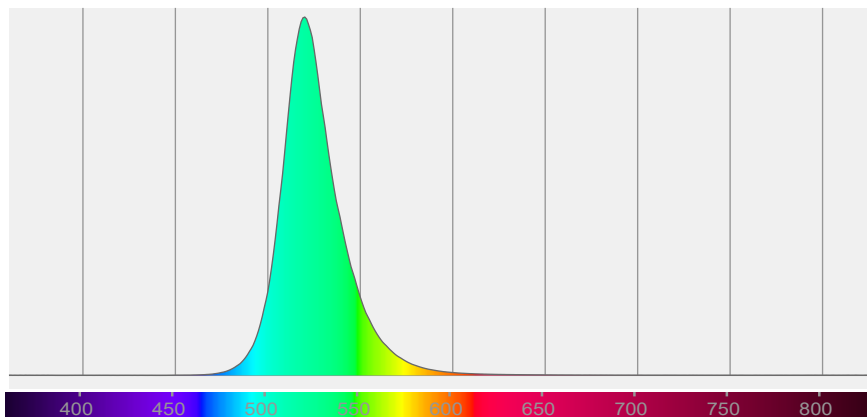


Beam angle 50%: 11°

Field angle 10%: 19,8°

Cut off angle 2.5%: 27°

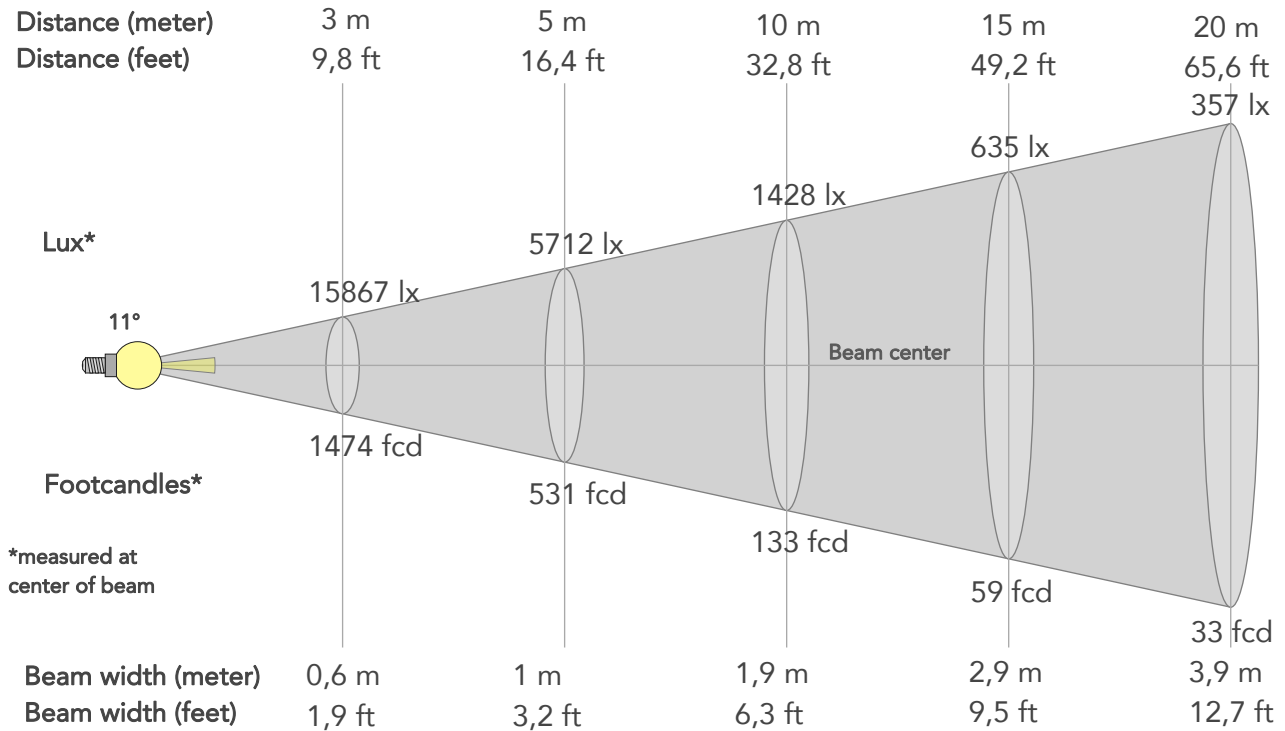
Spectra



# BEAM DETAILS



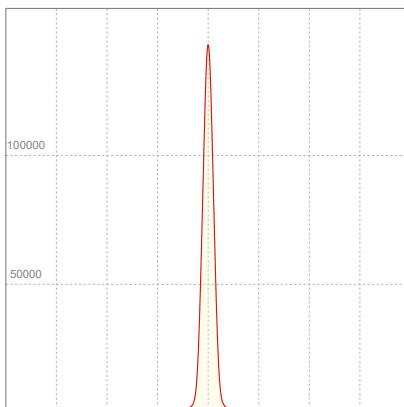
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11°	19,8°	27°	96,4%	93,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	142804lx	35701lx	15867lx	8925lx	5712lx	2539lx	1428lx	635lx	357lx	228lx	159lx	89lx	57lx
Footcand.	13267fcd	3317fcd	1474fcd	829fcd	531fcd	236fcd	133fcd	59fcd	33fcd	21fcd	15fcd	8fcd	5fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,9m	4,8m	5,8m	7,7m	9,7m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,2ft	4,7ft	6,3ft	9,5ft	12,7ft	15,8ft	19ft	25,3ft	31,7ft

## LINEAR DISTRIBUTION DIAGRAM

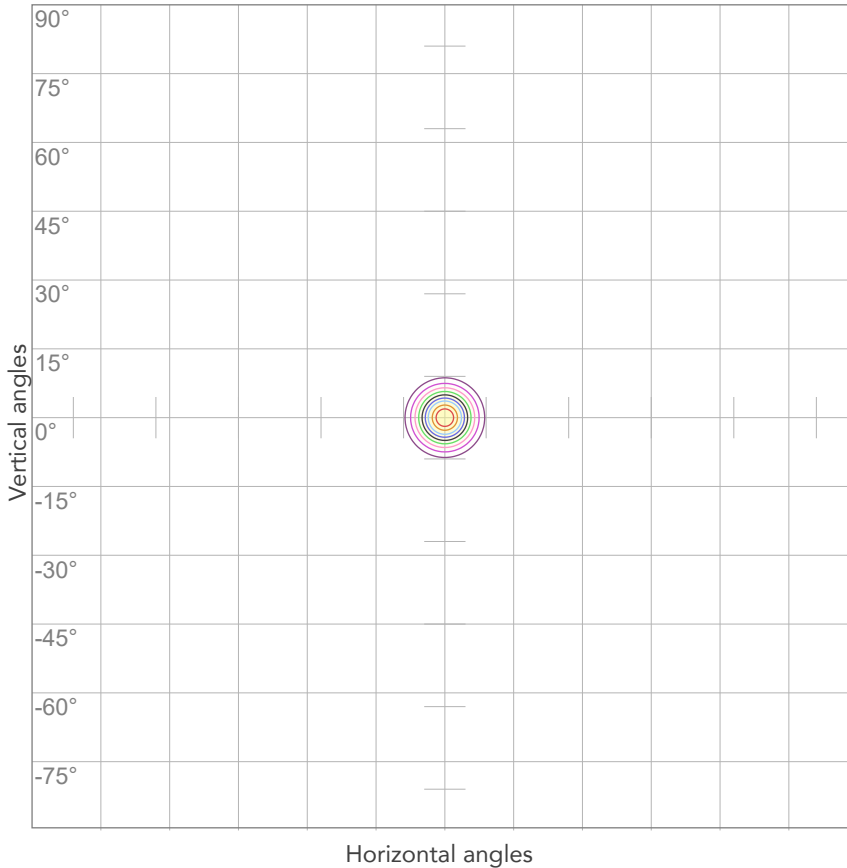


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,553A	102,2W	0,82	76lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



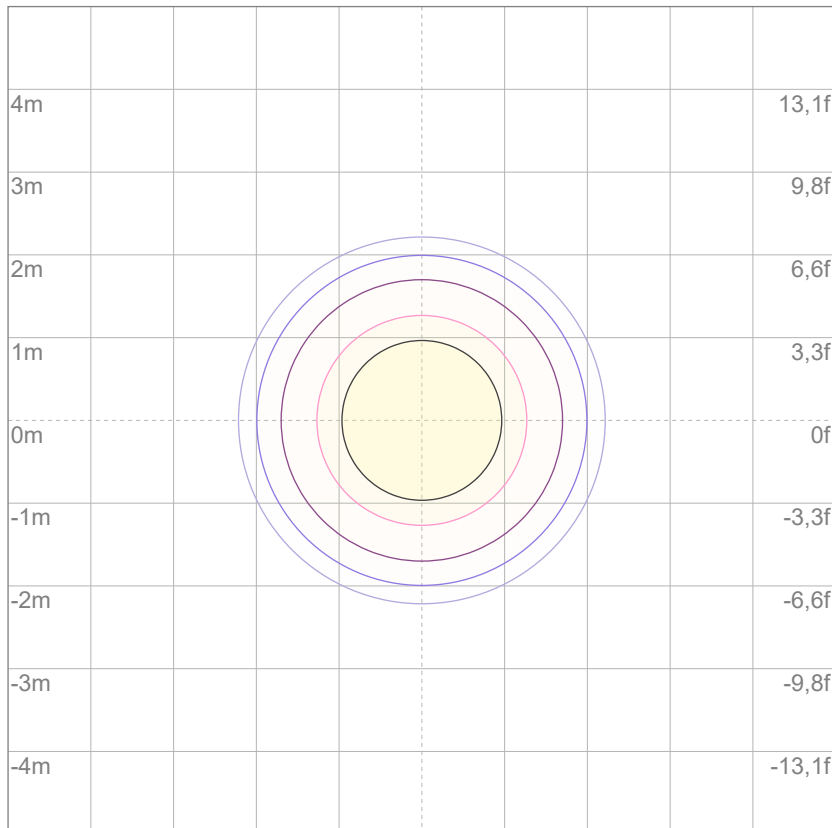
10%	14280 cd
20%	28561 cd
30%	42841 cd
40%	57122 cd
50%	71402 cd
60%	85683 cd
70%	99963 cd
80%	114244 cd

Conditions:

Number of c-planes: 2

Candela at center: 142804 cd

## ISO LUX DIAGRAM



3%	42,8 lx
5%	71,4 lx
10%	143 lx
30%	428 lx
50%	714 lx

Conditions:

Number of c-planes: 2

Lux at center: 1428 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

6979 lm

Peak candela output:

27642 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 20°Filter

Target:

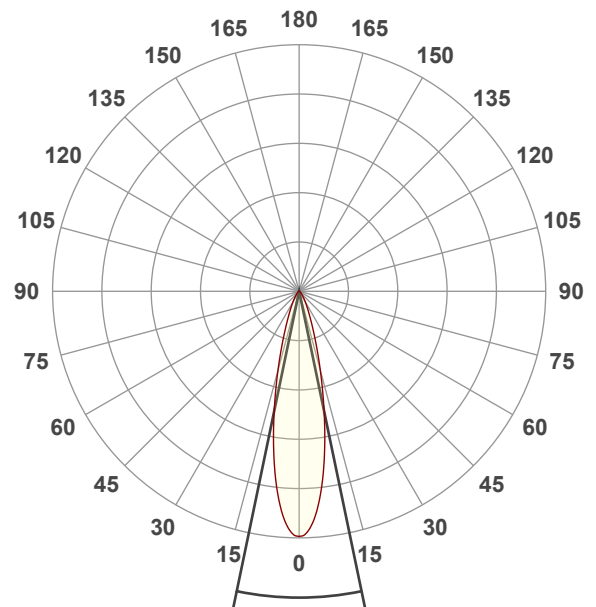
Green

Operator:

Salvatore Giglio

Date and time:

25/10/2024 15:15:46

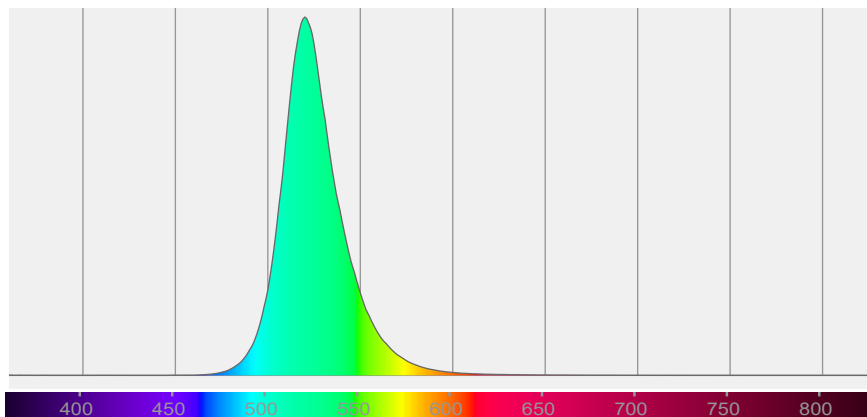


Beam angle 50%: 23,5°

Field angle 10%: 47,8°

Cut off angle 2.5%: 73,5°

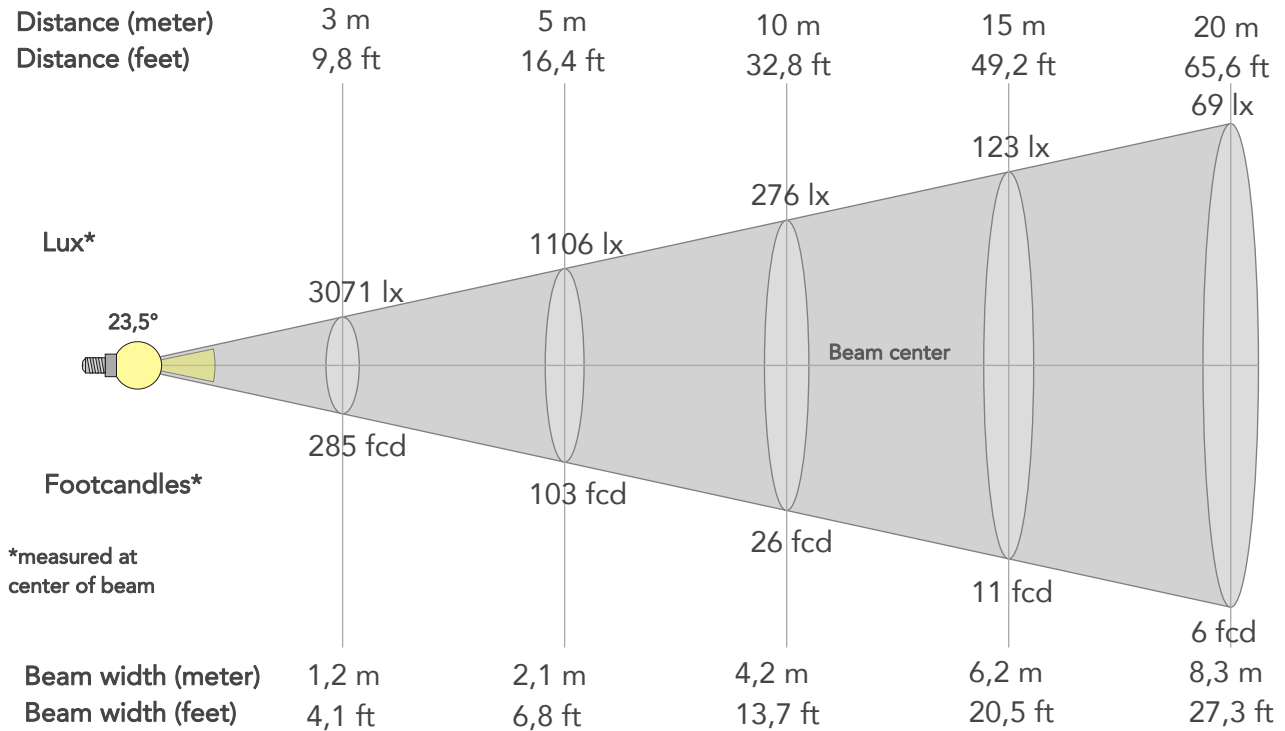
Spectra



# BEAM DETAILS



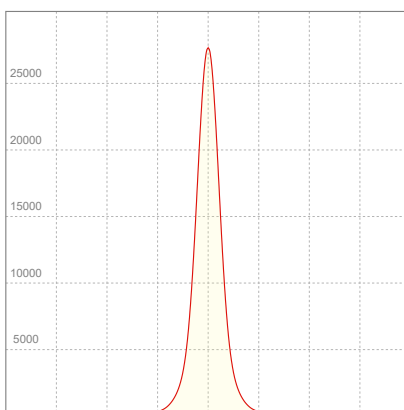
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	47,8°	73,5°	97,3%	93,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	27642lx	6911lx	3071lx	1728lx	1106lx	491lx	276lx	123lx	69lx	44lx	31lx	17lx	11lx
Footcand.	2568fcd	642fcd	285fcd	161fcd	103fcd	46fcd	26fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,7m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,5ft	6,8ft	10,2ft	13,7ft	20,5ft	27,3ft	34,1ft	41ft	54,6ft	68,3ft

## LINEAR DISTRIBUTION DIAGRAM

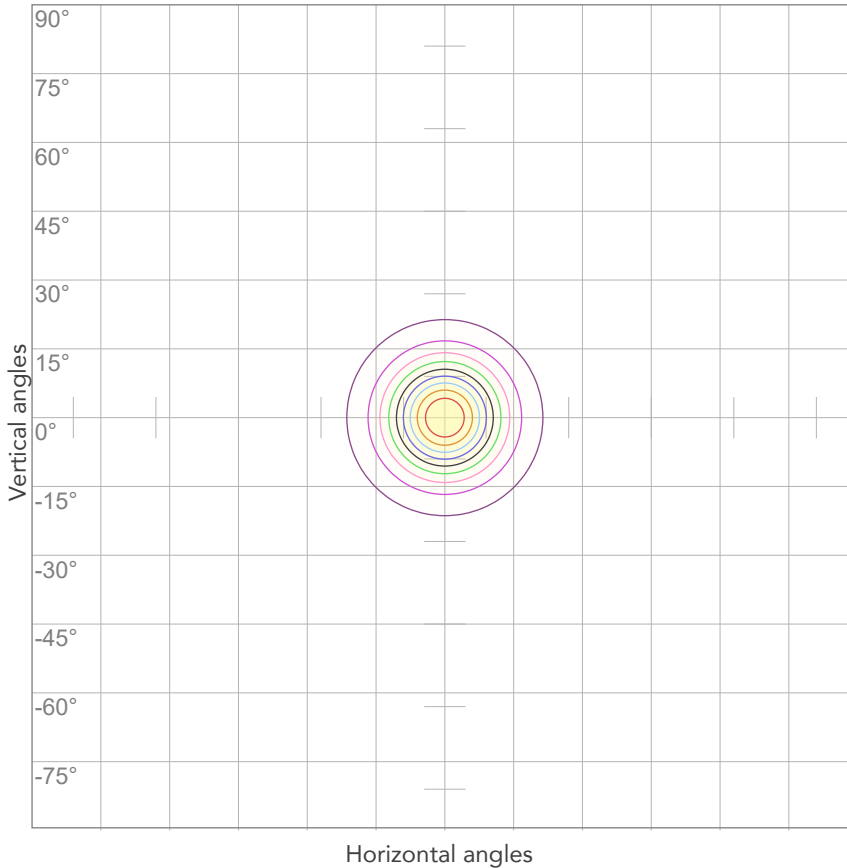


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,549A	101,2W	0,81	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



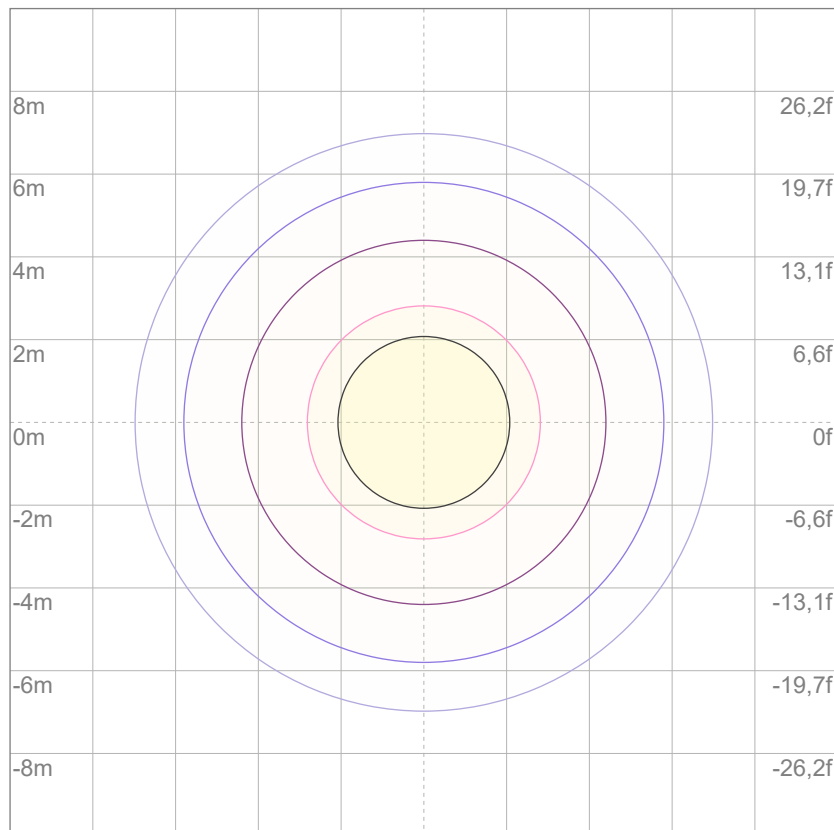
10%	2764 cd
20%	5528 cd
30%	8293 cd
40%	11057 cd
50%	13821 cd
60%	16585 cd
70%	19350 cd
80%	22114 cd

Conditions:

Number of c-planes: 2

Candela at center: 27642 cd

## ISO LUX DIAGRAM



3%	8,29 lx
5%	13,8 lx
10%	27,6 lx
30%	82,9 lx
50%	138 lx

Conditions:

Number of c-planes: 2

Lux at center: 276 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

7013 lm

Peak candela output:

8657 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

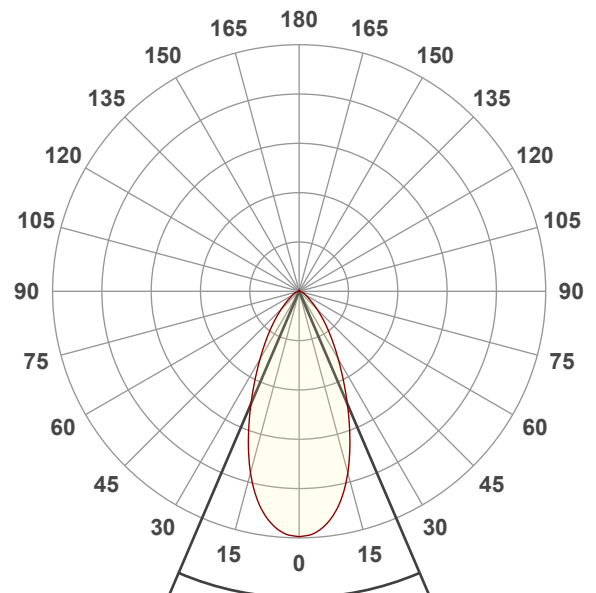
Green

Operator:

Salvatore Giglio

Date and time:

24/04/2024 11:23:32

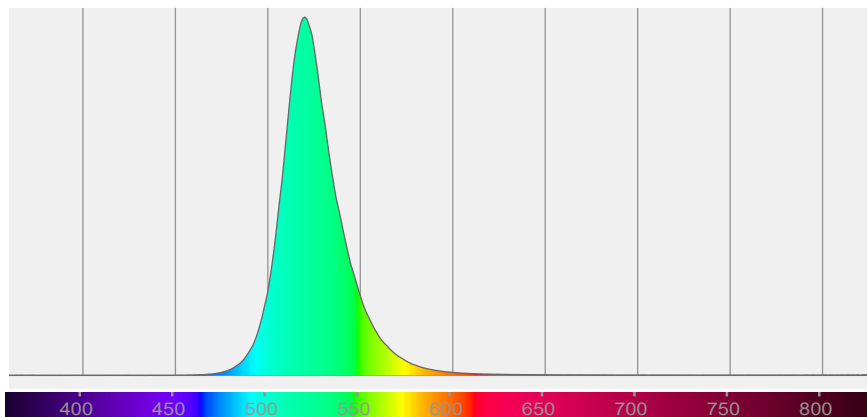


Beam angle 50%: 46,3°

Field angle 10%: 90,6°

Cut off angle 2.5%: 126,8°

Spectra

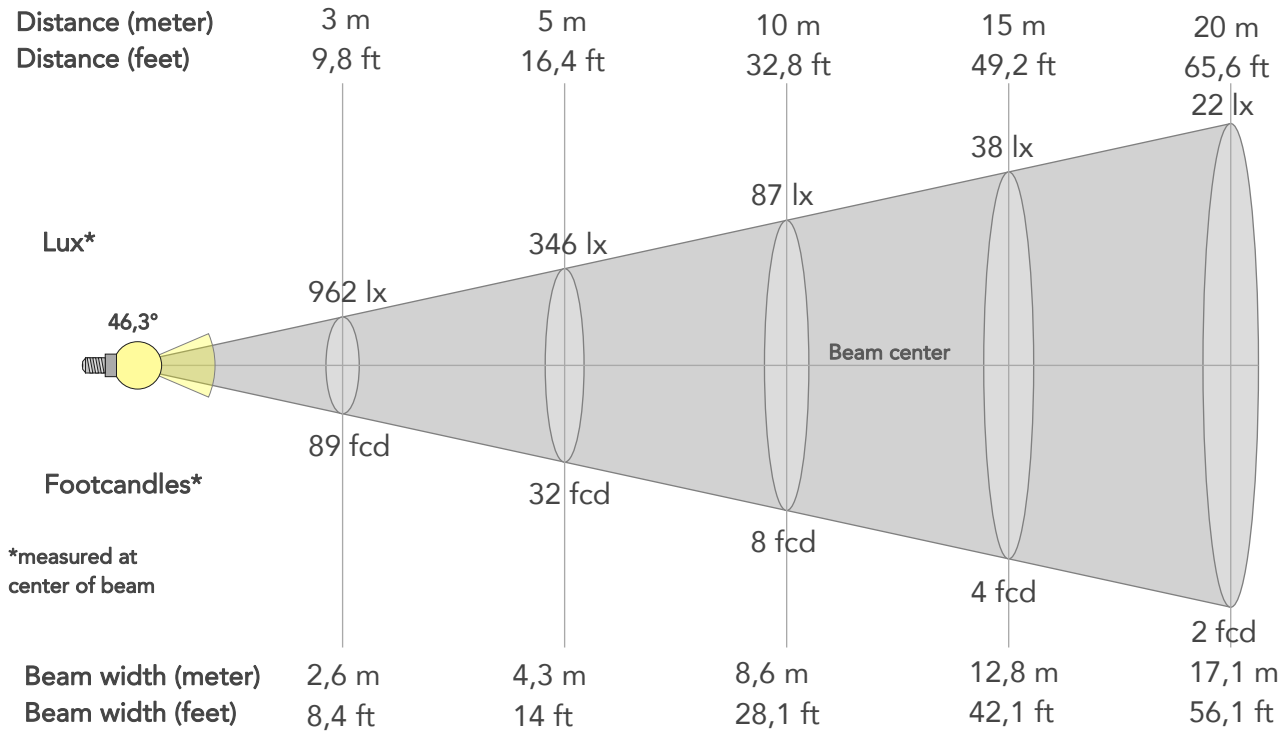




# BEAM DETAILS



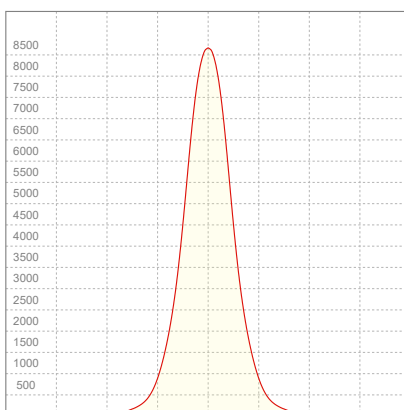
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
46,3°	90,6°	126,8°	95,0%	85,8%



## 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	8657lx	2164lx	962lx	541lx	346lx	154lx	87lx	38lx	22lx	14lx	10lx	5lx	3lx
Footcand.	804fcd	201fcd	89fcd	50fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,4m	4,3m	6,4m	8,6m	12,8m	17,1m	21,4m	25,7m	34,2m	42,8m
Beam wid.	2,8ft	5,6ft	8,4ft	11,2ft	14ft	21,1ft	28,1ft	42,1ft	56,1ft	70,2ft	84,2ft	112,3ft	140,4ft

## LINEAR DISTRIBUTION DIAGRAM

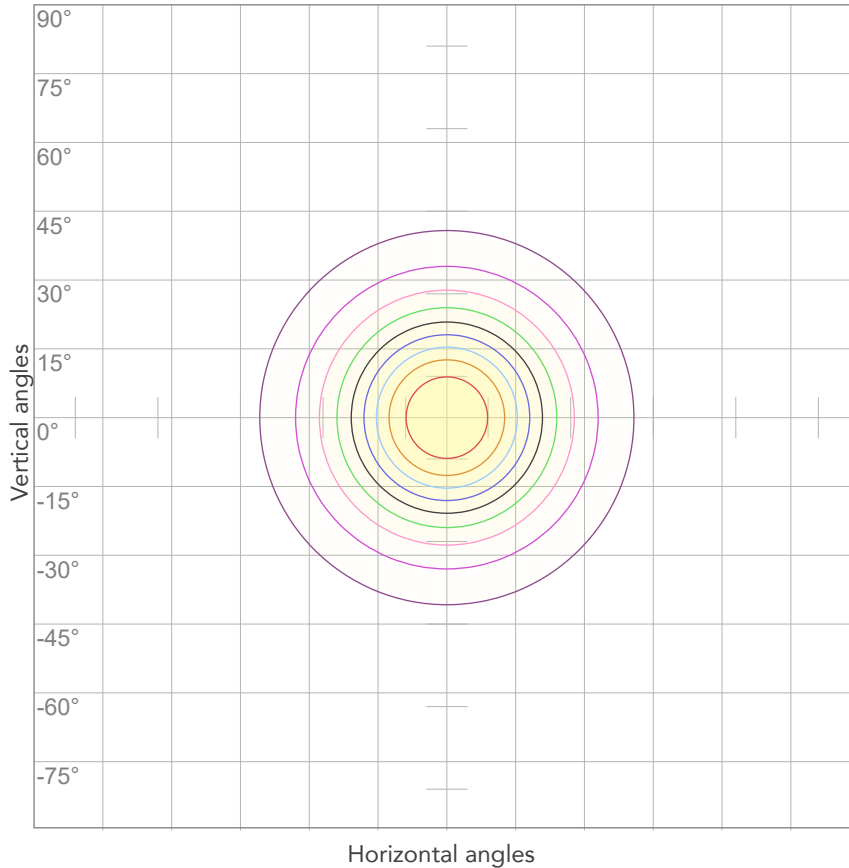


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,550A	101,8W	0,81	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



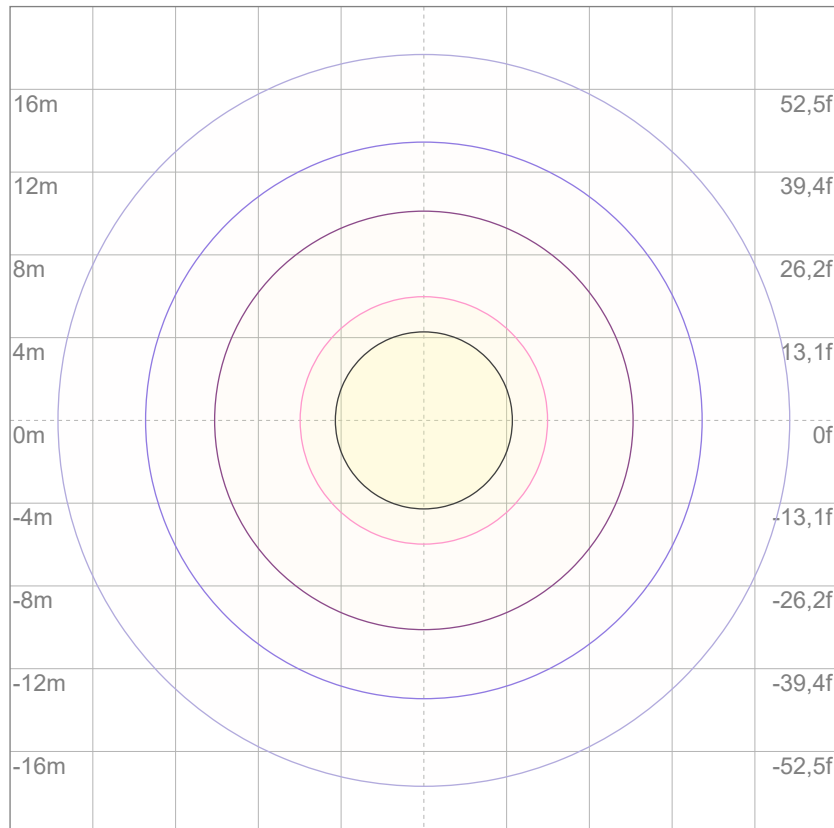
10%	866 cd
20%	1731 cd
30%	2597 cd
40%	3463 cd
50%	4328 cd
60%	5194 cd
70%	6060 cd
80%	6926 cd

Conditions:

Number of c-planes: 2

Candela at center: 8657 cd

## ISO LUX DIAGRAM



3%	2,60 lx
5%	4,33 lx
10%	8,66 lx
30%	26,0 lx
50%	43,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 86,6 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

6962 lm

Peak candela output:

6242 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 60°Filter

Target:

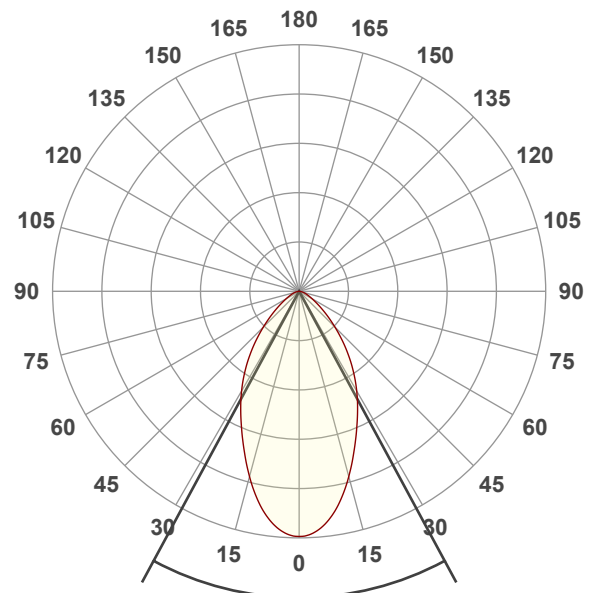
Green

Operator:

Salvatore Giglio

Date and time:

25/10/2024 13:36:20

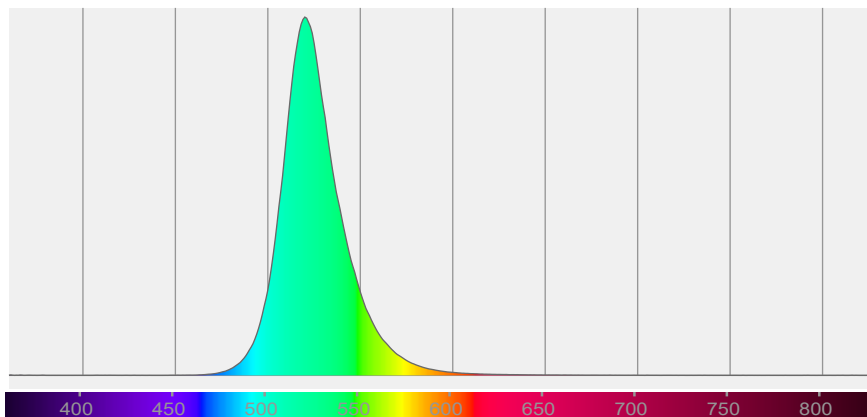


Beam angle 50%: 56,7°

Field angle 10%: 108,3°

Cut off angle 2.5%: 143,2°

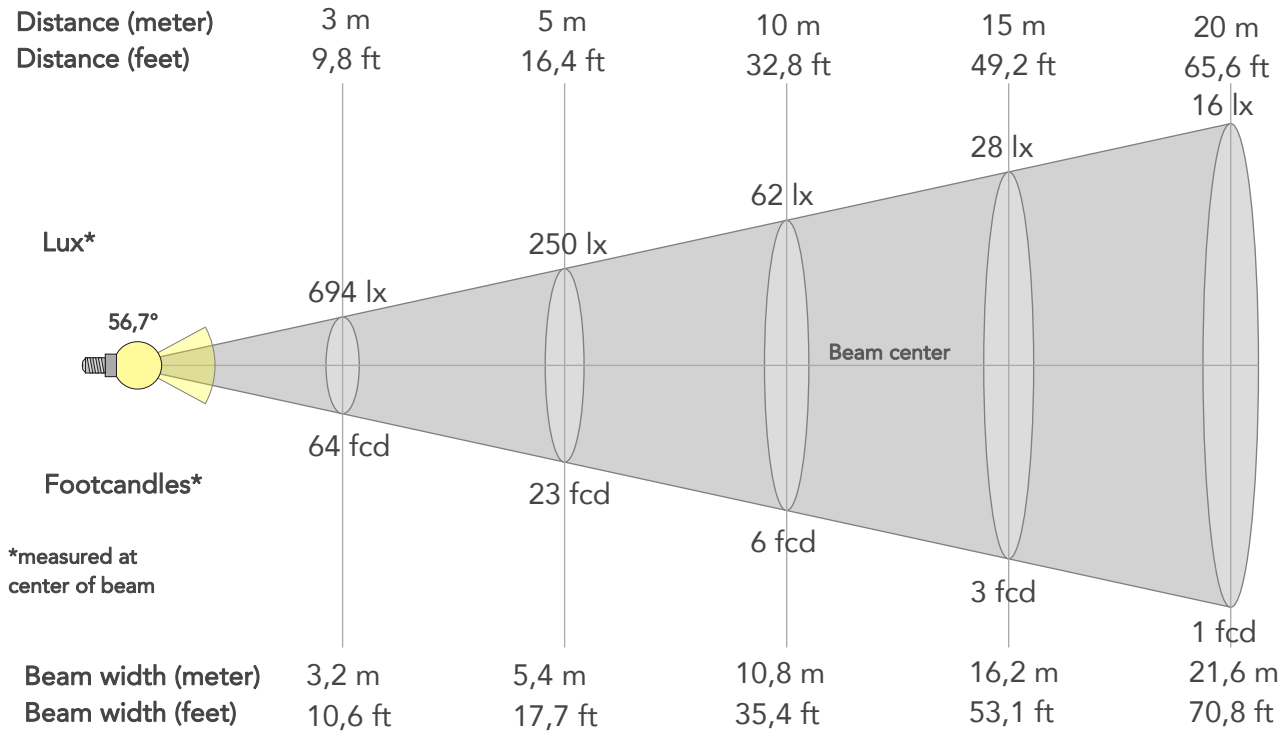
Spectra



# BEAM DETAILS



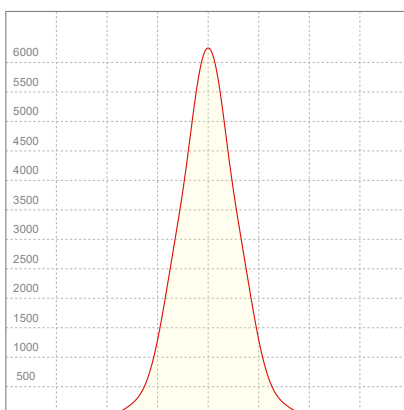
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	108,3°	143,2°	94,0%	80,1%



## 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	6242lx	1560lx	694lx	390lx	250lx	111lx	62lx	28lx	16lx	10lx	7lx	4lx	2lx
Footcand.	580fcd	145fcd	64fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,4m	43,2m	54m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,6ft	35,4ft	53,1ft	70,8ft	88,6ft	106,3ft	141,7ft	177,1ft

## LINEAR DISTRIBUTION DIAGRAM

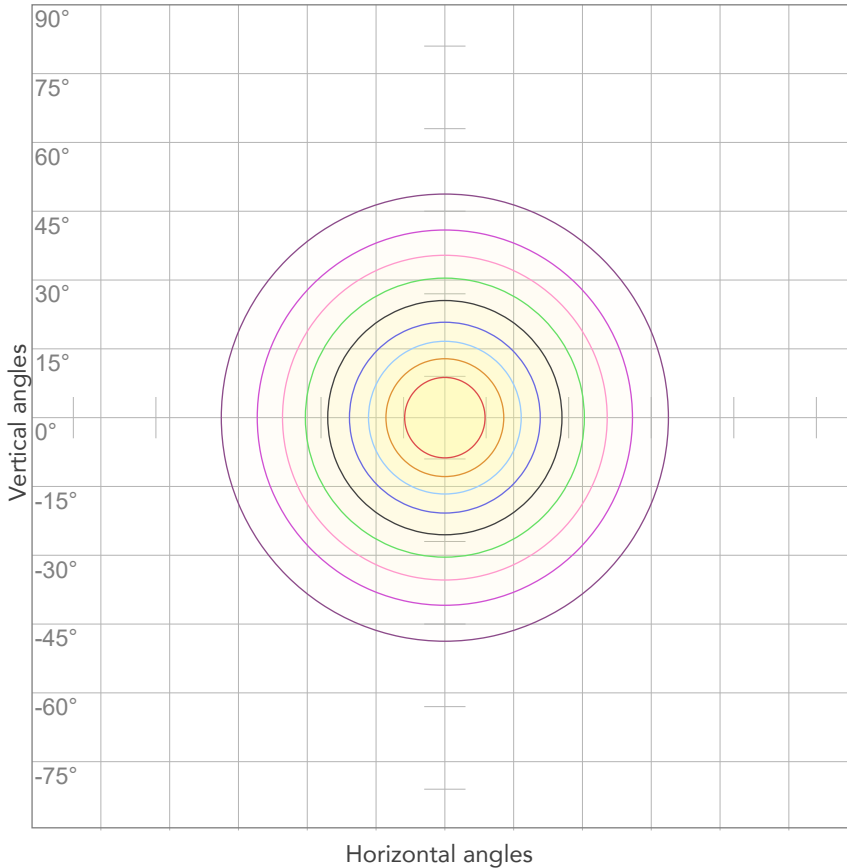


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,547A	100,7W	0,81	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



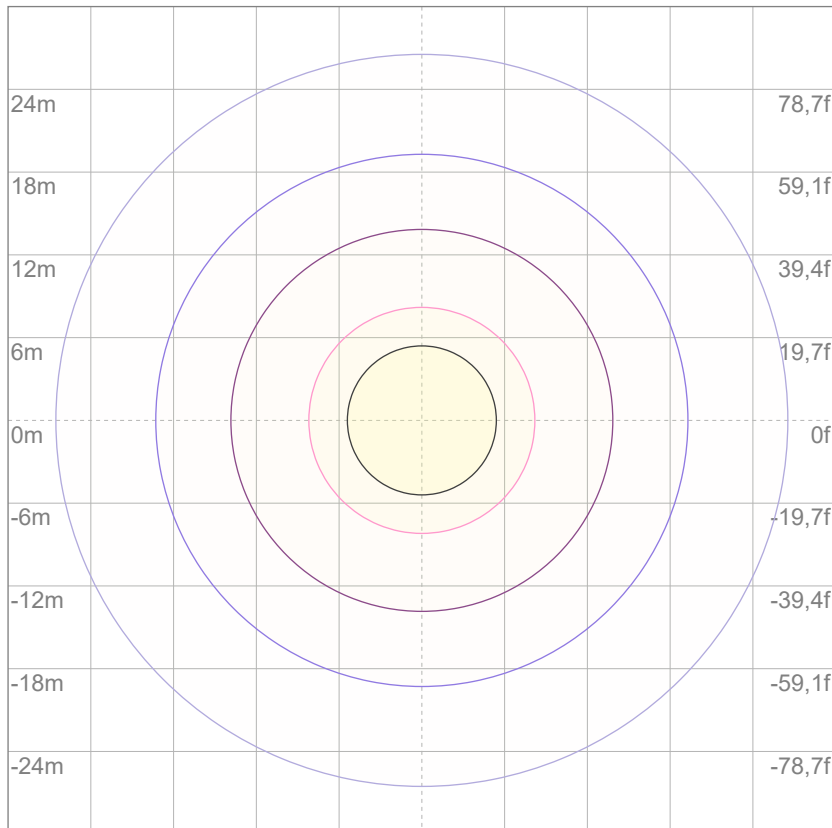
10%	624 cd
20%	1248 cd
30%	1872 cd
40%	2497 cd
50%	3121 cd
60%	3745 cd
70%	4369 cd
80%	4993 cd

Conditions:

Number of c-planes: 2

Candela at center: 6242 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,87 lx
5%	3,12 lx
10%	6,24 lx
30%	18,7 lx
50%	31,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 62,4 lx

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



Total lumen output:

9569 lm

Peak candela output:

20805 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

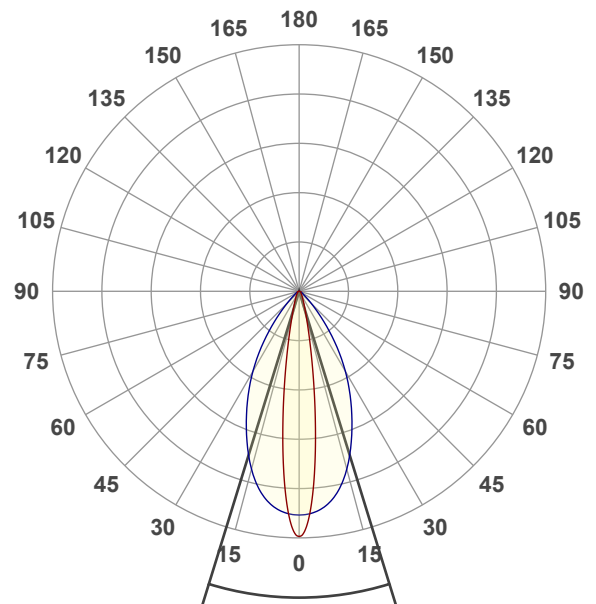
Green

Operator:

Salvatore Giglio

Date and time:

24/04/2024 12:33:26

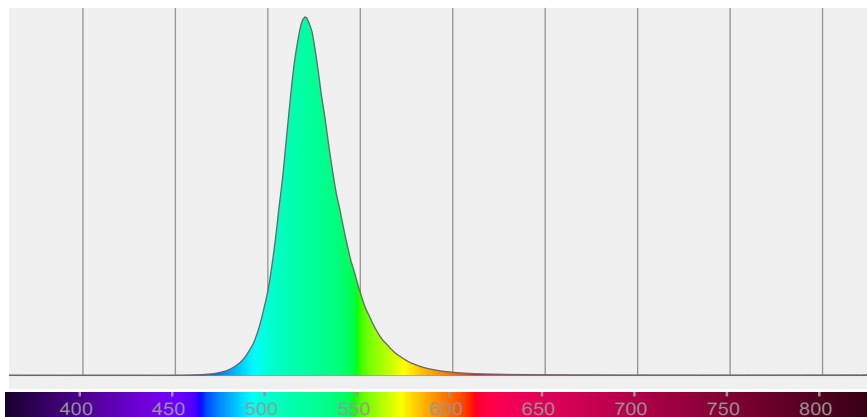


Beam angle 50%: 34,3°

Field angle 10%: 59,4°

Cut off angle 2.5%: 83,9°

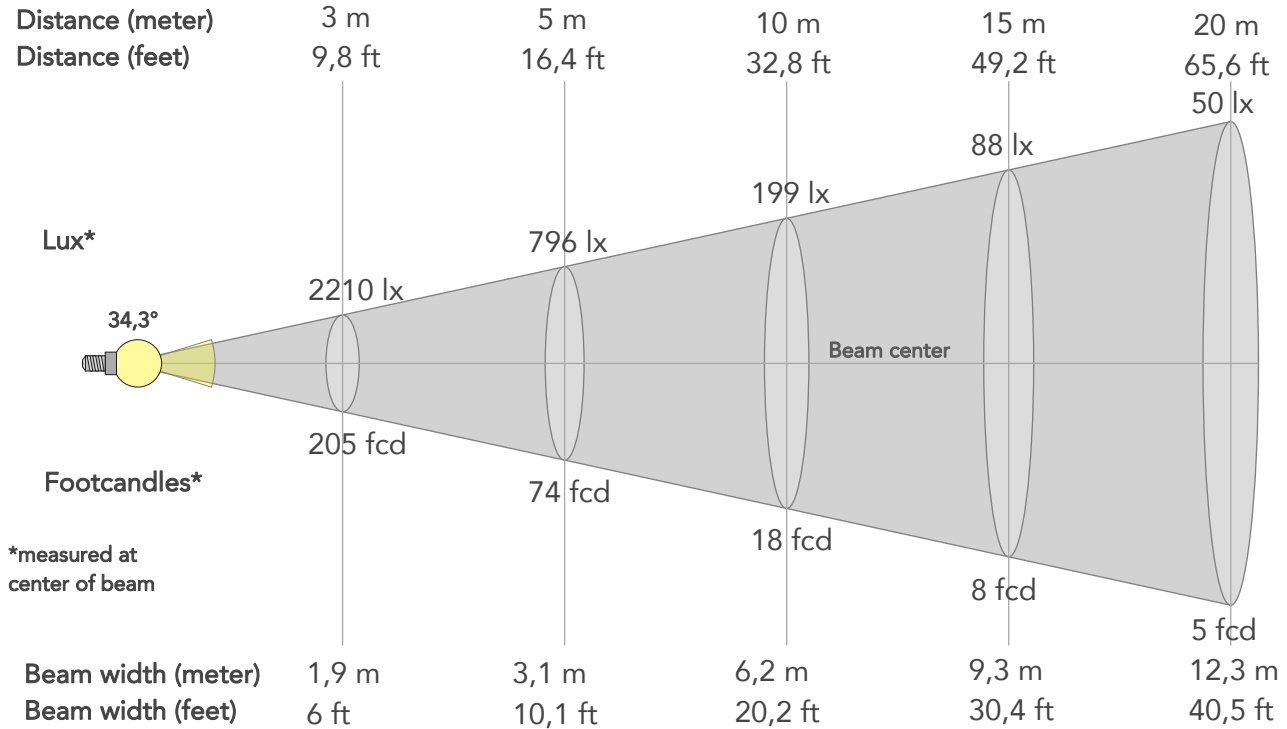
Spectra



# BEAM DETAILS



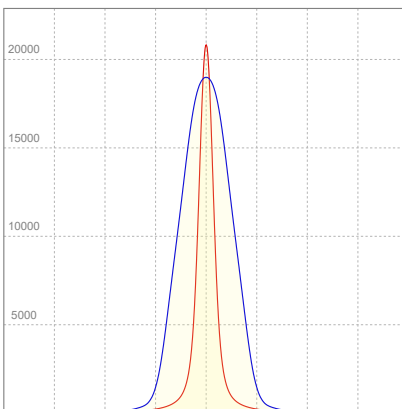
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,3°	59,4°	83,9°	96,9%	91,4%



## 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	19891lx	4973lx	2210lx	1243lx	796lx	354lx	199lx	88lx	50lx	32lx	22lx	12lx	8lx
Footcand.	1848fcd	462fcd	205fcd	115fcd	74fcd	33fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,9m	2,5m	3,1m	4,6m	6,2m	9,3m	12,3m	15,4m	18,5m	24,7m	30,8m
Beam wid.	2ft	4,1ft	6ft	8,1ft	10,1ft	15,2ft	20,2ft	30,4ft	40,5ft	50,6ft	60,7ft	80,9ft	101,2ft

## LINEAR DISTRIBUTION DIAGRAM

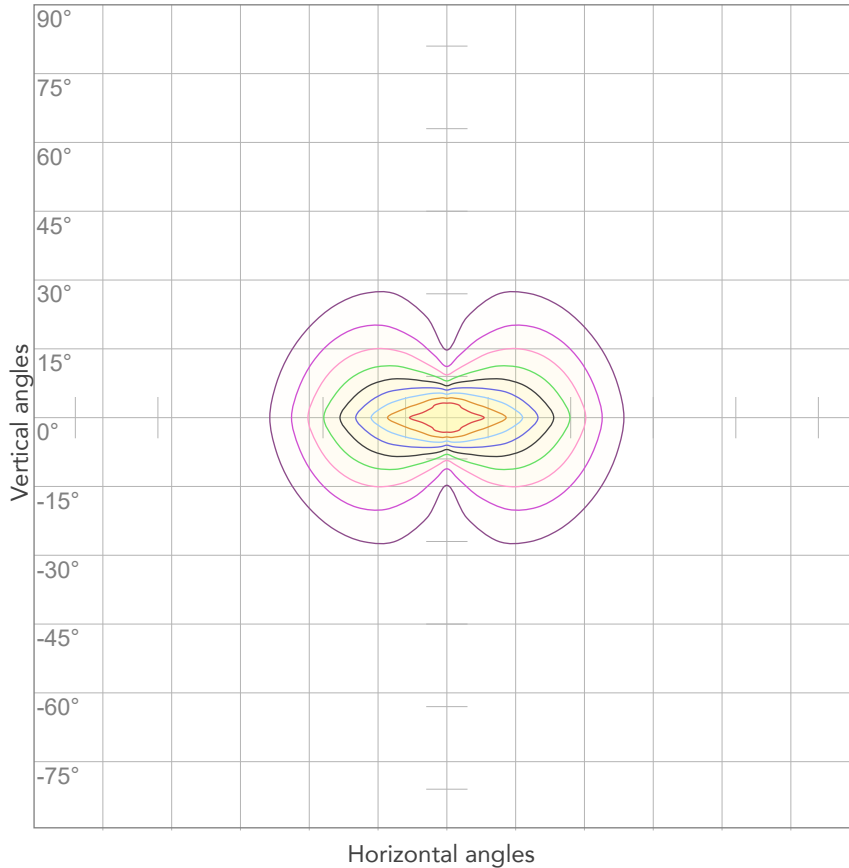


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,547A	100,6W	0,81	95lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



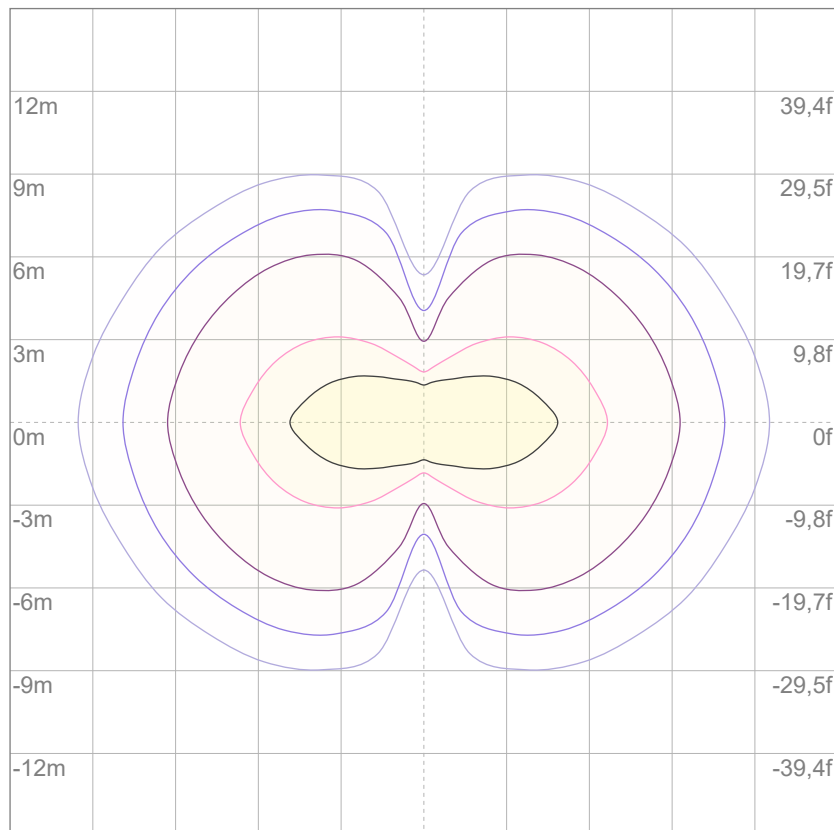
10%	1989 cd
20%	3978 cd
30%	5967 cd
40%	7957 cd
50%	9946 cd
60%	11935 cd
70%	13924 cd
80%	15913 cd

Conditions:

Number of c-planes: 4

Candela at center: 19891 cd

## ISO LUX DIAGRAM



3%	5,97 lx
5%	9,95 lx
10%	19,9 lx
30%	59,7 lx
50%	99,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 199 lx

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

Mounting height: 10 meters (33 feet)





Total lumen output:

6979 lm

Peak candela output:

10483 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

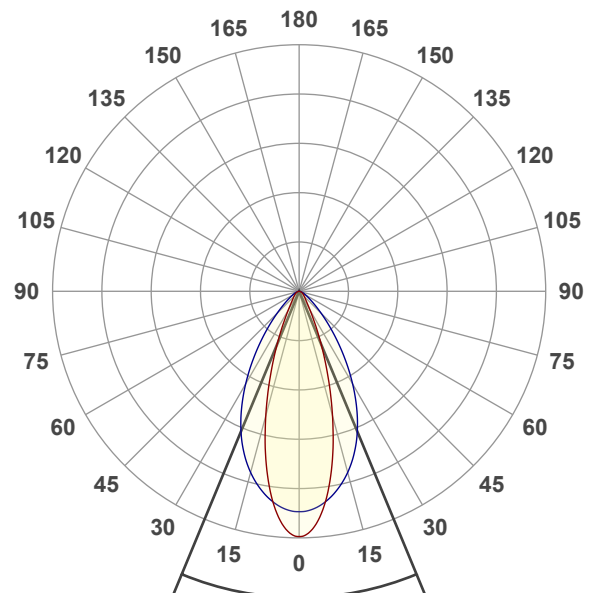
Green

Operator:

Salvatore Giglio

Date and time:

28/10/2024 14:10:55

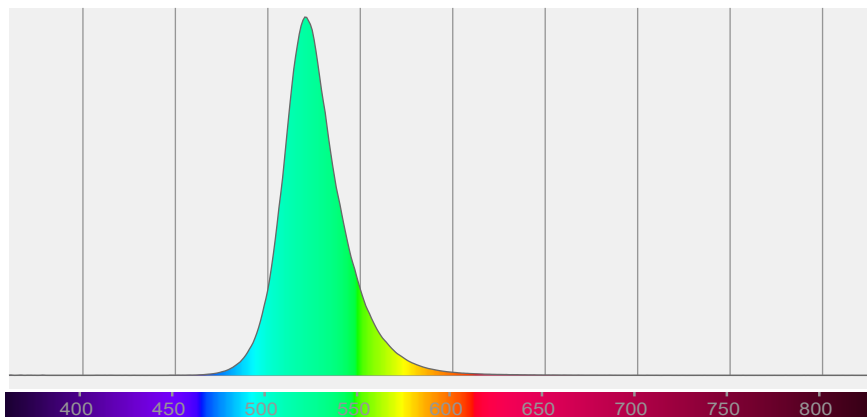


Beam angle 50%: 45,1°

Field angle 10%: 77,6°

Cut off angle 2.5%: 113,5°

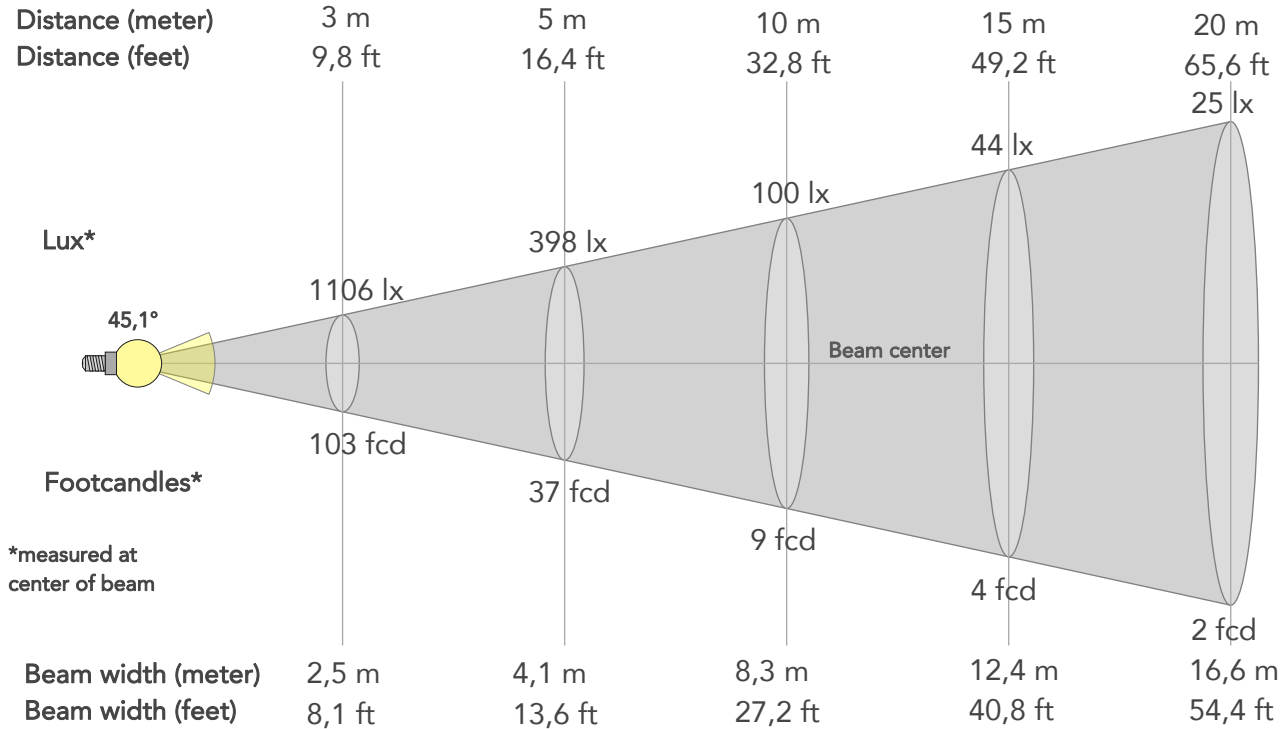
Spectra



# BEAM DETAILS



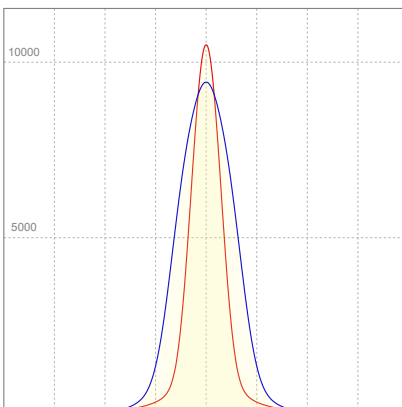
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,1°	77,6°	113,5°	95,8%	87,3%



## 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	9955lx	2489lx	1106lx	622lx	398lx	177lx	100lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	925fcd	231fcd	103fcd	58fcd	37fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,9m	33,2m	41,5m
Beam wid.	2,7ft	5,5ft	8,1ft	10,9ft	13,6ft	20,4ft	27,2ft	40,8ft	54,4ft	68ft	81,7ft	108,9ft	136,1ft

## LINEAR DISTRIBUTION DIAGRAM

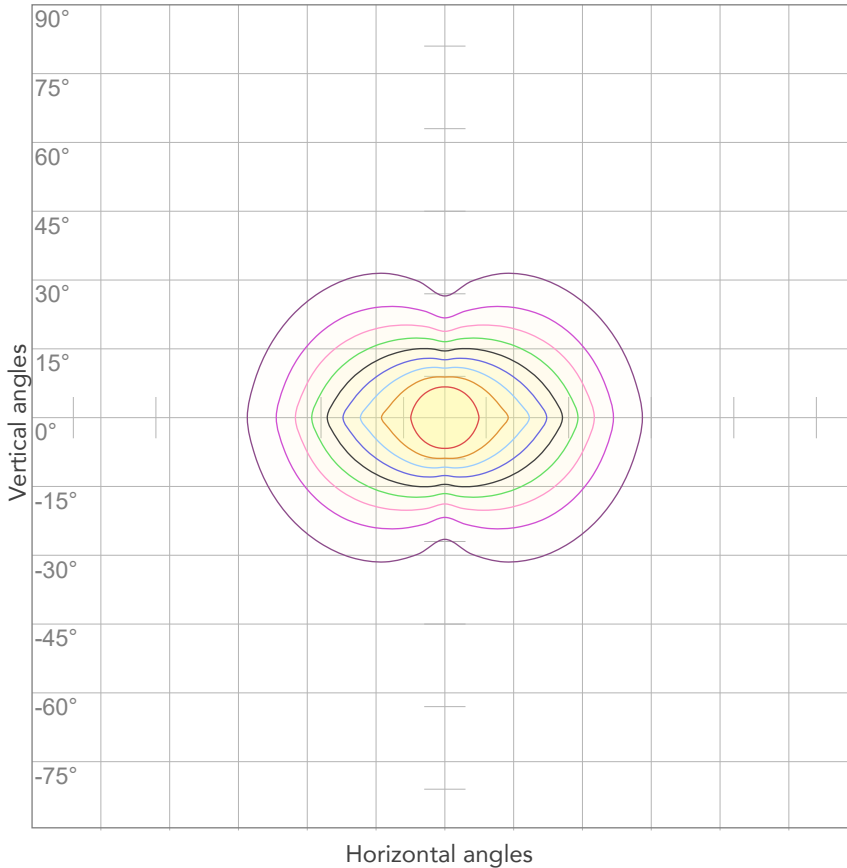


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,541A	99,7W	0,81	70lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



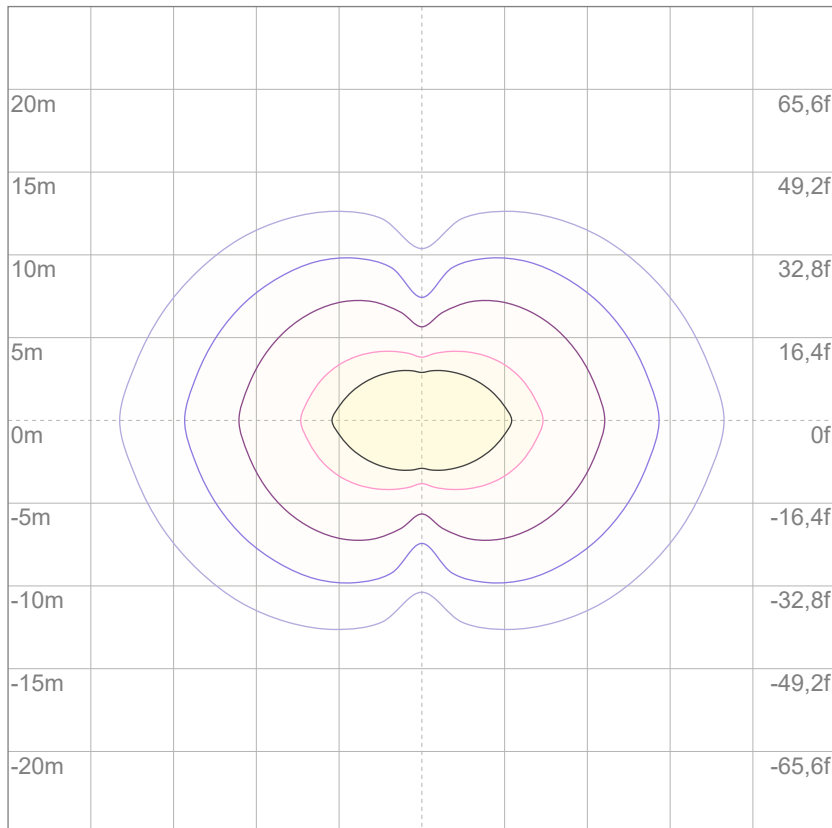
10%	995 cd
20%	1991 cd
30%	2986 cd
40%	3982 cd
50%	4977 cd
60%	5973 cd
70%	6968 cd
80%	7964 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 9955 cd

## ISO LUX DIAGRAM



3%	2,99 lx
5%	4,98 lx
10%	9,95 lx
30%	29,9 lx
50%	49,8 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 99,5 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

1783 lm

Peak candela output:

26391 cd

PRODUCT NAME:

ARCSPOTXLFC

MEASUREMENT CONDITIONS:

Beam angle:

Native Optic - 10°

Target:

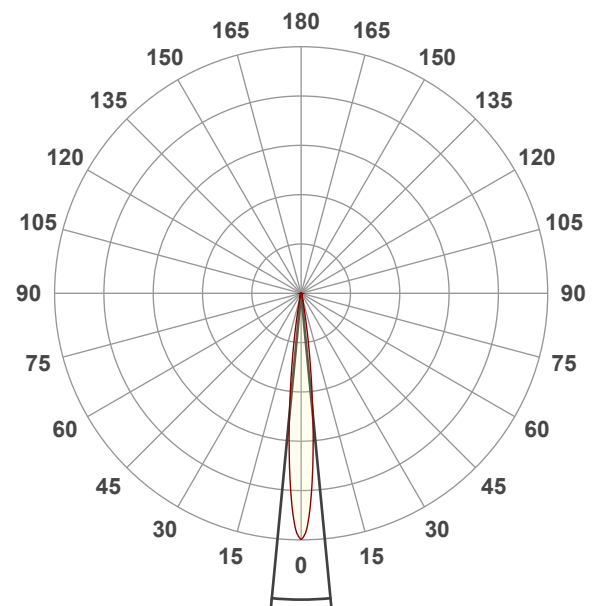
Blue

Operator:

Salvatore Giglio

Date and time:

24/04/2024 09:47:26

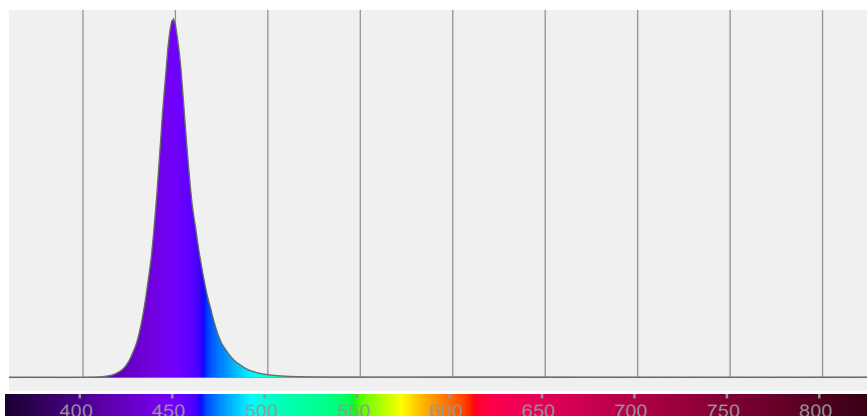


Beam angle 50%: 11°

Field angle 10%: 20,1°

Cut off angle 2.5%: 28,1°

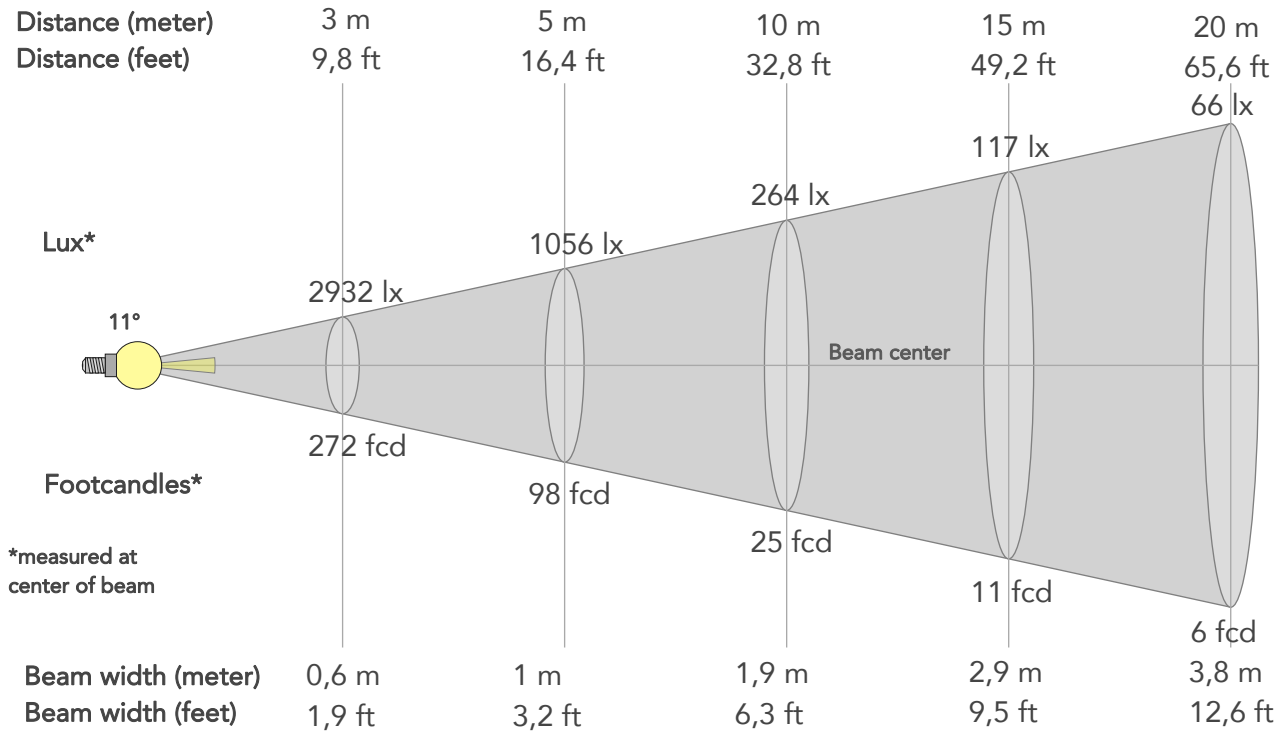
Spectra



# BEAM DETAILS



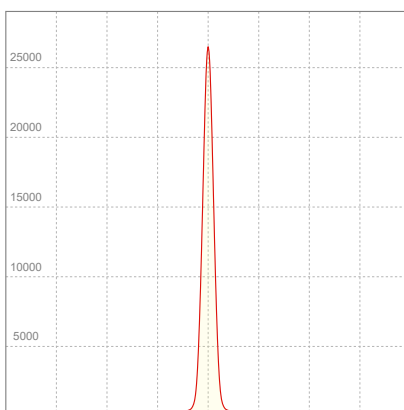
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11°	20,1°	28,1°	88,3%	81,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	26391lx	6598lx	2932lx	1649lx	1056lx	469lx	264lx	117lx	66lx	42lx	29lx	16lx	11lx
Footcand.	2452fcd	613fcd	272fcd	153fcd	98fcd	44fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,8m	4,8m	5,8m	7,7m	9,6m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,2ft	4,7ft	6,3ft	9,5ft	12,6ft	15,8ft	18,9ft	25,3ft	31,6ft

## LINEAR DISTRIBUTION DIAGRAM

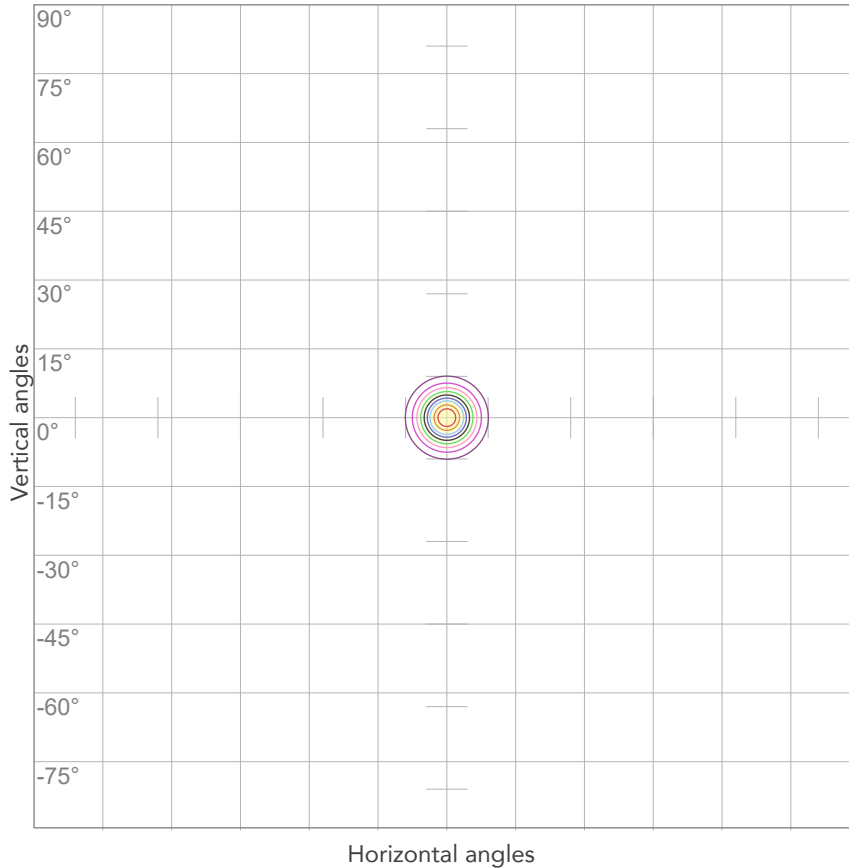


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,564A	105,3W	0,83	17lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



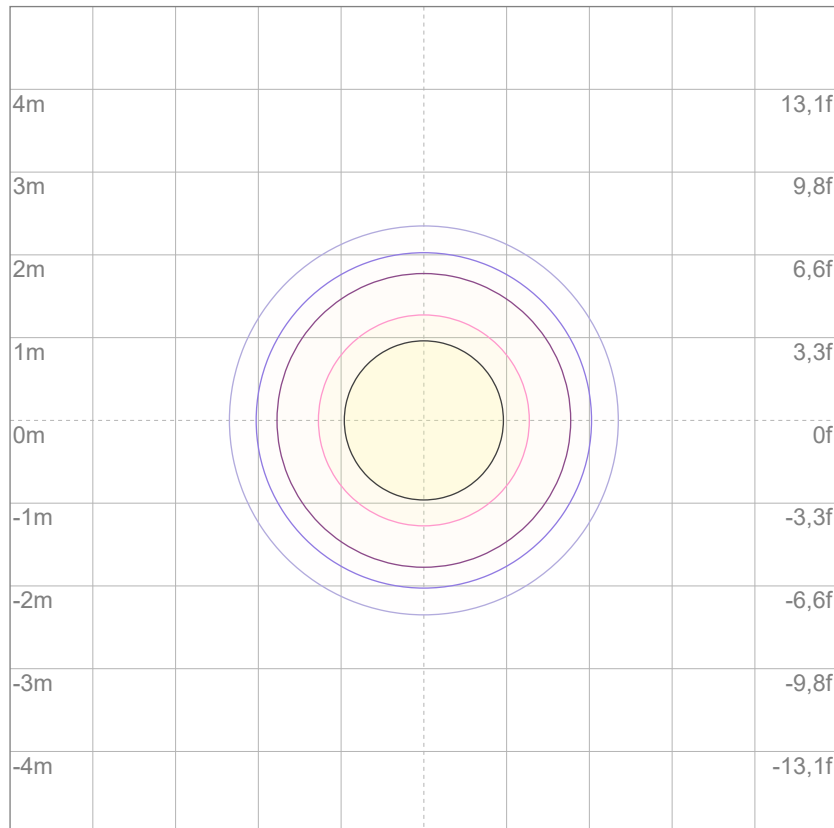
10%	2639 cd
20%	5278 cd
30%	7917 cd
40%	10556 cd
50%	13195 cd
60%	15835 cd
70%	18474 cd
80%	21113 cd

Conditions:

Number of c-planes: 2

Candela at center: 26391 cd

## ISO LUX DIAGRAM



3%	7,92 lx
5%	13,2 lx
10%	26,4 lx
30%	79,2 lx
50%	132 lx

Conditions:

Number of c-planes: 2

Lux at center: 264 lx

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



Total lumen output:

1299 lm

Peak candela output:

5158 cd

**PRODUCT NAME:**

**ARCSPOTXLFC**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 20°Filter

**Target:**

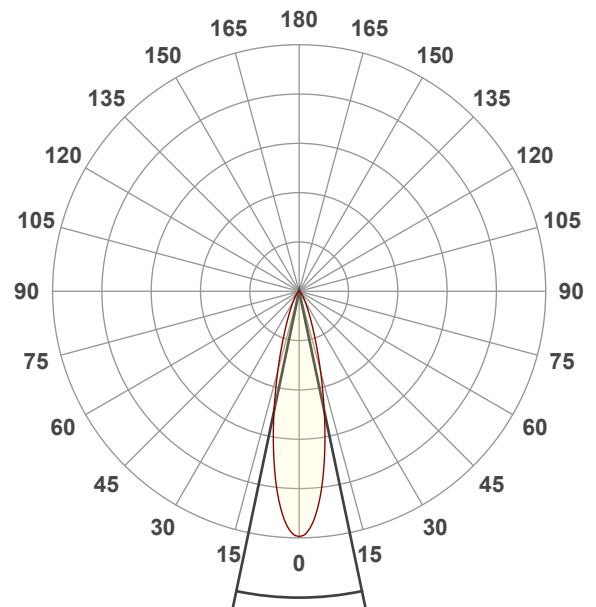
Blue

**Operator:**

Salvatore Giglio

**Date and time:**

25/10/2024 15:17:32

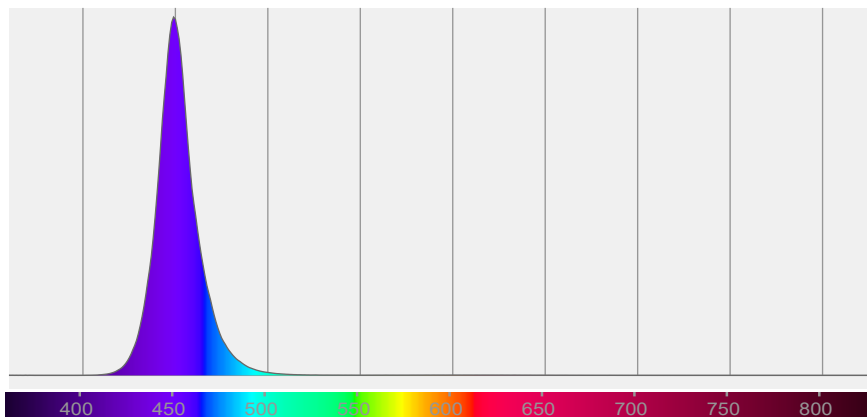


**Beam angle 50%: 23,7°**

**Field angle 10%: 47,7°**

**Cut off angle 2.5%: 73,2°**

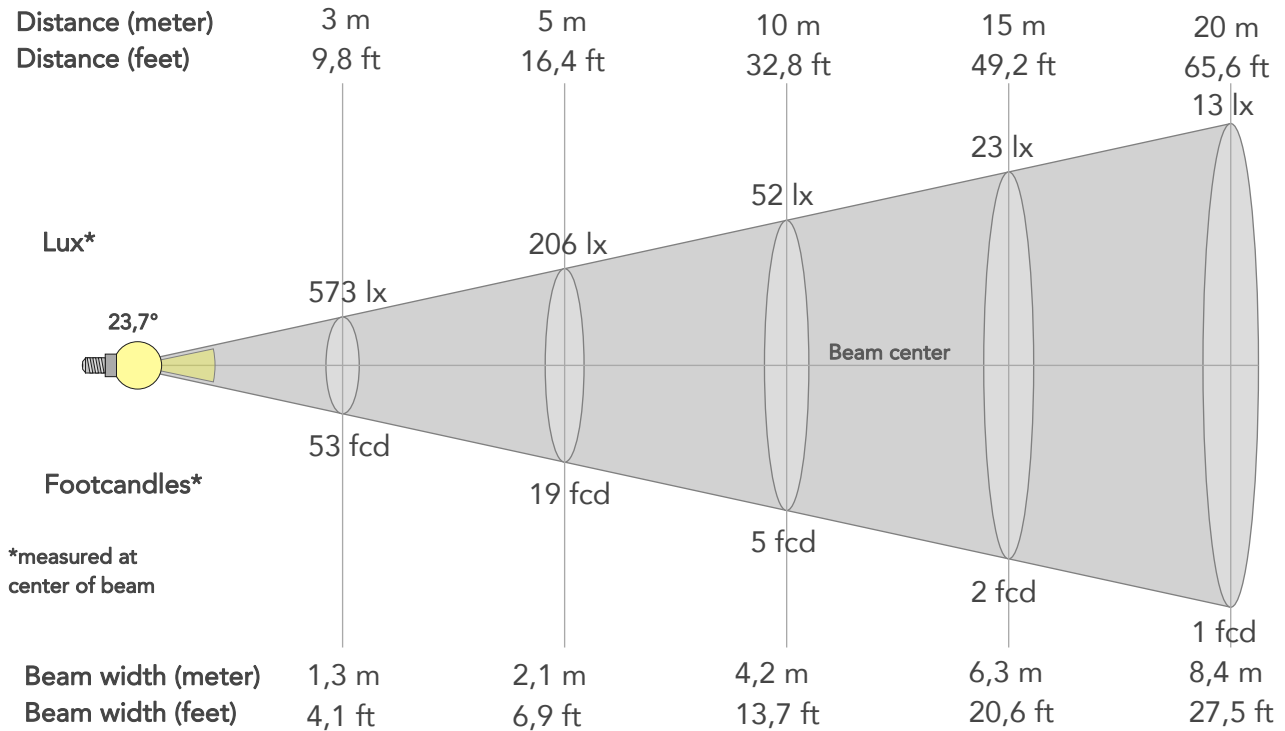
**Spectra**



# BEAM DETAILS



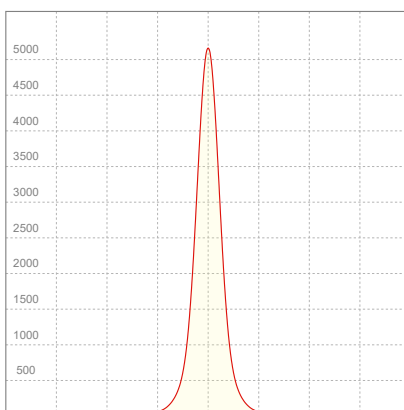
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,7°	47,7°	73,2°	97,4%	93,3%



## 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	5158lx	1290lx	573lx	322lx	206lx	92lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	479fcd	120fcd	53fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,4m	10,5m	12,6m	16,8m	21m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,3ft	13,7ft	20,6ft	27,5ft	34,4ft	41,2ft	55ft	68,7ft

## LINEAR DISTRIBUTION DIAGRAM



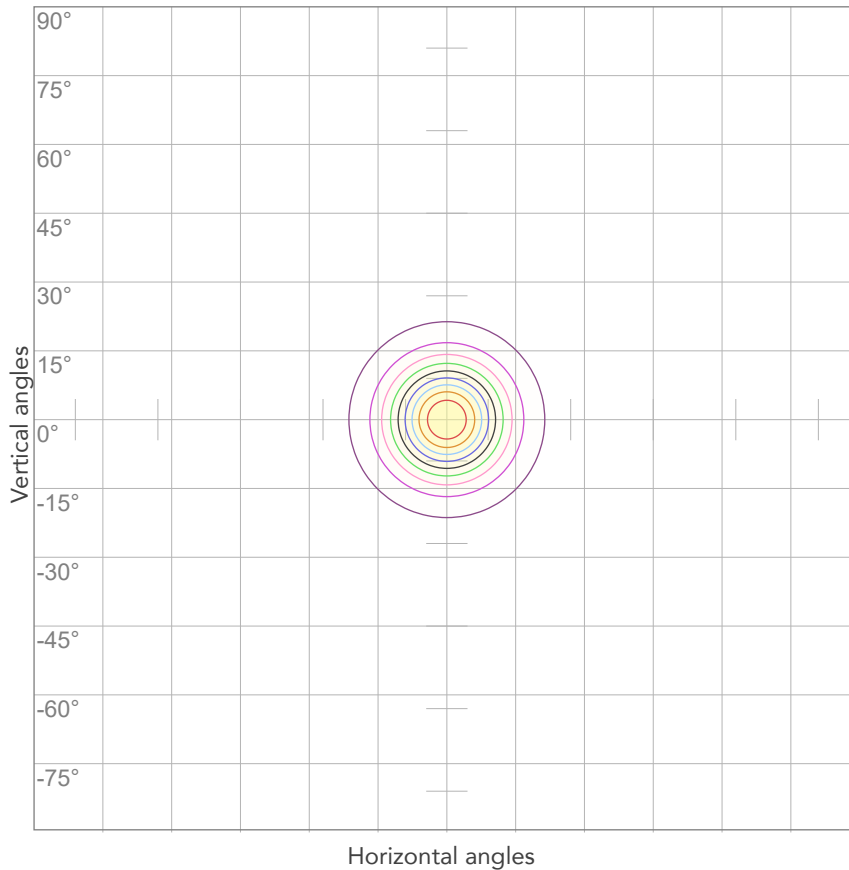
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,562A	104,9W	0,82	12lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



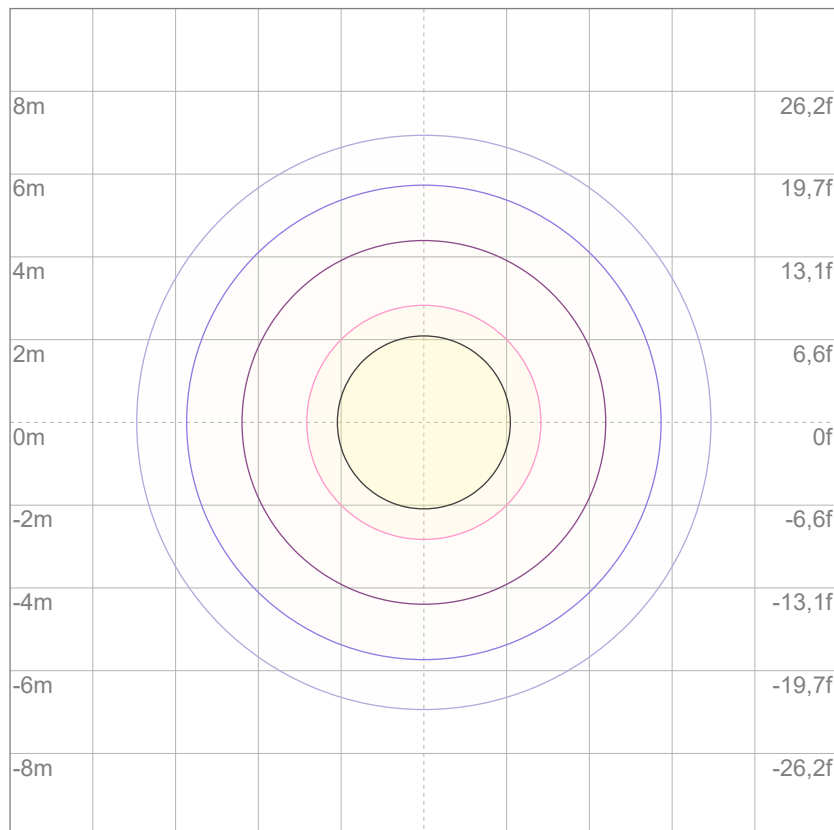
10%	516 cd
20%	1032 cd
30%	1548 cd
40%	2063 cd
50%	2579 cd
60%	3095 cd
70%	3611 cd
80%	4127 cd

Conditions:

Number of c-planes: 2

Candela at center: 5158 cd

## ISO LUX DIAGRAM



3%	1,55 lx
5%	2,58 lx
10%	5,16 lx
30%	15,5 lx
50%	25,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 51,6 lx

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



Total lumen output:

1393 lm

Peak candela output:

1592 cd

**PRODUCT NAME:**  
ARCSPOTXLFC

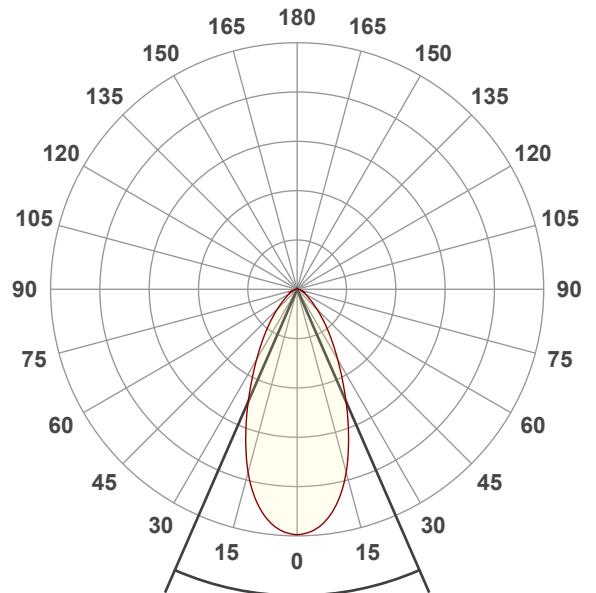
**MEASURAMENT CONDITIONS:**

Beam angle:  
10°+ 40° Filter

Target:  
Blue

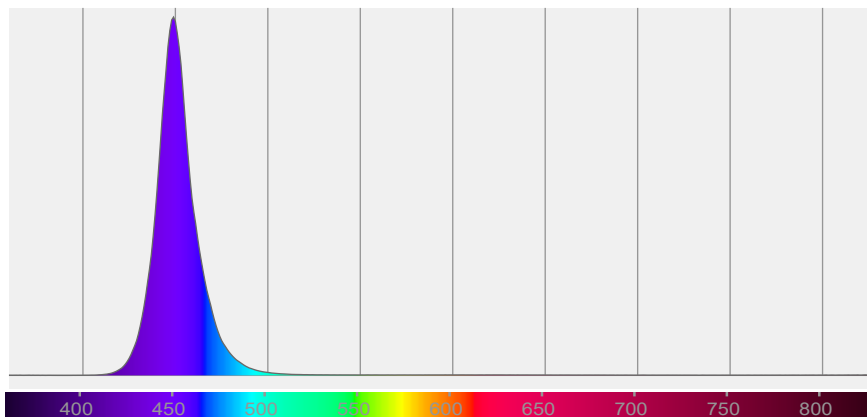
Operator:  
Salvatore Giglio

Date and time:  
24/04/2024 11:25:24



Beam angle 50%: 47,1°  
Field angle 10%: 93,3°  
Cut off angle 2.5%: 136,6°

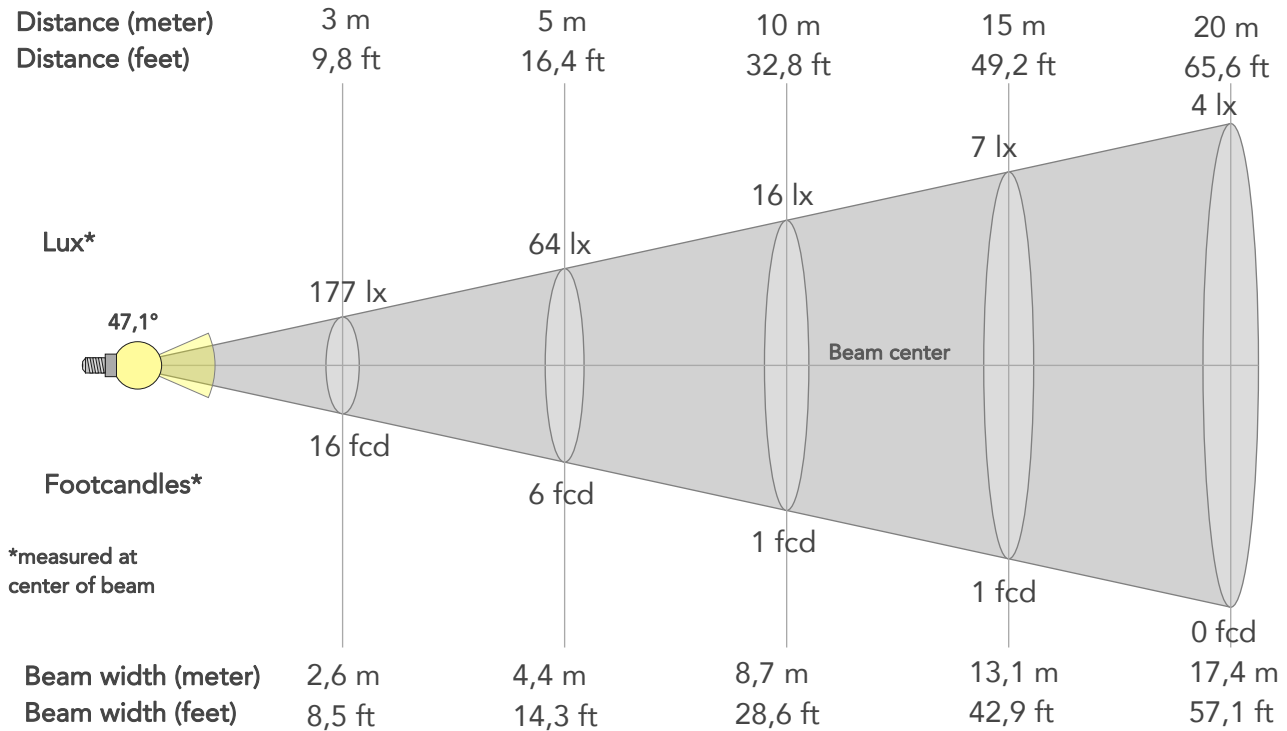
Spectra



# BEAM DETAILS



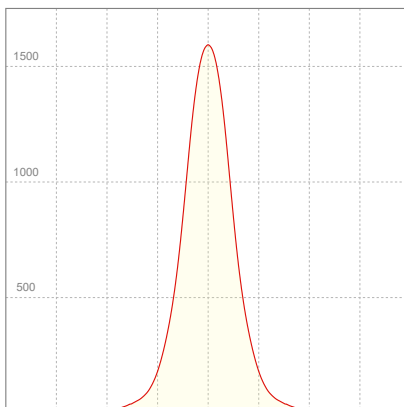
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47,1°	93,3°	136,6°	91,6%	81,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1592lx	398lx	177lx	99lx	64lx	28lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	148fcd	37fcd	16fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,9m	1,7m	2,6m	3,5m	4,4m	6,5m	8,7m	13,1m	17,4m	21,8m	26,1m	34,8m	43,6m
Beam wid.	2,9ft	5,7ft	8,5ft	11,4ft	14,3ft	21,4ft	28,6ft	42,9ft	57,1ft	71,4ft	85,7ft	114,3ft	142,9ft

## LINEAR DISTRIBUTION DIAGRAM

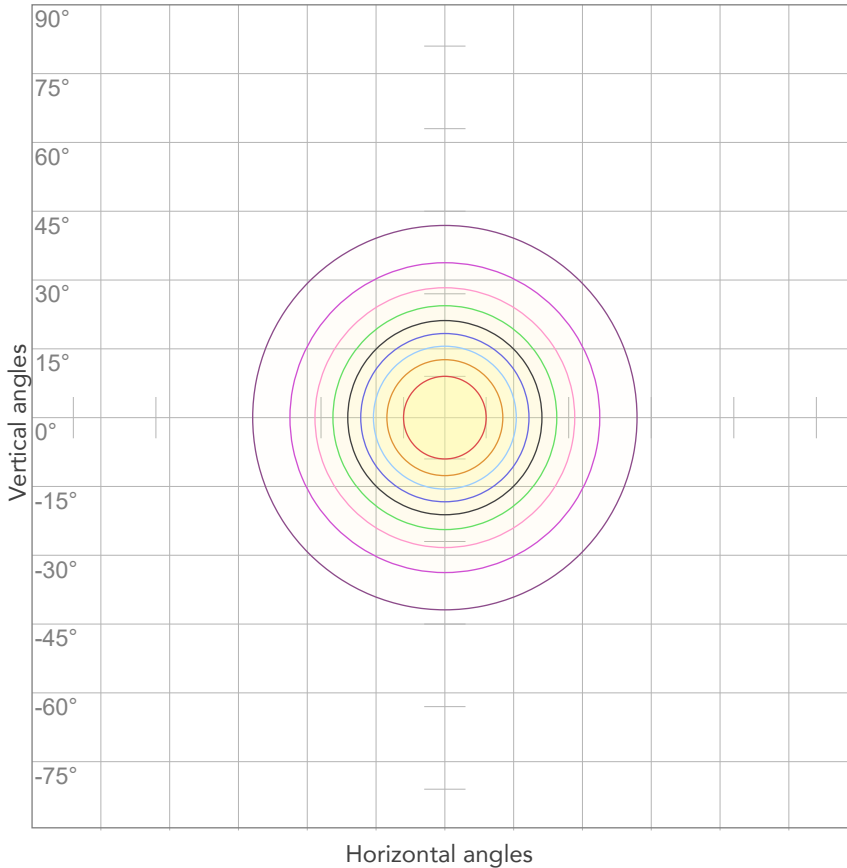


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,562A	105,1W	0,82	13lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



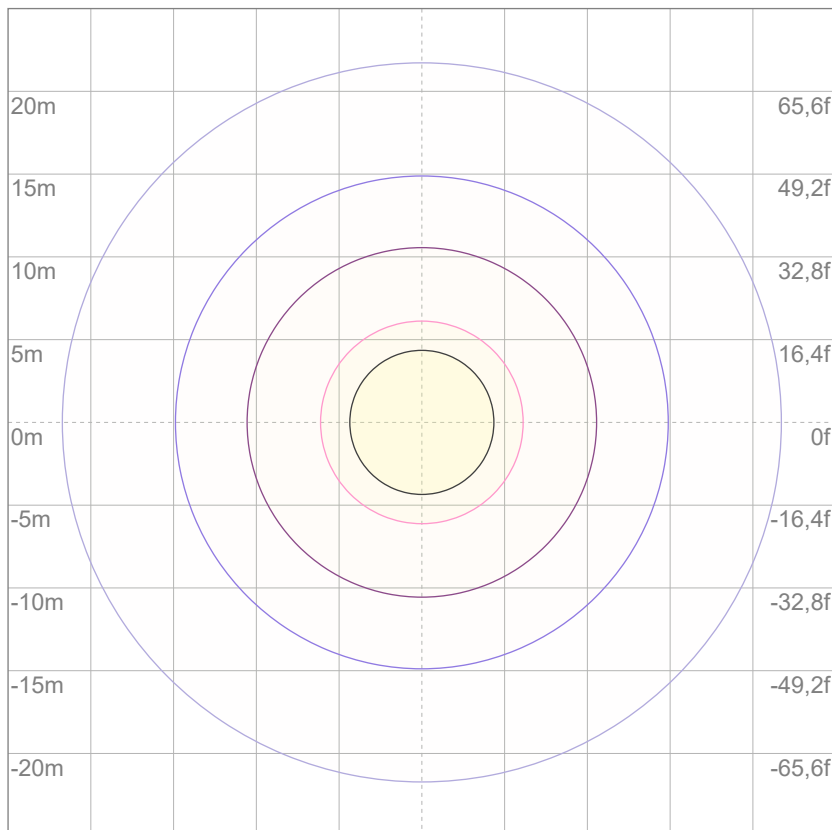
10%	159 cd
20%	318 cd
30%	477 cd
40%	637 cd
50%	796 cd
60%	955 cd
70%	1114 cd
80%	1273 cd

Conditions:

Number of c-planes: 2

Candela at center: 1592 cd

## ISO LUX DIAGRAM



3%	0,477 lx
5%	0,796 lx
10%	1,59 lx
30%	4,77 lx
50%	7,96 lx

Conditions:

Number of c-planes: 2

Lux at center: 15,9 lx

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



Total lumen output:

1320 lm

Peak candela output:

1165 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 60°Filter

Target:

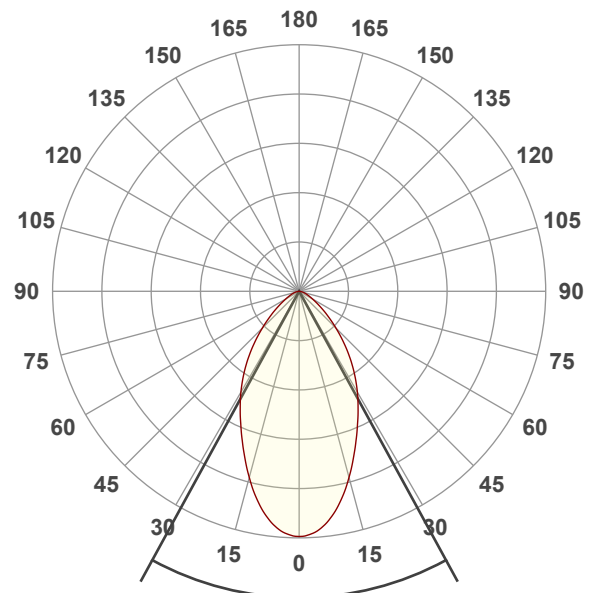
Blue

Operator:

Salvatore Giglio

Date and time:

25/10/2024 13:38:05

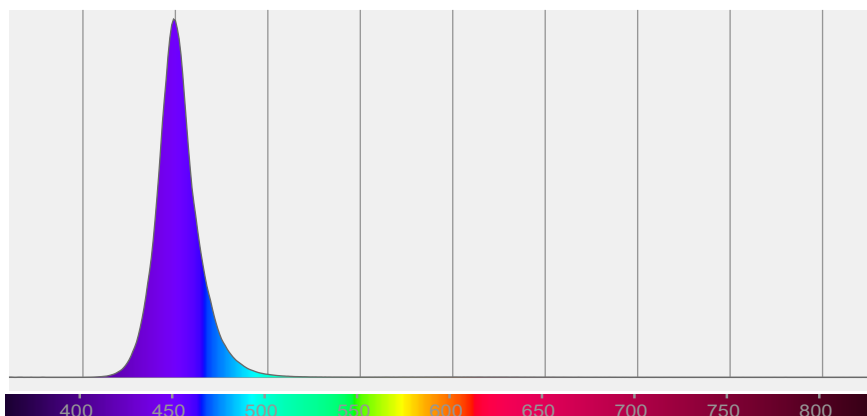


Beam angle 50%: 57,3°

Field angle 10%: 109,2°

Cut off angle 2.5%: 143,6°

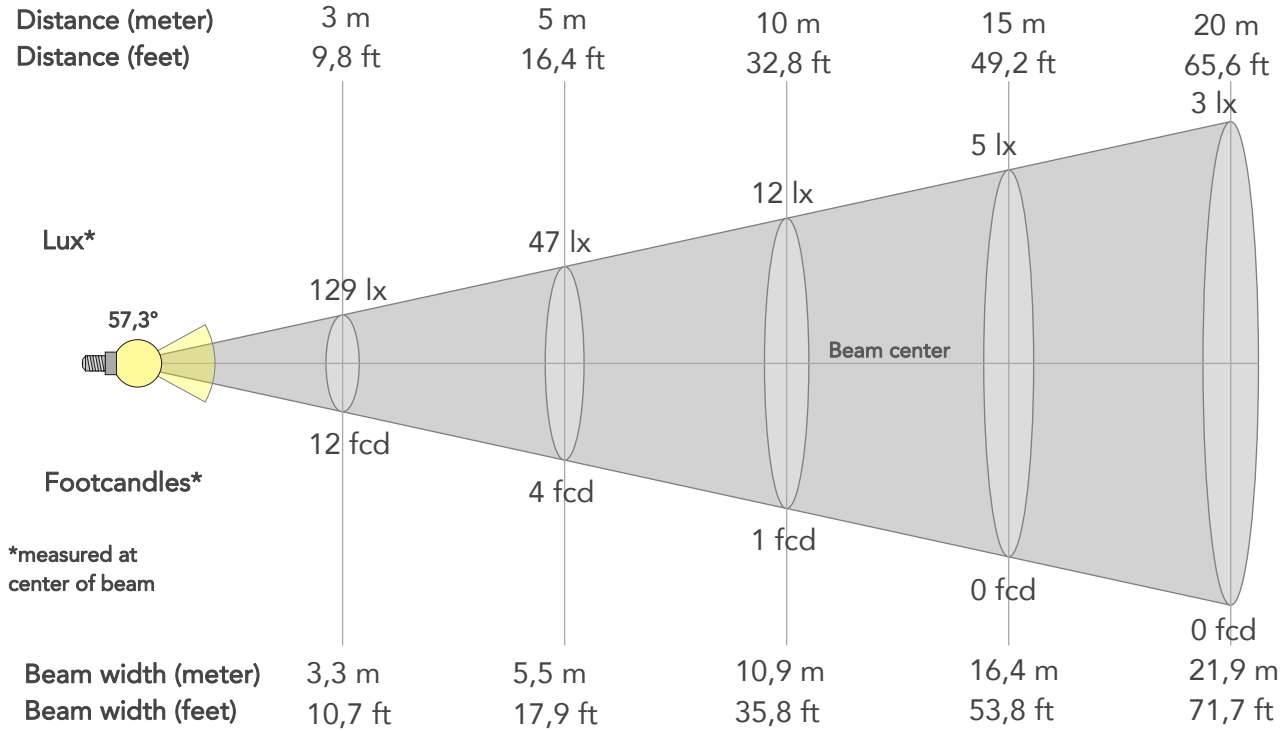
Spectra



# BEAM DETAILS



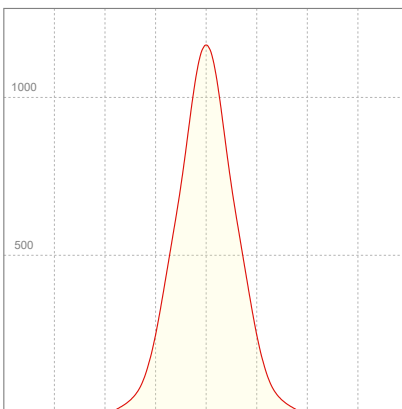
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,3°	109,2°	143,6°	93,9%	79,7%



## 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	1165lx	291lx	129lx	73lx	47lx	21lx	12lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	108fcd	27fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,9m	27,3m	32,8m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,9ft	35,8ft	53,8ft	71,7ft	89,6ft	107,5ft	143,3ft	179,2ft

## LINEAR DISTRIBUTION DIAGRAM

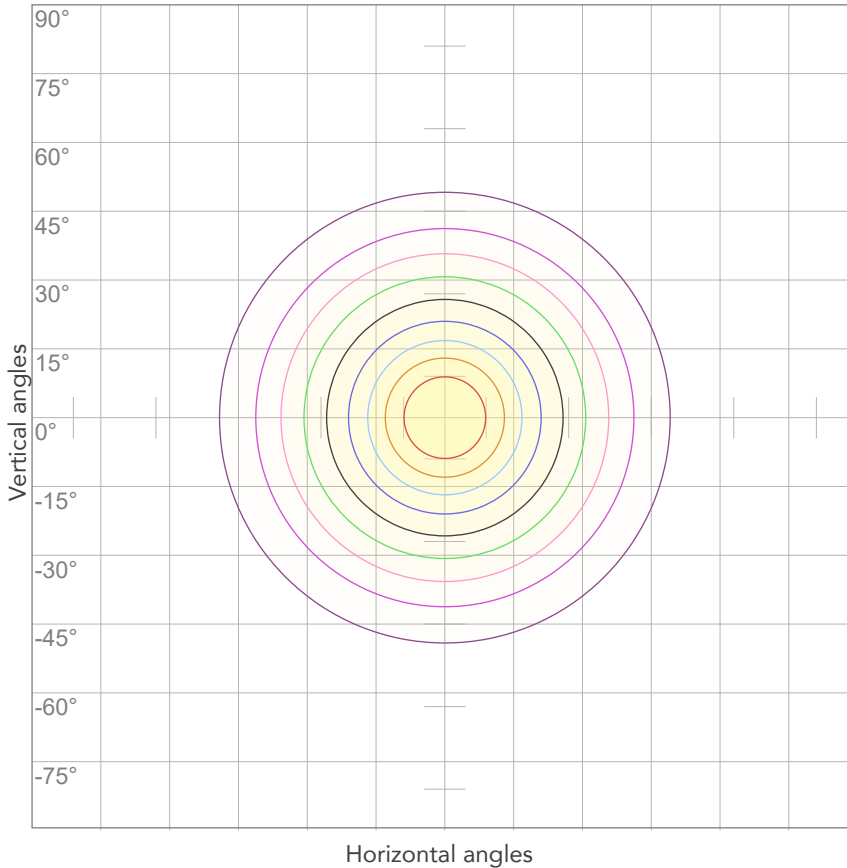


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,561A	104,5W	0,82	13lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



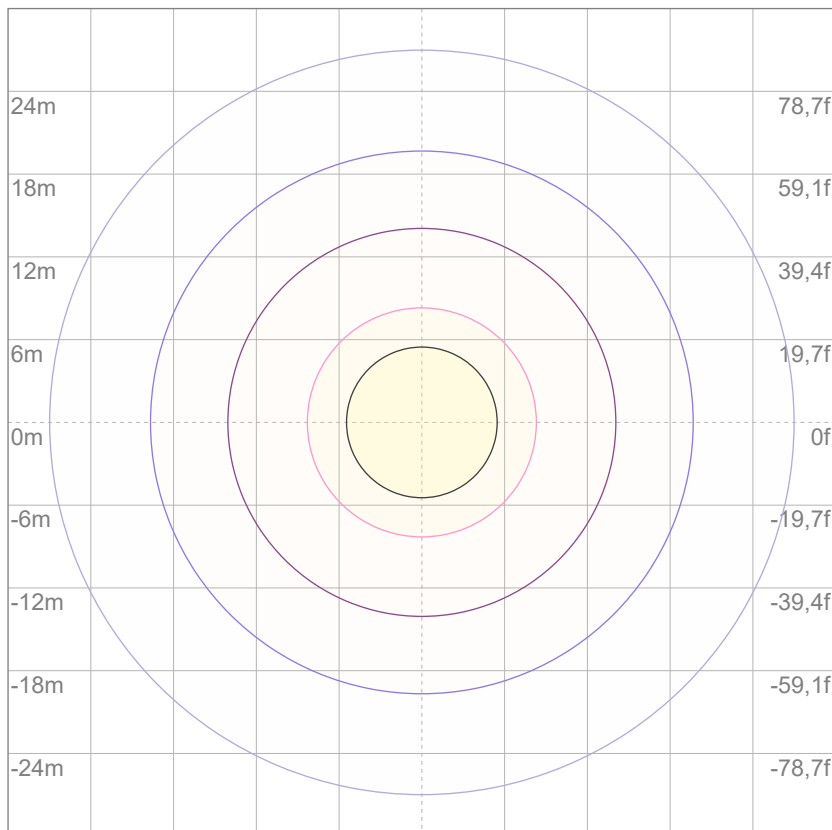
10%	117 cd
20%	233 cd
30%	350 cd
40%	466 cd
50%	583 cd
60%	699 cd
70%	816 cd
80%	932 cd

Conditions:

Number of c-planes: 2

Candela at center: 1165 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,350 lx
5%	0,583 lx
10%	1,17 lx
30%	3,50 lx
50%	5,83 lx

Conditions:

Number of c-planes: 2

Lux at center: 11,7 lx

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



Total lumen output:

1985 lm

Peak candela output:

3853 cd

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

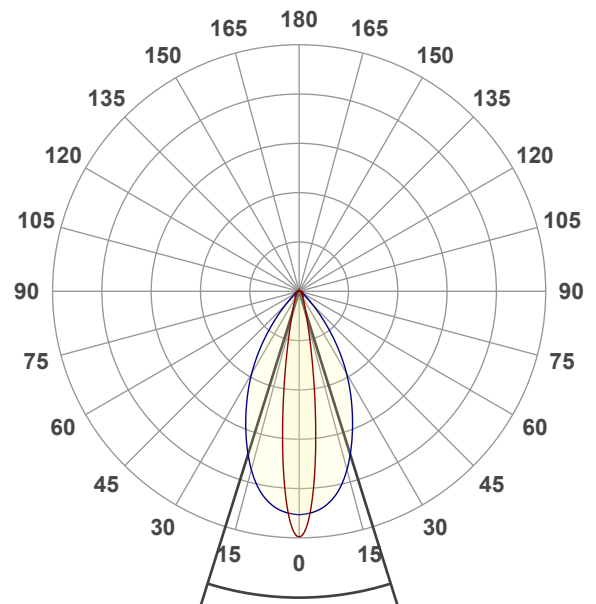
Blue

Operator:

Salvatore Giglio

Date and time:

24/04/2024 12:36:38

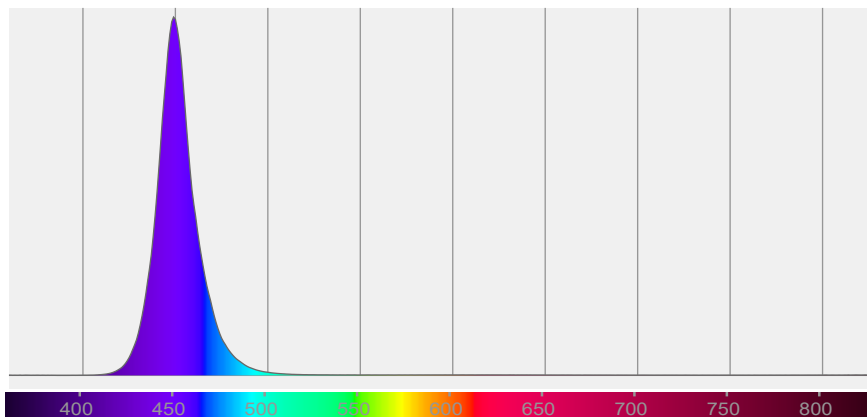


Beam angle 50%: 34,8°

Field angle 10%: 61,1°

Cut off angle 2.5%: 94,8°

Spectra

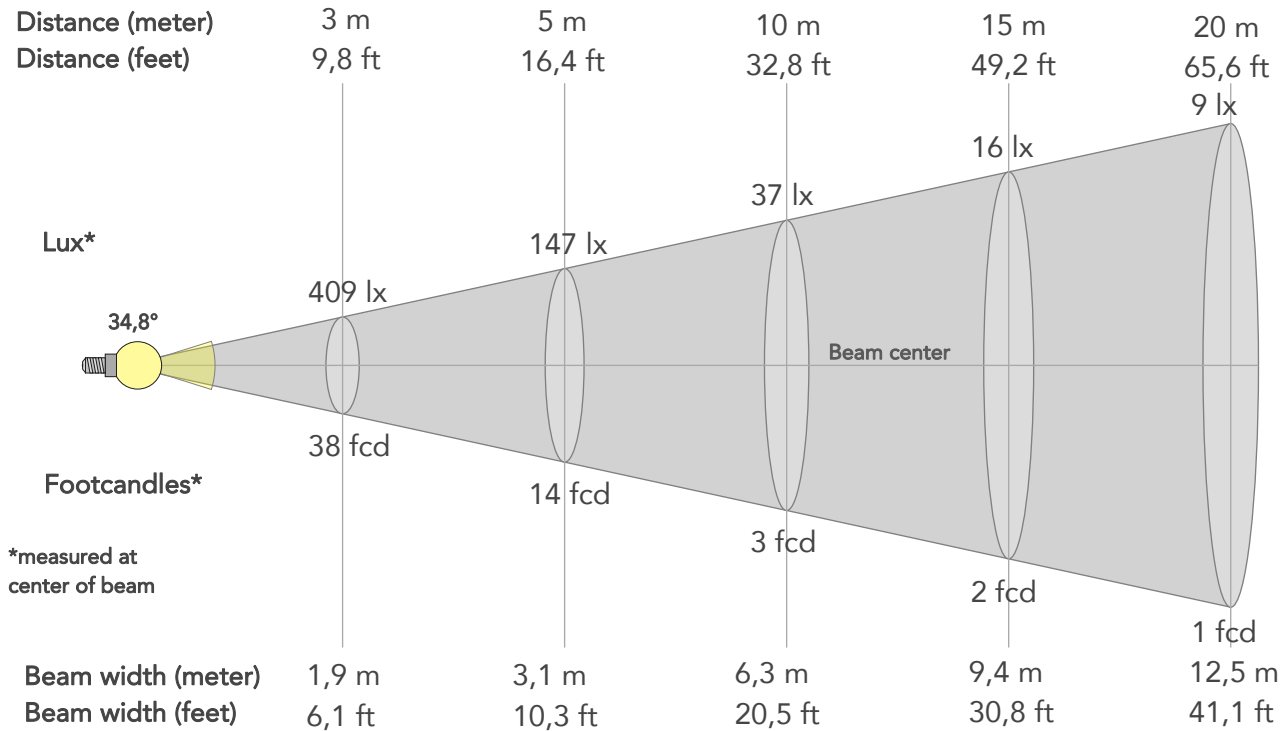




# BEAM DETAILS



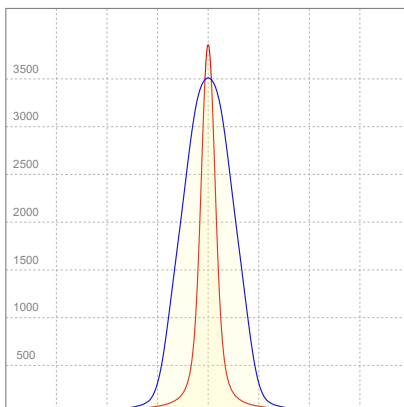
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34,8°	61,1°	94,8°	91,6%	84,7%



## 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	3681lx	920lx	409lx	230lx	147lx	65lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	342fcd	85fcd	38fcd	21fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,1m	4,7m	6,3m	9,4m	12,5m	15,7m	18,8m	25,1m	31,3m
Beam wid.	2,1ft	4,1ft	6,1ft	8,2ft	10,3ft	15,4ft	20,5ft	30,8ft	41,1ft	51,4ft	61,6ft	82,2ft	102,7ft

## LINEAR DISTRIBUTION DIAGRAM

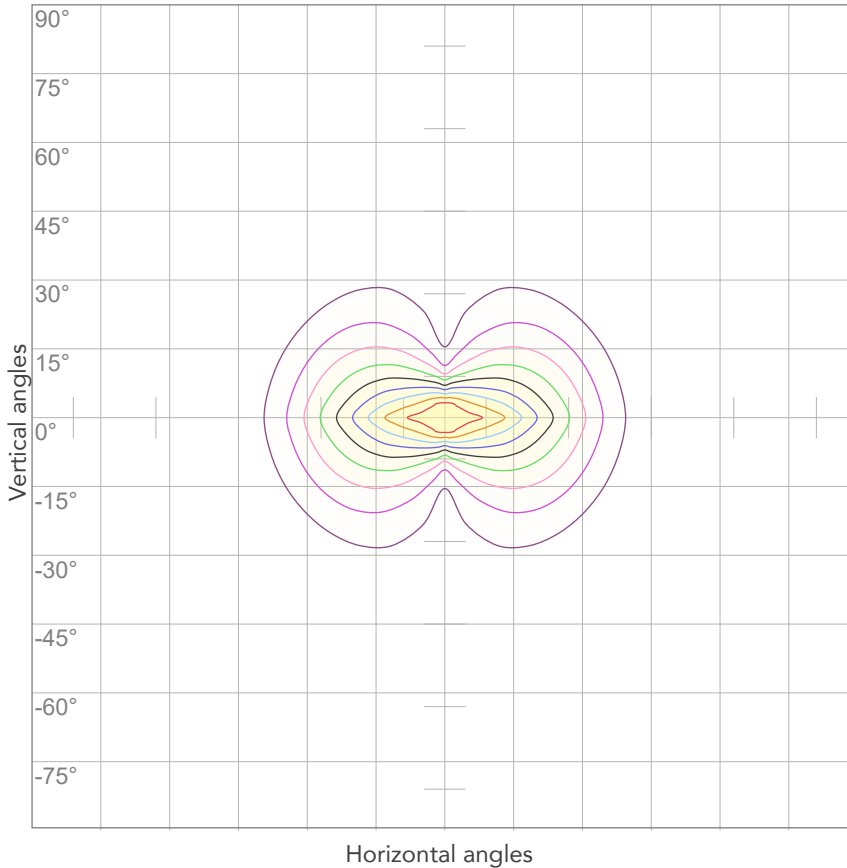


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,562A	104,6W	0,82	19lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



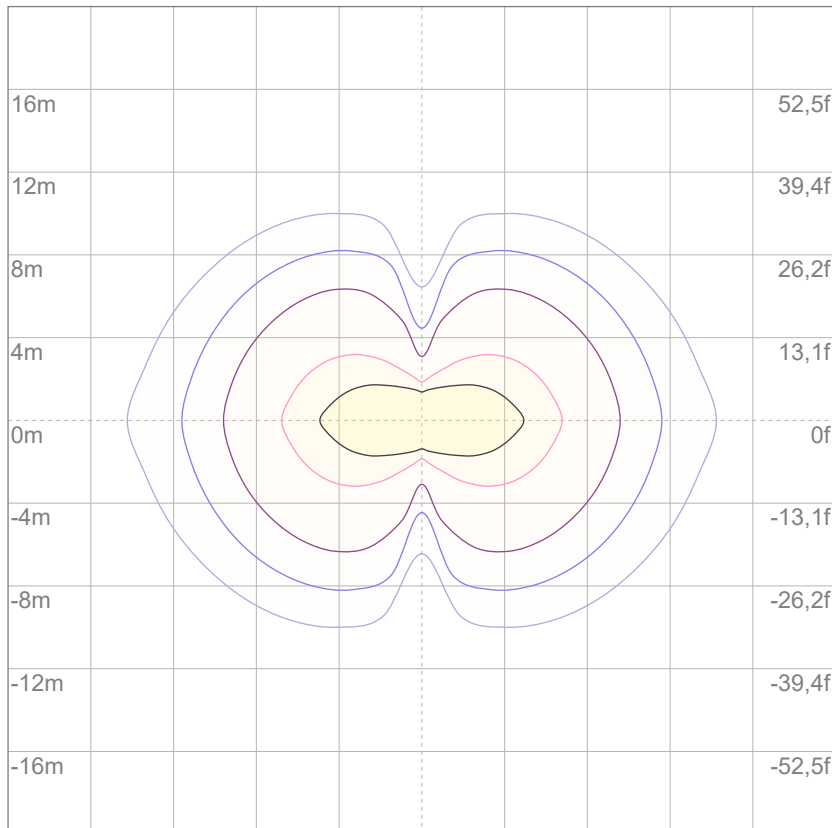
10%	368 cd
20%	736 cd
30%	1104 cd
40%	1472 cd
50%	1841 cd
60%	2209 cd
70%	2577 cd
80%	2945 cd

Conditions:

Number of c-planes: 4

Candela at center: 3681 cd

## ISO LUX DIAGRAM



3%	1,10 lx
5%	1,84 lx
10%	3,68 lx
30%	11,0 lx
50%	18,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 36,8 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

1322 lm

Peak candela output:

1970 cd

PRODUCT NAME:

ARCSPOTXLFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60°Filter

Target:

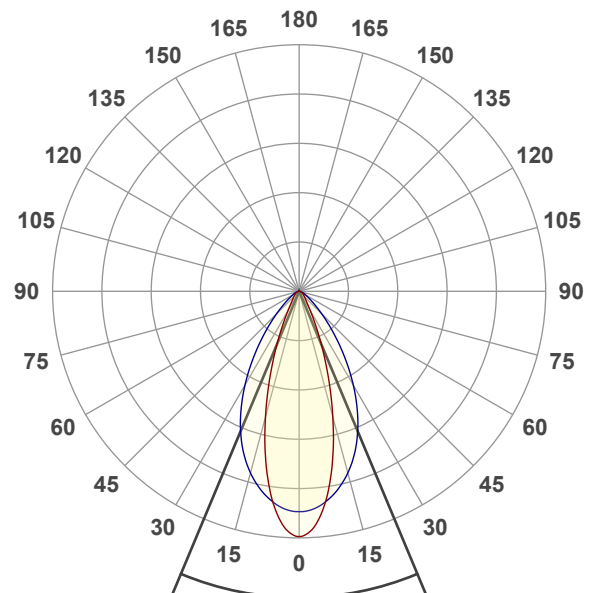
Blue

Operator:

Salvatore Giglio

Date and time:

28/10/2024 14:13:14

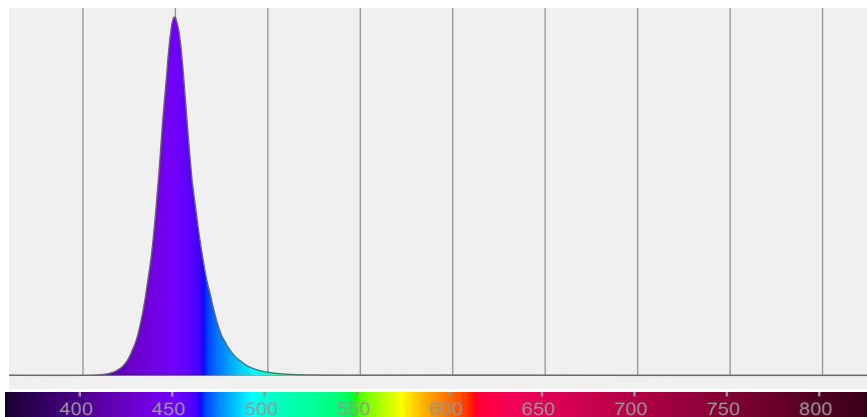


Beam angle 50%: 45,4°

Field angle 10%: 77,9°

Cut off angle 2.5%: 113,3°

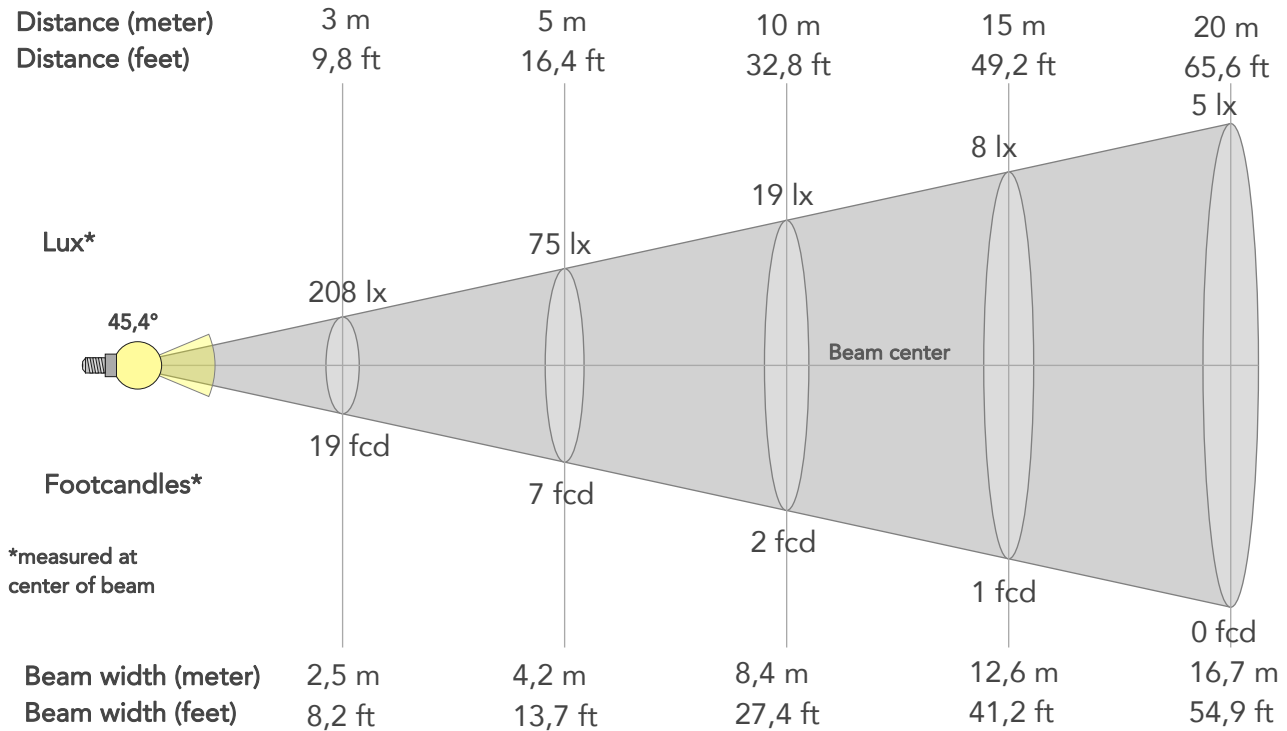
Spectra



# BEAM DETAILS



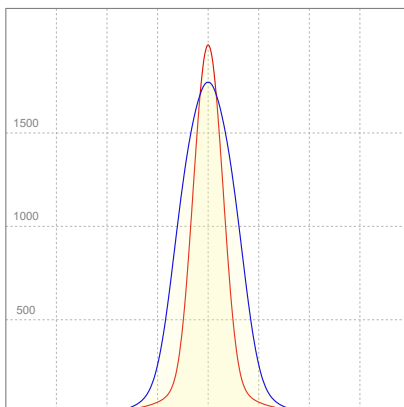
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,4°	77,9°	113,3°	95,9%	87,4%



## 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	1870lx	468lx	208lx	117lx	75lx	33lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	174fcd	43fcd	19fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,6m	16,7m	20,9m	25,1m	33,5m	41,8m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,7ft	20,6ft	27,4ft	41,2ft	54,9ft	68,6ft	82,3ft	109,8ft	137,2ft

## LINEAR DISTRIBUTION DIAGRAM

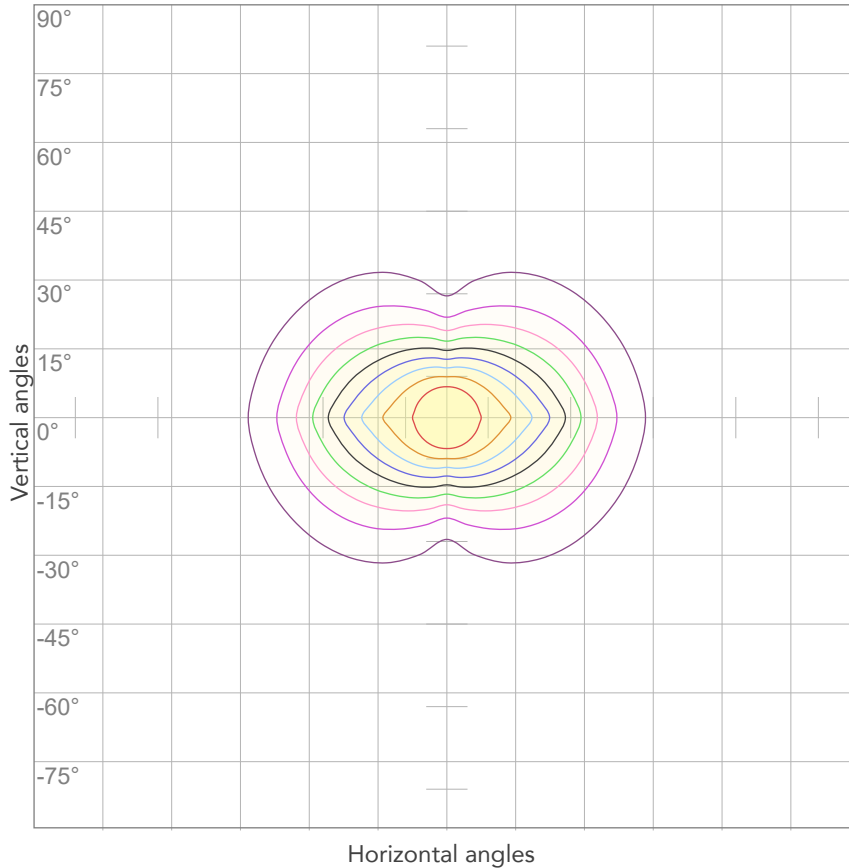


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,556A	103,8W	0,82	13lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



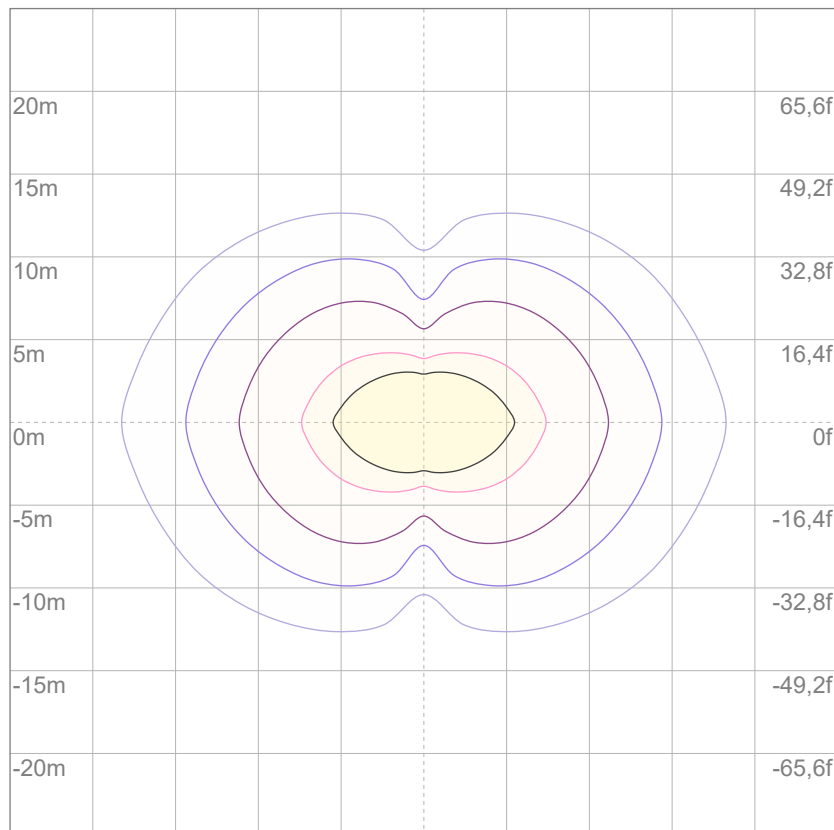
10%	187 cd
20%	374 cd
30%	561 cd
40%	748 cd
50%	935 cd
60%	1122 cd
70%	1309 cd
80%	1496 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 1870 cd

## ISO LUX DIAGRAM



3%	0,561 lx
5%	0,935 lx
10%	1,87 lx
30%	5,61 lx
50%	9,35 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 18,7 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

9630 lm

Peak candela output:

187609 cd

Light quality:

CRI: 83,8

Color temperature:

2947 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native Optic - 10°

Target:

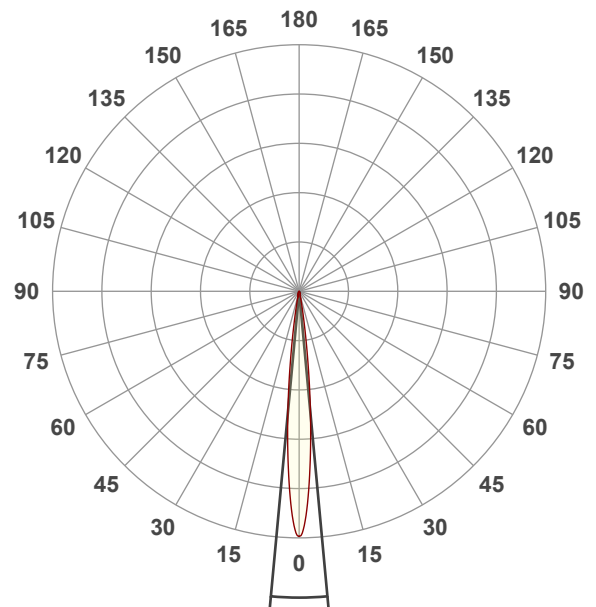
White

Operator:

Salvatore Giglio

Date and time:

24/04/2024 09:48:49

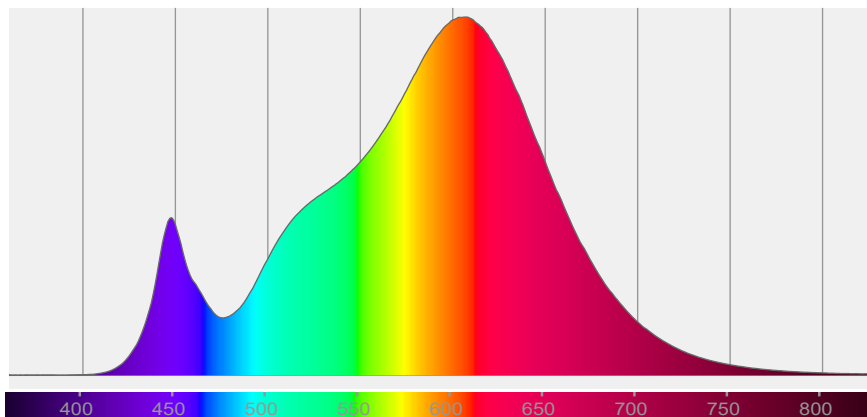


Beam angle 50%: 10,6°

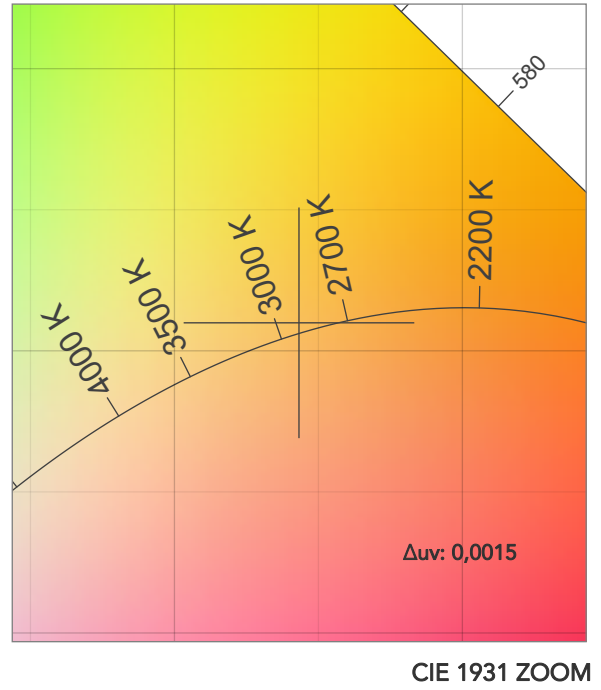
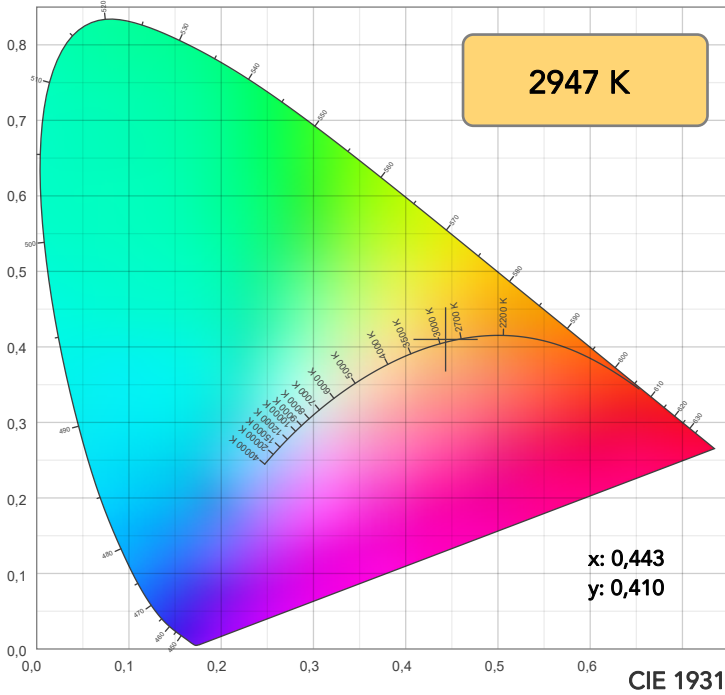
Field angle 10%: 19,2°

Cut off angle 2.5%: 26,7°

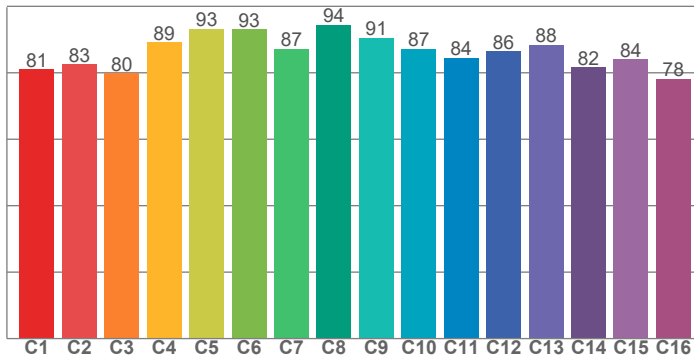
Spectra



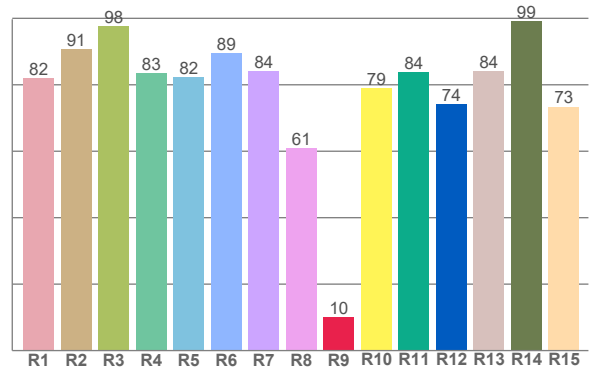
# COLOR DETAILS



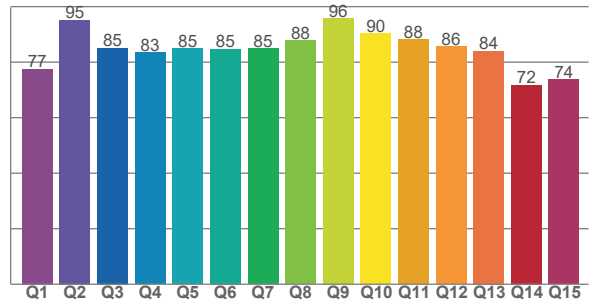
**TM30: 86,2**



**CRI: 83,8 (R1-R8)**



**CQS: 83,4**



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
82,1	90,6	97,6	83,4	82,3	89,5	84,2	60,8	10,1	79,1	83,8	74,2	84,0	99,1	73,4

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
81,1	82,5	79,8	89,2	93,3	93,0	87,2	94,4	90,5	87,2	84,5	86,5	88,4	81,6	84,1	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,5	95,1	85,2	83,4	85,0	84,7	85,0	87,8	95,7	90,4	88,2	85,7	84,1	71,7	73,7

## COLOR PARAMETERS

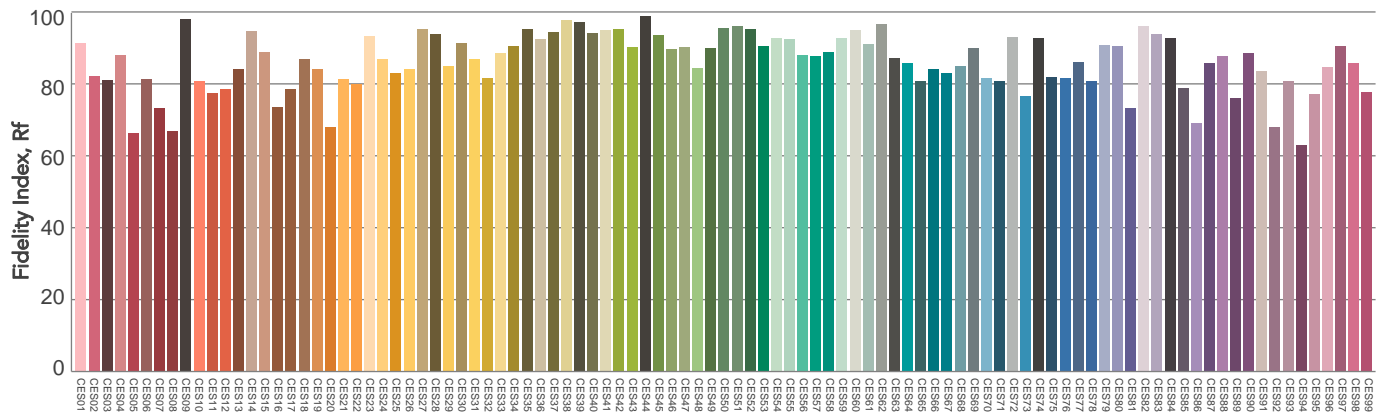
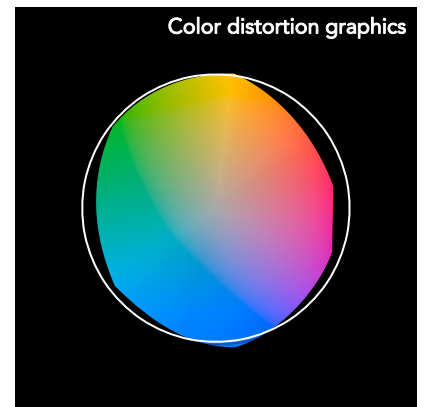
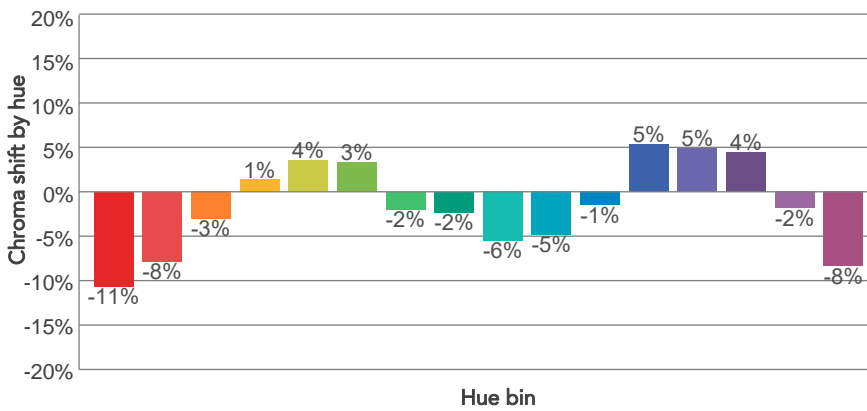
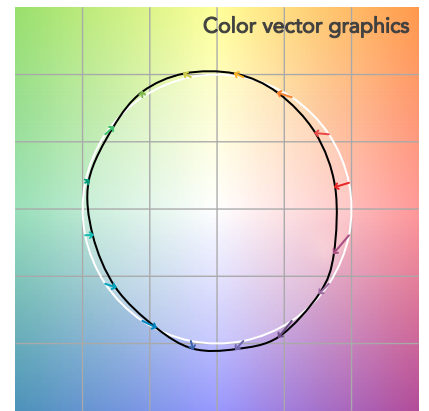
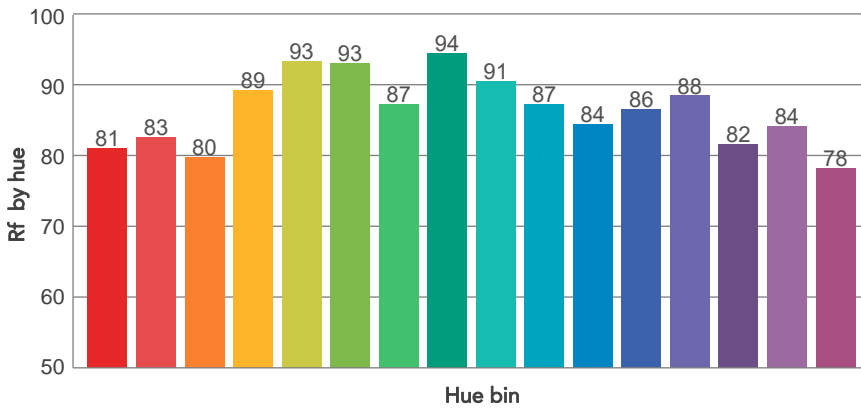
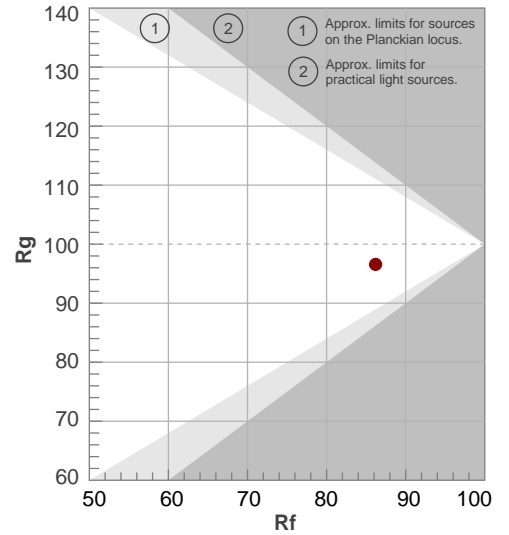
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2947 K	83,8	10,1	86,2	96,6	83,4	70	0,443	0,410	0,0015

# TM30 DETAILS

**Rf 86,2**  
Fidelity index Rf

**Rg 96,6**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	83	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	91	-6%	1%
10	87	-5%	6%
11	84	-1%	11%
12	86	5%	3%
13	88	5%	-7%
14	82	4%	-14%
15	84	-2%	-10%
16	78	-8%	-15%



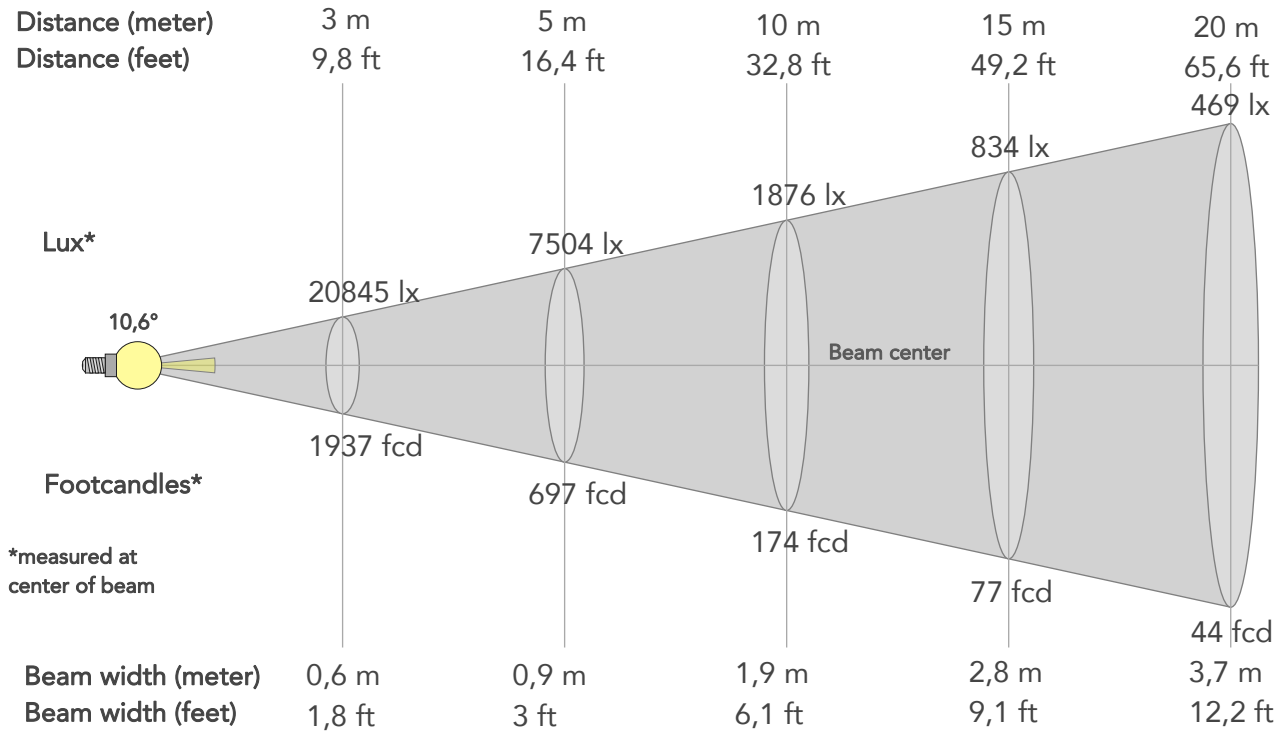
Color Evaluation Sample



# BEAM DETAILS



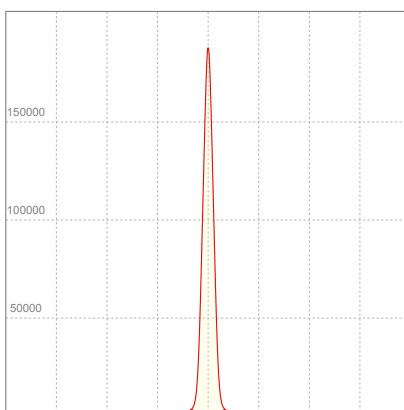
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,6°	19,2°	26,7°	96,8%	93,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	187609lx	46902lx	20845lx	11726lx	7504lx	3335lx	1876lx	834lx	469lx	300lx	208lx	117lx	75lx
Footcand.	17429fcd	4357fcd	1937fcd	1089fcd	697fcd	310fcd	174fcd	77fcd	44fcd	28fcd	19fcd	11fcd	7fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,6m	5,6m	7,4m	9,3m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,6ft	6,1ft	9,1ft	12,2ft	15,2ft	18,2ft	24,3ft	30,4ft

## LINEAR DISTRIBUTION DIAGRAM

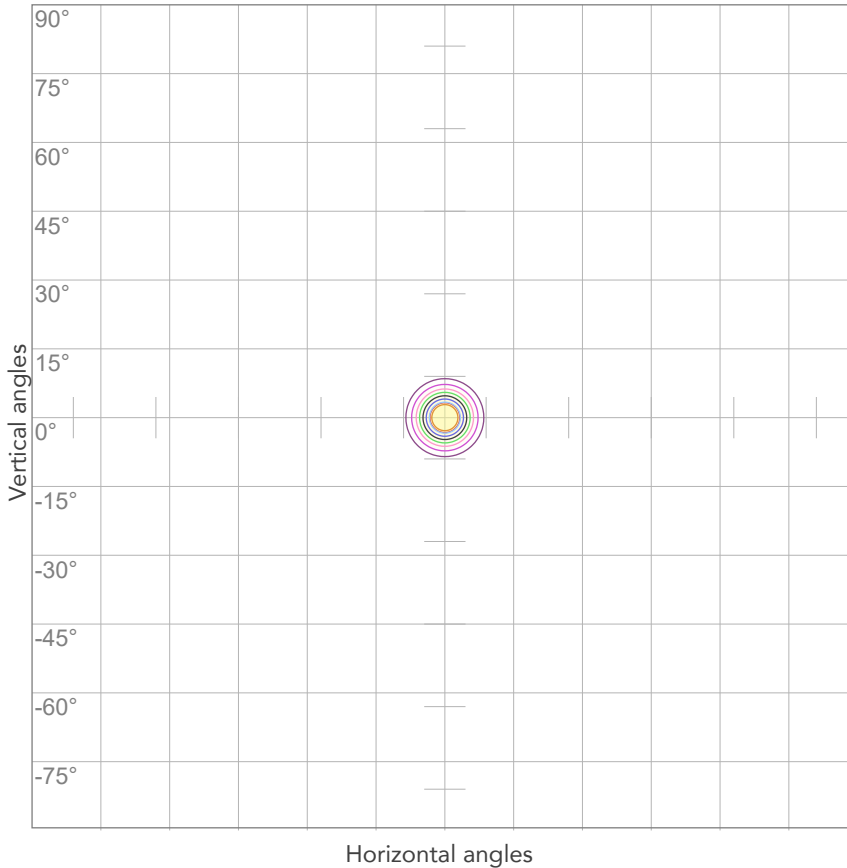


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,677A	135,2W	0,88	71lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



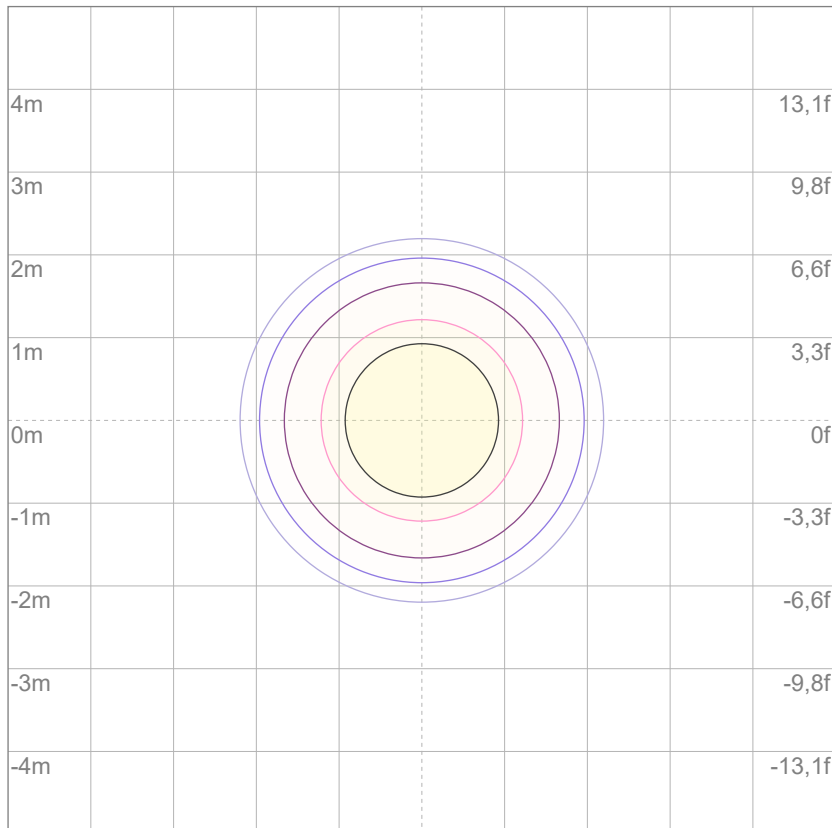
10%	18761 cd
20%	37522 cd
30%	56283 cd
40%	75044 cd
50%	93805 cd
60%	112565 cd
70%	131326 cd
80%	150087 cd

Conditions:

Number of c-planes: 2

Candela at center: 187609 cd

## ISO LUX DIAGRAM



3%	56,3 lx
5%	93,8 lx
10%	188 lx
30%	563 lx
50%	938 lx

Conditions:

Number of c-planes: 2

Lux at center: 1876 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

9391 lm

Peak candela output:

37961 cd

Light quality:

CRI: 83,8

Color temperature:

2953 K

**PRODUCT NAME:**

**ARCSPOTXLFC**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 20°Filter

**Target:**

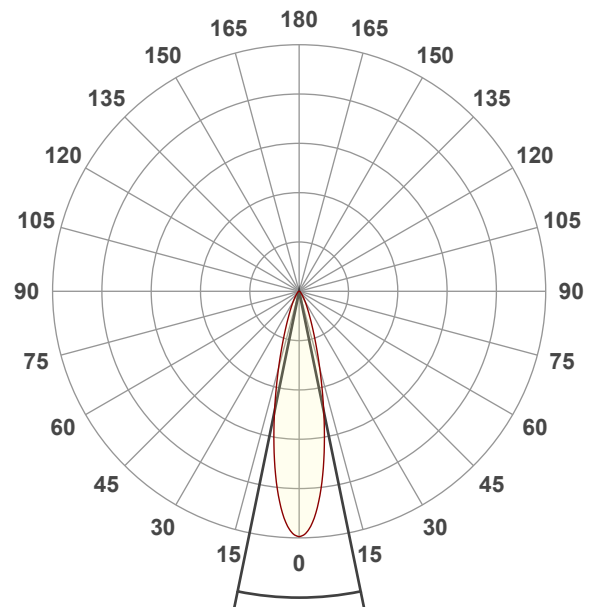
White

**Operator:**

Salvatore Giglio

**Date and time:**

25/10/2024 15:07:10

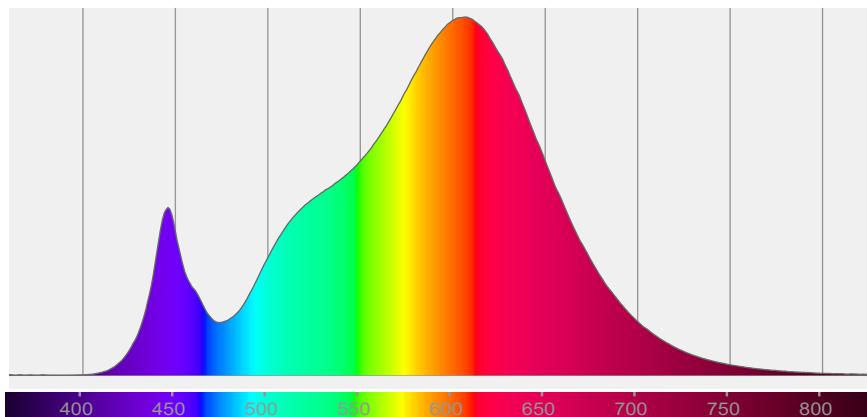


Beam angle 50%: 23,2°

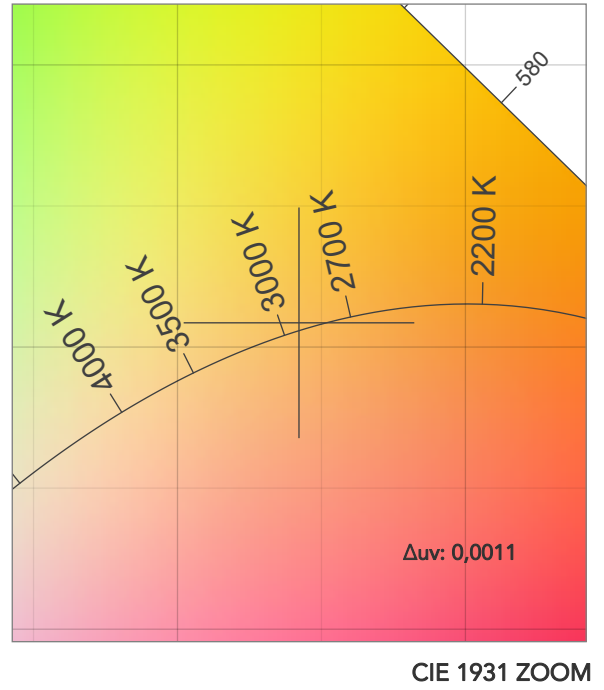
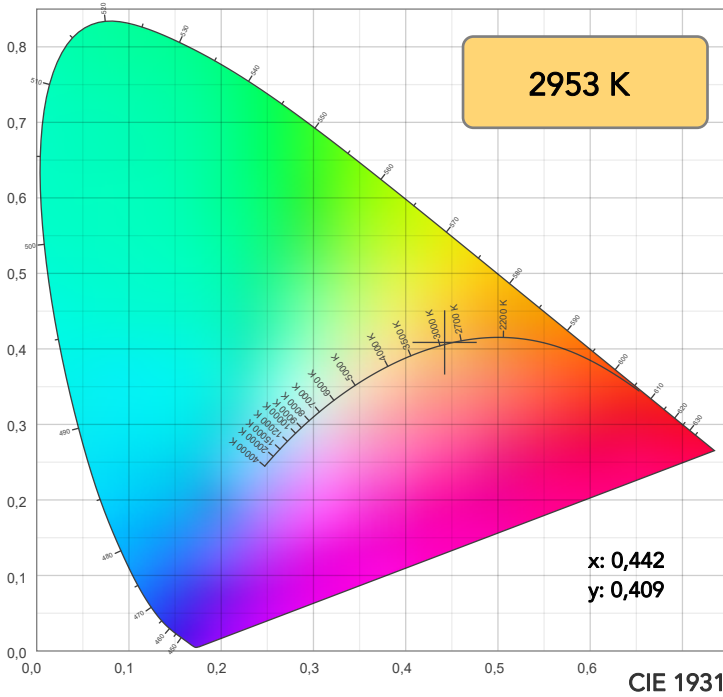
Field angle 10%: 47,3°

Cut off angle 2.5%: 73°

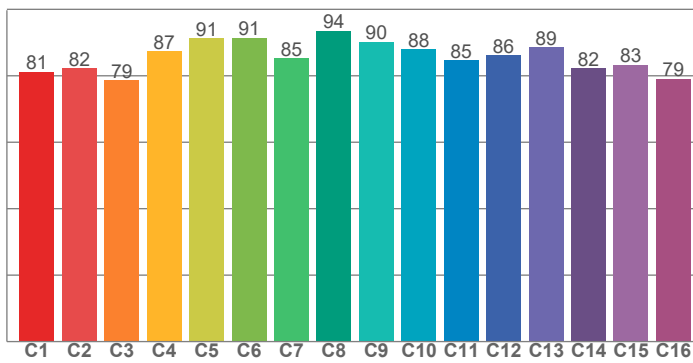
**Spectra**



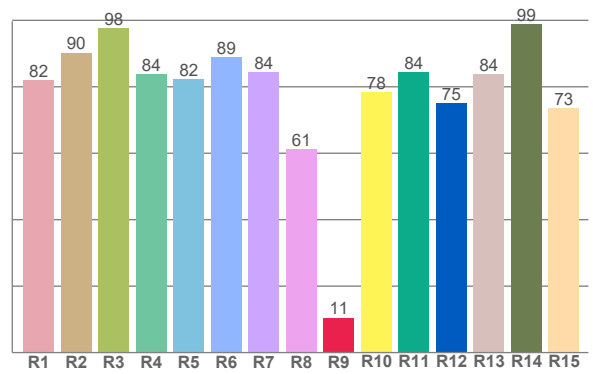
# COLOR DETAILS



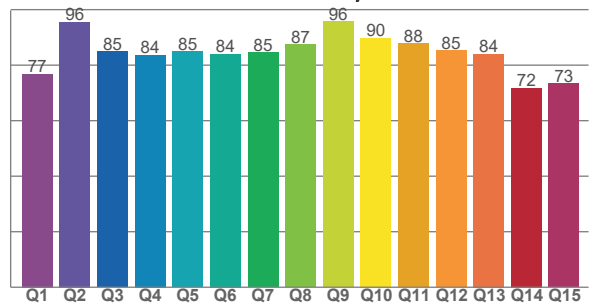
TM30: 85,7



CRI: 83,8 (R1-R8)



CQS: 83,1



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
82,1	90,3	97,5	83,7	82,3	89,0	84,3	61,2	10,5	78,4	84,4	75,0	83,9	98,8	73,5

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
81,2	82,3	78,7	87,4	91,3	91,4	85,3	93,6	90,3	88,0	84,6	86,2	88,5	82,2	83,3	79,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76,9	95,6	84,9	83,6	84,9	84,0	84,6	87,5	95,8	89,7	87,7	85,3	83,9	71,7	73,4

## COLOR PARAMETERS

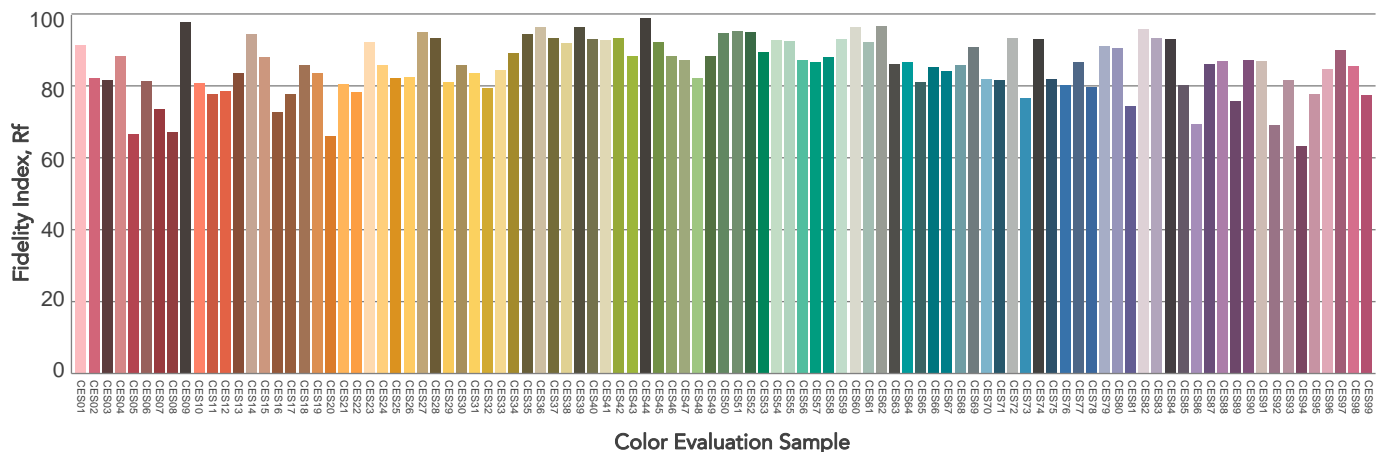
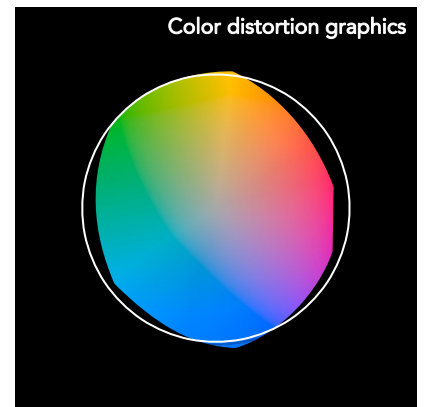
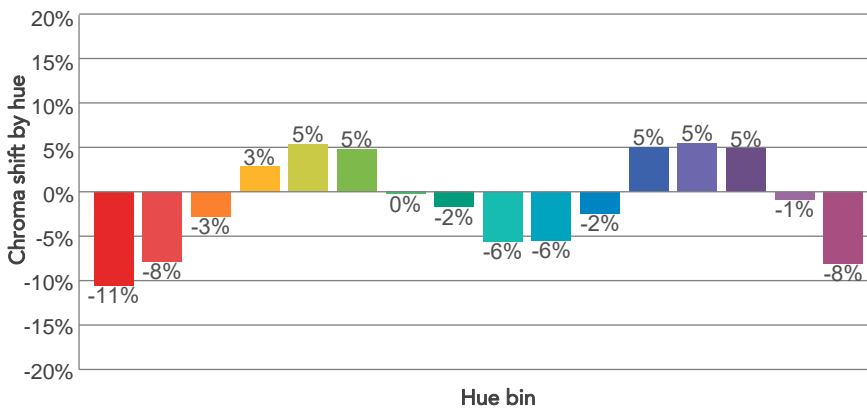
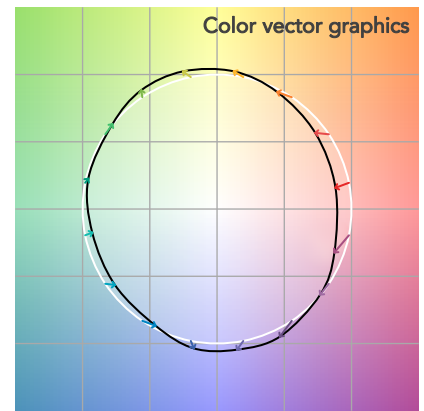
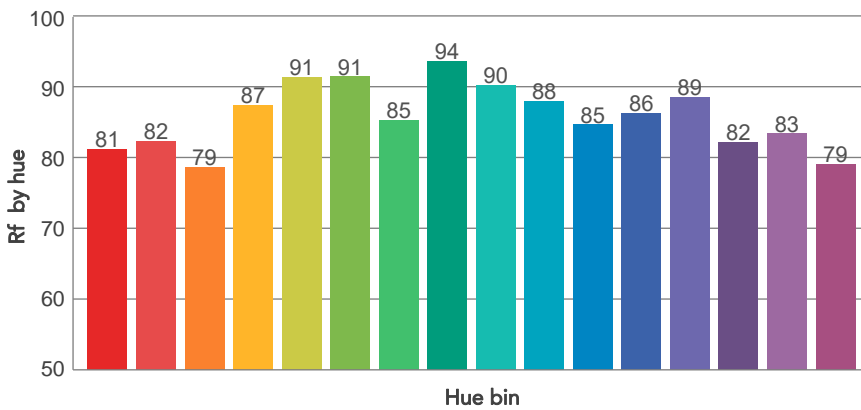
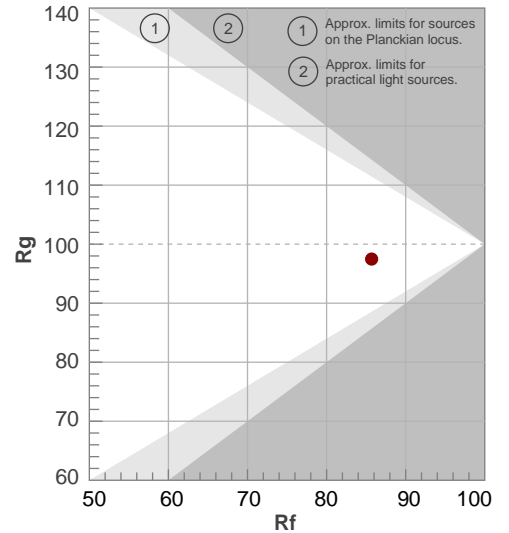
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2953 K	83,8	10,5	85,7	97,5	83,1	68	0,442	0,409	0,0011

# TM30 DETAILS

**Rf 85,7**  
Fidelity index Rf

**Rg 97,5**  
Gammut index

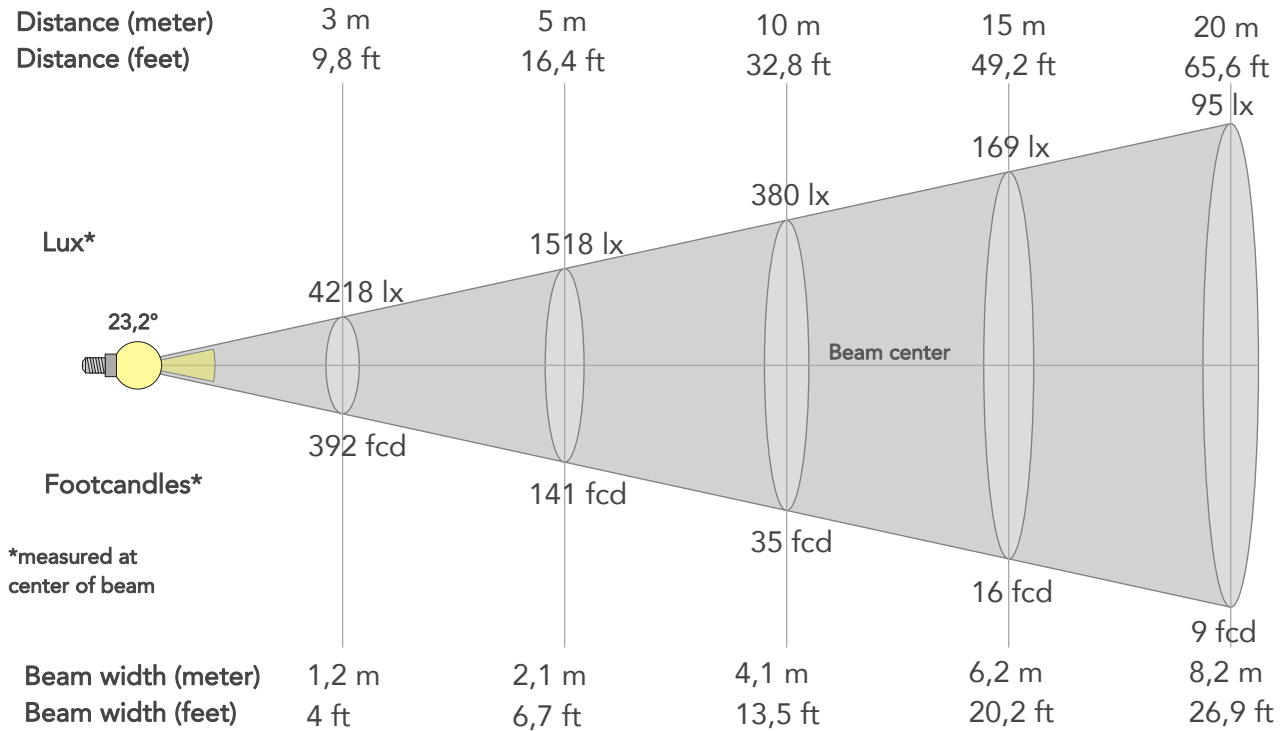
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-2%
2	82	-8%	7%
3	79	-3%	11%
4	87	3%	8%
5	91	5%	5%
6	91	5%	-2%
7	85	0%	-9%
8	94	-2%	-3%
9	90	-6%	-1%
10	88	-6%	5%
11	85	-2%	10%
12	86	5%	3%
13	89	5%	-6%
14	82	5%	-14%
15	83	-1%	-10%
16	79	-8%	-15%



# BEAM DETAILS



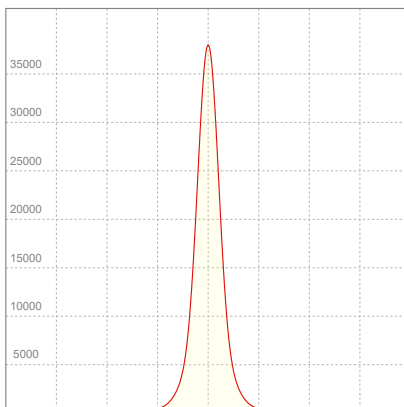
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	47,3°	73°	97,3%	93,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	37961lx	9490lx	4218lx	2373lx	1518lx	675lx	380lx	169lx	95lx	61lx	42lx	24lx	15lx
Footcand.	3527fcd	882fcd	392fcd	220fcd	141fcd	63fcd	35fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,5ft	20,2ft	26,9ft	33,6ft	40,4ft	53,8ft	67,3ft

## LINEAR DISTRIBUTION DIAGRAM

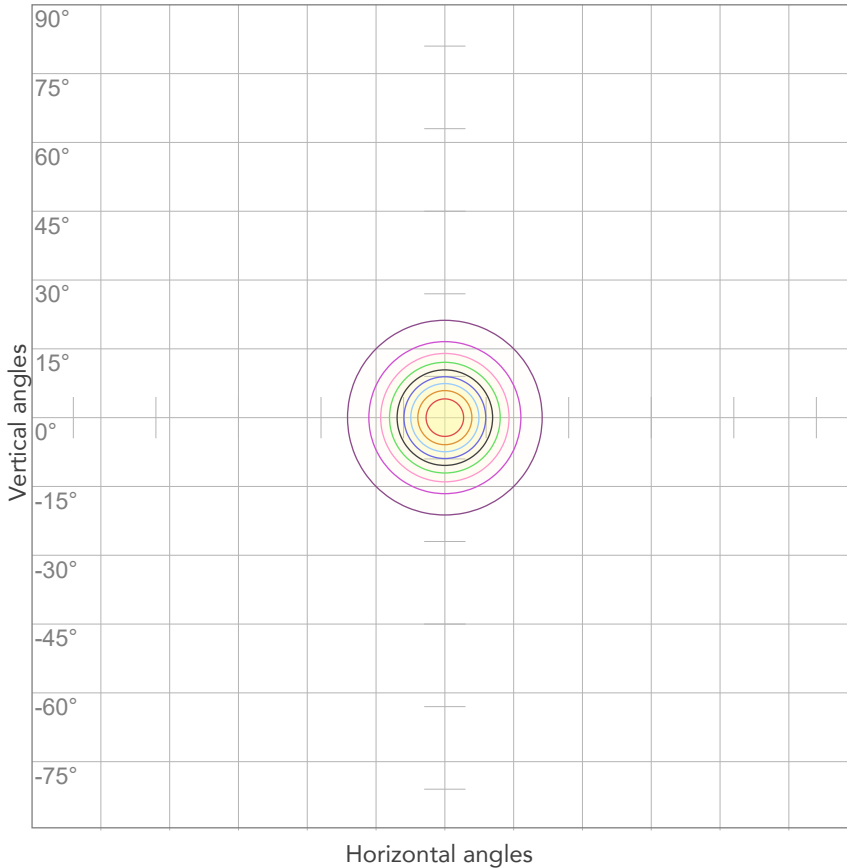


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,680A	136,2W	0,88	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



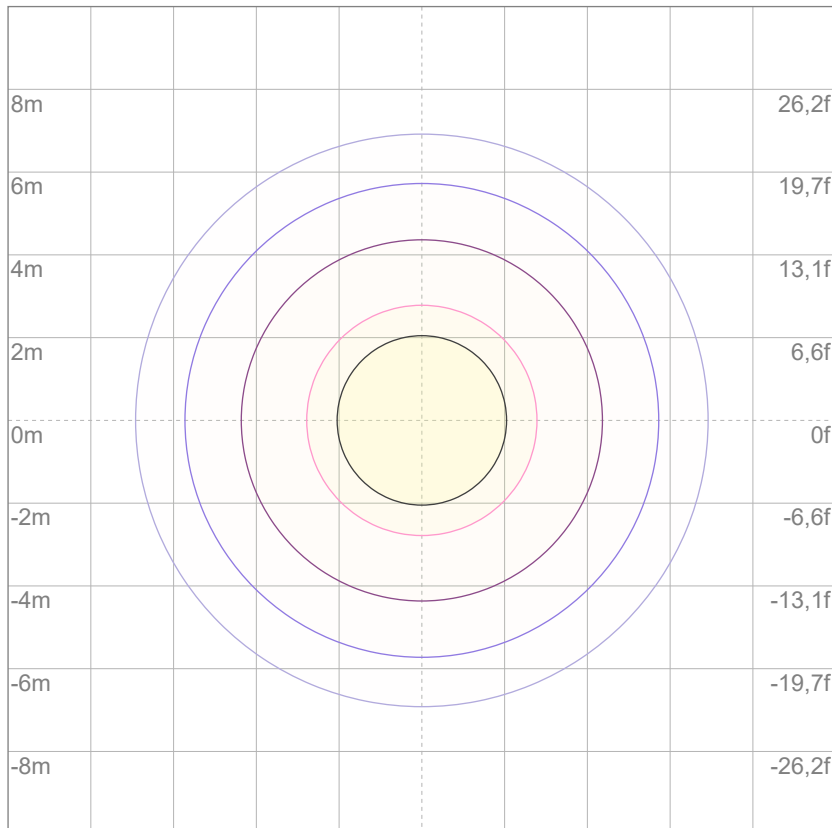
10%	3796 cd
20%	7592 cd
30%	11388 cd
40%	15185 cd
50%	18981 cd
60%	22777 cd
70%	26573 cd
80%	30369 cd

Conditions:

Number of c-planes: 2

Candela at center: 37961 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	11,4 lx
5%	19,0 lx
10%	38,0 lx
30%	114 lx
50%	190 lx

Conditions:

Number of c-planes: 2

Lux at center: 380 lx

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



Total lumen output:

8704 lm

Peak candela output:

11359 cd

Light quality:

CRI: 83,7

Color temperature:

2963 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10°+ 40° Filter

Target:

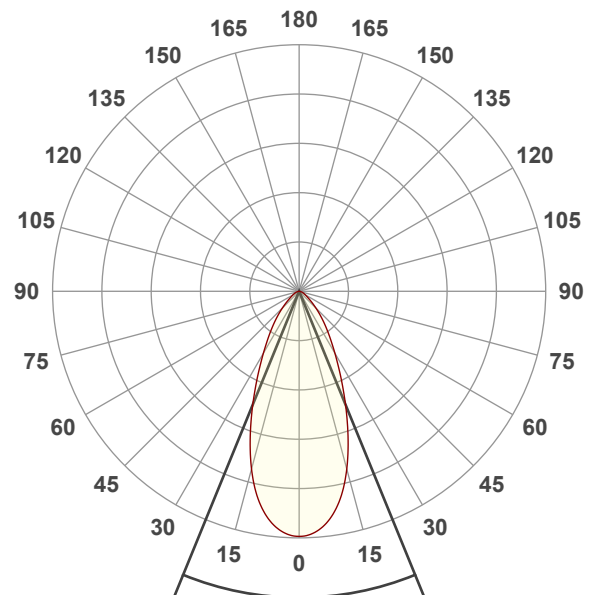
White

Operator:

Salvatore Giglio

Date and time:

25/10/2024 17:08:23

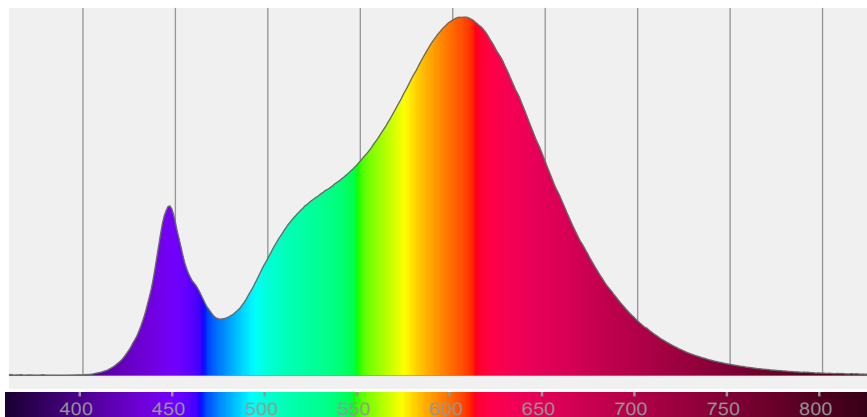


Beam angle 50%: 44,5°

Field angle 10%: 89,3°

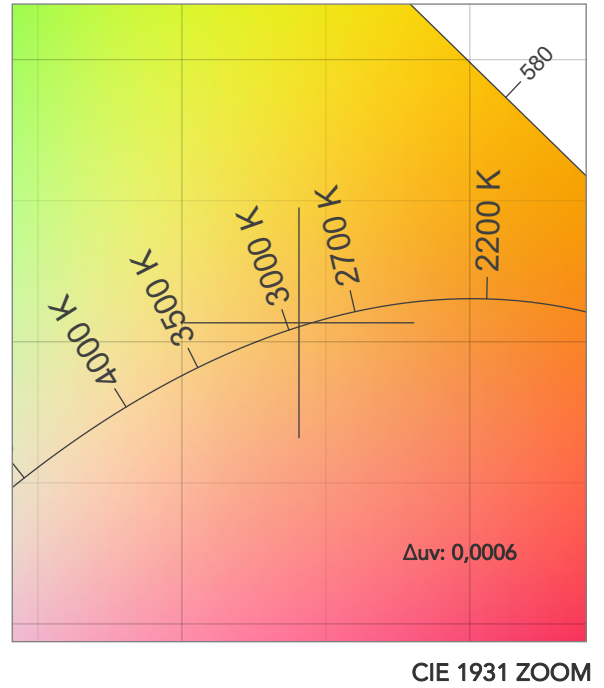
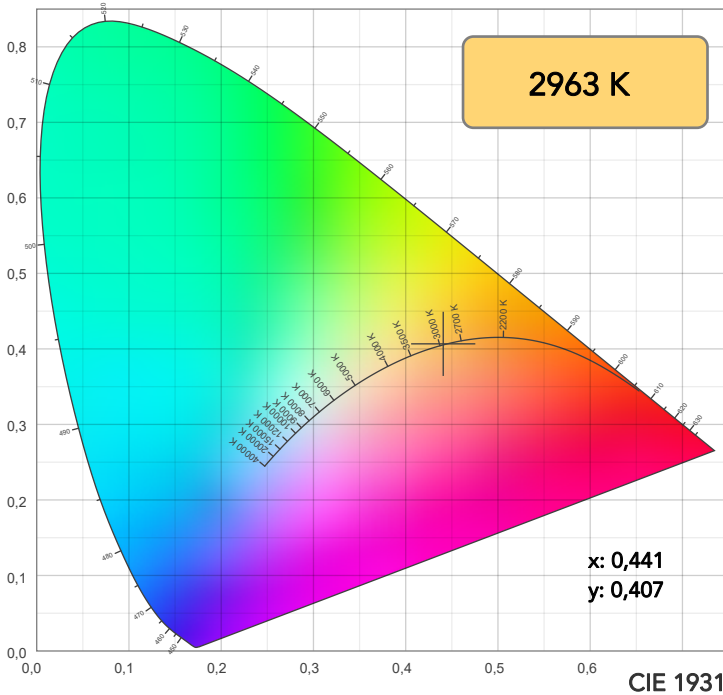
Cut off angle 2.5%: 124,9°

Spectra

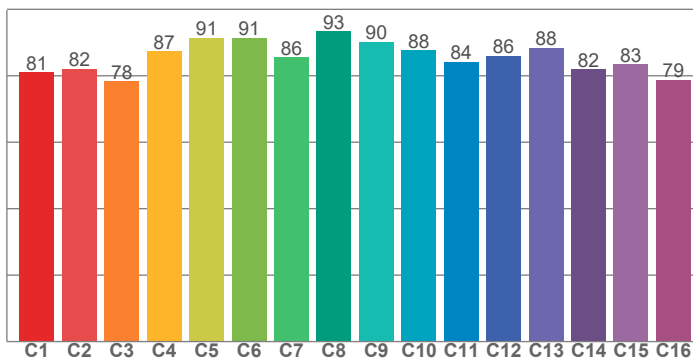




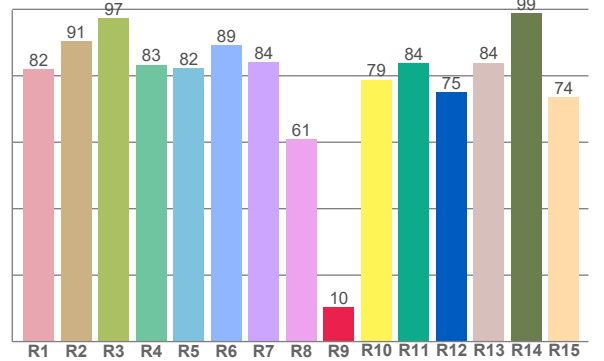
# COLOR DETAILS



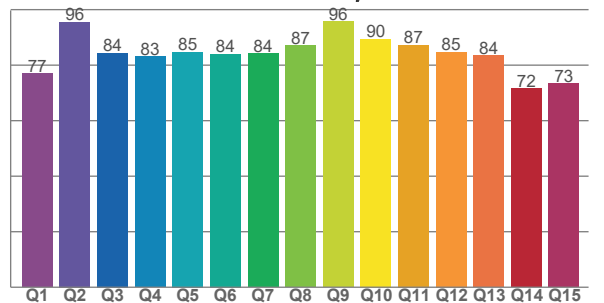
TM30: 85,6



CRI: 83,7 (R1-R8)



CQS: 82,9



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
82,0	90,5	97,4	83,3	82,3	89,2	84,0	60,9	10,3	78,8	83,8	75,1	84,0	98,9	73,6

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
81,1	82,1	78,3	87,5	91,5	91,4	85,5	93,5	90,3	87,7	84,3	86,1	88,4	82,0	83,4	78,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,0	95,6	84,4	83,0	84,7	84,0	84,3	87,0	95,7	89,5	87,2	84,8	83,5	71,7	73,4

## COLOR PARAMETERS

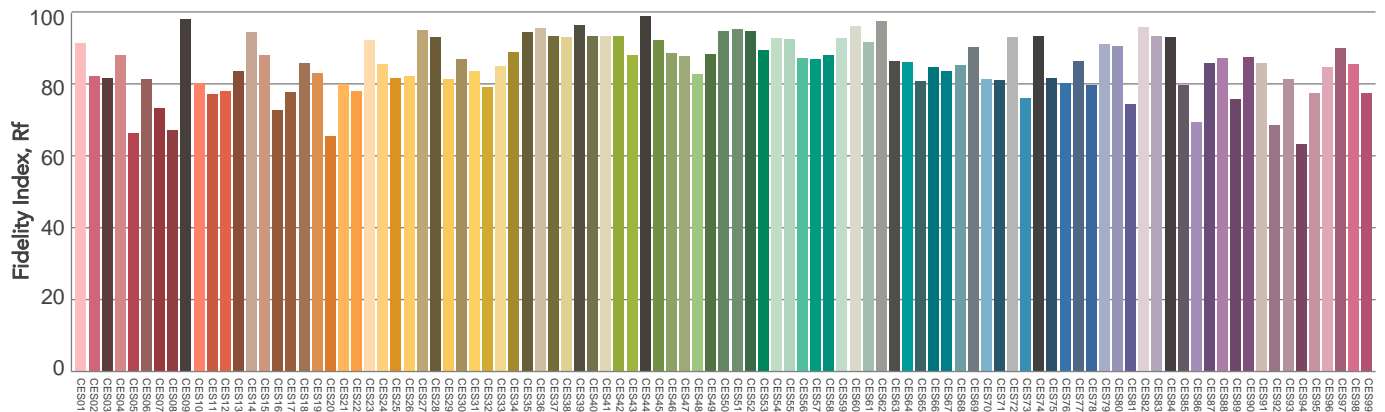
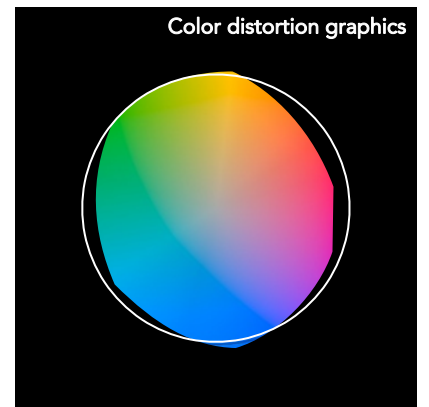
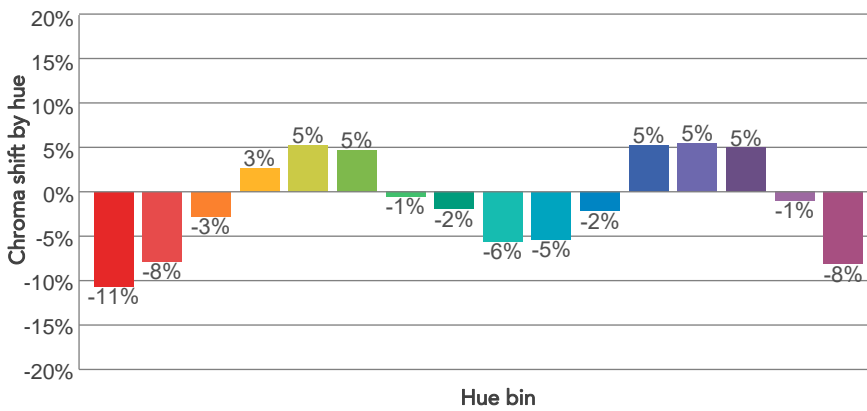
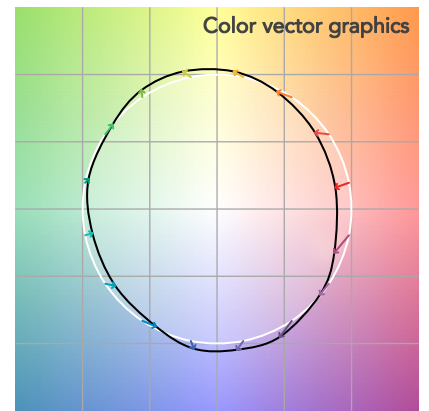
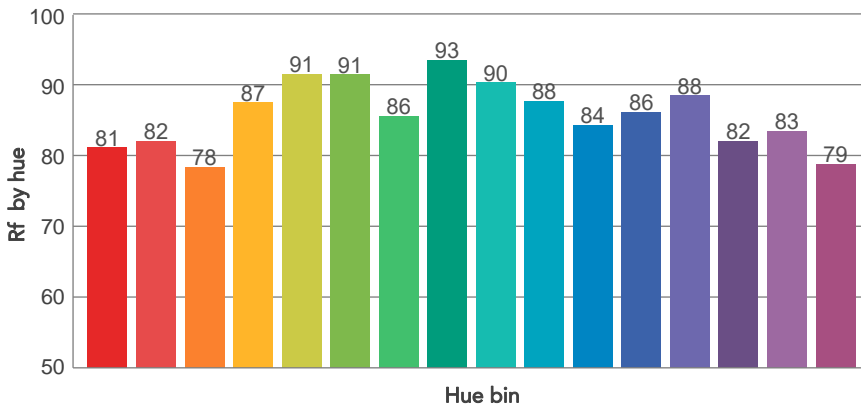
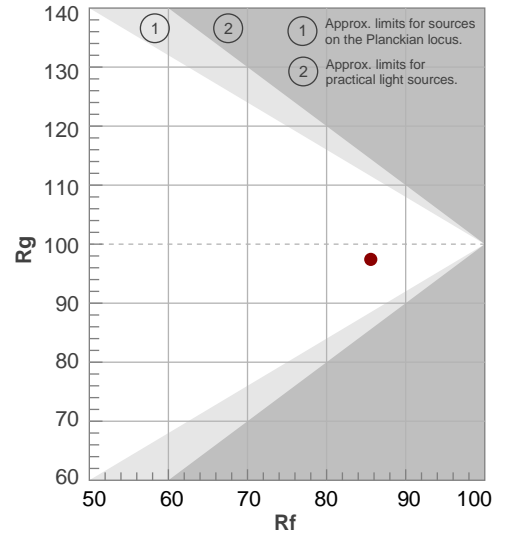
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2963 K	83,7	10,3	85,6	97,4	82,9	68	0,441	0,407	0,0006

# TM30 DETAILS

**Rf 85,6**  
Fidelity index Rf

**Rg 97,4**  
Gammut index

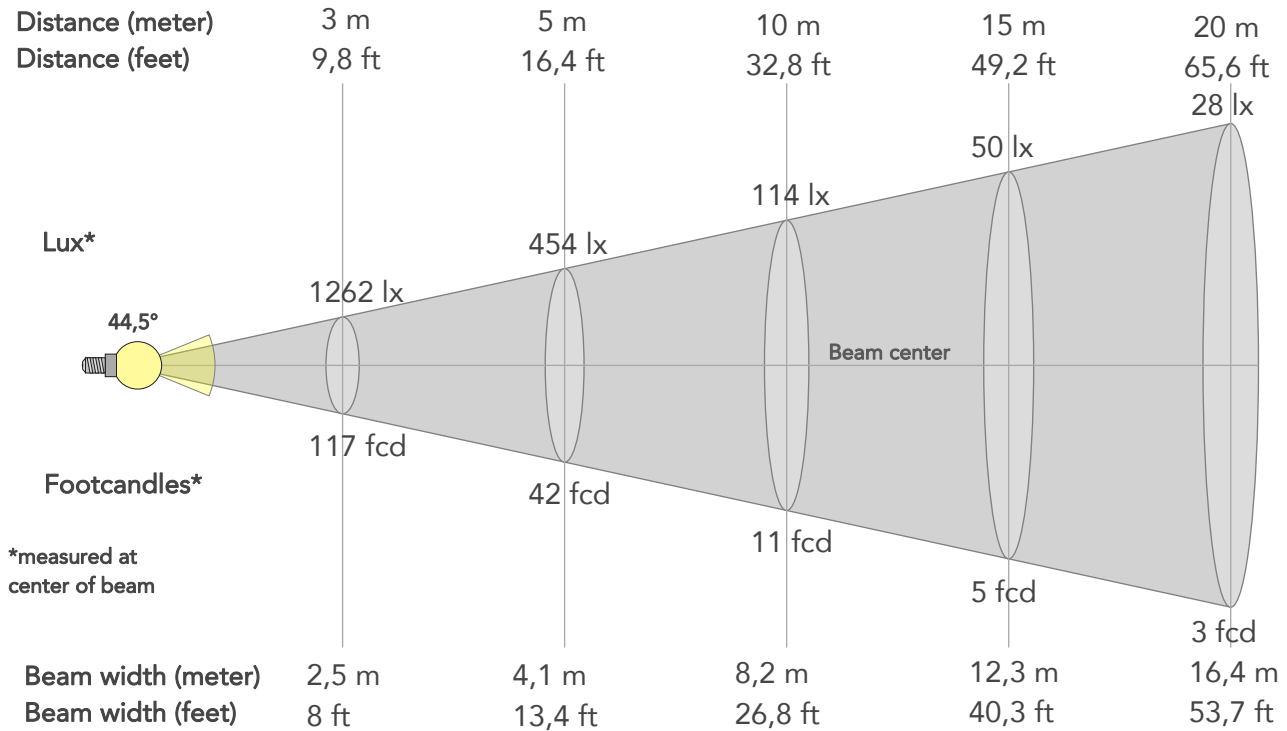
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	7%
3	78	-3%	11%
4	87	3%	8%
5	91	5%	5%
6	91	5%	-2%
7	86	-1%	-9%
8	93	-2%	-3%
9	90	-6%	0%
10	88	-5%	5%
11	84	-2%	11%
12	86	5%	3%
13	88	5%	-6%
14	82	5%	-14%
15	83	-1%	-10%
16	79	-8%	-15%



# BEAM DETAILS



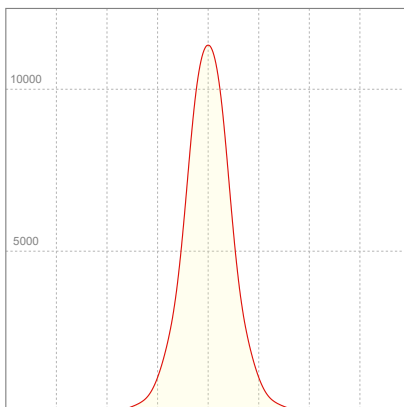
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,5°	89,3°	124,9°	95,5%	86,4%



## 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	11359lx	2840lx	1262lx	710lx	454lx	202lx	114lx	50lx	28lx	18lx	13lx	7lx	5lx
Footcand.	1055fcd	264fcd	117fcd	66fcd	42fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,1m	8,2m	12,3m	16,4m	20,5m	24,5m	32,7m	40,9m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,1ft	26,8ft	40,3ft	53,7ft	67,1ft	80,5ft	107,4ft	134,2ft

## LINEAR DISTRIBUTION DIAGRAM

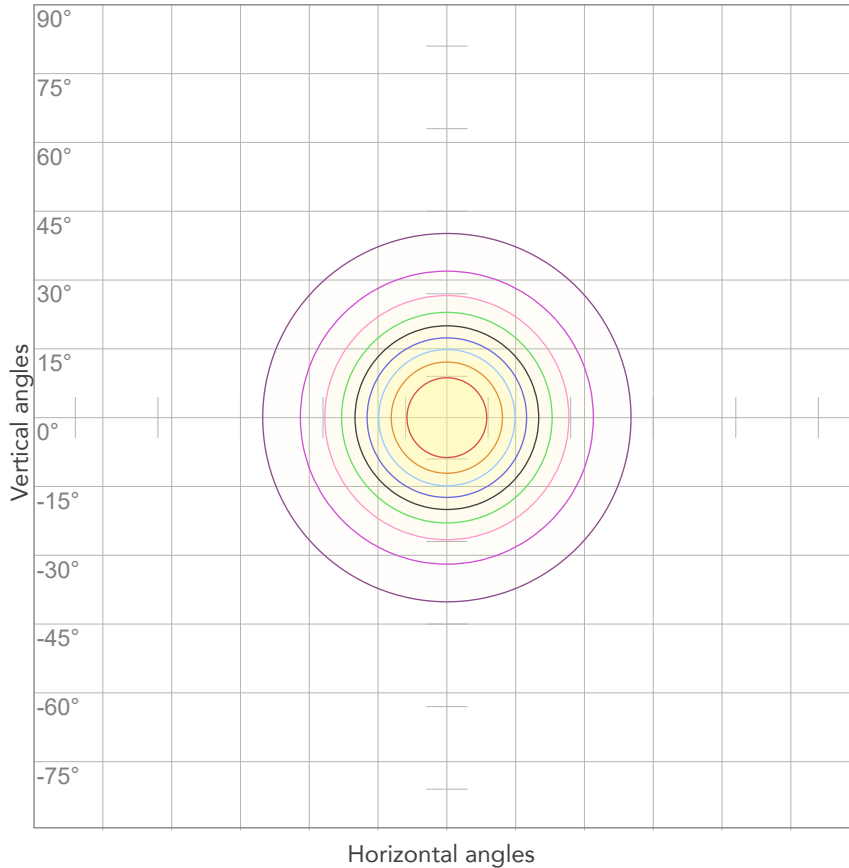


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,669A	133,3W	0,88	65lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



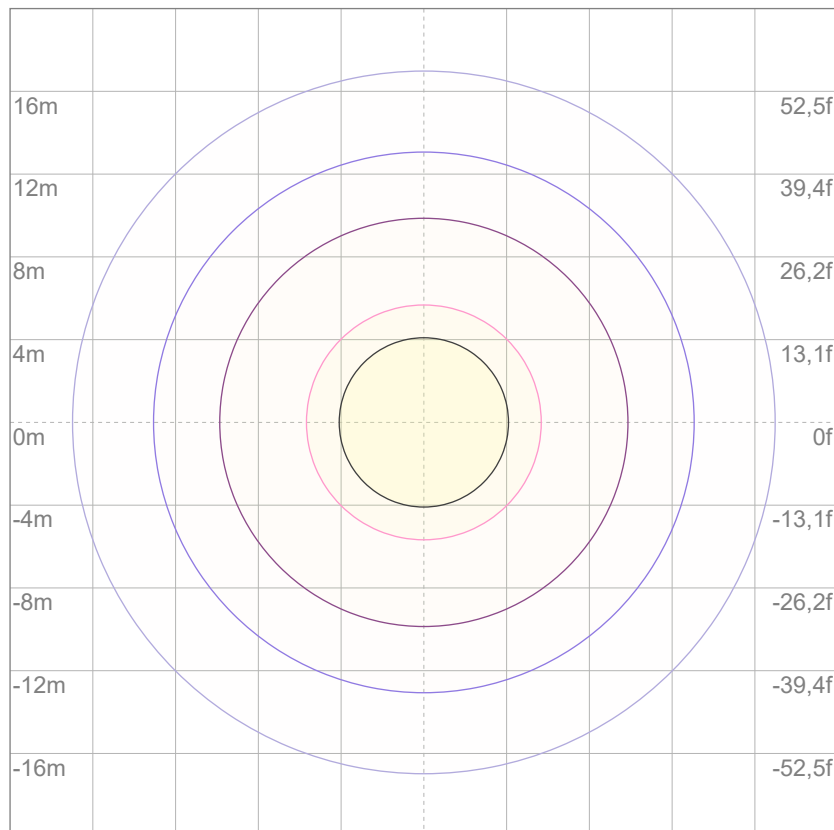
10%	1136 cd
20%	2272 cd
30%	3408 cd
40%	4544 cd
50%	5679 cd
60%	6815 cd
70%	7951 cd
80%	9087 cd

Conditions:

Number of c-planes: 2

Candela at center: 11359 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,41 lx
5%	5,68 lx
10%	11,4 lx
30%	34,1 lx
50%	56,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 114 lx

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



Total lumen output:

9256 lm

Peak candela output:

8409 cd

Light quality:

CRI: 83,8

Color temperature:

2961 K

**PRODUCT NAME:**

**ARCSPOTXLFC**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 60°Filter

**Target:**

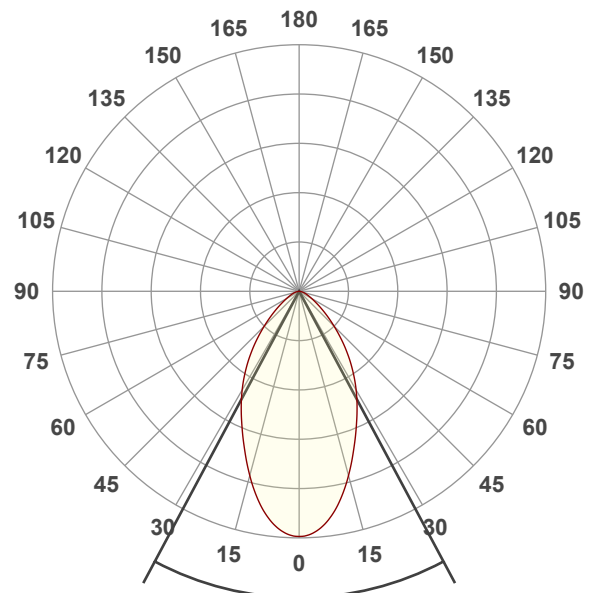
White

**Operator:**

Salvatore Giglio

**Date and time:**

25/10/2024 13:42:44

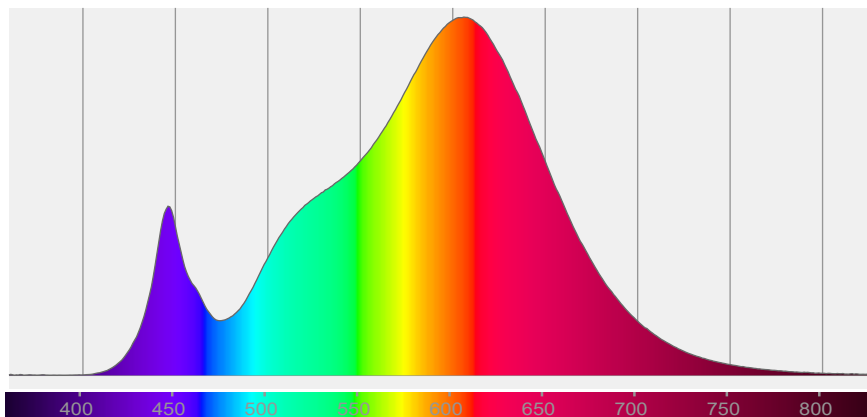


Beam angle 50%: 56,2°

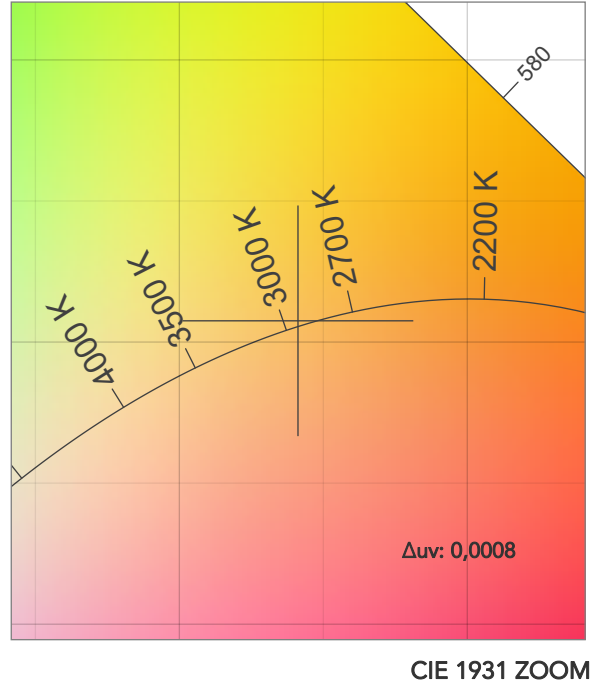
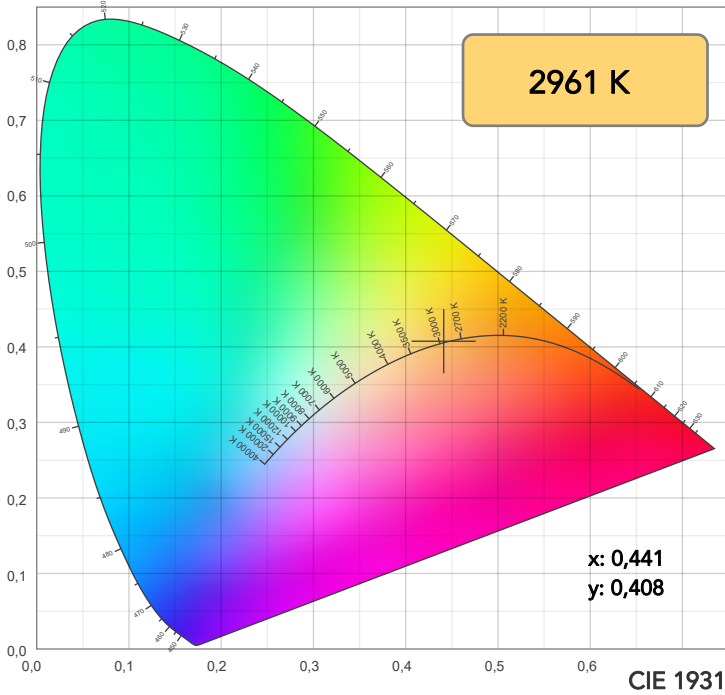
Field angle 10%: 107,6°

Cut off angle 2.5%: 142,5°

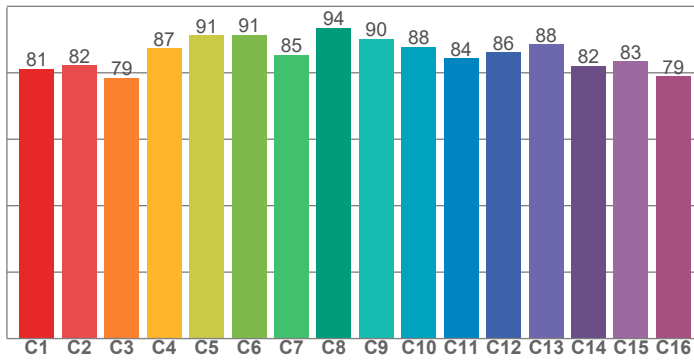
**Spectra**



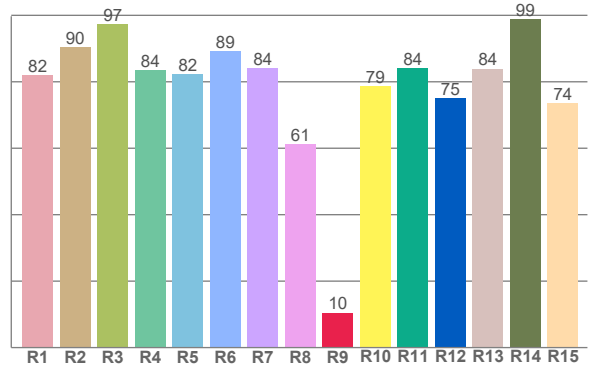
# COLOR DETAILS



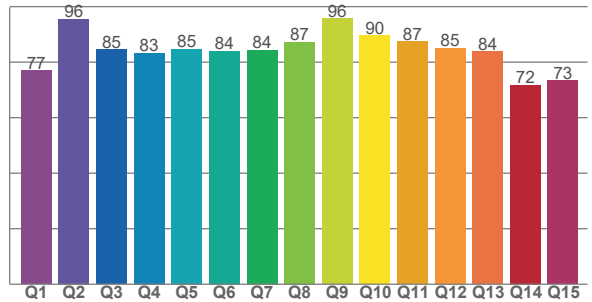
TM30: 85,6



CRI: 83,8 (R1-R8)



CQS: 83,1



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
82,1	90,4	97,4	83,6	82,4	89,1	84,2	61,1	10,5	78,6	84,1	75,1	83,9	98,8	73,6

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
81,2	82,2	78,5	87,4	91,4	91,4	85,4	93,5	90,3	87,8	84,4	86,1	88,5	82,1	83,4	78,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76,9	95,6	84,6	83,3	84,8	84,0	84,4	87,2	95,8	89,6	87,5	85,1	83,7	71,7	73,4

## COLOR PARAMETERS

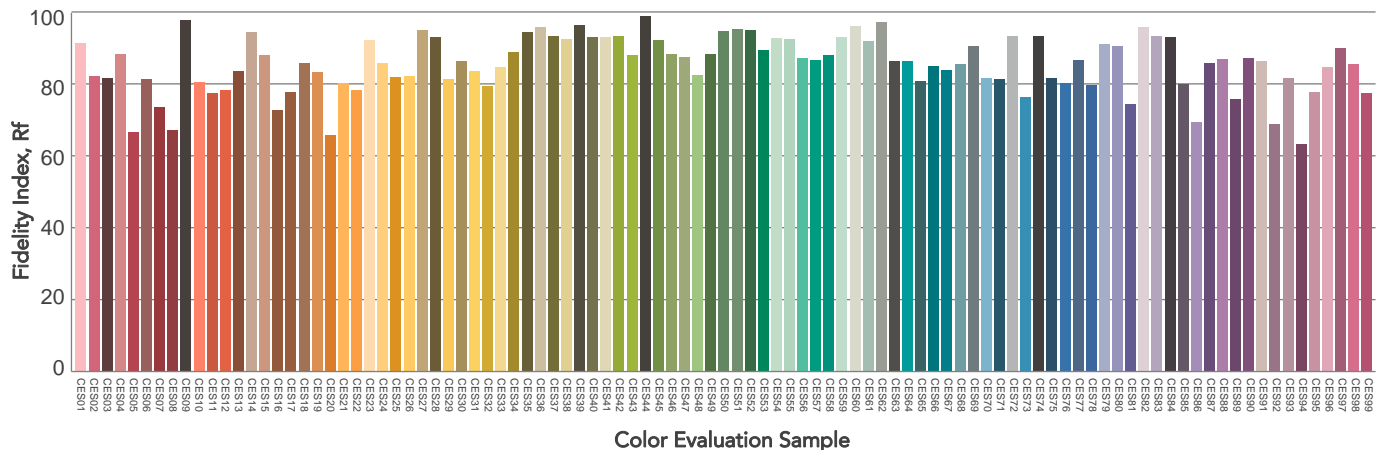
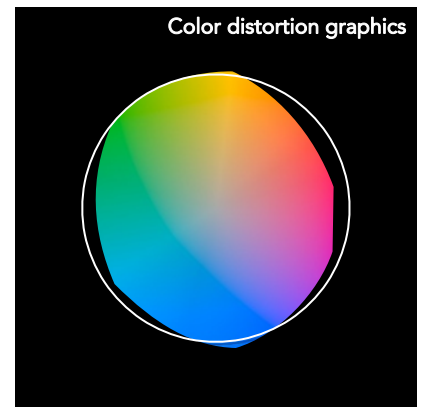
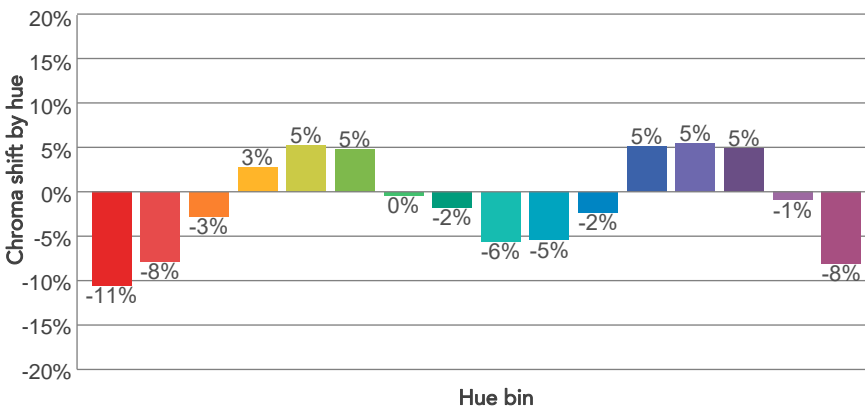
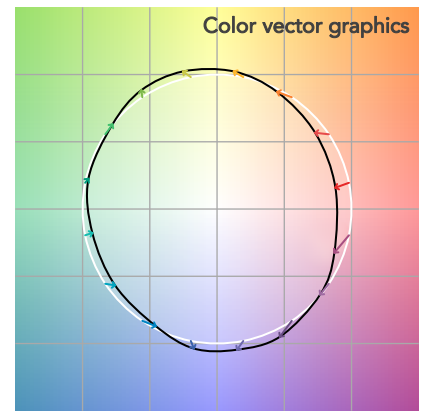
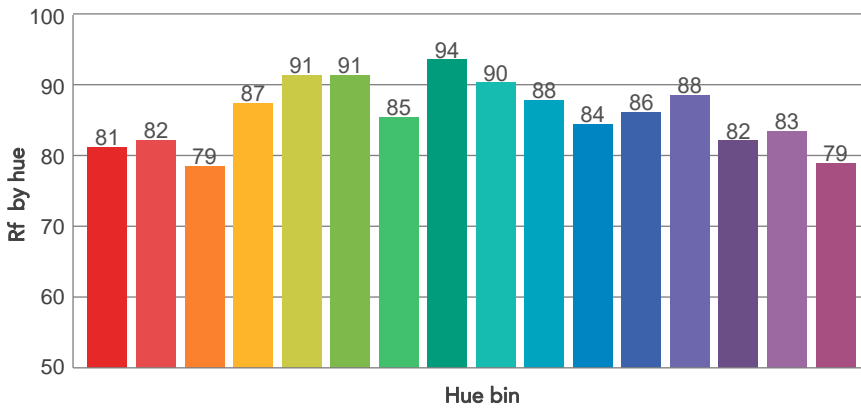
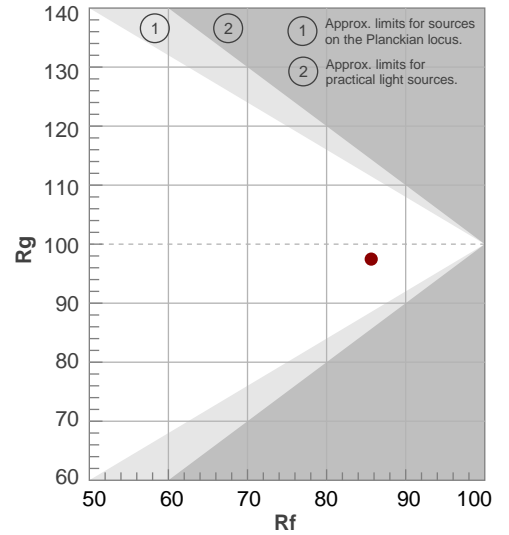
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2961 K	83,8	10,5	85,6	97,5	83,1	68	0,441	0,408	0,0008

# TM30 DETAILS

**Rf 85,6**  
Fidelity index Rf

**Rg 97,5**  
Gammut index

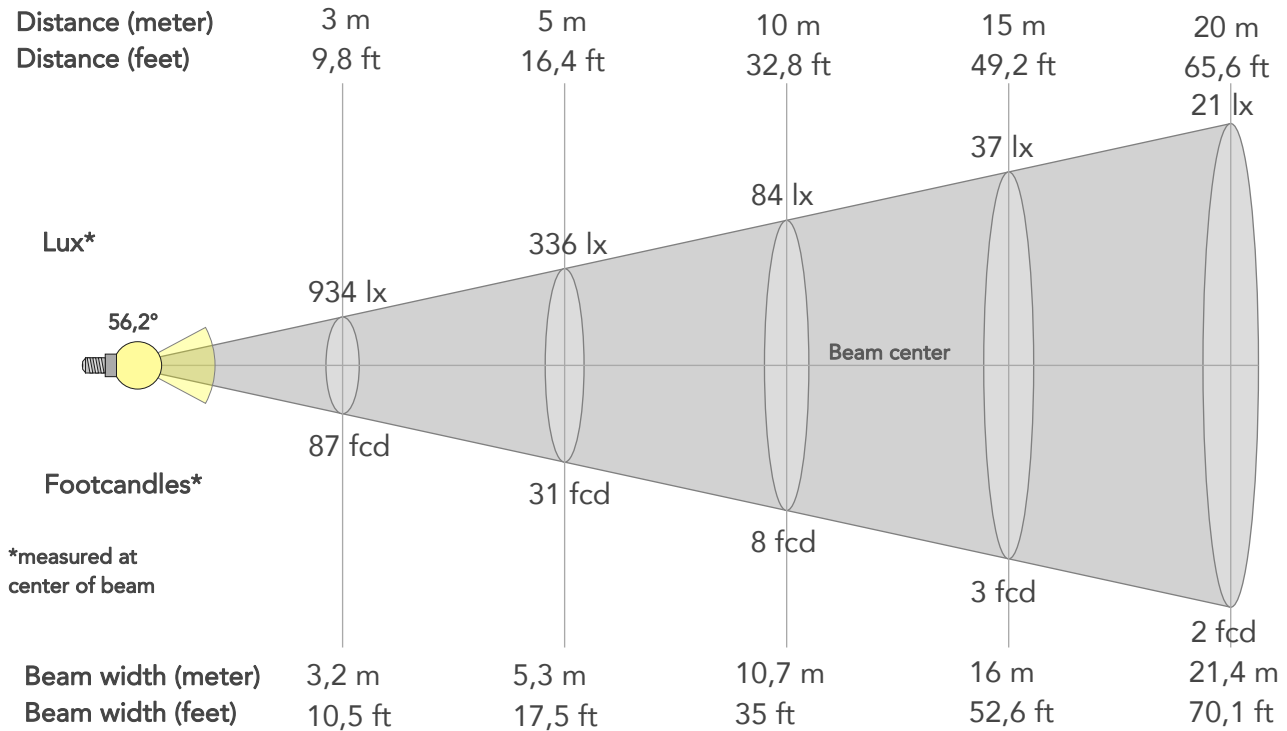
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-2%
2	82	-8%	7%
3	79	-3%	11%
4	87	3%	8%
5	91	5%	5%
6	91	5%	-2%
7	85	0%	-9%
8	94	-2%	-3%
9	90	-6%	-1%
10	88	-5%	5%
11	84	-2%	10%
12	86	5%	3%
13	88	5%	-6%
14	82	5%	-14%
15	83	-1%	-10%
16	79	-8%	-15%



# BEAM DETAILS



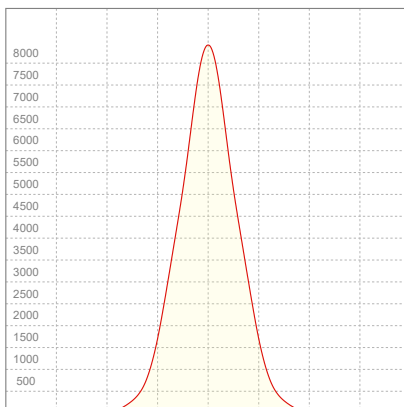
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,2°	107,6°	142,5°	94,1%	80,4%



## 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	8409lx	2102lx	934lx	526lx	336lx	149lx	84lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	781fcd	195fcd	87fcd	49fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
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



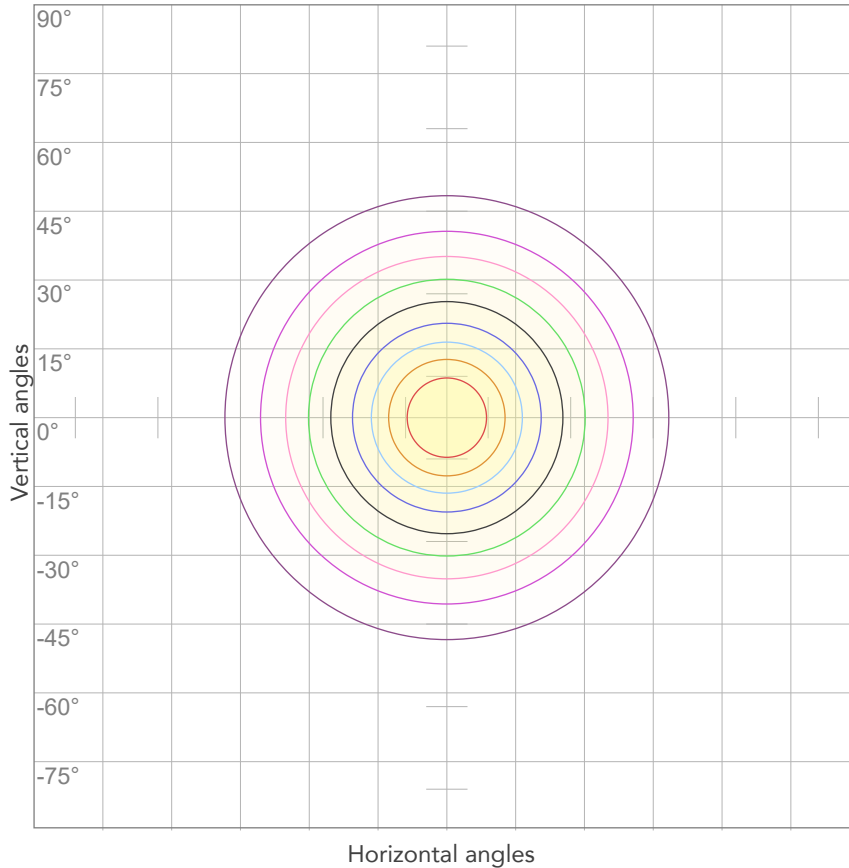
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,675A	134,8W	0,88	69lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



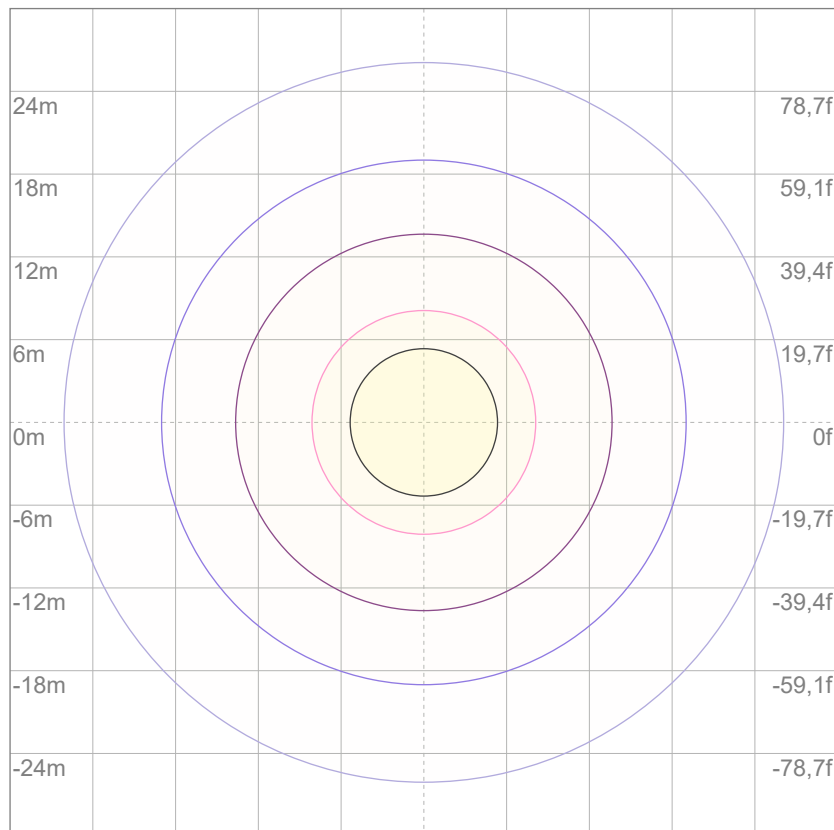
10%	841 cd
20%	1682 cd
30%	2523 cd
40%	3364 cd
50%	4205 cd
60%	5046 cd
70%	5887 cd
80%	6727 cd

Conditions:

Number of c-planes: 2

Candela at center: 8409 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,52 lx
5%	4,20 lx
10%	8,41 lx
30%	25,2 lx
50%	42,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 84,1 lx

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



Total lumen output:

11957 lm

Peak candela output:

26481 cd

Light quality:

CRI: 83,8

Color temperature:

2939 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x 60° Filter

Target:

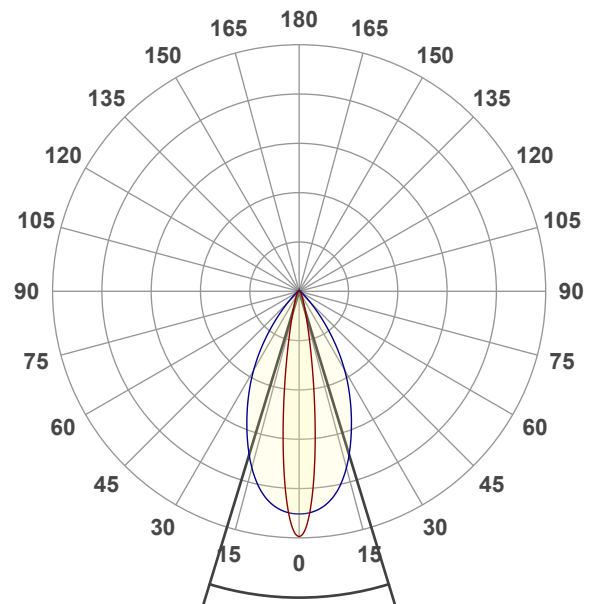
White

Operator:

Salvatore Giglio

Date and time:

24/04/2024 12:51:36

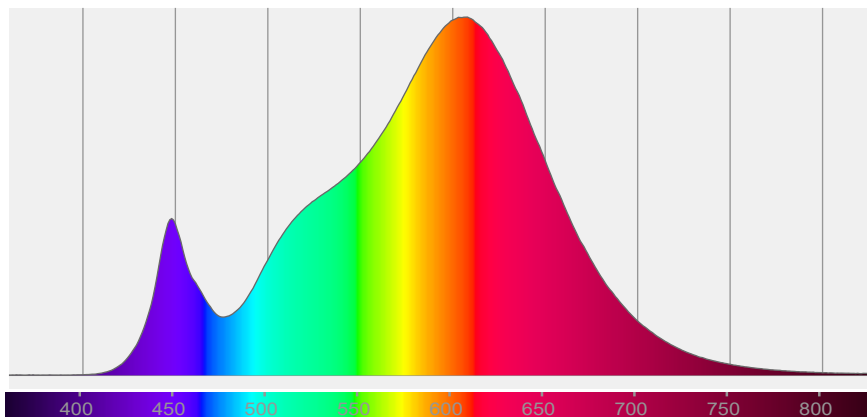


Beam angle 50%: 34°

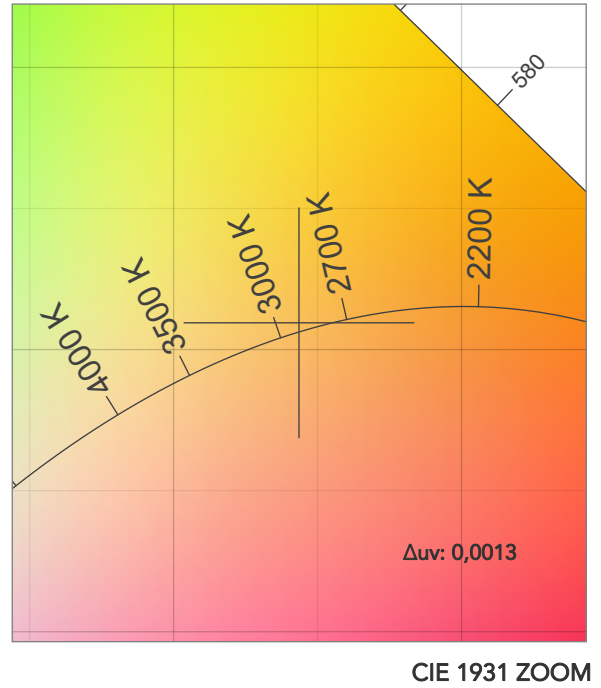
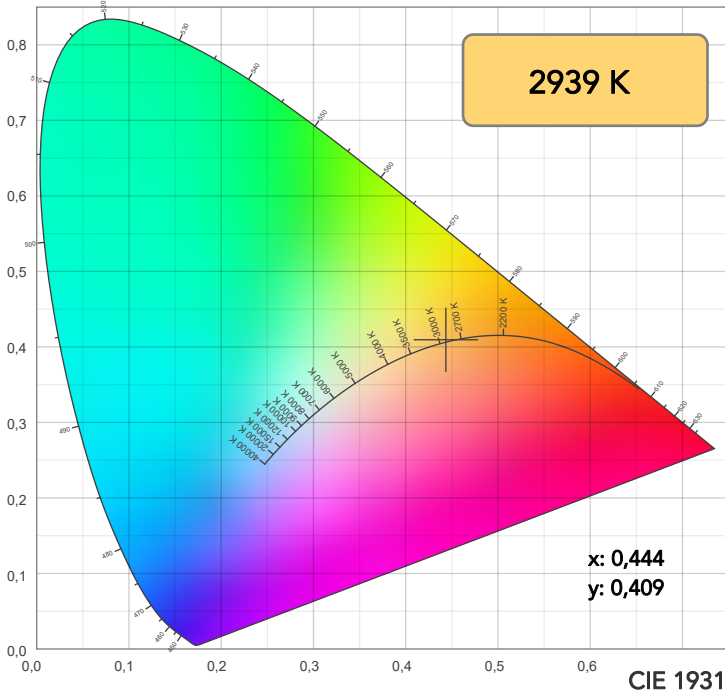
Field angle 10%: 59°

Cut off angle 2.5%: 83,2°

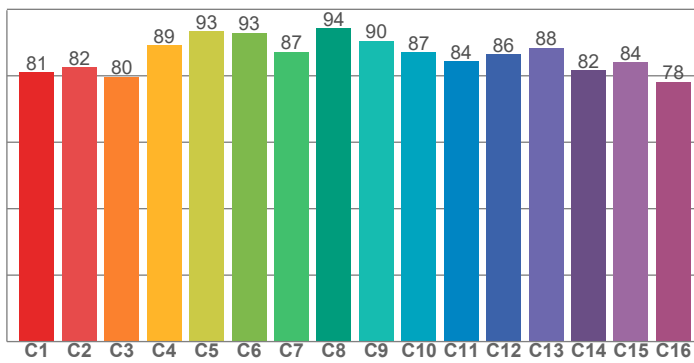
Spectra



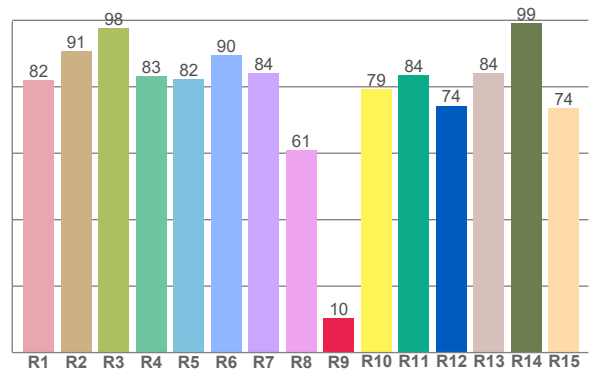
# COLOR DETAILS



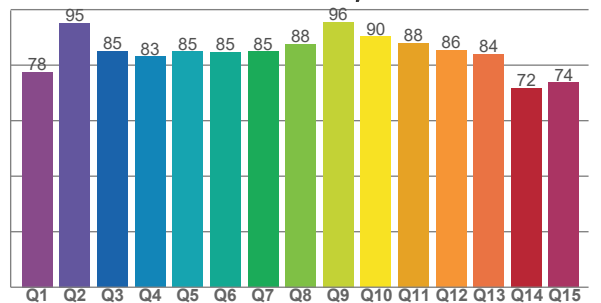
**TM30: 86,2**



**CRI: 83,8 (R1-R8)**



**CQS: 83,3**



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
82,1	90,8	97,5	83,2	82,3	89,6	84,1	60,8	10,3	79,3	83,6	74,3	84,1	99,1	73,5

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
81,1	82,5	79,7	89,2	93,3	93,0	87,2	94,3	90,5	87,0	84,4	86,4	88,4	81,6	84,1	78,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,5	95,1	85,0	83,2	84,9	84,7	84,9	87,6	95,6	90,3	88,0	85,5	83,9	71,8	73,7

## COLOR PARAMETERS

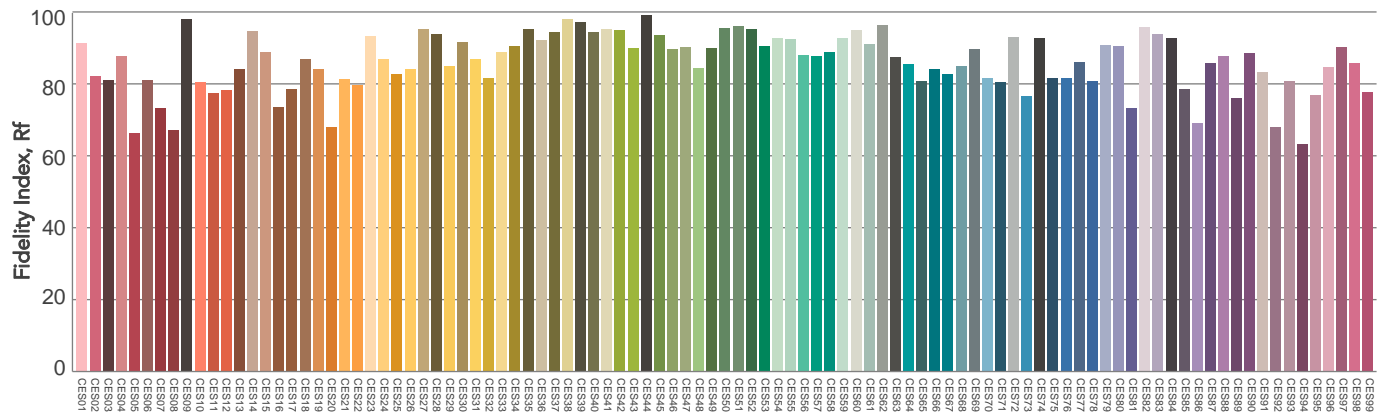
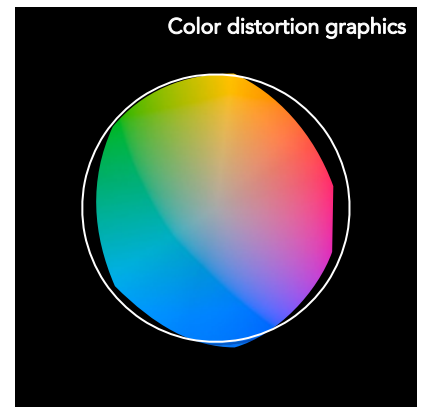
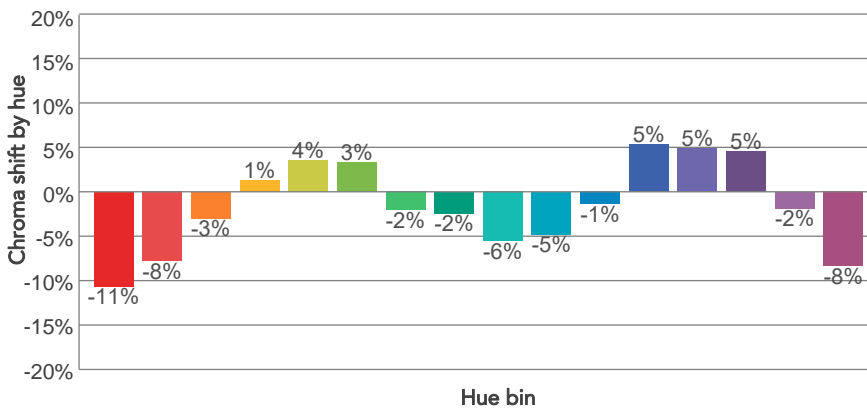
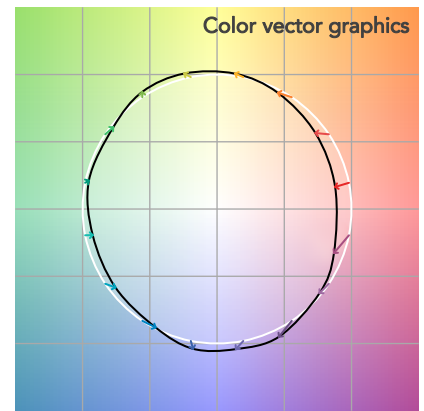
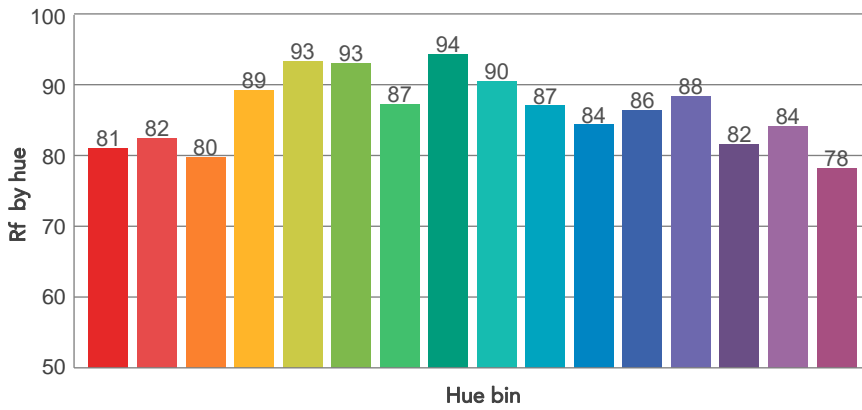
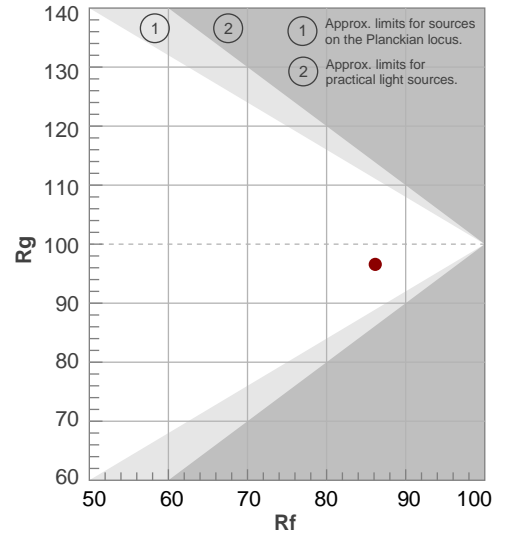
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2939 K	83,8	10,3	86,2	96,6	83,3	70	0,444	0,409	0,0013

# TM30 DETAILS

**Rf 86,2**  
Fidelity index Rf

**Rg 96,6**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	89	1%	7%
5	93	4%	4%
6	93	3%	-2%
7	87	-2%	-8%
8	94	-2%	-2%
9	90	-6%	1%
10	87	-5%	7%
11	84	-1%	11%
12	86	5%	3%
13	88	5%	-7%
14	82	5%	-14%
15	84	-2%	-10%
16	78	-8%	-15%

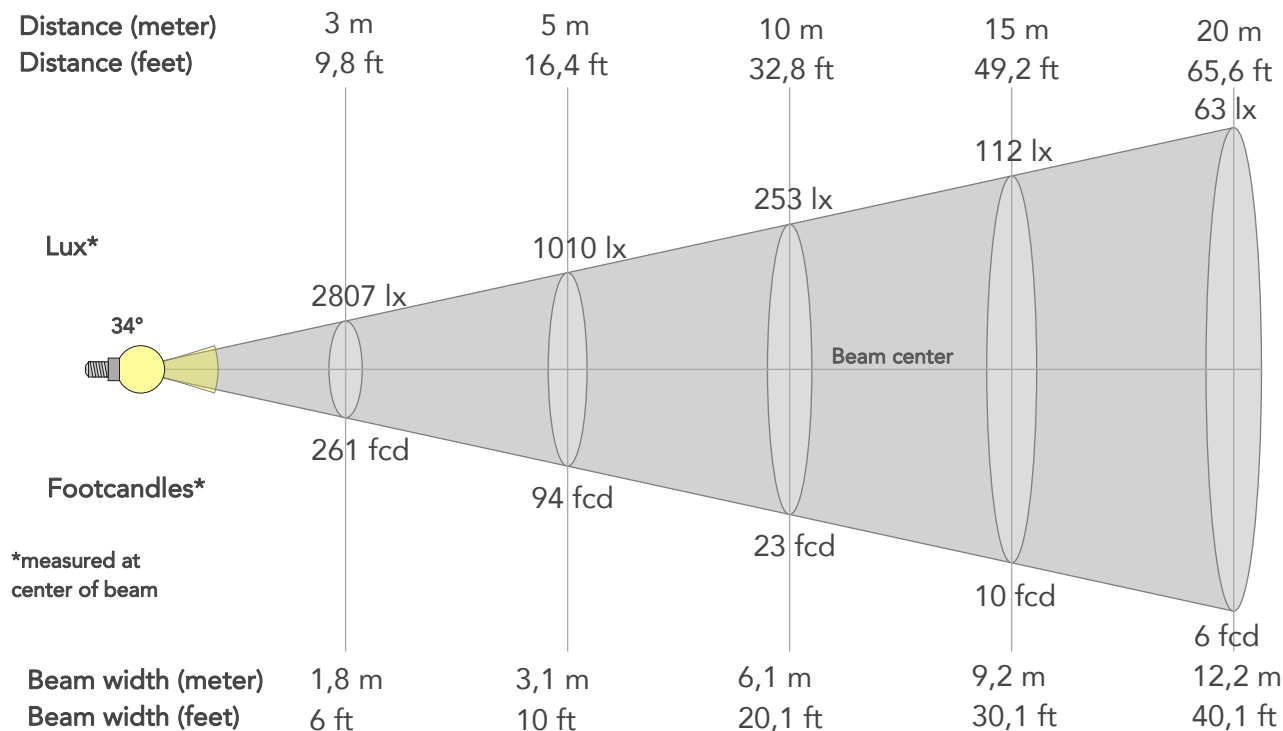


Color Evaluation Sample

# BEAM DETAILS



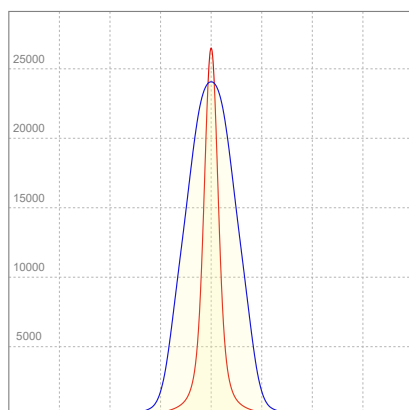
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34°	59°	83,2°	97,1%	91,8%



## 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	25262lx	6315lx	2807lx	1579lx	1010lx	449lx	253lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2347fcd	587fcd	261fcd	147fcd	94fcd	42fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3,1m	4,6m	6,1m	9,2m	12,2m	15,3m	18,3m	24,5m	30,6m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15ft	20,1ft	30,1ft	40,1ft	50,2ft	60,2ft	80,2ft	100,3ft

## LINEAR DISTRIBUTION DIAGRAM

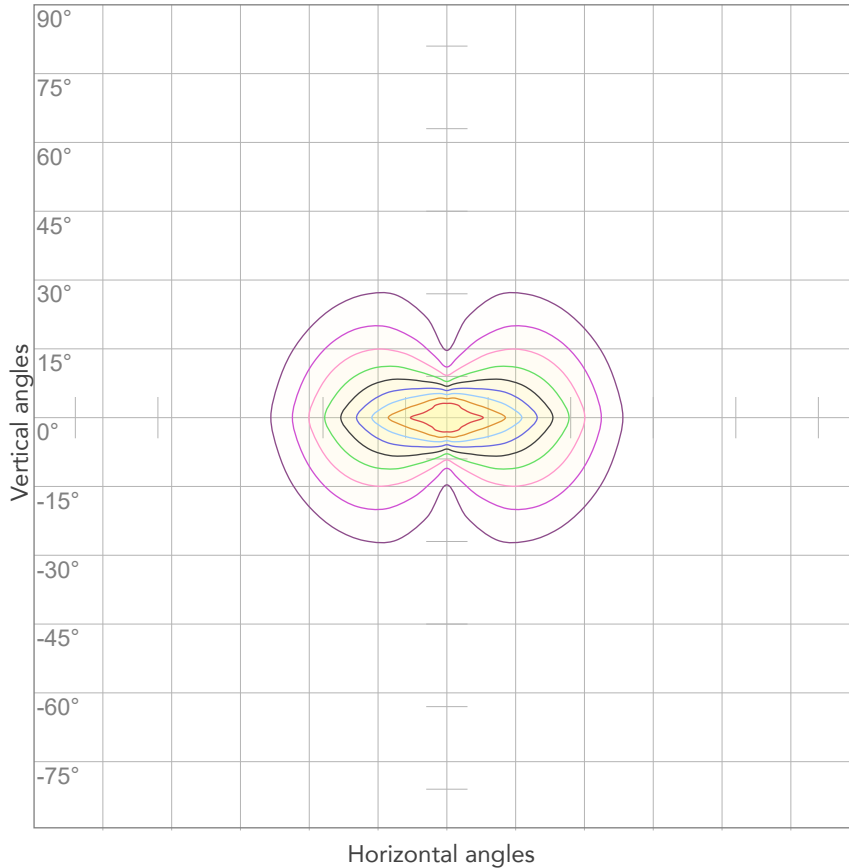


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,673A	134,3W	0,88	89lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



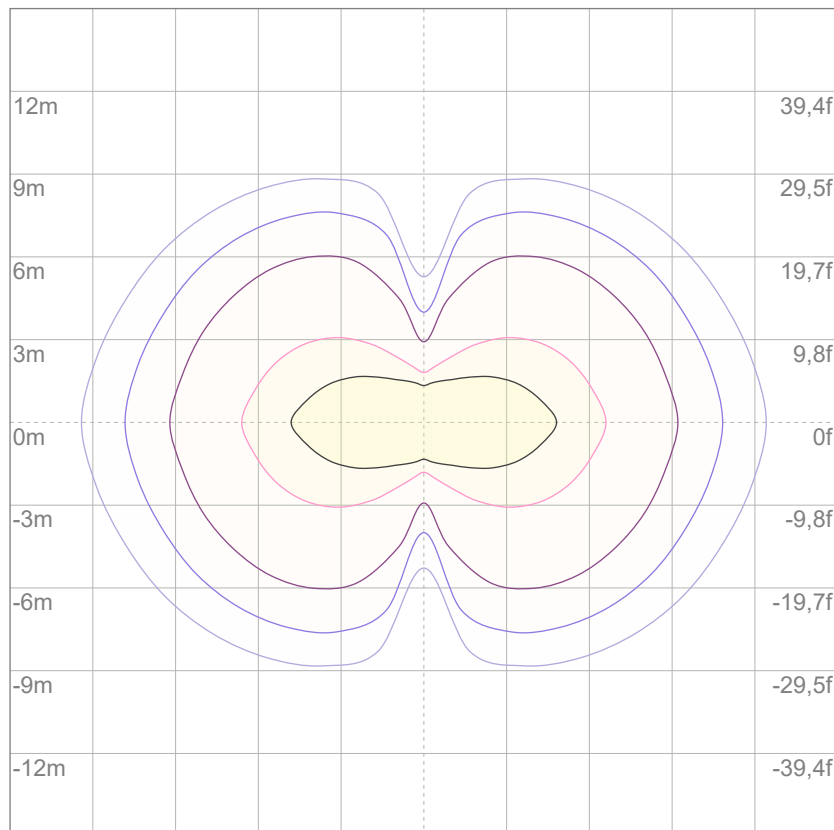
10%	2526 cd
20%	5052 cd
30%	7578 cd
40%	10105 cd
50%	12631 cd
60%	15157 cd
70%	17683 cd
80%	20209 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 25262 cd

## ISO LUX DIAGRAM



3%	7,58 lx
5%	12,6 lx
10%	25,3 lx
30%	75,8 lx
50%	126 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 253 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

9260 lm

Peak candela output:

14157 cd

Light quality:

CRI: 83,7

Color temperature:

2963 K

**PRODUCT NAME:**

**ARCSPOTXLFC**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 30°x60°Filter

**Target:**

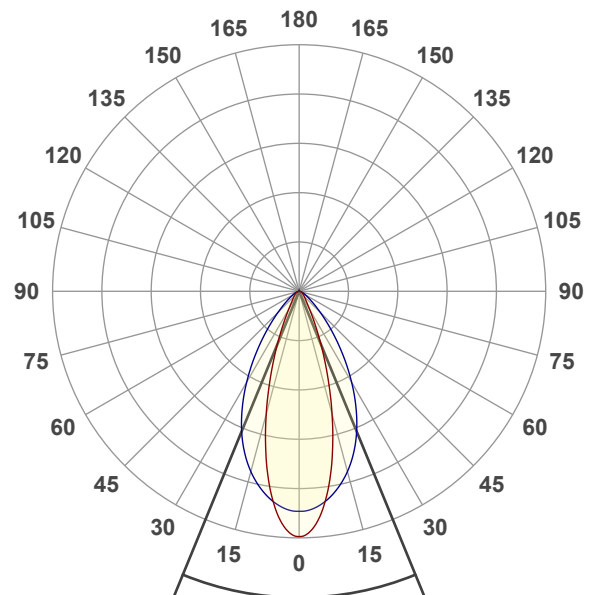
White

**Operator:**

Salvatore Giglio

**Date and time:**

28/10/2024 14:17:59

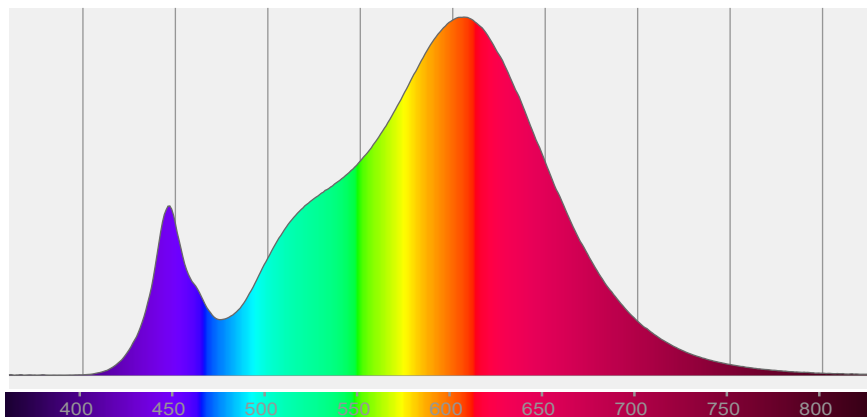


Beam angle 50%: 44,6°

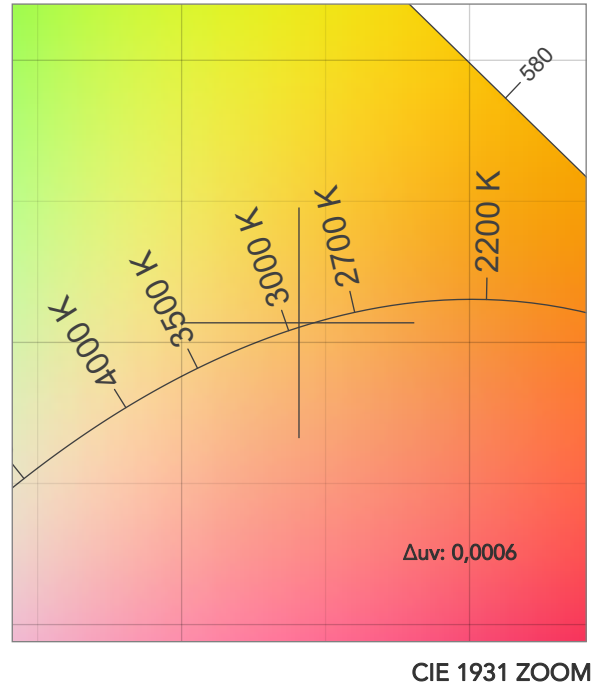
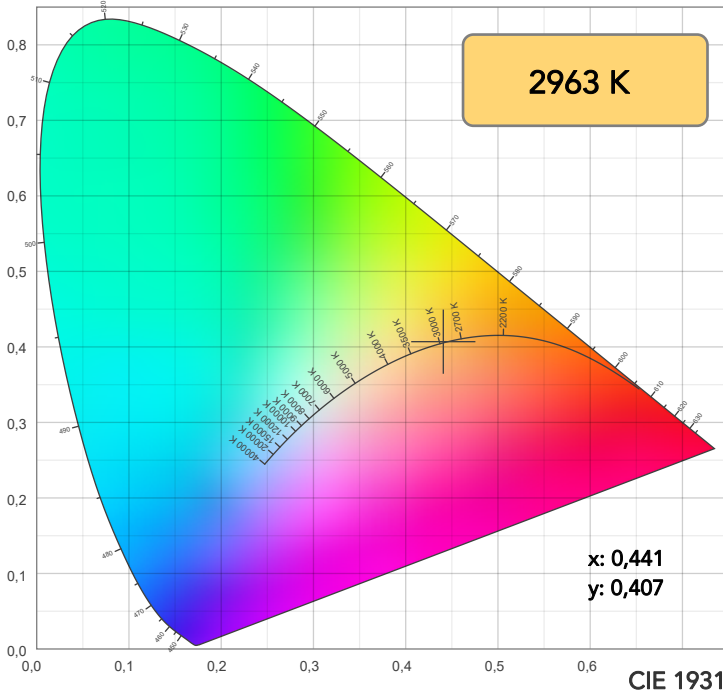
Field angle 10%: 76,9°

Cut off angle 2.5%: 112,5°

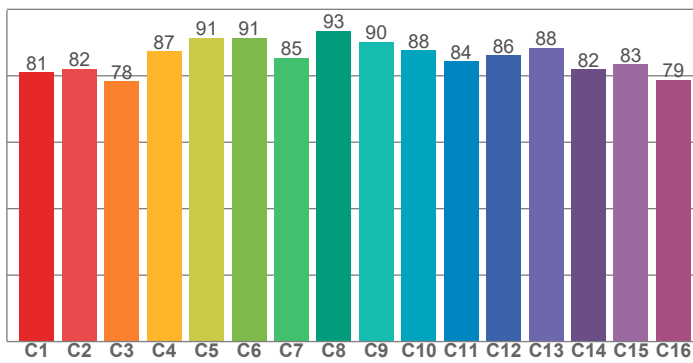
**Spectra**



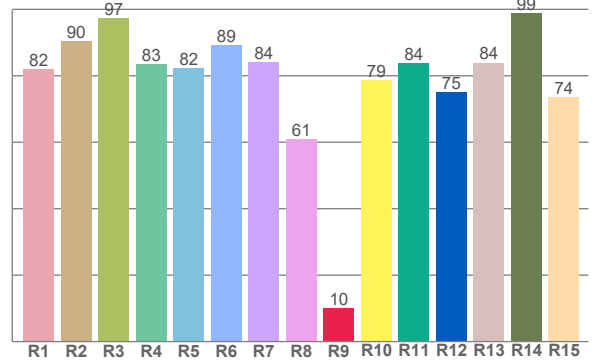
# COLOR DETAILS



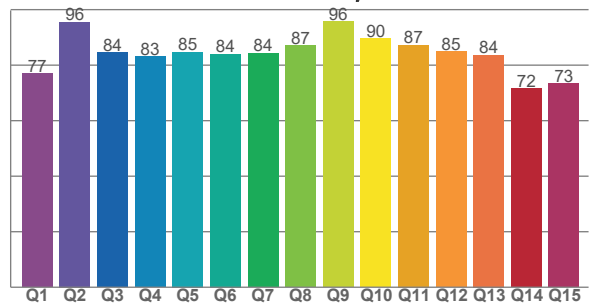
**TM30: 85,6**



**CRI: 83,7 (R1-R8)**



**CQS: 83,0**



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
82,0	90,5	97,4	83,4	82,3	89,2	84,0	60,9	10,2	78,7	83,9	75,1	83,9	98,8	73,5

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
81,1	82,1	78,4	87,4	91,4	91,4	85,5	93,5	90,3	87,7	84,3	86,1	88,5	82,0	83,4	78,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76,9	95,6	84,5	83,1	84,7	84,0	84,3	87,1	95,7	89,5	87,3	84,9	83,6	71,6	73,3

## 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
2963 K	83,7	10,2	85,6	97,4	83,0	68	0,441	0,407	0,0006

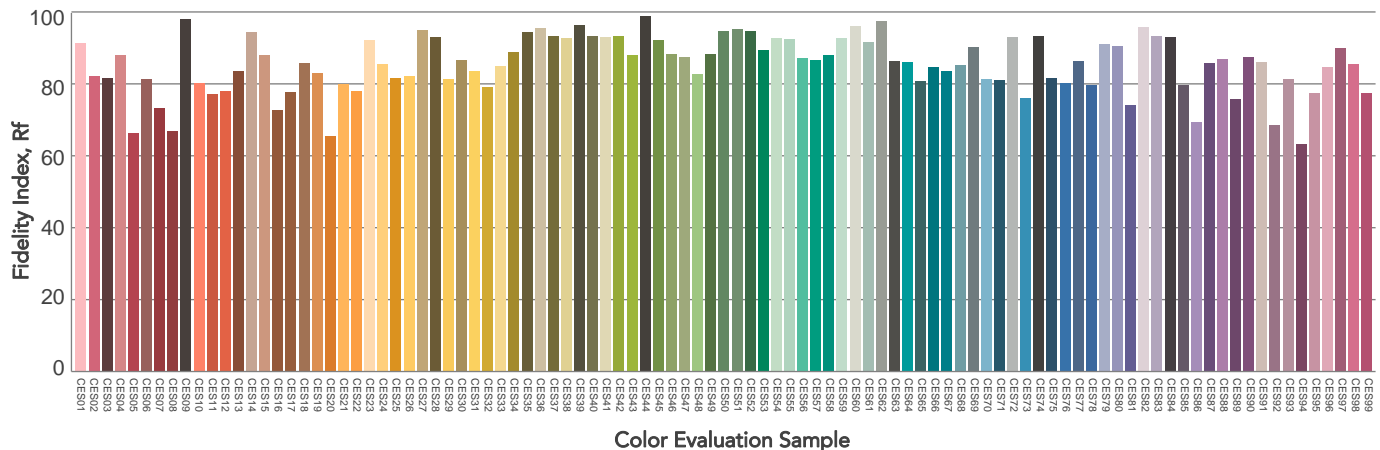
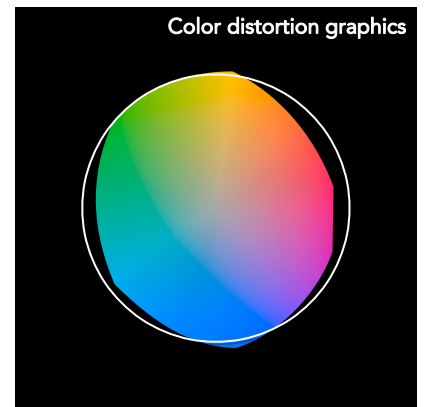
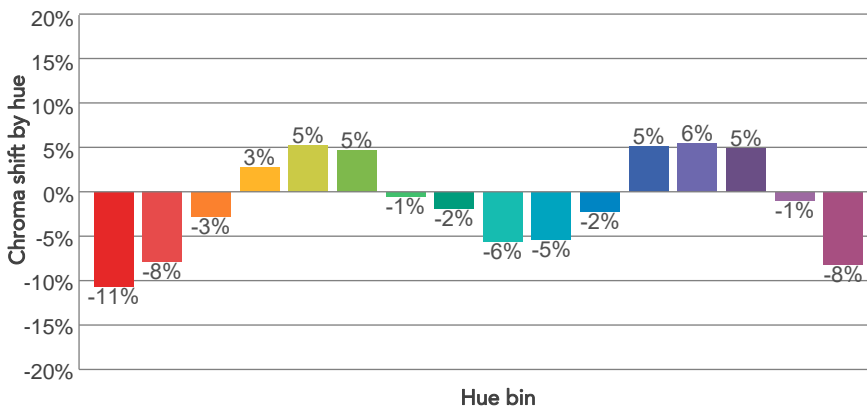
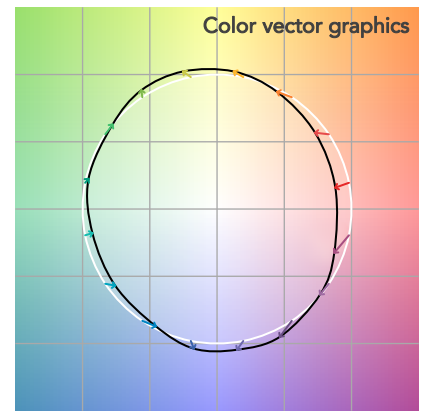
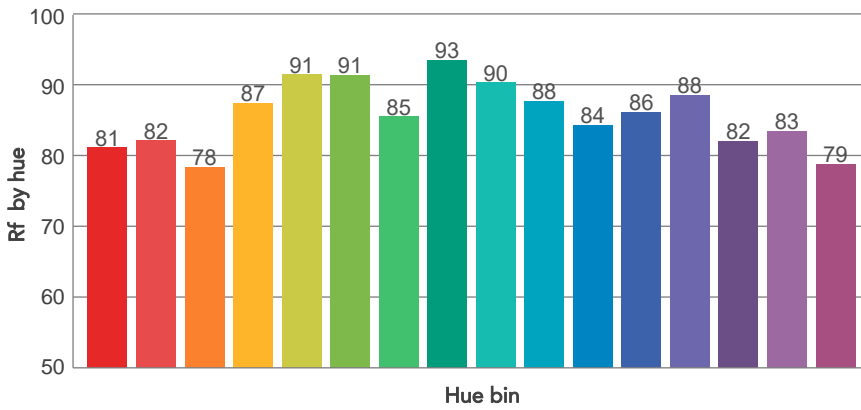
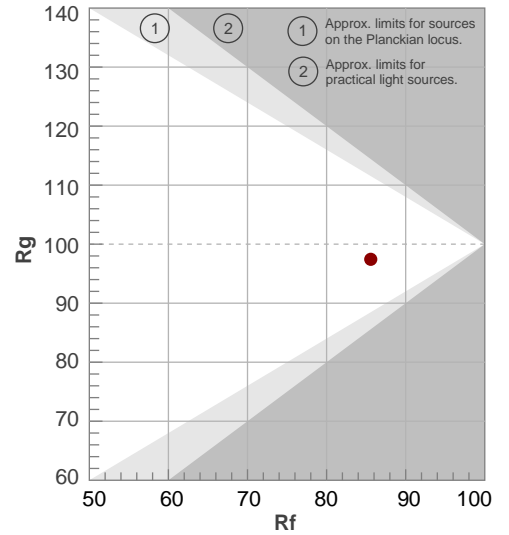


# TM30 DETAILS

**Rf 85,6**  
Fidelity index Rf

**Rg 97,4**  
Gammut index

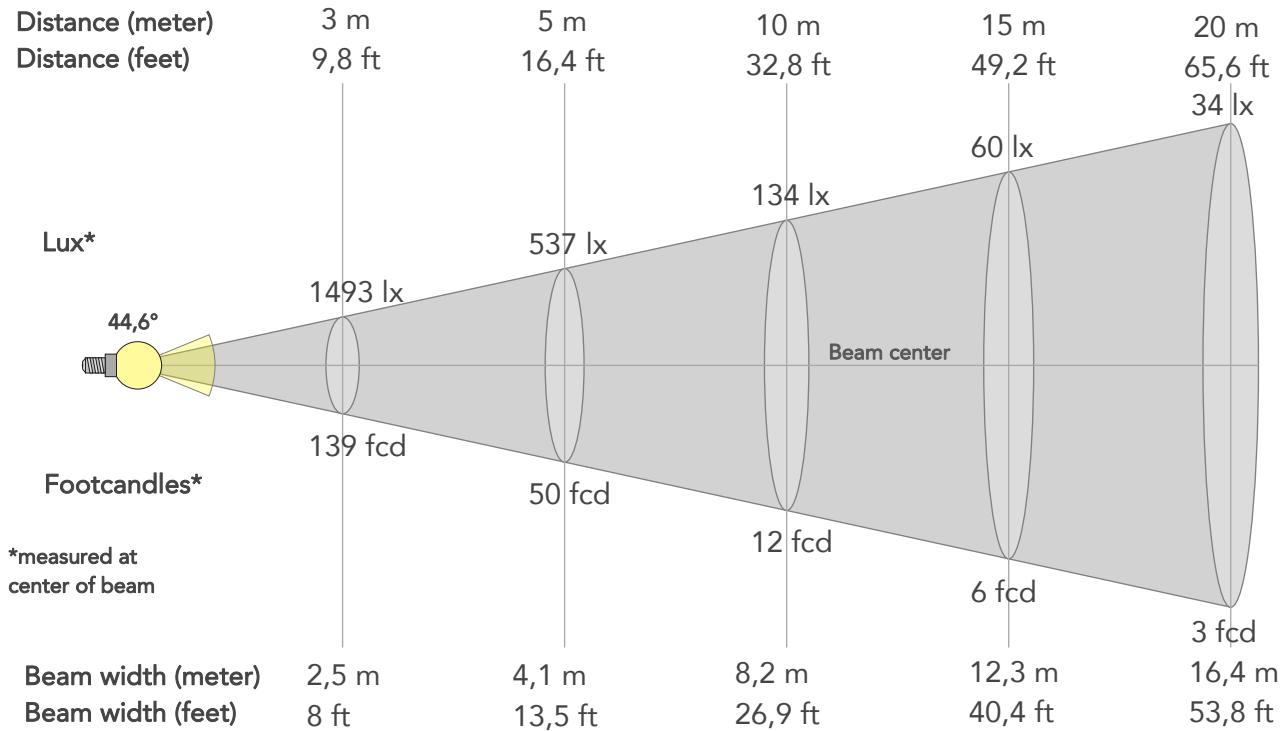
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	-2%
2	82	-8%	7%
3	78	-3%	11%
4	87	3%	8%
5	91	5%	5%
6	91	5%	-2%
7	85	-1%	-9%
8	93	-2%	-3%
9	90	-6%	-1%
10	88	-5%	5%
11	84	-2%	11%
12	86	5%	3%
13	88	6%	-6%
14	82	5%	-14%
15	83	-1%	-10%
16	79	-8%	-15%



# BEAM DETAILS



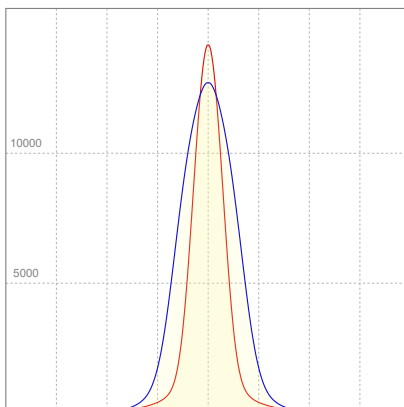
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,6°	76,9°	112,5°	95,8%	87,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13433lx	3358lx	1493lx	840lx	537lx	239lx	134lx	60lx	34lx	21lx	15lx	8lx	5lx
Footcand.	1248fcd	312fcd	139fcd	78fcd	50fcd	22fcd	12fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	41m
Beam wid.	2,7ft	5,4ft	8ft	10,8ft	13,5ft	20,2ft	26,9ft	40,4ft	53,8ft	67,3ft	80,8ft	107,7ft	134,6ft

## LINEAR DISTRIBUTION DIAGRAM

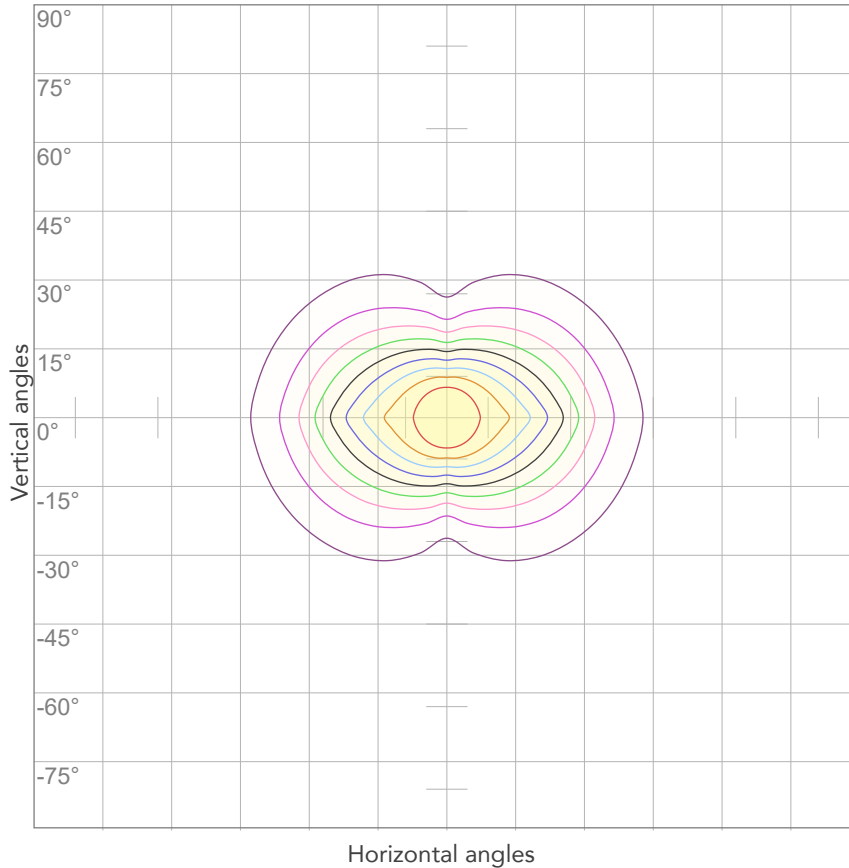


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,667A	133,7W	0,88	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



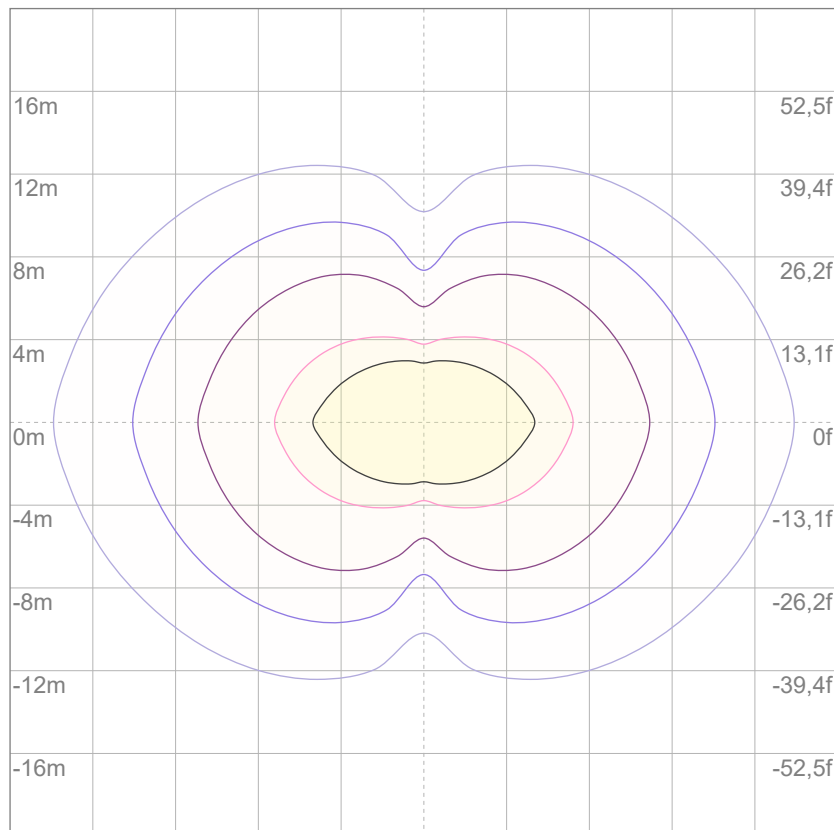
10%	1343 cd
20%	2687 cd
30%	4030 cd
40%	5373 cd
50%	6717 cd
60%	8060 cd
70%	9403 cd
80%	10747 cd

Conditions:

Number of c-planes: 4

Candela at center: 13433 cd

## ISO LUX DIAGRAM



3%	4,03 lx
5%	6,72 lx
10%	13,4 lx
30%	40,3 lx
50%	67,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 134 lx

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



Total lumen output:

13109 lm

Peak candela output:

275535 cd

Light quality:

CRI: 84,2

Color temperature:

2830 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native Optic - 10°

Target:

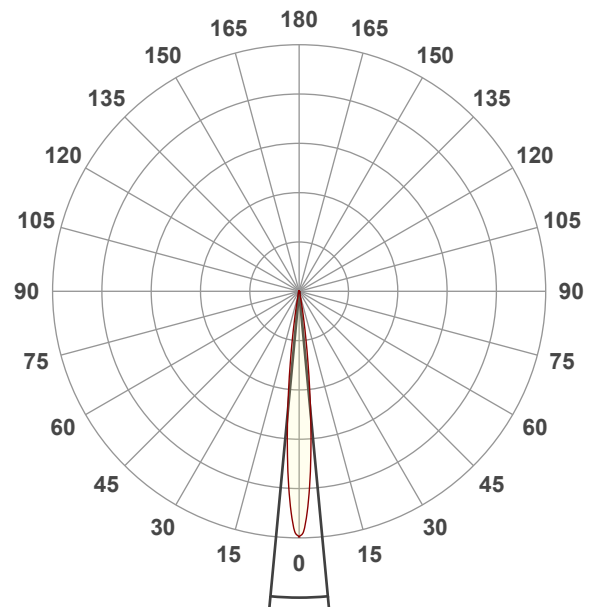
2800K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 11:15:28

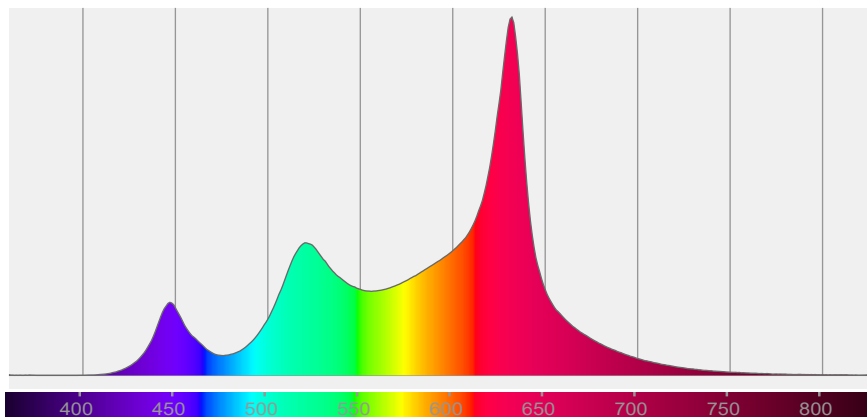


Beam angle 50%: 10,8°

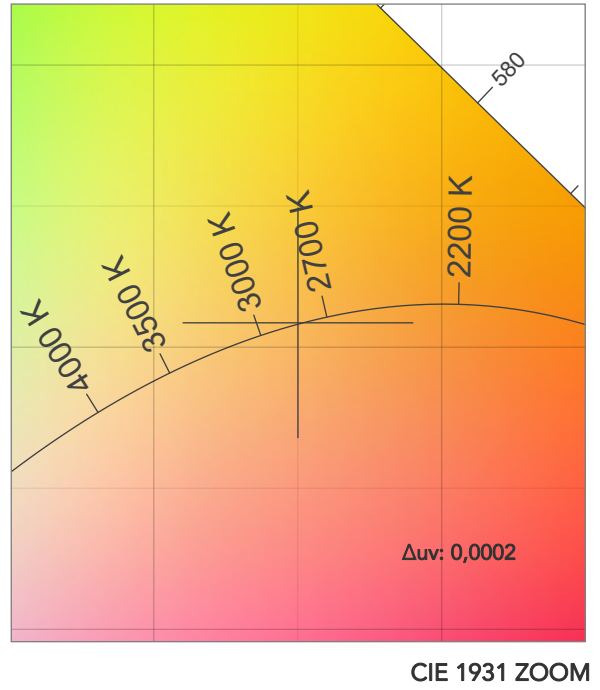
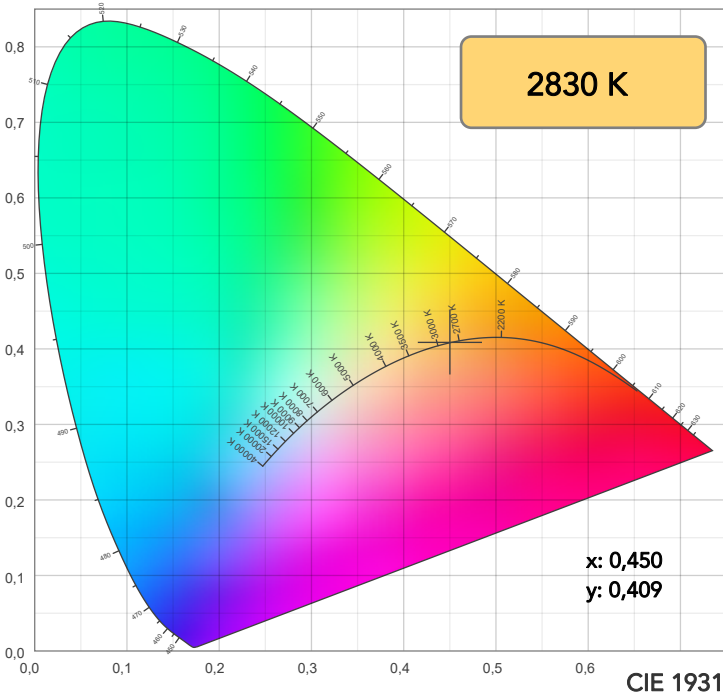
Field angle 10%: 19,2°

Cut off angle 2.5%: 26°

Spectra

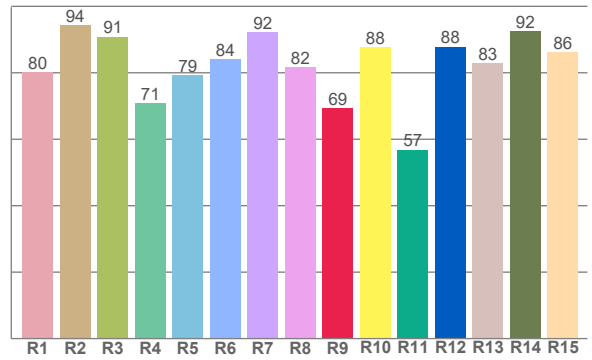
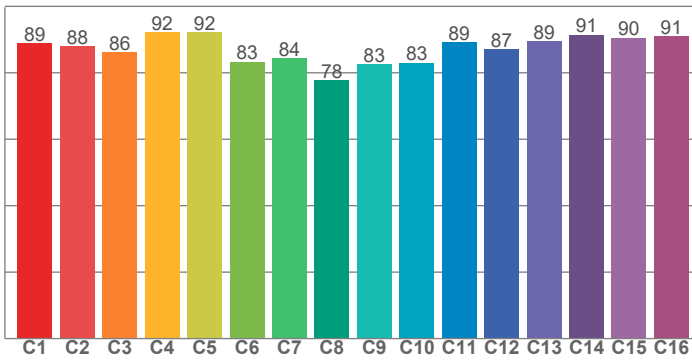


# COLOR DETAILS



TM30: 87,8

CRI: 84,2 (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
80,1	94,3	90,8	70,9	79,4	84,2	92,3	81,7	69,3	87,8	56,9	87,8	82,9	92,4	86,2

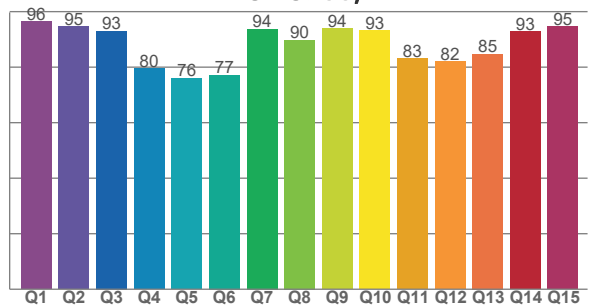
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,8	87,9	86,2	92,1	92,3	83,3	84,4	77,7	82,6	83,0	89,2	87,0	89,5	91,5	90,5	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	94,6	93,0	79,5	76,0	77,1	93,7	89,8	93,9	93,3	83,0	82,0	84,7	92,8	94,7

CQS: 86,1



## COLOR PARAMETERS

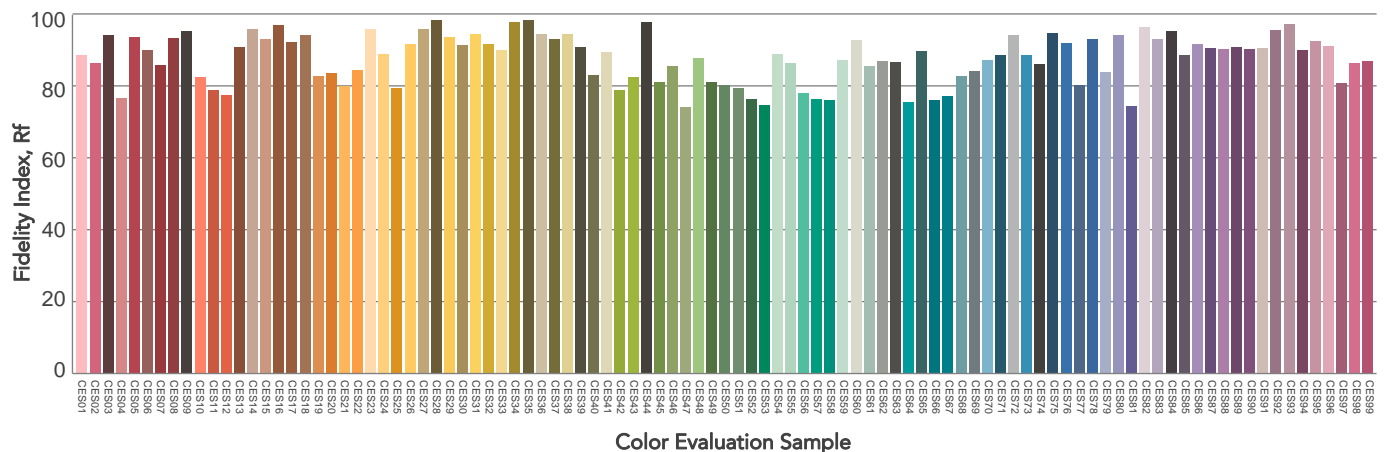
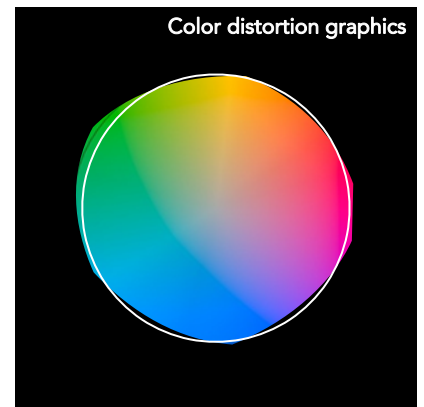
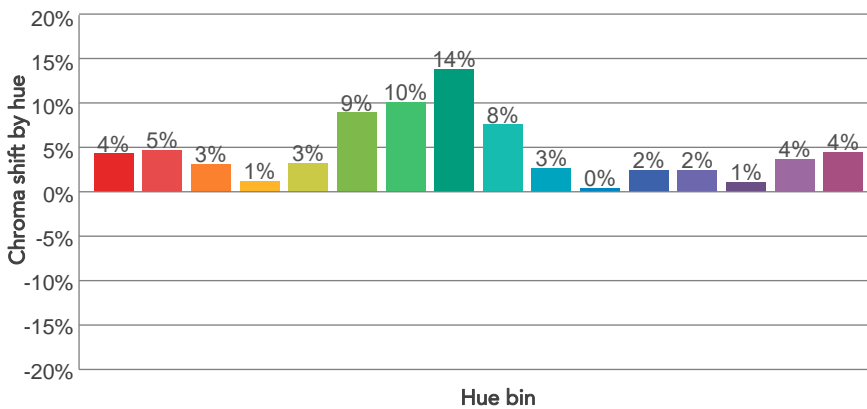
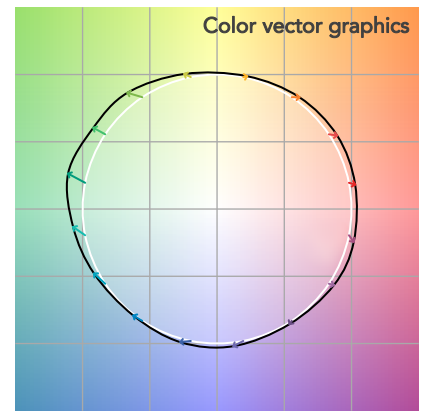
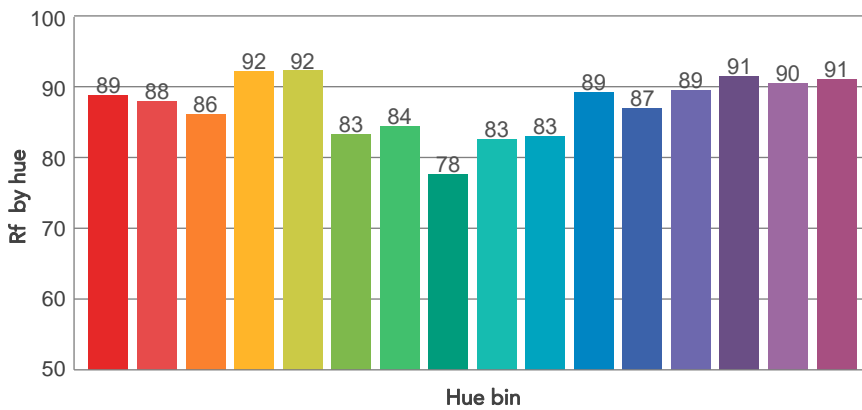
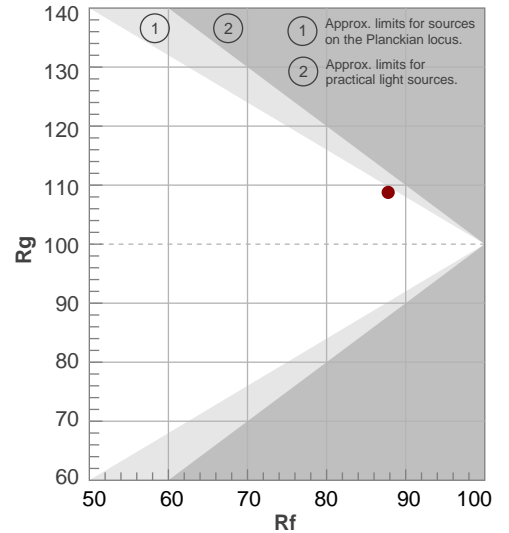
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2830 K	84,2	69,3	87,8	108,8	86,1	65	0,450	0,409	0,0002

# TM30 DETAILS

**Rf 87,8**  
Fidelity index Rf

**Rg 108,8**  
Gammut index

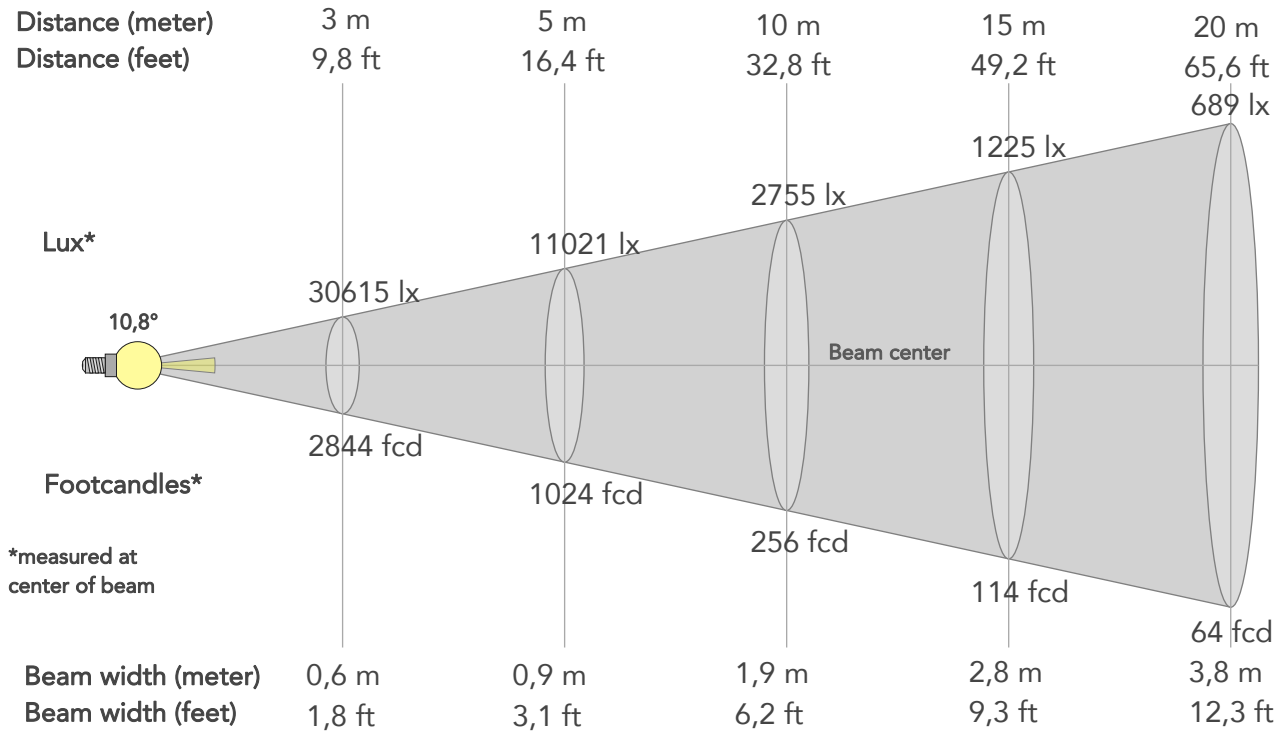
		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	86	3%	-5%
4	92	1%	-3%
5	92	3%	4%
6	83	9%	7%
7	84	10%	1%
8	78	14%	-4%
9	83	8%	-8%
10	83	3%	-11%
11	89	0%	-8%
12	87	2%	-7%
13	89	2%	-8%
14	91	1%	-3%
15	90	4%	1%
16	91	4%	-4%



# BEAM DETAILS



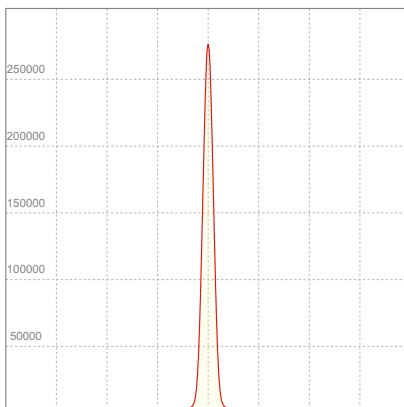
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,8°	19,2°	26°	99,7%	98,2%



## 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	275535lx	68884lx	30615lx	17221lx	11021lx	4898lx	2755lx	1225lx	689lx	441lx	306lx	172lx	110lx
Footcand.	25598fcd	6400fcd	2844fcd	1600fcd	1024fcd	455fcd	256fcd	114fcd	64fcd	41fcd	28fcd	16fcd	10fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,6m	7,5m	9,4m
Beam wid.	0,6ft	1,2ft	1,8ft	2,5ft	3,1ft	4,6ft	6,2ft	9,3ft	12,3ft	15,4ft	18,5ft	24,7ft	30,9ft

## LINEAR DISTRIBUTION DIAGRAM

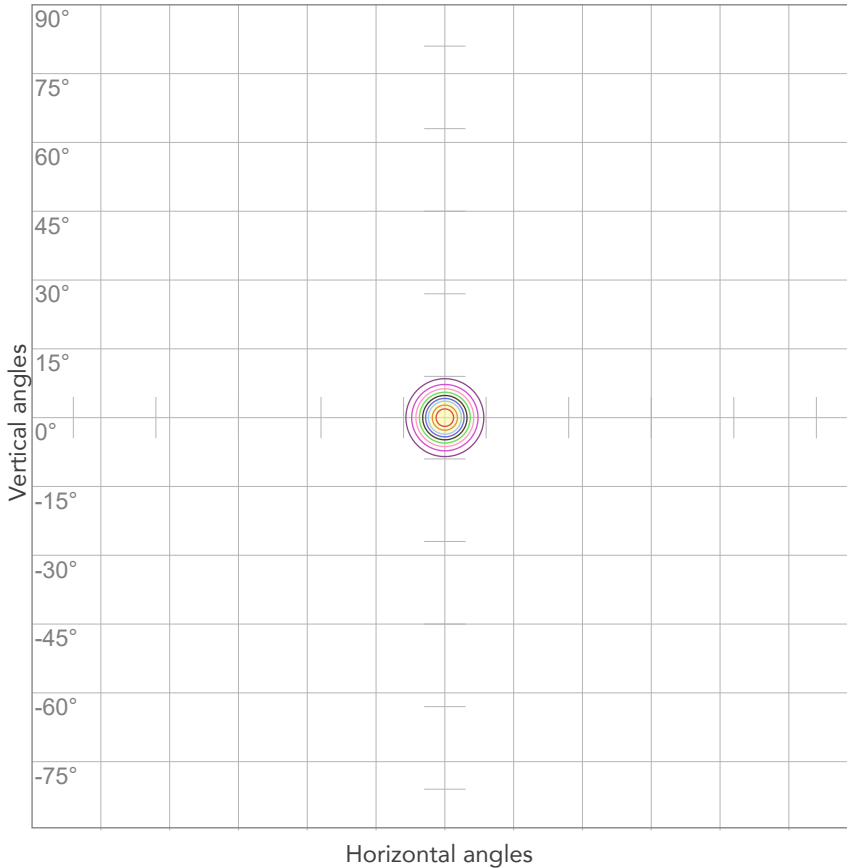


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,00A	214,5W	0,95	61lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



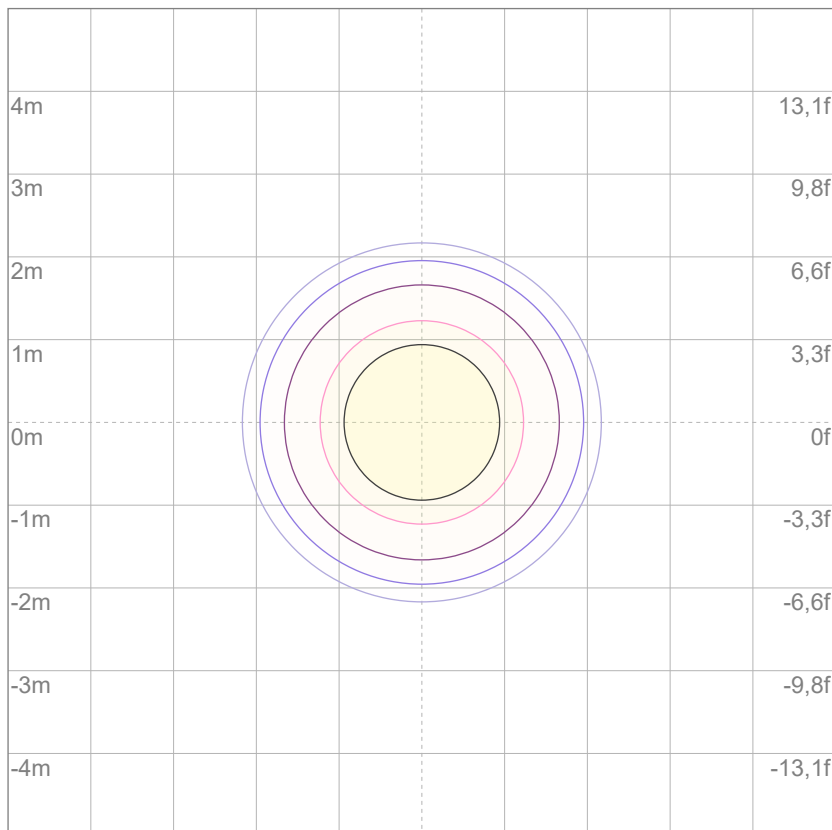
10%	27553 cd
20%	55107 cd
30%	82660 cd
40%	110214 cd
50%	137767 cd
60%	165321 cd
70%	192874 cd
80%	220428 cd

Conditions:

Number of c-planes: 2

Candela at center: 275535 cd

## ISO LUX DIAGRAM



3%	82,7 lx
5%	138 lx
10%	276 lx
30%	827 lx
50%	1378 lx

Conditions:

Number of c-planes: 2

Lux at center: 2755 lx

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

Mounting height: 10 meters (33 feet)





Total lumen output:

13178 lm

Peak candela output:

53800 cd

Light quality:

CRI: 84,3

Color temperature:

2817 K

**PRODUCT NAME:**

**ARCSPOTXLFC**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 20°Filter

**Target:**

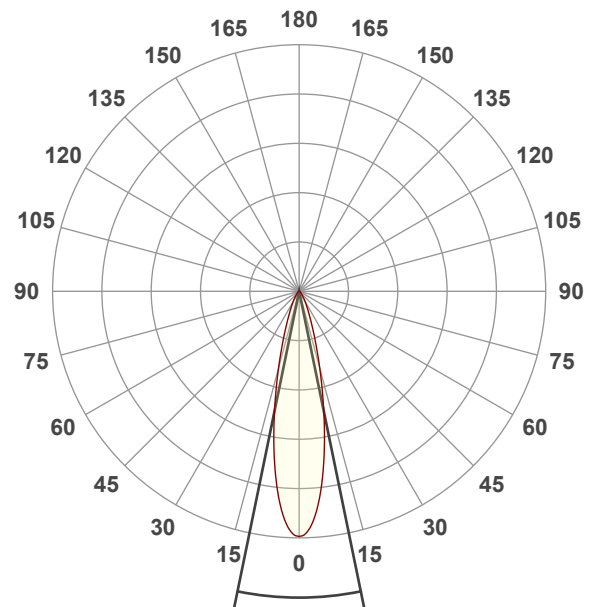
2800K

**Operator:**

Salvatore Giglio

**Date and time:**

25/10/2024 15:20:10

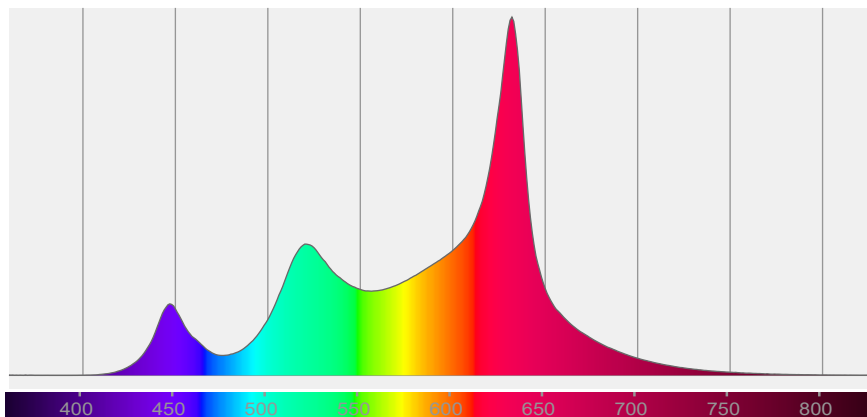


Beam angle 50%: 23,2°

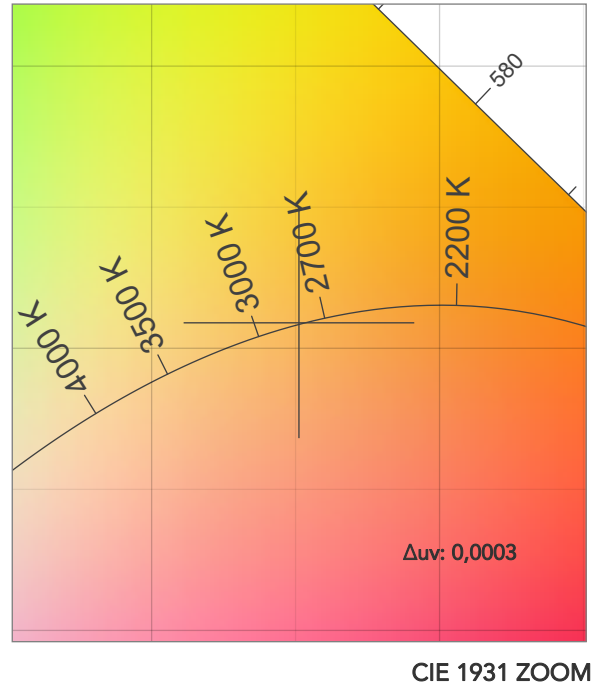
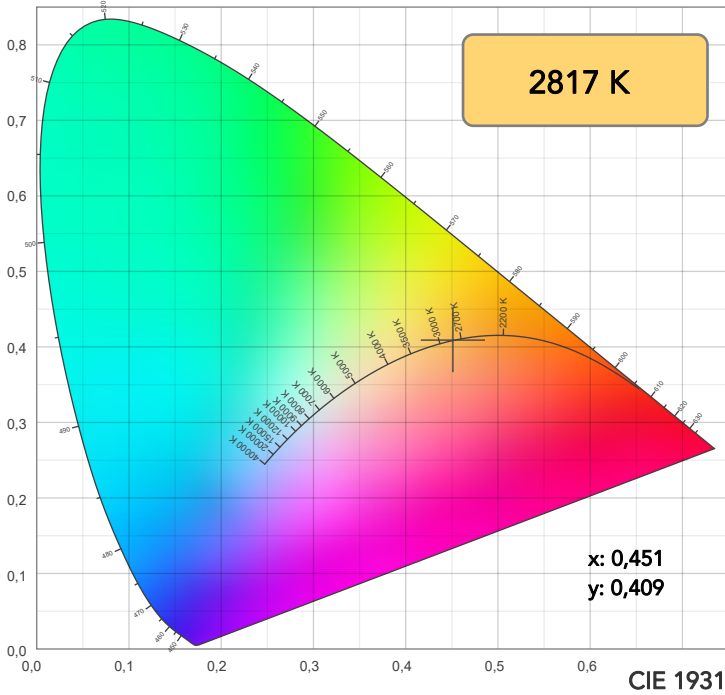
Field angle 10%: 47,3°

Cut off angle 2.5%: 72,5°

**Spectra**

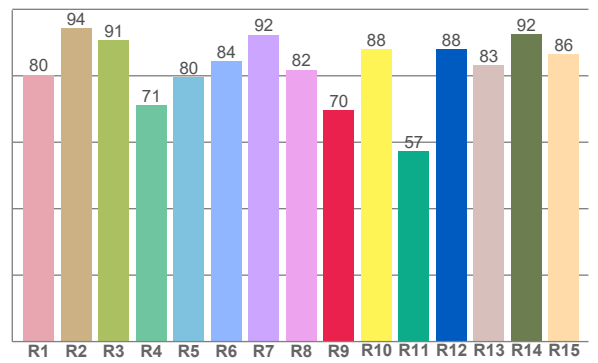
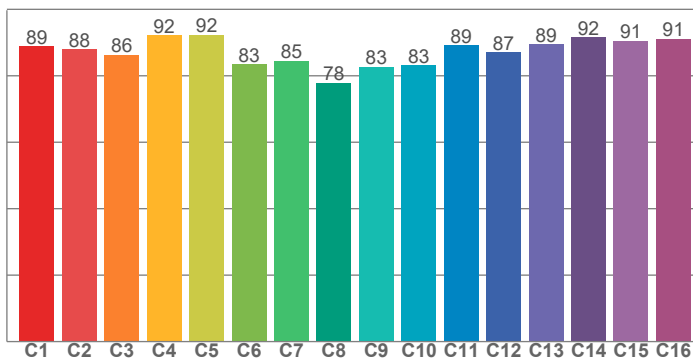


# COLOR DETAILS



TM30: 87,9

CRI: 84,3 (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
80,3	94,3	90,8	71,1	79,6	84,3	92,4	81,9	69,6	88,0	57,2	87,9	83,1	92,4	86,4

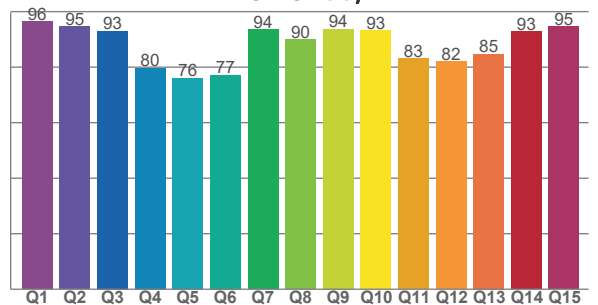
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,9	88,0	86,3	92,2	92,3	83,4	84,5	77,9	82,7	83,1	89,2	87,0	89,5	91,6	90,6	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	94,6	93,0	79,7	76,2	77,2	93,7	89,9	93,8	93,2	83,1	82,1	84,7	92,8	94,7

CQS: 86,2



## COLOR PARAMETERS

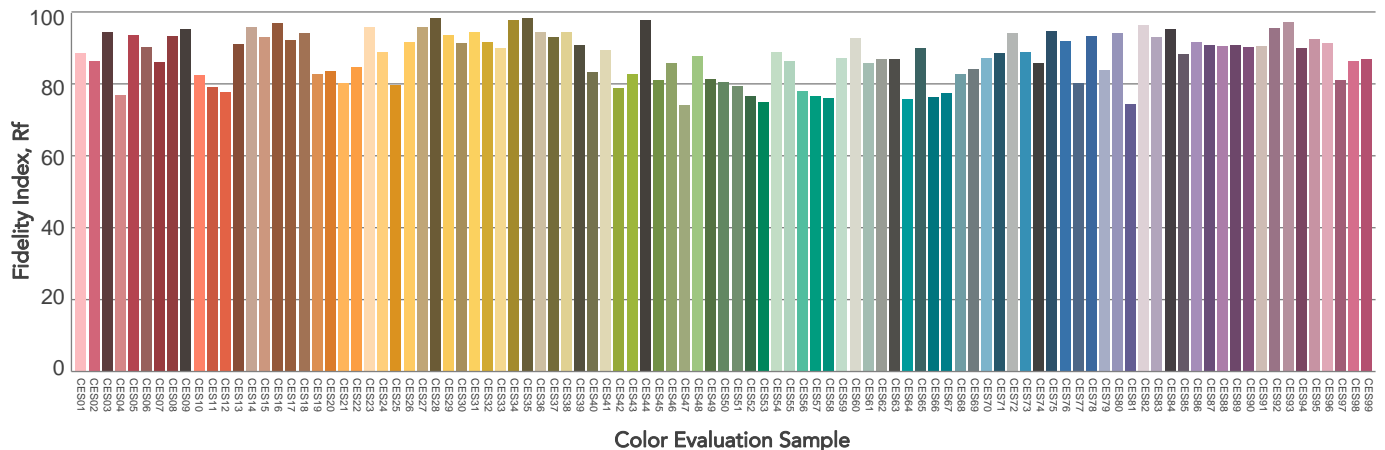
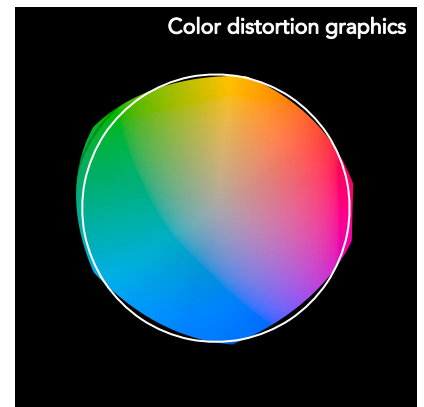
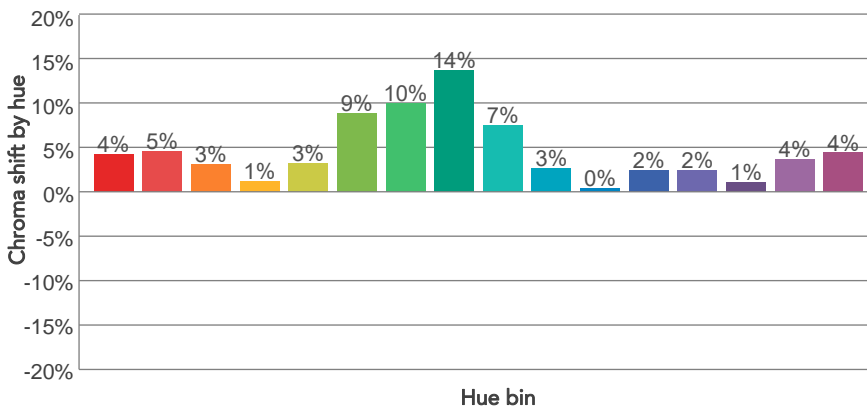
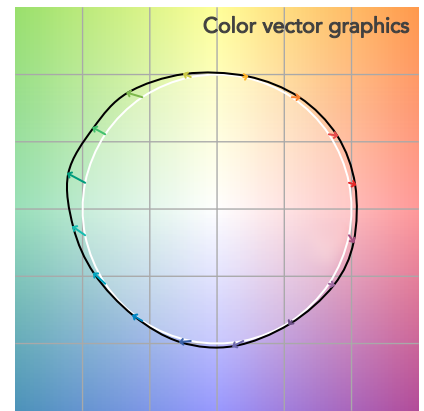
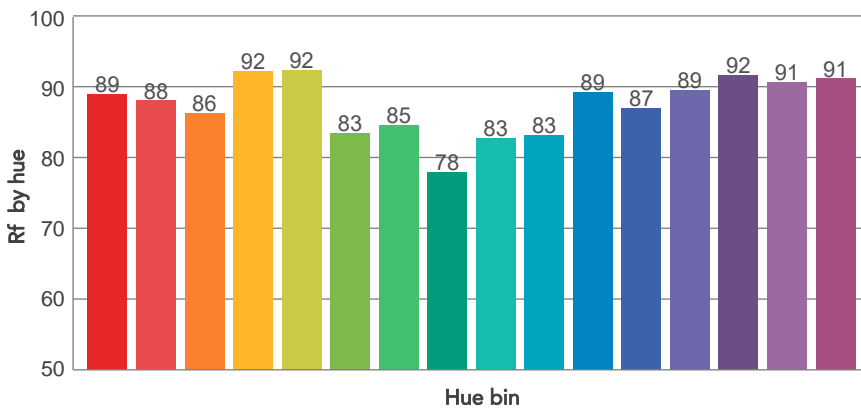
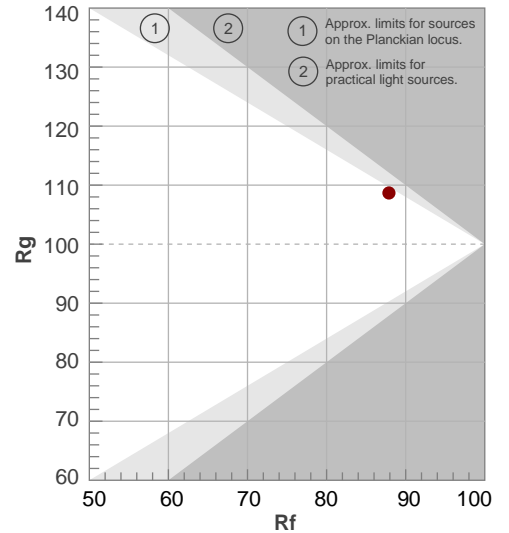
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2817 K	84,3	69,6	87,9	108,7	86,2	65	0,451	0,409	0,0003

# TM30 DETAILS

**Rf 87,9**  
Fidelity index Rf

**Rg 108,7**  
Gammut index

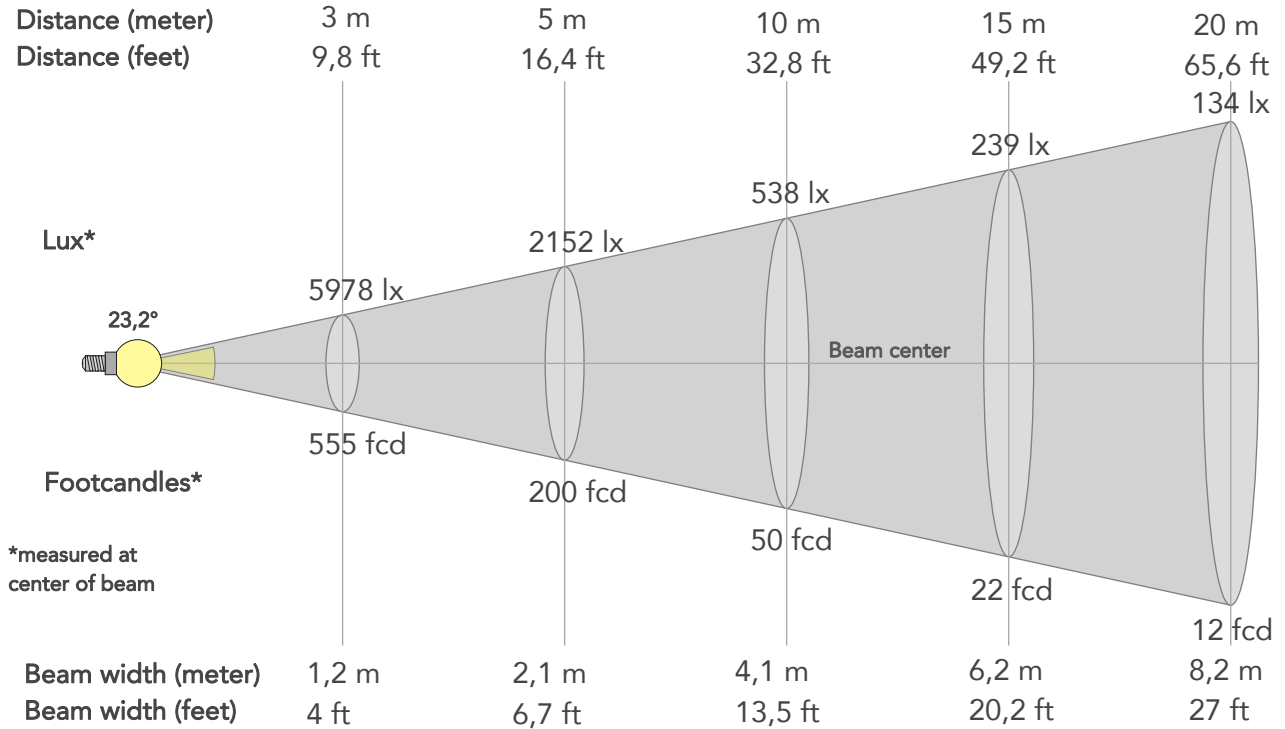
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	86	3%	-5%
4	92	1%	-3%
5	92	3%	4%
6	83	9%	7%
7	85	10%	1%
8	78	14%	-4%
9	83	7%	-8%
10	83	3%	-11%
11	89	0%	-8%
12	87	2%	-7%
13	89	2%	-8%
14	92	1%	-3%
15	91	4%	1%
16	91	4%	-4%



# BEAM DETAILS



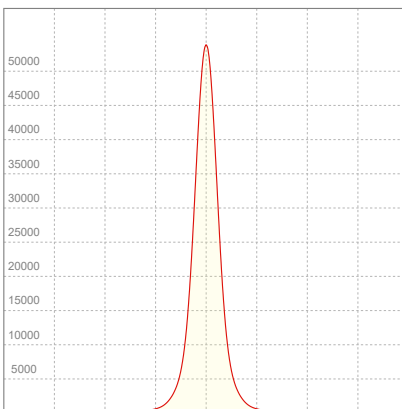
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	47,3°	72,5°	97,7%	93,7%



## 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	53800lx	13450lx	5978lx	3362lx	2152lx	956lx	538lx	239lx	134lx	86lx	60lx	34lx	22lx
Footcand.	4998fcd	1250fcd	555fcd	312fcd	200fcd	89fcd	50fcd	22fcd	12fcd	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	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,5ft	20,2ft	27ft	33,7ft	40,4ft	53,9ft	67,4ft

## LINEAR DISTRIBUTION DIAGRAM

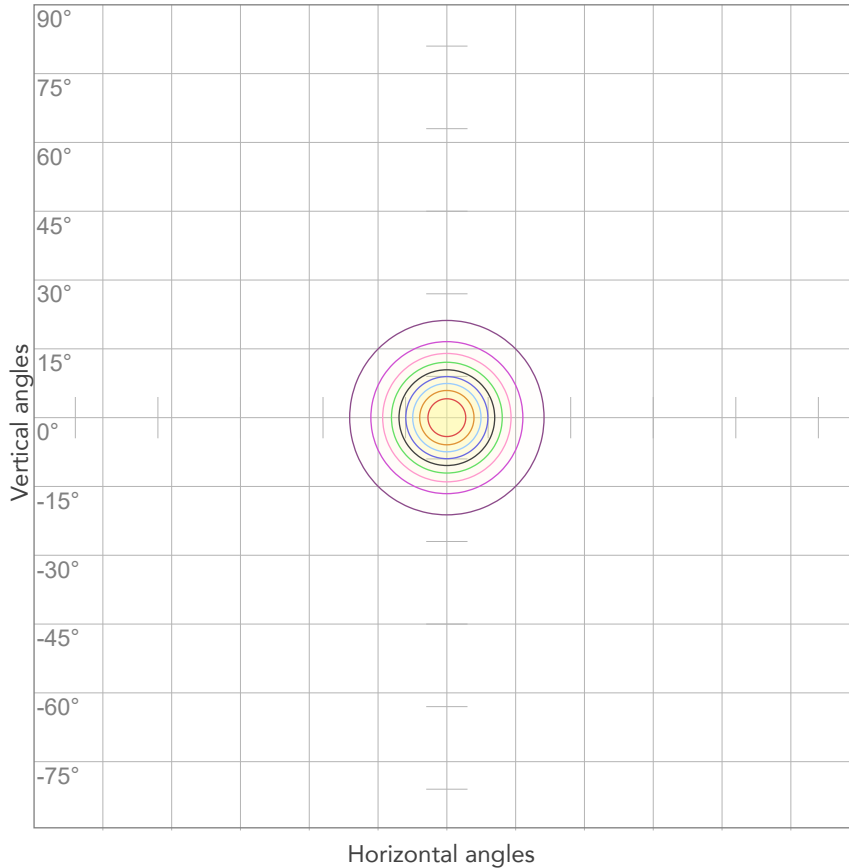


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,997A	213,7W	0,95	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



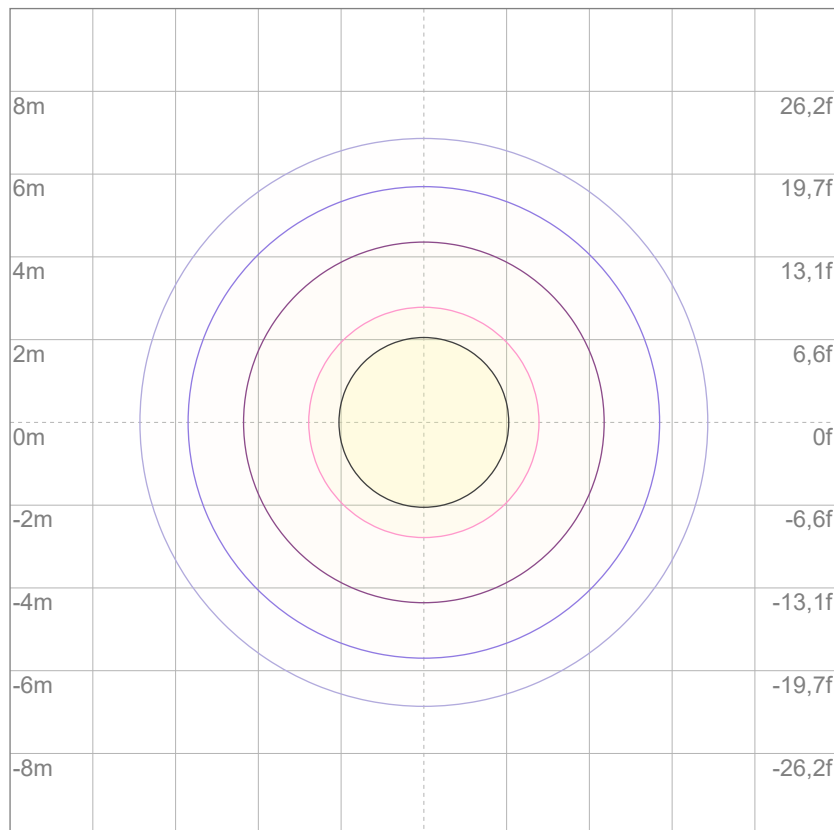
10%	5380 cd
20%	10760 cd
30%	16140 cd
40%	21520 cd
50%	26900 cd
60%	32280 cd
70%	37660 cd
80%	43040 cd

Conditions:

Number of c-planes: 2

Candela at center: 53800 cd

## ISO LUX DIAGRAM



3%	16,1 lx
5%	26,9 lx
10%	53,8 lx
30%	161 lx
50%	269 lx

Conditions:

Number of c-planes: 2

Lux at center: 538 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

12462 lm

Peak candela output:

16237 cd

Light quality:

CRI: 84,7

Color temperature:

2816 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40°Filter

Target:

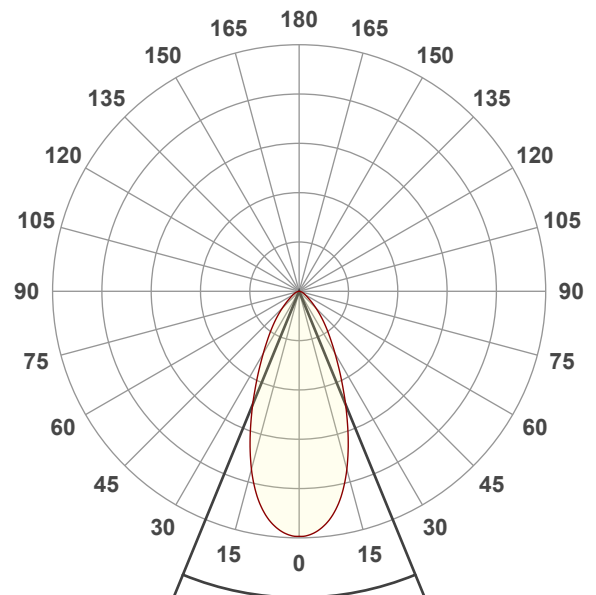
2800K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 16:51:37

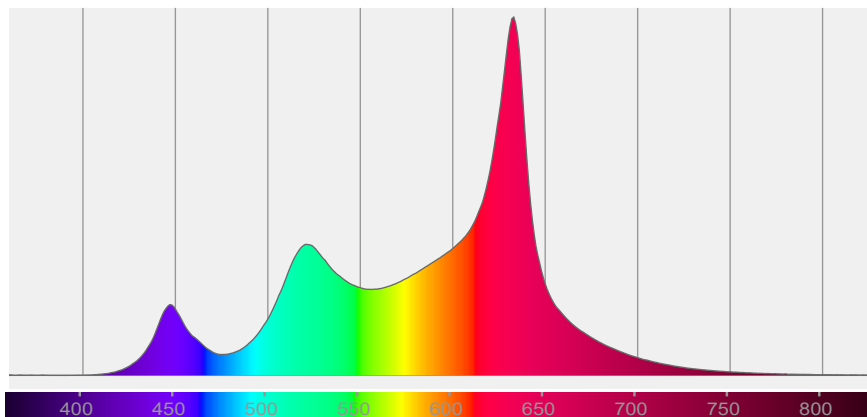


Beam angle 50%: 44,6°

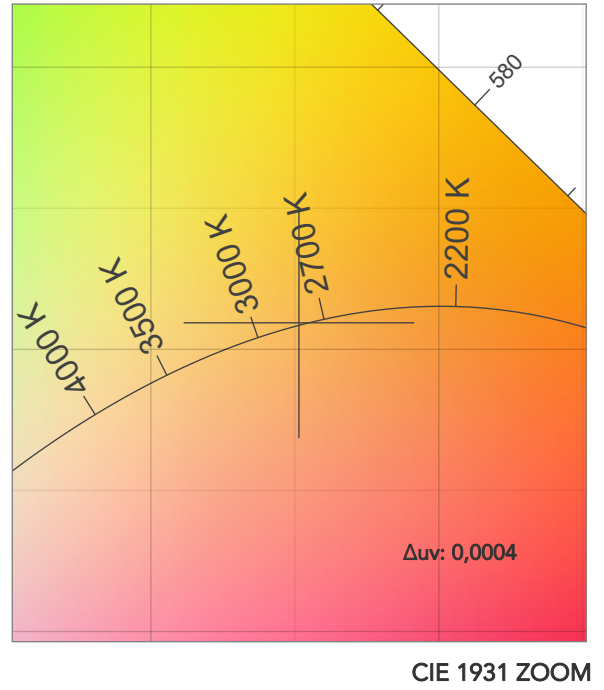
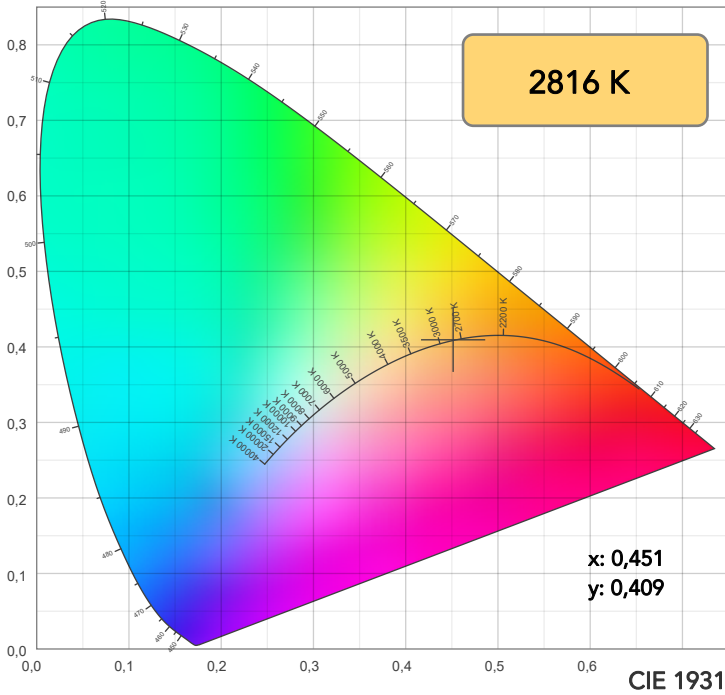
Field angle 10%: 89,4°

Cut off angle 2.5%: 124,7°

Spectra

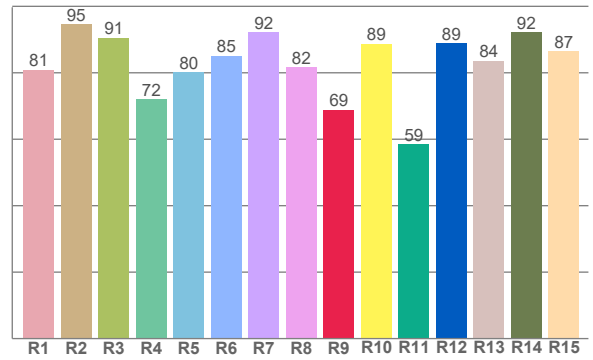
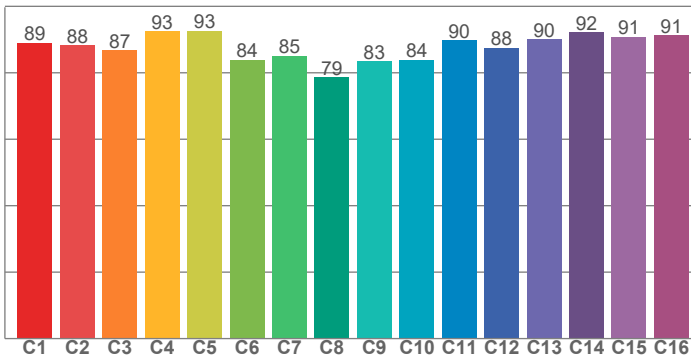


# COLOR DETAILS



TM30: 88,3

CRI: 84,7 (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
81,0	94,6	90,6	72,0	80,2	85,2	92,3	81,6	68,9	88,8	58,6	88,9	83,7	92,3	86,6

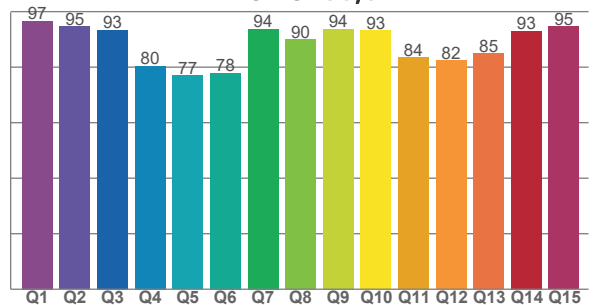
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,1	88,3	86,7	92,5	92,6	83,9	85,1	78,7	83,4	83,9	89,8	87,5	90,0	92,1	90,8	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	94,7	93,4	80,5	77,0	77,9	93,7	90,0	93,8	93,3	83,5	82,4	85,0	93,0	94,7

CQS: 86,6



## COLOR PARAMETERS

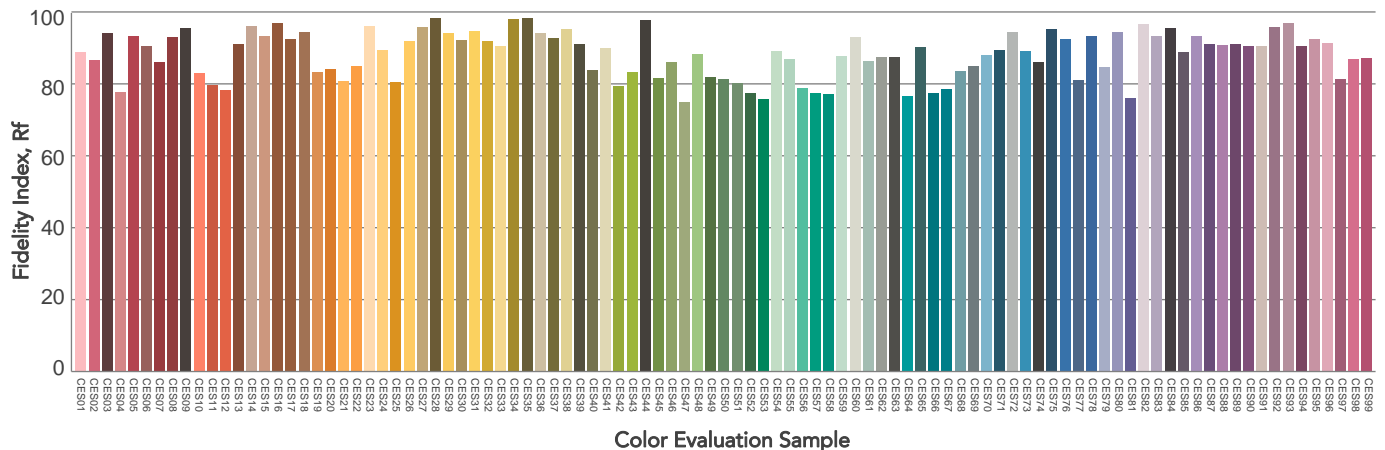
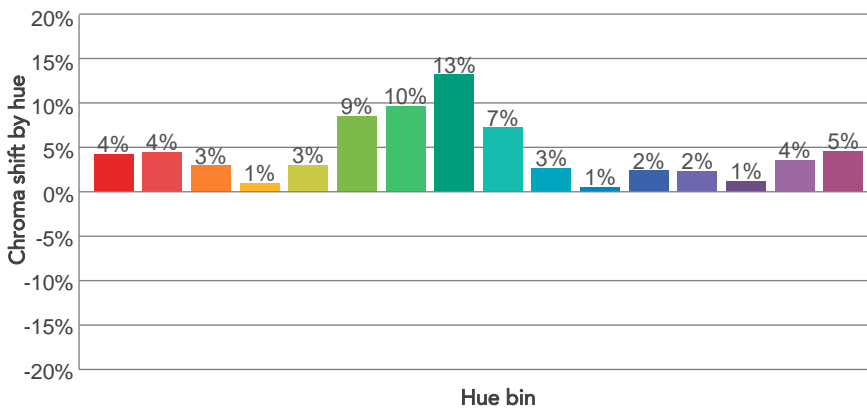
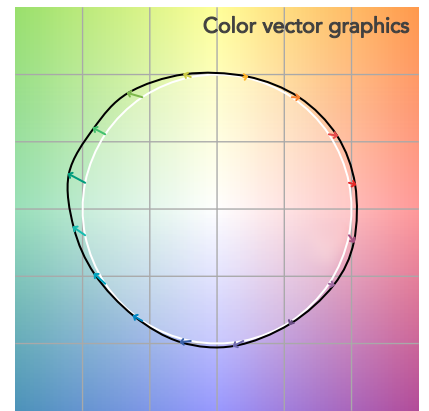
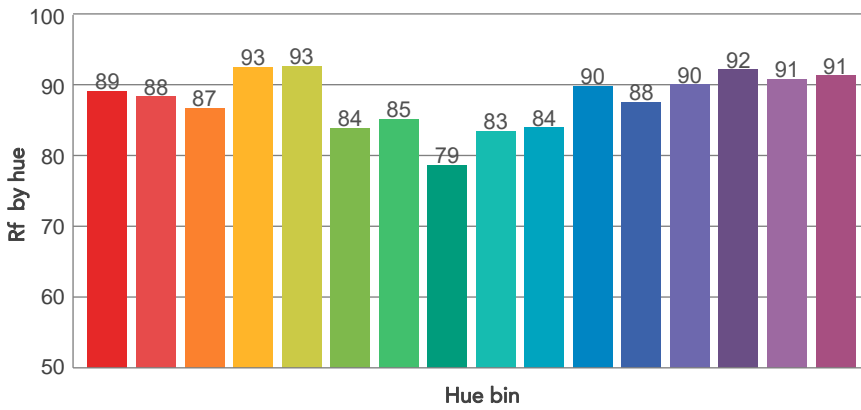
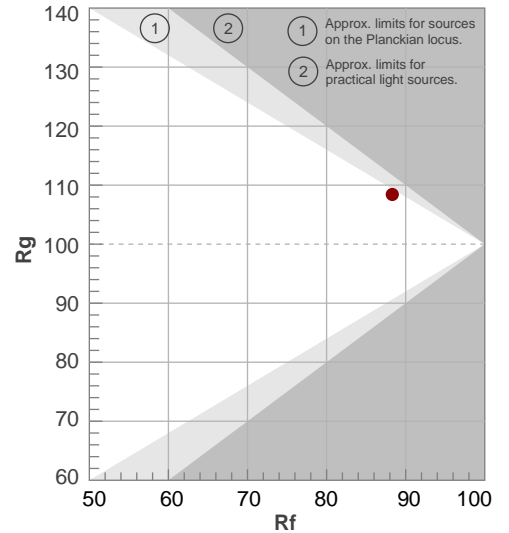
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2816 K	84,7	68,9	88,3	108,4	86,6	68	0,451	0,409	0,0004

# TM30 DETAILS

**Rf 88,3**  
Fidelity index Rf

**Rg 108,4**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	4%	-4%
3	87	3%	-5%
4	93	1%	-3%
5	93	3%	4%
6	84	9%	7%
7	85	10%	1%
8	79	13%	-4%
9	83	7%	-7%
10	84	3%	-10%
11	90	1%	-7%
12	88	2%	-7%
13	90	2%	-8%
14	92	1%	-2%
15	91	4%	1%
16	91	5%	-4%

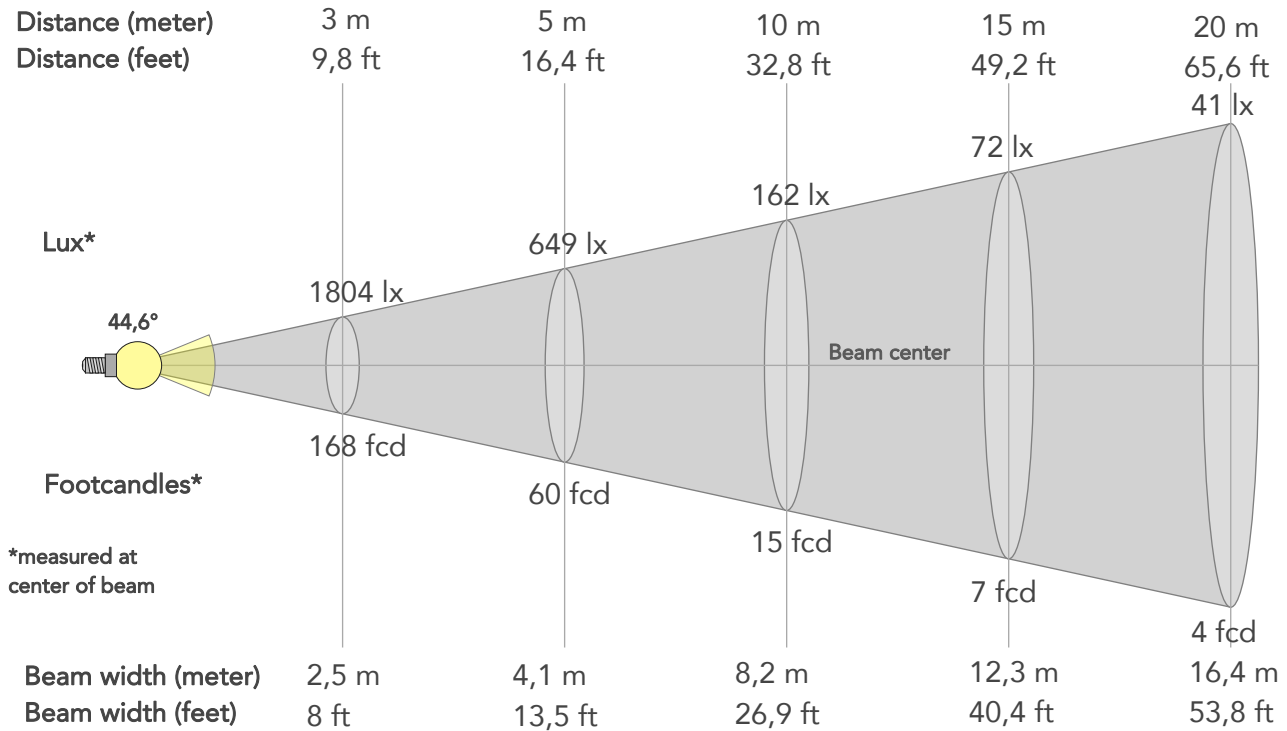




# BEAM DETAILS



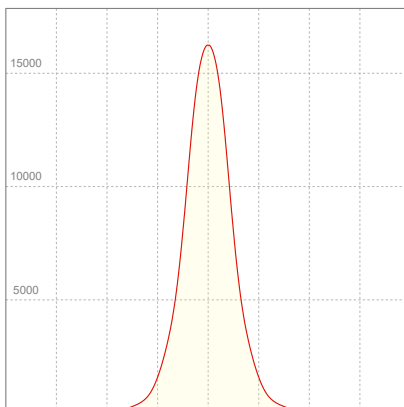
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,6°	89,4°	124,7°	95,6%	86,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16235lx	4059lx	1804lx	1015lx	649lx	289lx	162lx	72lx	41lx	26lx	18lx	10lx	6lx
Footcand.	1508fcd	377fcd	168fcd	94fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	41m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,5ft	20,2ft	26,9ft	40,4ft	53,8ft	67,3ft	80,7ft	107,6ft	134,5ft

## LINEAR DISTRIBUTION DIAGRAM

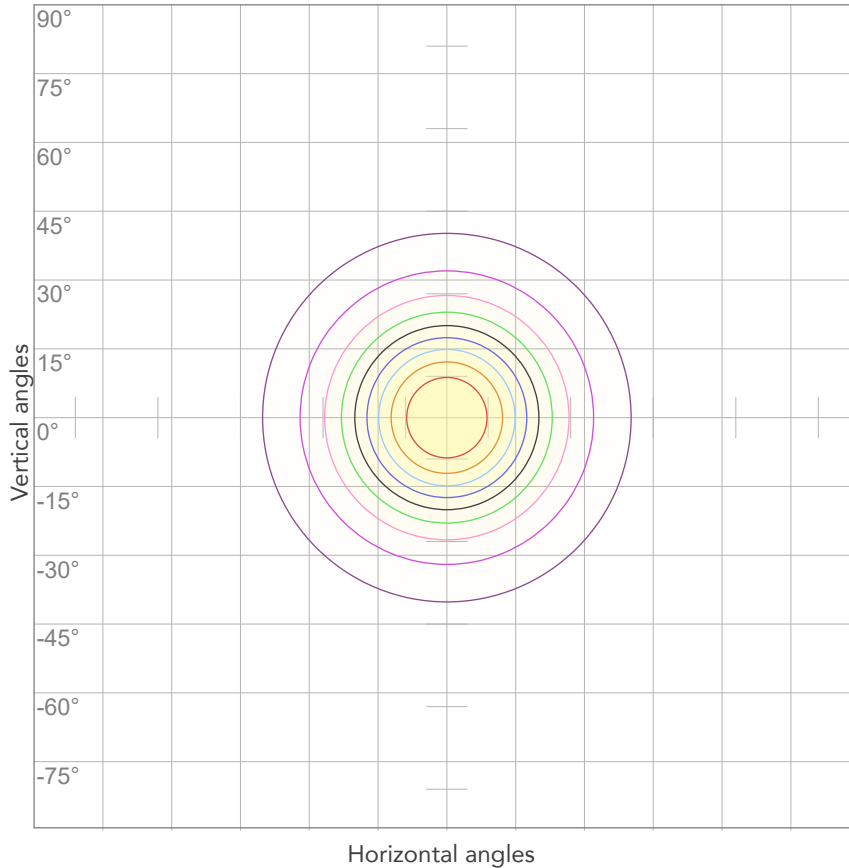


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,982A	210,4W	0,94	59lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



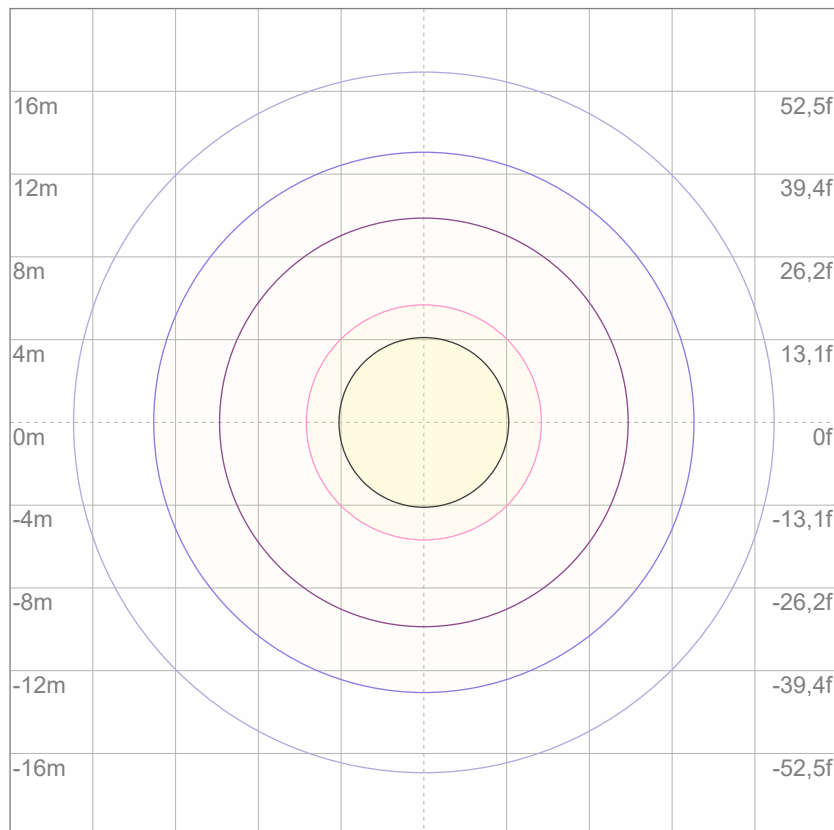
10%	1623 cd
20%	3247 cd
30%	4870 cd
40%	6494 cd
50%	8117 cd
60%	9741 cd
70%	11364 cd
80%	12988 cd

Conditions:

Number of c-planes: 2

Candela at center: 16235 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,87 lx
5%	8,12 lx
10%	16,2 lx
30%	48,7 lx
50%	81,2 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:

13149 lm

Peak candela output:

11940 cd

Light quality:

CRI: 84,5

Color temperature:

2849 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60°Filter

Target:

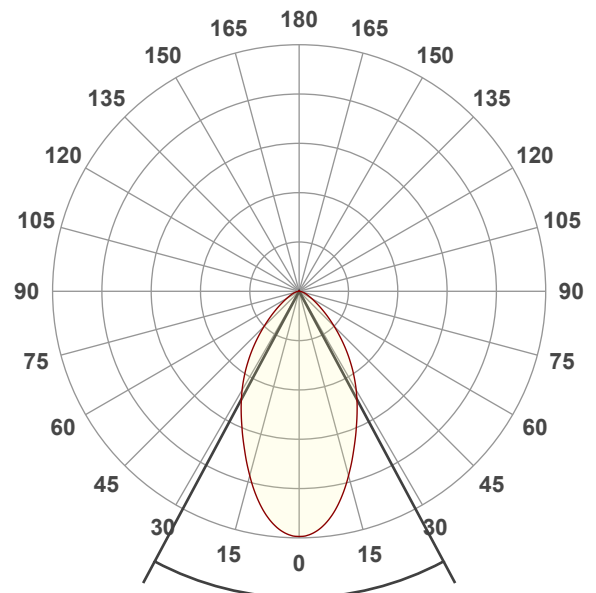
2800K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 13:10:19

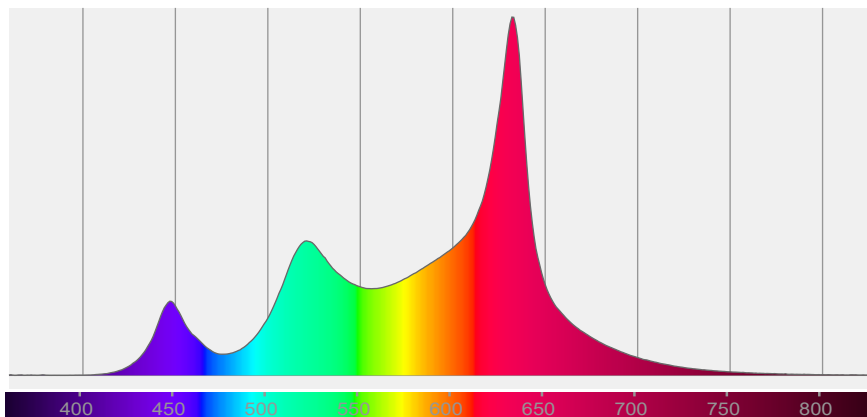


Beam angle 50%: 56,3°

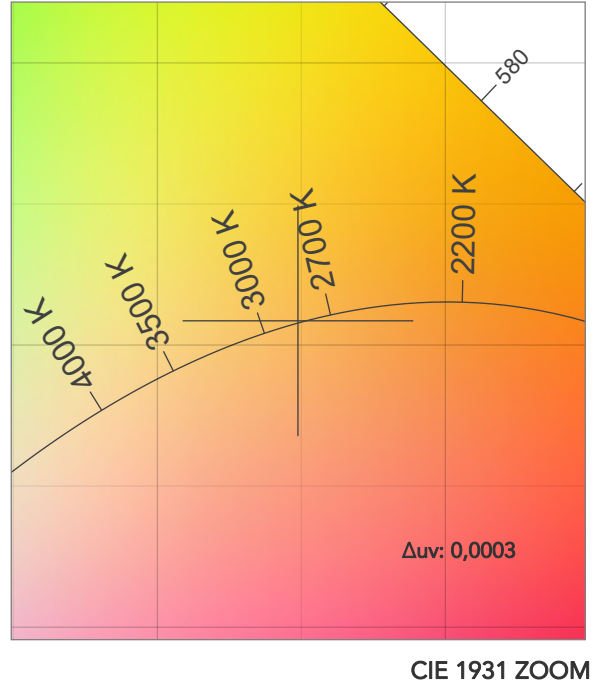
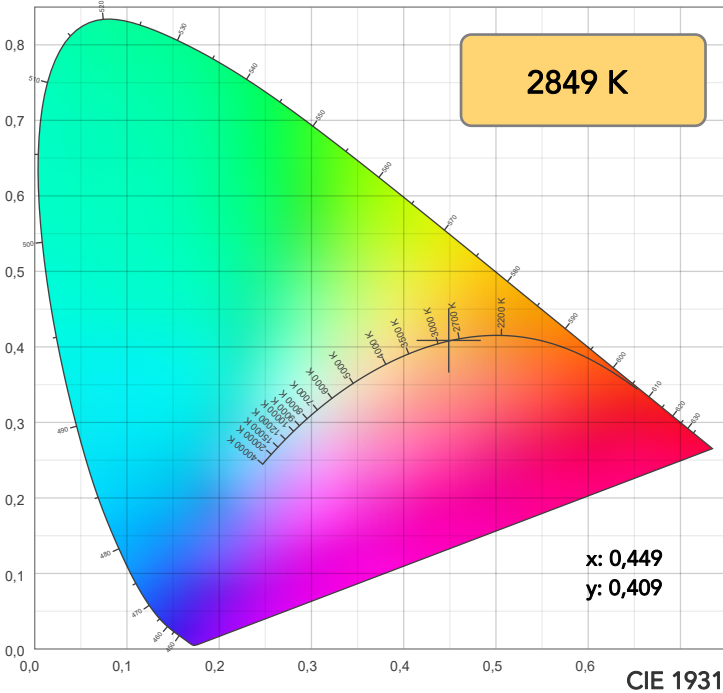
Field angle 10%: 107,6°

Cut off angle 2.5%: 142,4°

Spectra

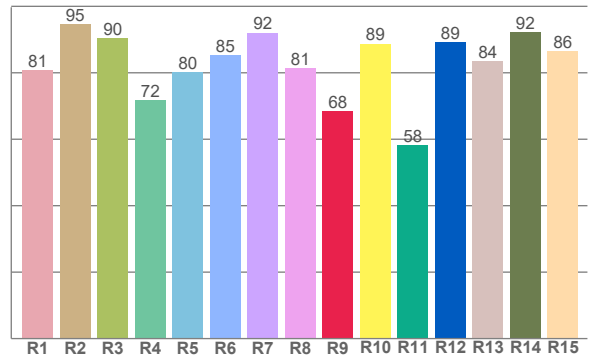
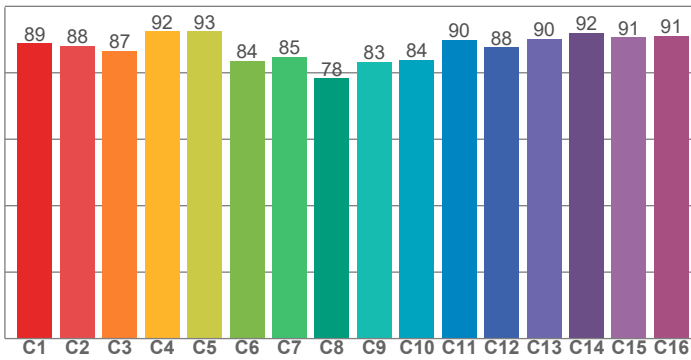


# COLOR DETAILS



TM30: 88,2

CRI: 84,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
80,7	94,7	90,5	71,7	80,1	85,2	92,1	81,4	68,4	88,8	58,2	89,3	83,5	92,3	86,4

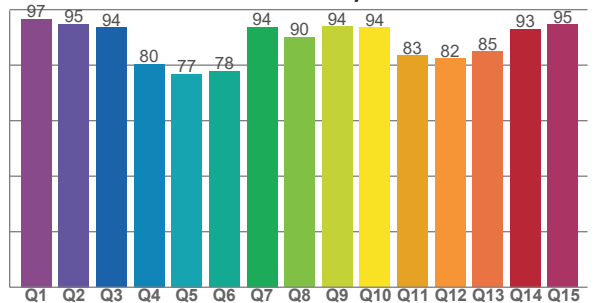
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,9	88,2	86,6	92,4	92,5	83,7	84,8	78,4	83,3	83,9	90,0	87,7	90,2	92,1	90,6	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	94,9	93,6	80,5	76,9	77,8	93,7	90,1	93,8	93,5	83,5	82,3	84,9	93,0	94,7

CQS: 86,5



## COLOR PARAMETERS

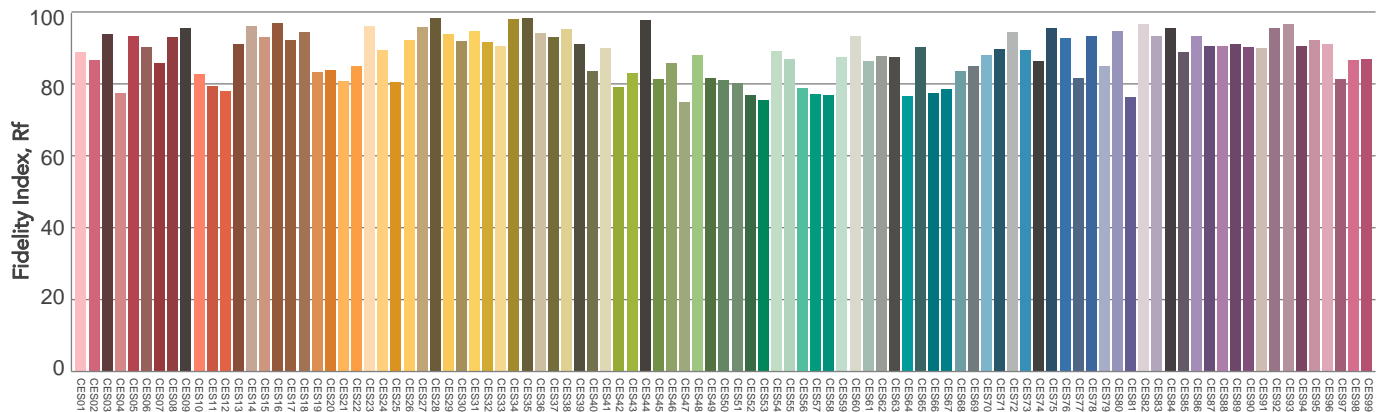
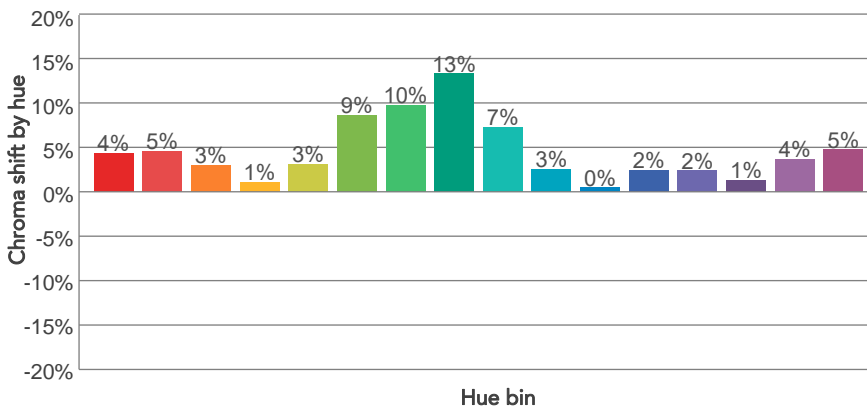
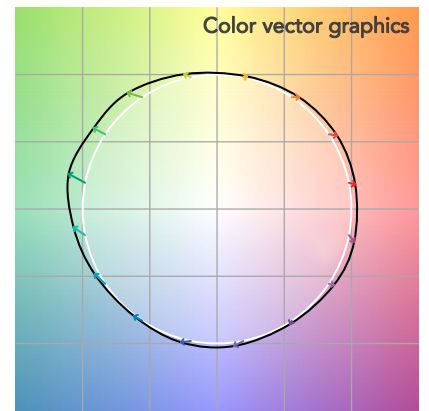
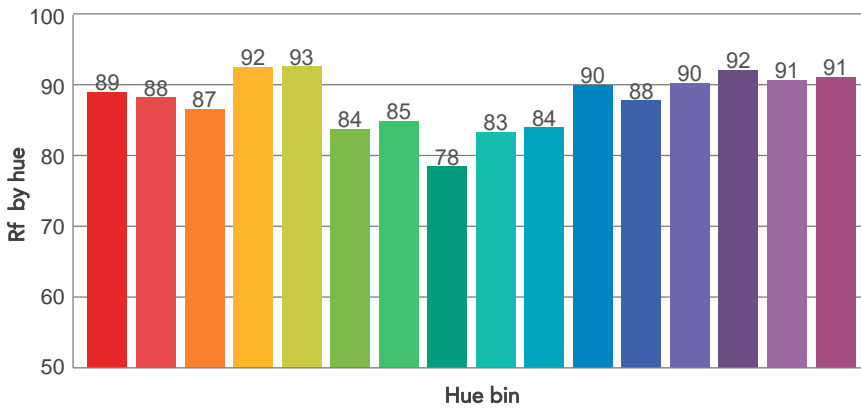
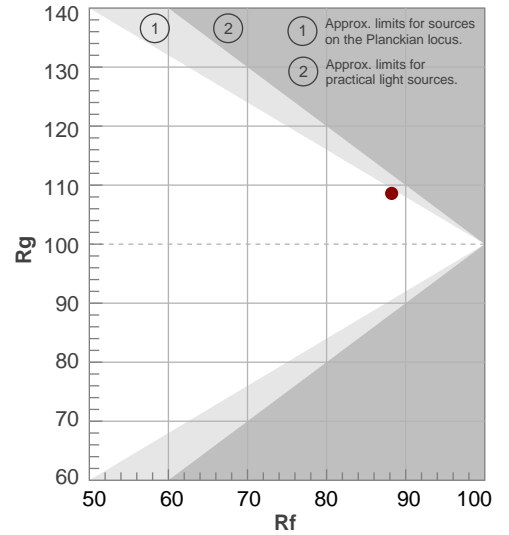
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2849 K	84,5	68,4	88,2	108,6	86,5	67	0,449	0,409	0,0003

# TM30 DETAILS

**Rf 88,2**  
Fidelity index Rf

**Rg 108,6**  
Gammut index

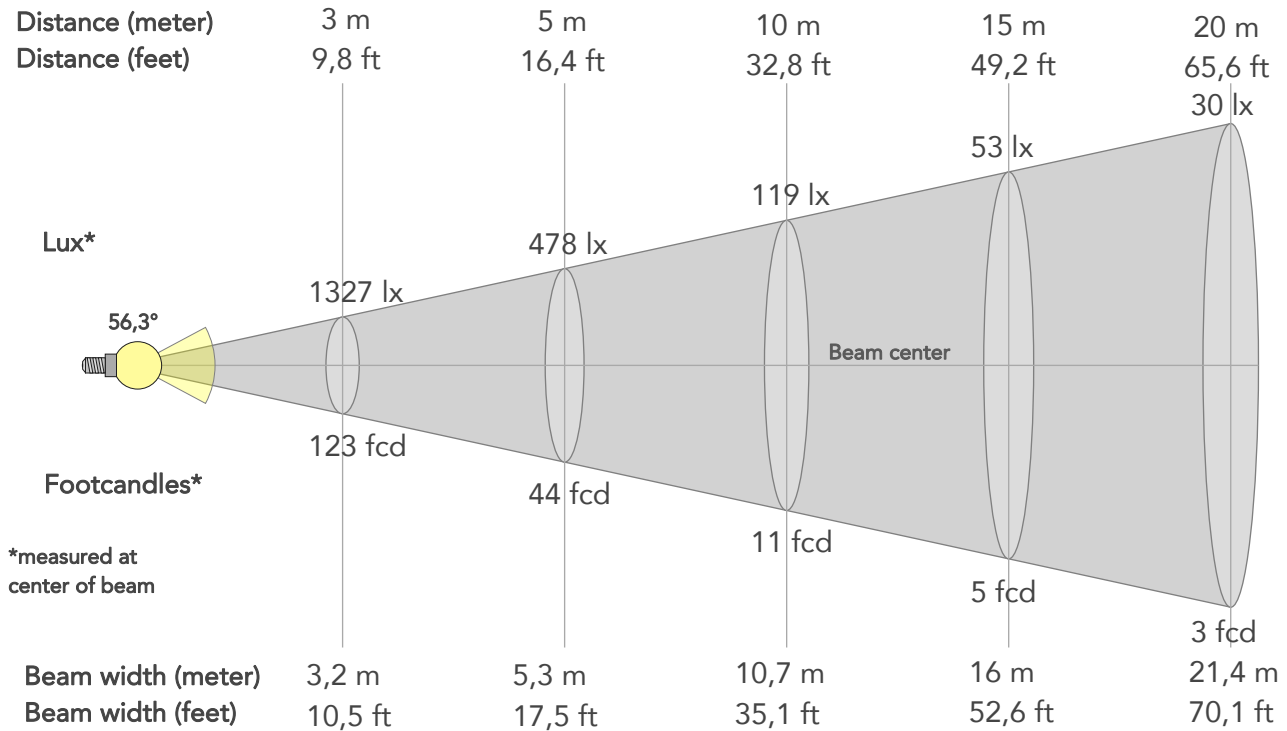
		Graphic shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	87	3%	-5%
4	92	1%	-3%
5	93	3%	4%
6	84	9%	7%
7	85	10%	1%
8	78	13%	-4%
9	83	7%	-7%
10	84	3%	-10%
11	90	0%	-7%
12	88	2%	-7%
13	90	2%	-7%
14	92	1%	-2%
15	91	4%	1%
16	91	5%	-4%



# BEAM DETAILS



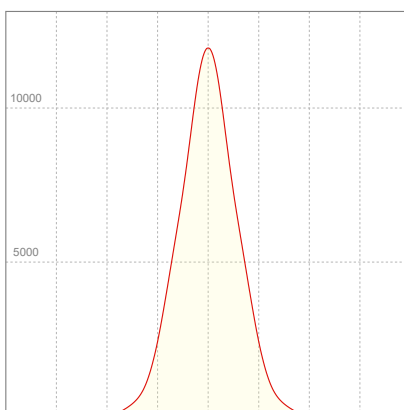
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,3°	107,6°	142,4°	94,1%	80,4%



## 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	11940lx	2985lx	1327lx	746lx	478lx	212lx	119lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1109fcd	277fcd	123fcd	69fcd	44fcd	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	32,1m	42,8m	53,5m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,5ft	26,3ft	35,1ft	52,6ft	70,1ft	87,7ft	105,2ft	140,3ft	175,4ft

## LINEAR DISTRIBUTION DIAGRAM

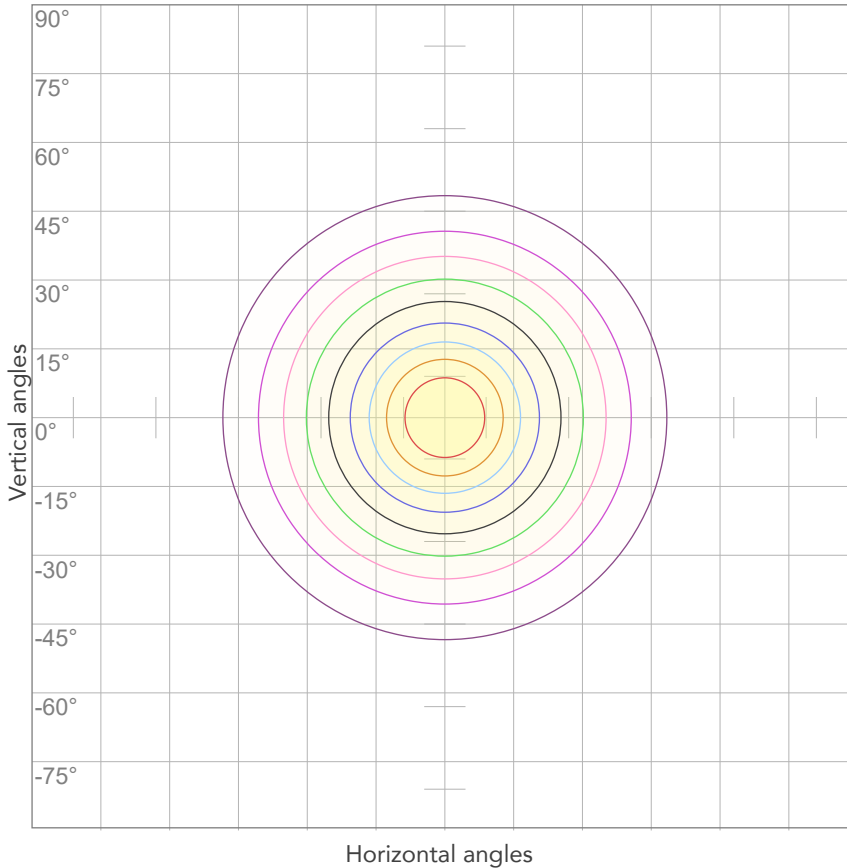


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,983A	211,9W	0,94	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



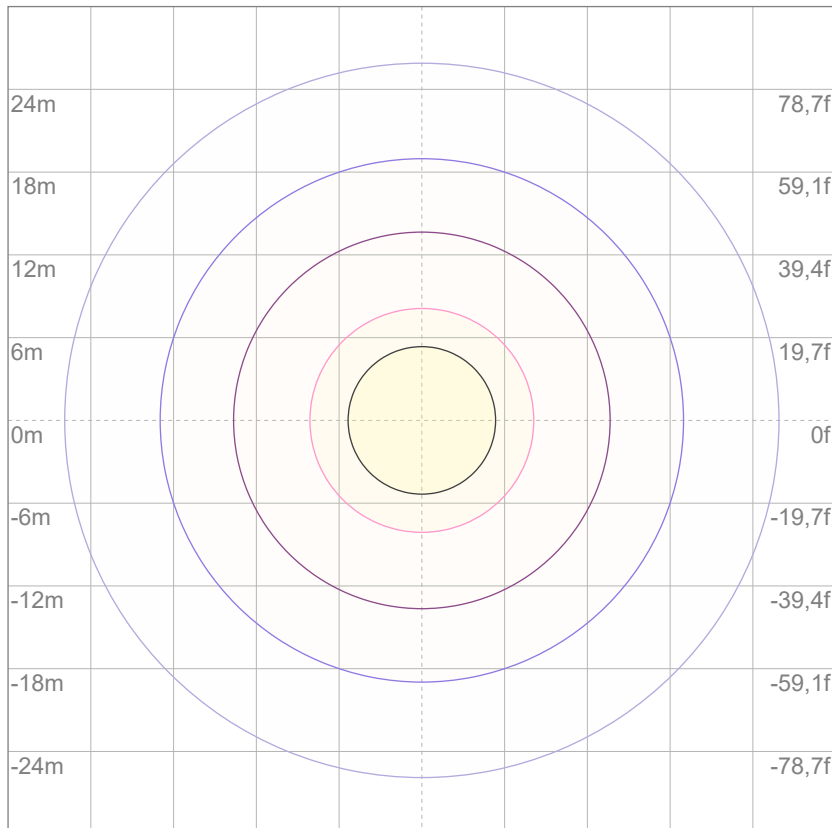
10%	1194 cd
20%	2388 cd
30%	3582 cd
40%	4776 cd
50%	5970 cd
60%	7164 cd
70%	8358 cd
80%	9552 cd

### Conditions:

Number of c-planes: 2

Candela at center: 11940 cd

## ISO LUX DIAGRAM



3%	3,58 lx
5%	5,97 lx
10%	11,9 lx
30%	35,8 lx
50%	59,7 lx

### Conditions:

Number of c-planes: 2

Lux at center: 119 lx

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



Total lumen output:

14877 lm

Peak candela output:

41156 cd

Light quality:

CRI: 84,2

Color temperature:

2827 K

PRODUCT NAME:

ARCSPOTXLFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60°Filter

Target:

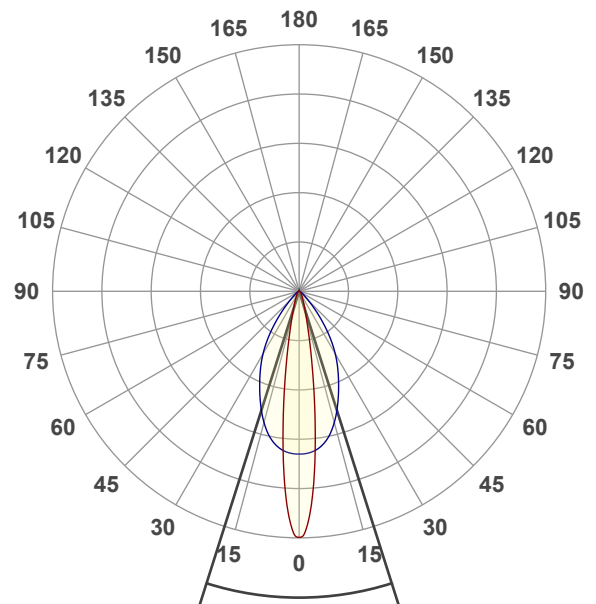
2800K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 10:56:02

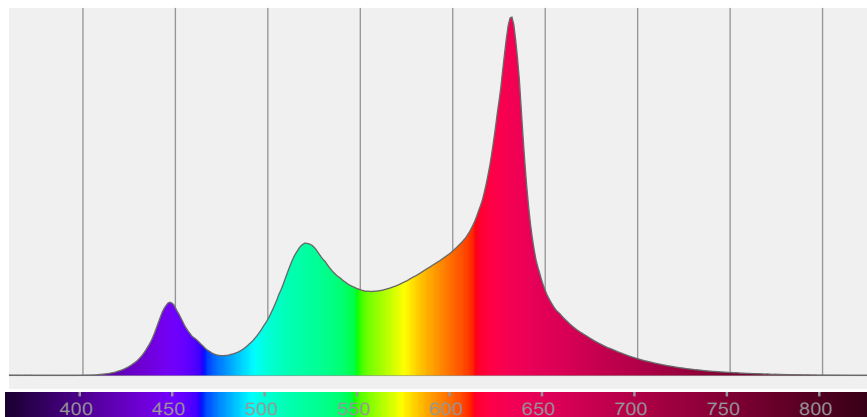


Beam angle 50%: 35,2°

Field angle 10%: 59,7°

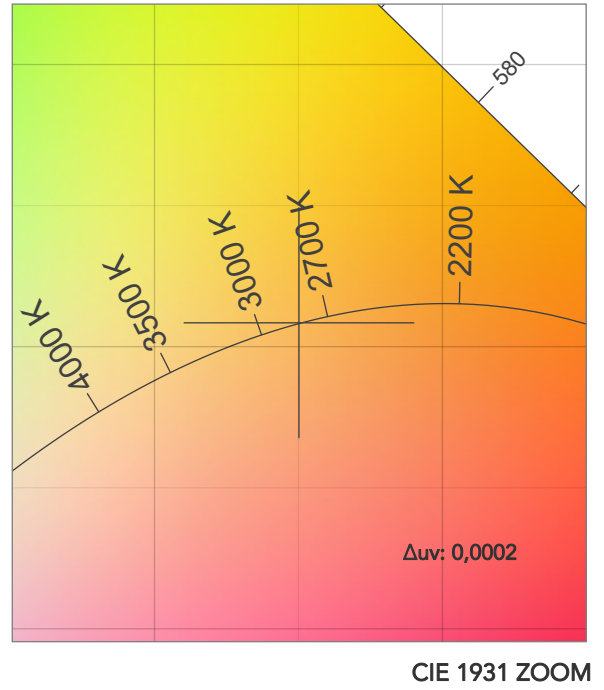
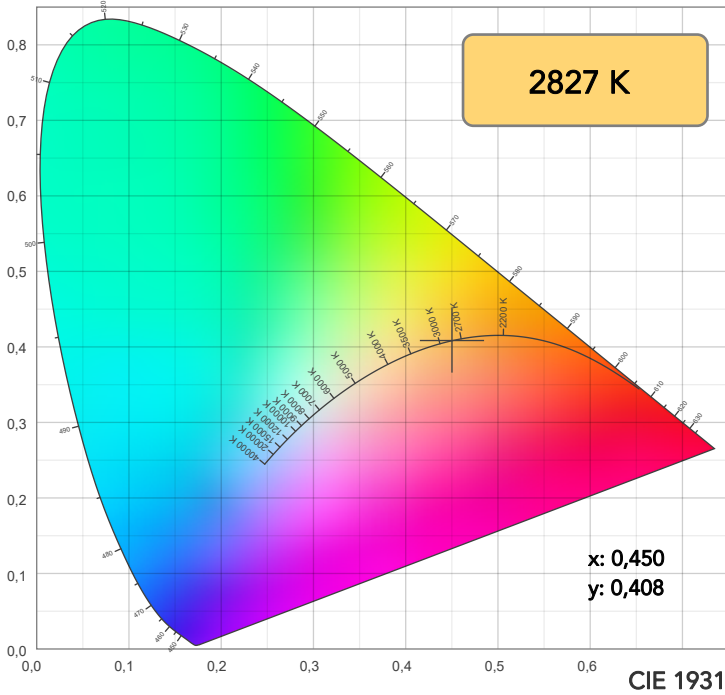
Cut off angle 2.5%: 84,5°

Spectra



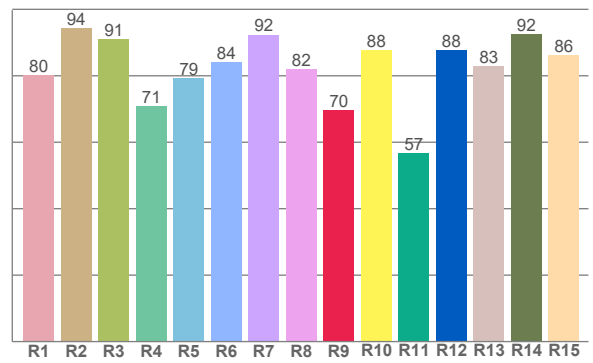
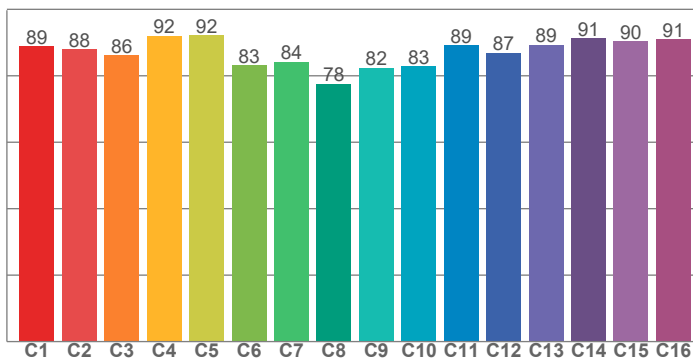


# COLOR DETAILS



TM30: 87,7

CRI: 84,2 (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
80,1	94,2	90,9	70,8	79,3	84,0	92,4	81,9	69,7	87,7	56,7	87,6	82,9	92,4	86,2

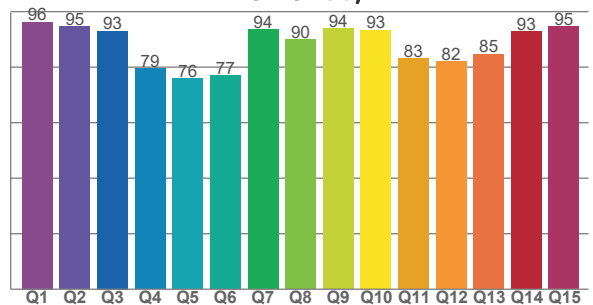
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,8	87,9	86,1	92,1	92,2	83,1	84,2	77,5	82,5	82,9	89,1	86,9	89,3	91,4	90,4	91,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	94,6	93,0	79,4	75,9	76,9	93,6	89,9	94,0	93,4	83,1	82,0	84,7	92,8	94,7

CQS: 86,1



## COLOR PARAMETERS

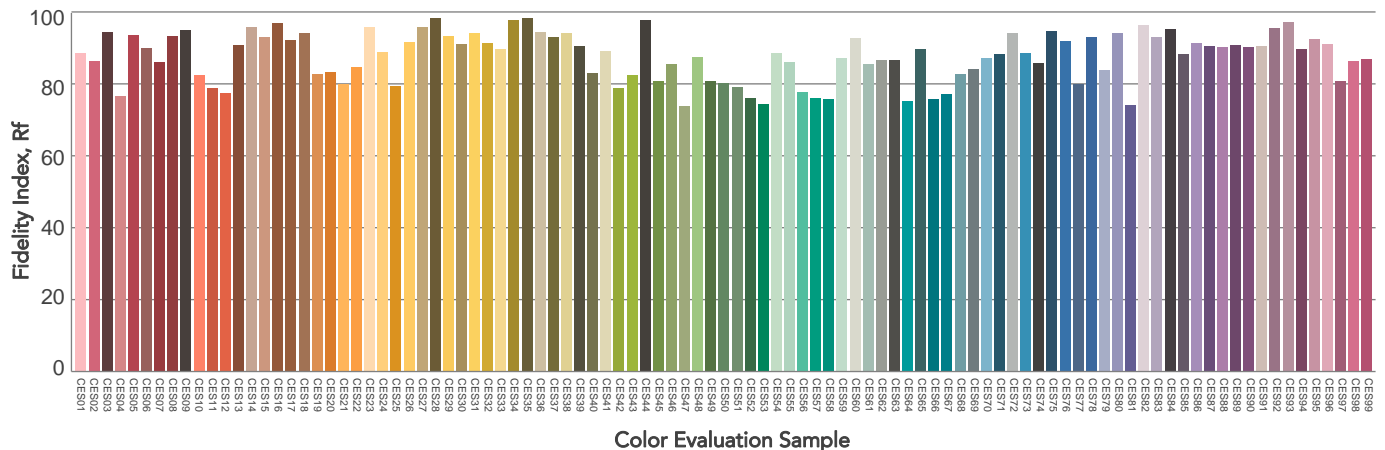
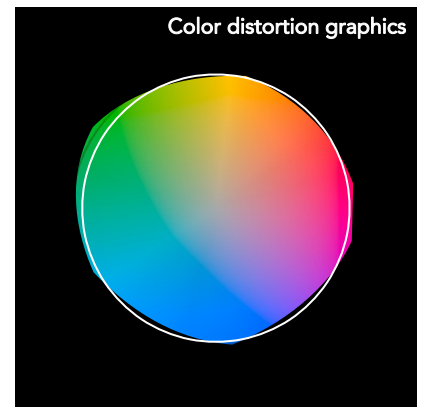
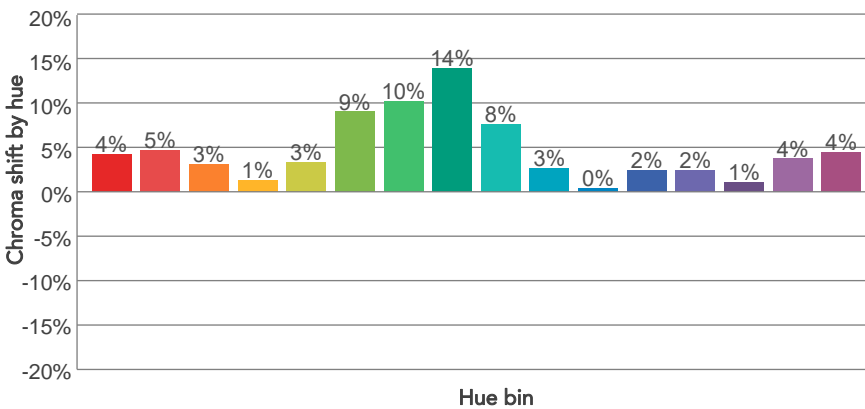
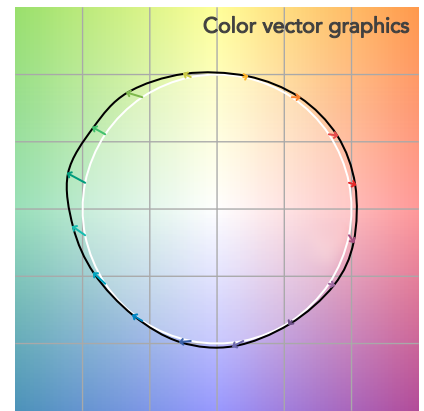
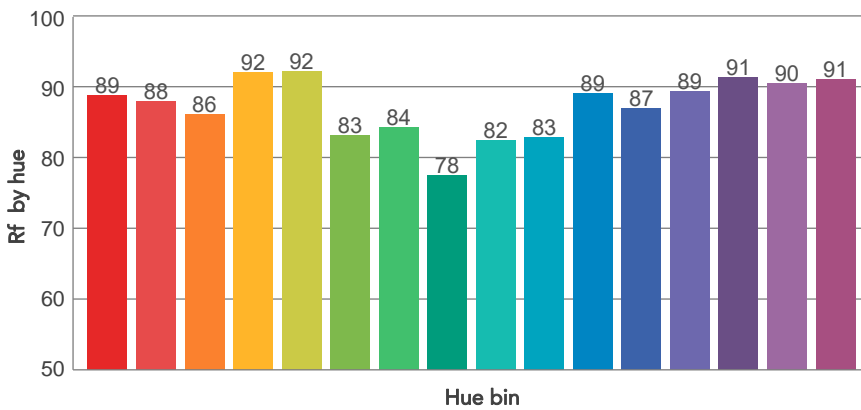
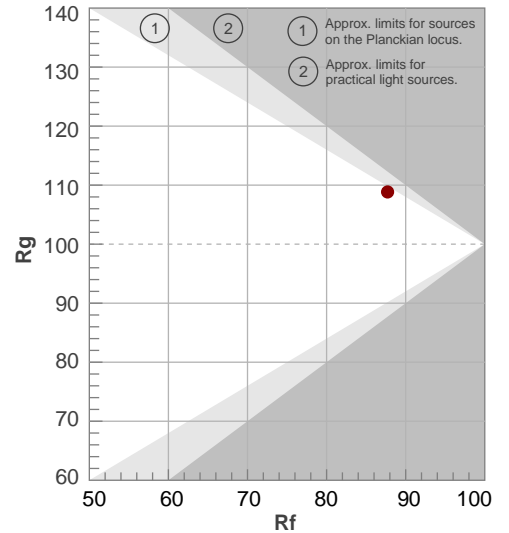
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2827 K	84,2	69,7	87,7	108,8	86,1	65	0,450	0,408	0,0002

# TM30 DETAILS

**Rf 87,7**  
Fidelity index Rf

**Rg 108,8**  
Gammut index

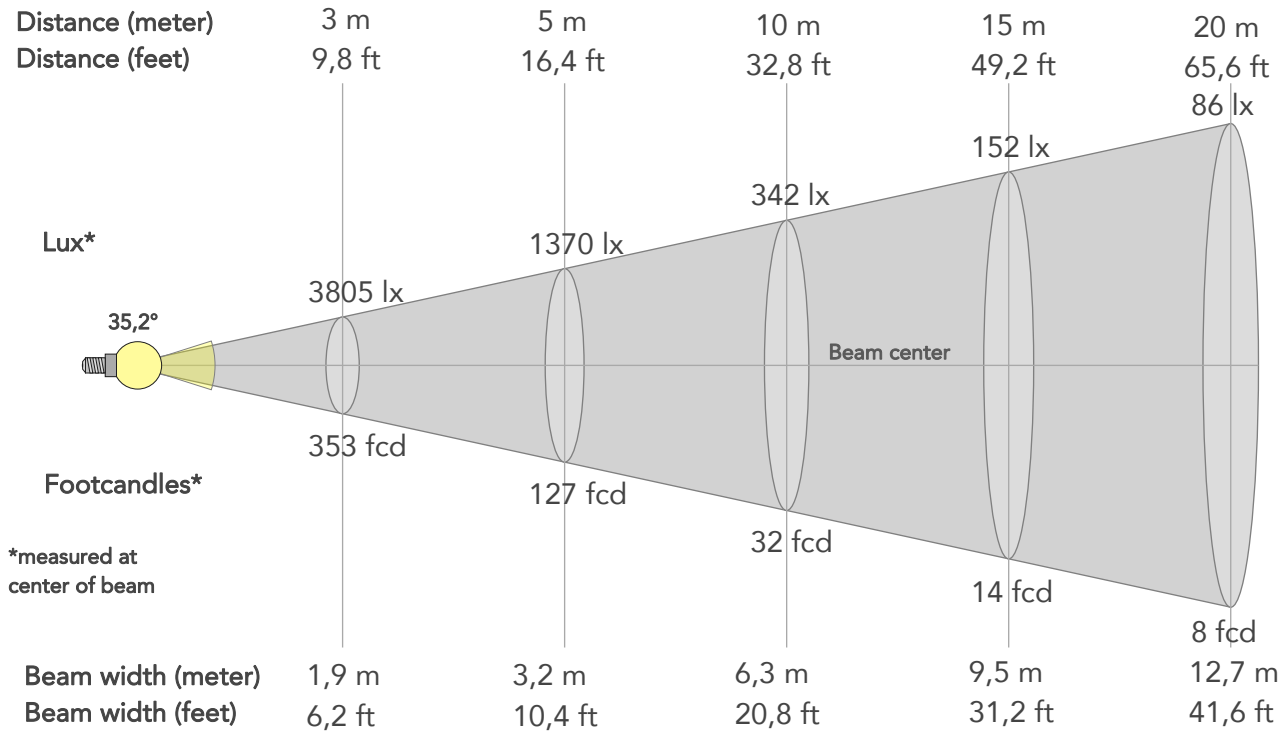
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	86	3%	-5%
4	92	1%	-3%
5	92	3%	4%
6	83	9%	7%
7	84	10%	1%
8	78	14%	-4%
9	82	8%	-8%
10	83	3%	-11%
11	89	0%	-8%
12	87	2%	-8%
13	89	2%	-8%
14	91	1%	-3%
15	90	4%	1%
16	91	4%	-4%



# BEAM DETAILS



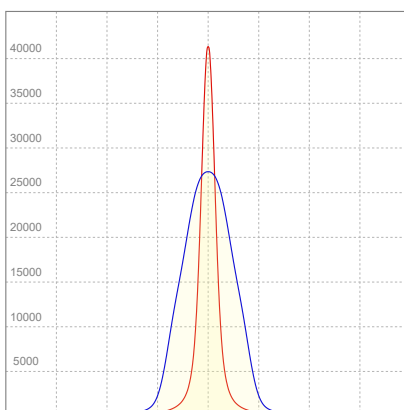
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,2°	59,7°	84,5°	97,5%	91,8%



## 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	34245lx	8561lx	3805lx	2140lx	1370lx	609lx	342lx	152lx	86lx	55lx	38lx	21lx	14lx
Footcand.	3181fcd	795fcd	353fcd	199fcd	127fcd	57fcd	32fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,8m	6,3m	9,5m	12,7m	15,9m	19m	25,4m	31,7m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,6ft	20,8ft	31,2ft	41,6ft	52ft	62,4ft	83,2ft	104ft

## LINEAR DISTRIBUTION DIAGRAM

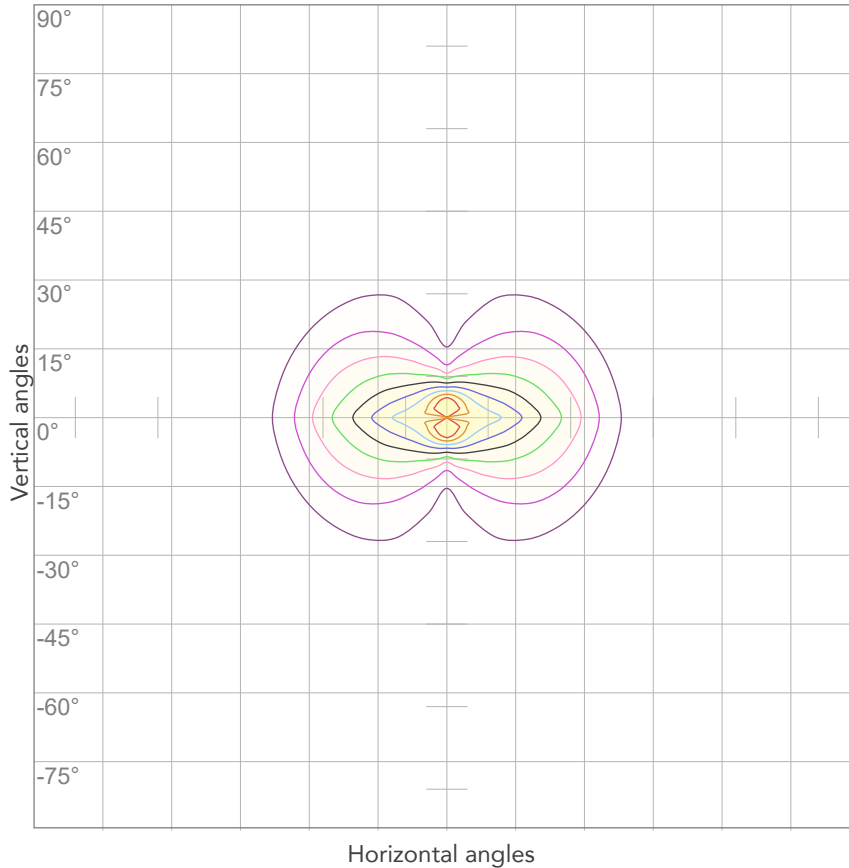


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,994A	214,8W	0,95	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



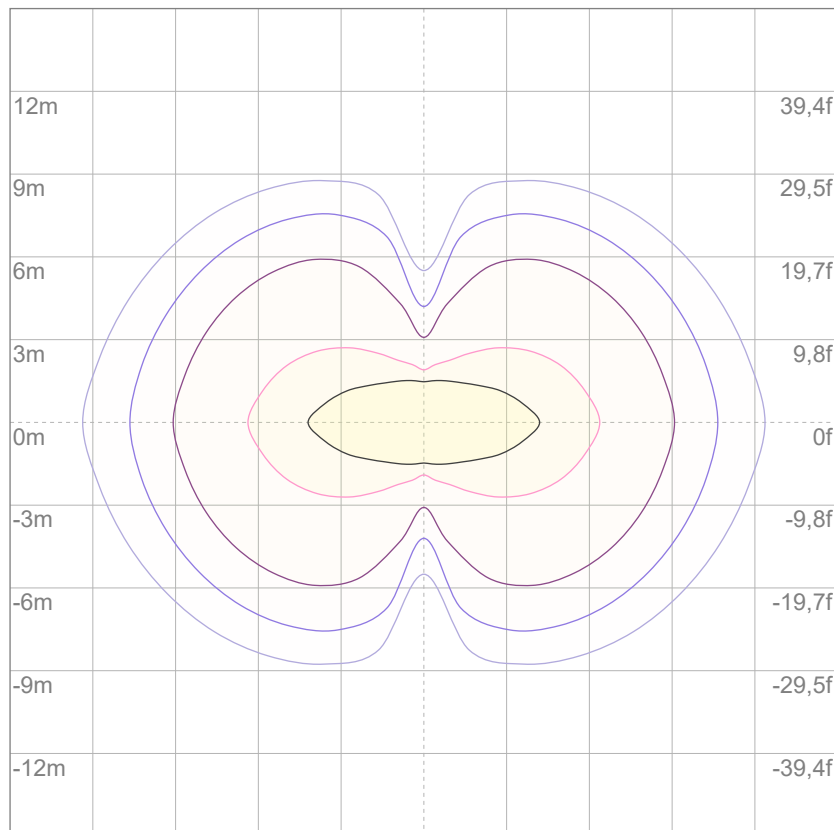
10%	3424 cd
20%	6849 cd
30%	10273 cd
40%	13698 cd
50%	17122 cd
60%	20547 cd
70%	23971 cd
80%	27396 cd

Conditions:

Number of c-planes: 4

Candela at center: 34245 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	10,3 lx
5%	17,1 lx
10%	34,2 lx
30%	103 lx
50%	171 lx

Conditions:

Number of c-planes: 4

Lux at center: 342 lx

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



Total lumen output:

13332 lm

Peak candela output:

20280 cd

Light quality:

CRI: 84,6

Color temperature:

2845 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

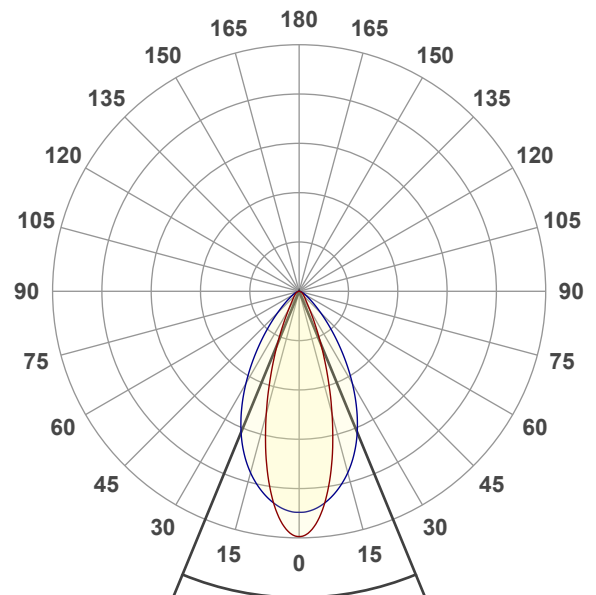
2800K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 14:06:15

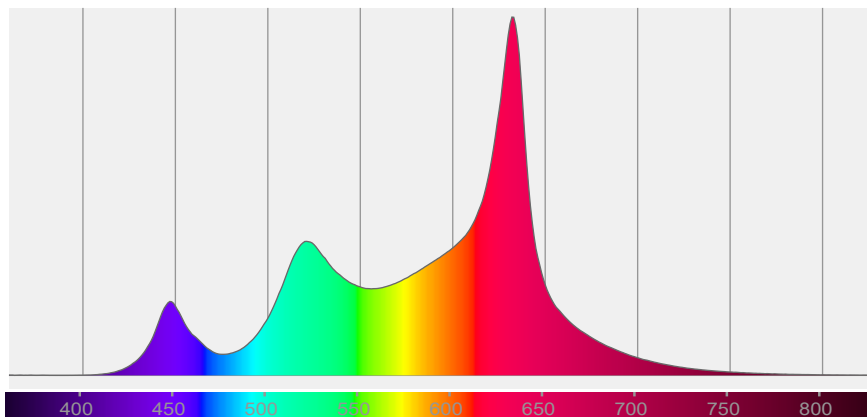


Beam angle 50%: 44,8°

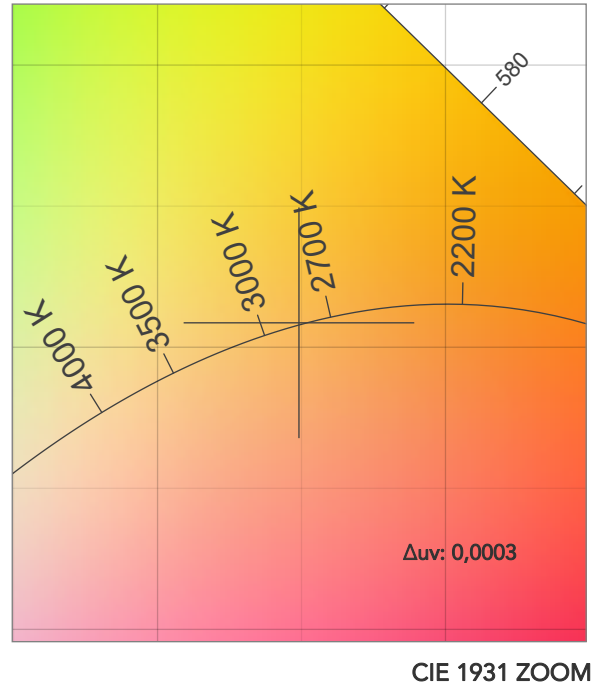
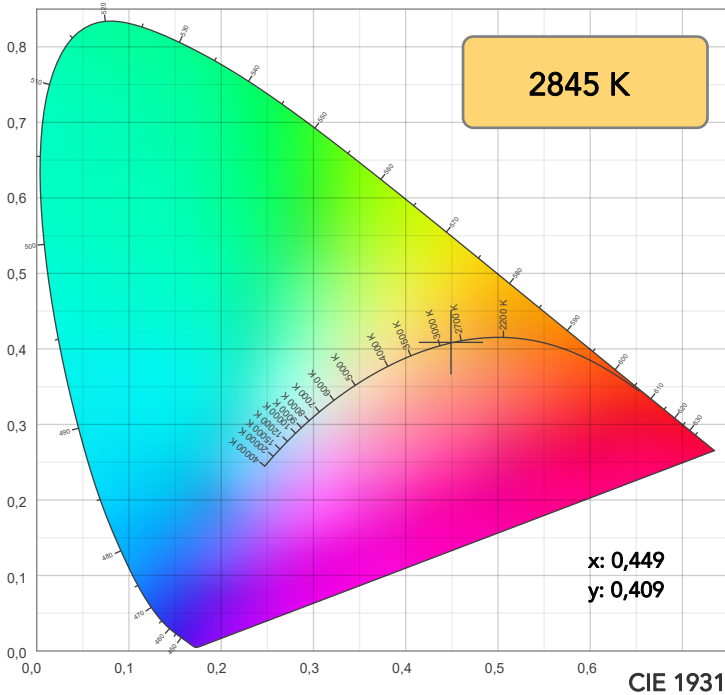
Field angle 10%: 77°

Cut off angle 2.5%: 112°

Spectra

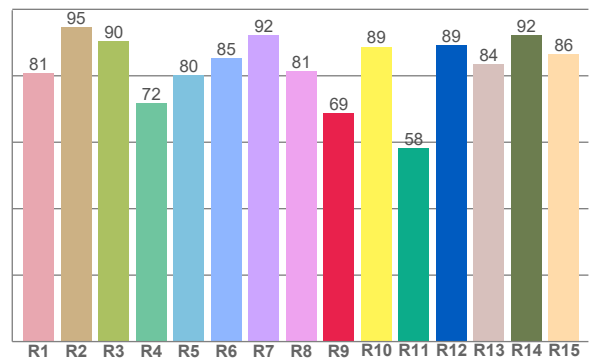
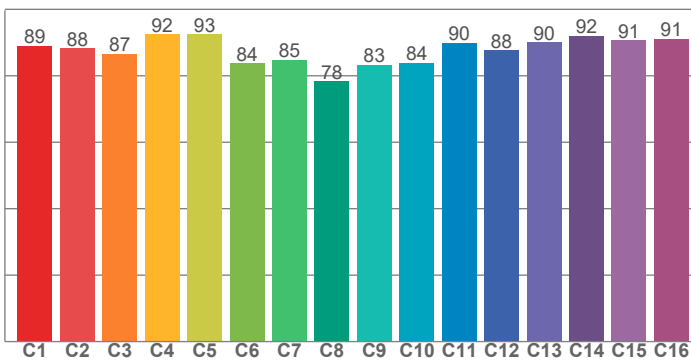


# COLOR DETAILS



TM30: 88,2

CRI: 84,6 (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
80,8	94,7	90,5	71,7	80,1	85,2	92,1	81,5	68,7	88,8	58,2	89,2	83,5	92,3	86,5

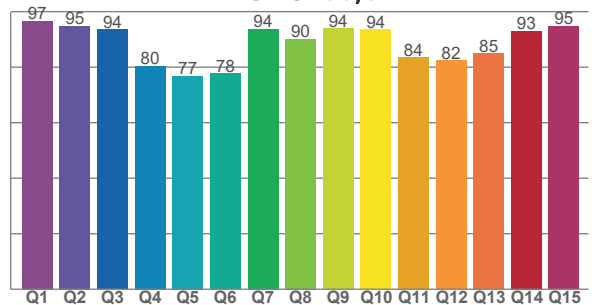
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,0	88,2	86,6	92,4	92,5	83,7	84,8	78,4	83,3	83,9	90,0	87,7	90,1	92,0	90,6	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	94,9	93,6	80,5	76,9	77,8	93,7	90,1	93,9	93,5	83,5	82,4	84,9	93,0	94,7

CQS: 86,6



## COLOR PARAMETERS

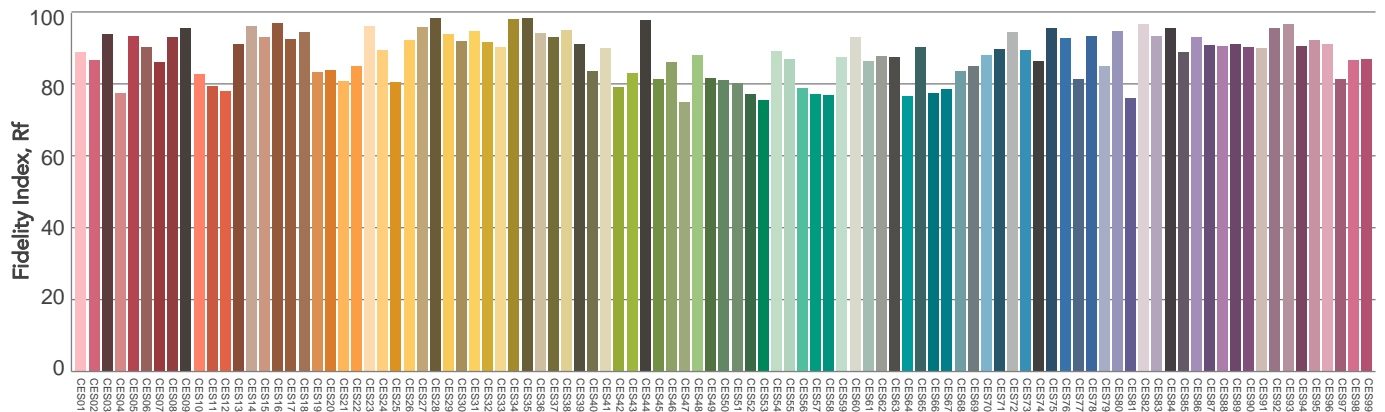
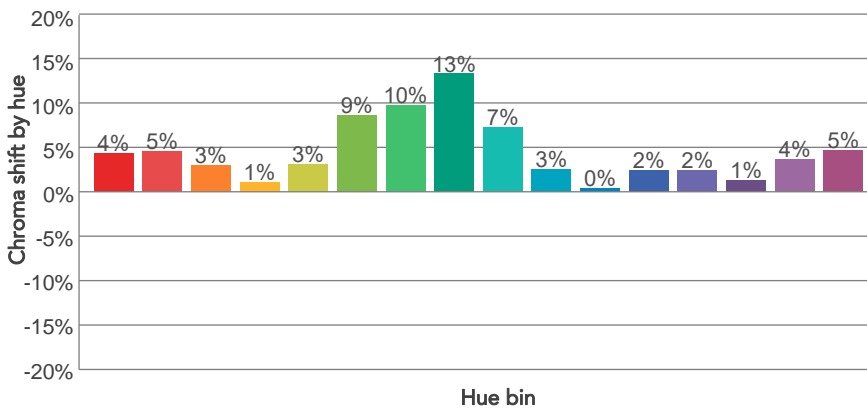
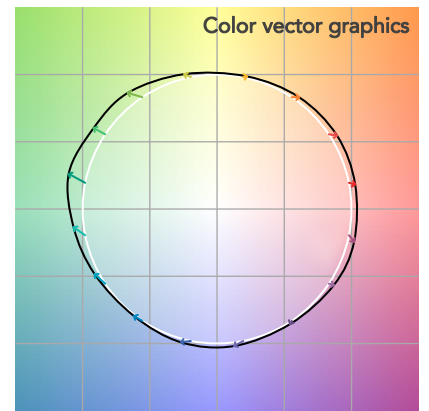
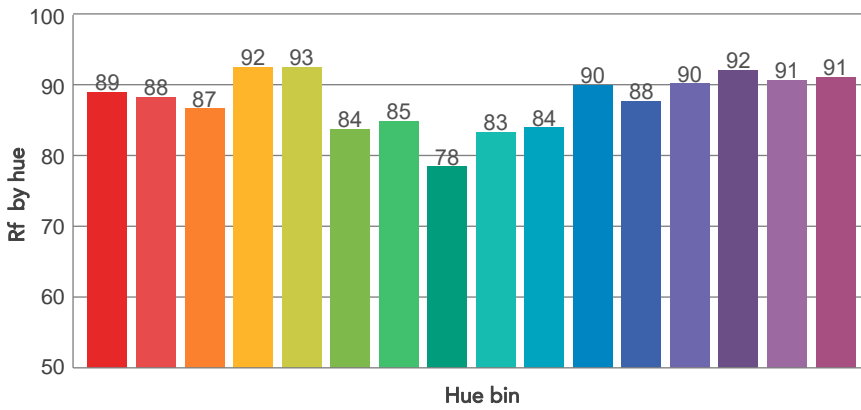
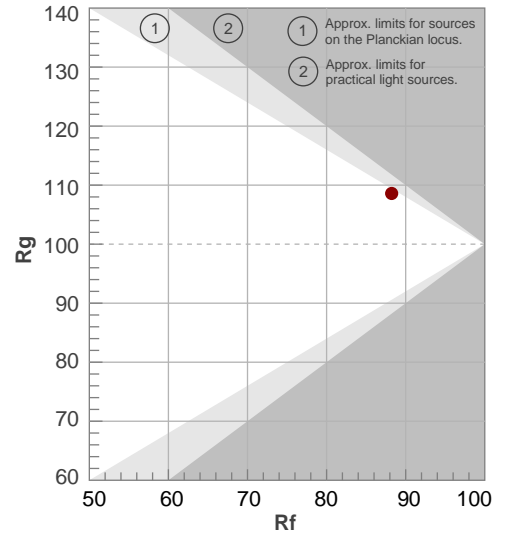
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2845 K	84,6	68,7	88,2	108,6	86,6	67	0,449	0,409	0,0003

# TM30 DETAILS

**Rf 88,2**  
Fidelity index Rf

**Rg 108,6**  
Gammut index

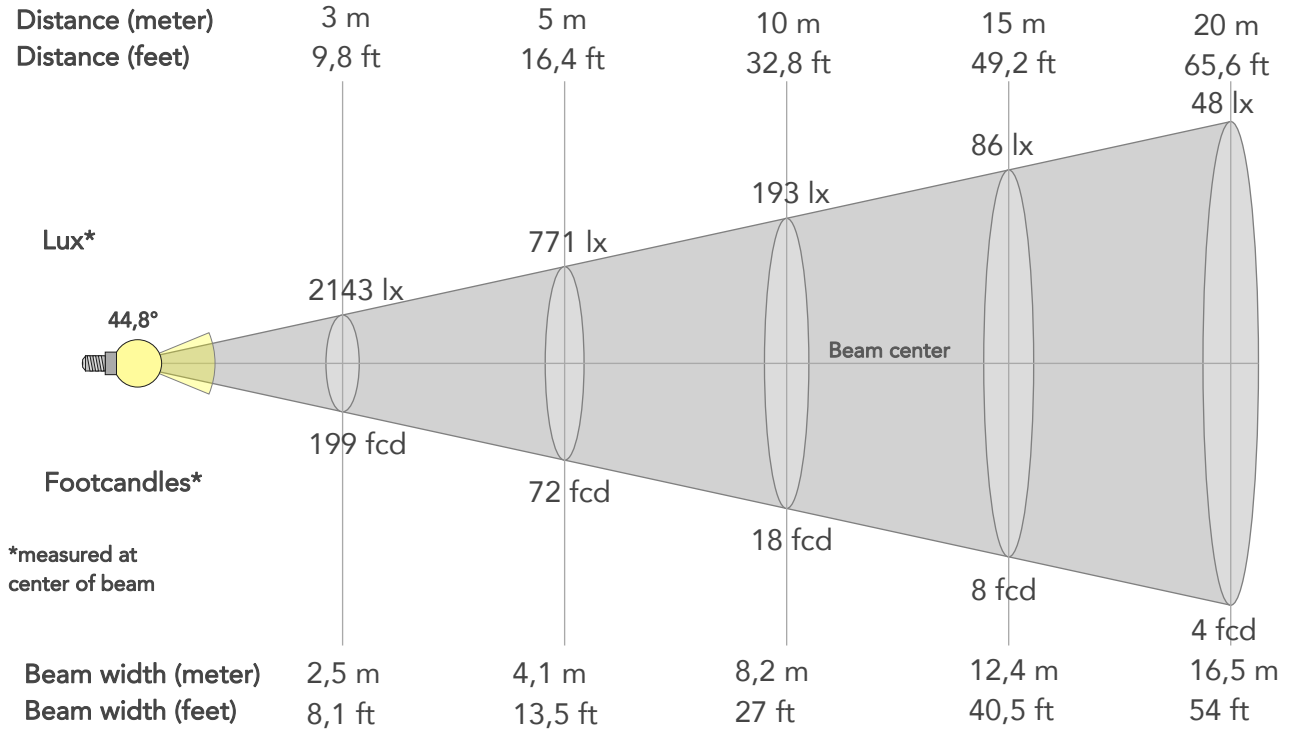
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	4%	-2%
2	88	5%	-4%
3	87	3%	-5%
4	92	1%	-3%
5	93	3%	4%
6	84	9%	7%
7	85	10%	1%
8	78	13%	-4%
9	83	7%	-7%
10	84	3%	-10%
11	90	0%	-7%
12	88	2%	-7%
13	90	2%	-7%
14	92	1%	-2%
15	91	4%	1%
16	91	5%	-4%



# BEAM DETAILS



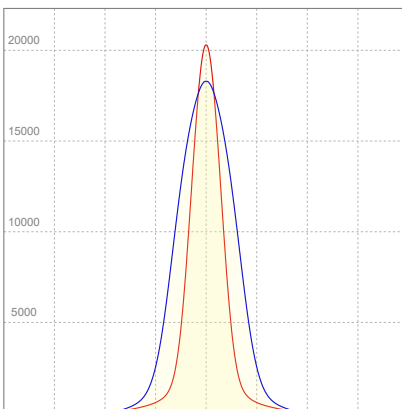
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	77°	112°	96,0%	87,7%



## 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	19285lx	4821lx	2143lx	1205lx	771lx	343lx	193lx	86lx	48lx	31lx	21lx	12lx	8lx
Footcand.	1792fcd	448fcd	199fcd	112fcd	72fcd	32fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	32,9m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,5ft	54ft	67,5ft	81ft	108ft	135,1ft

## LINEAR DISTRIBUTION DIAGRAM



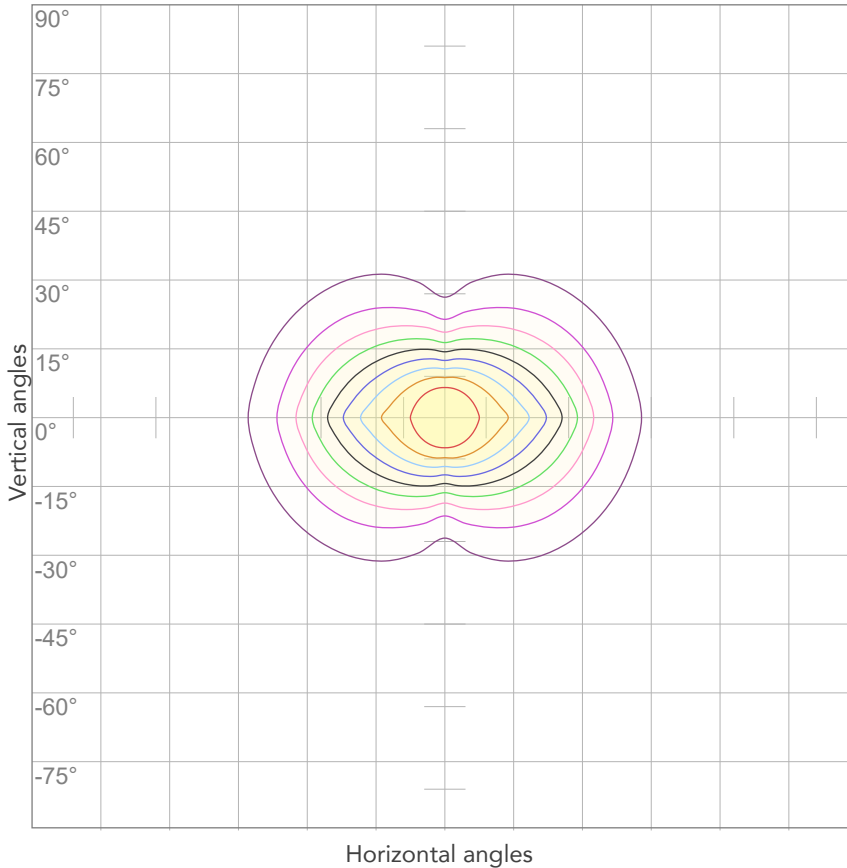
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,983A	211,8W	0,94	63lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



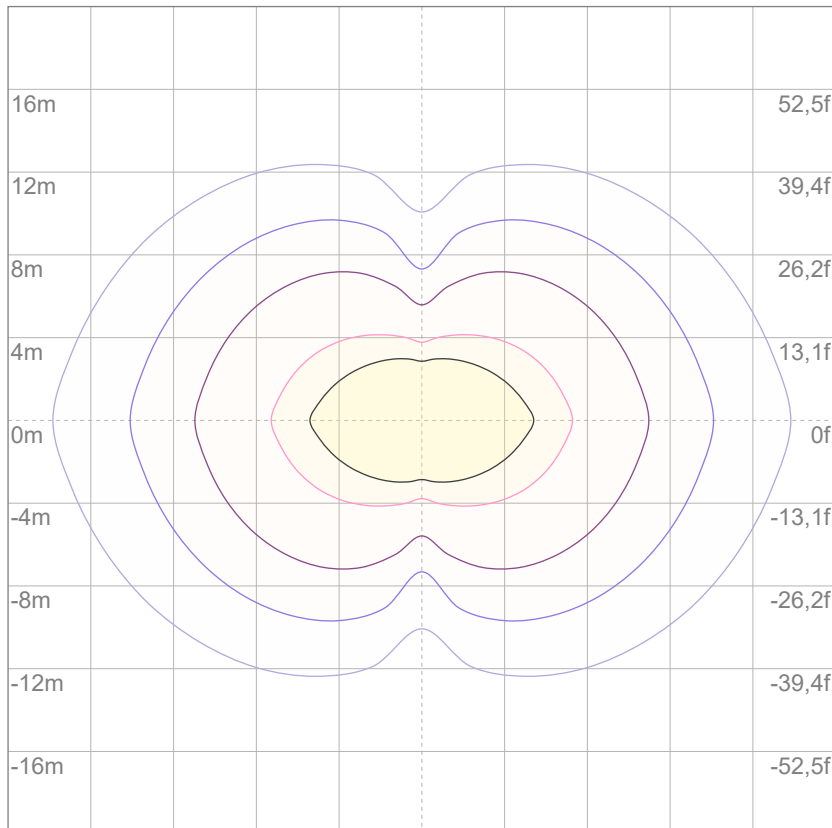
10%	1928 cd
20%	3857 cd
30%	5785 cd
40%	7714 cd
50%	9642 cd
60%	11571 cd
70%	13499 cd
80%	15428 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 19285 cd

## ISO LUX DIAGRAM



3%	5,79 lx
5%	9,64 lx
10%	19,3 lx
30%	57,9 lx
50%	96,4 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 193 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

13288 lm

Peak candela output:

276727 cd

Light quality:

CRI: 83,8

Color temperature:

3238 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

Native Optic - 10°

Target:

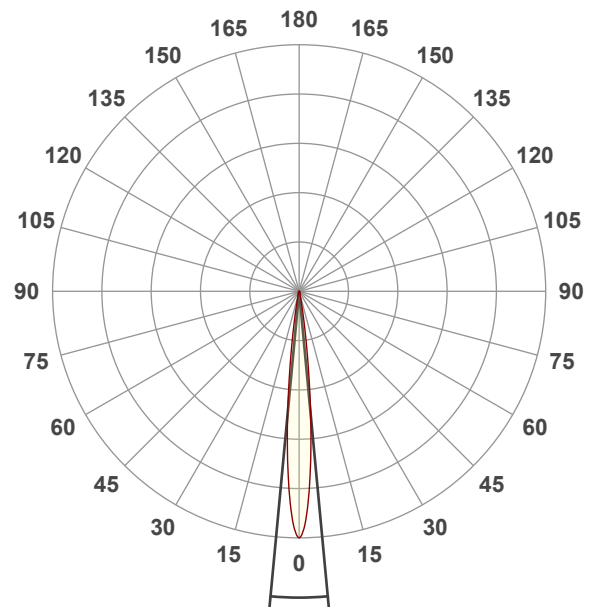
3200K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 11:35:32

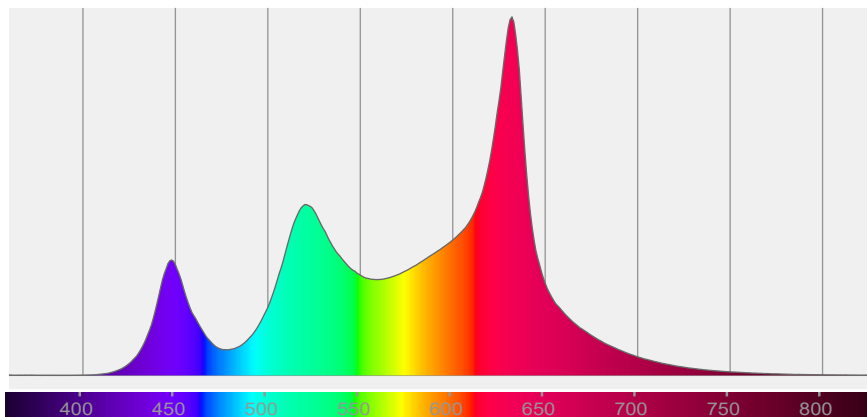


Beam angle 50%: 10,7°

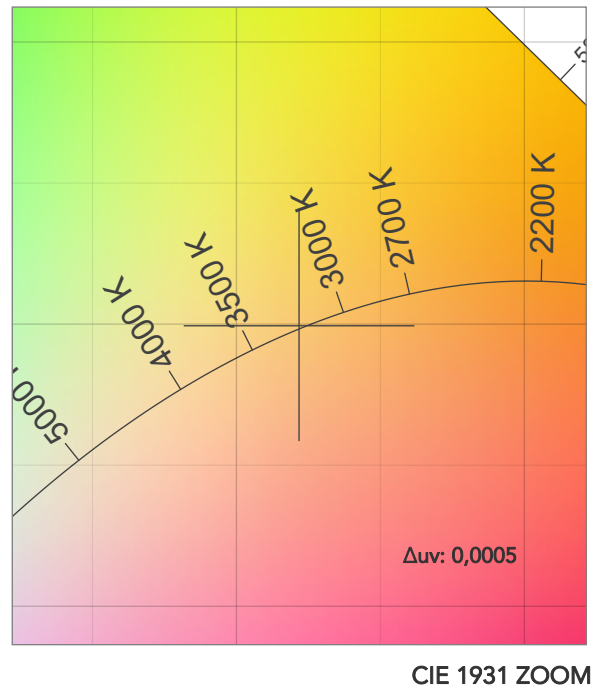
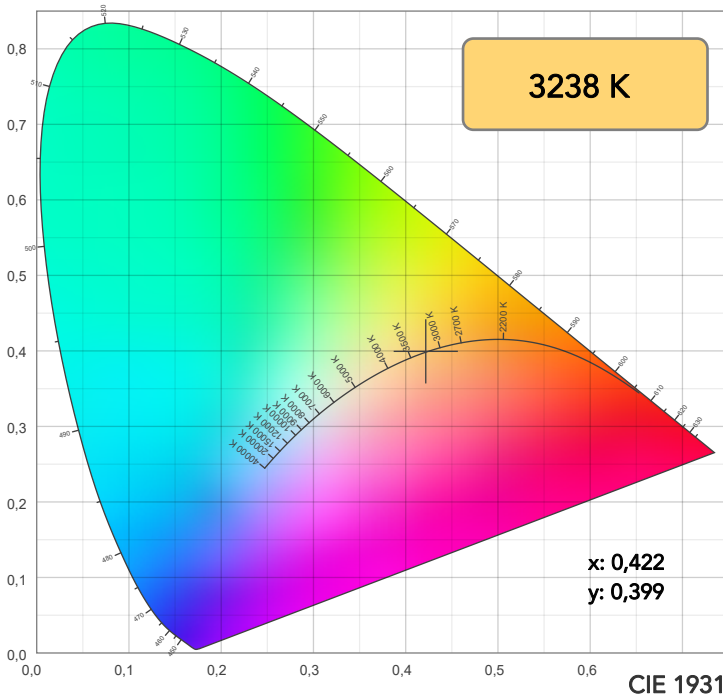
Field angle 10%: 19,2°

Cut off angle 2.5%: 26,2°

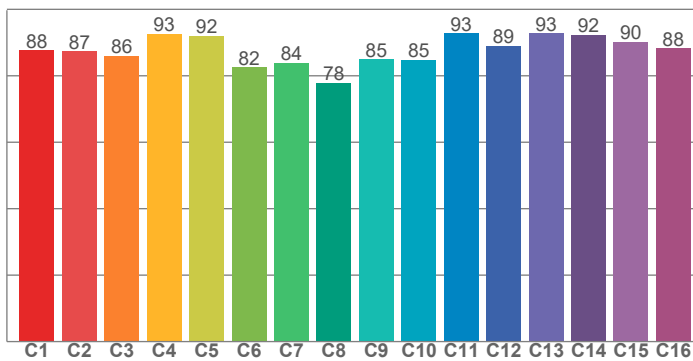
**Spectra**



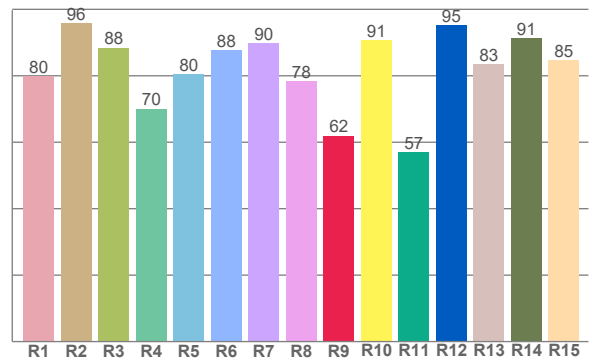
# COLOR DETAILS



**TM30: 88,3**



**CRI: 83,8 (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
79,9	95,8	88,4	70,1	80,4	87,7	89,7	78,5	62,0	90,8	57,0	95,3	83,5	91,3	84,8

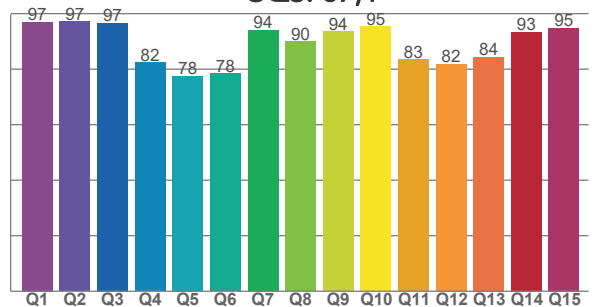
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,7	87,3	86,0	92,7	92,0	82,5	83,9	77,8	85,0	84,7	92,8	89,1	92,7	92,3	90,2	88,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	96,7	82,3	77,5	78,3	94,2	90,0	93,6	95,5	83,5	81,8	84,3	93,4	94,9

**CQS: 87,1**



## COLOR PARAMETERS

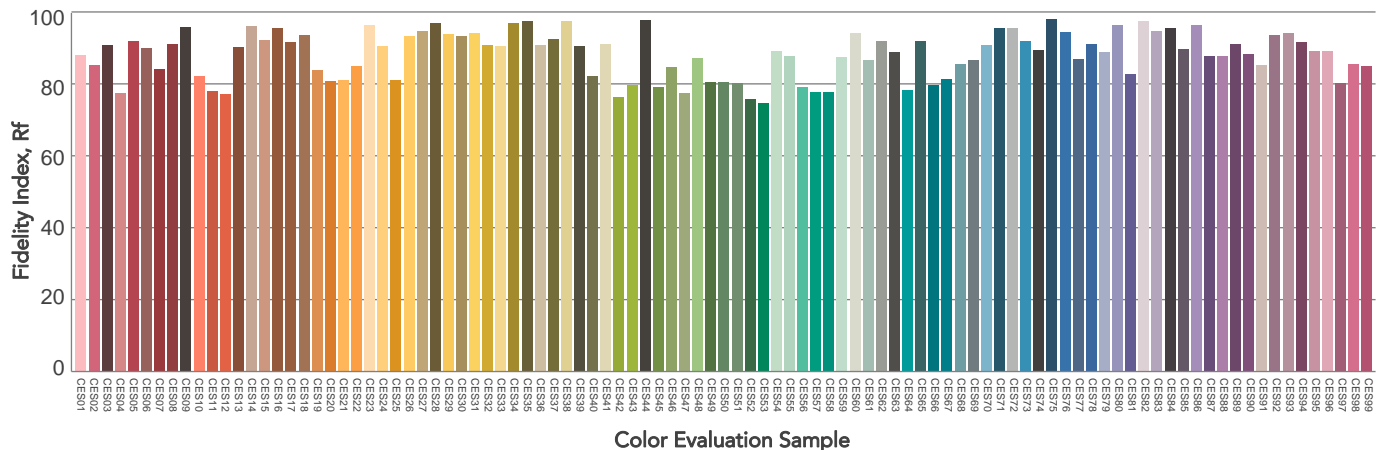
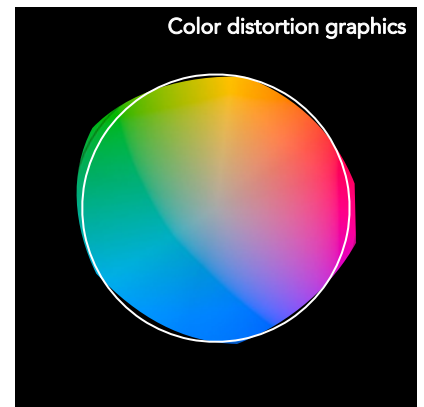
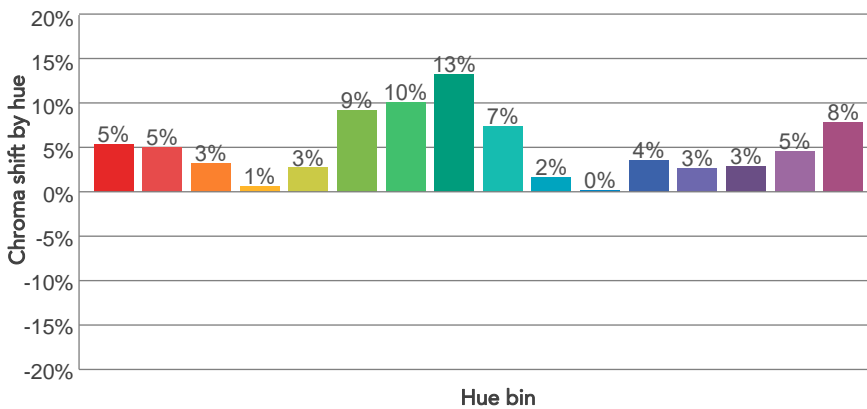
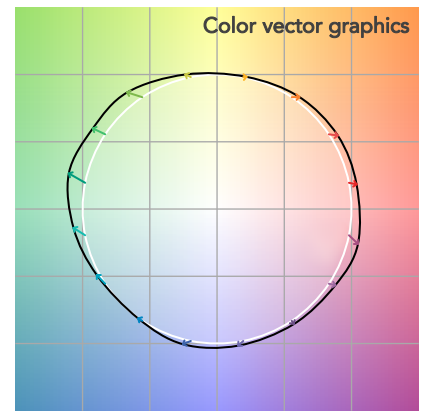
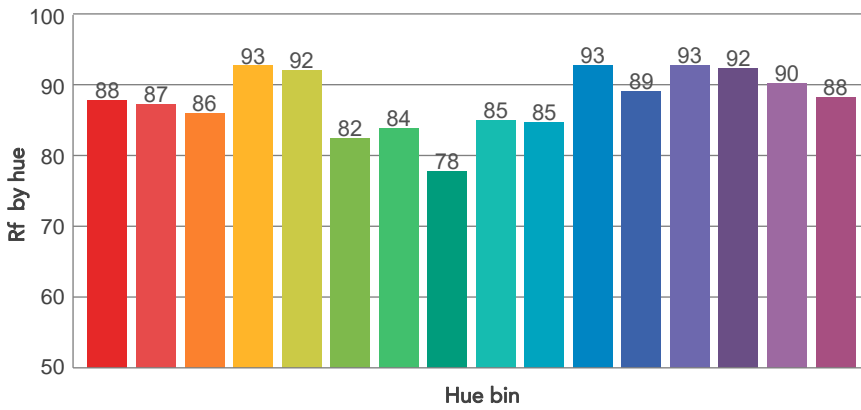
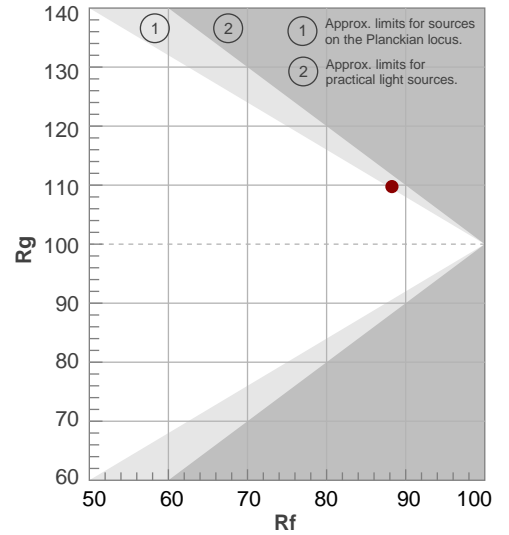
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3238 K	83,8	62,0	88,3	109,8	87,1	66	0,422	0,399	0,0005

# TM30 DETAILS

**Rf 88,3**  
Fidelity index Rf

**Rg 109,8**  
Gammut index

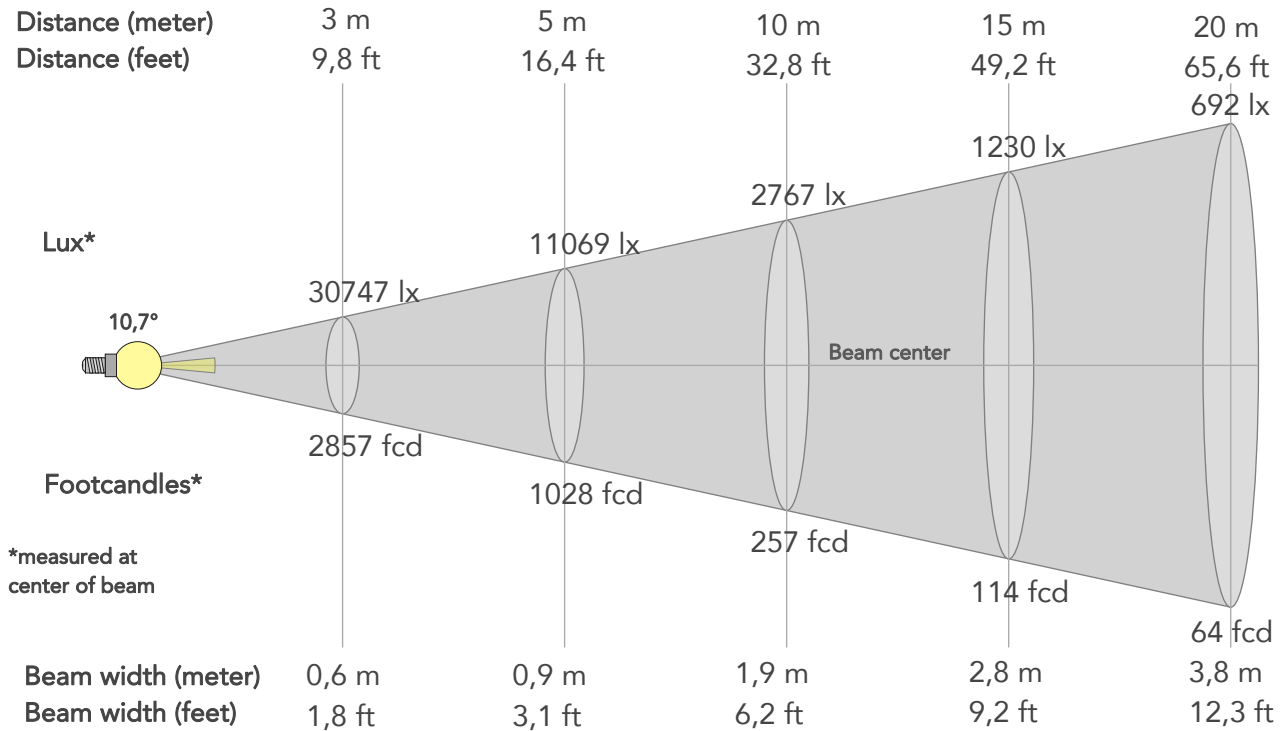
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	87	5%	-4%
3	86	3%	-5%
4	93	1%	-2%
5	92	3%	4%
6	82	9%	7%
7	84	10%	1%
8	78	13%	-4%
9	85	7%	-7%
10	85	2%	-9%
11	93	0%	-4%
12	89	4%	-5%
13	93	3%	-4%
14	92	3%	0%
15	90	5%	2%
16	88	8%	-5%



# BEAM DETAILS



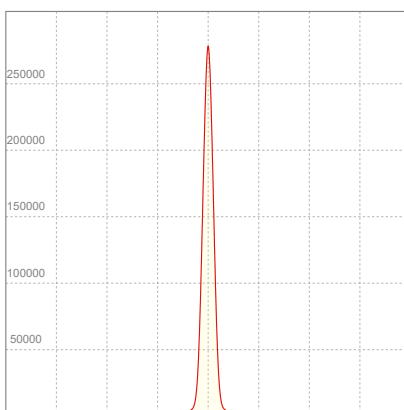
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	19,2°	26,2°	99,6%	97,8%



## 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	276727lx	69182lx	30747lx	17295lx	11069lx	4920lx	2767lx	1230lx	692lx	443lx	307lx	173lx	111lx
Footcand.	25709fcd	6427fcd	2857fcd	1607fcd	1028fcd	457fcd	257fcd	114fcd	64fcd	41fcd	29fcd	16fcd	10fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,6m	7,5m	9,4m
Beam wid.	0,6ft	1,2ft	1,8ft	2,5ft	3,1ft	4,6ft	6,2ft	9,2ft	12,3ft	15,4ft	18,5ft	24,6ft	30,8ft

## LINEAR DISTRIBUTION DIAGRAM

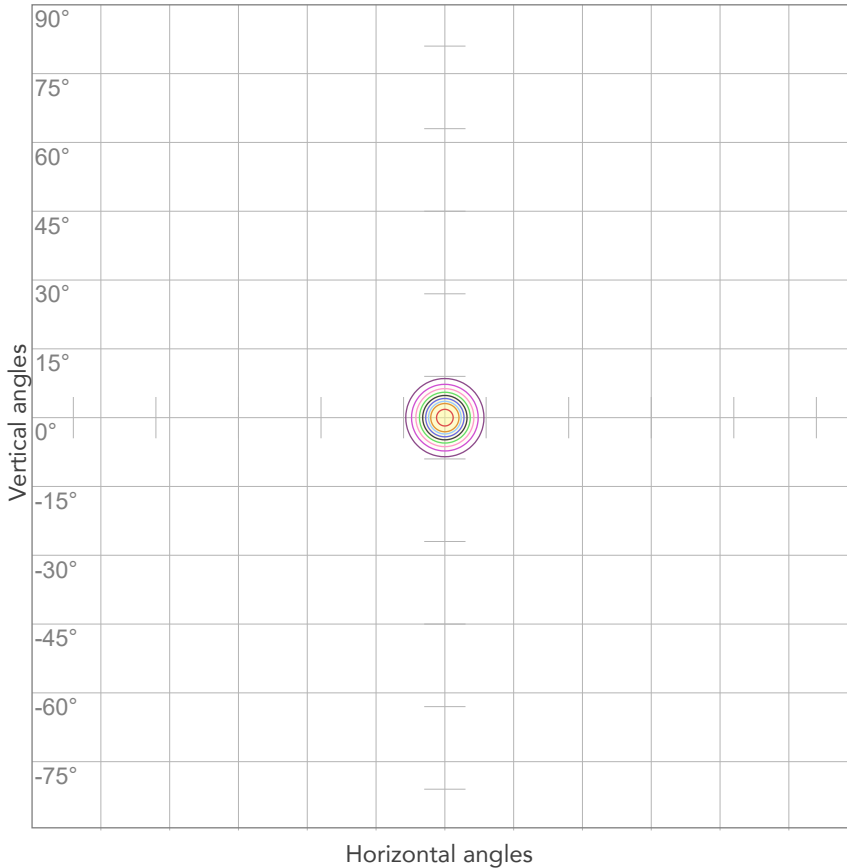


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,01A	215,6W	0,95	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



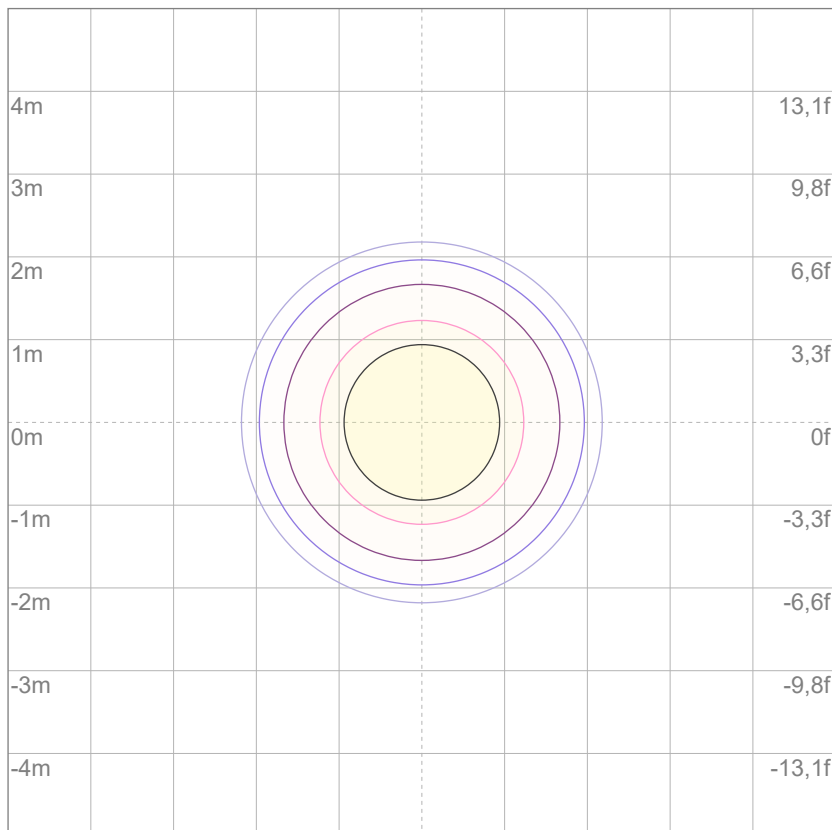
10%	27673 cd
20%	55345 cd
30%	83018 cd
40%	110691 cd
50%	138364 cd
60%	166036 cd
70%	193709 cd
80%	221382 cd

Conditions:

Number of c-planes: 2

Candela at center: 276727 cd

## ISO LUX DIAGRAM



3%	83,0 lx
5%	138 lx
10%	277 lx
30%	830 lx
50%	1384 lx

Conditions:

Number of c-planes: 2

Lux at center: 2767 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

13337 lm

Peak candela output:

54427 cd

Light quality:

CRI: 83,8

Color temperature:

3220 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20°Filter

Target:

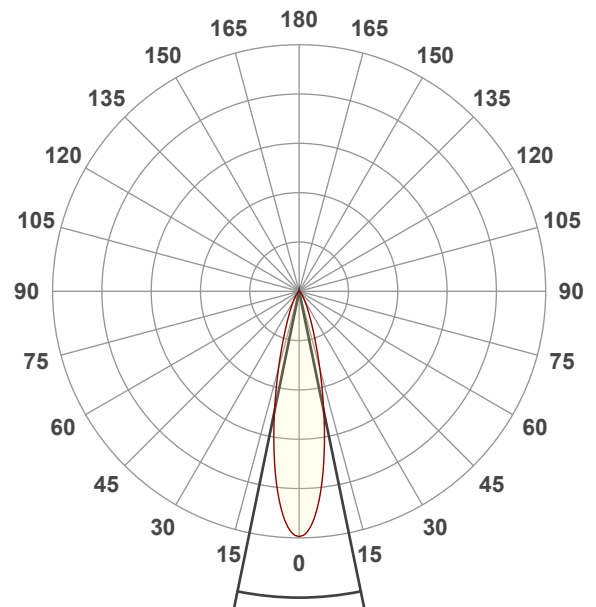
3200K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 15:41:44

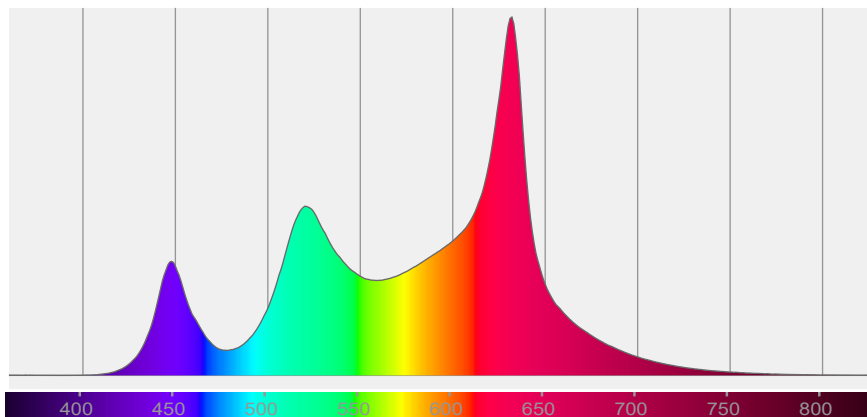


Beam angle 50%: 23,2°

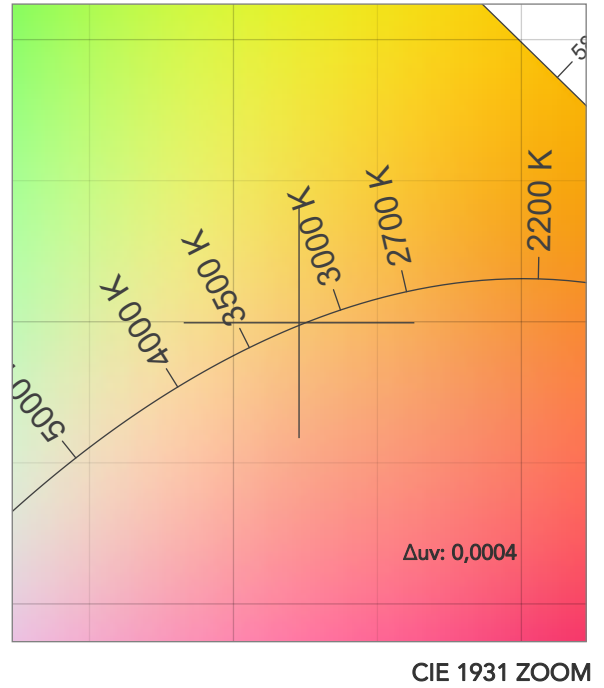
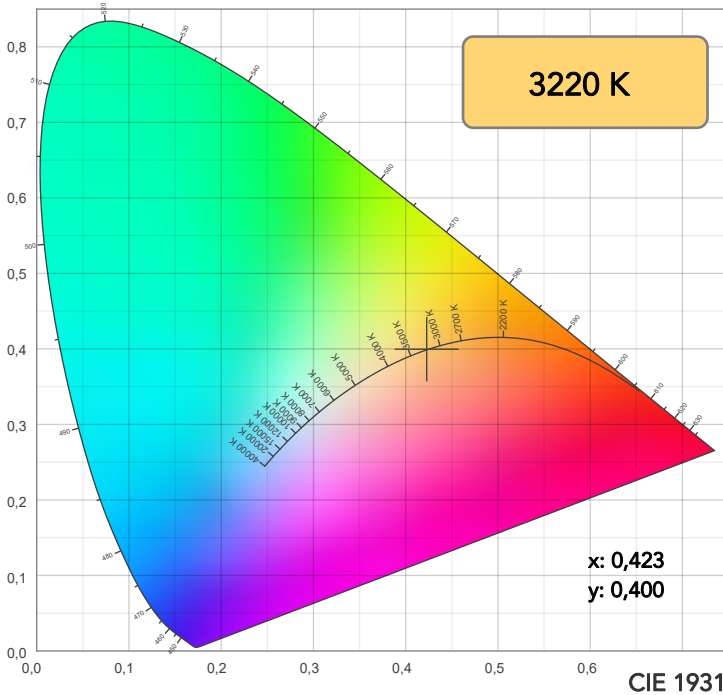
Field angle 10%: 47,3°

Cut off angle 2.5%: 72,5°

Spectra

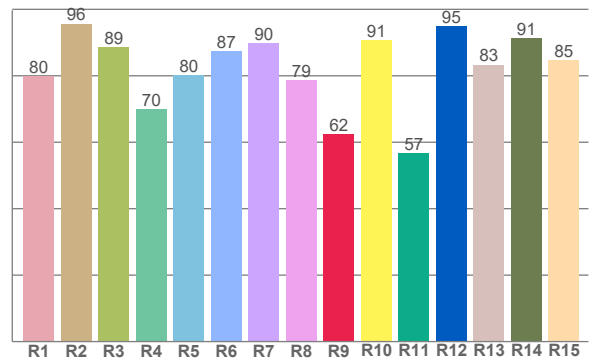
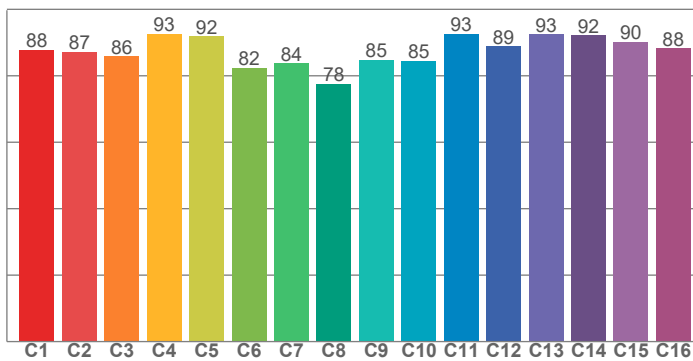


# COLOR DETAILS



TM30: 88,2

CRI: 83,8 (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
79,8	95,7	88,5	69,9	80,2	87,5	89,8	78,6	62,4	90,6	56,7	95,0	83,3	91,3	84,8

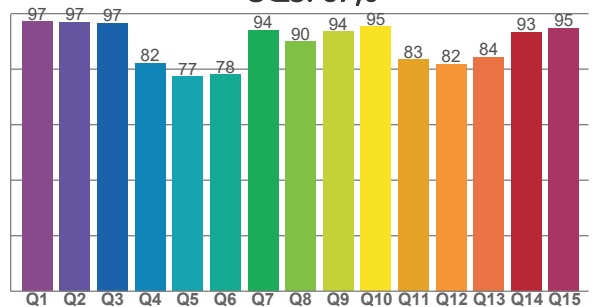
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,8	87,3	85,9	92,6	92,0	82,4	83,8	77,6	84,8	84,5	92,7	88,9	92,6	92,2	90,2	88,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	97,0	96,6	82,1	77,3	78,1	94,0	90,0	93,6	95,4	83,4	81,8	84,3	93,3	94,9

CQS: 87,0



## 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
3220 K	83,8	62,4	88,2	109,8	87,0	66	0,423	0,400	0,0004

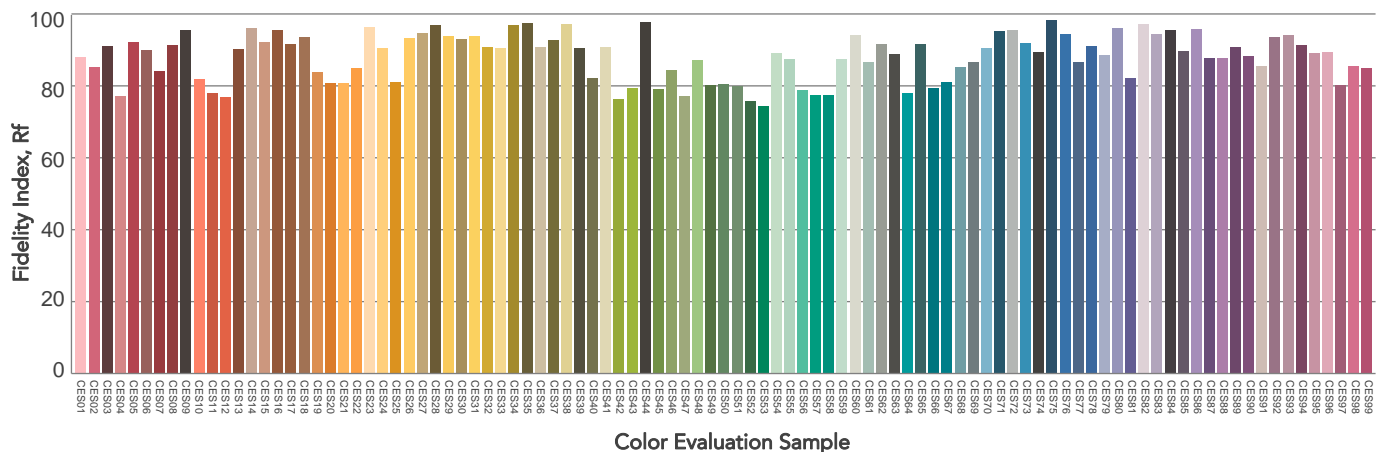
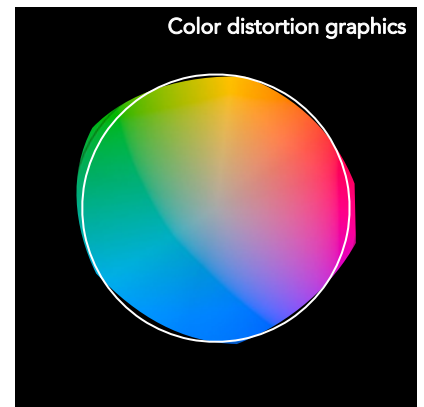
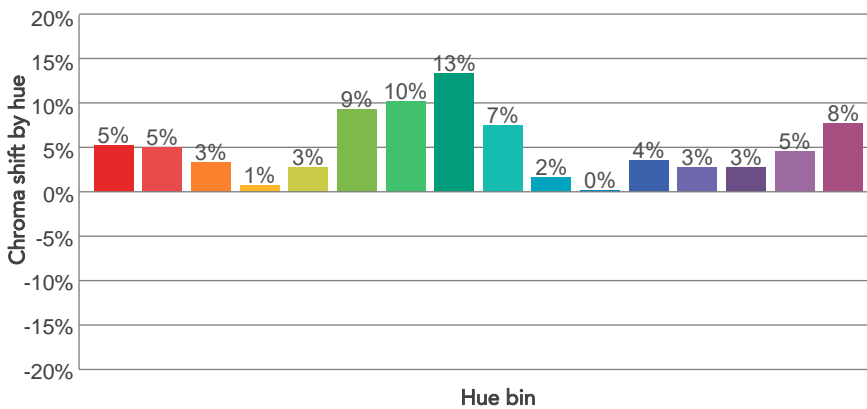
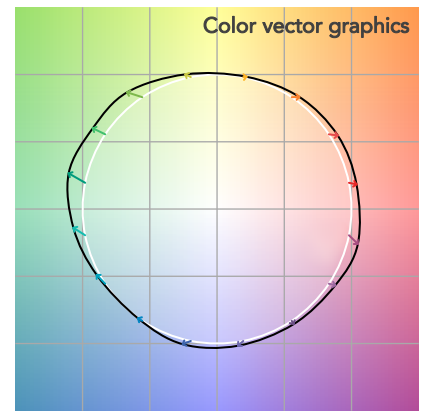
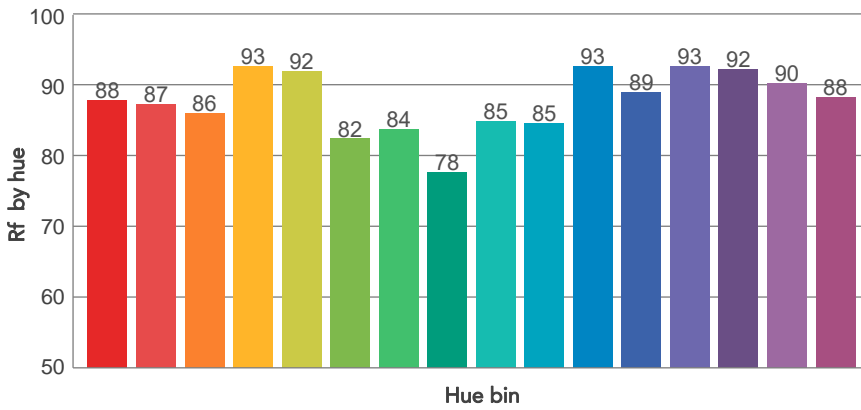
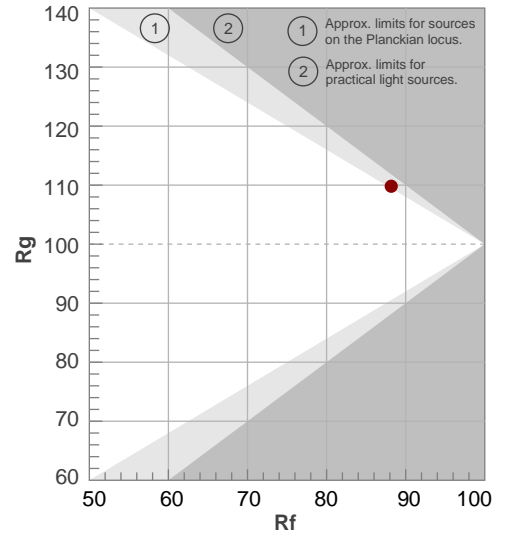


# TM30 DETAILS

**Rf 88,2**  
Fidelity index Rf

**Rg 109,8**  
Gammut index

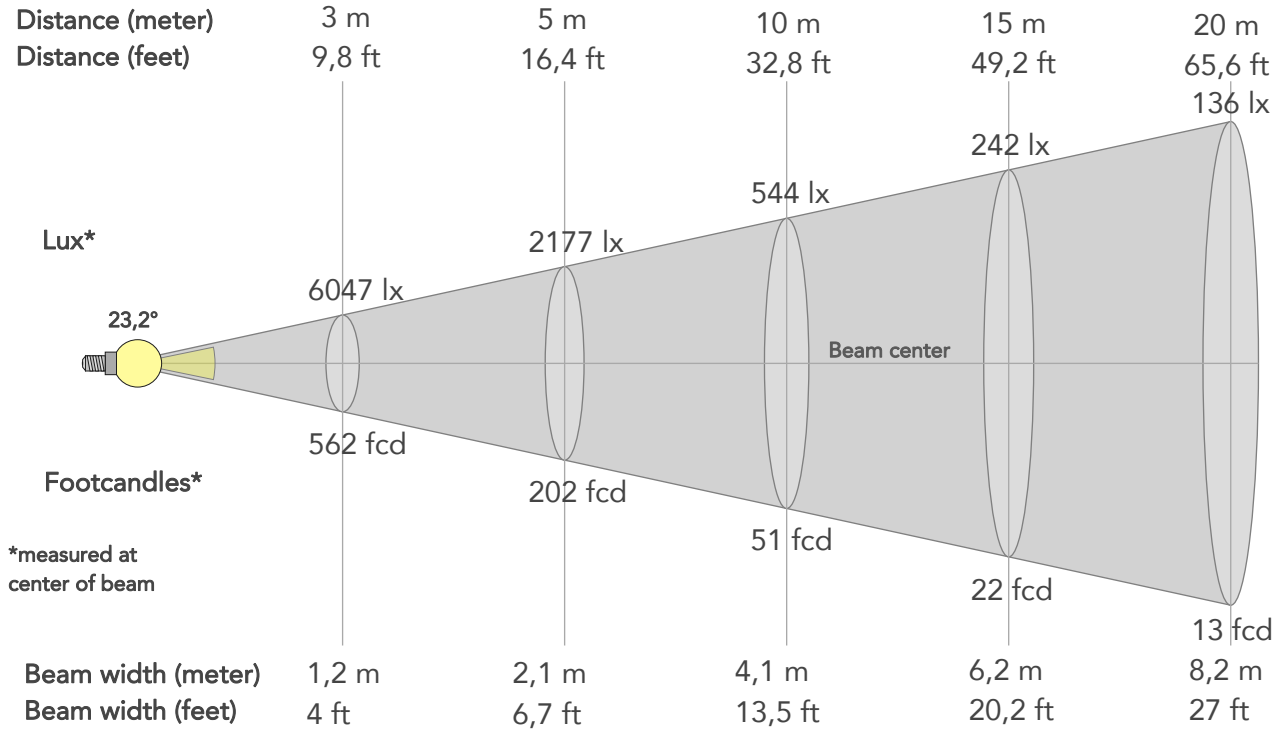
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	87	5%	-4%
3	86	3%	-5%
4	93	1%	-2%
5	92	3%	4%
6	82	9%	7%
7	84	10%	1%
8	78	13%	-5%
9	85	7%	-7%
10	85	2%	-9%
11	93	0%	-4%
12	89	4%	-5%
13	93	3%	-5%
14	92	3%	0%
15	90	5%	2%
16	88	8%	-5%



# BEAM DETAILS



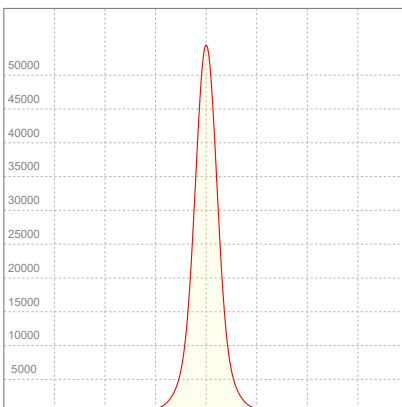
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	47,3°	72,5°	97,8%	93,7%



## 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	54427lx	13607lx	6047lx	3402lx	2177lx	968lx	544lx	242lx	136lx	87lx	60lx	34lx	22lx
Footcand.	5056fcd	1264fcd	562fcd	316fcd	202fcd	90fcd	51fcd	22fcd	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	12,3m	16,4m	20,5m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,5ft	20,2ft	27ft	33,7ft	40,4ft	53,9ft	67,4ft

## LINEAR DISTRIBUTION DIAGRAM

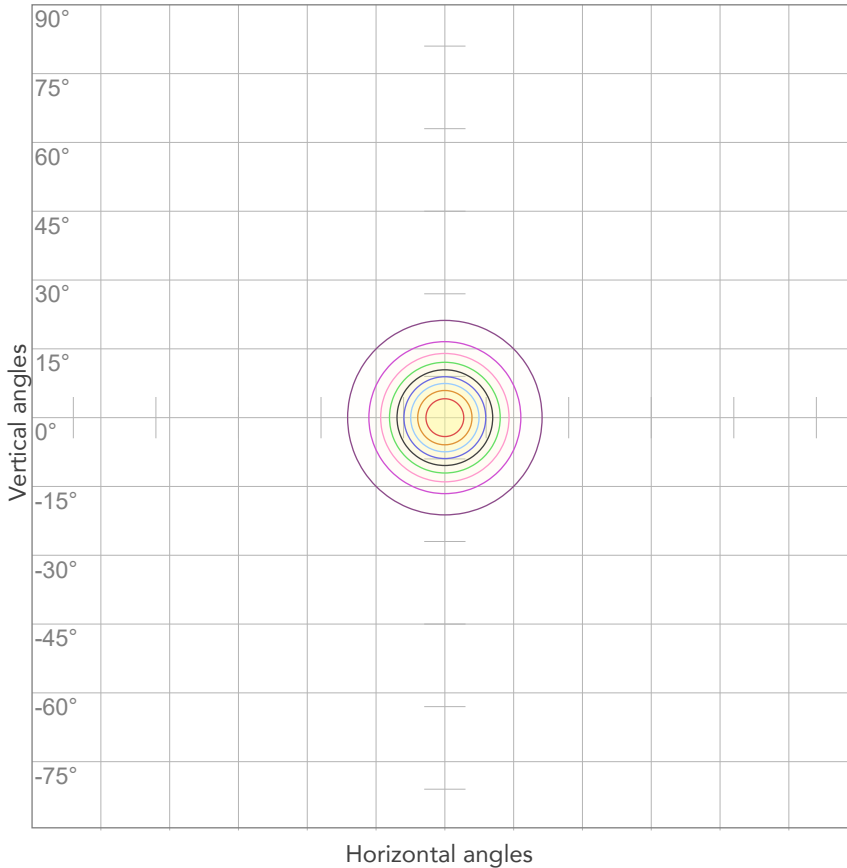


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,00A	215,3W	0,95	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



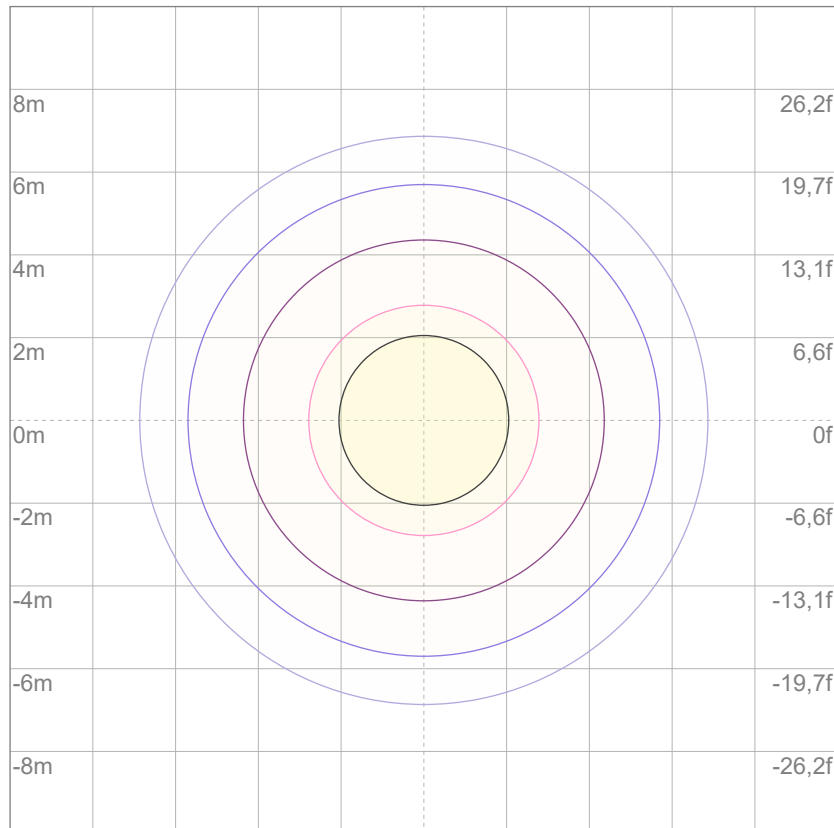
10%	5443 cd
20%	10885 cd
30%	16328 cd
40%	21771 cd
50%	27213 cd
60%	32656 cd
70%	38099 cd
80%	43541 cd

### Conditions:

Number of c-planes: 2

Candela at center: 54427 cd

## ISO LUX DIAGRAM



3%	16,3 lx
5%	27,2 lx
10%	54,4 lx
30%	163 lx
50%	272 lx

### Conditions:

Number of c-planes: 2

Lux at center: 544 lx

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



Total lumen output:

12726 lm

Peak candela output:

16563 cd

Light quality:

CRI: 84,2

Color temperature:

3229 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 40°Filter

Target:

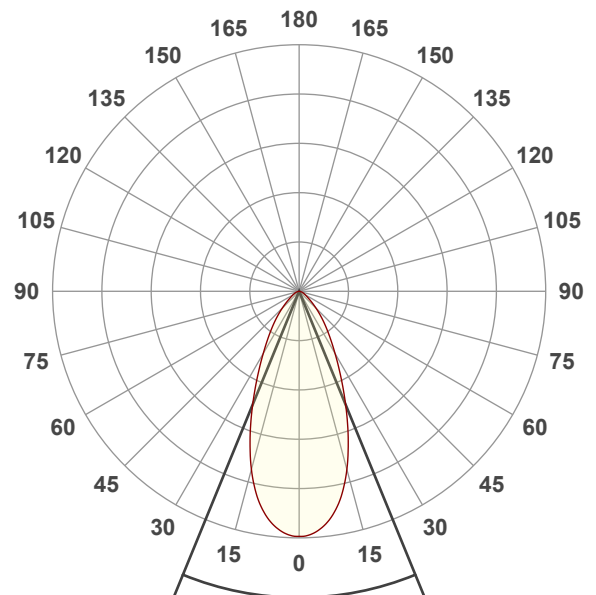
3200K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 16:49:57

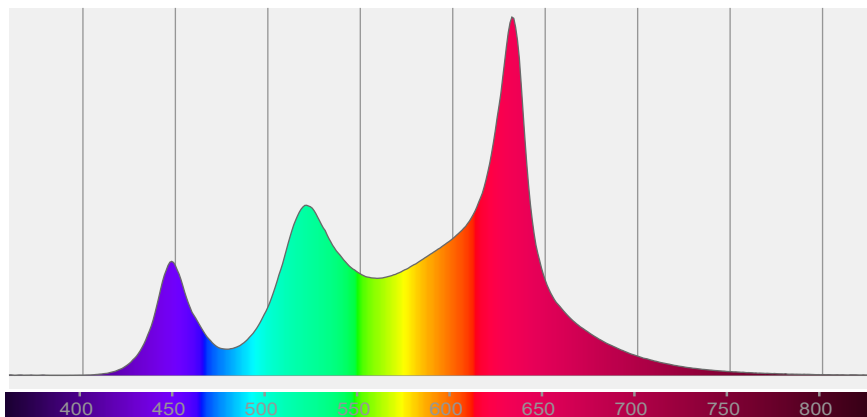


Beam angle 50%: 44,6°

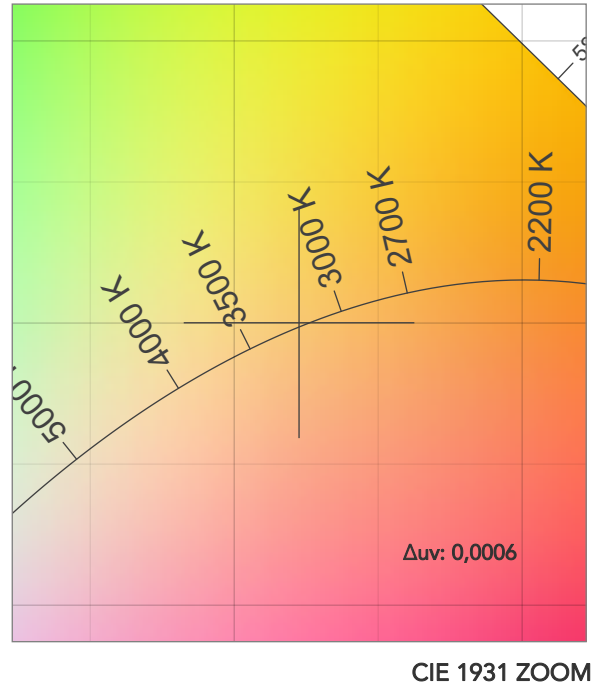
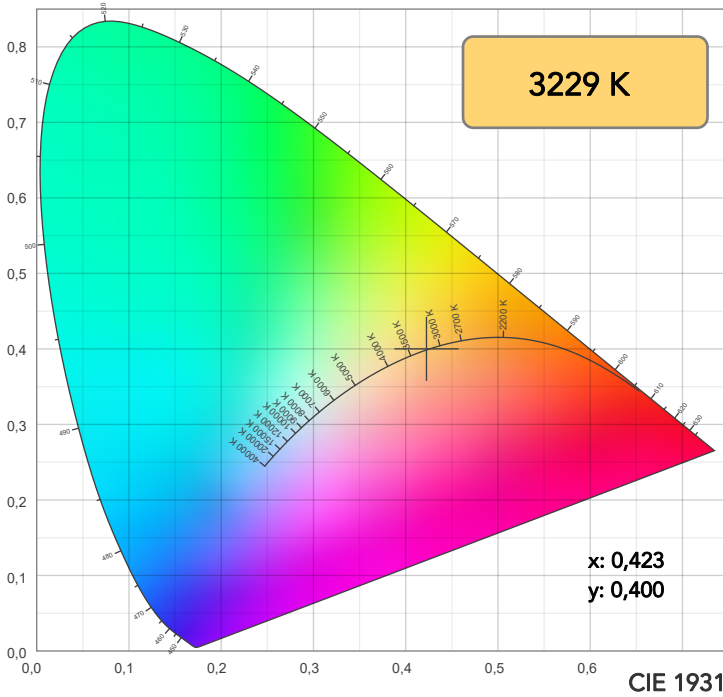
Field angle 10%: 89,4°

Cut off angle 2.5%: 124,7°

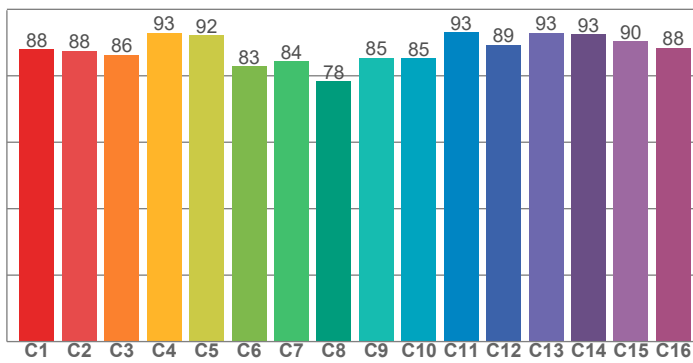
Spectra



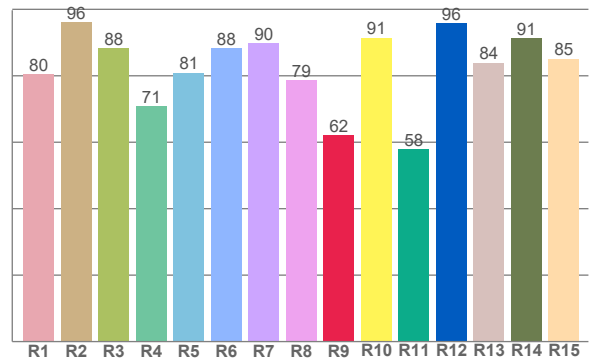
# COLOR DETAILS



**TM30: 88,5**



**CRI: 84,2 (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
80,5	96,0	88,3	70,8	80,9	88,3	89,8	78,6	62,2	91,5	58,0	95,7	83,9	91,2	85,1

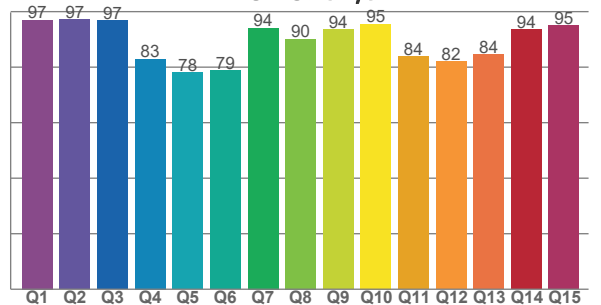
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,0	87,6	86,3	92,9	92,2	82,9	84,3	78,4	85,4	85,3	93,0	89,3	92,9	92,5	90,3	88,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	97,1	96,8	82,9	78,1	78,8	94,2	90,2	93,6	95,5	83,8	82,1	84,5	93,6	94,9

**CQS: 87,3**



## COLOR PARAMETERS

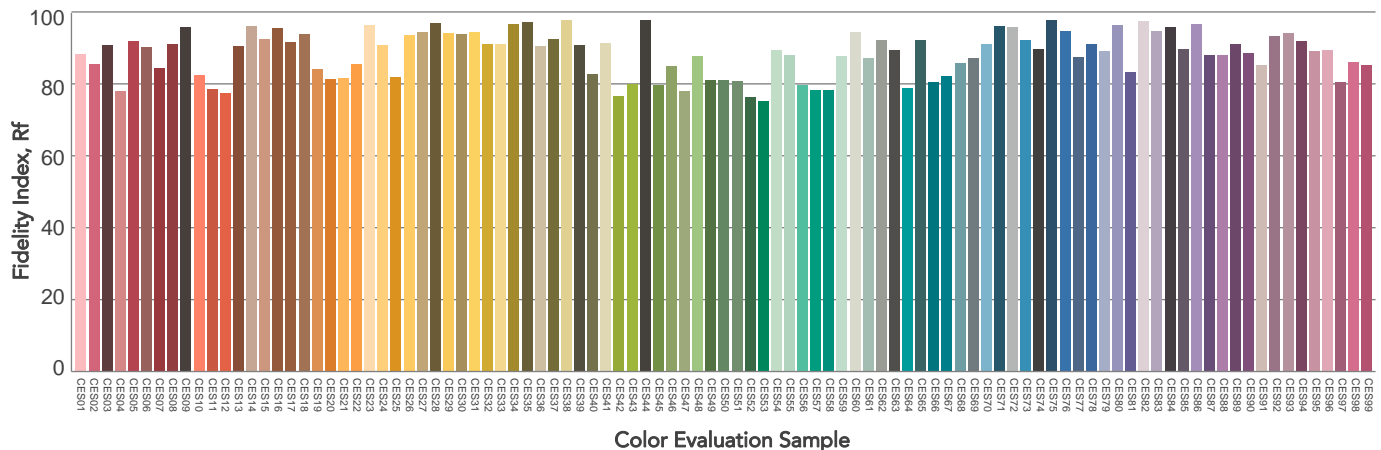
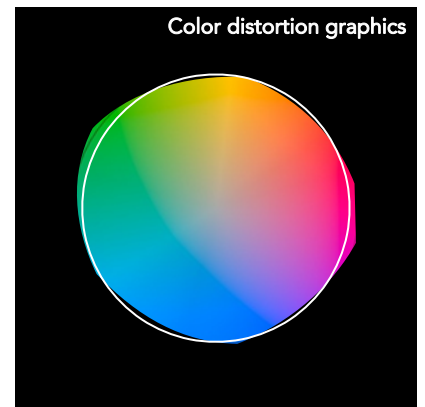
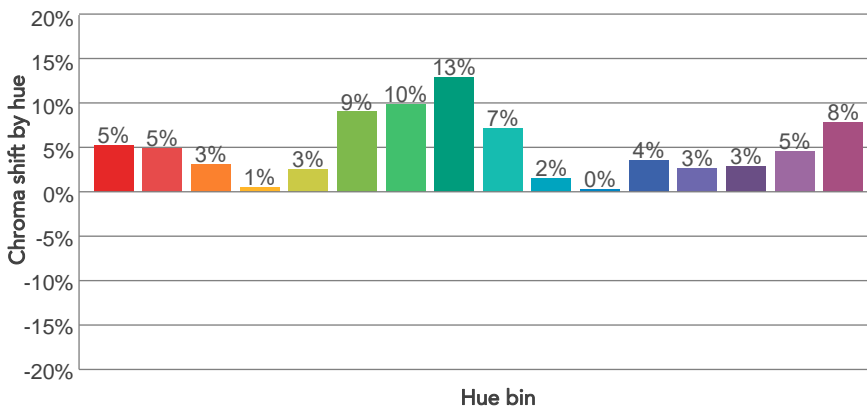
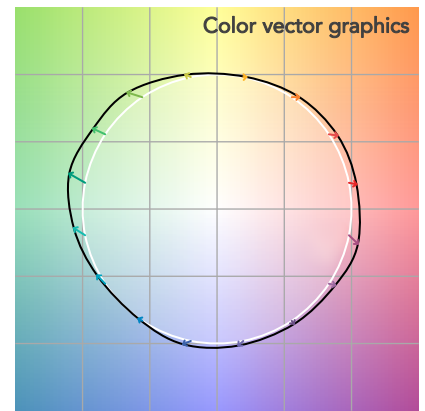
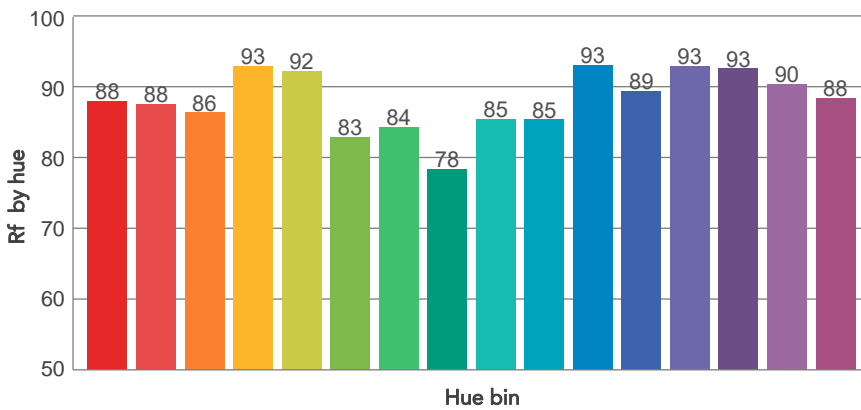
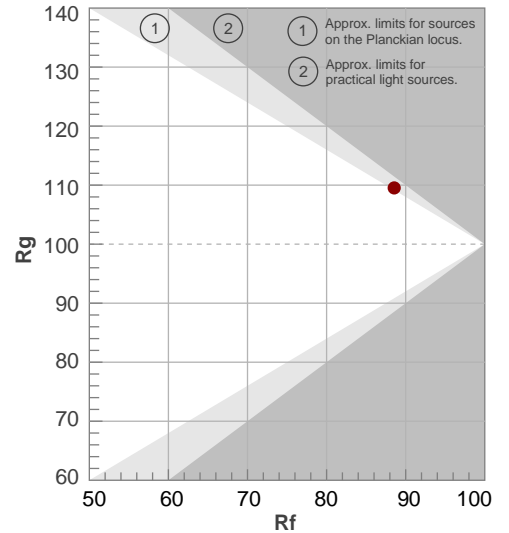
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3229 K	84,2	62,2	88,5	109,5	87,3	67	0,423	0,400	0,0006

# TM30 DETAILS

**Rf 88,5**  
Fidelity index Rf

**Rg 109,5**  
Gammut index

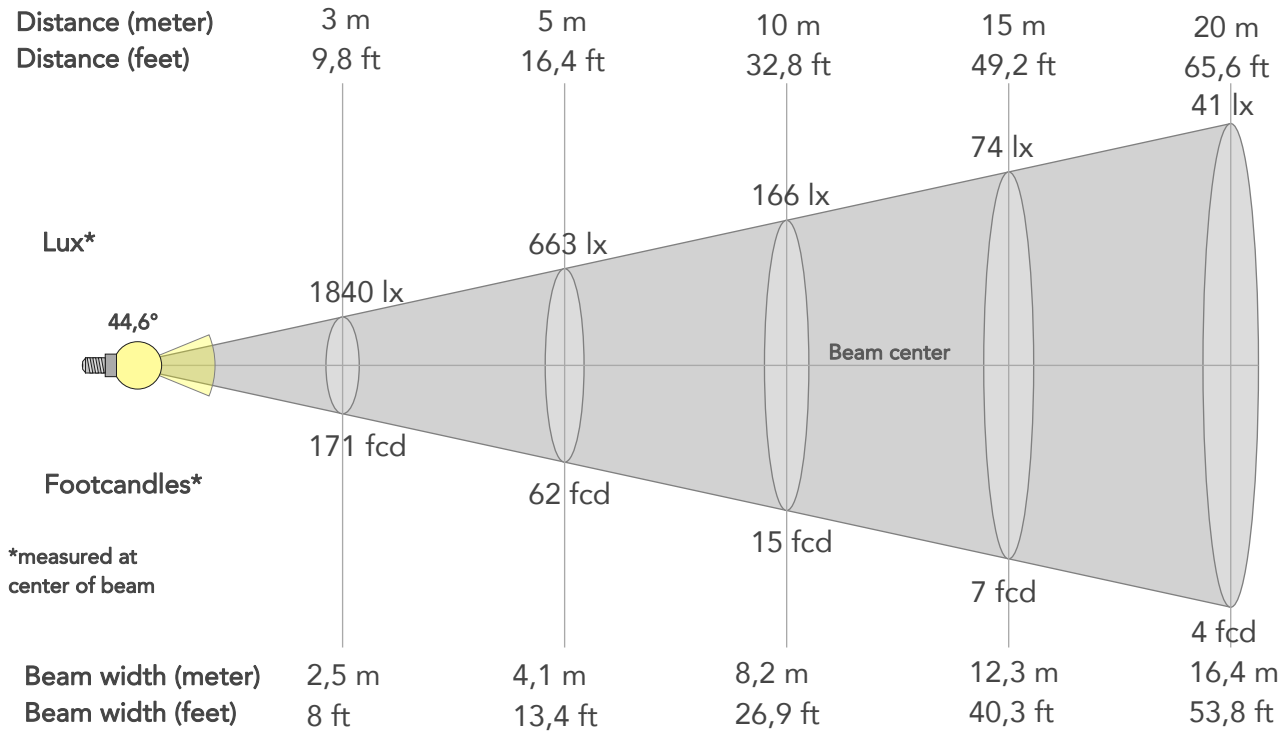
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	88	5%	-4%
3	86	3%	-4%
4	93	1%	-2%
5	92	3%	4%
6	83	9%	7%
7	84	10%	2%
8	78	13%	-4%
9	85	7%	-7%
10	85	2%	-9%
11	93	0%	-3%
12	89	4%	-5%
13	93	3%	-4%
14	93	3%	0%
15	90	5%	2%
16	88	8%	-5%



# BEAM DETAILS



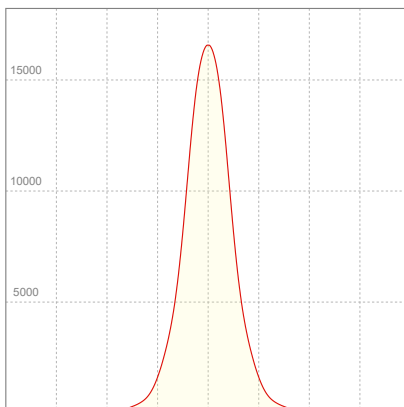
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,6°	89,4°	124,7°	95,6%	86,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	16563lx	4141lx	1840lx	1035lx	663lx	294lx	166lx	74lx	41lx	27lx	18lx	10lx	7lx
Footcand.	1539fcd	385fcd	171fcd	96fcd	62fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	41m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20,2ft	26,9ft	40,3ft	53,8ft	67,2ft	80,7ft	107,6ft	134,5ft

## LINEAR DISTRIBUTION DIAGRAM

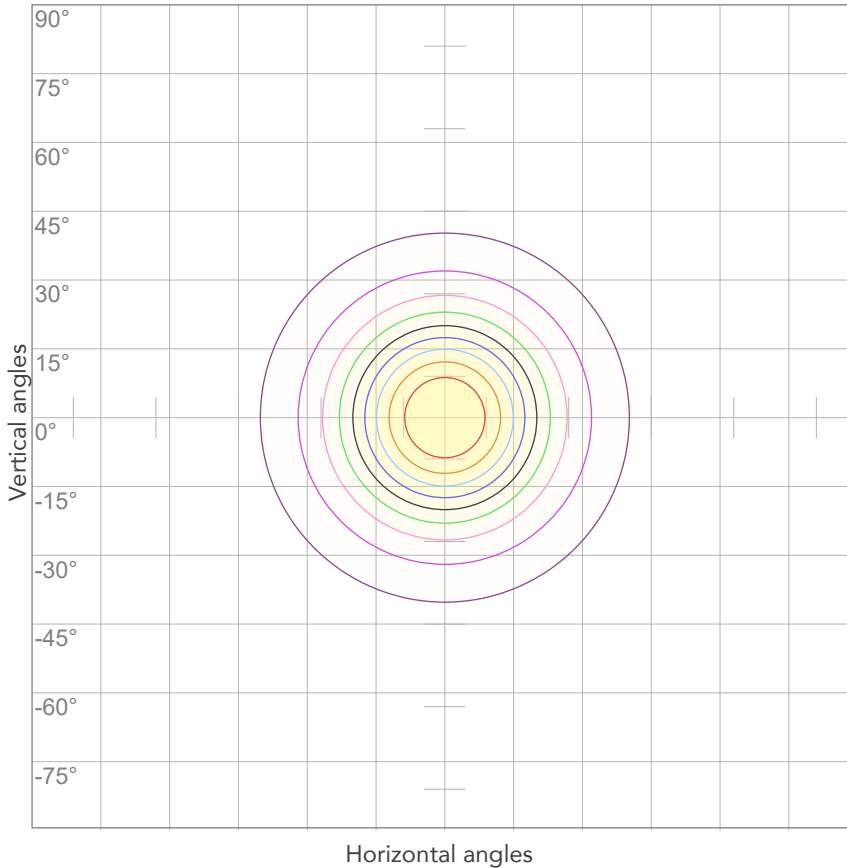


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,994A	213,7W	0,95	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



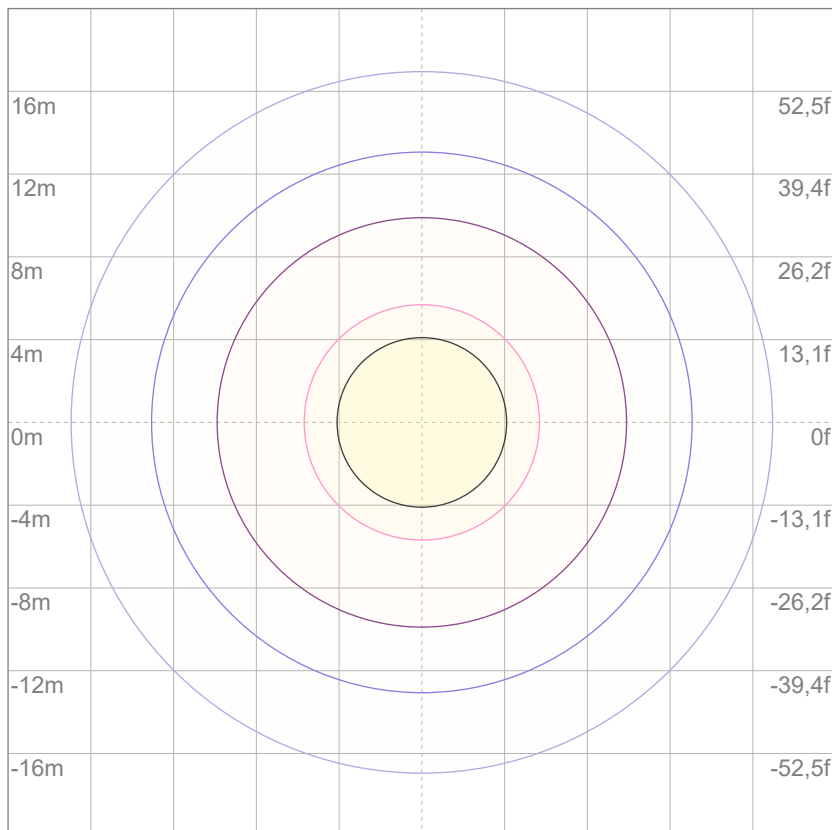
10%	1656 cd
20%	3313 cd
30%	4969 cd
40%	6625 cd
50%	8282 cd
60%	9938 cd
70%	11594 cd
80%	13251 cd

Conditions:

Number of c-planes: 2

Candela at center: 16563 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,97 lx
5%	8,28 lx
10%	16,6 lx
30%	49,7 lx
50%	82,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 166 lx

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





Total lumen output:

13328 lm

Peak candela output:

12095 cd

Light quality:

CRI: 84,0

Color temperature:

3230 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60°Filter

Target:

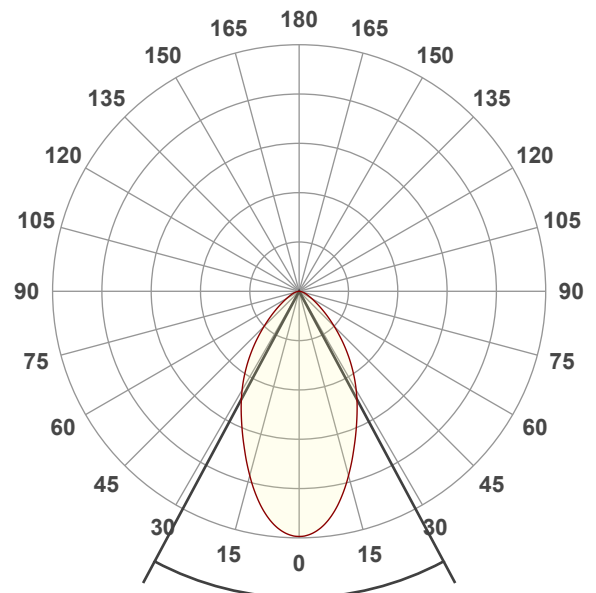
3200K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 13:08:25

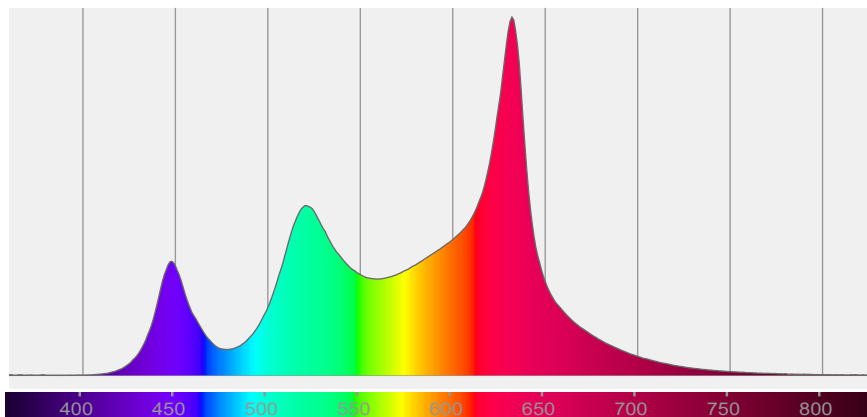


Beam angle 50%: 56,3°

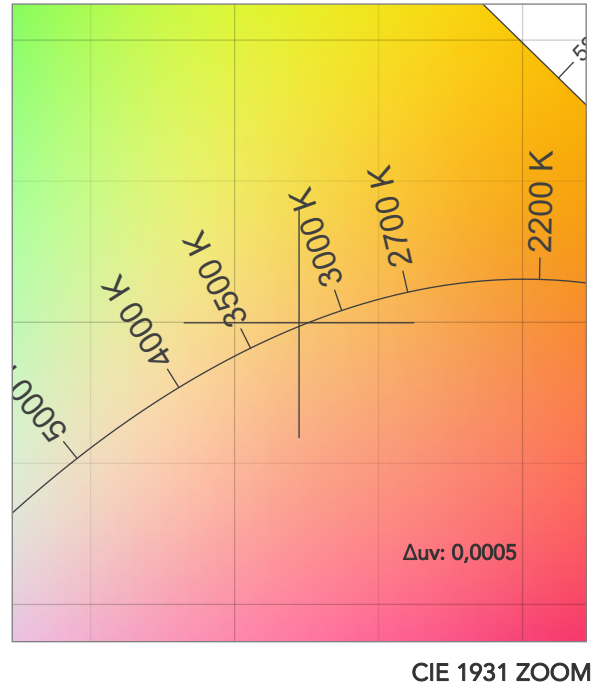
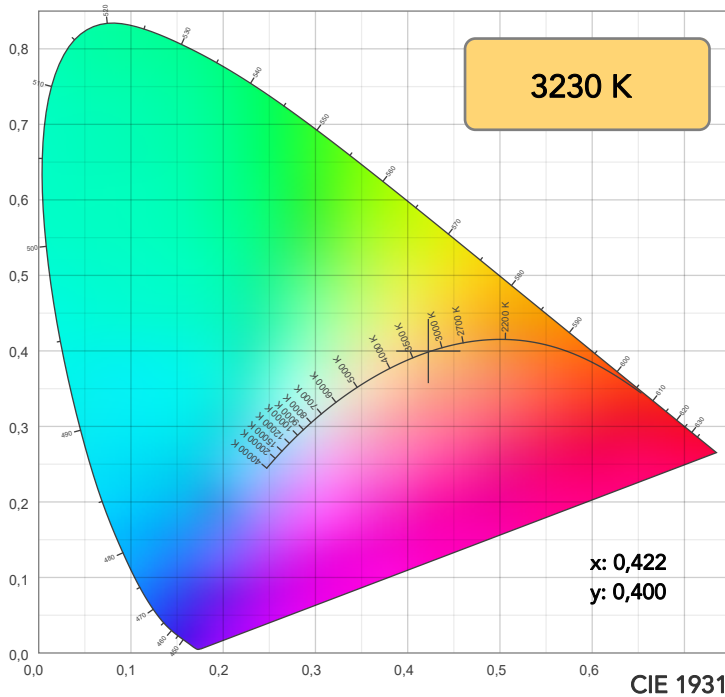
Field angle 10%: 107,7°

Cut off angle 2.5%: 142,5°

Spectra

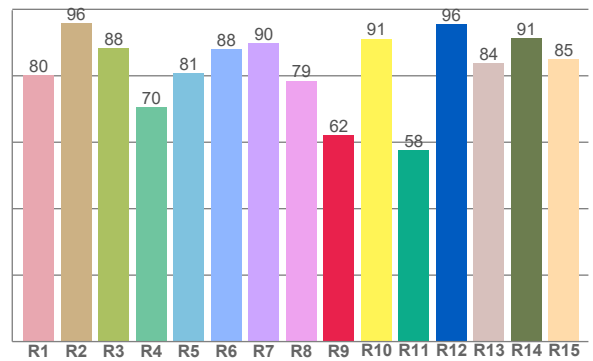
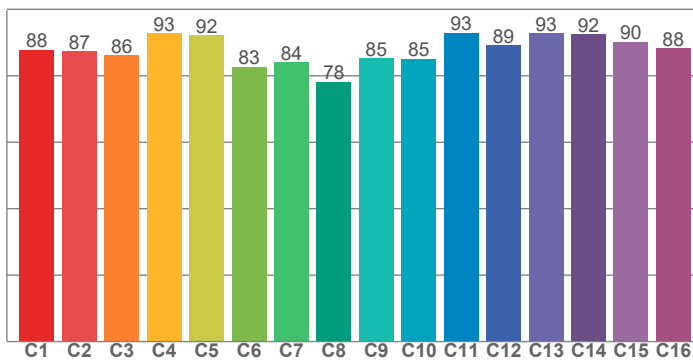


# COLOR DETAILS



TM30: 88,4

CRI: 84,0 (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
80,2	95,9	88,4	70,5	80,7	88,0	89,7	78,5	62,0	91,2	57,6	95,5	83,7	91,2	84,9

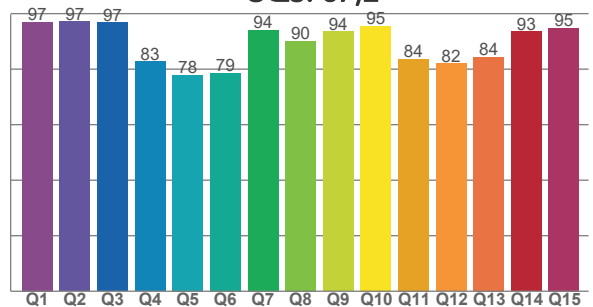
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,9	87,4	86,2	92,8	92,1	82,7	84,1	78,1	85,2	85,1	92,9	89,2	92,8	92,4	90,2	88,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	96,8	82,7	77,8	78,6	94,1	90,1	93,6	95,5	83,7	82,0	84,4	93,5	94,9

CQS: 87,2



## COLOR PARAMETERS

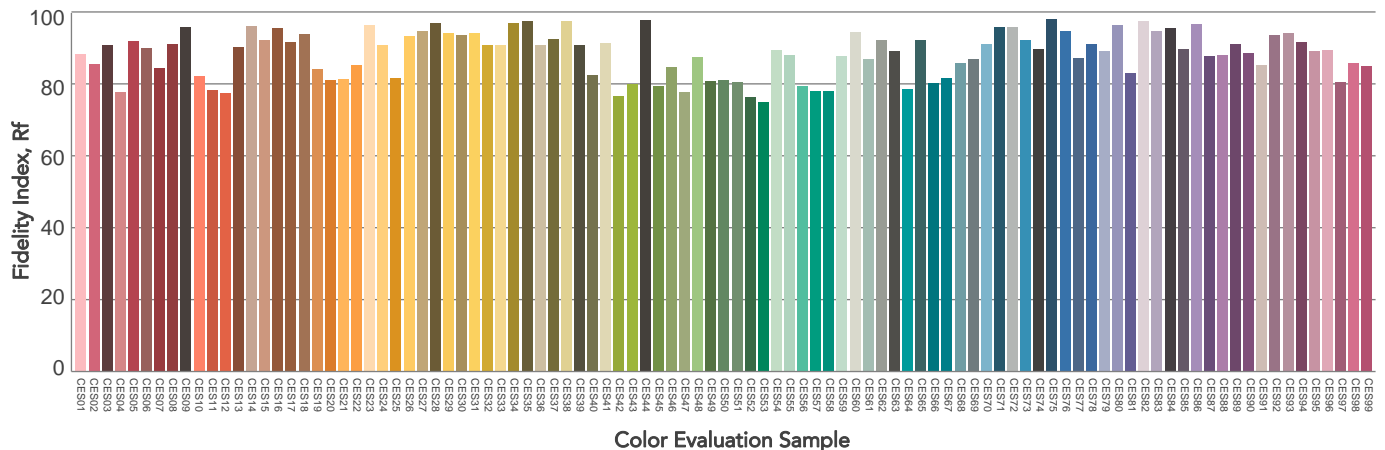
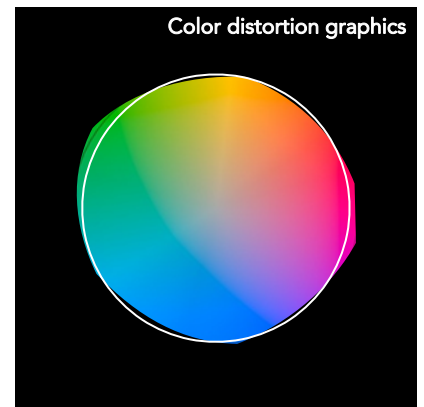
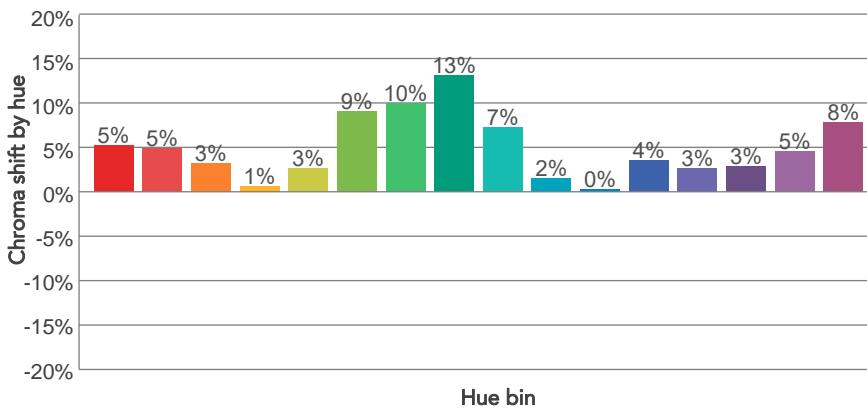
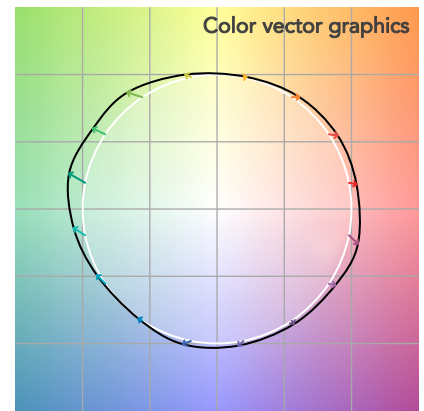
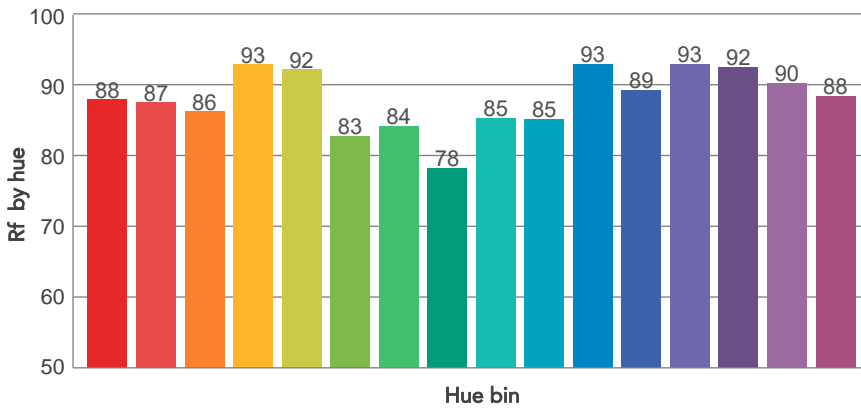
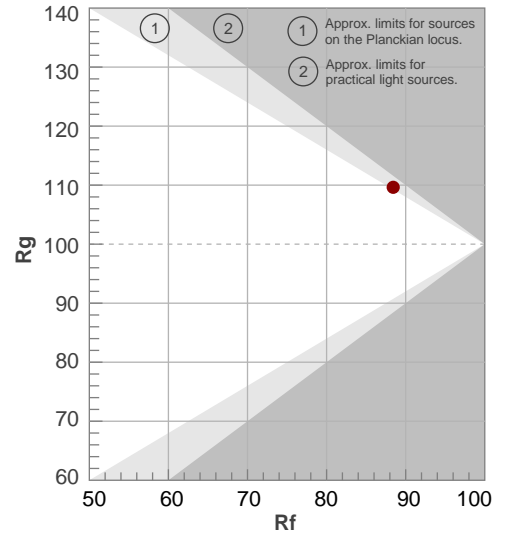
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3230 K	84,0	62,0	88,4	109,6	87,2	67	0,422	0,400	0,0005

# TM30 DETAILS

**Rf 88,4**  
Fidelity index Rf

**Rg 109,6**  
Gammut index

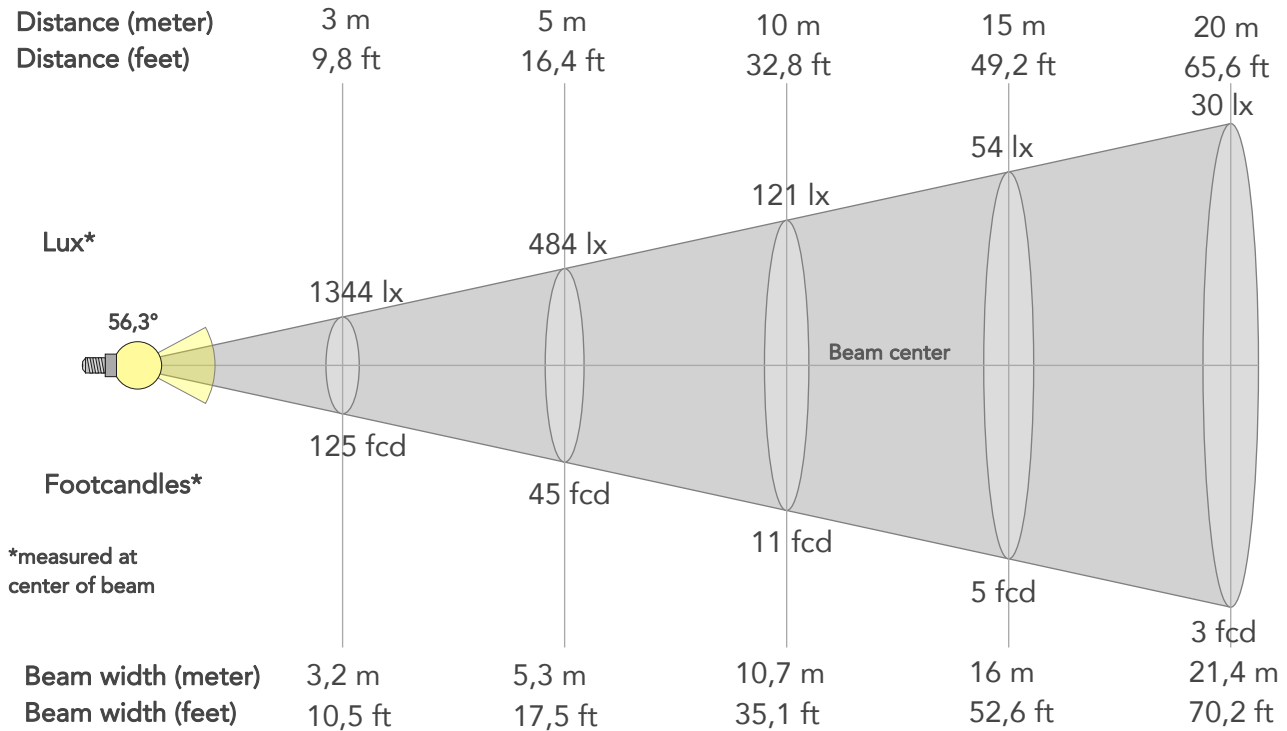
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	87	5%	-4%
3	86	3%	-5%
4	93	1%	-2%
5	92	3%	4%
6	83	9%	7%
7	84	10%	1%
8	78	13%	-4%
9	85	7%	-7%
10	85	2%	-9%
11	93	0%	-3%
12	89	4%	-5%
13	93	3%	-4%
14	92	3%	0%
15	90	5%	2%
16	88	8%	-5%



# BEAM DETAILS



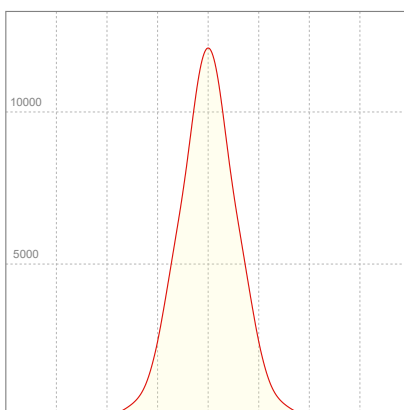
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,3°	107,7°	142,5°	94,1%	80,4%



## 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	12095lx	3024lx	1344lx	756lx	484lx	215lx	121lx	54lx	30lx	19lx	13lx	8lx	5lx
Footcand.	1124fcd	281fcd	125fcd	70fcd	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	32,1m	42,8m	53,5m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,5ft	26,3ft	35,1ft	52,6ft	70,2ft	87,7ft	105,3ft	140,4ft	175,5ft

## LINEAR DISTRIBUTION DIAGRAM

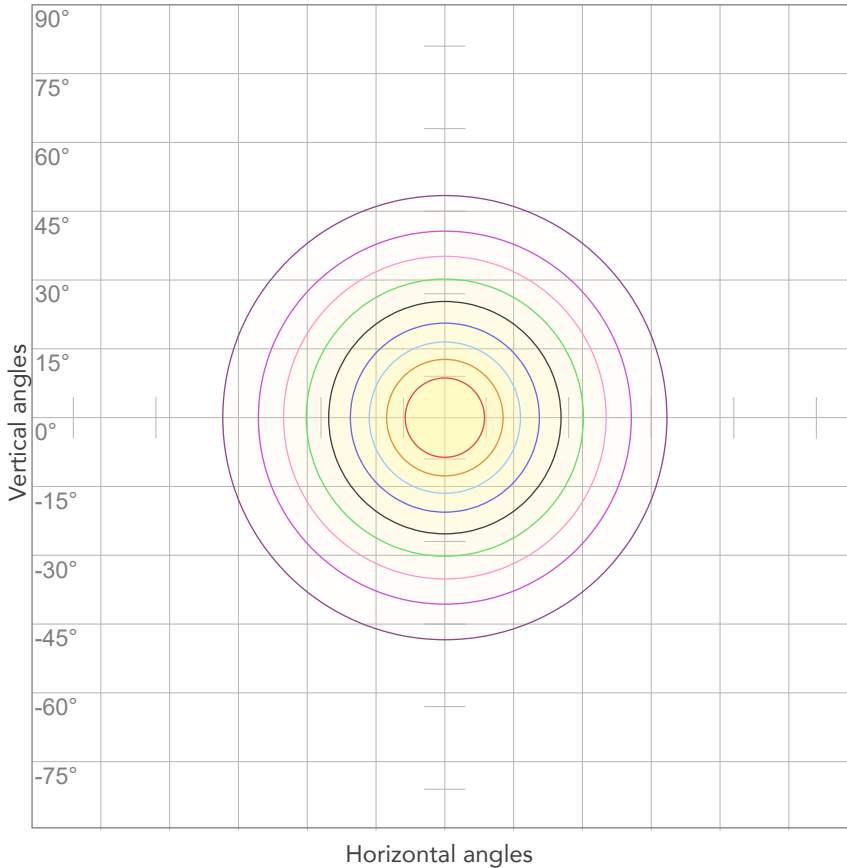


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,996A	214,6W	0,95	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



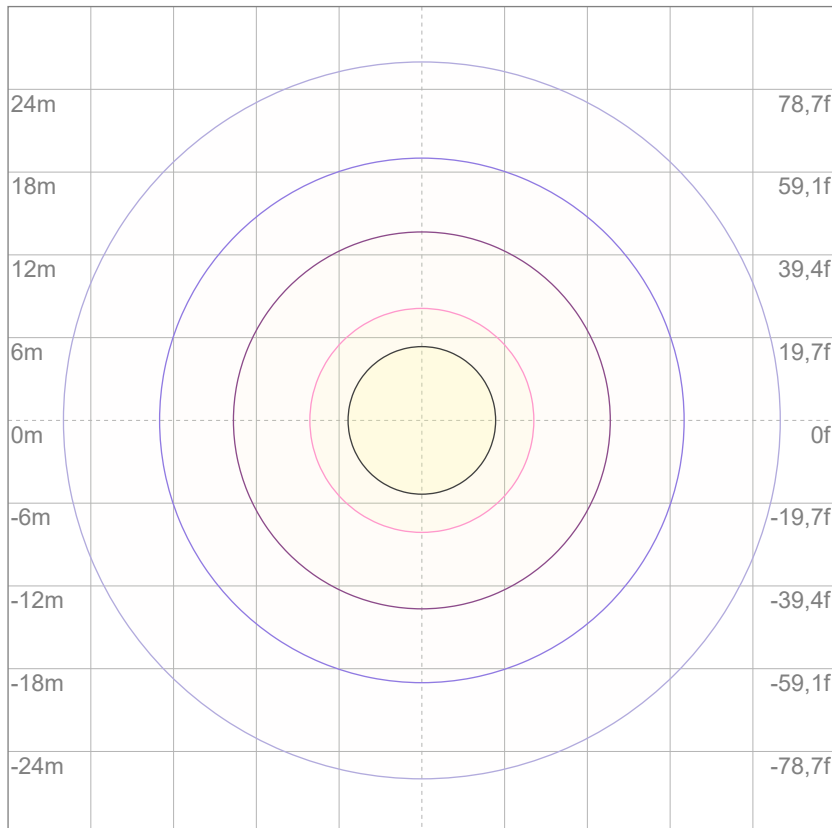
10%	1209 cd
20%	2419 cd
30%	3628 cd
40%	4838 cd
50%	6047 cd
60%	7257 cd
70%	8466 cd
80%	9676 cd

Conditions:

Number of c-planes: 2

Candela at center: 12095 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,63 lx
5%	6,05 lx
10%	12,1 lx
30%	36,3 lx
50%	60,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 121 lx

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



Total lumen output:

14778 lm

Peak candela output:

40974 cd

Light quality:

CRI: 83,8

Color temperature:

3231 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60°Filter

Target:

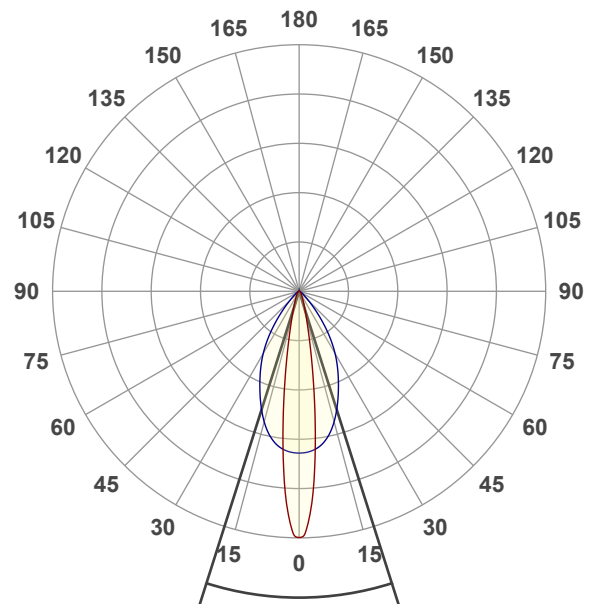
3200K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 11:06:35

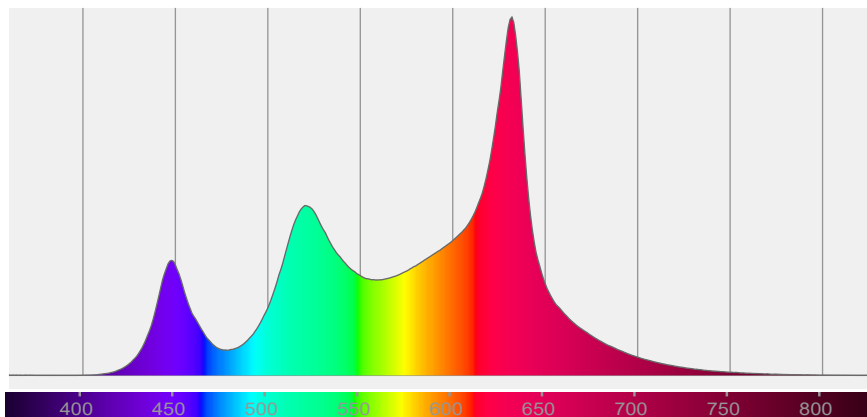


Beam angle 50%: 35,2°

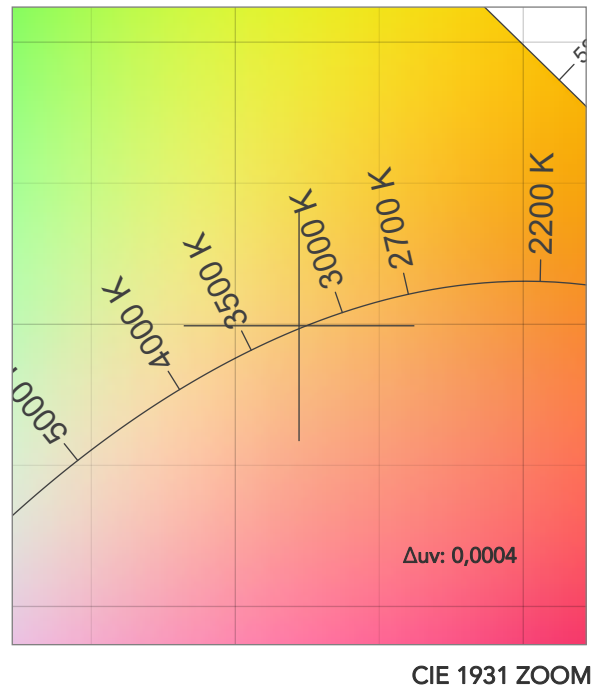
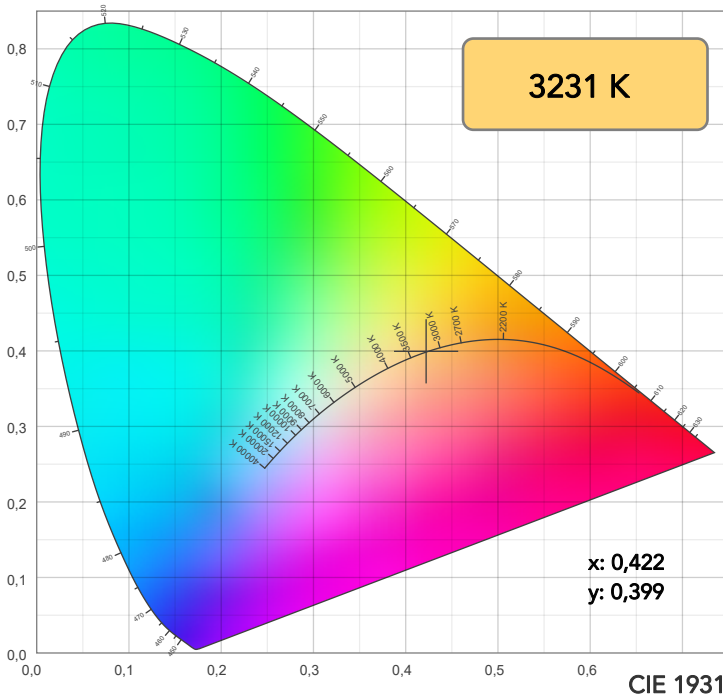
Field angle 10%: 59,8°

Cut off angle 2.5%: 84,7°

Spectra

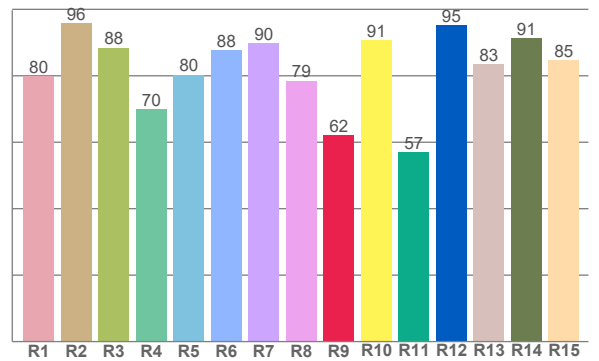
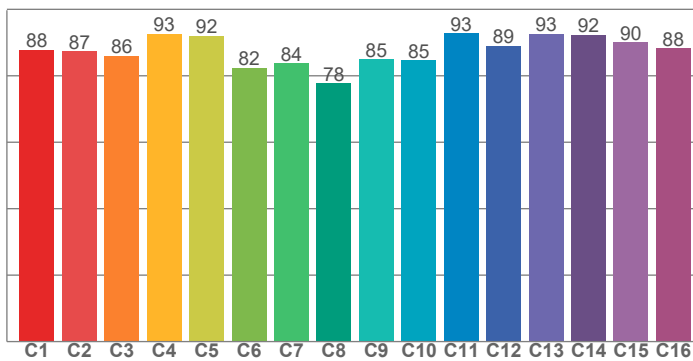


# COLOR DETAILS



TM30: 88,2

CRI: 83,8 (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
79,9	95,8	88,5	70,1	80,4	87,7	89,8	78,5	62,1	90,8	56,9	95,2	83,4	91,3	84,8

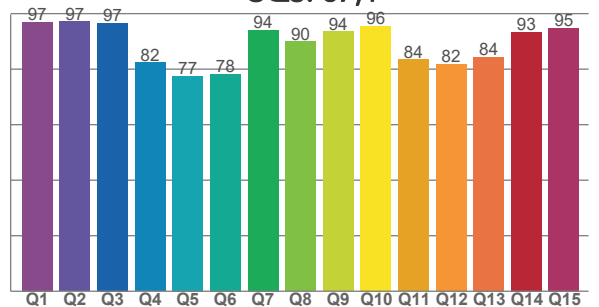
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,8	87,3	86,0	92,7	92,0	82,4	83,8	77,8	84,9	84,7	92,8	89,0	92,7	92,3	90,2	88,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	96,7	82,3	77,5	78,2	94,1	90,0	93,6	95,5	83,5	81,8	84,3	93,4	94,9

CQS: 87,1



## COLOR PARAMETERS

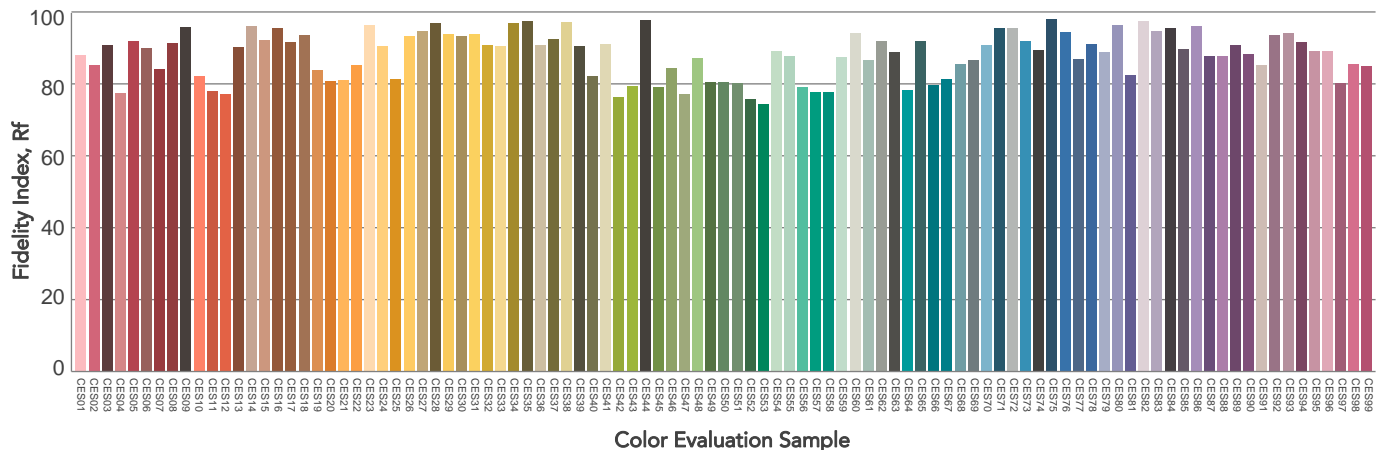
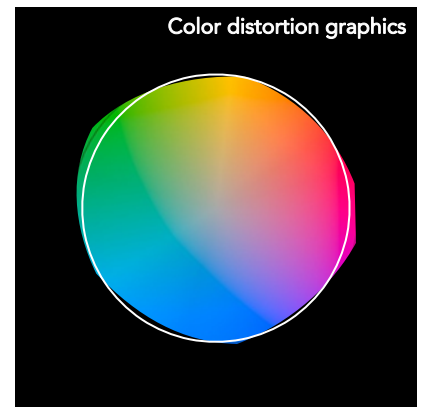
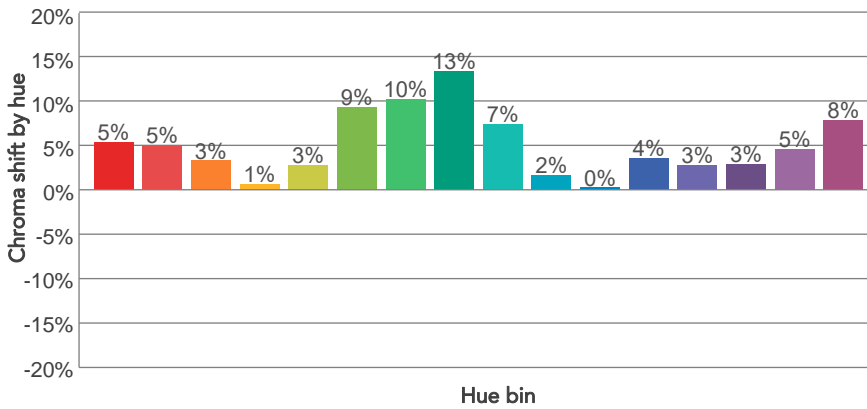
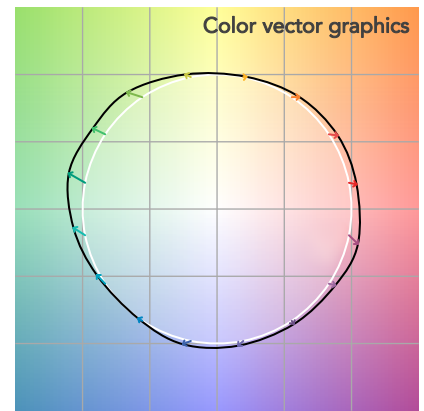
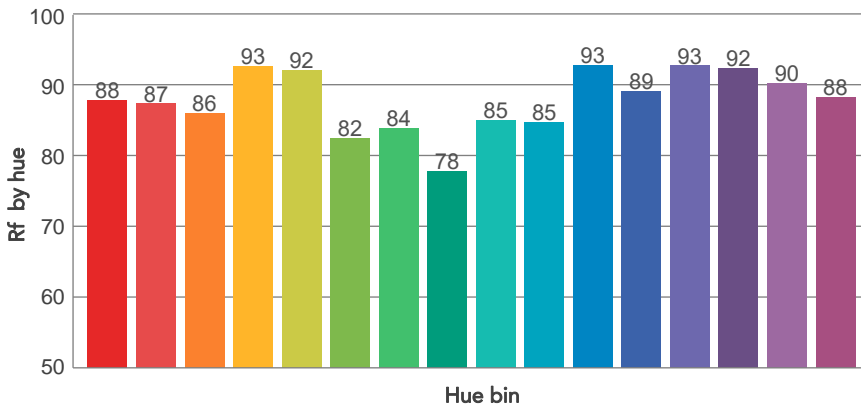
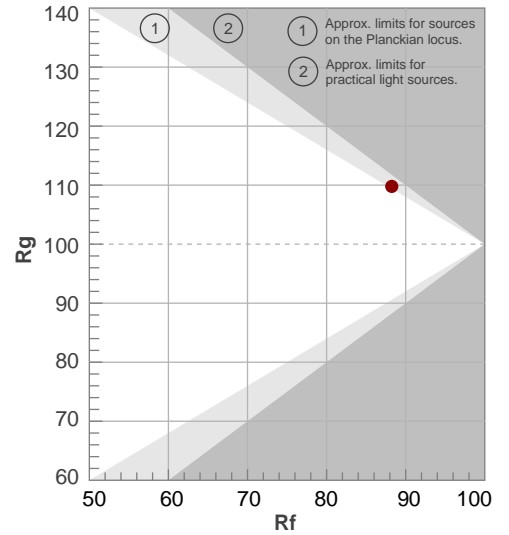
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3231 K	83,8	62,1	88,2	109,8	87,1	66	0,422	0,399	0,0004

# TM30 DETAILS

**Rf 88,2**  
Fidelity index Rf

**Rg 109,8**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	87	5%	-4%
3	86	3%	-5%
4	93	1%	-2%
5	92	3%	4%
6	82	9%	7%
7	84	10%	1%
8	78	13%	-4%
9	85	7%	-7%
10	85	2%	-9%
11	93	0%	-4%
12	89	4%	-5%
13	93	3%	-4%
14	92	3%	0%
15	90	5%	2%
16	88	8%	-5%

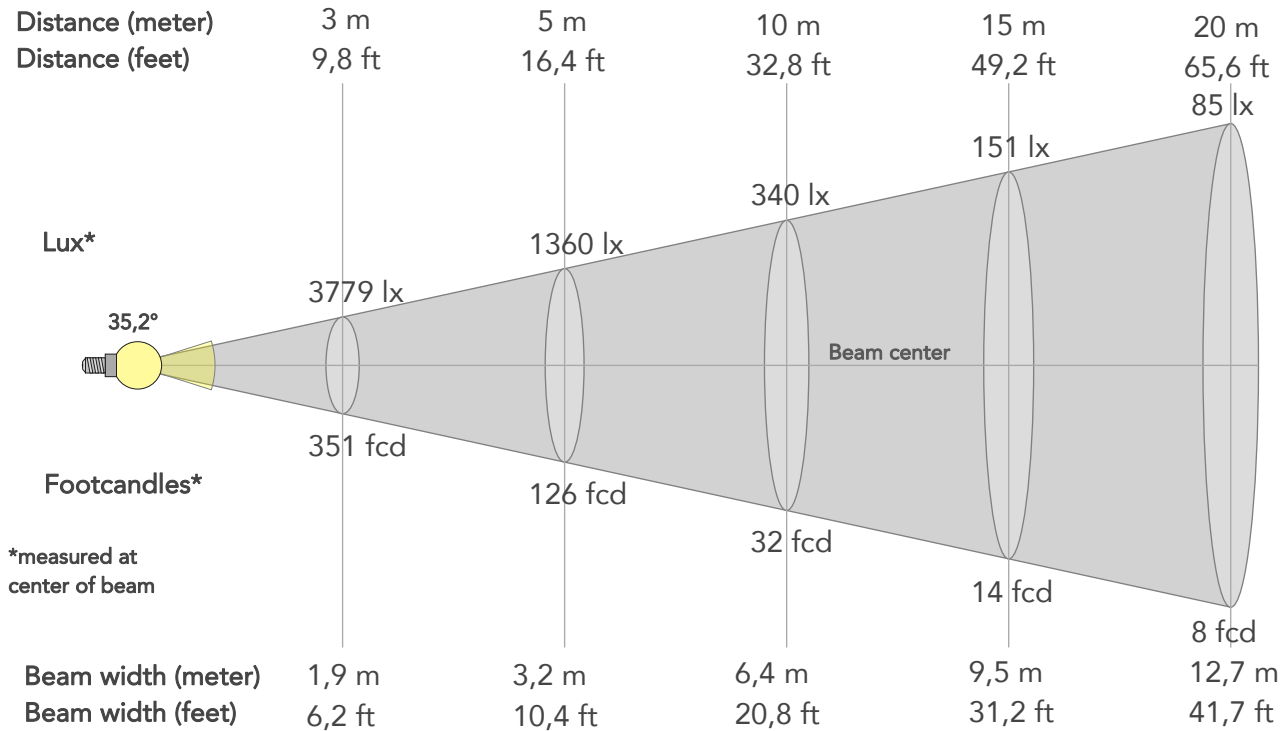




# BEAM DETAILS



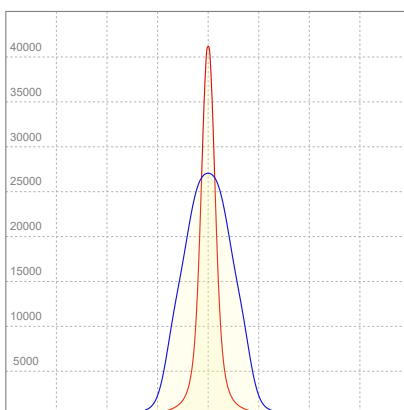
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,2°	59,8°	84,7°	97,5%	91,8%



## 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	34010lx	8503lx	3779lx	2126lx	1360lx	605lx	340lx	151lx	85lx	54lx	38lx	21lx	14lx
Footcand.	3160fcd	790fcd	351fcd	197fcd	126fcd	56fcd	32fcd	14fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,8m	6,4m	9,5m	12,7m	15,9m	19,1m	25,4m	31,8m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,6ft	20,8ft	31,2ft	41,7ft	52,1ft	62,5ft	83,3ft	104,2ft

## LINEAR DISTRIBUTION DIAGRAM

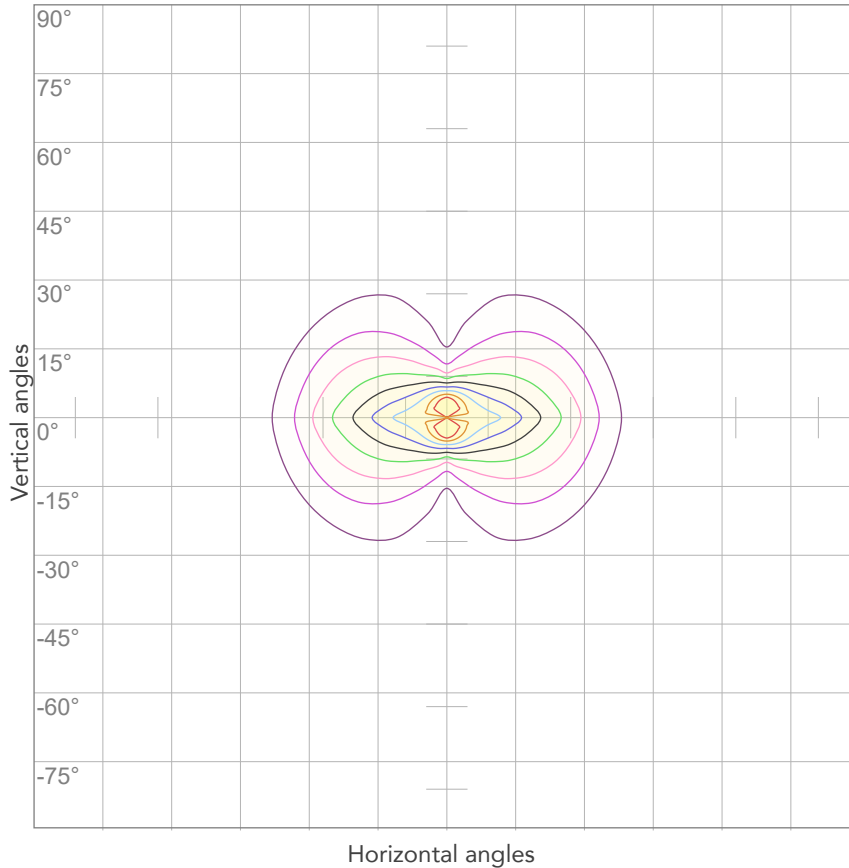


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,997A	215,4W	0,95	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



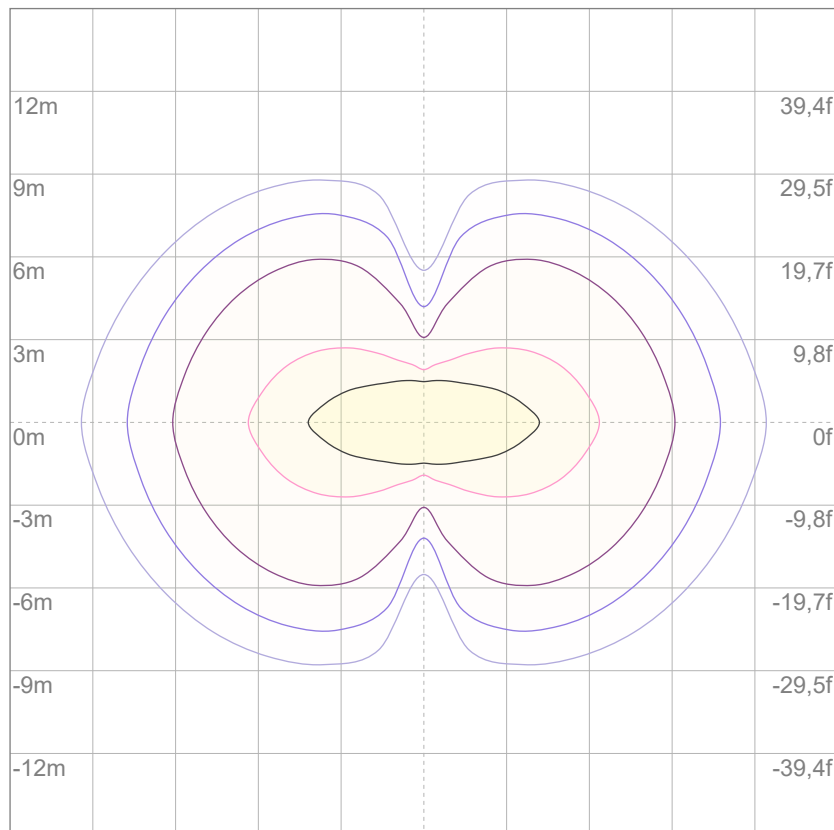
10%	3401 cd
20%	6802 cd
30%	10203 cd
40%	13604 cd
50%	17005 cd
60%	20406 cd
70%	23807 cd
80%	27208 cd

### Conditions:

Number of c-planes: 4

Candela at center: 34010 cd

## ISO LUX DIAGRAM



3%	10,2 lx
5%	17,0 lx
10%	34,0 lx
30%	102 lx
50%	170 lx

### Conditions:

Number of c-planes: 4

Lux at center: 340 lx

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



Total lumen output:

13588 lm

Peak candela output:

20652 cd

Light quality:

CRI: 84,0

Color temperature:

3225 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

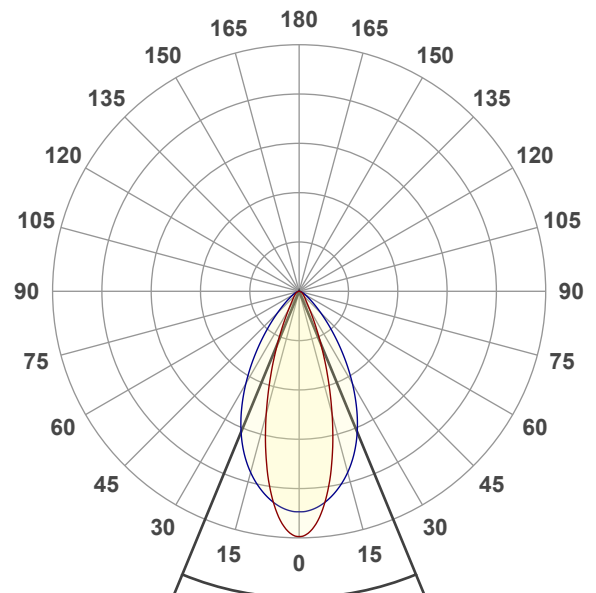
3200K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 14:03:40

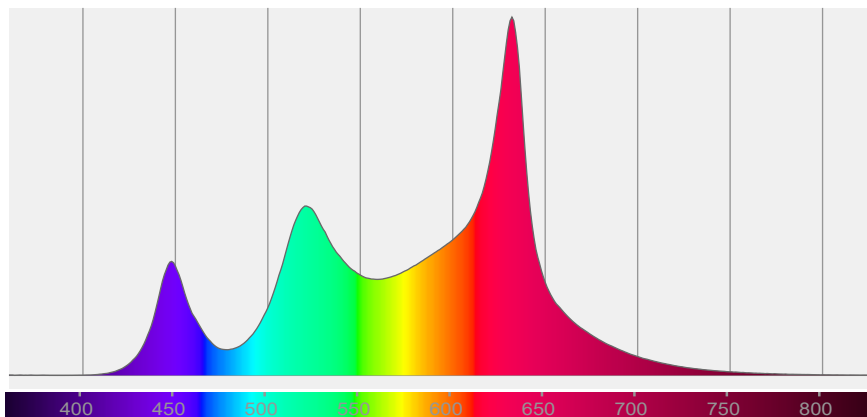


Beam angle 50%: 44,8°

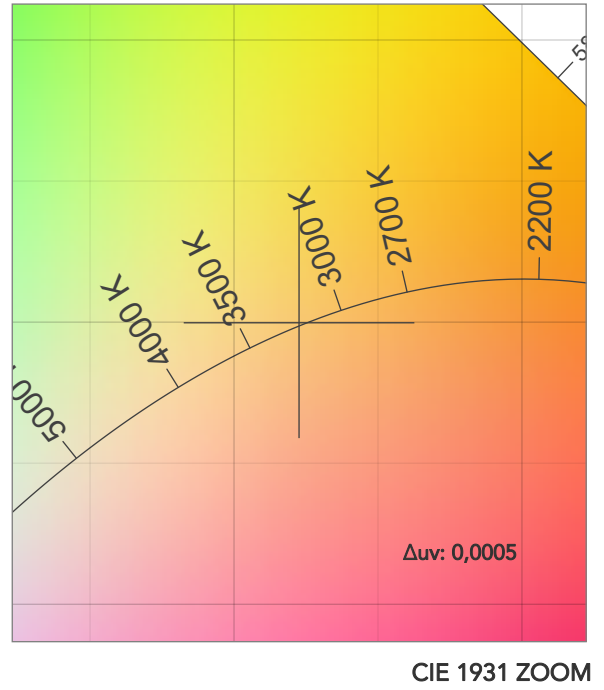
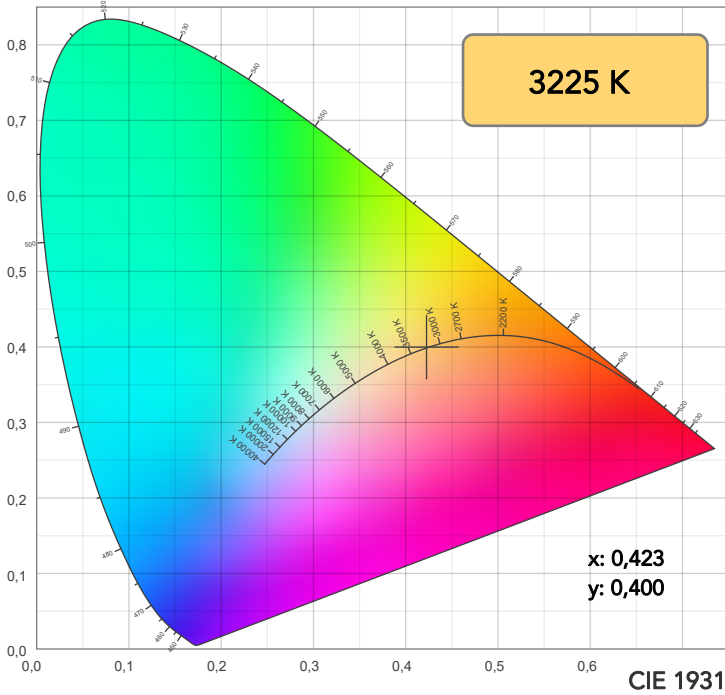
Field angle 10%: 77,1°

Cut off angle 2.5%: 112,1°

Spectra

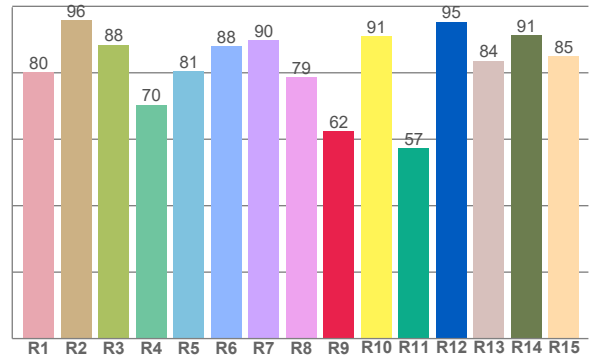
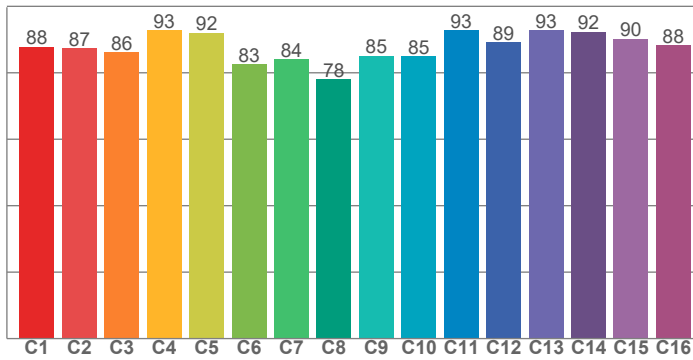


# COLOR DETAILS



TM30: 88,4

CRI: 84,0 (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
80,2	95,8	88,5	70,4	80,6	87,9	89,8	78,7	62,4	91,0	57,4	95,4	83,6	91,3	85,0

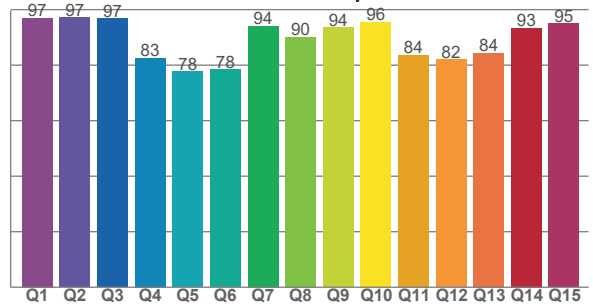
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
87,9	87,4	86,2	92,8	92,1	82,6	84,0	78,0	85,1	84,9	92,9	89,1	92,7	92,4	90,3	88,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	97,1	96,7	82,6	77,7	78,4	94,1	90,1	93,6	95,5	83,7	82,0	84,5	93,4	94,9

CQS: 87,2



## COLOR PARAMETERS

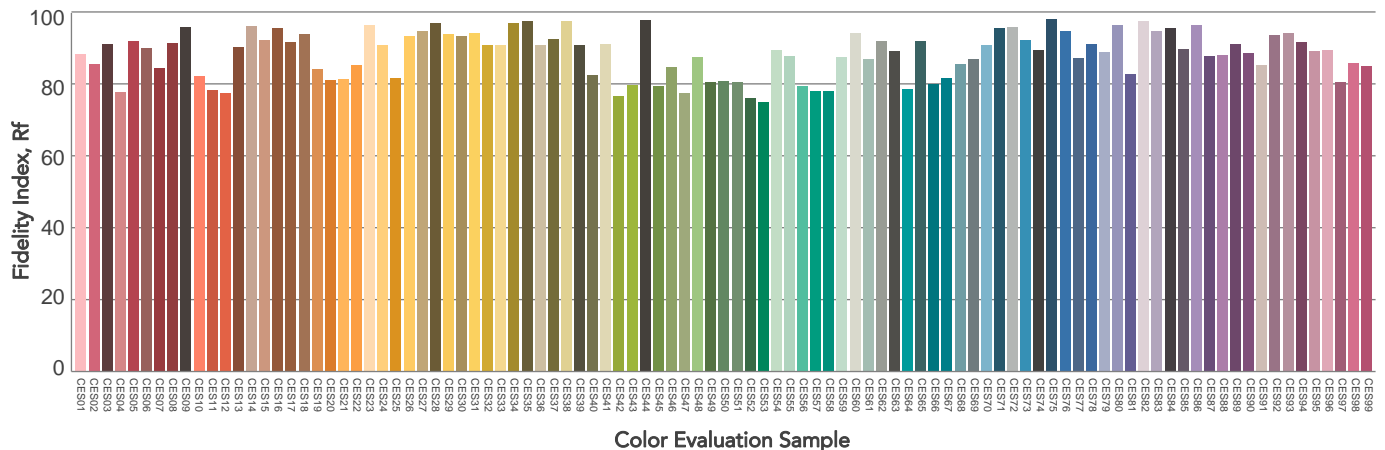
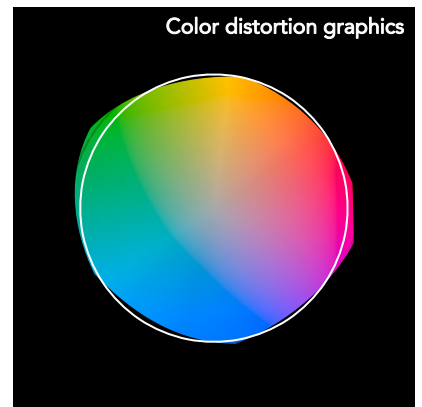
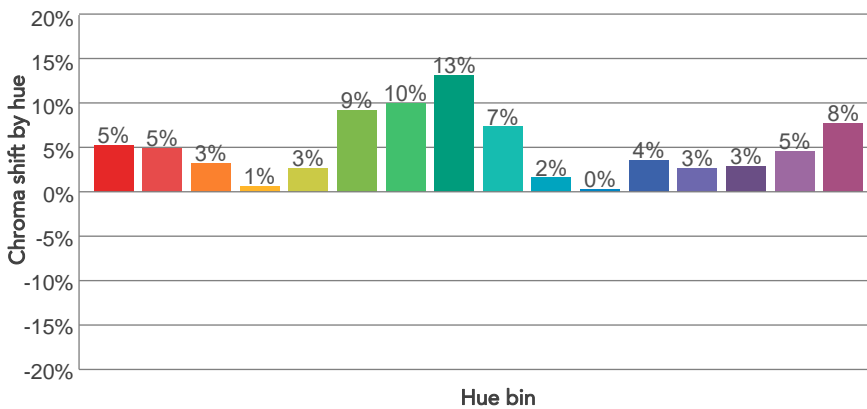
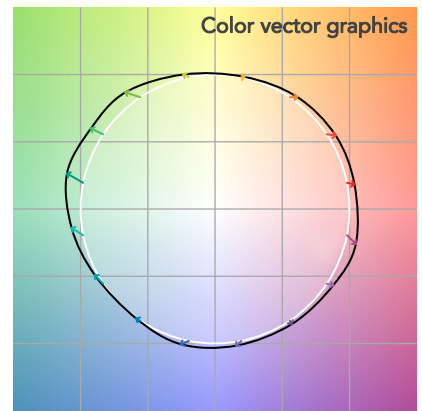
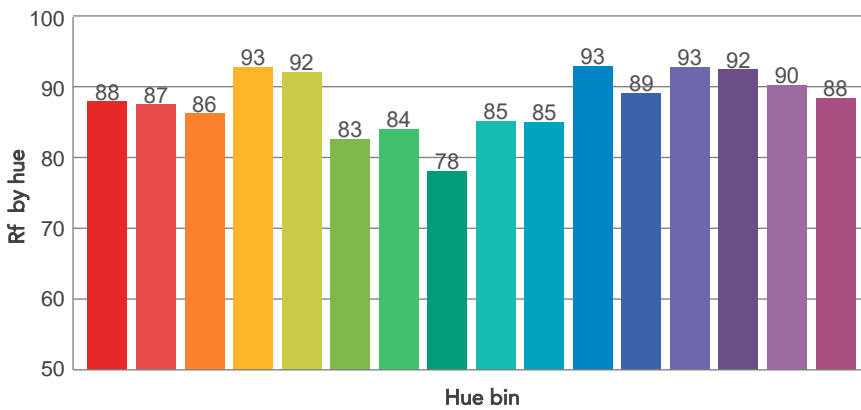
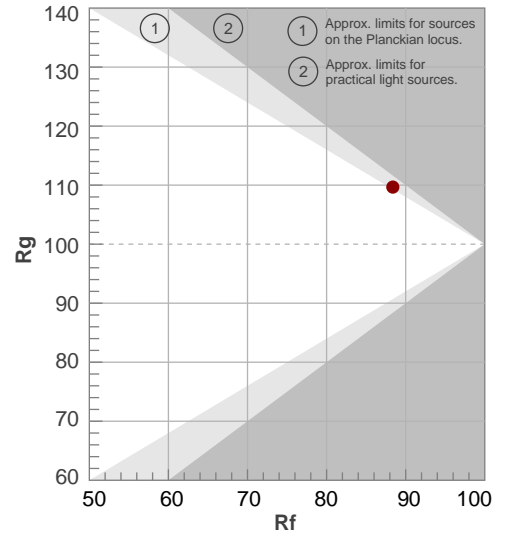
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3225 K	84,0	62,4	88,4	109,7	87,2	67	0,423	0,400	0,0005

# TM30 DETAILS

**Rf 88,4**  
Fidelity index Rf

**Rg 109,7**  
Gammut index

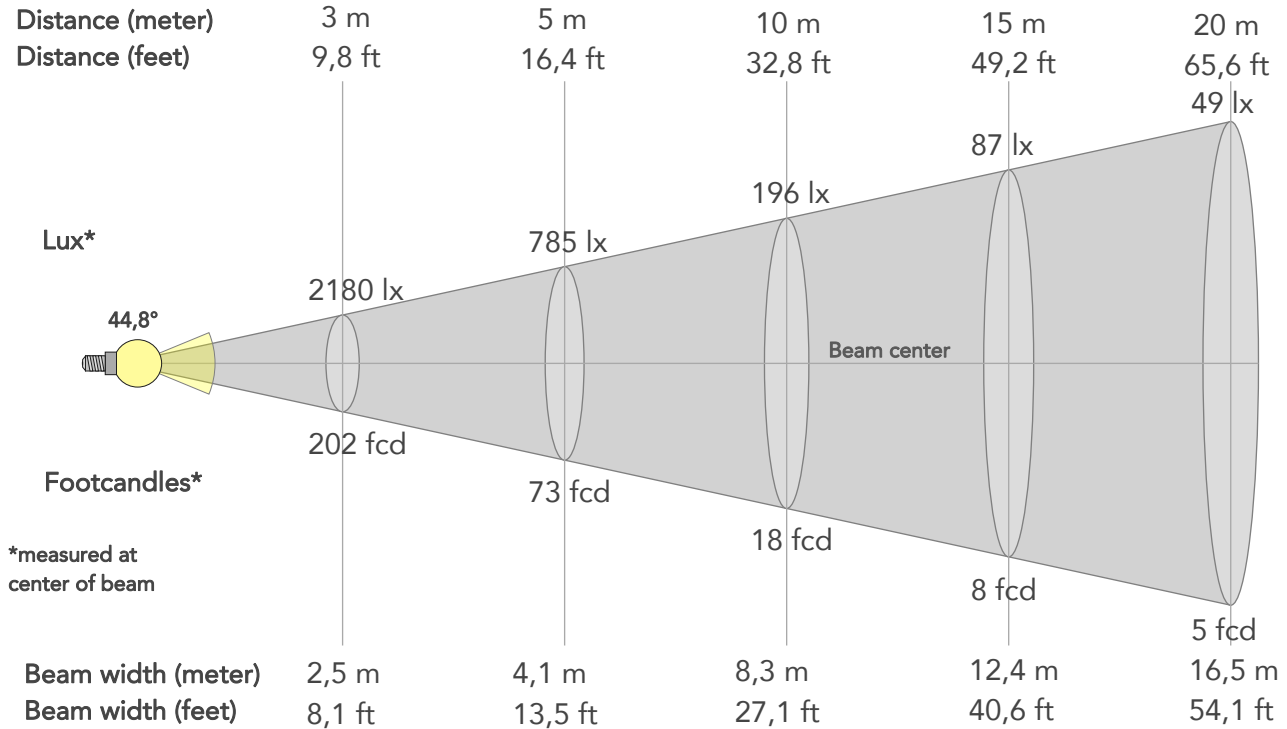
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	5%	-2%
2	87	5%	-4%
3	86	3%	-4%
4	93	1%	-2%
5	92	3%	4%
6	83	9%	7%
7	84	10%	1%
8	78	13%	-4%
9	85	7%	-7%
10	85	2%	-9%
11	93	0%	-4%
12	89	4%	-5%
13	93	3%	-4%
14	92	3%	0%
15	90	5%	2%
16	88	8%	-5%



# BEAM DETAILS



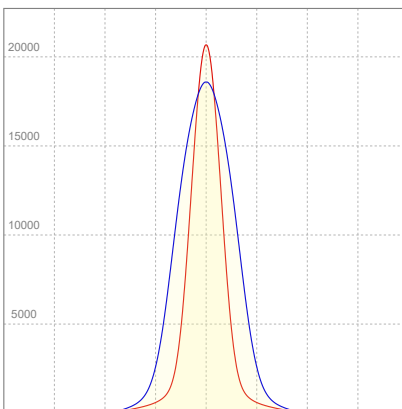
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	77,1°	112,1°	96,0%	87,7%



## 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	19616lx	4904lx	2180lx	1226lx	785lx	349lx	196lx	87lx	49lx	31lx	22lx	12lx	8lx
Footcand.	1822fcd	456fcd	202fcd	114fcd	73fcd	32fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,6m	24,8m	33m	41,3m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27,1ft	40,6ft	54,1ft	67,7ft	81,2ft	108,3ft	135,3ft

## LINEAR DISTRIBUTION DIAGRAM

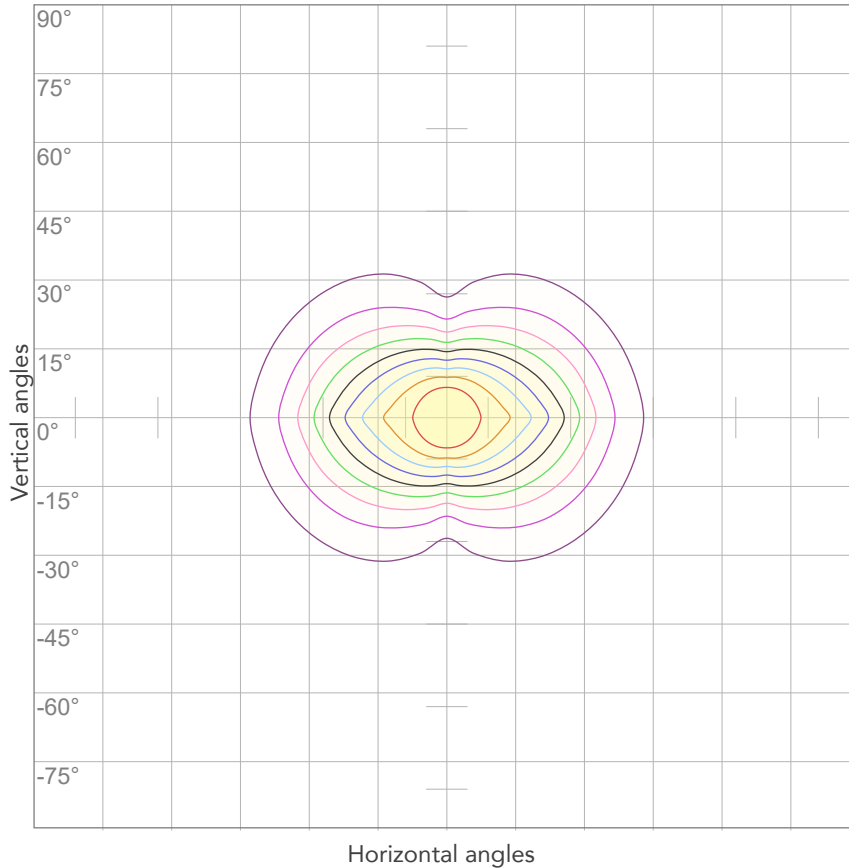


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,997A	215W	0,95	63lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



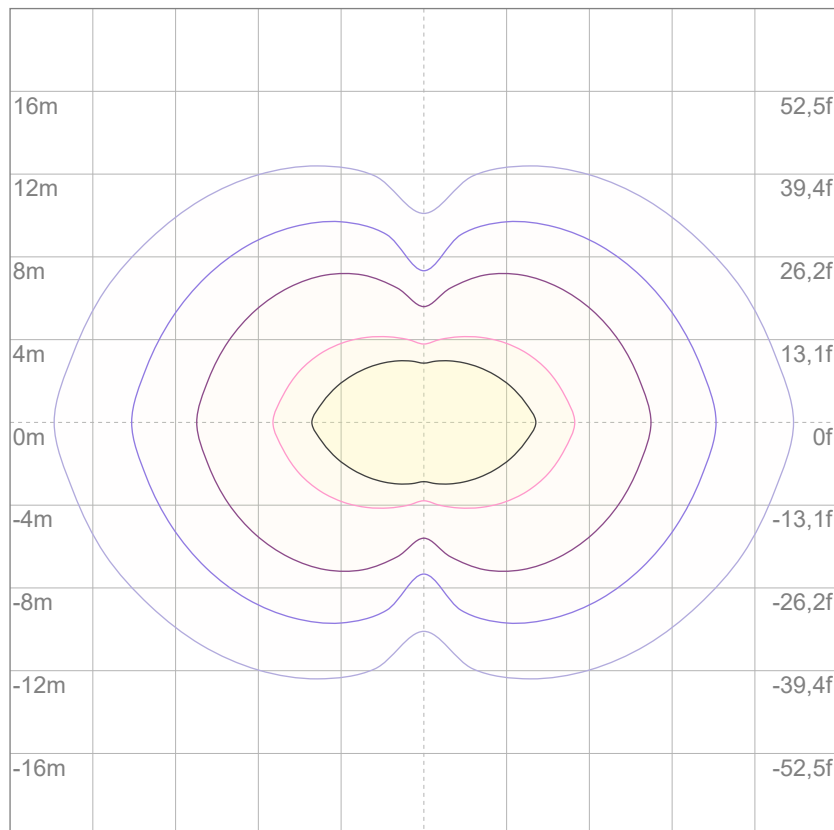
10%	1962 cd
20%	3923 cd
30%	5885 cd
40%	7846 cd
50%	9808 cd
60%	11770 cd
70%	13731 cd
80%	15693 cd

Conditions:

Number of c-planes: 4

Candela at center: 19616 cd

## ISO LUX DIAGRAM



3%	5,88 lx
5%	9,81 lx
10%	19,6 lx
30%	58,8 lx
50%	98,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 196 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

13010 lm

Peak candela output:

269902 cd

Light quality:

CRI: 85,5

Color temperature:

4046 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native Optic - 10°

Target:

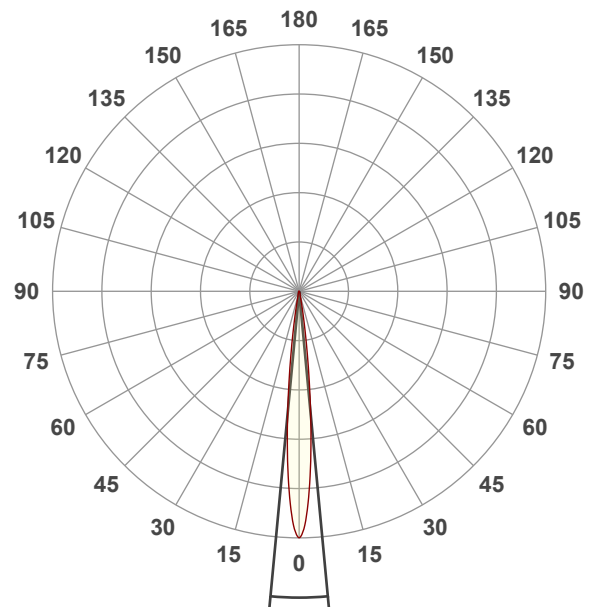
4000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 11:41:06

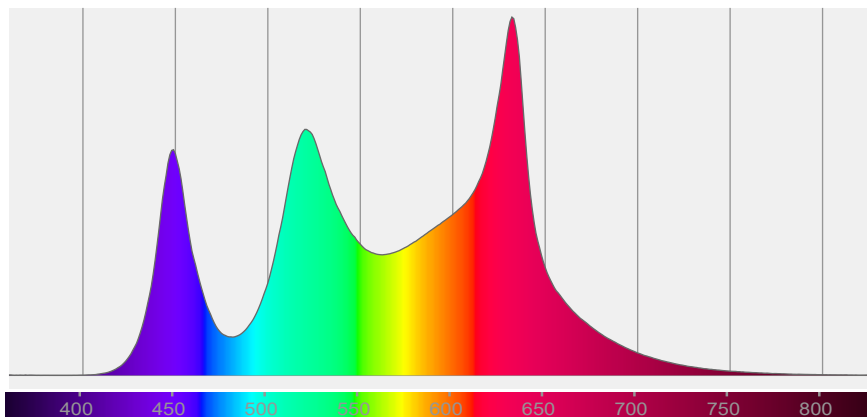


Beam angle 50%: 10,7°

Field angle 10%: 19,3°

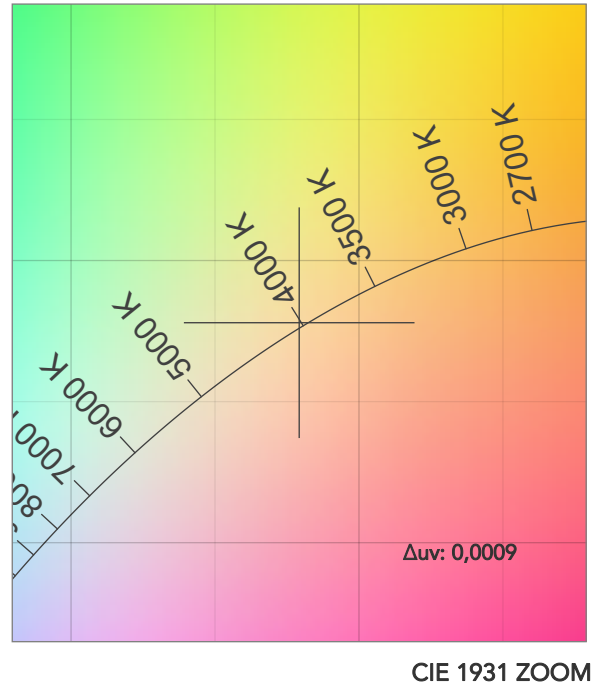
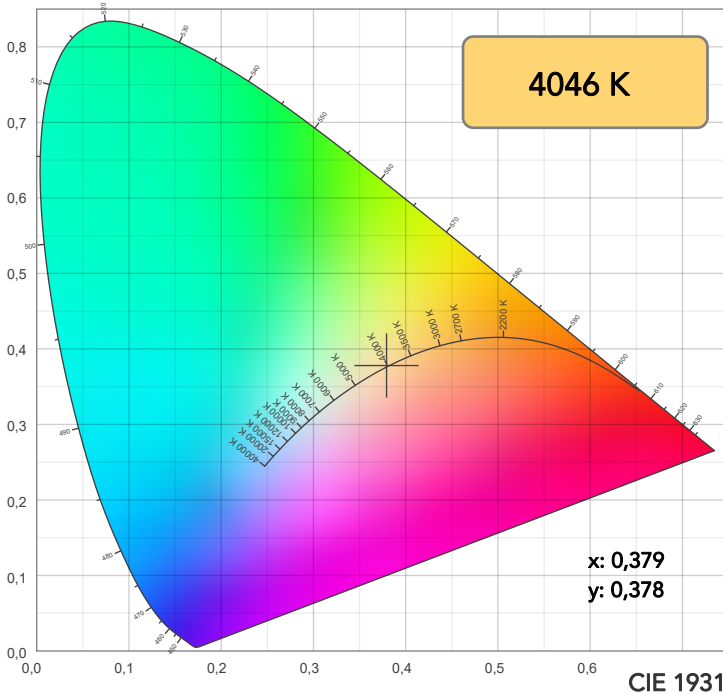
Cut off angle 2.5%: 26,2°

Spectra

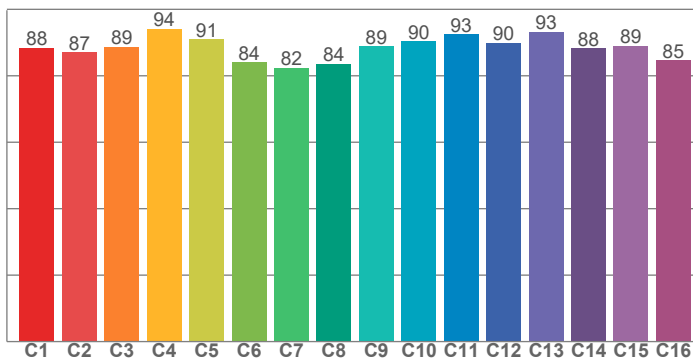




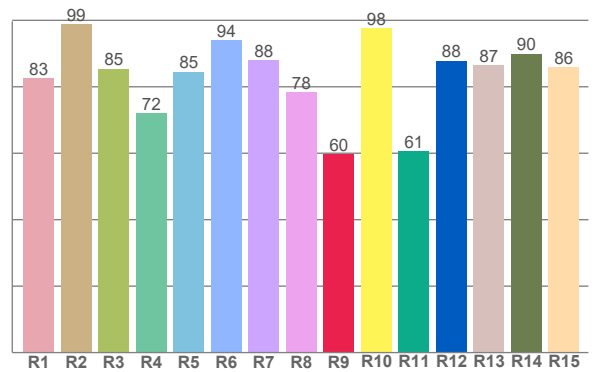
# COLOR DETAILS



TM30: 89,0



CRI: 85,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,6	98,8	85,4	72,1	84,5	94,1	88,1	78,5	59,8	97,6	60,5	87,8	86,6	90,0	85,8

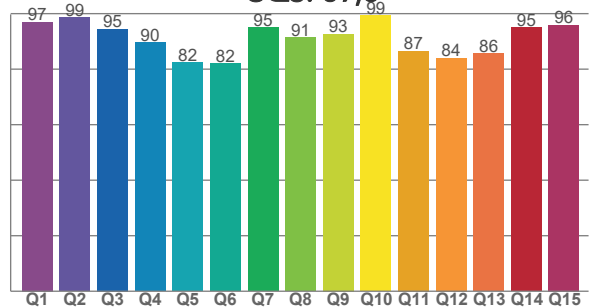
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,4	87,1	88,7	94,1	91,0	84,1	82,4	83,6	88,9	90,3	92,6	89,9	93,2	88,4	89,0	84,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	98,5	94,5	89,6	82,3	82,0	95,0	91,3	92,6	99,4	86,5	84,0	85,6	95,0	95,9

CQS: 89,6



## COLOR PARAMETERS

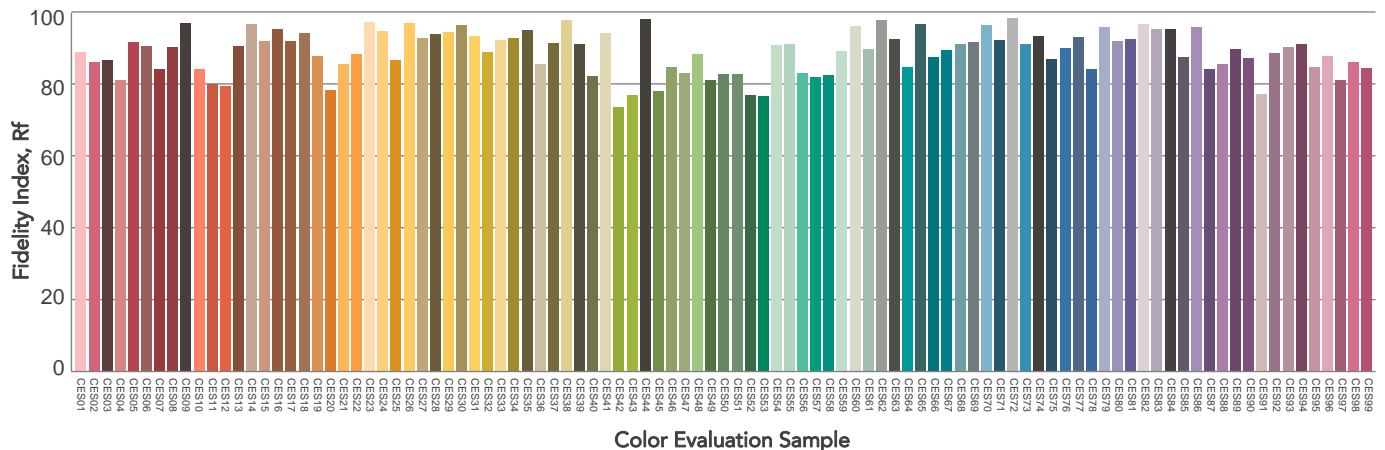
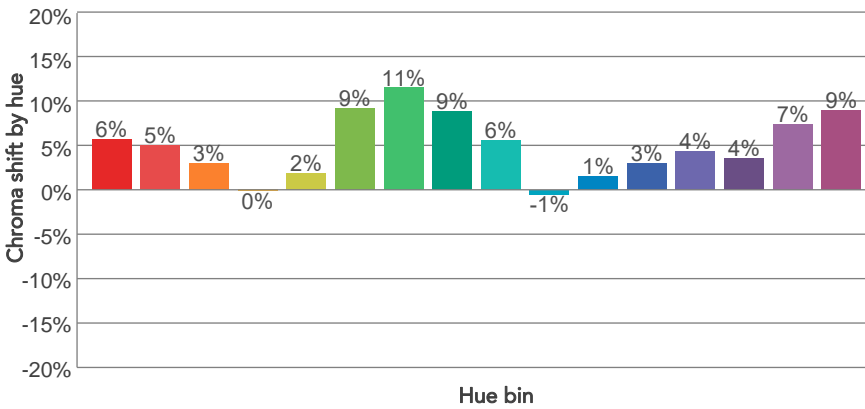
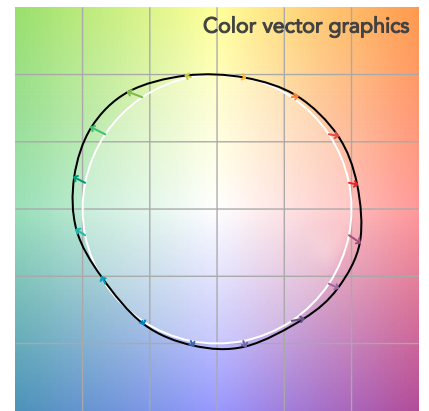
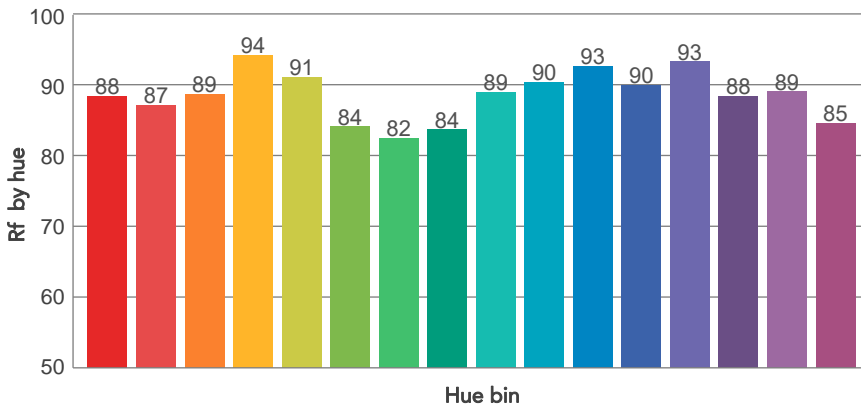
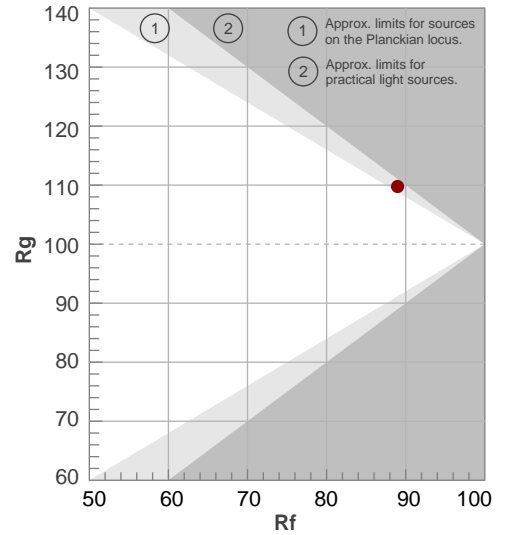
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4046 K	85,5	59,8	89,0	109,8	89,6	70	0,379	0,378	0,0009

# TM30 DETAILS

**Rf 89,0**  
Fidelity index Rf

**Rg 109,8**  
Gammut index

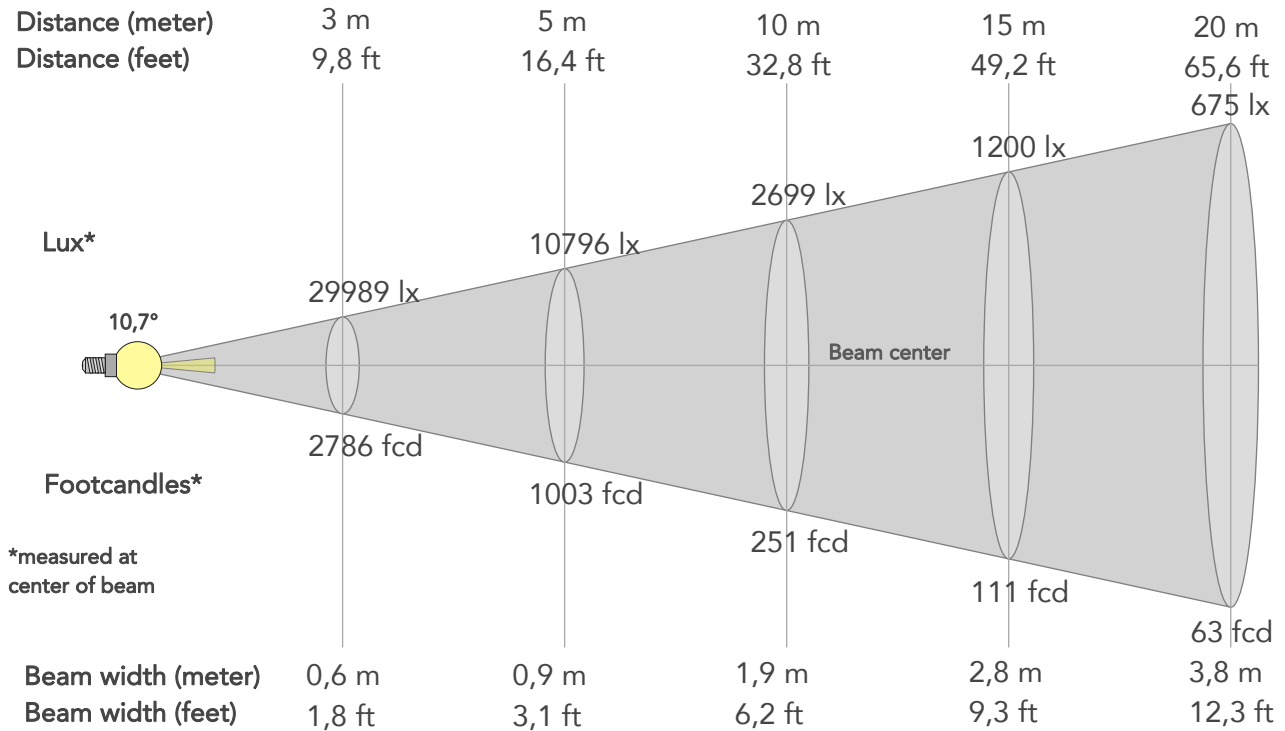
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	0%	-1%
5	91	2%	4%
6	84	9%	7%
7	82	11%	1%
8	84	9%	-2%
9	89	6%	-5%
10	90	-1%	-5%
11	93	1%	2%
12	90	3%	3%
13	93	4%	1%
14	88	4%	8%
15	89	7%	1%
16	85	9%	-4%



# BEAM DETAILS



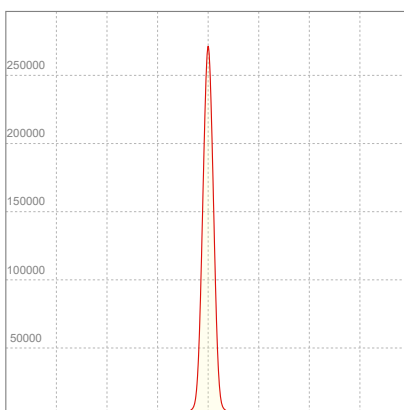
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,7°	19,3°	26,2°	99,7%	97,8%



## 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	269902lx	67475lx	29989lx	16869lx	10796lx	4798lx	2699lx	1200lx	675lx	432lx	300lx	169lx	108lx
Footcand.	25075fcd	6269fcd	2786fcd	1567fcd	1003fcd	446fcd	251fcd	111fcd	63fcd	40fcd	28fcd	16fcd	10fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,6m	7,5m	9,4m
Beam wid.	0,6ft	1,2ft	1,8ft	2,5ft	3,1ft	4,6ft	6,2ft	9,3ft	12,3ft	15,4ft	18,5ft	24,7ft	30,8ft

## LINEAR DISTRIBUTION DIAGRAM

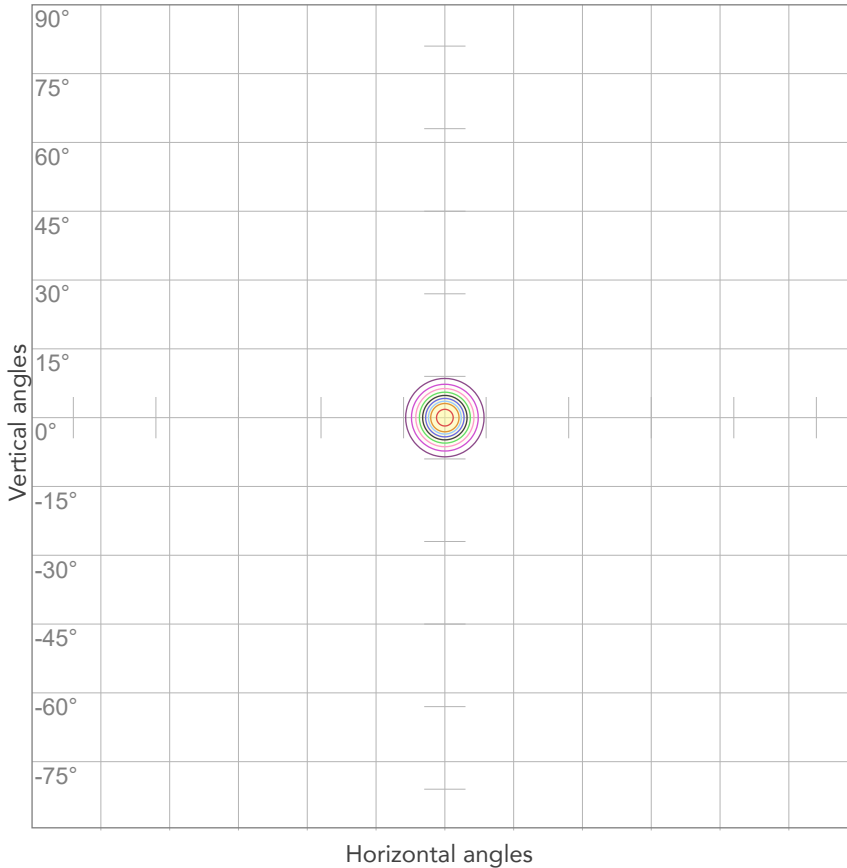


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,997A	213,4W	0,95	61lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



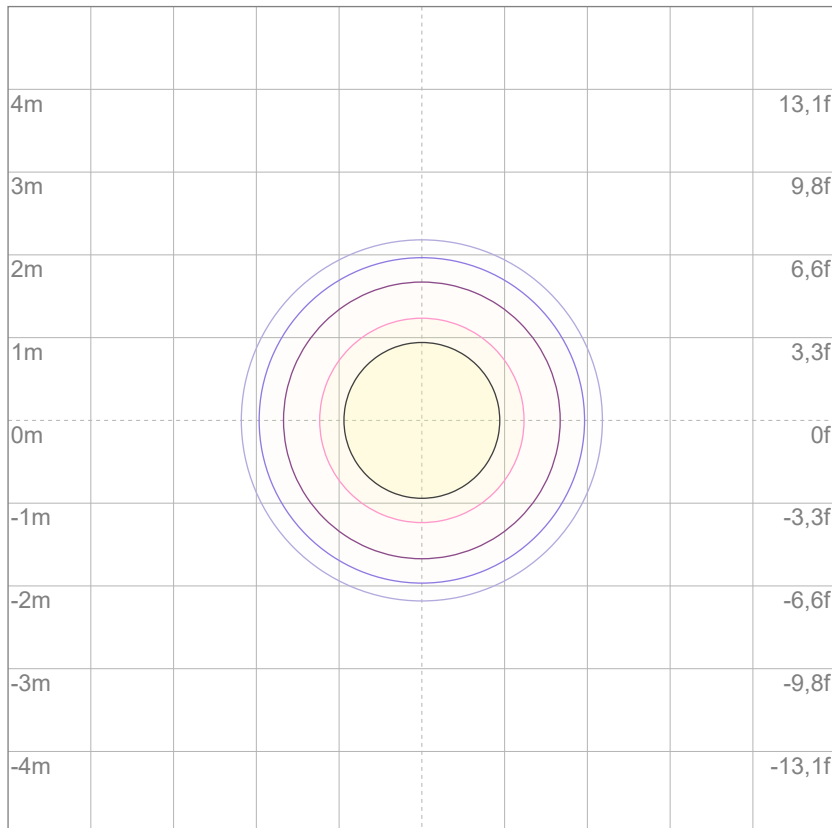
10%	26990 cd
20%	53980 cd
30%	80970 cd
40%	107961 cd
50%	134951 cd
60%	161941 cd
70%	188931 cd
80%	215921 cd

Conditions:

Number of c-planes: 2

Candela at center: 269902 cd

## ISO LUX DIAGRAM



3%	81,0 lx
5%	135 lx
10%	270 lx
30%	810 lx
50%	1350 lx

Conditions:

Number of c-planes: 2

Lux at center: 2699 lx

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



Total lumen output:

13215 lm

Peak candela output:

53715 cd

Light quality:

CRI: 85,4

Color temperature:

4045 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20°Filter

Target:

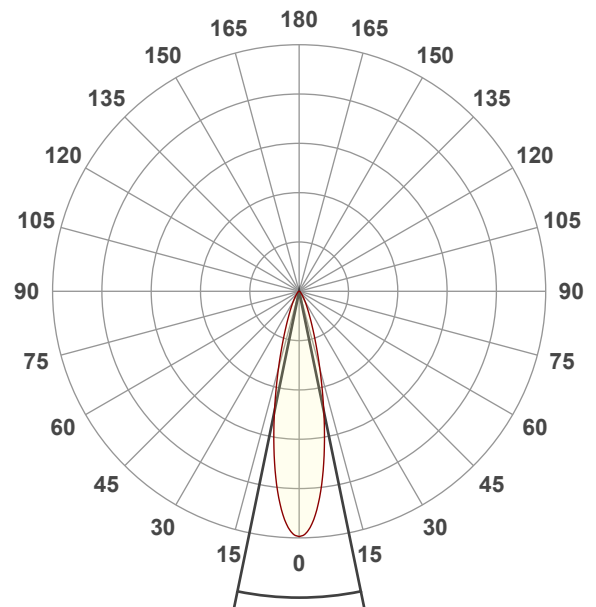
4000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 15:54:17

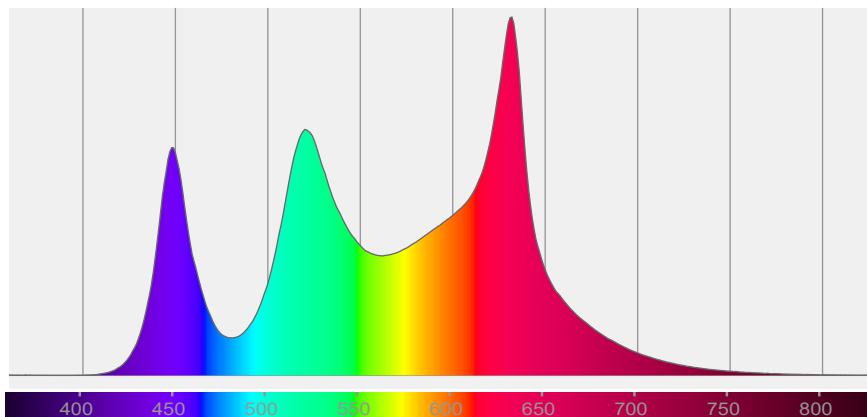


Beam angle 50%: 23,2°

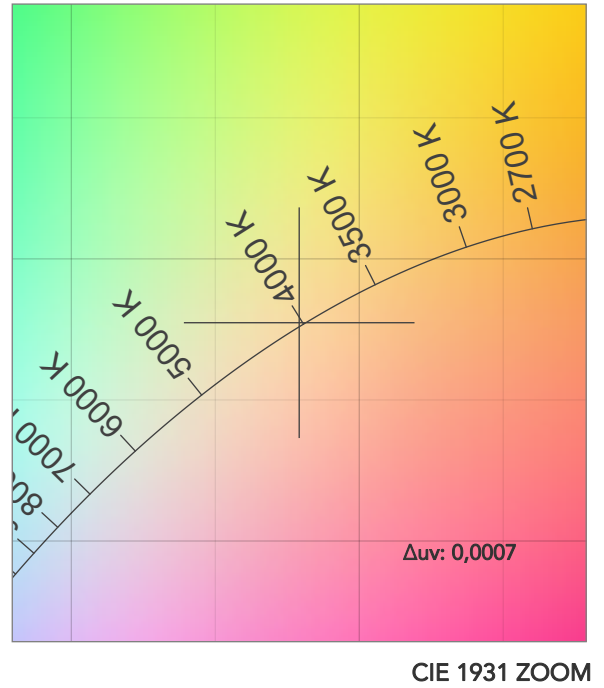
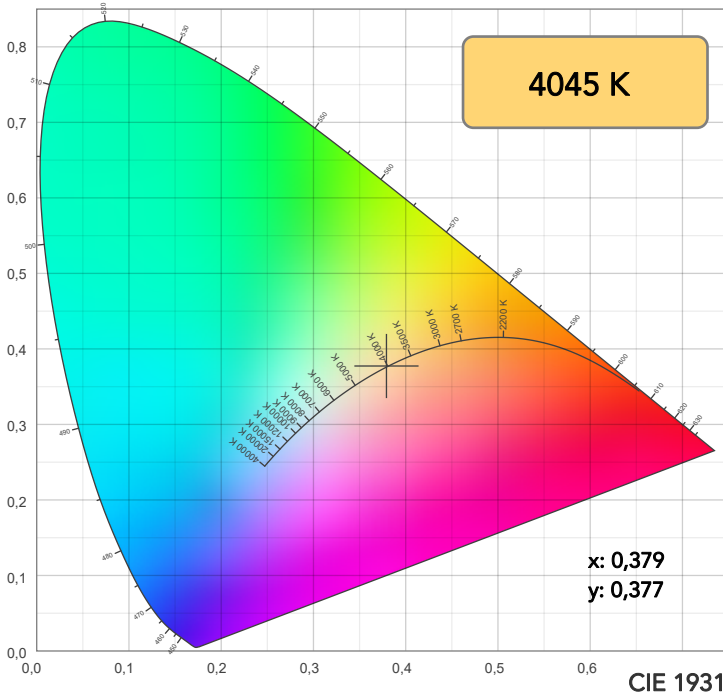
Field angle 10%: 47,4°

Cut off angle 2.5%: 72,6°

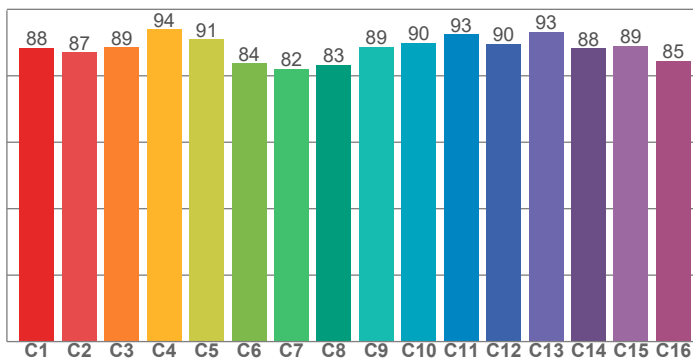
Spectra



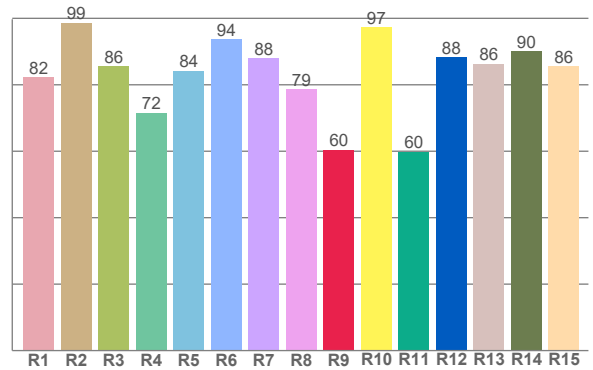
# COLOR DETAILS



**TM30: 88,8**



**CRI: 85,4 (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
82,3	98,7	85,6	71,6	84,2	93,7	88,1	78,7	60,5	97,3	59,9	88,3	86,4	90,0	85,7

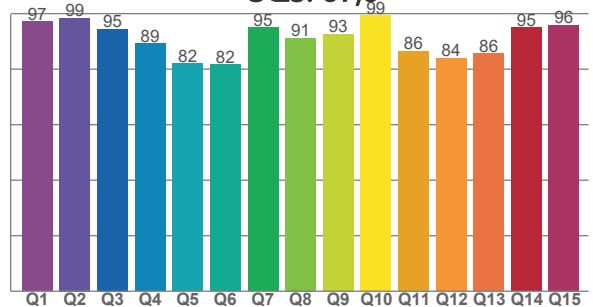
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,4	87,1	88,6	94,0	90,9	83,7	82,0	83,3	88,7	89,9	92,6	89,7	93,2	88,2	89,0	84,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,2	98,5	94,5	89,3	81,9	81,7	95,0	91,3	92,7	99,4	86,5	84,0	85,7	94,9	95,9

**CQS: 89,5**



## COLOR PARAMETERS

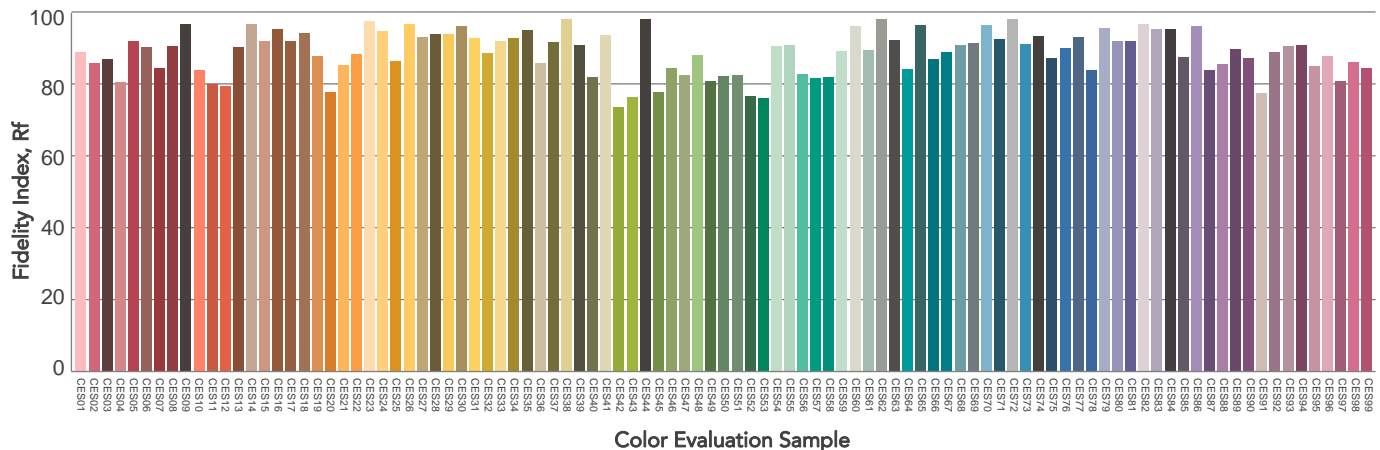
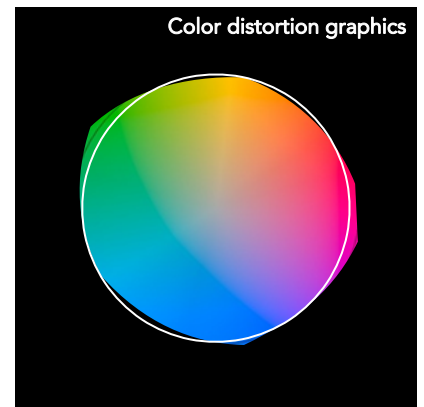
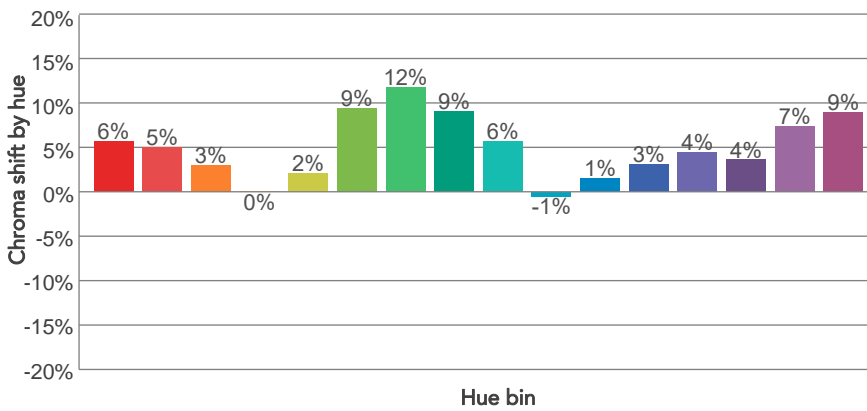
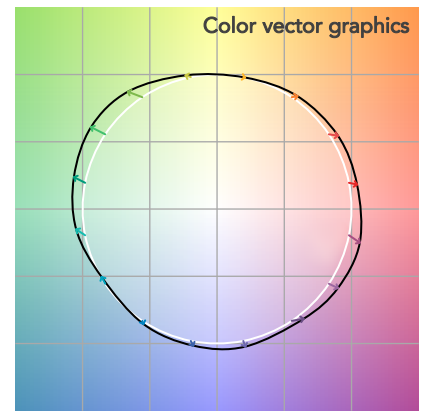
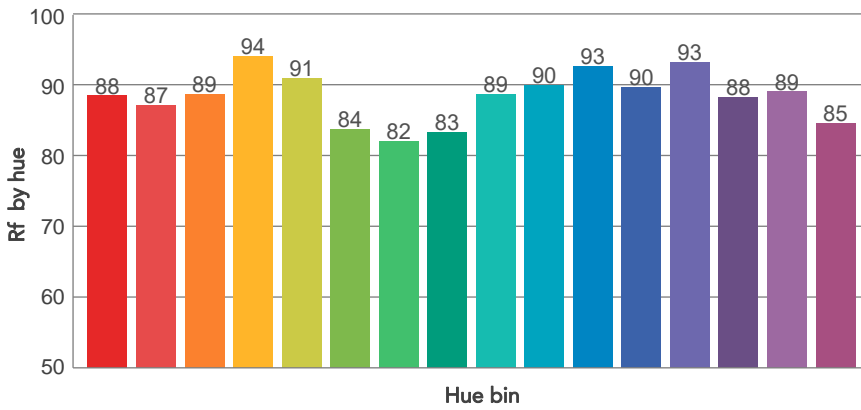
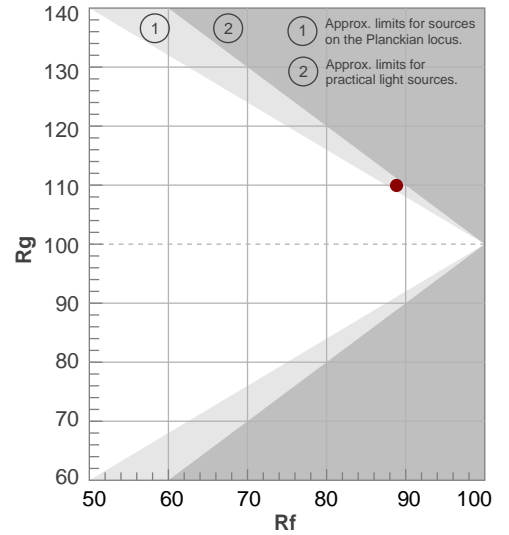
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4045 K	85,4	60,5	88,8	109,9	89,5	69	0,379	0,377	0,0007

# TM30 DETAILS

**Rf 88,8**  
Fidelity index Rf

**Rg 109,9**  
Gammut index

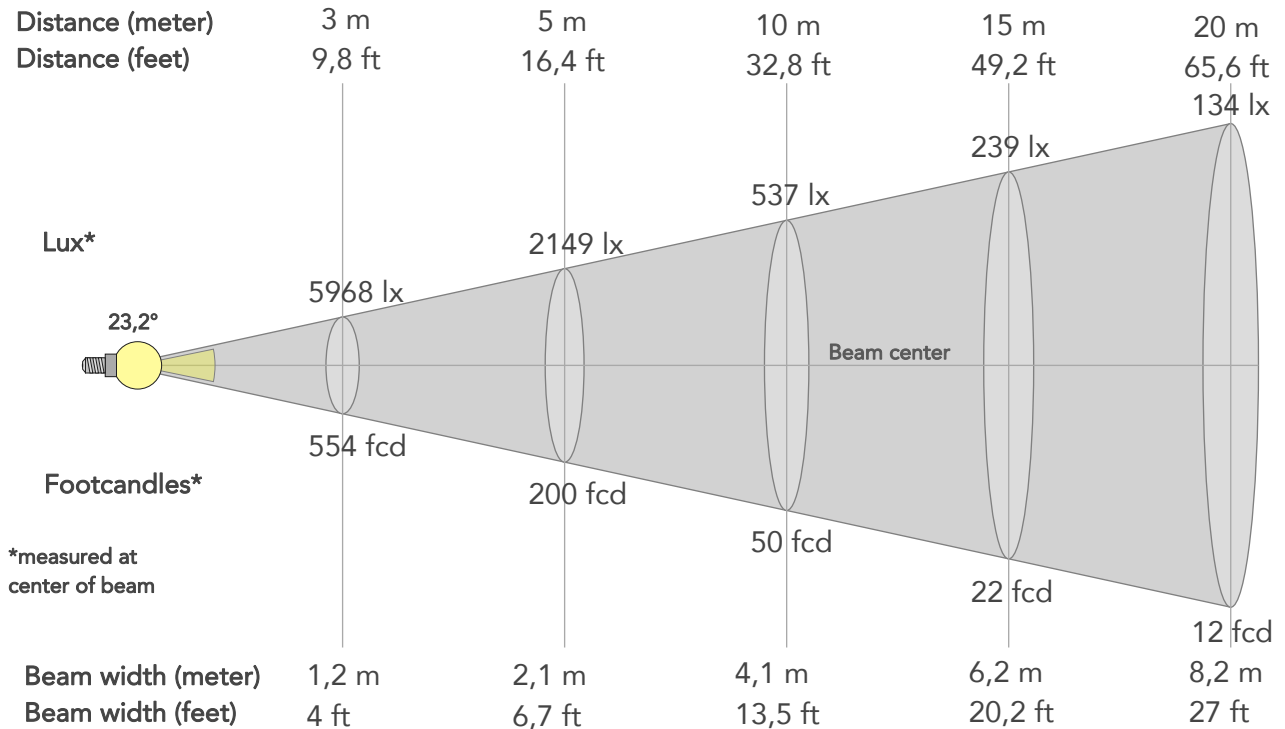
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	0%	-1%
5	91	2%	4%
6	84	9%	7%
7	82	12%	1%
8	83	9%	-3%
9	89	6%	-6%
10	90	-1%	-6%
11	93	1%	2%
12	90	3%	3%
13	93	4%	1%
14	88	4%	8%
15	89	7%	1%
16	85	9%	-4%



# BEAM DETAILS



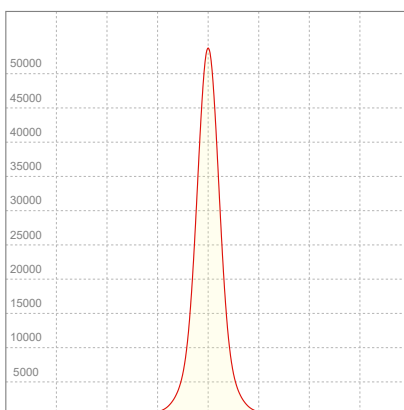
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	47,4°	72,6°	97,7%	93,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	53715lx	13429lx	5968lx	3357lx	2149lx	955lx	537lx	239lx	134lx	86lx	60lx	34lx	21lx
Footcand.	4990fcd	1248fcd	554fcd	312fcd	200fcd	89fcd	50fcd	22fcd	12fcd	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	12,3m	16,4m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,5ft	20,2ft	27ft	33,7ft	40,5ft	54ft	67,4ft

## LINEAR DISTRIBUTION DIAGRAM



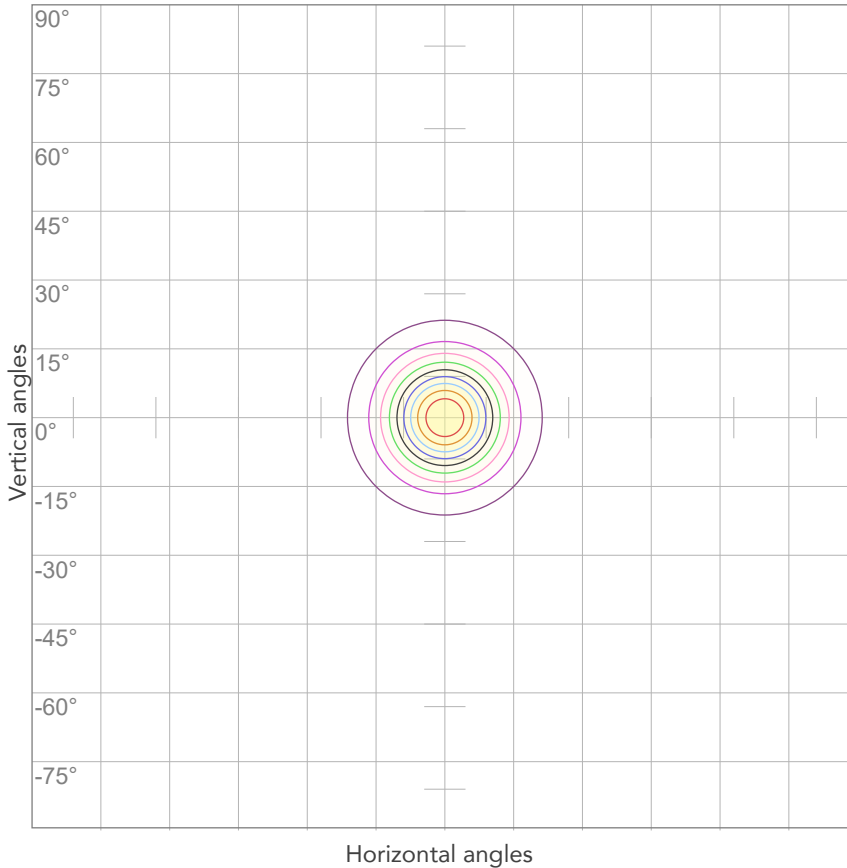
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,01A	215,5W	0,95	61lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



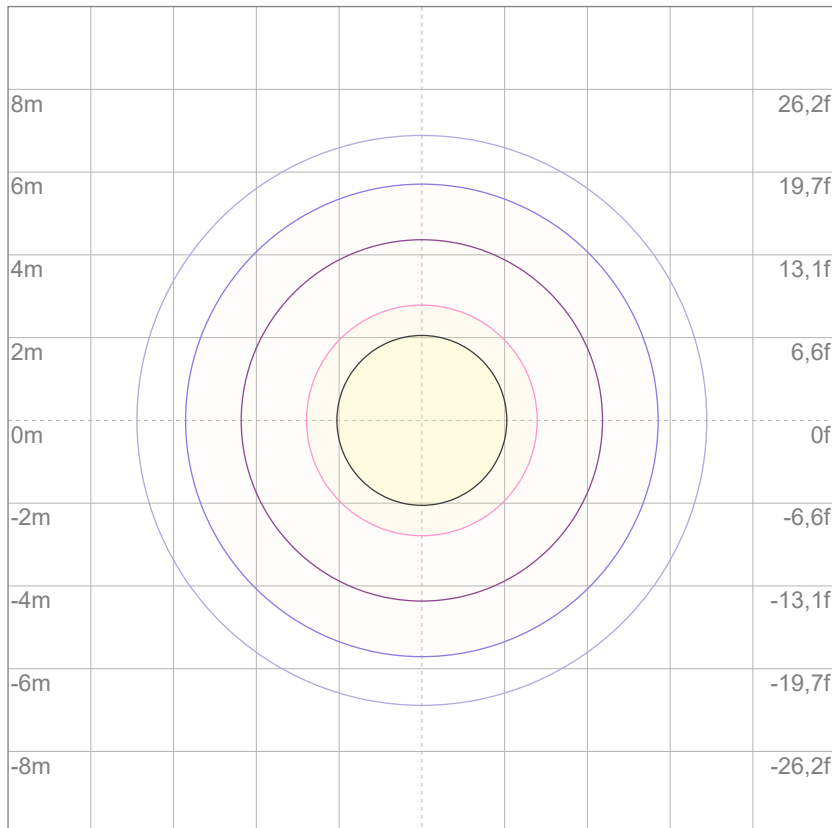
10%	5371 cd
20%	10743 cd
30%	16114 cd
40%	21486 cd
50%	26857 cd
60%	32229 cd
70%	37600 cd
80%	42972 cd

Conditions:

Number of c-planes: 2

Candela at center: 53715 cd

## ISO LUX DIAGRAM



3%	16,1 lx
5%	26,9 lx
10%	53,7 lx
30%	161 lx
50%	269 lx

Conditions:

Number of c-planes: 2

Lux at center: 537 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

12581 lm

Peak candela output:

16332 cd

Light quality:

CRI: 85,6

Color temperature:

4034 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40°Filter

Target:

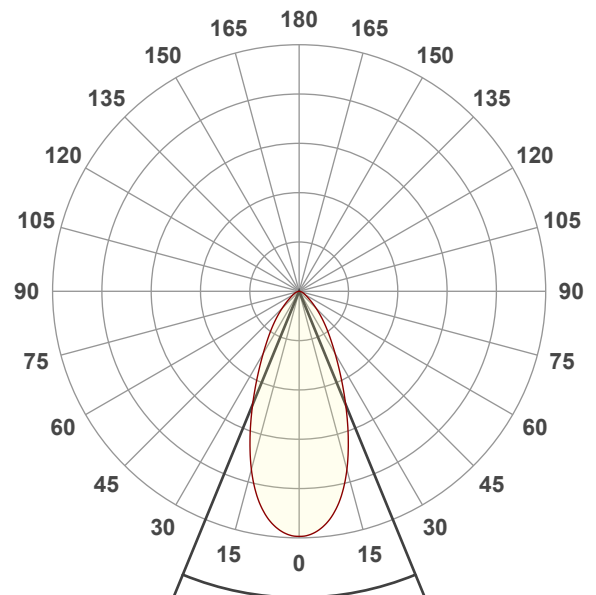
4000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 16:42:25

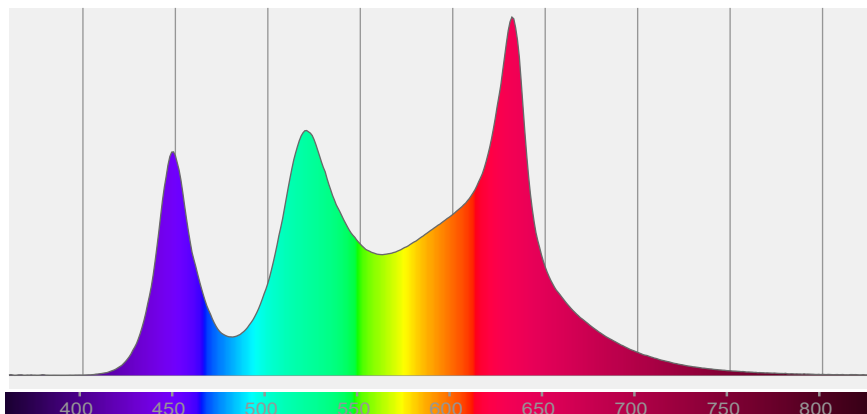


Beam angle 50%: 44,6°

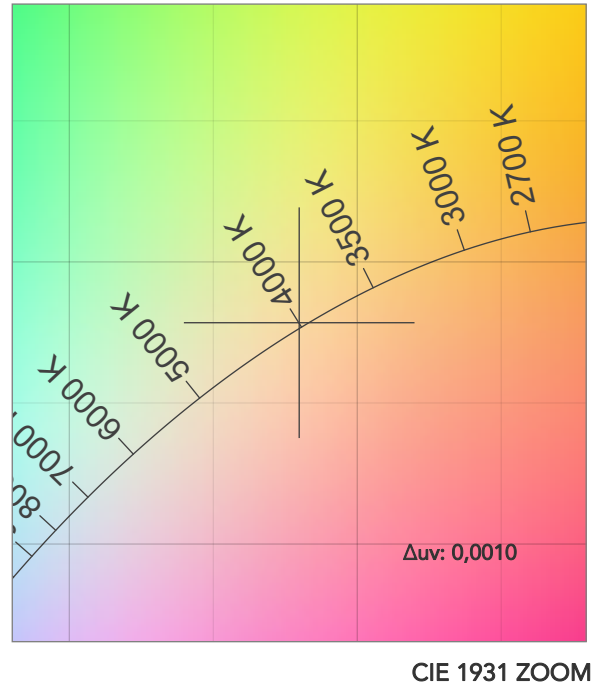
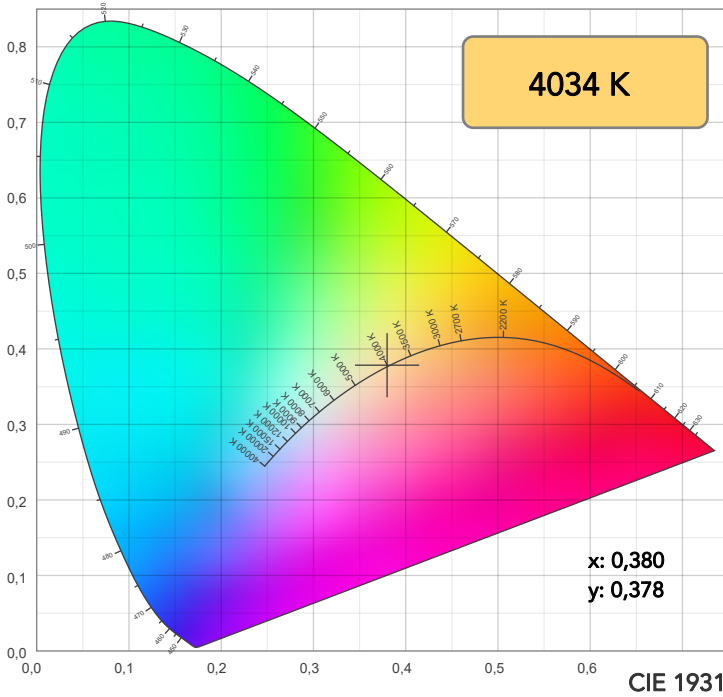
Field angle 10%: 89,5°

Cut off angle 2.5%: 125,1°

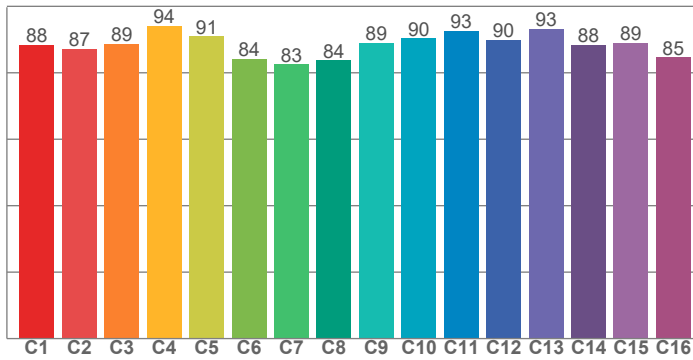
Spectra



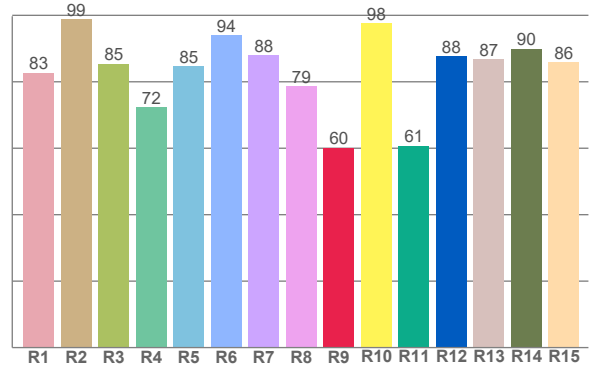
# COLOR DETAILS



**TM30: 89,0**



**CRI: 85,6 (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
82,7	98,8	85,4	72,2	84,7	94,1	88,1	78,6	60,2	97,7	60,8	87,8	86,7	90,0	86,0

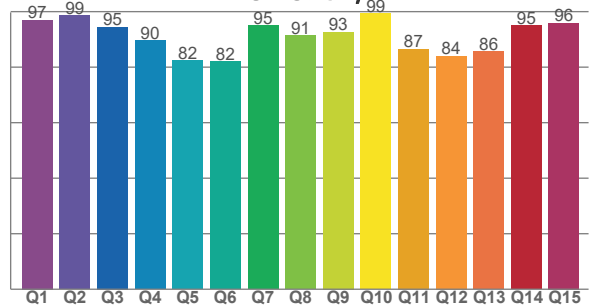
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	87,2	88,7	94,1	91,1	84,2	82,5	83,7	89,0	90,4	92,6	89,9	93,3	88,4	89,1	84,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,0	98,6	94,5	89,6	82,4	82,1	95,0	91,4	92,7	99,4	86,6	84,0	85,7	95,1	95,9

**CQS: 89,6**



## COLOR PARAMETERS

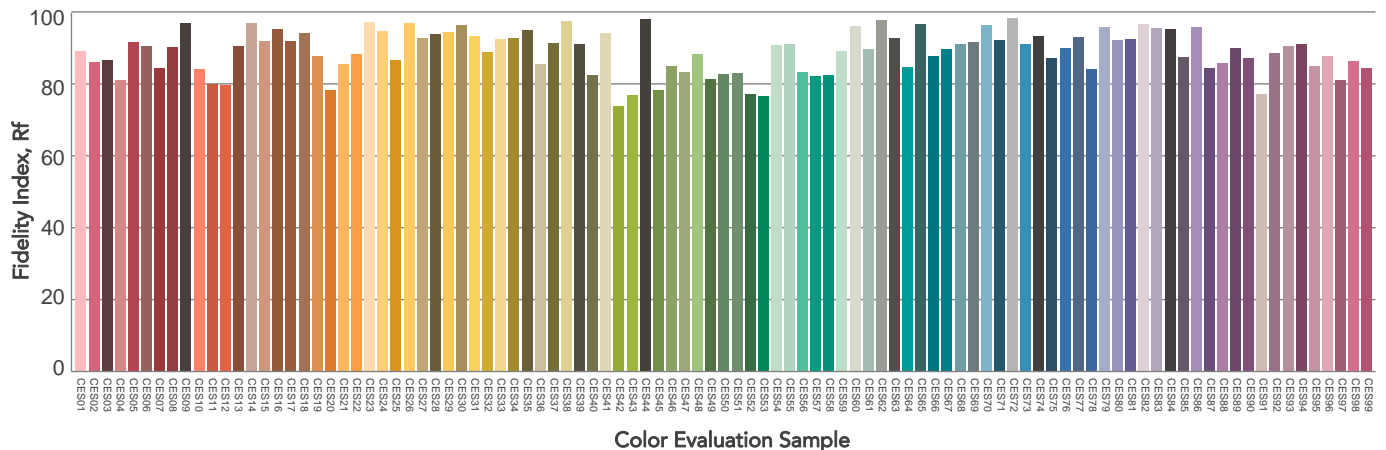
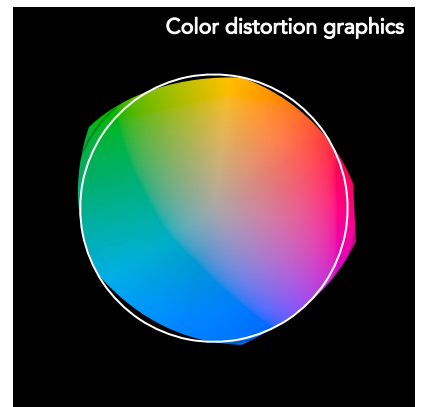
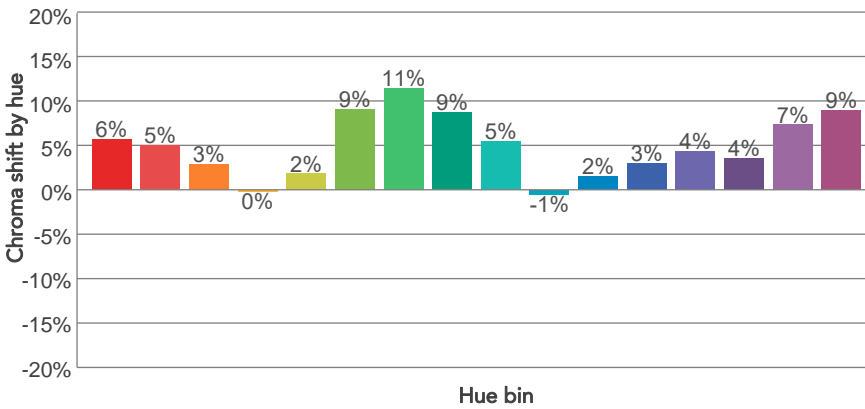
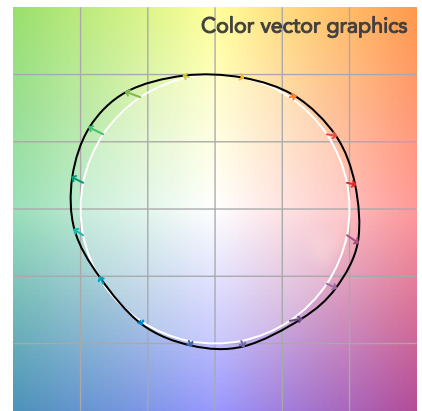
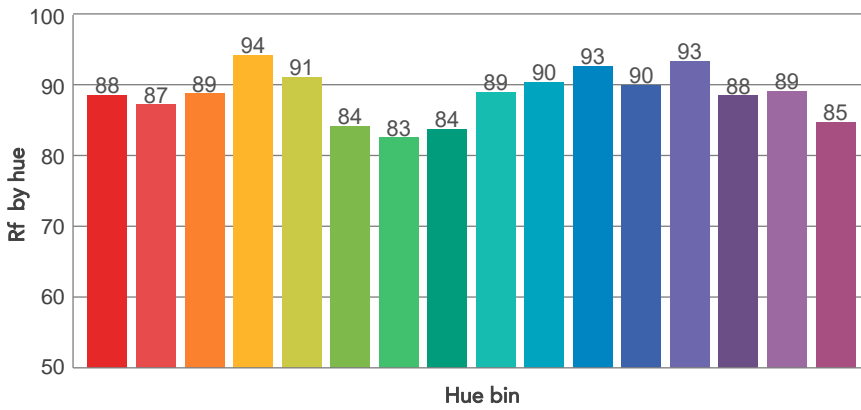
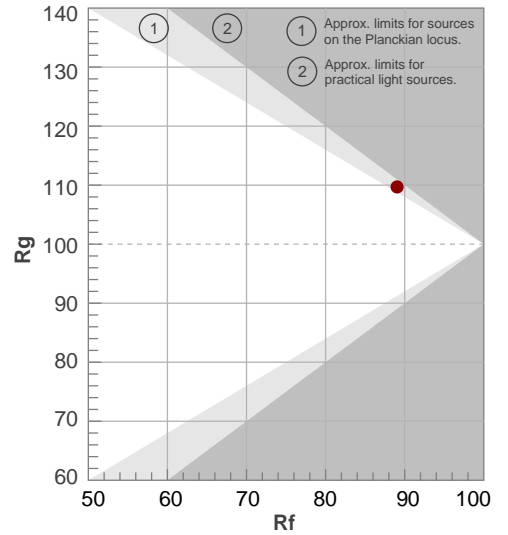
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4034 K	85,6	60,2	89,0	109,7	89,6	70	0,380	0,378	0,0010

# TM30 DETAILS

**Rf 89,0**  
Fidelity index Rf

**Rg 109,7**  
Gammut index

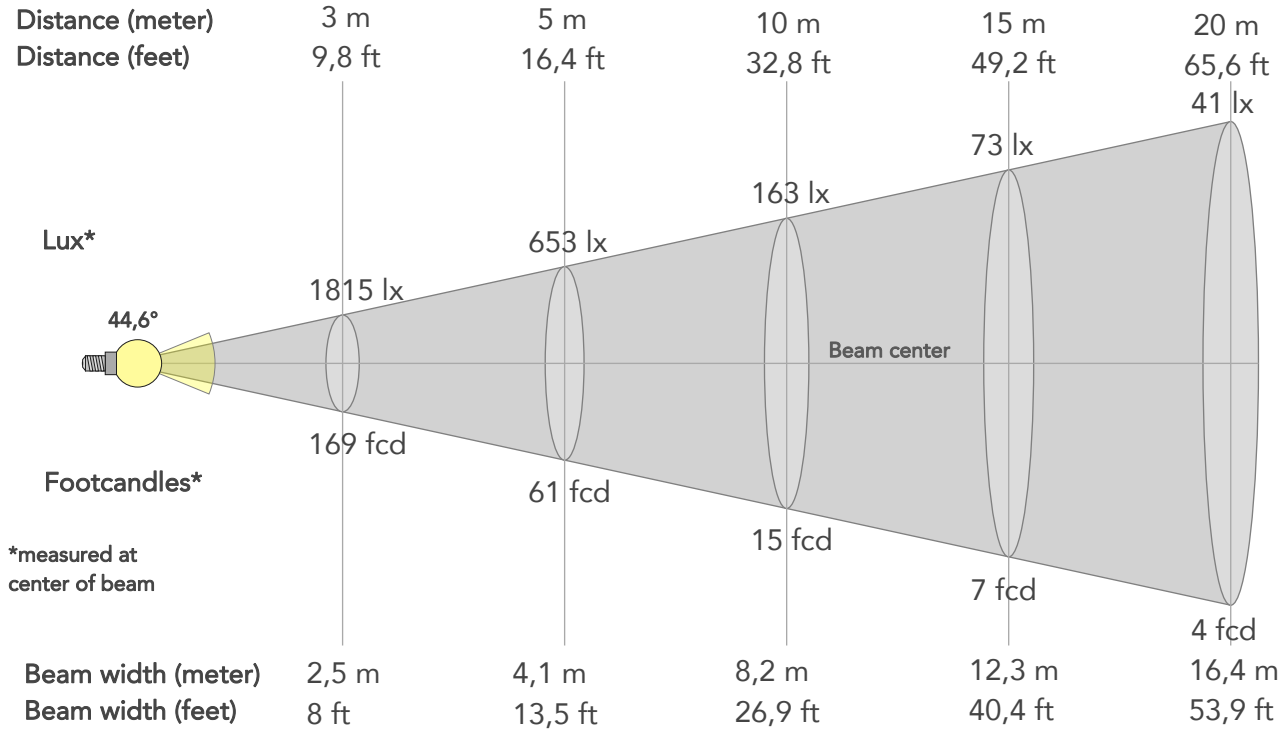
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	0%	-1%
5	91	2%	3%
6	84	9%	7%
7	83	11%	1%
8	84	9%	-2%
9	89	5%	-5%
10	90	-1%	-5%
11	93	2%	2%
12	90	3%	2%
13	93	4%	1%
14	88	4%	8%
15	89	7%	1%
16	85	9%	-4%



# BEAM DETAILS



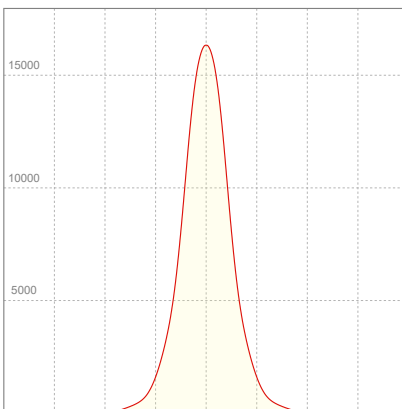
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,6°	89,5°	125,1°	95,5%	86,4%



## 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	16332lx	4083lx	1815lx	1021lx	653lx	290lx	163lx	73lx	41lx	26lx	18lx	10lx	7lx
Footcand.	1517fcd	379fcd	169fcd	95fcd	61fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,5m	24,6m	32,8m	41,1m
Beam wid.	2,7ft	5,4ft	8ft	10,8ft	13,5ft	20,2ft	26,9ft	40,4ft	53,9ft	67,3ft	80,8ft	107,7ft	134,7ft

## LINEAR DISTRIBUTION DIAGRAM

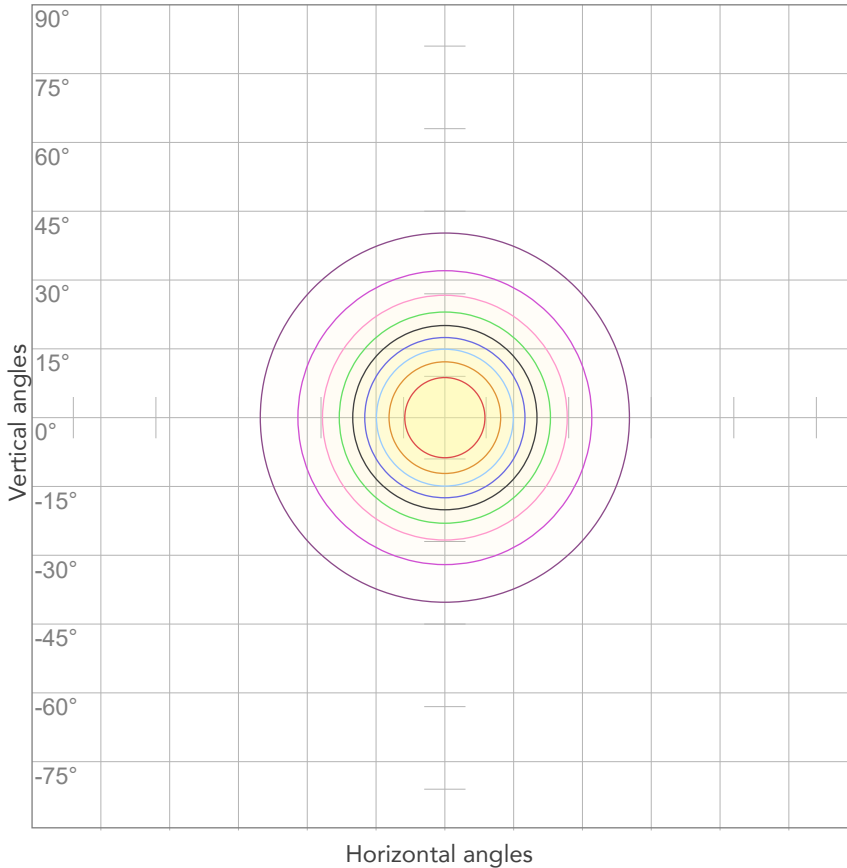


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,994A	213,3W	0,95	59lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



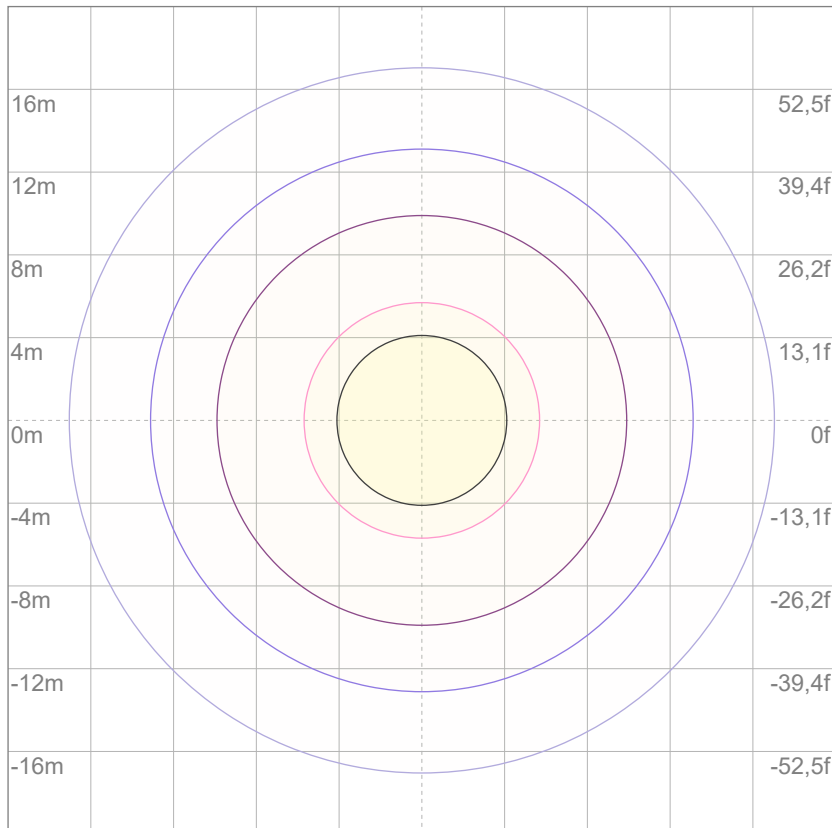
10%	1633 cd
20%	3266 cd
30%	4900 cd
40%	6533 cd
50%	8166 cd
60%	9799 cd
70%	11432 cd
80%	13066 cd

Conditions:

Number of c-planes: 2

Candela at center: 16332 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,90 lx
5%	8,17 lx
10%	16,3 lx
30%	49,0 lx
50%	81,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 163 lx

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



Total lumen output:

13090 lm

Peak candela output:

11867 cd

Light quality:

CRI: 85,7

Color temperature:

4031 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60°Filter

Target:

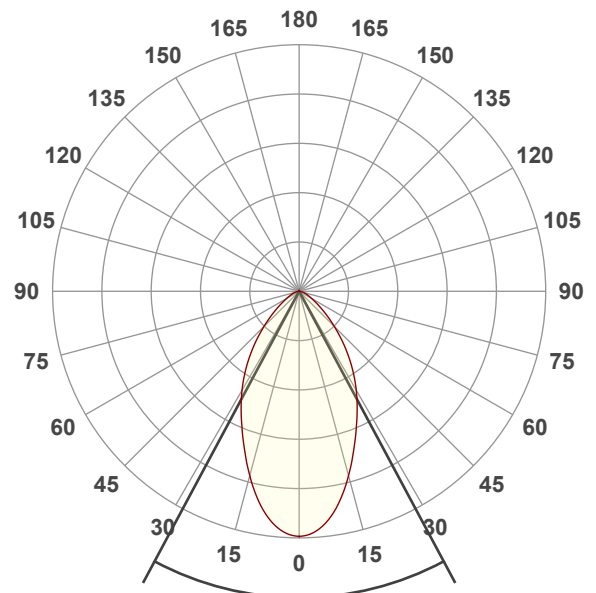
4000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 12:54:09

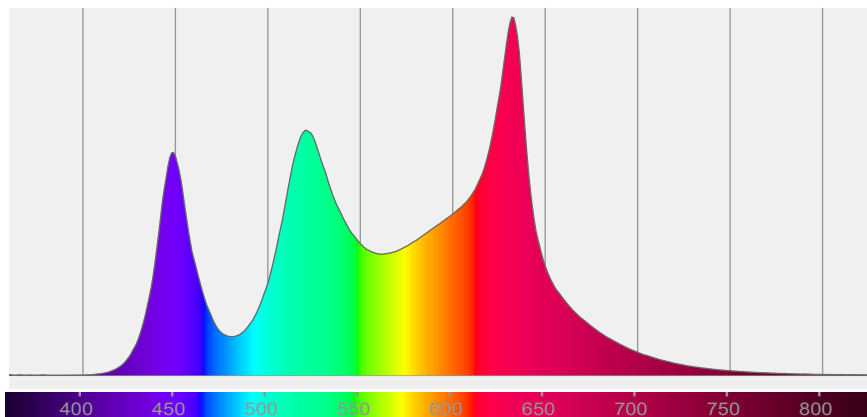


Beam angle 50%: 56,3°

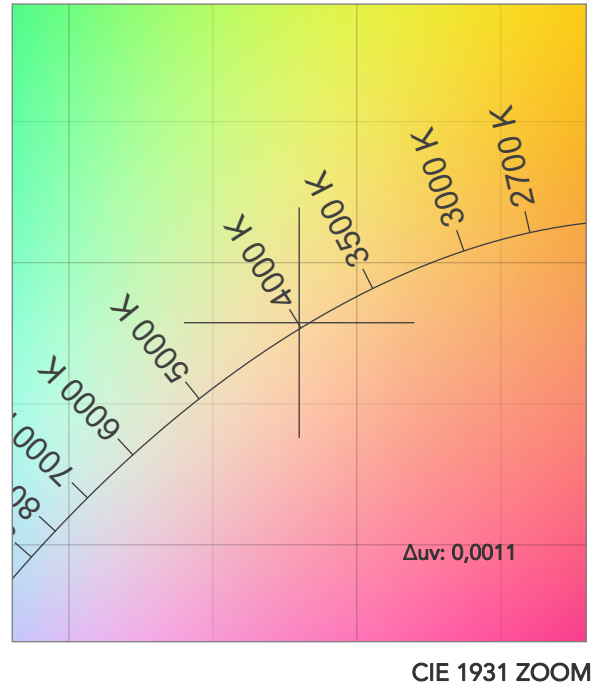
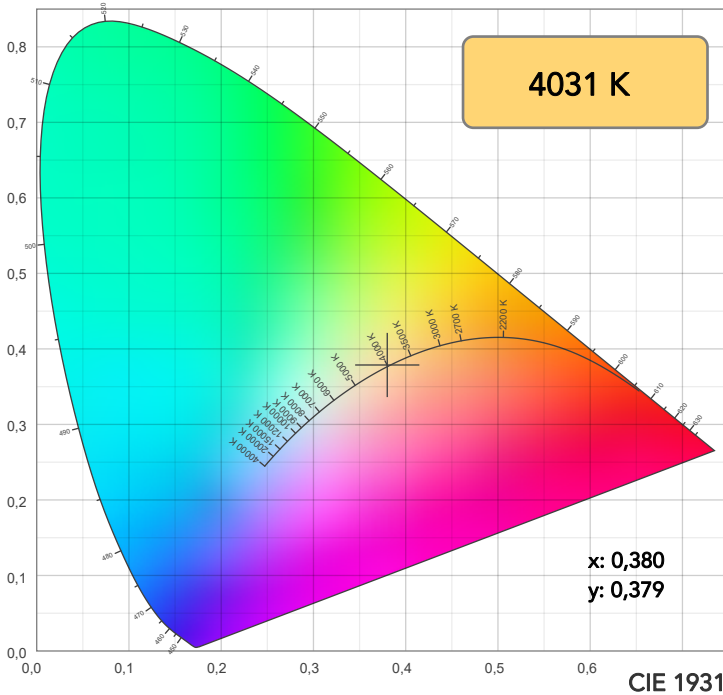
Field angle 10%: 107,7°

Cut off angle 2.5%: 142,6°

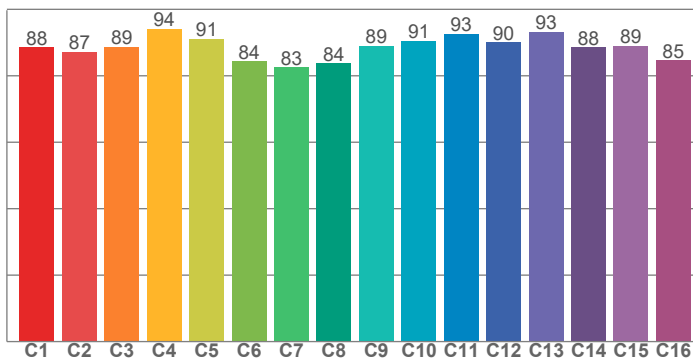
Spectra



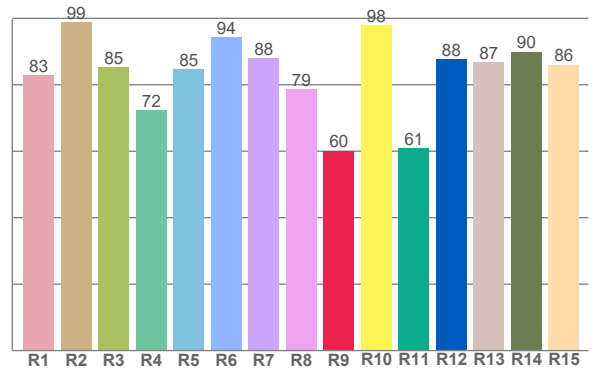
# COLOR DETAILS



TM30: 89,1



CRI: 85,7 (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
82,8	98,9	85,4	72,4	84,8	94,3	88,1	78,6	60,2	97,9	61,0	87,6	86,8	90,0	86,0

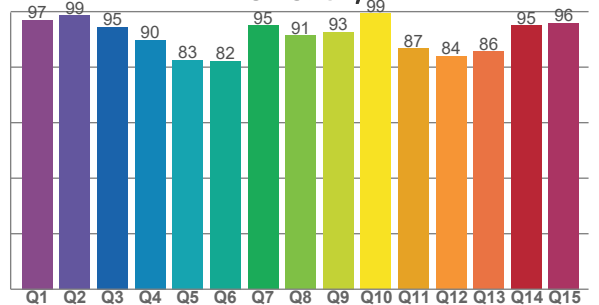
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	87,2	88,8	94,2	91,1	84,3	82,6	83,8	89,1	90,5	92,6	90,0	93,3	88,5	89,1	84,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	98,6	94,5	89,7	82,6	82,2	95,0	91,4	92,7	99,4	86,6	84,1	85,7	95,1	95,9

CQS: 89,7



## 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	$\Delta uv$
4031 K	85,7	60,2	89,1	109,6	89,7	71	0,380	0,379	0,0011

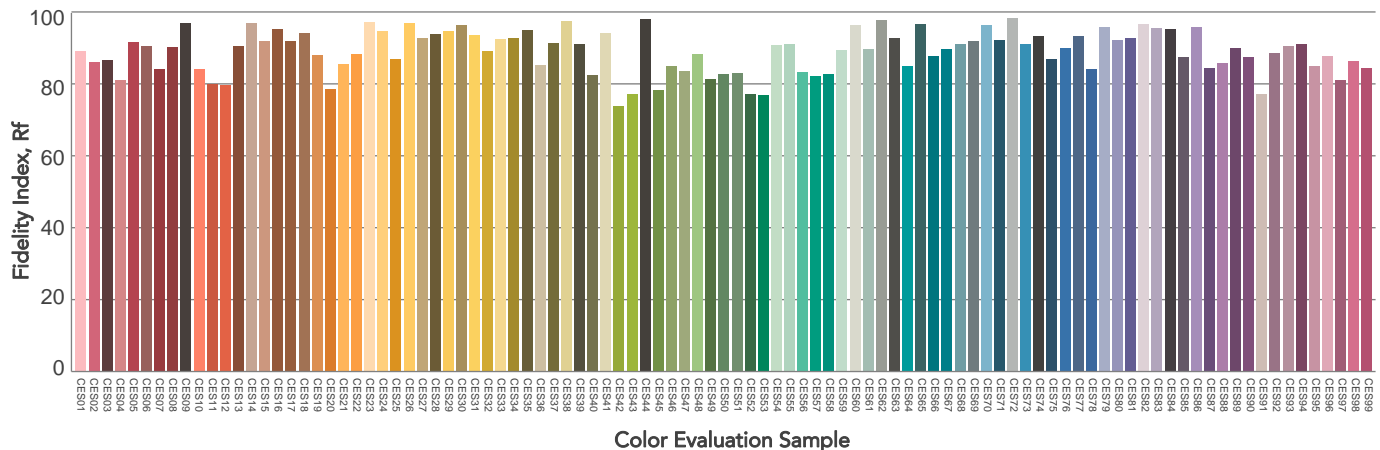
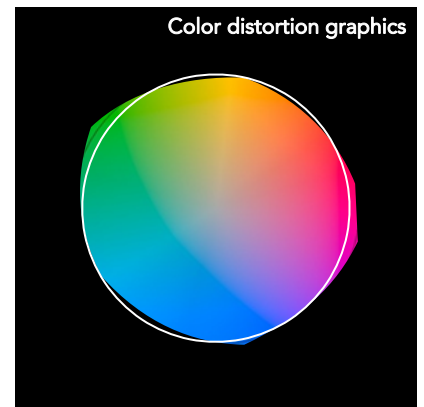
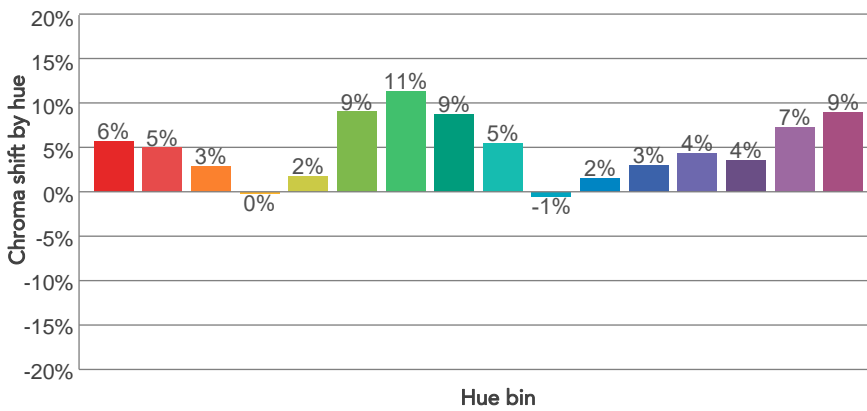
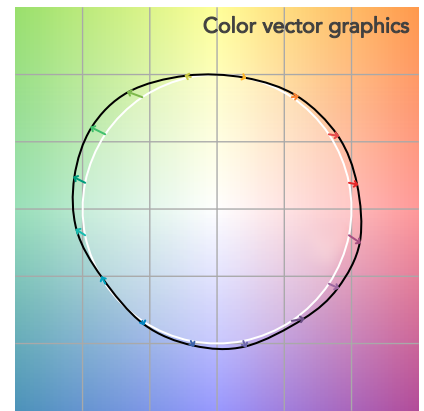
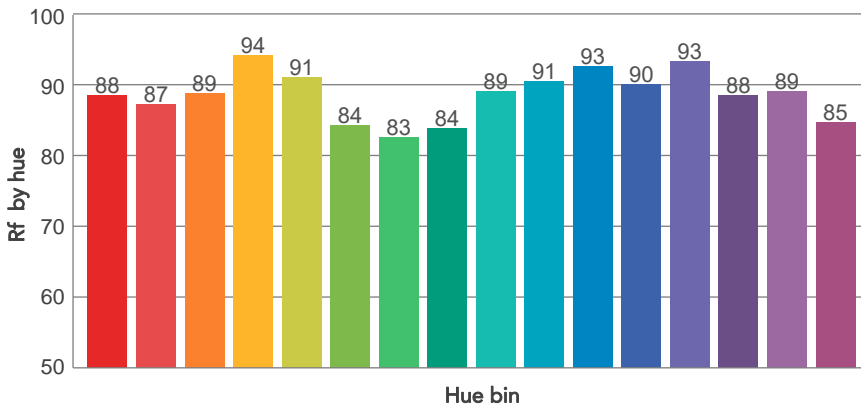
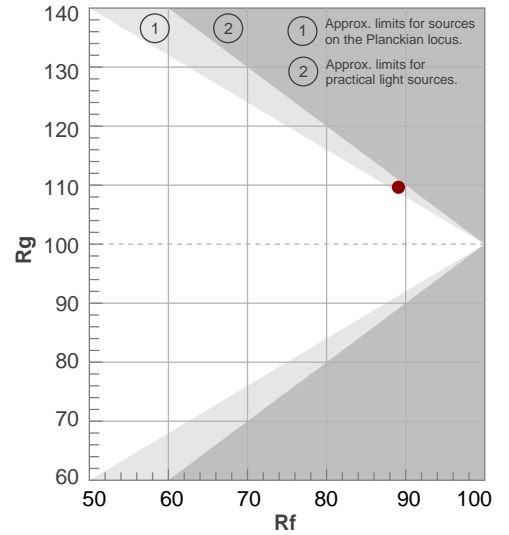


# TM30 DETAILS

**Rf 89,1**  
Fidelity index Rf

**Rg 109,6**  
Gammut index

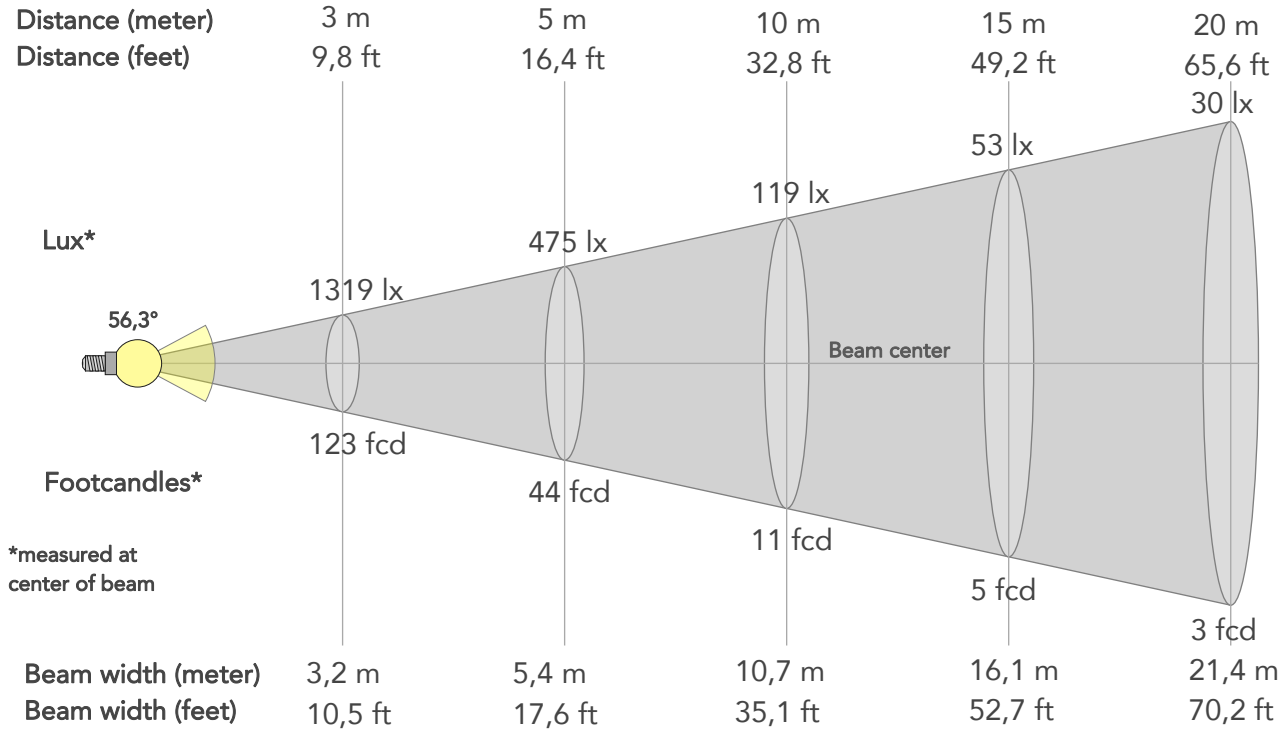
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	88	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	0%	-1%
5	91	2%	3%
6	84	9%	7%
7	83	11%	1%
8	84	9%	-2%
9	89	5%	-5%
10	91	-1%	-5%
11	93	2%	2%
12	90	3%	2%
13	93	4%	1%
14	88	4%	8%
15	89	7%	1%
16	85	9%	-4%



# BEAM DETAILS



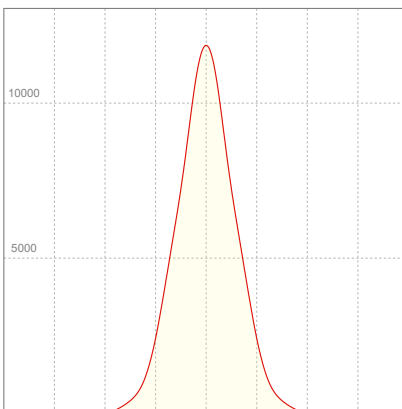
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,3°	107,7°	142,6°	94,1%	80,3%



## 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	11867lx	2967lx	1319lx	742lx	475lx	211lx	119lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1103fcd	276fcd	123fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,1m	3,2m	4,3m	5,4m	8m	10,7m	16,1m	21,4m	26,8m	32,1m	42,8m	53,5m
Beam wid.	3,5ft	7,1ft	10,5ft	14ft	17,6ft	26,3ft	35,1ft	52,7ft	70,2ft	87,8ft	105,4ft	140,5ft	175,6ft

## LINEAR DISTRIBUTION DIAGRAM

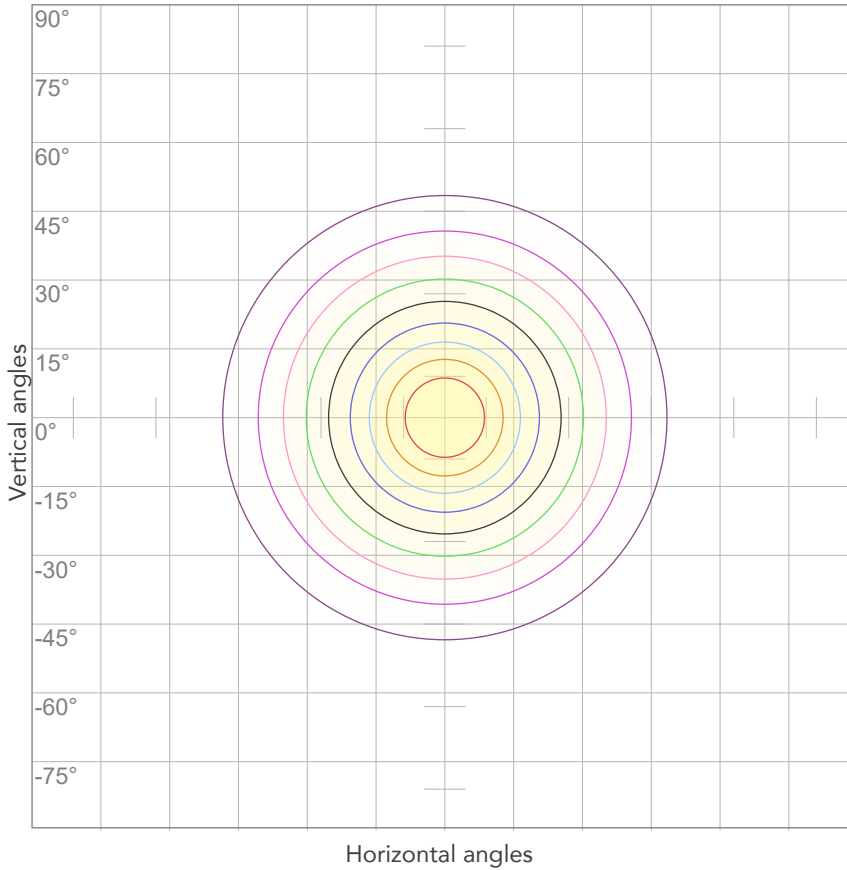


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,990A	212,8W	0,95	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



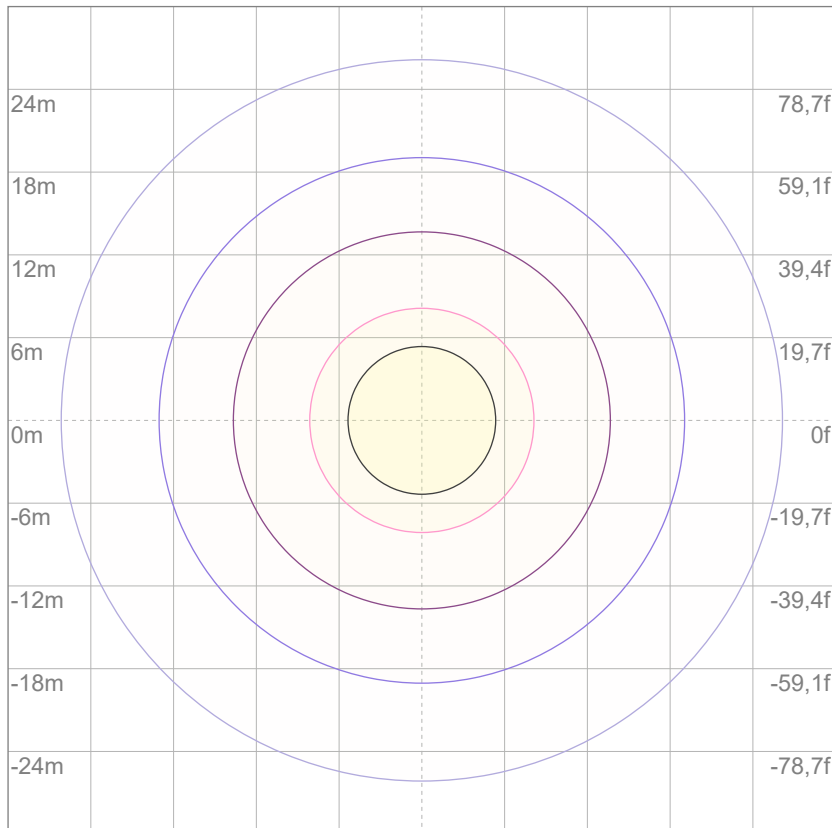
10%	1187 cd
20%	2373 cd
30%	3560 cd
40%	4747 cd
50%	5934 cd
60%	7120 cd
70%	8307 cd
80%	9494 cd

Conditions:

Number of c-planes: 2

Candela at center: 11867 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,56 lx
5%	5,93 lx
10%	11,9 lx
30%	35,6 lx
50%	59,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 119 lx

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



Total lumen output:

14224 lm

Peak candela output:

39611 cd

Light quality:

CRI: 85,8

Color temperature:

4045 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60°Filter

Target:

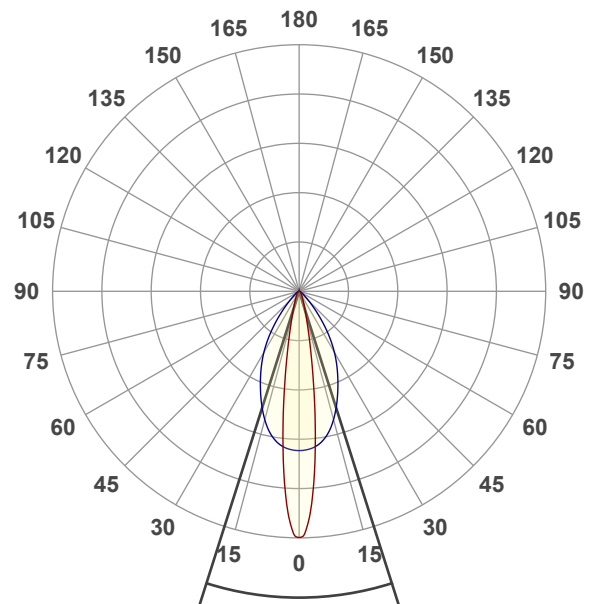
4000K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 11:14:37

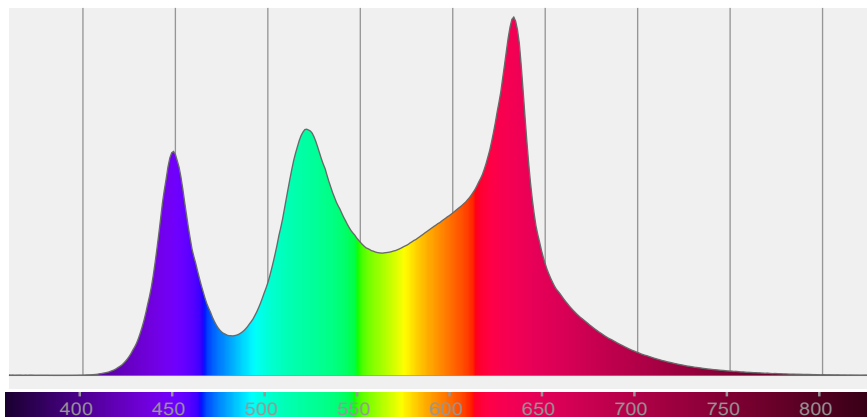


Beam angle 50%: 35,2°

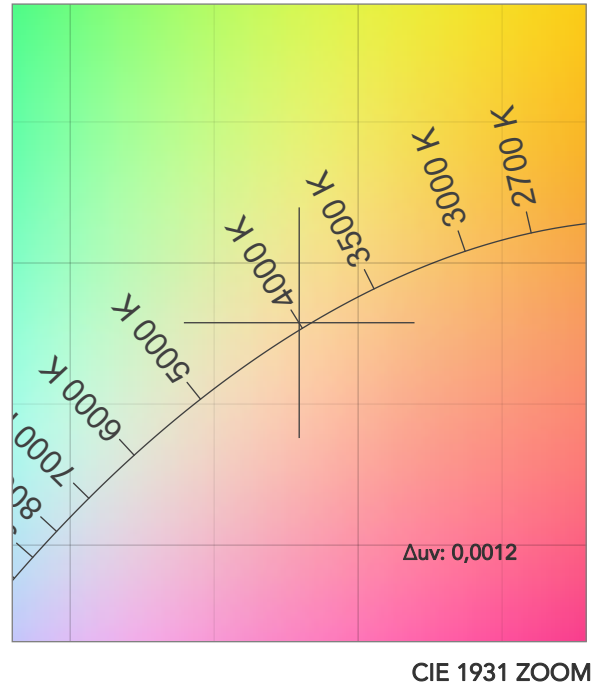
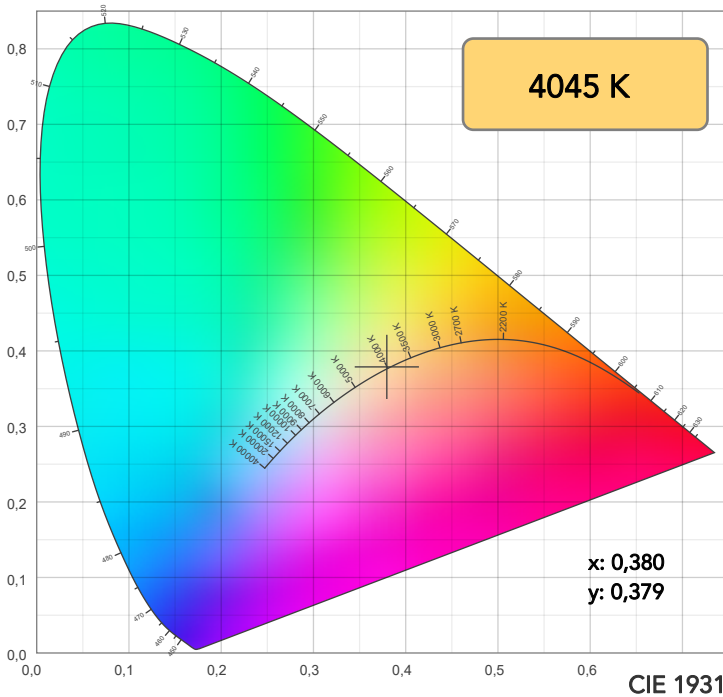
Field angle 10%: 60°

Cut off angle 2.5%: 85,7°

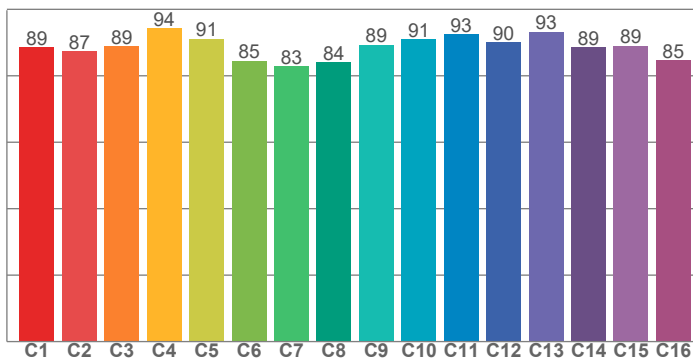
Spectra



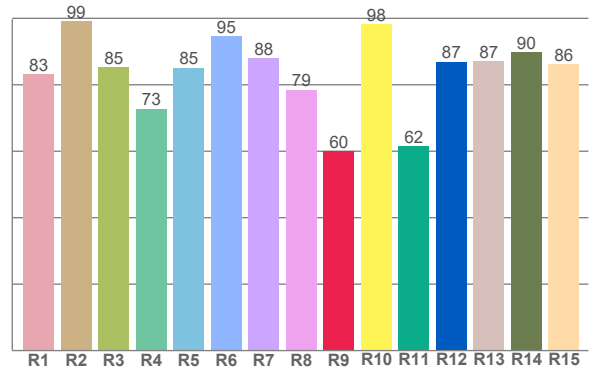
# COLOR DETAILS



**TM30: 89,2**



**CRI: 85,8 (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
83,1	99,0	85,2	72,8	85,1	94,6	88,1	78,5	60,0	98,2	61,6	86,9	87,1	89,9	86,2

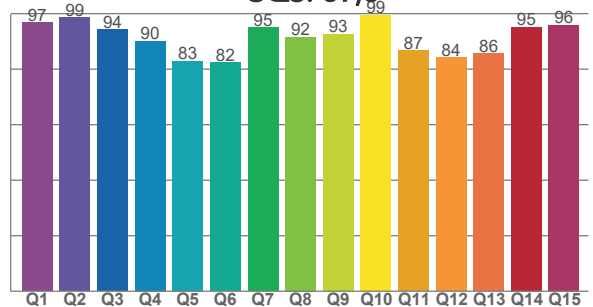
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,6	87,3	88,9	94,3	91,1	84,5	82,9	84,1	89,3	90,9	92,5	90,1	93,3	88,6	89,0	84,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	98,6	94,3	90,2	83,0	82,5	95,0	91,5	92,6	99,4	86,8	84,1	85,7	95,2	95,9

**CQS: 89,8**



## COLOR PARAMETERS

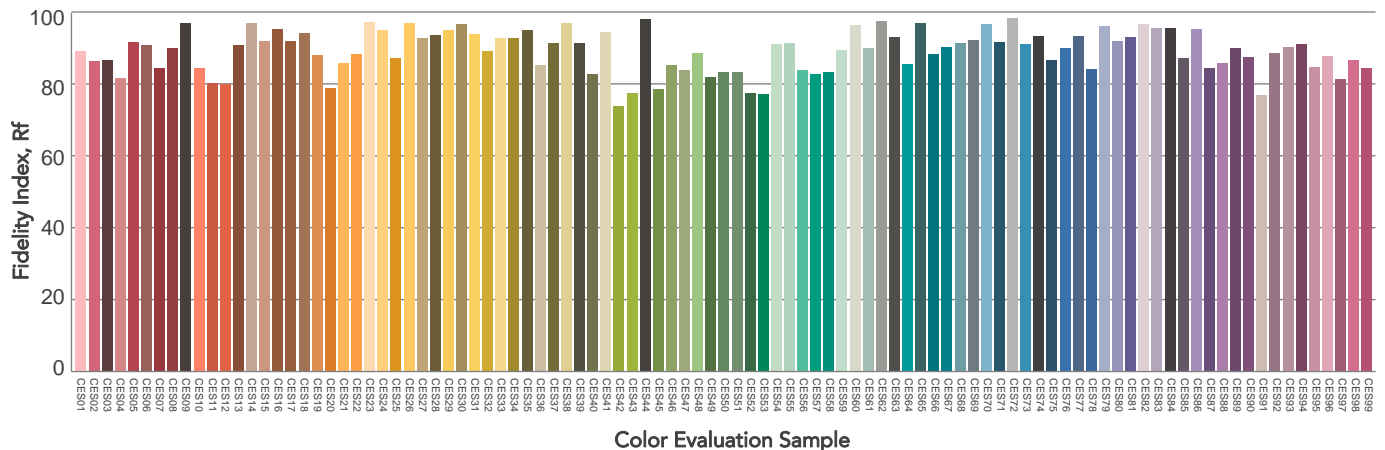
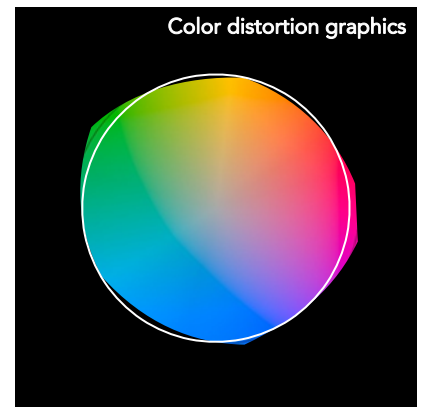
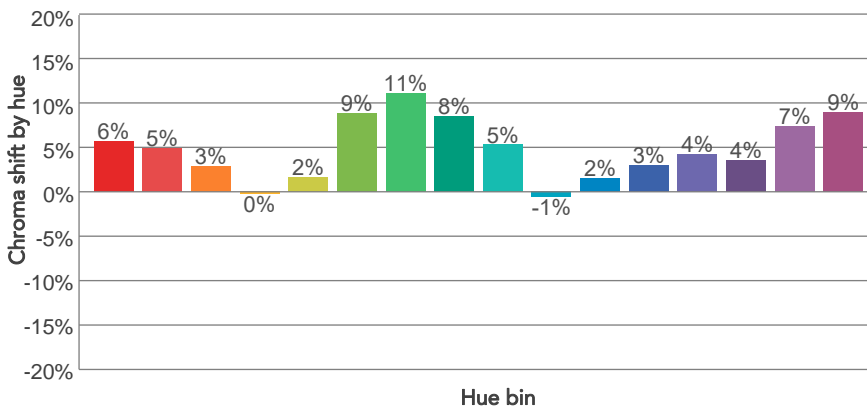
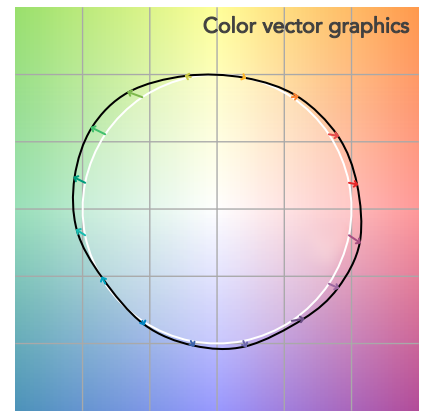
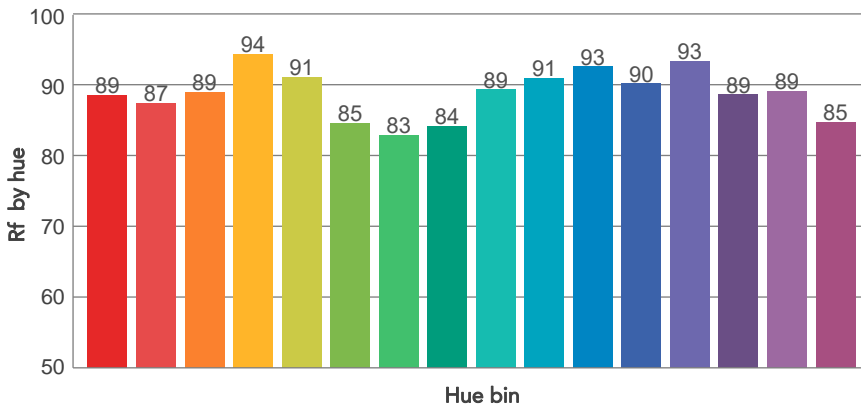
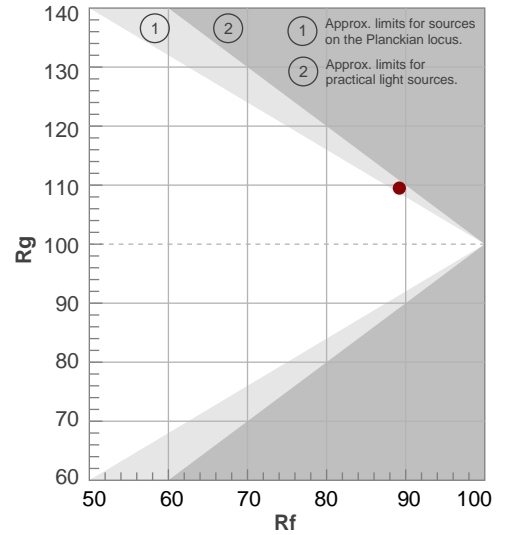
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4045 K	85,8	60,0	89,2	109,5	89,8	71	0,380	0,379	0,0012

# TM30 DETAILS

**Rf 89,2**  
Fidelity index Rf

**Rg 109,5**  
Gammut index

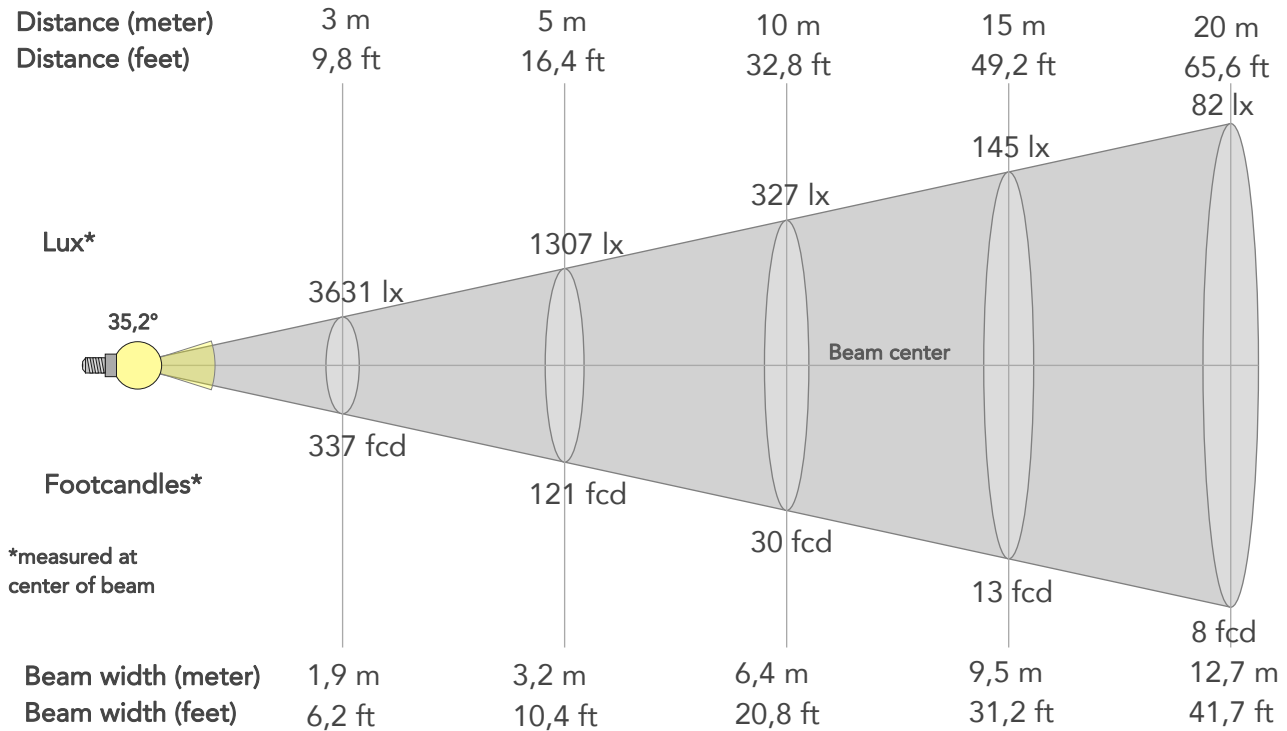
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	0%	-1%
5	91	2%	3%
6	85	9%	6%
7	83	11%	1%
8	84	8%	-2%
9	89	5%	-5%
10	91	-1%	-5%
11	93	2%	2%
12	90	3%	3%
13	93	4%	1%
14	89	4%	8%
15	89	7%	1%
16	85	9%	-4%



# BEAM DETAILS



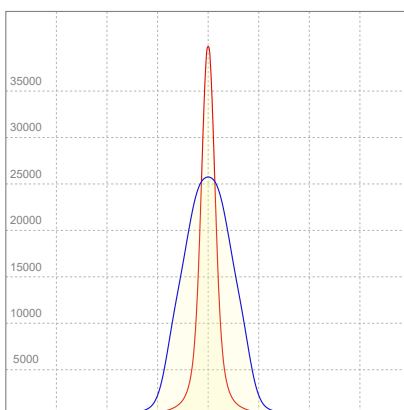
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,2°	60°	85,7°	97,1%	91,1%



## 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	3267lx	8169lx	3631lx	2042lx	1307lx	581lx	327lx	145lx	82lx	52lx	36lx	20lx	13lx
Footcand.	3036fcd	759fcd	337fcd	190fcd	121fcd	54fcd	30fcd	13fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,8m	6,4m	9,5m	12,7m	15,9m	19,1m	25,4m	31,8m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,6ft	20,8ft	31,2ft	41,7ft	52,1ft	62,5ft	83,3ft	104,1ft

## LINEAR DISTRIBUTION DIAGRAM

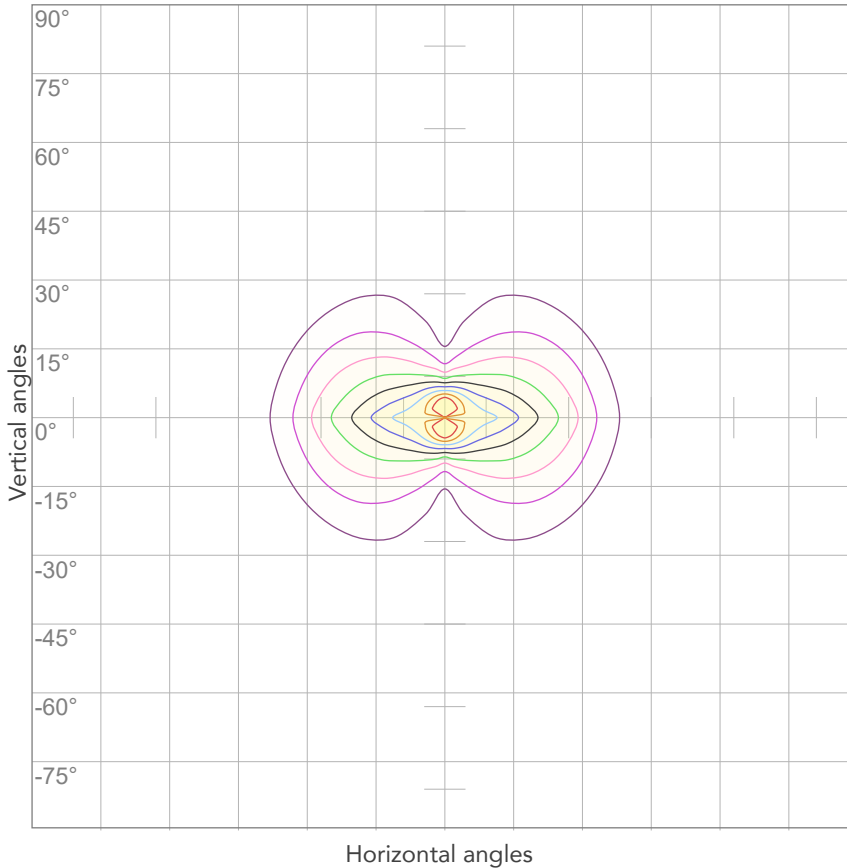


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,985A	211,5W	0,95	67lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



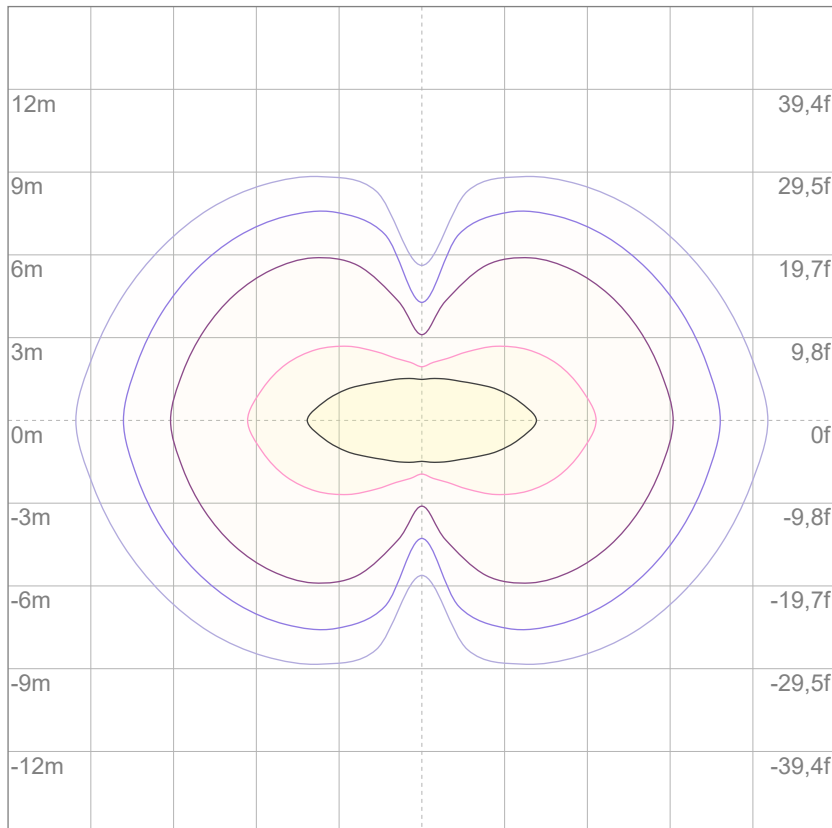
10%	3268 cd
20%	6535 cd
30%	9803 cd
40%	13070 cd
50%	16338 cd
60%	19606 cd
70%	22873 cd
80%	26141 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 32676 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	9,80 lx
5%	16,3 lx
10%	32,7 lx
30%	98,0 lx
50%	163 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 327 lx

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





Total lumen output:

13386 lm

Peak candela output:

20165 cd

Light quality:

CRI: 85,7

Color temperature:

4033 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

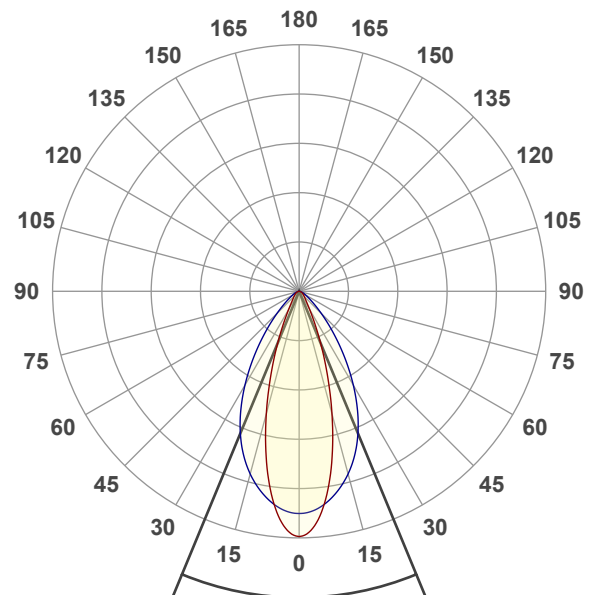
4000K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 11:23:48

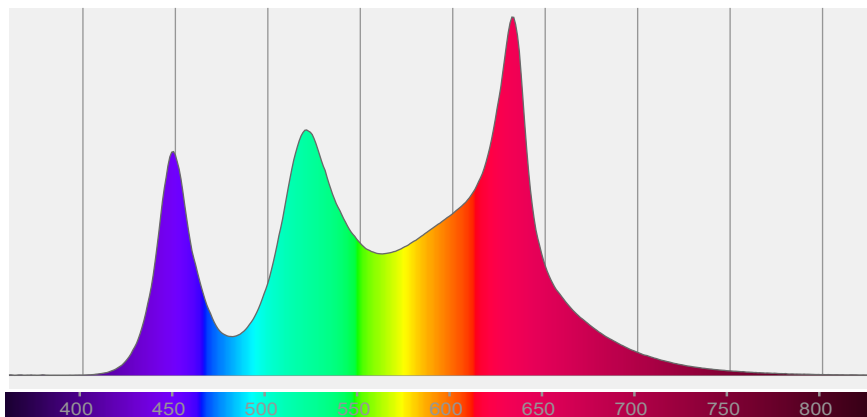


Beam angle 50%: 45°

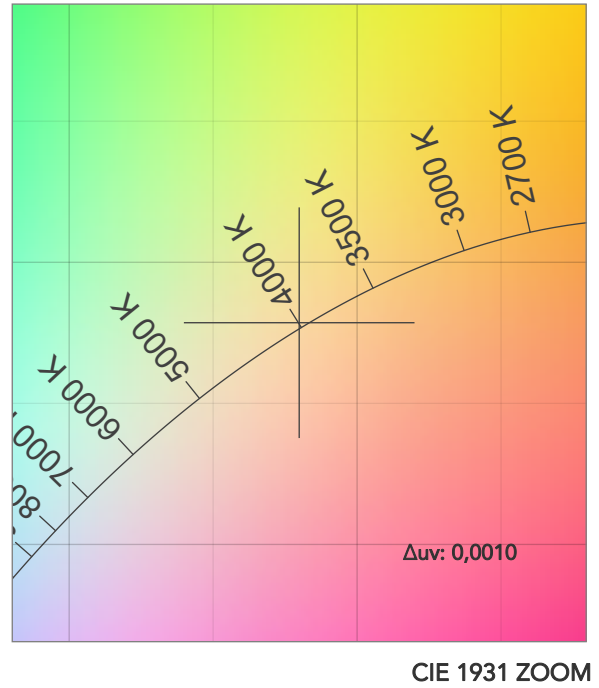
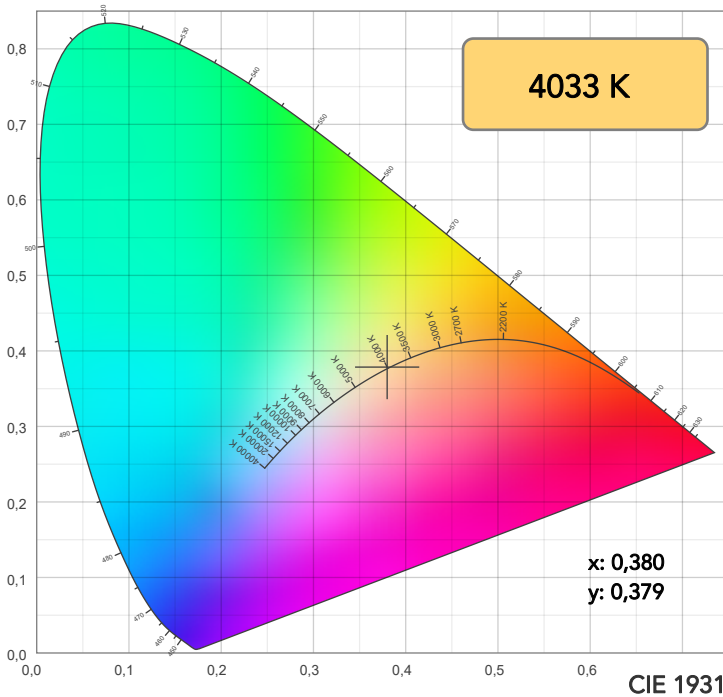
Field angle 10%: 77,2°

Cut off angle 2.5%: 112,3°

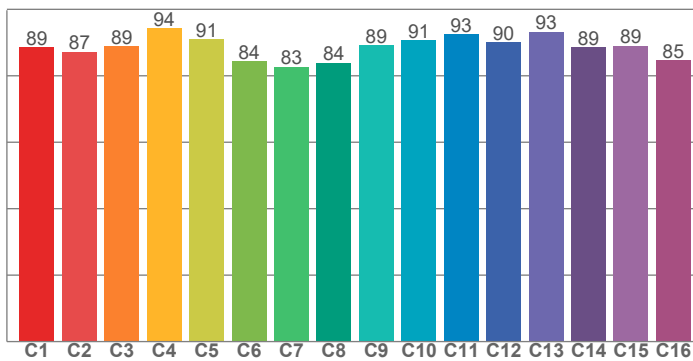
Spectra



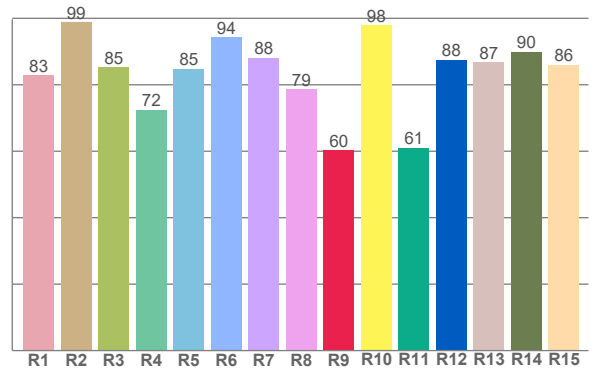
# COLOR DETAILS



TM30: 89,1



CRI: 85,7 (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
82,9	98,9	85,4	72,5	84,8	94,3	88,1	78,6	60,3	97,9	61,1	87,5	86,9	90,0	86,1

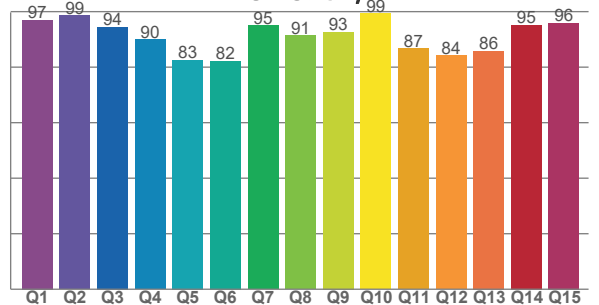
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	87,3	88,8	94,2	91,1	84,3	82,7	83,9	89,1	90,6	92,6	90,0	93,3	88,5	89,1	84,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,9	98,6	94,4	89,9	82,6	82,2	95,0	91,5	92,6	99,4	86,7	84,1	85,8	95,1	95,9

CQS: 89,7



## COLOR PARAMETERS

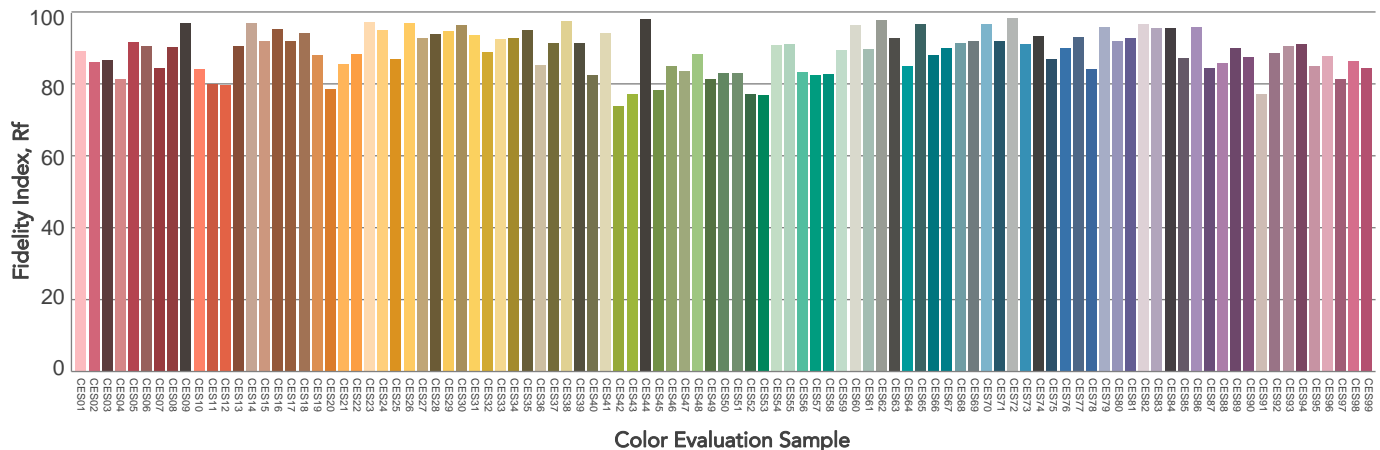
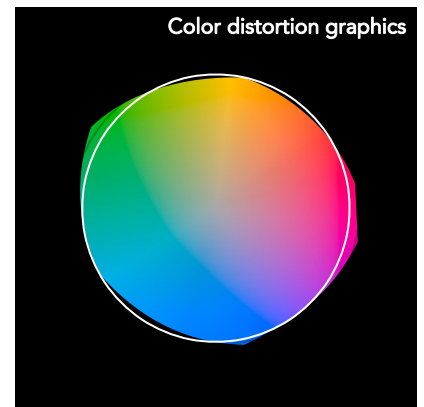
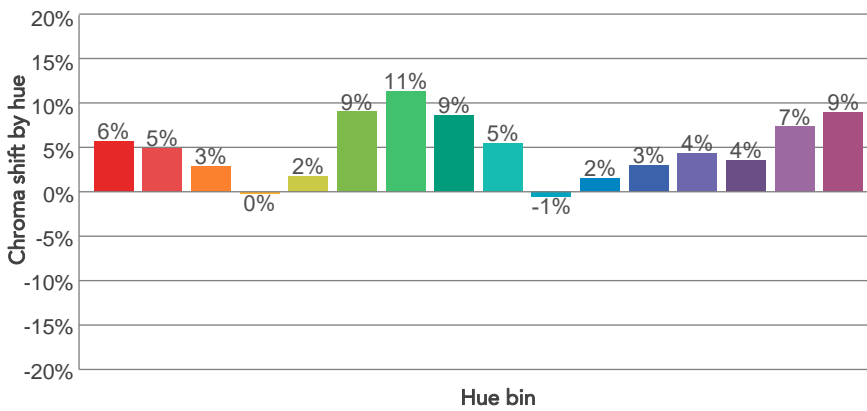
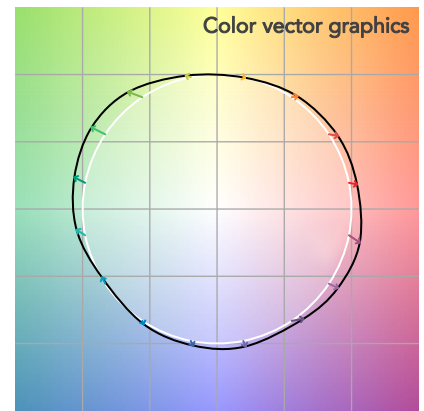
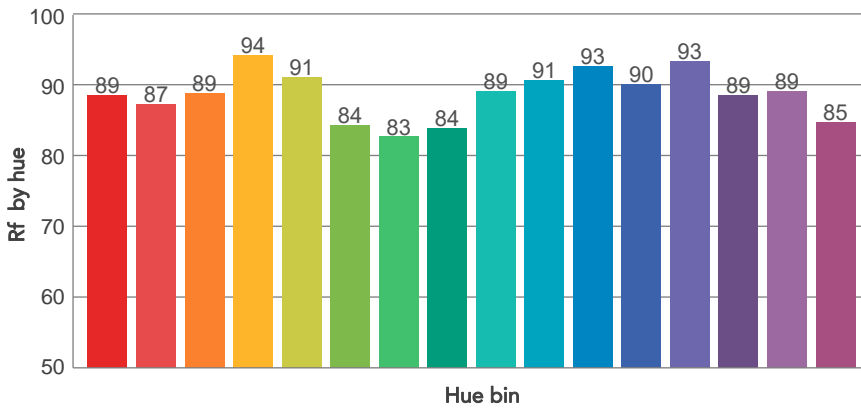
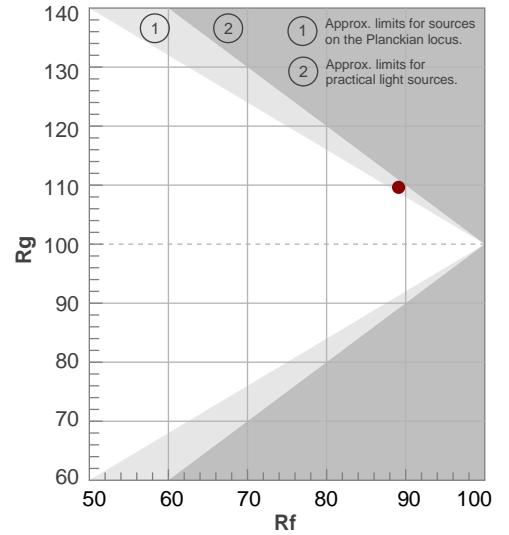
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4033 K	85,7	60,3	89,1	109,6	89,7	71	0,380	0,379	0,0010

# TM30 DETAILS

**Rf 89,1**  
Fidelity index Rf

**Rg 109,6**  
Gammut index

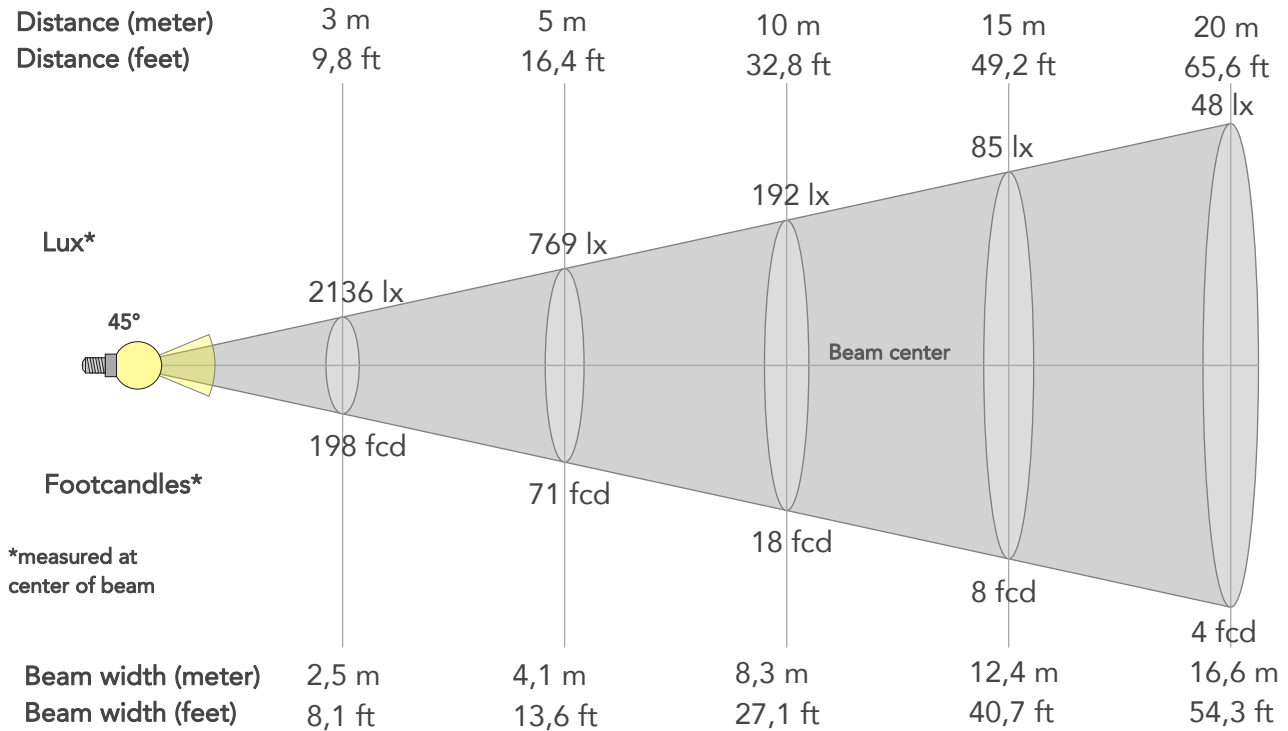
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	6%	-2%
2	87	5%	-5%
3	89	3%	-3%
4	94	0%	-1%
5	91	2%	3%
6	84	9%	7%
7	83	11%	1%
8	84	9%	-2%
9	89	5%	-5%
10	91	-1%	-5%
11	93	2%	2%
12	90	3%	3%
13	93	4%	1%
14	89	4%	8%
15	89	7%	1%
16	85	9%	-4%



# BEAM DETAILS



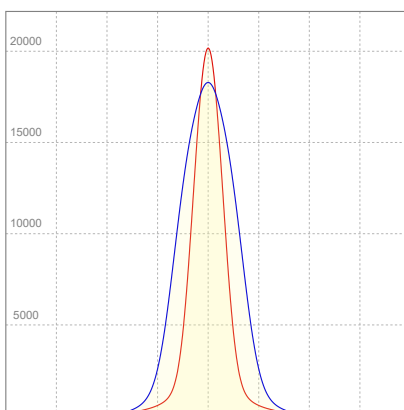
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,2°	112,3°	96,0%	87,7%



## 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	19222lx	4806lx	2136lx	1201lx	769lx	342lx	192lx	85lx	48lx	31lx	21lx	12lx	8lx
Footcand.	1786fcd	446fcd	198fcd	112fcd	71fcd	32fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,8m	33,1m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,8ft	13,6ft	20,4ft	27,1ft	40,7ft	54,3ft	67,9ft	81,4ft	108,6ft	135,7ft

## LINEAR DISTRIBUTION DIAGRAM

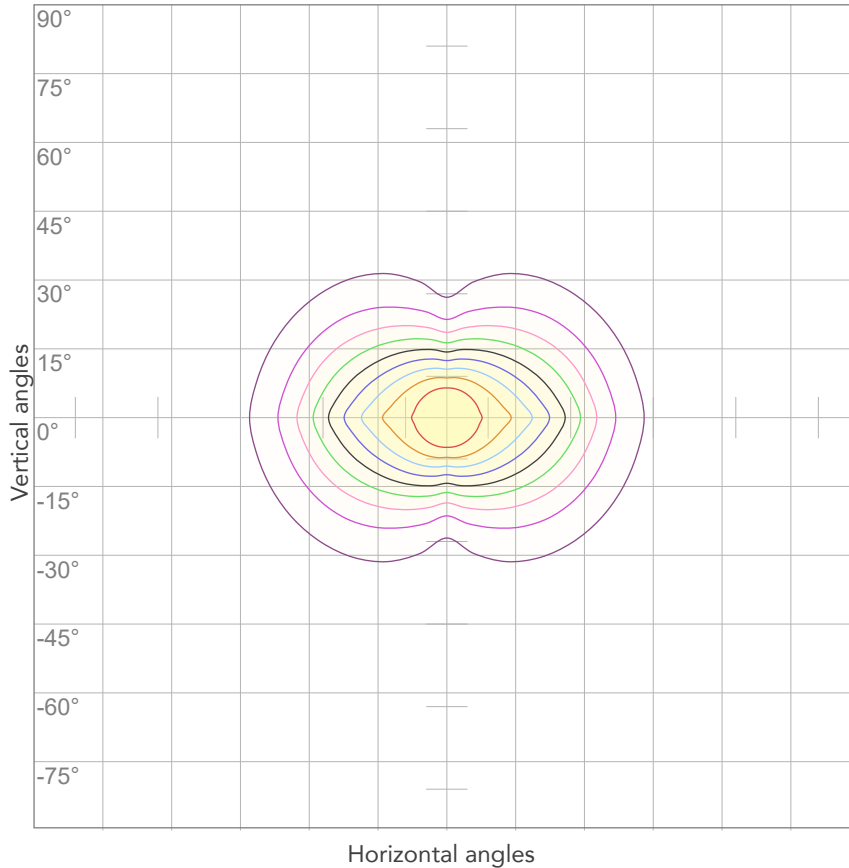


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,989A	212,8W	0,95	63lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



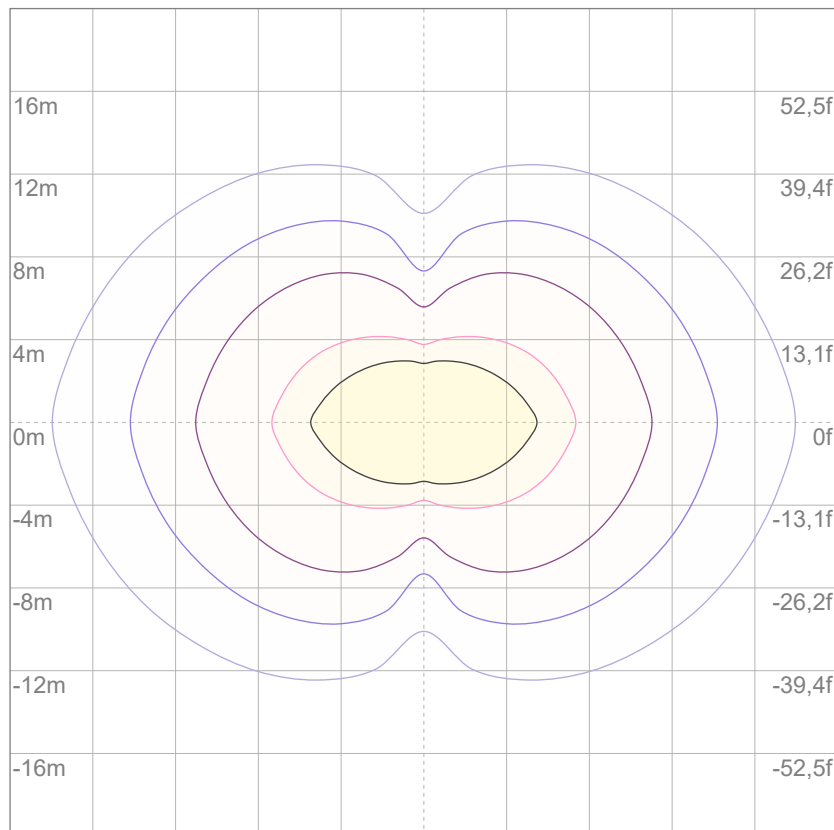
10%	1922 cd
20%	3844 cd
30%	5767 cd
40%	7689 cd
50%	9611 cd
60%	11533 cd
70%	13456 cd
80%	15378 cd

Conditions:

Number of c-planes: 4

Candela at center: 19222 cd

## ISO LUX DIAGRAM



3%	5,77 lx
5%	9,61 lx
10%	19,2 lx
30%	57,7 lx
50%	96,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 192 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

12816 lm

Peak candela output:

258005 cd

Light quality:

CRI: 87,7

Color temperature:

5621 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native Optic - 10°

Target:

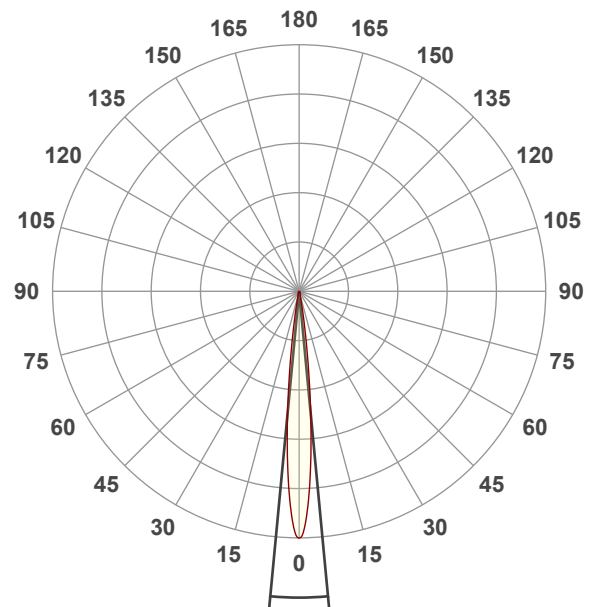
5600K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 11:57:51

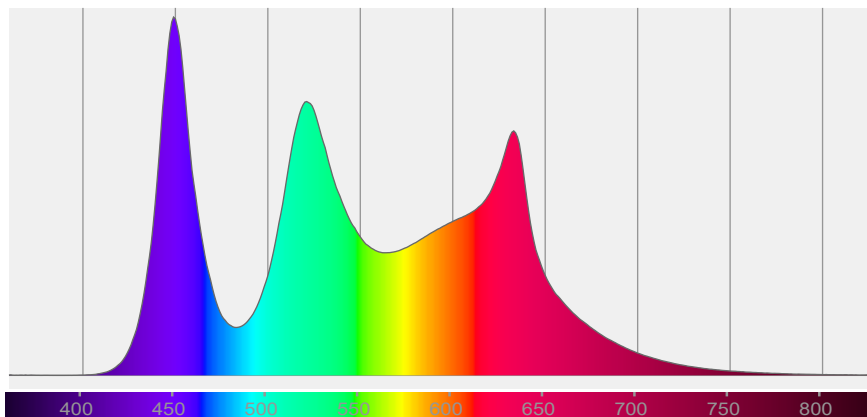


Beam angle 50%: 10,8°

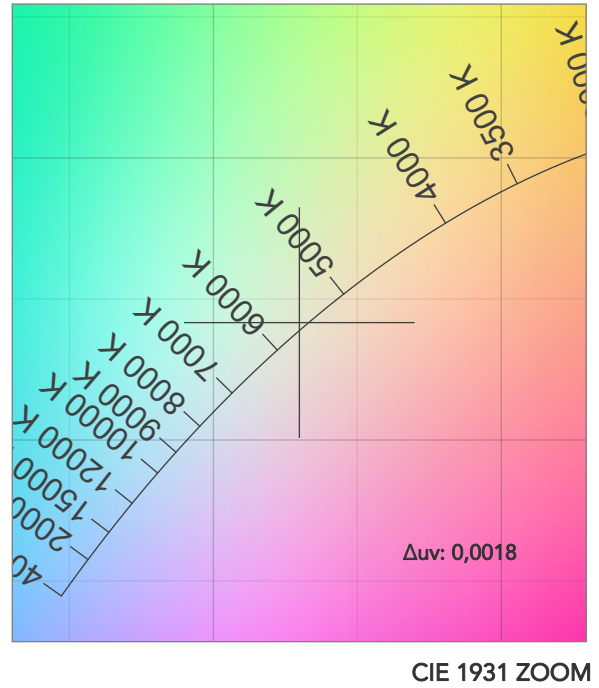
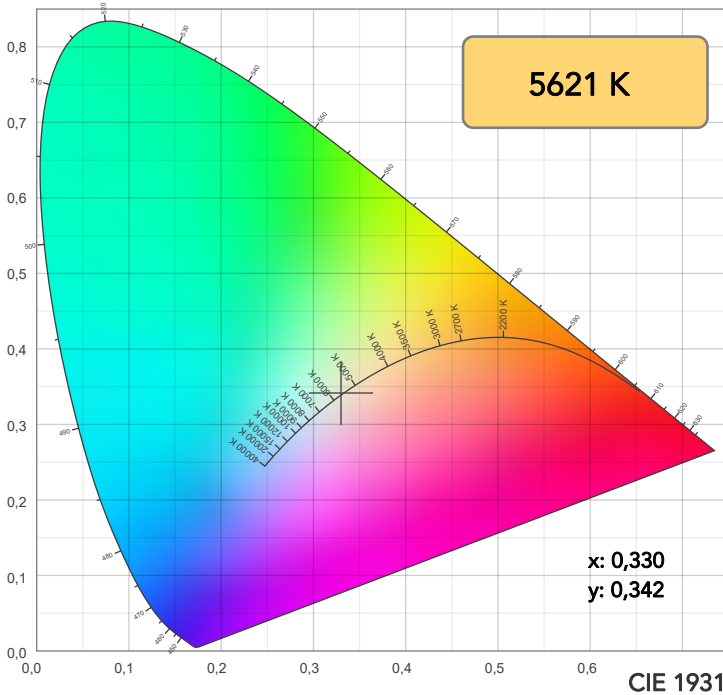
Field angle 10%: 19,3°

Cut off angle 2.5%: 26,3°

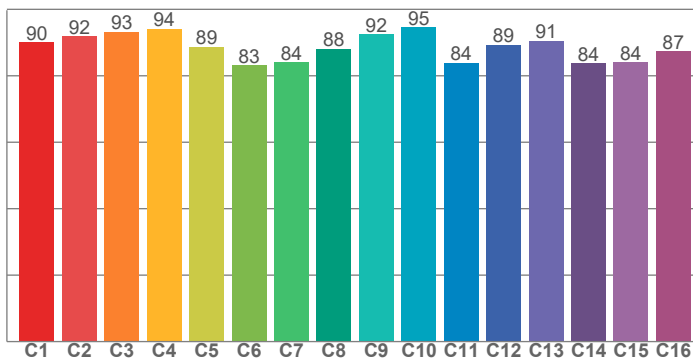
Spectra



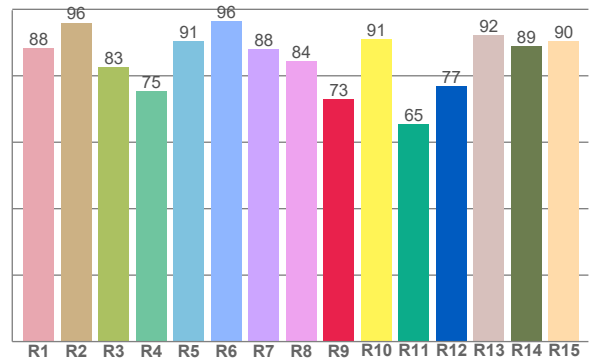
# COLOR DETAILS



TM30: 88,9



CRI: 87,7 (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
88,3	96,0	82,5	75,3	90,5	96,5	88,0	84,4	72,9	91,0	65,4	77,0	92,1	88,9	90,3

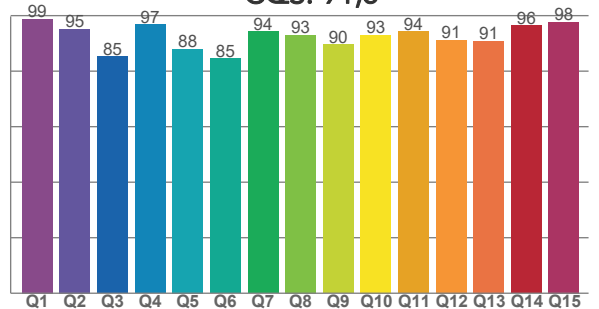
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,0	91,9	93,3	94,1	88,7	83,1	84,1	88,1	92,4	94,7	83,9	89,4	90,6	83,8	84,1	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	95,2	85,4	96,9	87,9	84,5	94,3	93,0	89,5	93,1	94,3	91,2	90,9	96,5	97,8

CQS: 91,5



## COLOR PARAMETERS

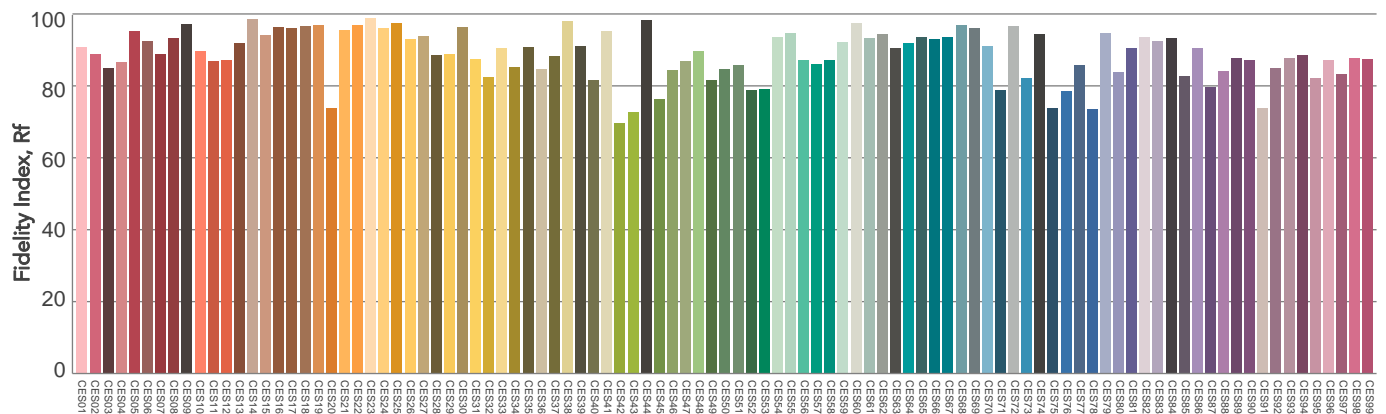
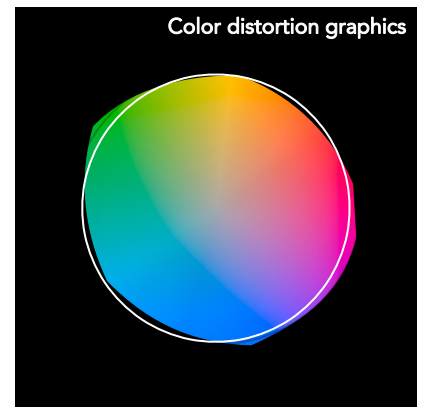
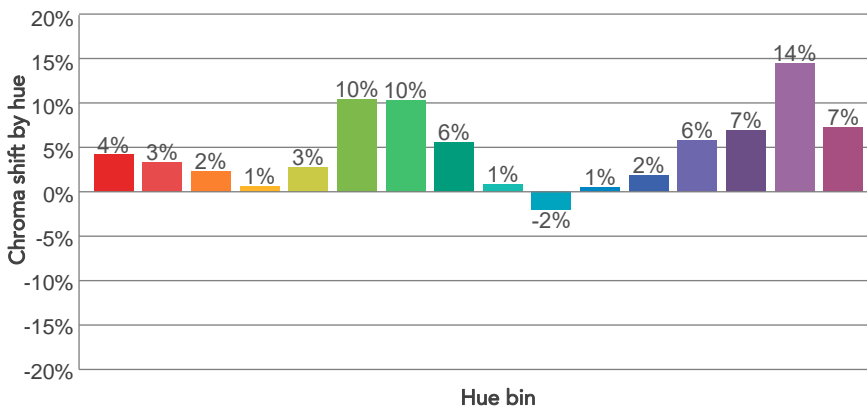
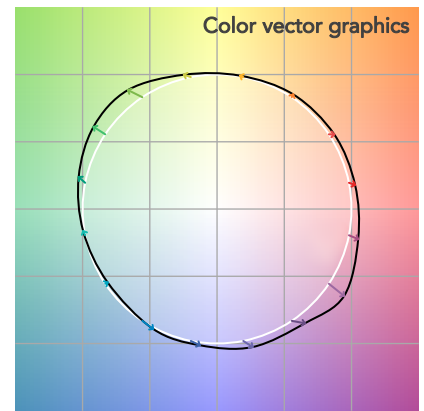
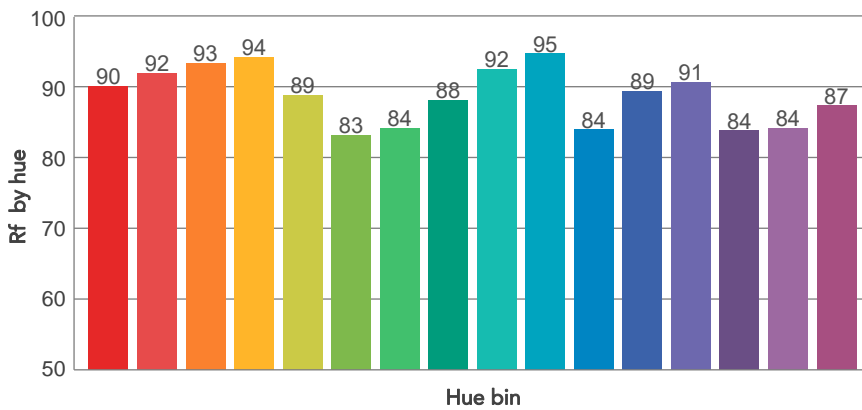
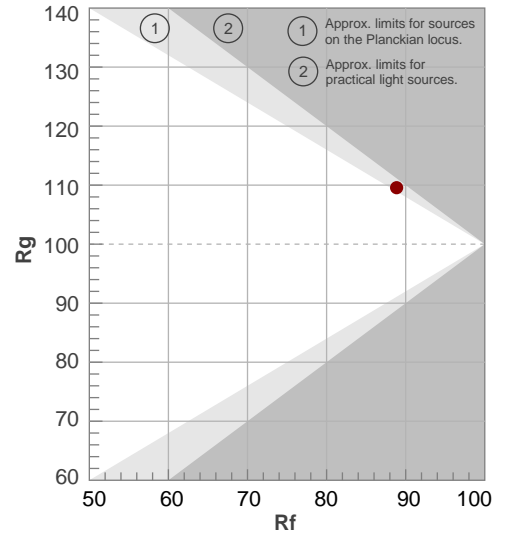
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5621 K	87,7	72,9	88,9	109,6	91,5	80	0,330	0,342	0,0018

# TM30 DETAILS

**Rf 88,9**  
Fidelity index Rf

**Rg 109,6**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	93	2%	0%
4	94	1%	3%
5	89	3%	5%
6	83	10%	6%
7	84	10%	0%
8	88	6%	-3%
9	92	1%	-3%
10	95	-2%	0%
11	84	1%	10%
12	89	2%	7%
13	91	6%	6%
14	84	7%	7%
15	84	14%	-1%
16	87	7%	-1%



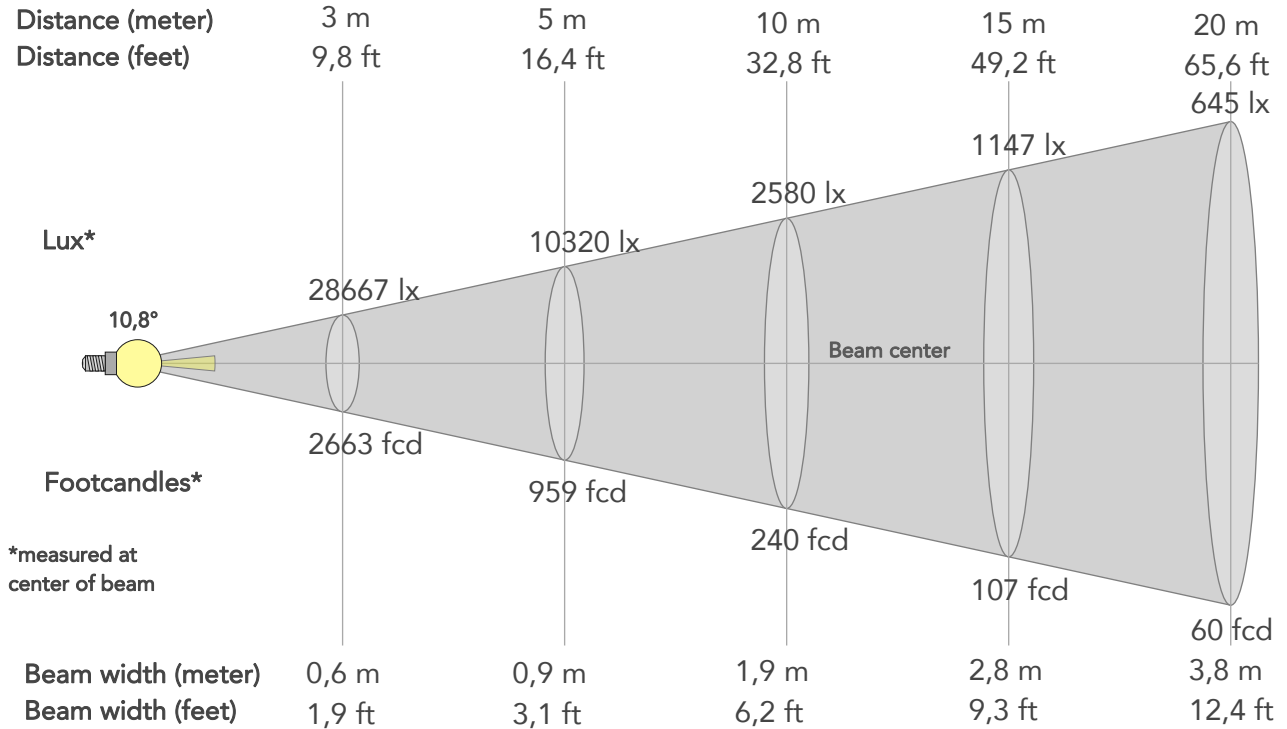
Color Evaluation Sample



# BEAM DETAILS



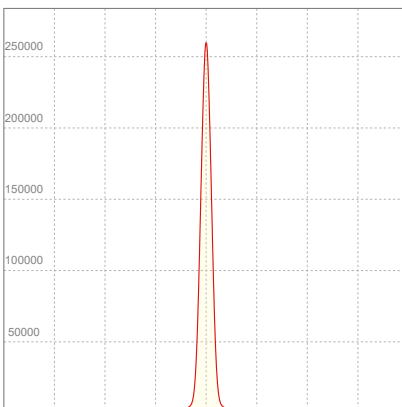
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,8°	19,3°	26,3°	99,1%	96,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	258005lx	64501lx	28667lx	16125lx	10320lx	4587lx	2580lx	1147lx	645lx	413lx	287lx	161lx	103lx
Footcand.	23969fcd	5992fcd	2663fcd	1498fcd	959fcd	426fcd	240fcd	107fcd	60fcd	38fcd	27fcd	15fcd	10fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,2ft	1,9ft	2,5ft	3,1ft	4,7ft	6,2ft	9,3ft	12,4ft	15,5ft	18,6ft	24,8ft	31ft

## LINEAR DISTRIBUTION DIAGRAM

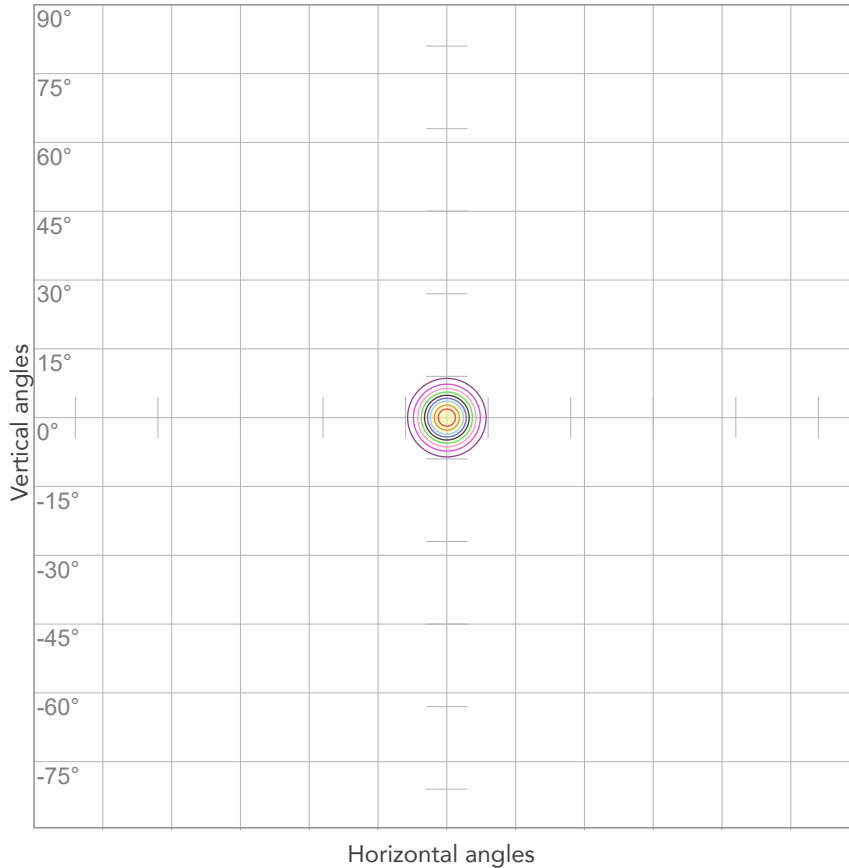


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,14A	206W	0,8	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



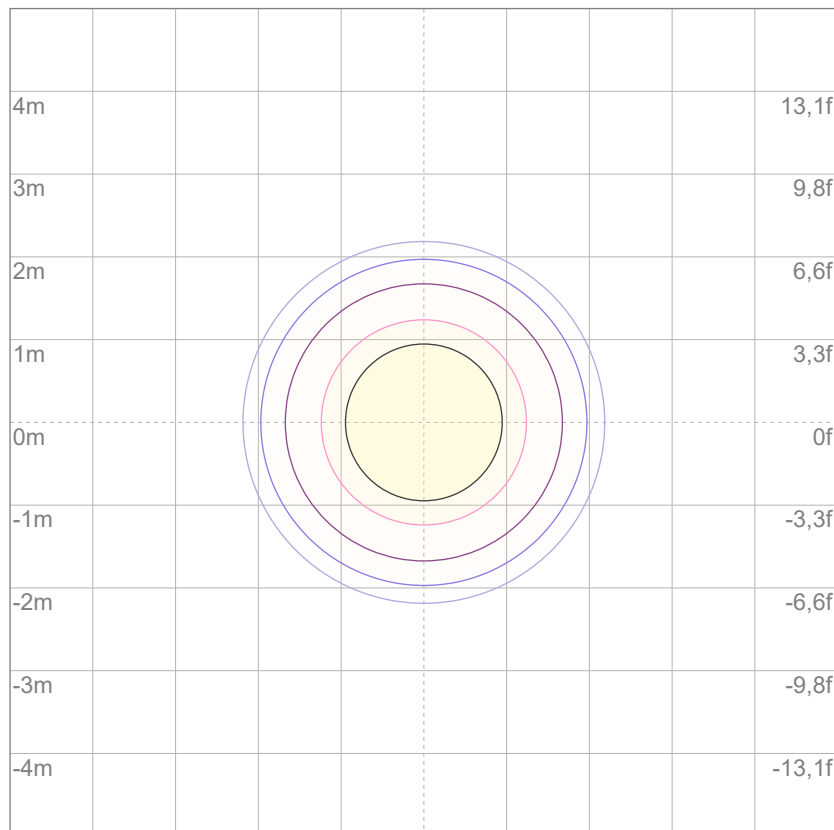
10%	25801 cd
20%	51601 cd
30%	77402 cd
40%	103202 cd
50%	129003 cd
60%	154803 cd
70%	180604 cd
80%	206404 cd

Conditions:

Number of c-planes: 2

Candela at center: 258005 cd

## ISO LUX DIAGRAM



3%	77,4 lx
5%	129 lx
10%	258 lx
30%	774 lx
50%	1290 lx

Conditions:

Number of c-planes: 2

Lux at center: 2580 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

12671 lm

Peak candela output:

51457 cd

Light quality:

CRI: 87,5

Color temperature:

5613 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20°Filter

Target:

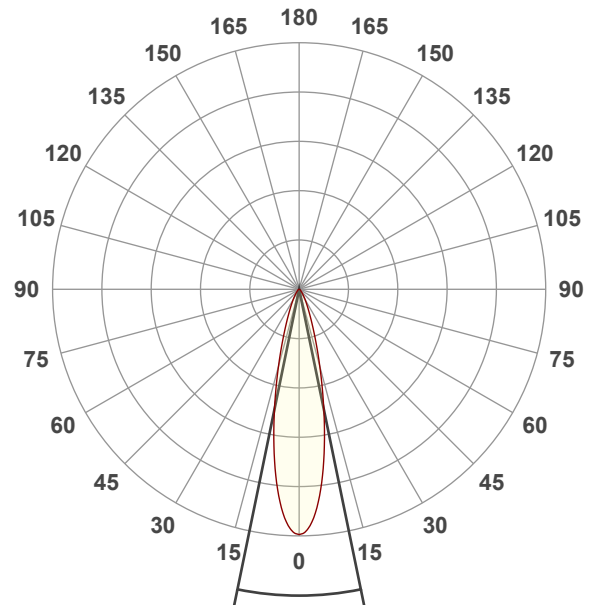
5600K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 16:09:36

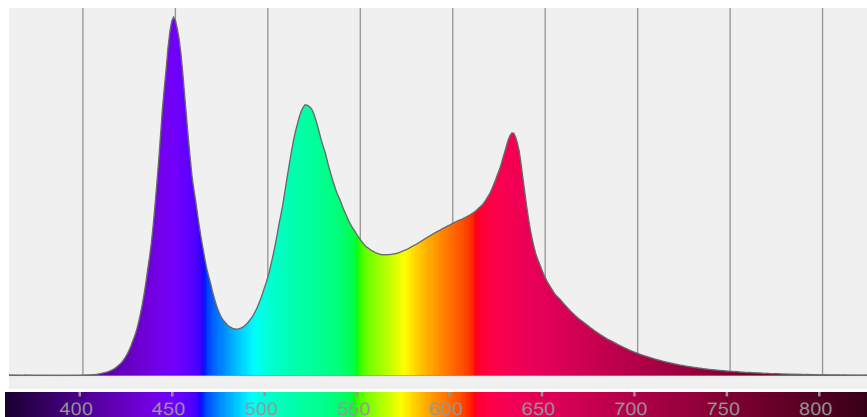


Beam angle 50%: 23,2°

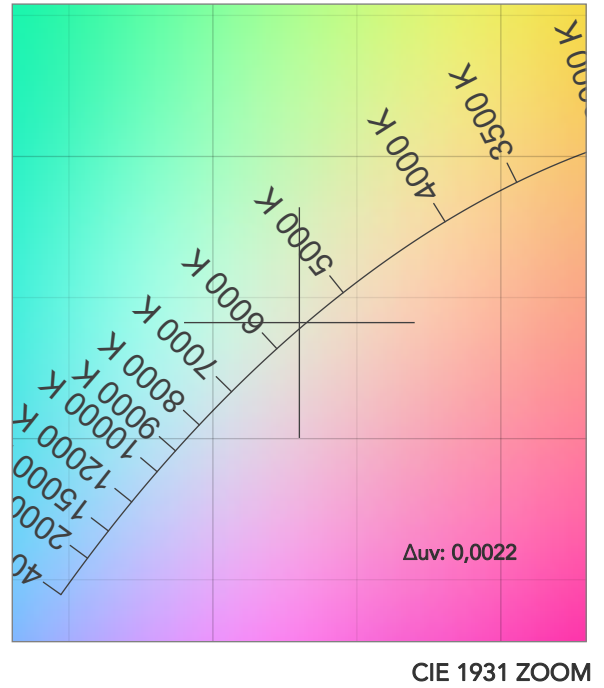
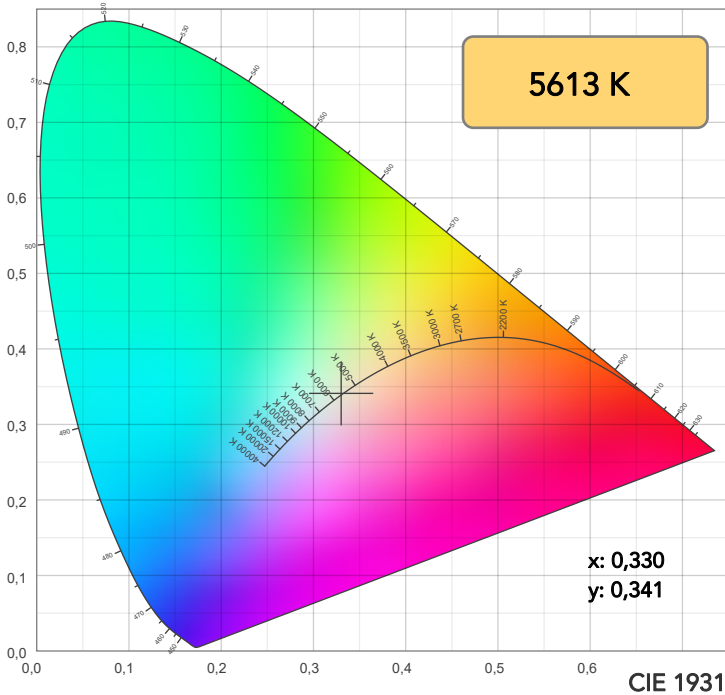
Field angle 10%: 47,4°

Cut off angle 2.5%: 72,6°

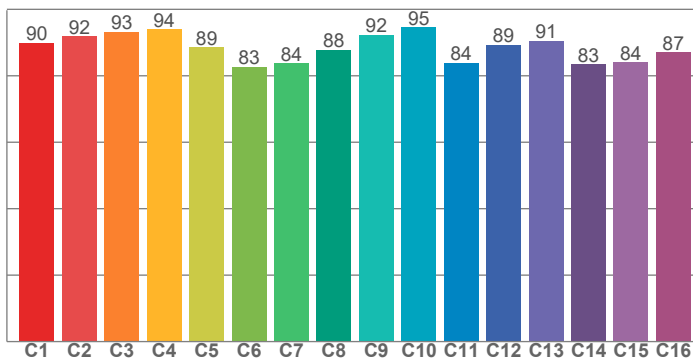
Spectra



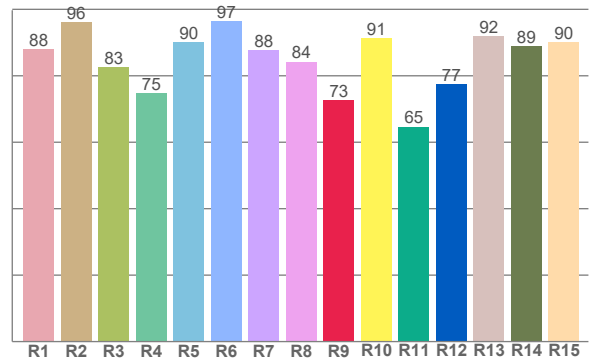
# COLOR DETAILS



**TM30: 88,7**



**CRI: 87,5 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,0	96,0	82,5	74,7	90,2	96,5	87,8	84,3	72,7	91,3	64,7	77,4	91,9	88,9	90,0

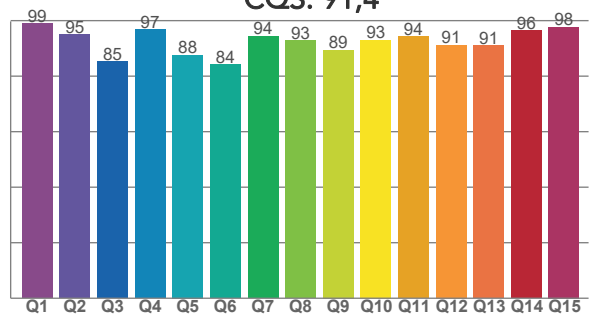
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,9	91,8	93,2	94,0	88,6	82,8	83,7	87,8	92,3	94,7	83,9	89,3	90,5	83,5	84,1	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	95,1	85,3	96,9	87,5	84,2	94,4	92,9	89,5	93,0	94,3	91,2	91,0	96,4	97,7

**CQS: 91,4**



## COLOR PARAMETERS

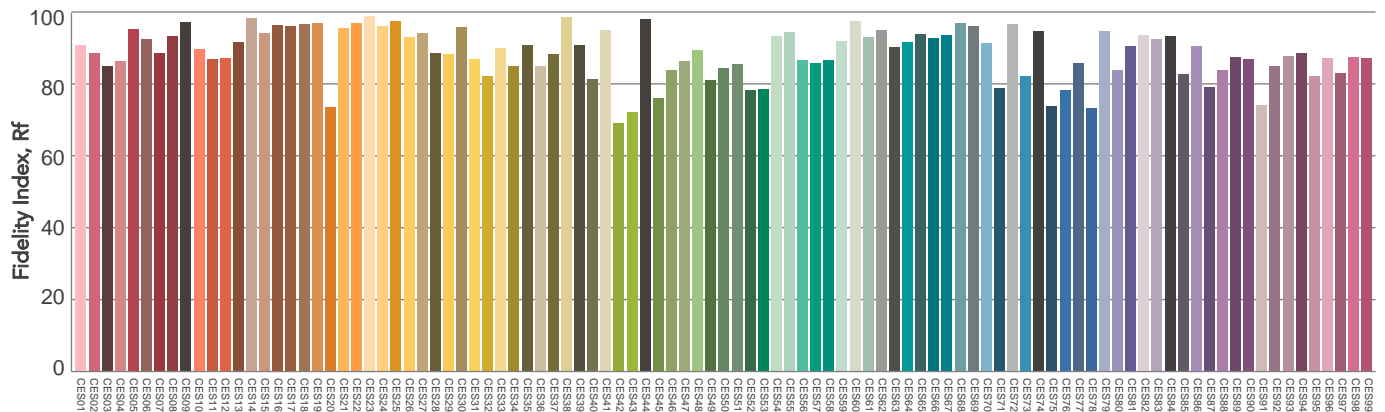
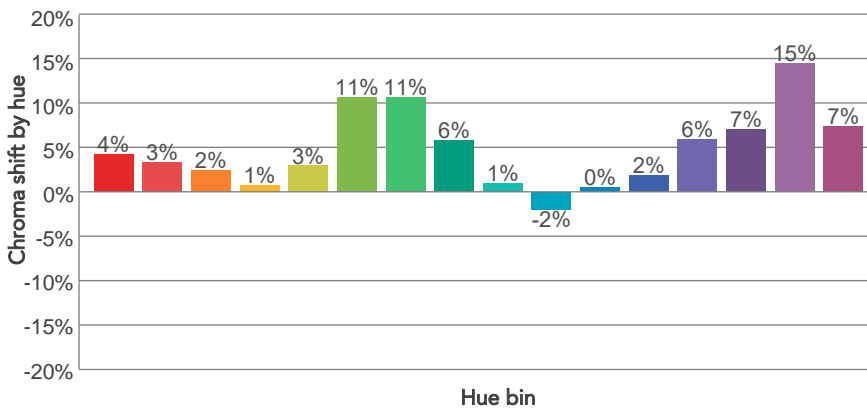
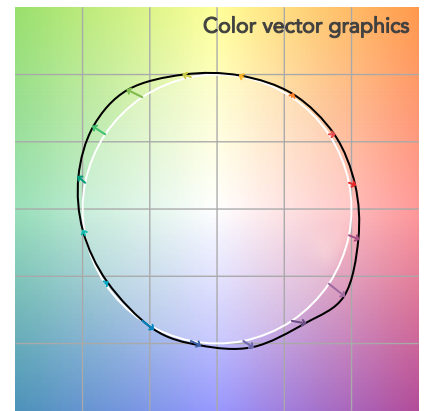
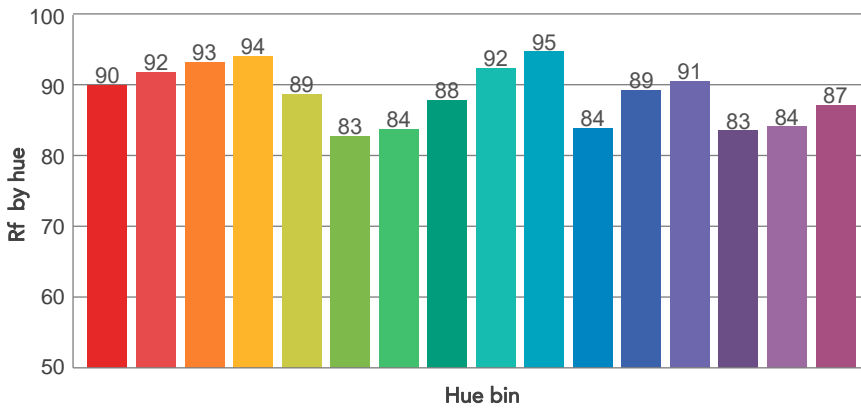
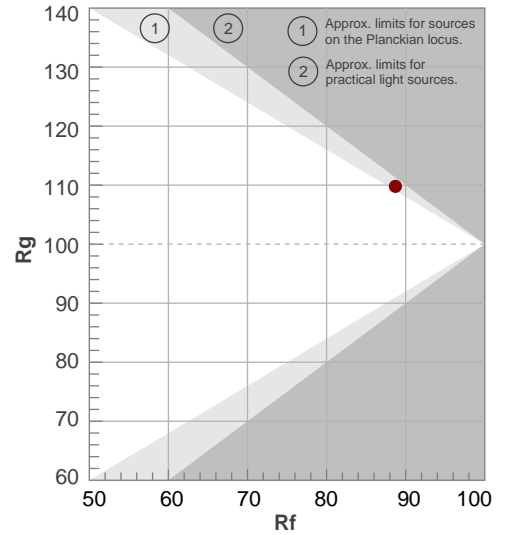
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5613 K	87,5	72,7	88,7	109,8	91,4	79	0,330	0,341	0,0022

# TM30 DETAILS

**Rf 88,7**  
Fidelity index Rf

**Rg 109,8**  
Gammut index

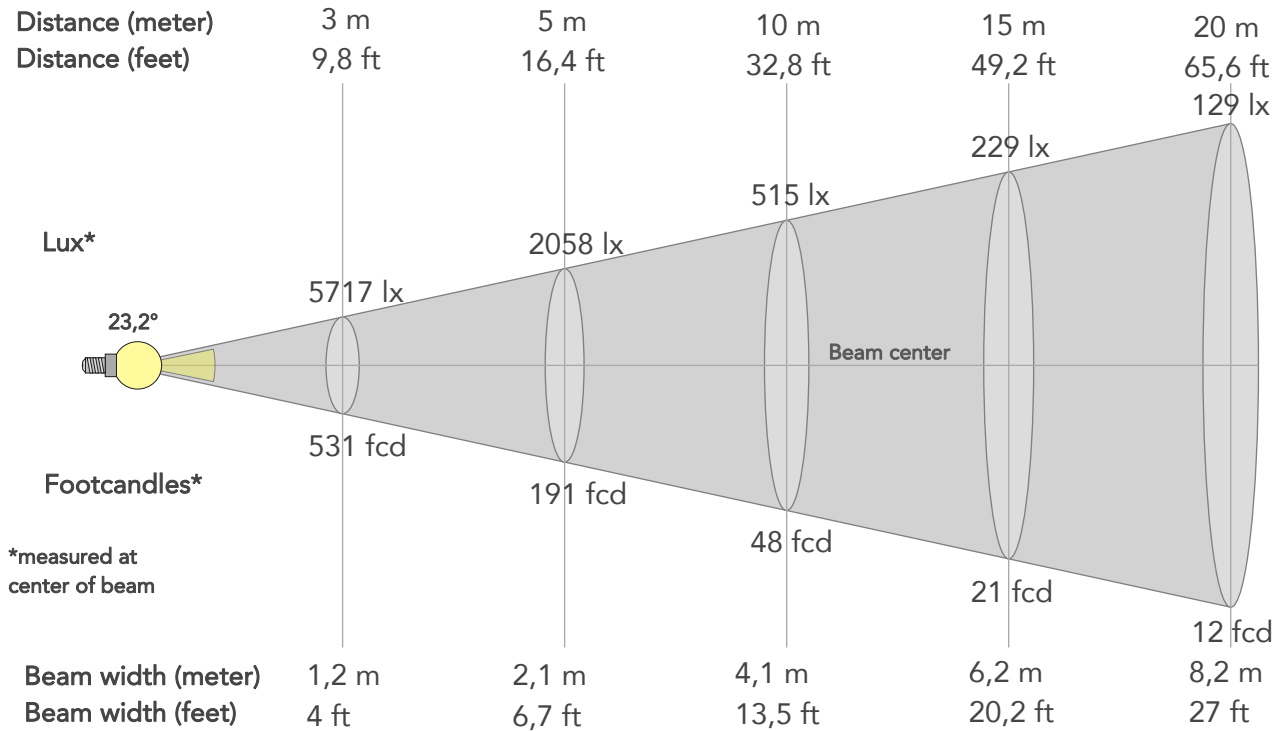
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	93	2%	0%
4	94	1%	3%
5	89	3%	5%
6	83	11%	6%
7	84	11%	0%
8	88	6%	-3%
9	92	1%	-4%
10	95	-2%	0%
11	84	0%	10%
12	89	2%	7%
13	91	6%	6%
14	83	7%	7%
15	84	15%	-1%
16	87	7%	-1%



# BEAM DETAILS



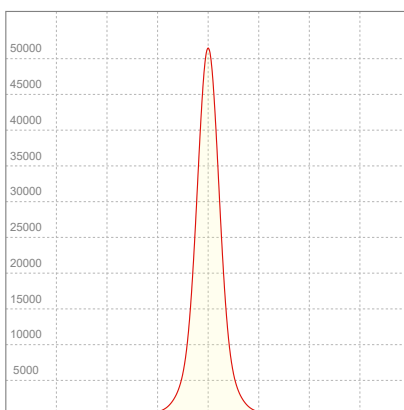
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,2°	47,4°	72,6°	97,6%	93,4%



## 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	51457lx	12864lx	5717lx	3216lx	2058lx	915lx	515lx	229lx	129lx	82lx	57lx	32lx	21lx
Footcand.	4781fcd	1195fcd	531fcd	299fcd	191fcd	85fcd	48fcd	21fcd	12fcd	8fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2,1m	3,1m	4,1m	6,2m	8,2m	10,3m	12,3m	16,4m	20,6m
Beam wid.	1,4ft	2,7ft	4ft	5,4ft	6,7ft	10,1ft	13,5ft	20,2ft	27ft	33,7ft	40,5ft	53,9ft	67,4ft

## LINEAR DISTRIBUTION DIAGRAM

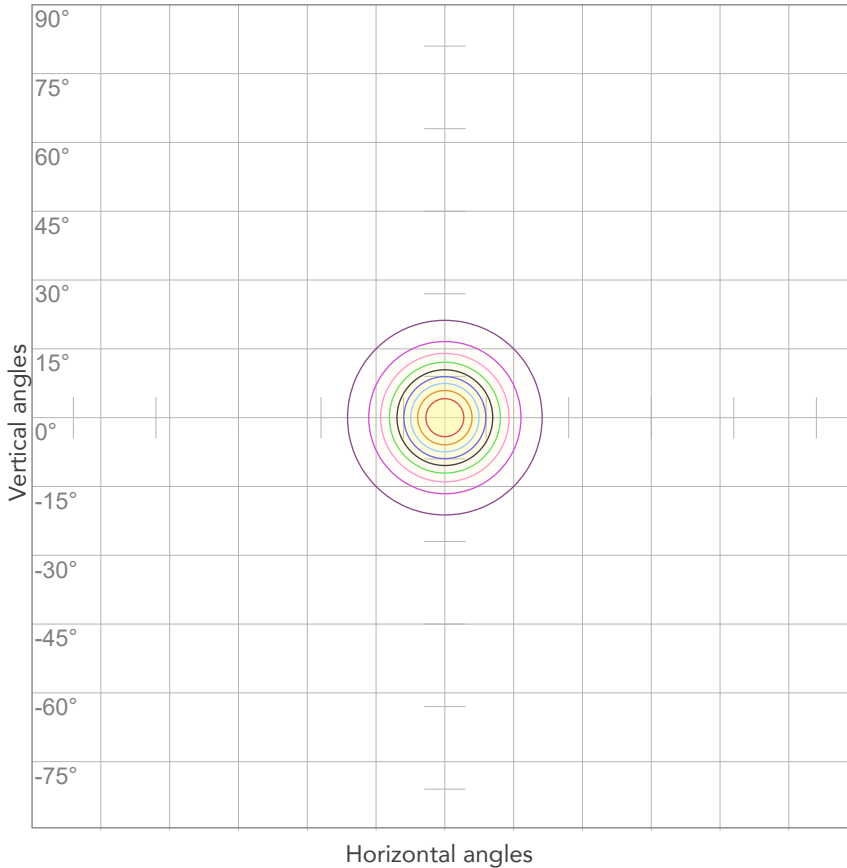


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,13A	212,2W	0,83	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



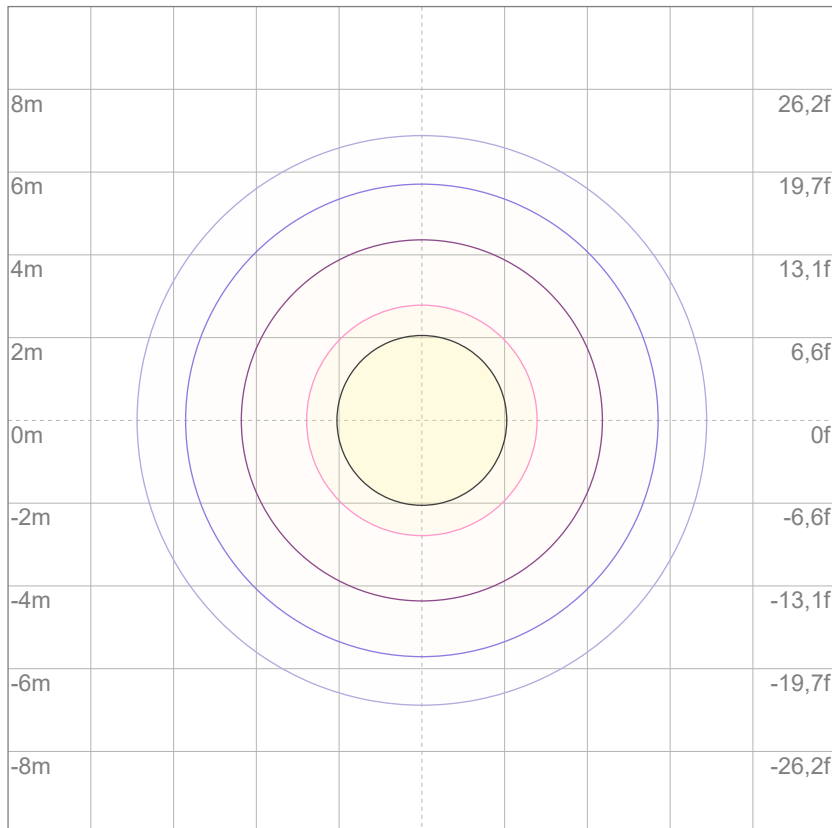
10%	5146 cd
20%	10291 cd
30%	15437 cd
40%	20583 cd
50%	25729 cd
60%	30874 cd
70%	36020 cd
80%	41166 cd

Conditions:

Number of c-planes: 2

Candela at center: 51457 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	15,4 lx
5%	25,7 lx
10%	51,5 lx
30%	154 lx
50%	257 lx

Conditions:

Number of c-planes: 2

Lux at center: 515 lx

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



Total lumen output:

12337 lm

Peak candela output:

15973 cd

Light quality:

CRI: 87,4

Color temperature:

5610 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40°Filter

Target:

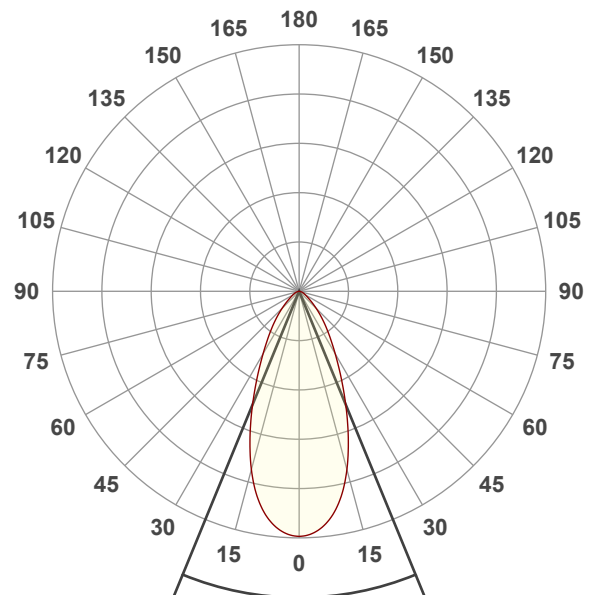
5600K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 16:34:49

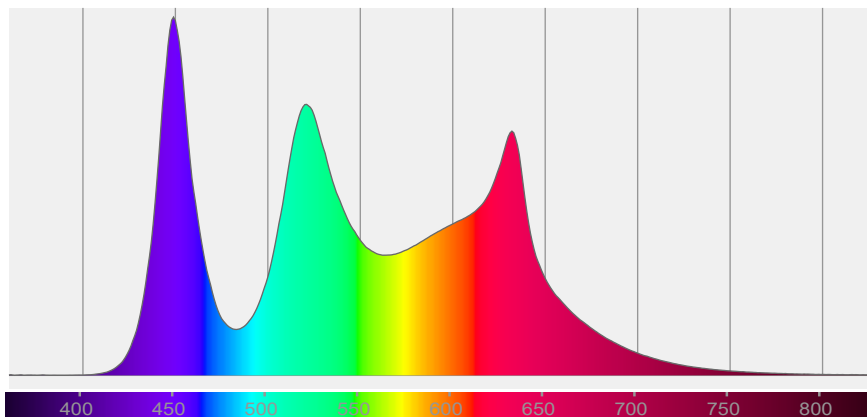


Beam angle 50%: 44,7°

Field angle 10%: 89,6°

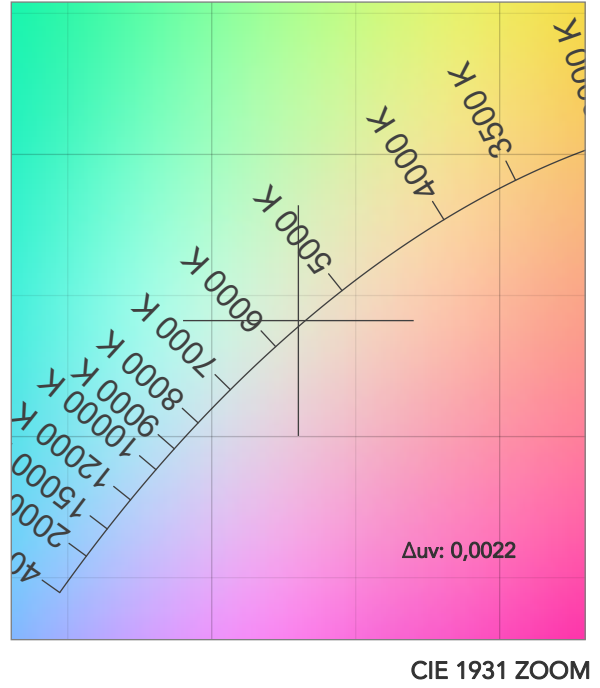
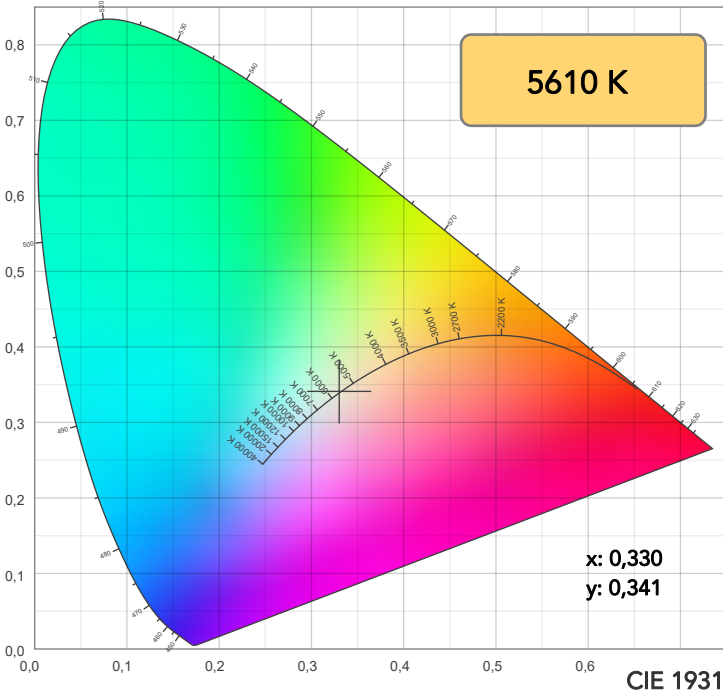
Cut off angle 2.5%: 125,3°

Spectra

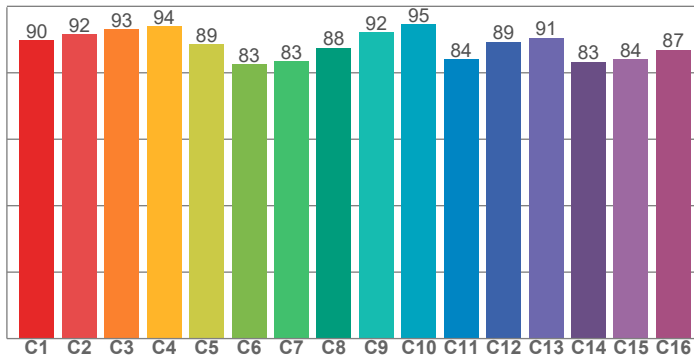




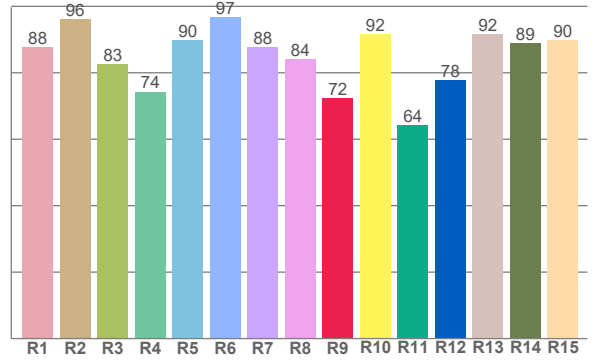
# COLOR DETAILS



**TM30: 88,6**



**CRI: 87,4 (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
87,7	96,1	82,5	74,3	89,9	96,6	87,7	84,1	72,2	91,6	64,2	77,8	91,7	88,9	89,8

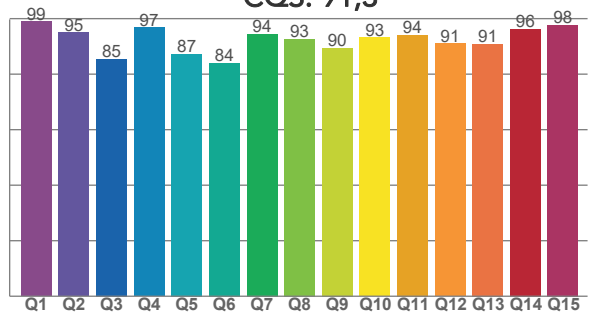
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,8	91,7	93,1	93,9	88,7	82,6	83,5	87,5	92,2	94,6	84,1	89,3	90,5	83,4	84,1	87,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	95,1	85,4	96,8	87,2	84,0	94,4	92,7	89,5	93,1	94,1	91,0	90,9	96,3	97,7

**CQS: 91,3**



## COLOR PARAMETERS

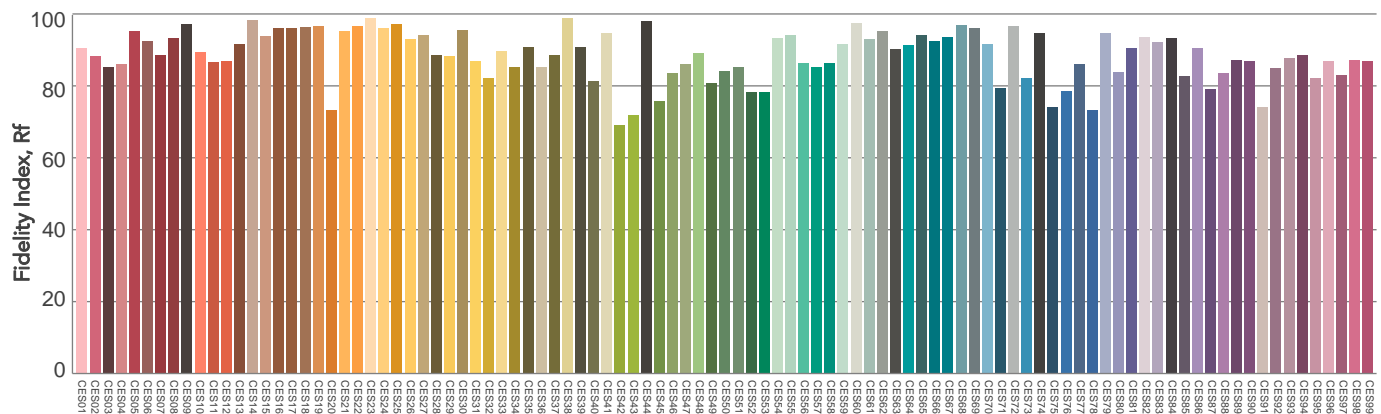
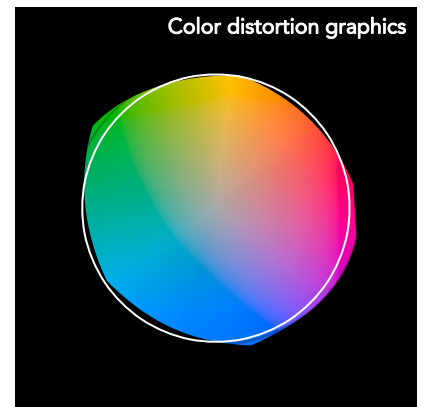
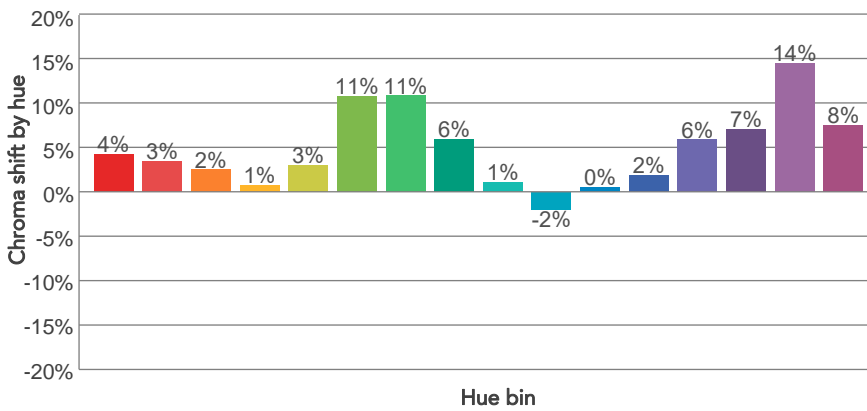
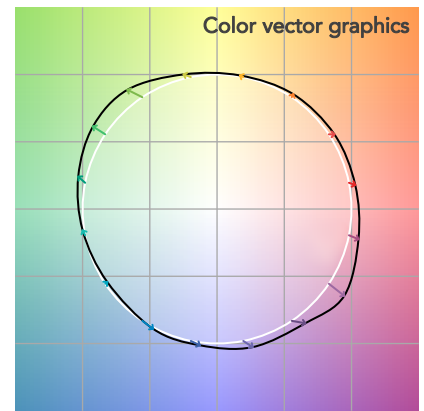
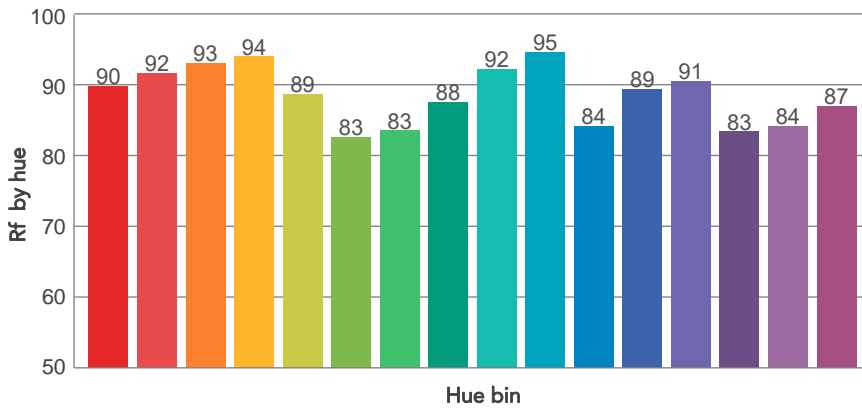
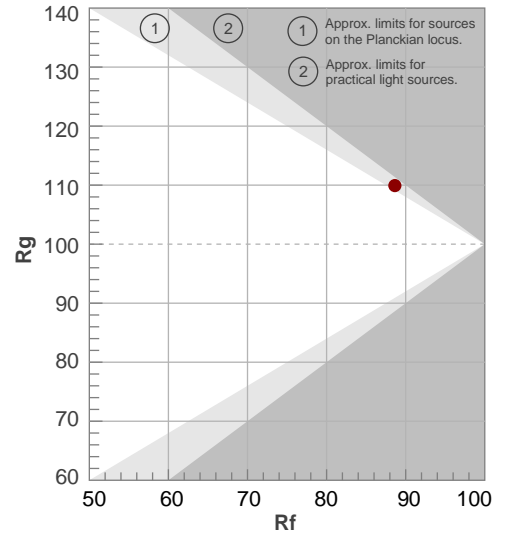
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5610 K	87,4	72,2	88,6	109,9	91,3	79	0,330	0,341	0,0022

# TM30 DETAILS

**Rf 88,6**  
Fidelity index Rf

**Rg 109,9**  
Gammut index

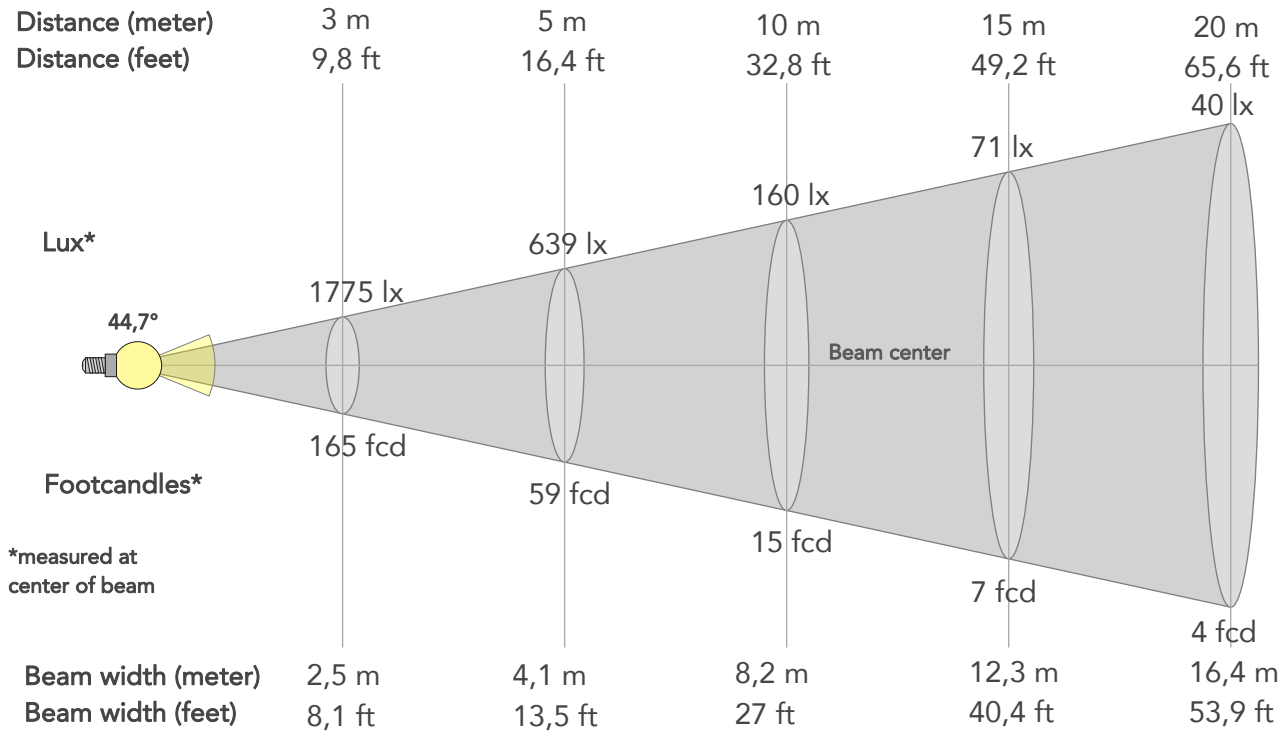
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	93	2%	0%
4	94	1%	3%
5	89	3%	5%
6	83	11%	6%
7	83	11%	0%
8	88	6%	-3%
9	92	1%	-4%
10	95	-2%	0%
11	84	0%	10%
12	89	2%	7%
13	91	6%	6%
14	83	7%	7%
15	84	14%	-1%
16	87	8%	-1%



# BEAM DETAILS



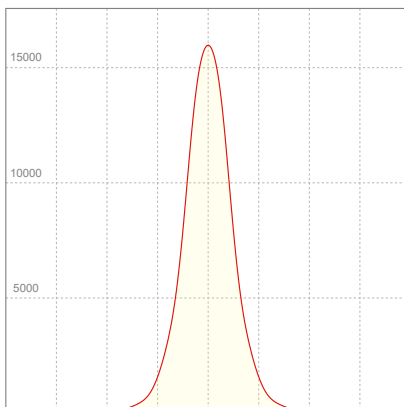
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,7°	89,6°	125,3°	95,4%	86,2%



## 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	15973lx	3993lx	1775lx	998lx	639lx	284lx	160lx	71lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1484fcd	371fcd	165fcd	93fcd	59fcd	26fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,3m	16,4m	20,6m	24,7m	32,9m	41,1m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,2ft	27ft	40,4ft	53,9ft	67,4ft	80,9ft	107,9ft	134,8ft

## LINEAR DISTRIBUTION DIAGRAM

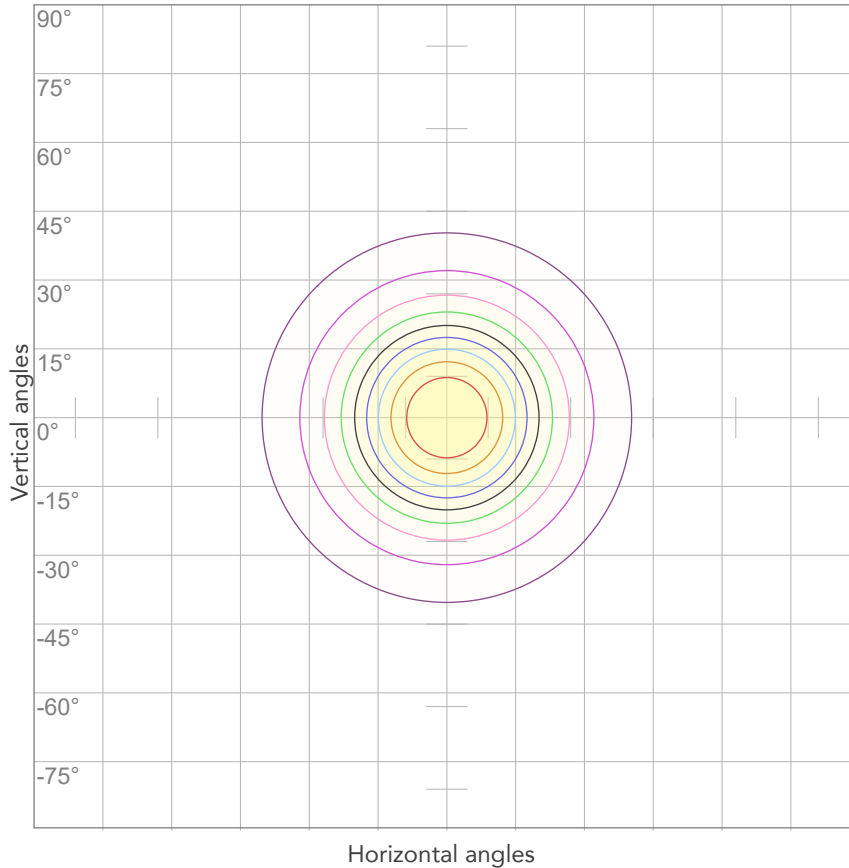


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,12A	213,4W	0,84	58lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



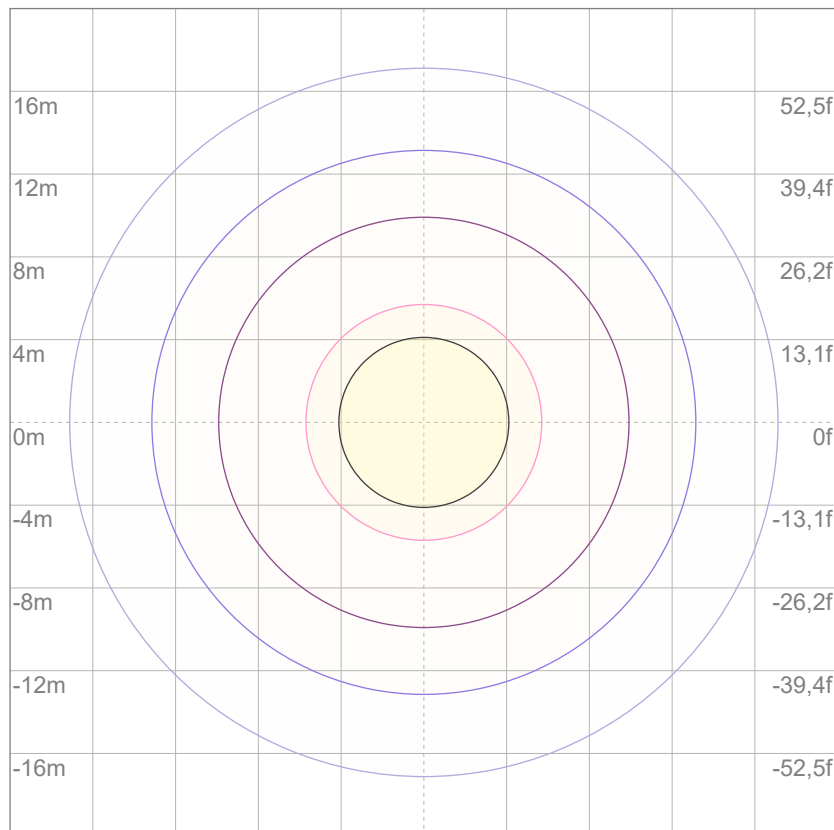
10%	1597 cd
20%	3195 cd
30%	4792 cd
40%	6389 cd
50%	7987 cd
60%	9584 cd
70%	11181 cd
80%	12779 cd

Conditions:

Number of c-planes: 2

Candela at center: 15973 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,79 lx
5%	7,99 lx
10%	16,0 lx
30%	47,9 lx
50%	79,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 160 lx

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



Total lumen output:

12833 lm

Peak candela output:

11577 cd

Light quality:

CRI: 87,5

Color temperature:

6005 K

PRODUCT NAME:

ARCSPOTXLFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60°Filter

Target:

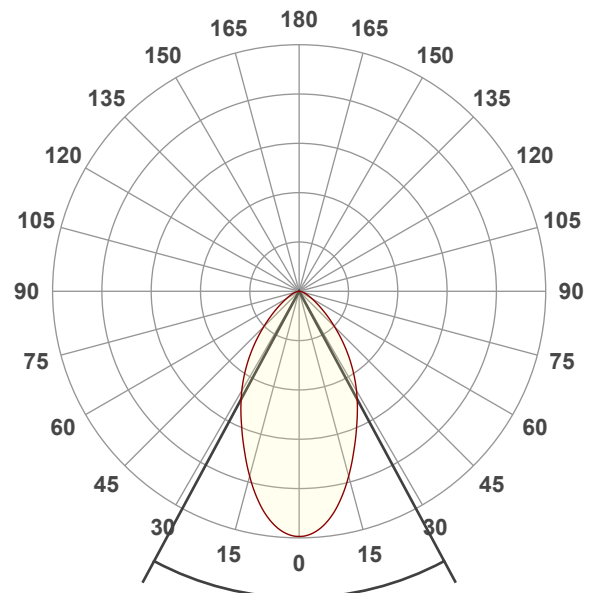
5600K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 12:31:08

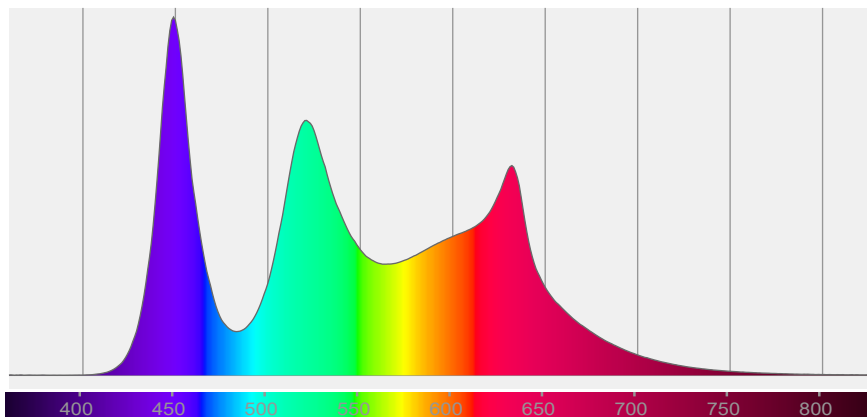


Beam angle 50%: 56,5°

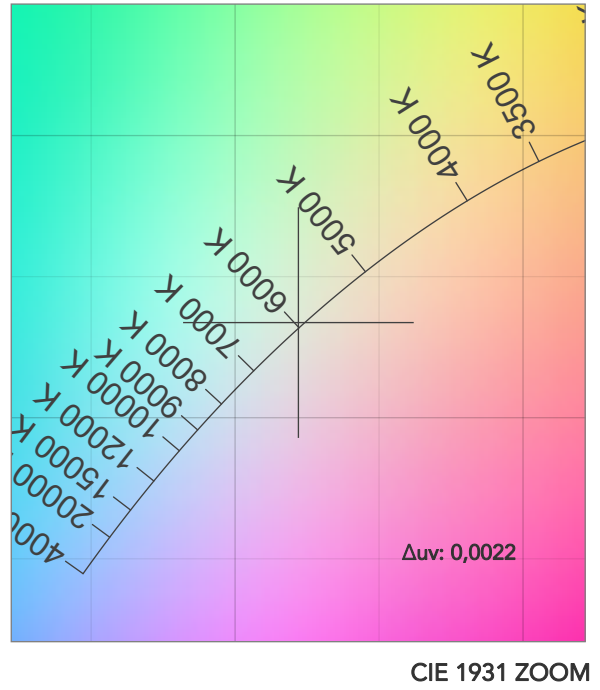
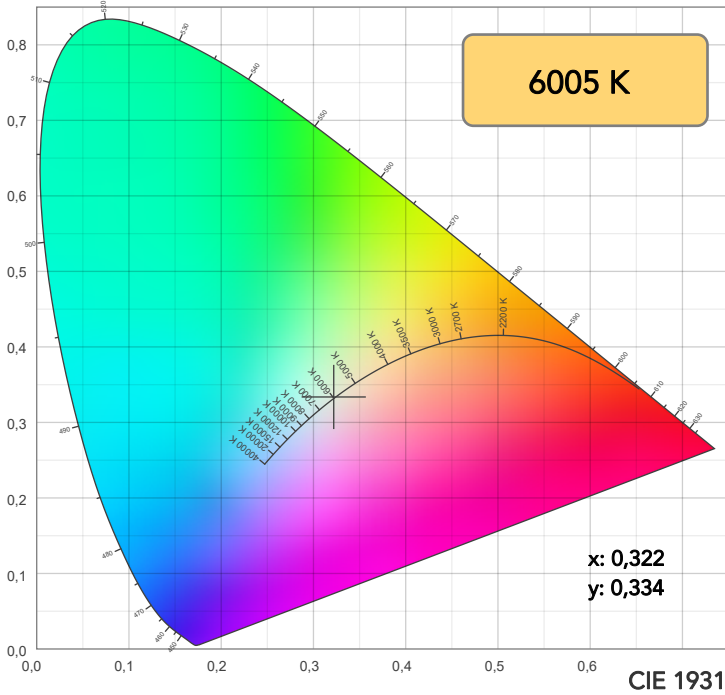
Field angle 10%: 107,9°

Cut off angle 2.5%: 142,9°

Spectra

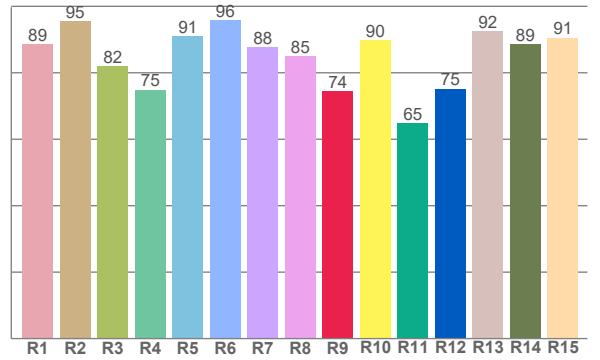
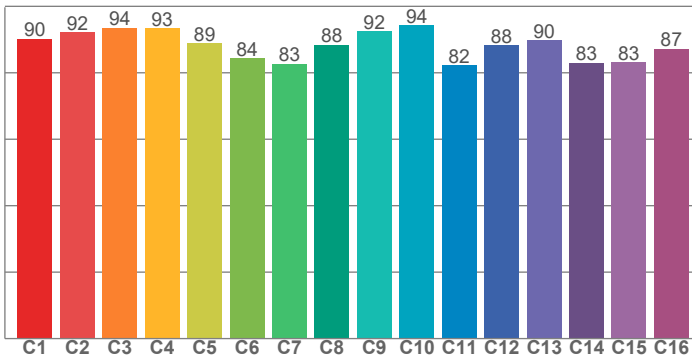


# COLOR DETAILS



TM30: 88,5

CRI: 87,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,6	95,4	82,0	74,9	90,9	95,8	87,8	85,0	74,4	89,8	64,8	75,2	92,5	88,7	90,6

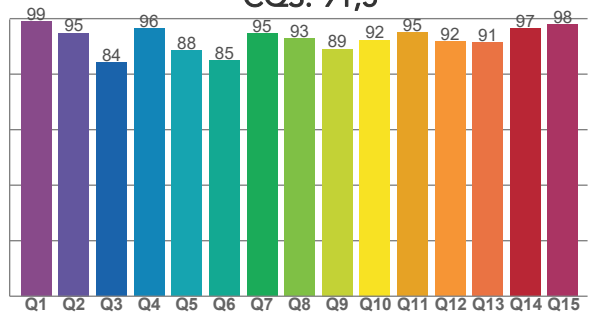
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	92,1	93,5	93,4	88,8	84,4	82,7	88,4	92,4	94,3	82,3	88,2	89,8	83,0	83,2	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	94,8	84,3	96,5	88,4	84,9	94,6	92,8	89,0	92,3	95,0	91,8	91,3	96,5	97,8

CQS: 91,5



## COLOR PARAMETERS

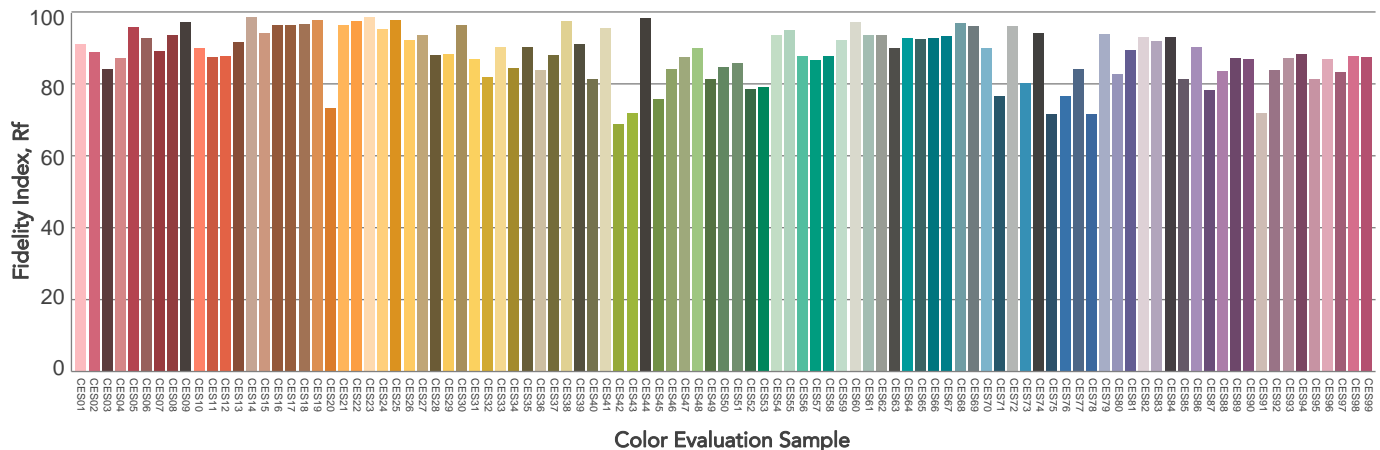
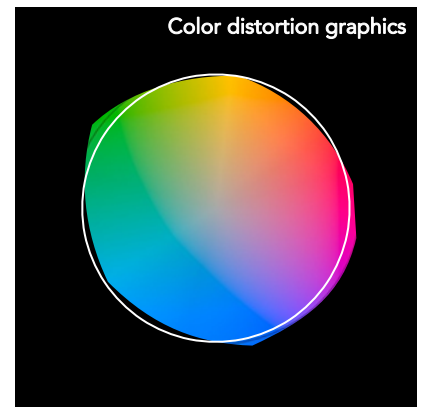
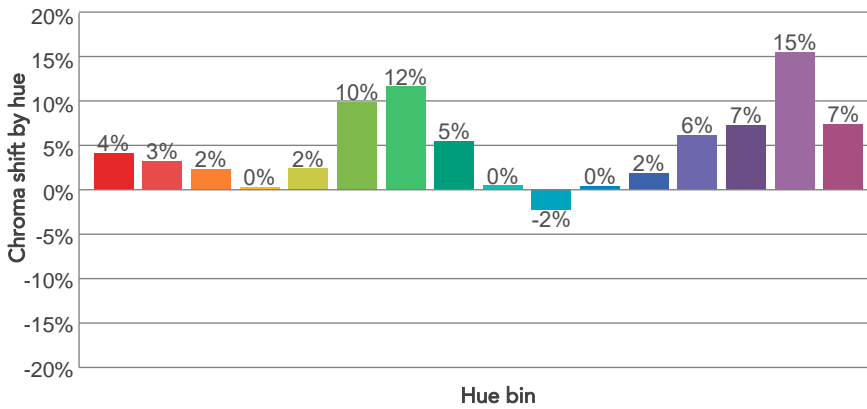
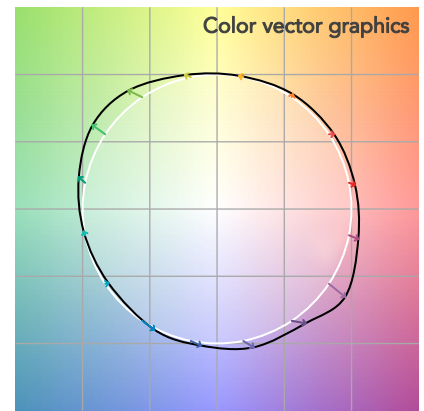
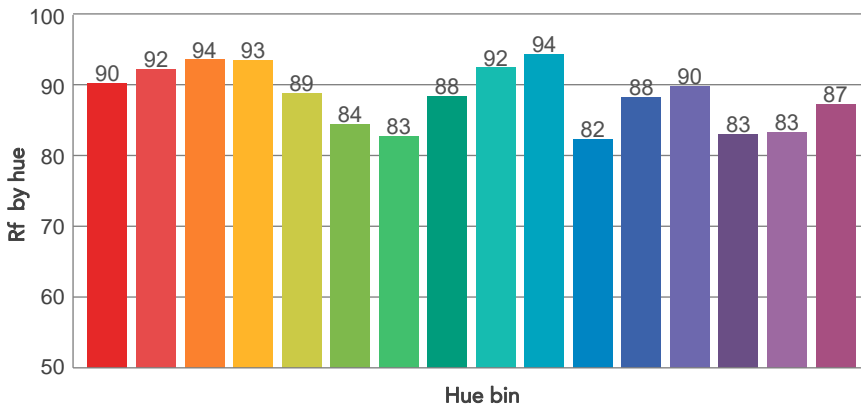
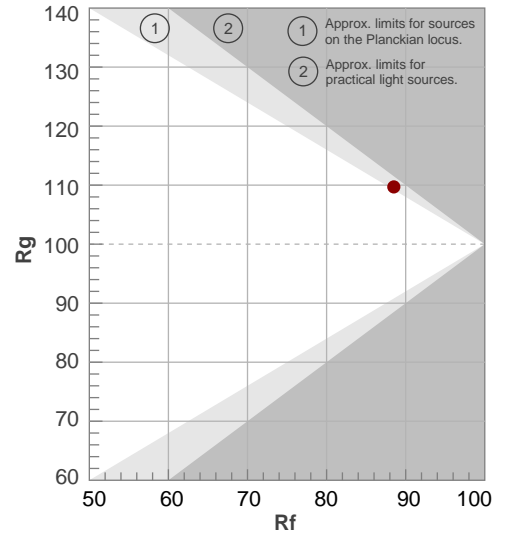
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6005 K	87,5	74,4	88,5	109,7	91,5	80	0,322	0,334	0,0022

# TM30 DETAILS

**Rf 88,5**  
Fidelity index Rf

**Rg 109,7**  
Gammut index

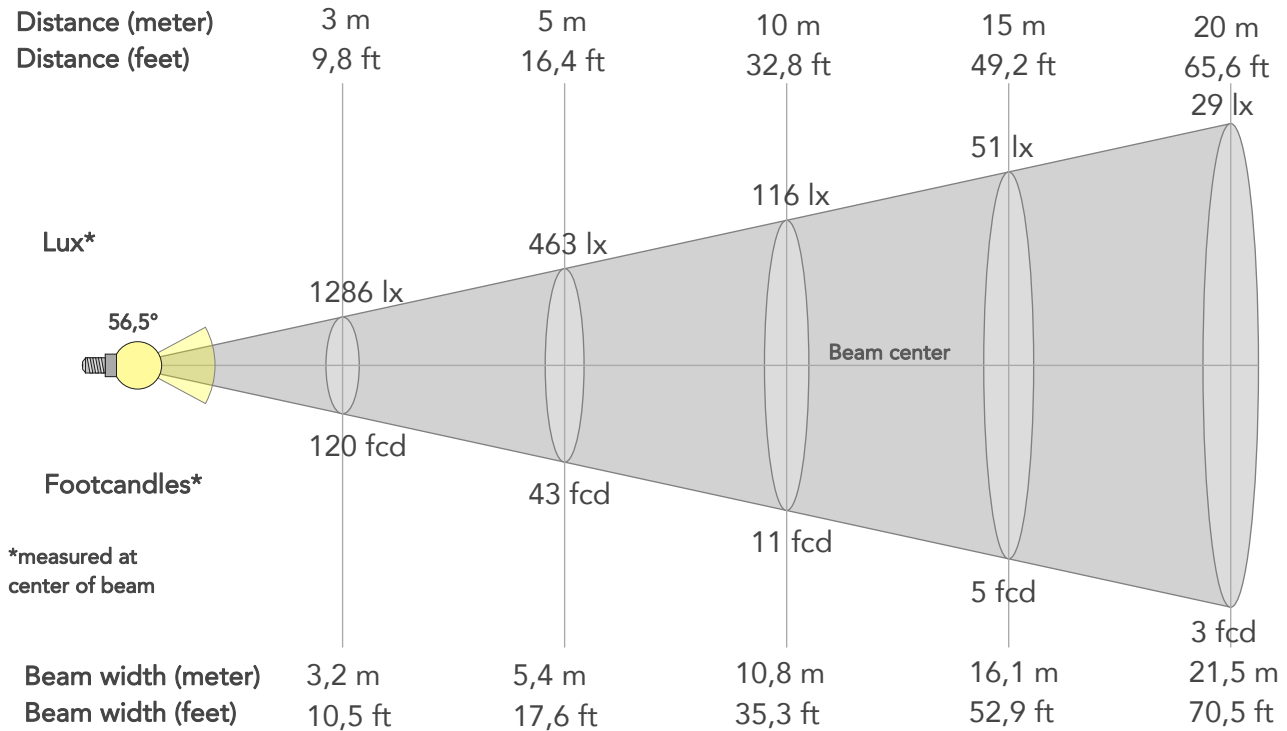
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	94	2%	1%
4	93	0%	3%
5	89	2%	4%
6	84	10%	6%
7	83	12%	0%
8	88	5%	-3%
9	92	0%	-3%
10	94	-2%	1%
11	82	0%	11%
12	88	2%	8%
13	90	6%	7%
14	83	7%	8%
15	83	15%	-1%
16	87	7%	-1%



# BEAM DETAILS



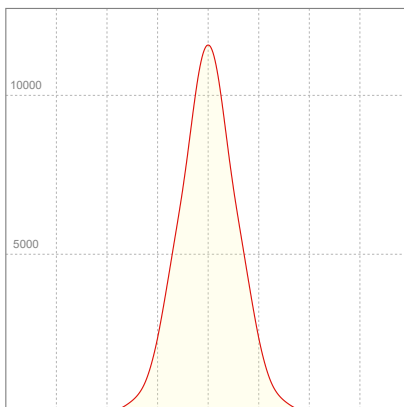
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,5°	107,9°	142,9°	94,0%	80,2%



## 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	11577lx	2894lx	1286lx	724lx	463lx	206lx	116lx	51lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1076fcd	269fcd	120fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,1m	21,5m	26,9m	32,3m	43m	53,8m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,3ft	52,9ft	70,5ft	88,2ft	105,8ft	141,1ft	176,3ft

## LINEAR DISTRIBUTION DIAGRAM



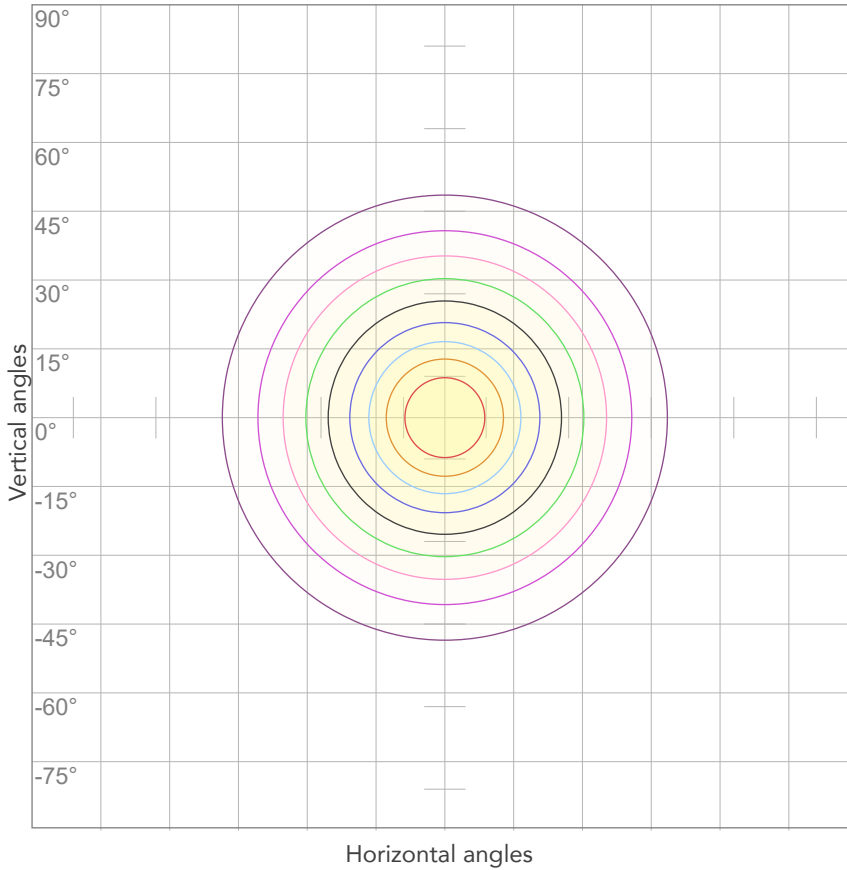
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	1,11A	215,3W	0,84	60lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



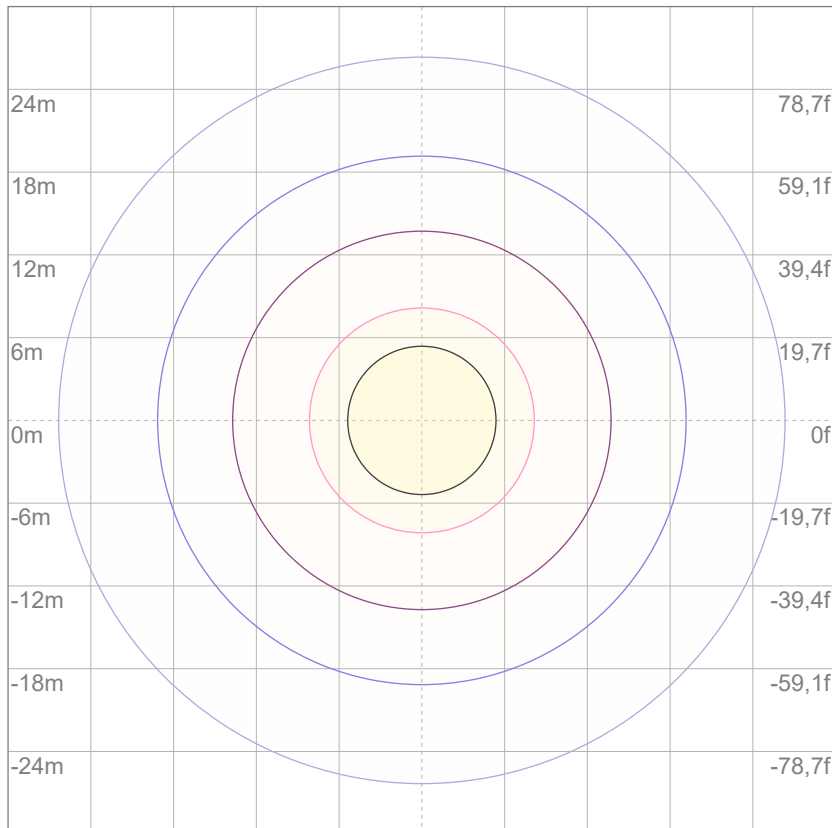
10%	1158 cd
20%	2315 cd
30%	3473 cd
40%	4631 cd
50%	5789 cd
60%	6946 cd
70%	8104 cd
80%	9262 cd

Conditions:

Number of c-planes: 2

Candela at center: 11577 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,47 lx
5%	5,79 lx
10%	11,6 lx
30%	34,7 lx
50%	57,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 116 lx

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



Total lumen output:

14316 lm

Peak candela output:

39387 cd

Light quality:

CRI: 87,2

Color temperature:

5648 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60°Filter

Target:

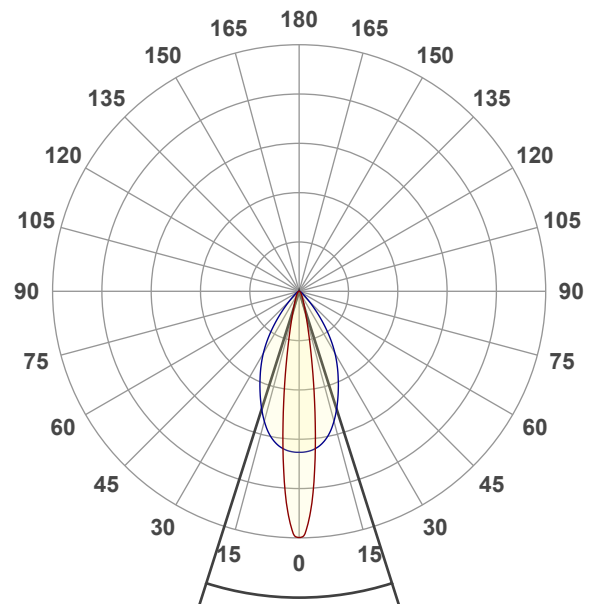
5600K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 11:09:23

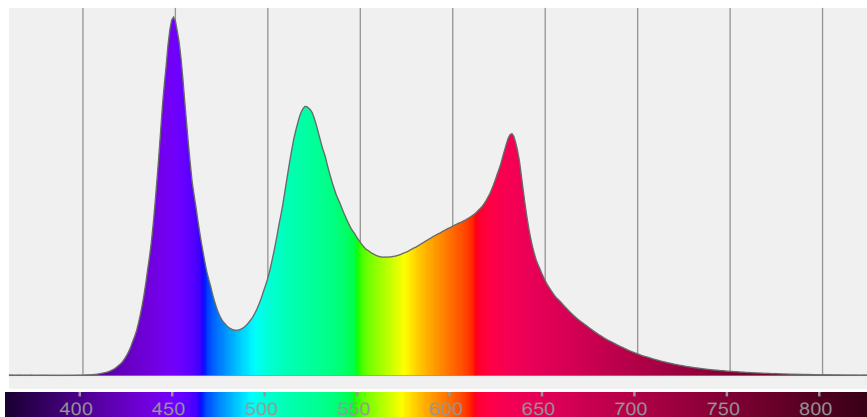


Beam angle 50%: 35,3°

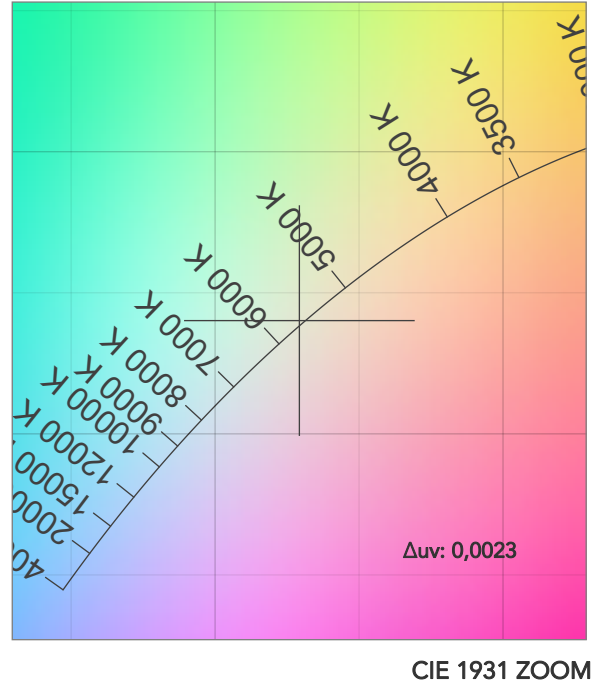
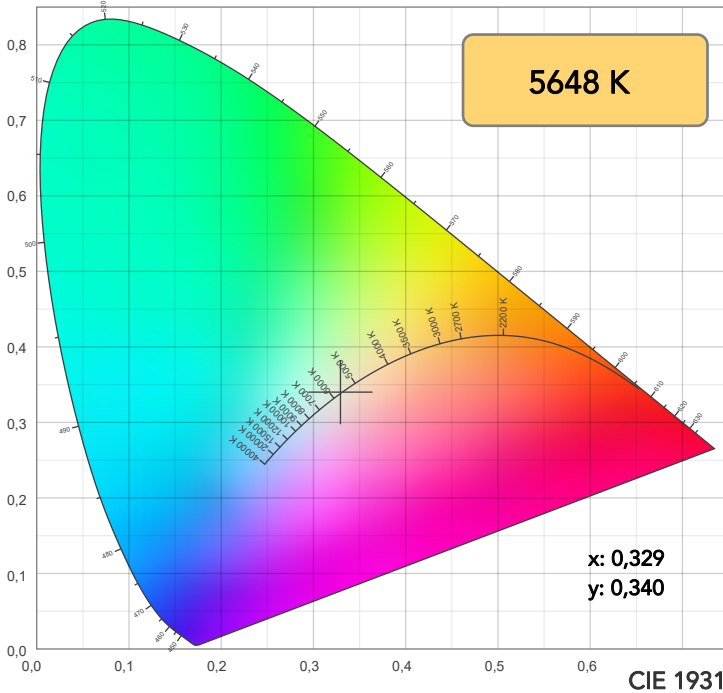
Field angle 10%: 60°

Cut off angle 2.5%: 85,8°

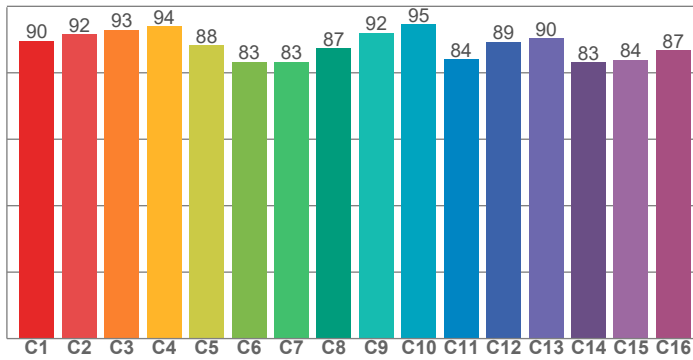
Spectra



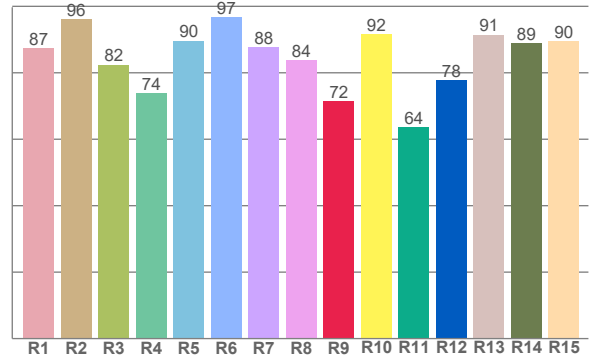
# COLOR DETAILS



**TM30: 88,5**



**CRI: 87,2 (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
87,5	96,1	82,5	74,0	89,7	96,6	87,6	83,8	71,5	91,7	63,7	77,9	91,5	88,9	89,6

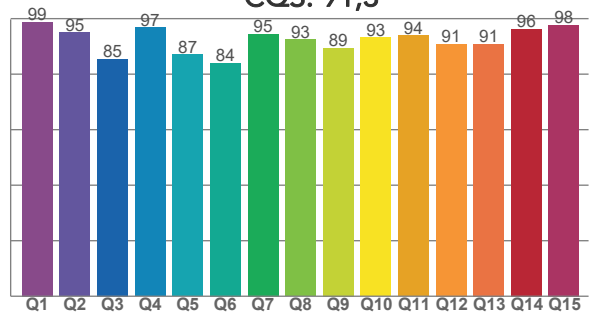
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,7	91,5	93,0	93,9	88,4	83,3	83,3	87,4	92,1	94,6	84,0	89,3	90,5	83,1	83,9	86,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	95,0	85,4	96,8	87,0	84,0	94,5	92,6	89,4	93,2	94,0	90,9	90,8	96,2	97,6

**CQS: 91,3**



## COLOR PARAMETERS

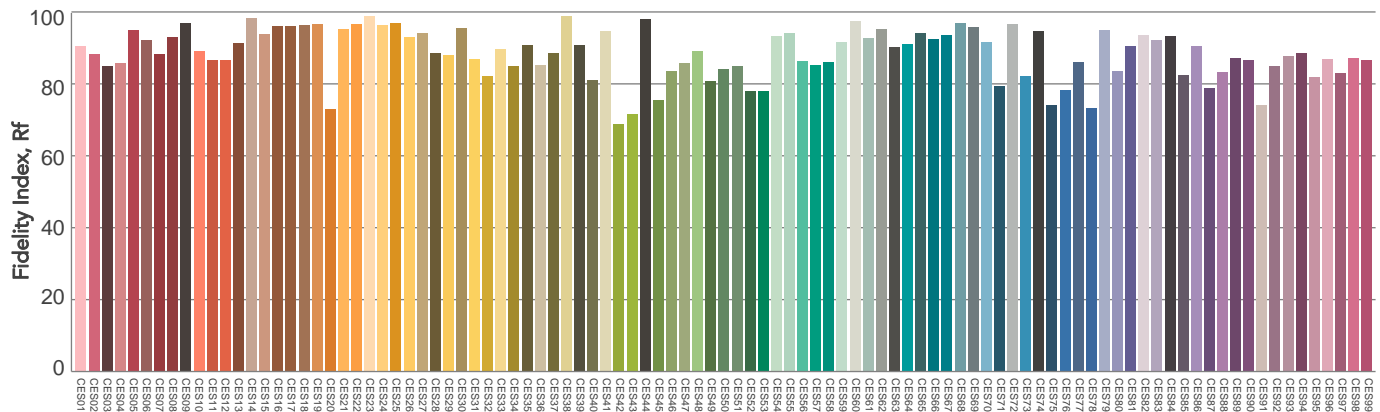
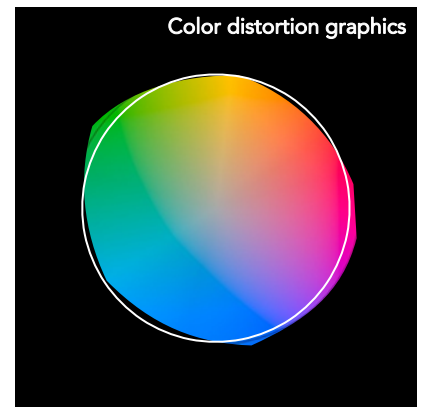
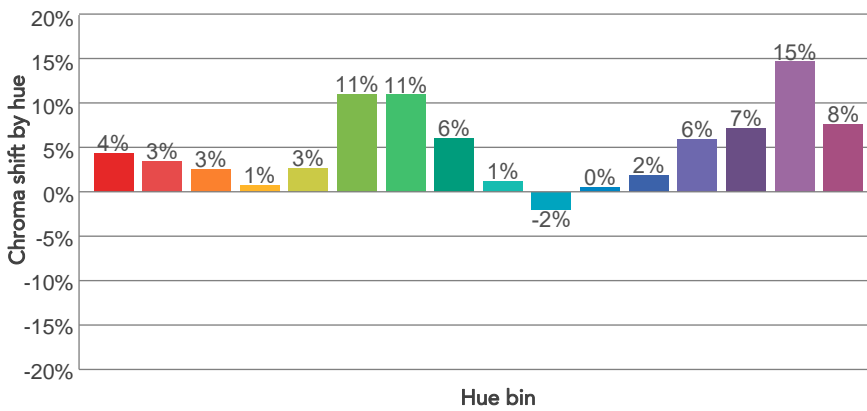
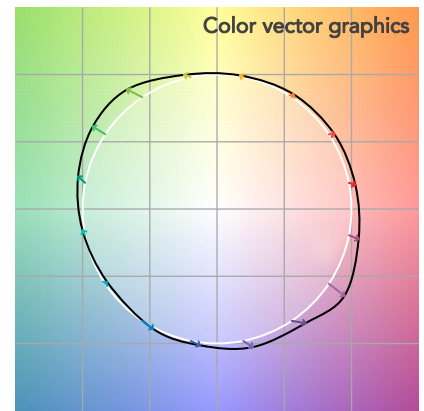
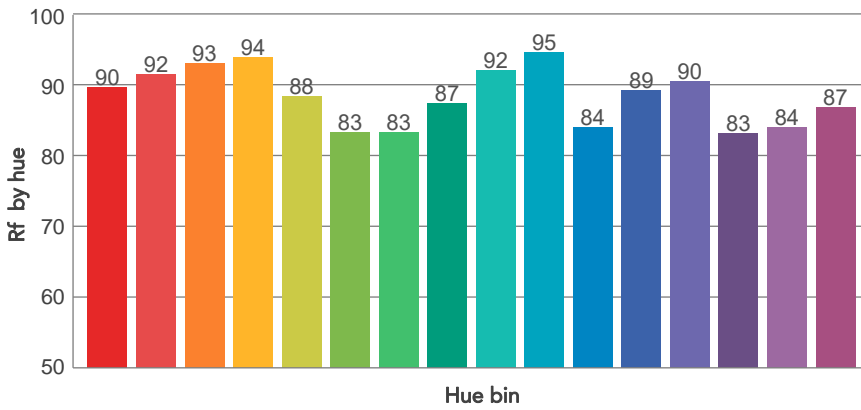
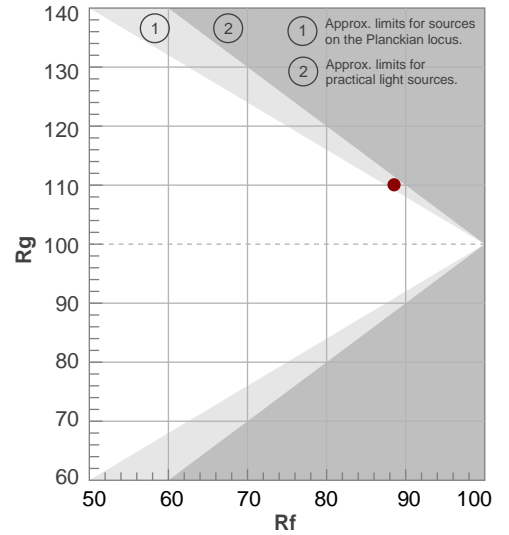
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5648 K	87,2	71,5	88,5	110,1	91,3	79	0,329	0,340	0,0023

# TM30 DETAILS

**Rf 88,5**  
Fidelity index Rf

**Rg 110,1**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	93	3%	0%
4	94	1%	3%
5	88	3%	5%
6	83	11%	6%
7	83	11%	0%
8	87	6%	-3%
9	92	1%	-4%
10	95	-2%	0%
11	84	0%	10%
12	89	2%	7%
13	90	6%	6%
14	83	7%	8%
15	84	15%	-1%
16	87	8%	-1%

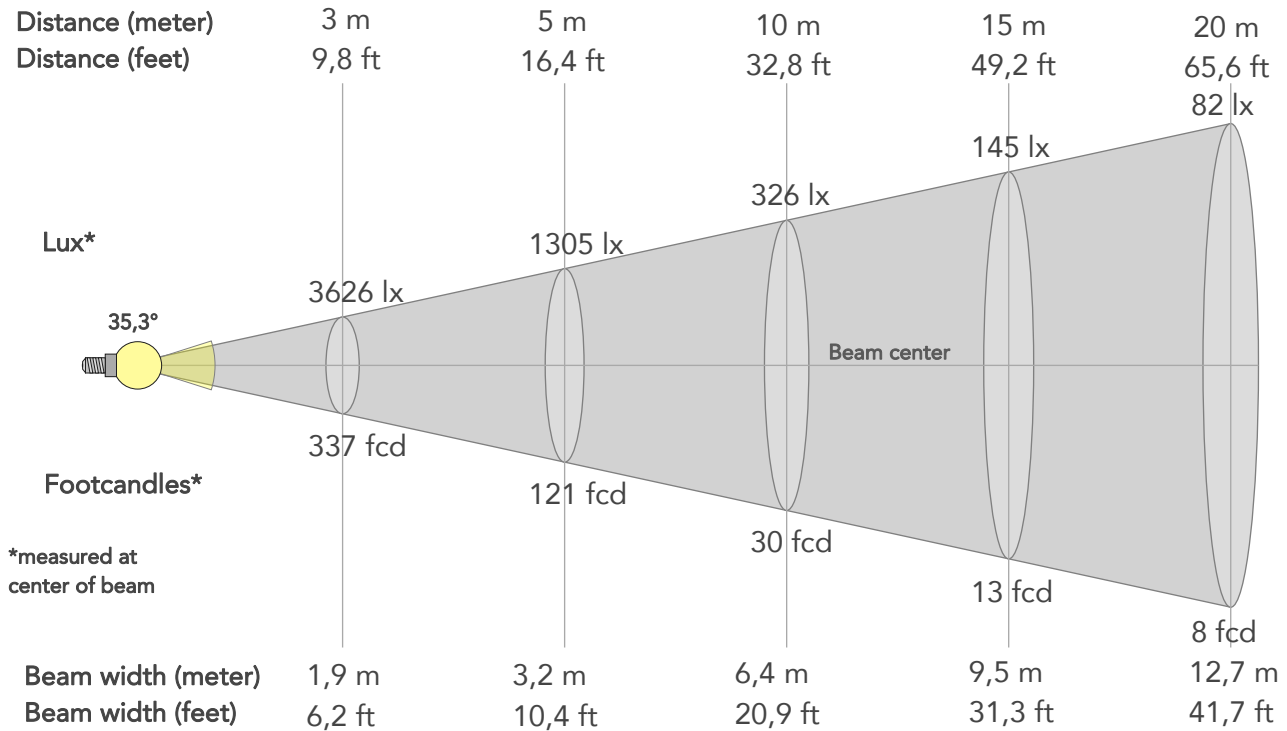


Color Evaluation Sample

# BEAM DETAILS



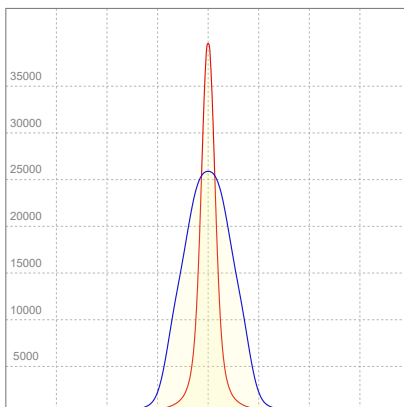
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,3°	60°	85,8°	97,1%	91,1%



## 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	32630lx	8157lx	3626lx	2039lx	1305lx	580lx	326lx	145lx	82lx	52lx	36lx	20lx	13lx
Footcand.	3031fcd	758fcd	337fcd	189fcd	121fcd	54fcd	30fcd	13fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,8m	6,4m	9,5m	12,7m	15,9m	19,1m	25,4m	31,8m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,7ft	20,9ft	31,3ft	41,7ft	52,2ft	62,6ft	83,5ft	104,3ft

## LINEAR DISTRIBUTION DIAGRAM

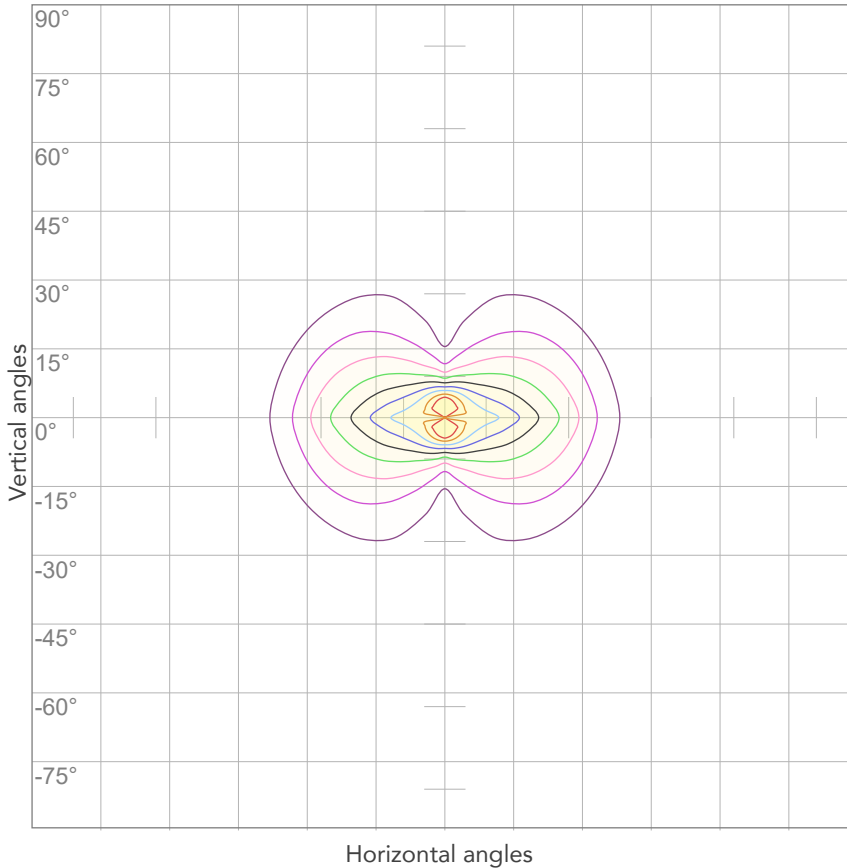


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,07A	208,2W	0,85	69lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



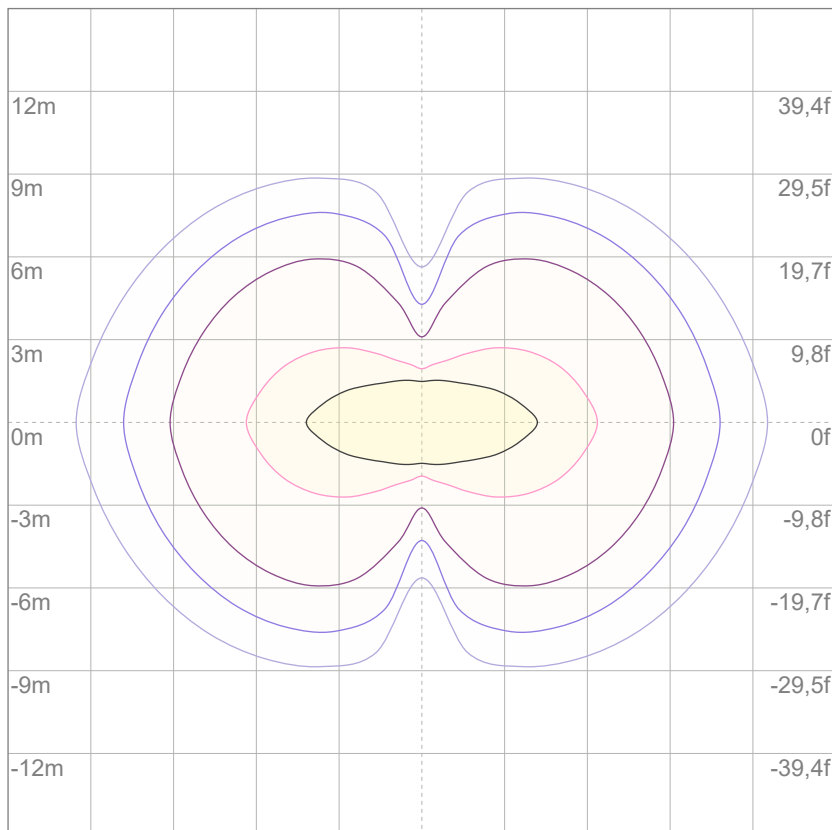
10%	3263 cd
20%	6526 cd
30%	9789 cd
40%	13052 cd
50%	16315 cd
60%	19578 cd
70%	22841 cd
80%	26104 cd

Conditions:

Number of c-planes: 4

Candela at center: 32630 cd

## ISO LUX DIAGRAM



3%	9,79 lx
5%	16,3 lx
10%	32,6 lx
30%	97,9 lx
50%	163 lx

Conditions:

Number of c-planes: 4

Lux at center: 326 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

13358 lm

Peak candela output:

20124 cd

Light quality:

CRI: 87,0

Color temperature:

5620 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

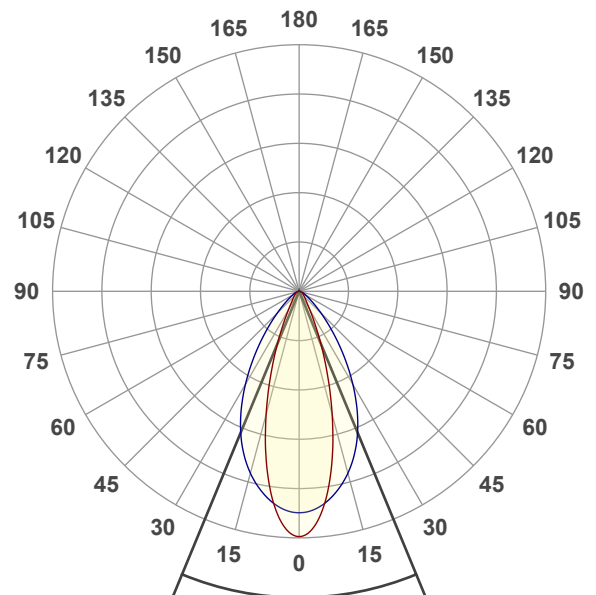
5600K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 14:00:34

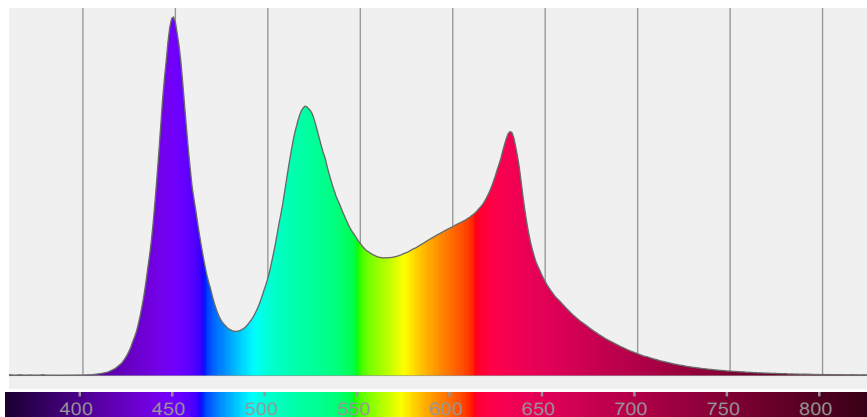


Beam angle 50%: 44,9°

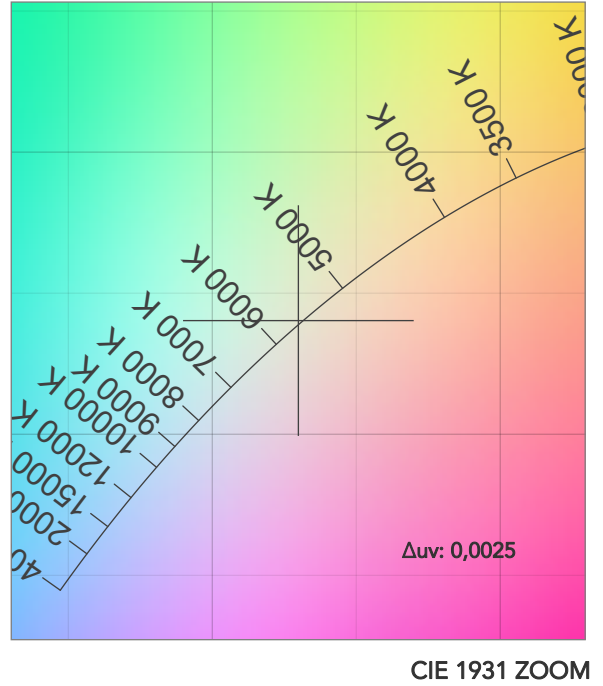
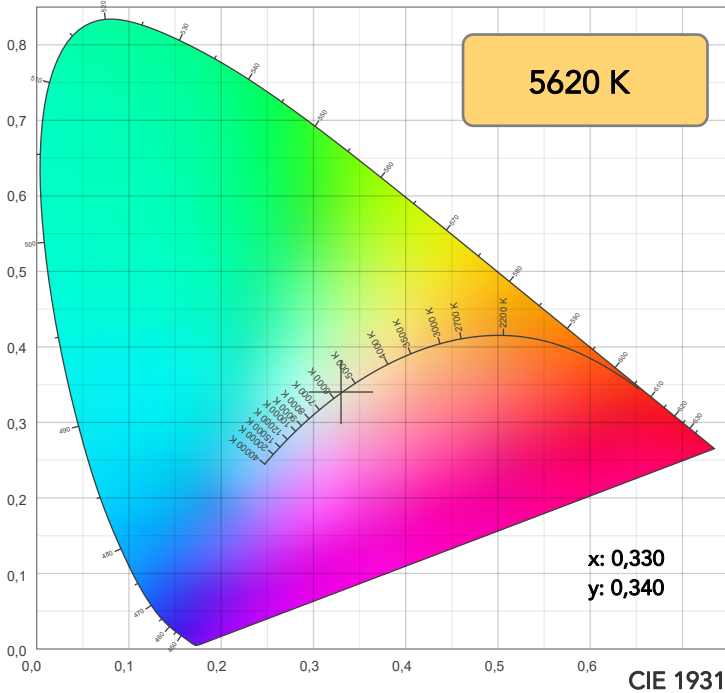
Field angle 10%: 77,3°

Cut off angle 2.5%: 112,8°

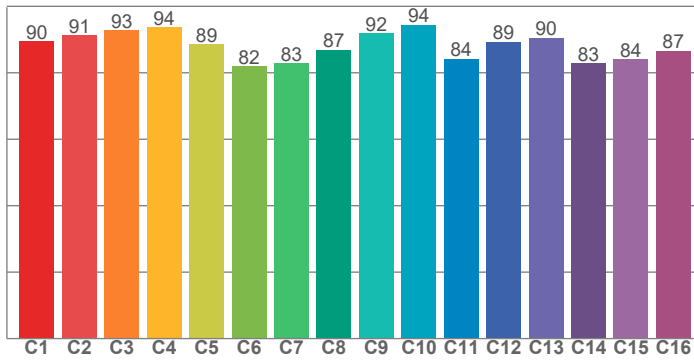
Spectra



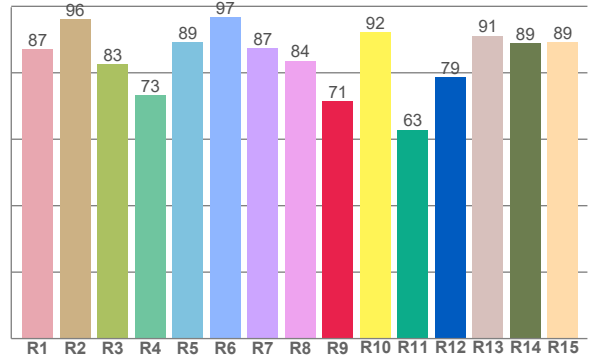
# COLOR DETAILS



**TM30: 88,4**



**CRI: 87,0 (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
87,1	96,2	82,5	73,3	89,2	96,8	87,4	83,6	71,4	92,1	62,9	78,6	91,2	88,9	89,3

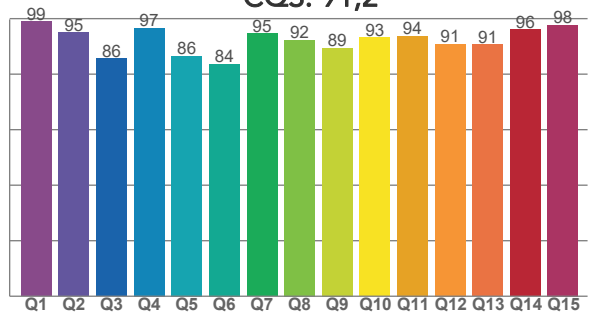
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,5	91,3	92,8	93,8	88,6	82,0	82,8	86,9	91,9	94,5	84,3	89,3	90,5	82,9	84,0	86,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,0	94,9	85,6	96,7	86,5	83,6	94,6	92,4	89,5	93,2	93,8	90,8	90,8	96,1	97,6

**CQS: 91,2**



## 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
5620 K	87,0	71,4	88,4	110,3	91,2	77	0,330	0,340	0,0025

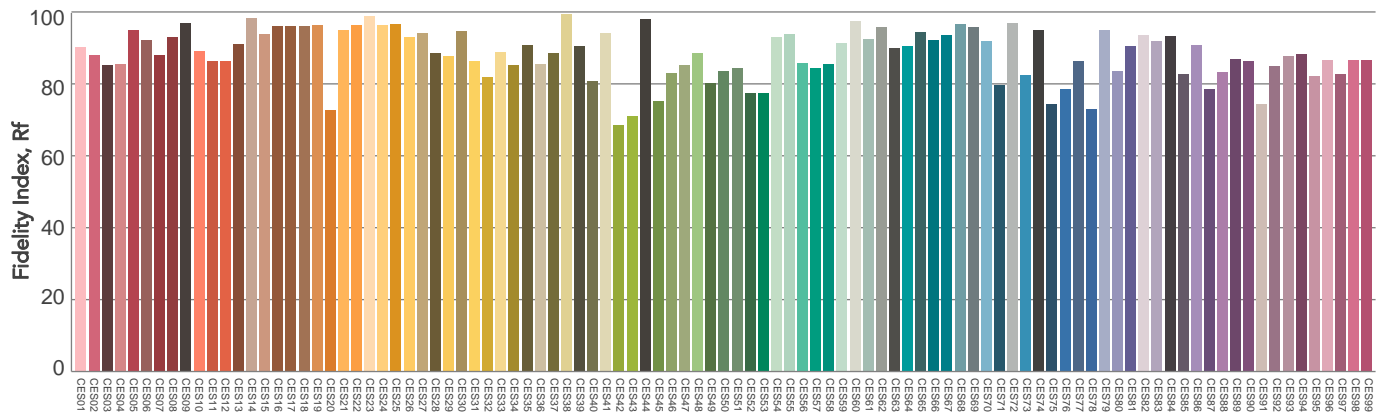
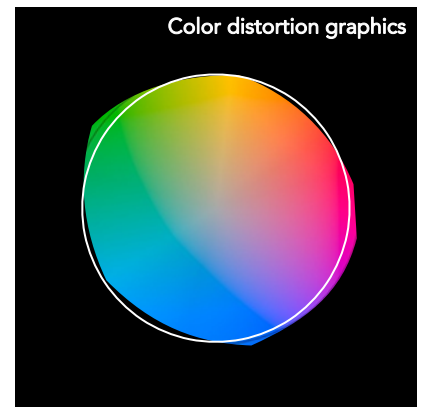
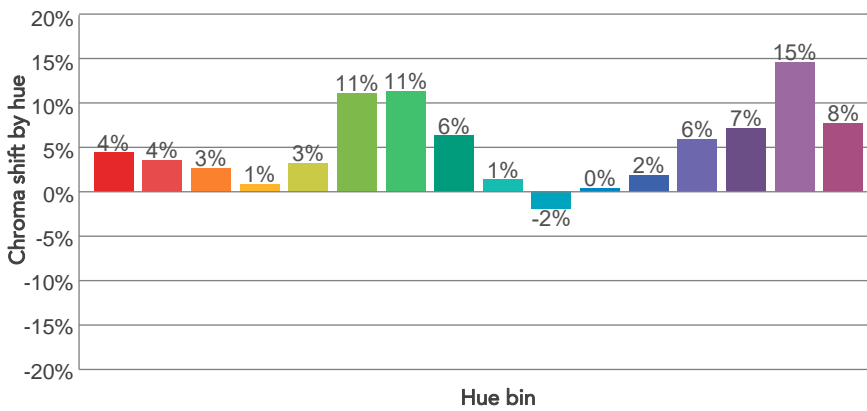
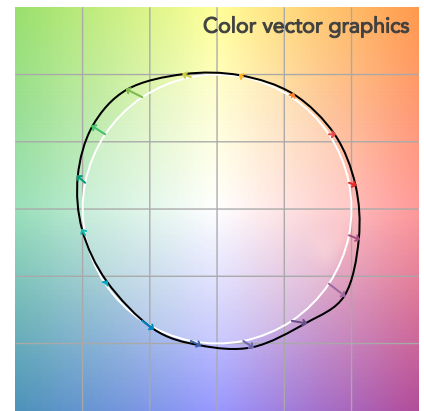
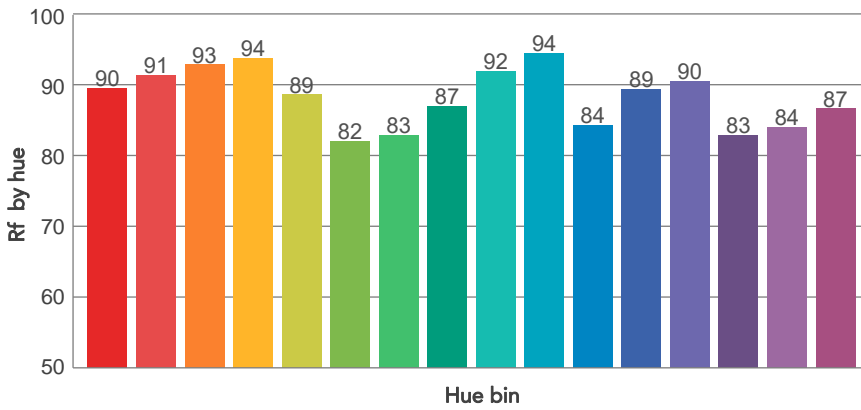
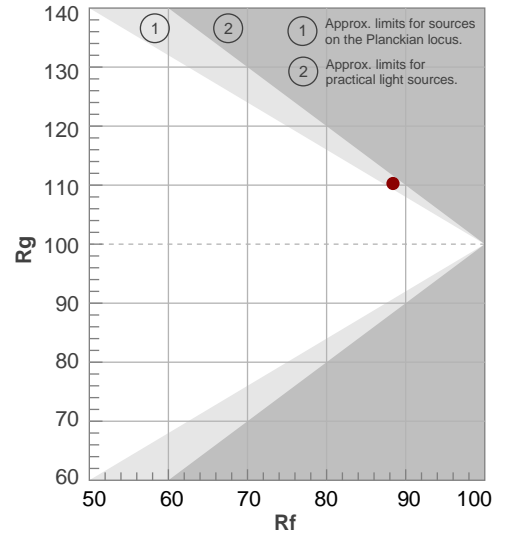


# TM30 DETAILS

**Rf 88,4**  
Fidelity index Rf

**Rg 110,3**  
Gammut index

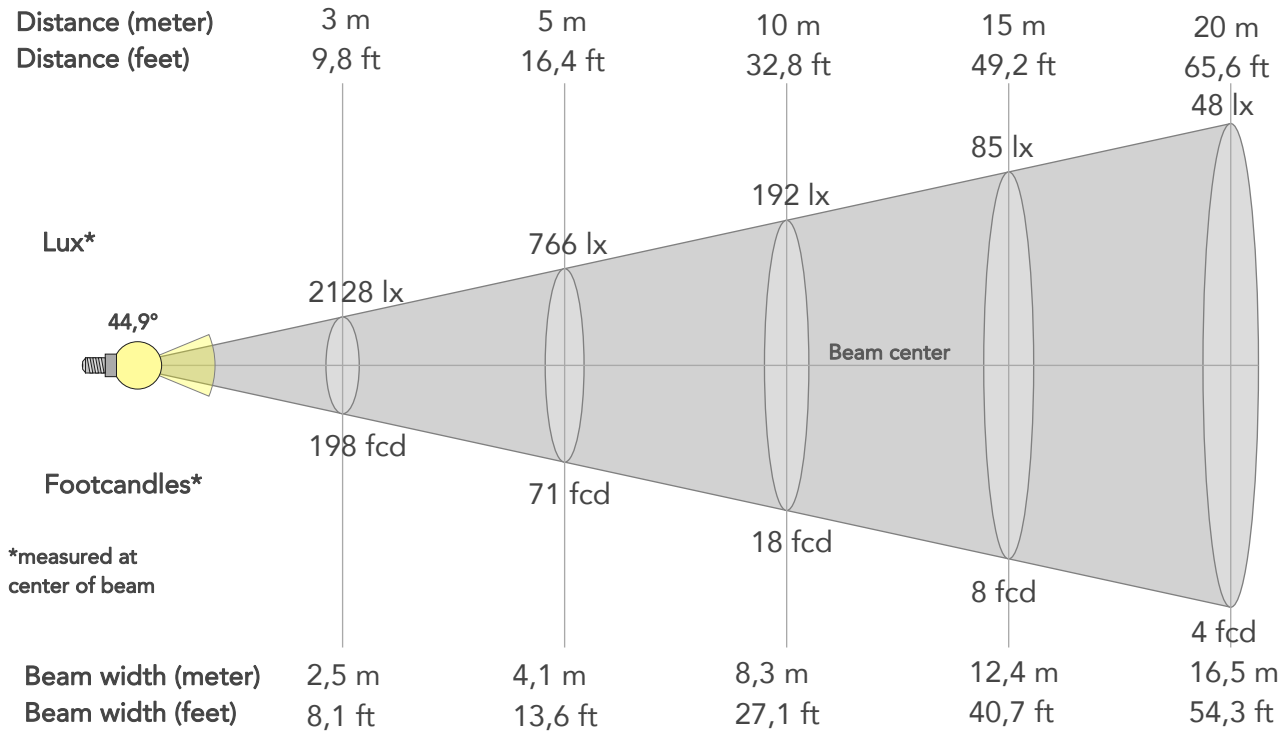
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-3%
2	91	4%	-2%
3	93	3%	0%
4	94	1%	3%
5	89	3%	5%
6	82	11%	6%
7	83	11%	0%
8	87	6%	-4%
9	92	1%	-4%
10	94	-2%	-1%
11	84	0%	10%
12	89	2%	7%
13	90	6%	6%
14	83	7%	8%
15	84	15%	-1%
16	87	8%	-1%



# BEAM DETAILS



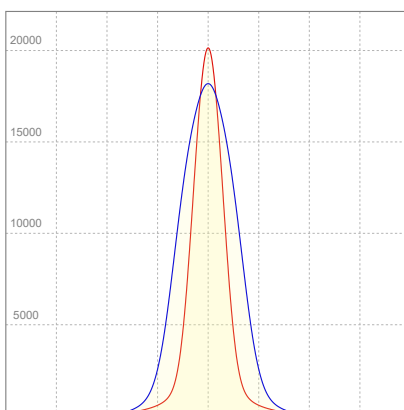
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,9°	77,3°	112,8°	95,9%	87,4%



## 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	19153lx	4788lx	2128lx	1197lx	766lx	340lx	192lx	85lx	48lx	31lx	21lx	12lx	8lx
Footcand.	1779fcd	445fcd	198fcd	111fcd	71fcd	32fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,5m	20,7m	24,8m	33,1m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,8ft	13,6ft	20,4ft	27,1ft	40,7ft	54,3ft	67,8ft	81,4ft	108,5ft	135,7ft

## LINEAR DISTRIBUTION DIAGRAM

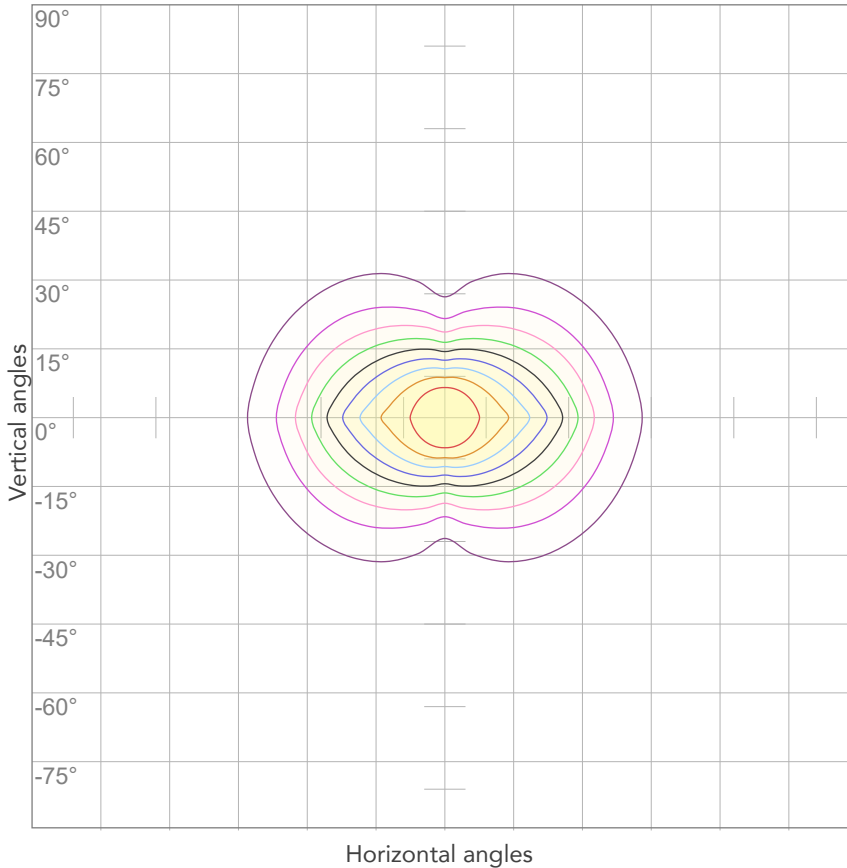


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,15A	219,7W	0,84	61lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



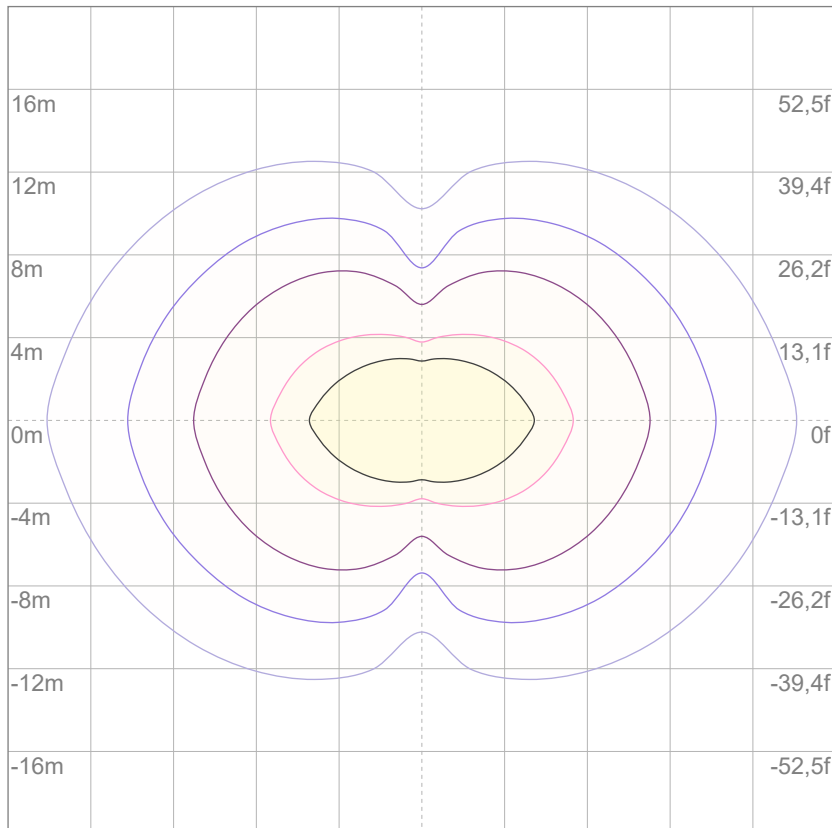
10%	1915 cd
20%	3831 cd
30%	5746 cd
40%	7661 cd
50%	9576 cd
60%	11492 cd
70%	13407 cd
80%	15322 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 19153 cd

## ISO LUX DIAGRAM



3%	5,75 lx
5%	9,58 lx
10%	19,2 lx
30%	57,5 lx
50%	95,8 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 192 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

13166 lm

Peak candela output:

262931 cd

Light quality:

CRI: 87,4

Color temperature:

6056 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

Native Optic - 10°

Target:

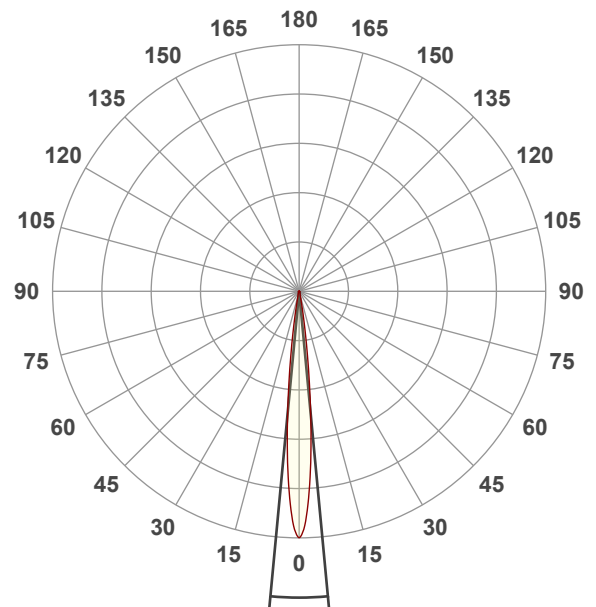
6000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 12:26:45

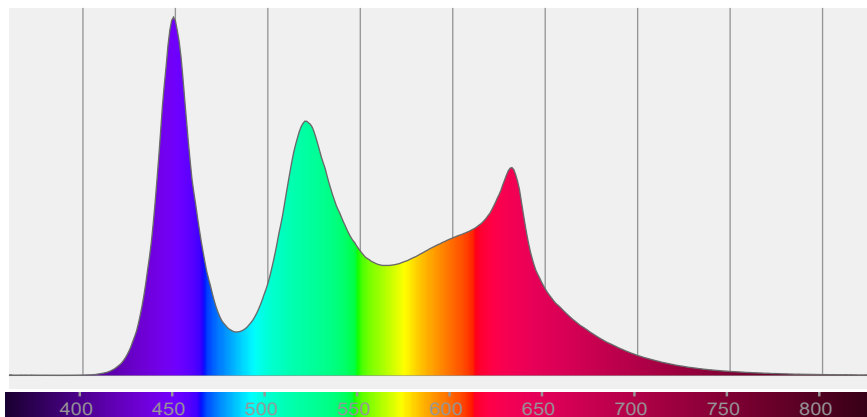


Beam angle 50%: 10,8°

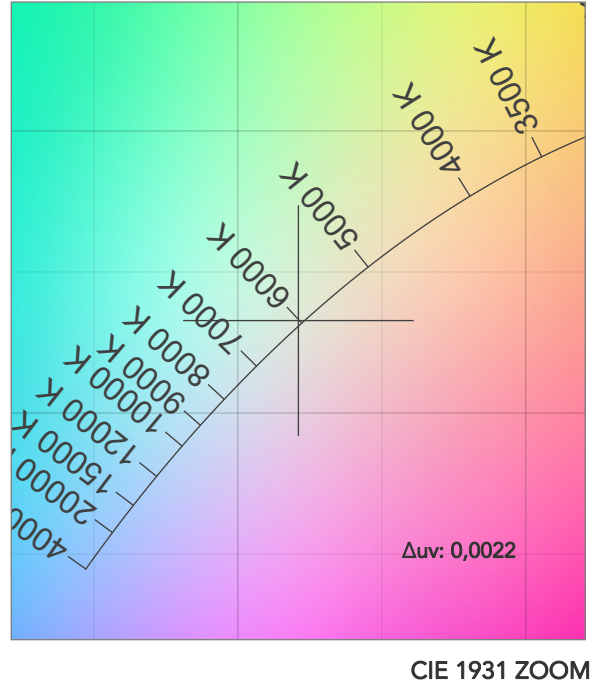
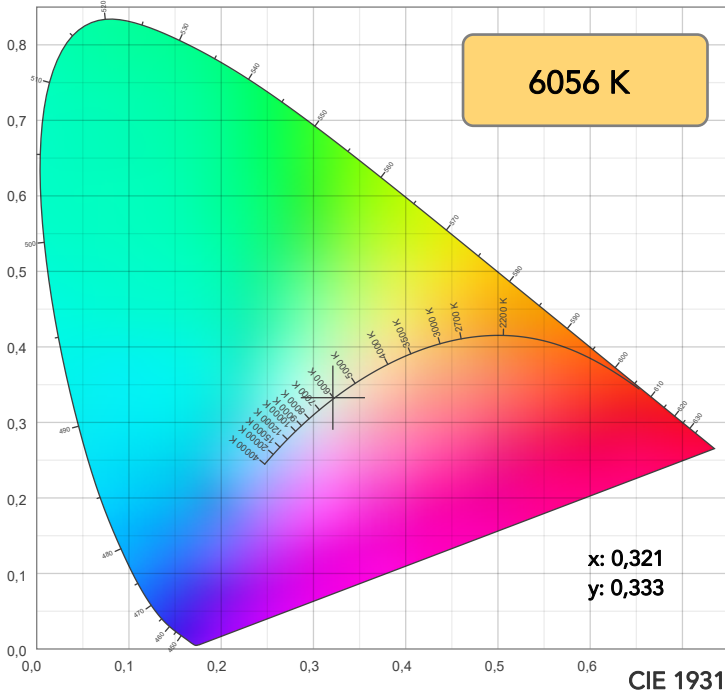
Field angle 10%: 19,4°

Cut off angle 2.5%: 26,3°

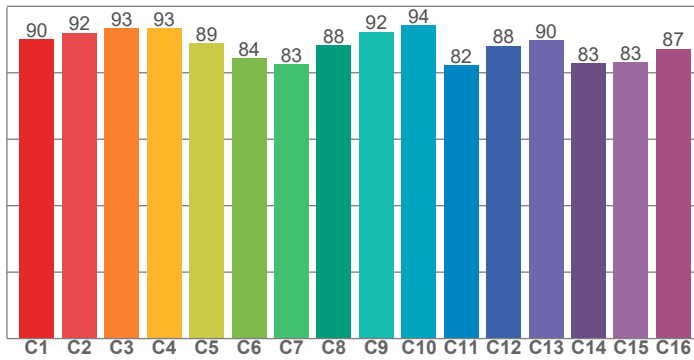
Spectra



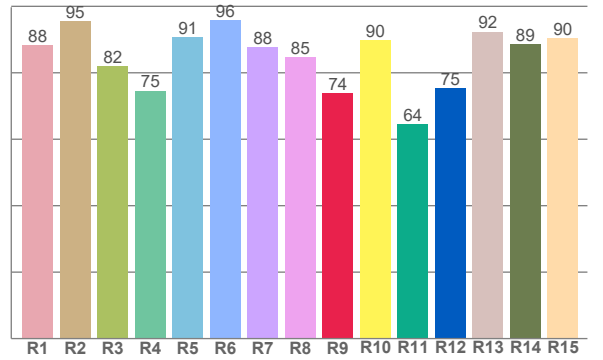
# COLOR DETAILS



**TM30: 88,4**



**CRI: 87,4 (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
88,4	95,4	81,9	74,6	90,8	95,8	87,7	84,8	73,8	89,9	64,4	75,3	92,4	88,7	90,4

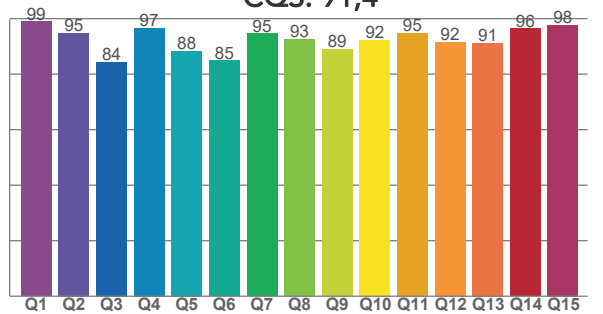
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,1	92,0	93,4	93,4	88,9	84,3	82,5	88,3	92,4	94,3	82,3	88,2	89,8	82,9	83,1	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	94,8	84,3	96,6	88,3	84,9	94,7	92,6	89,0	92,3	94,8	91,7	91,2	96,5	97,8

**CQS: 91,4**



## COLOR PARAMETERS

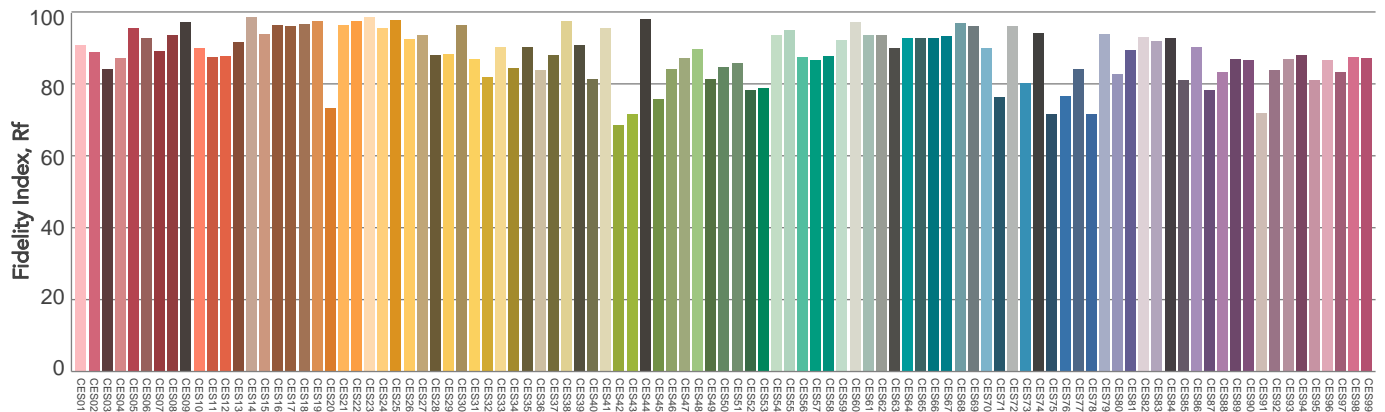
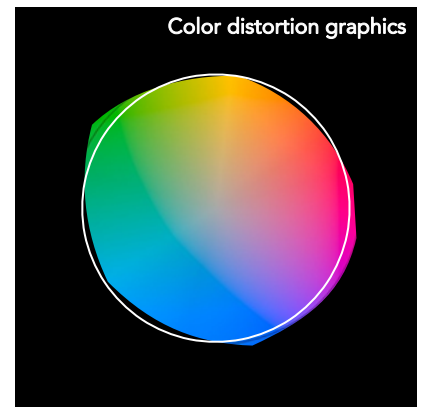
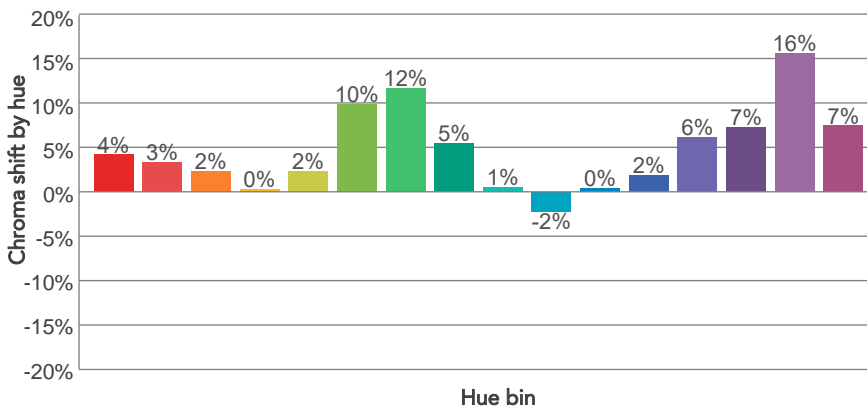
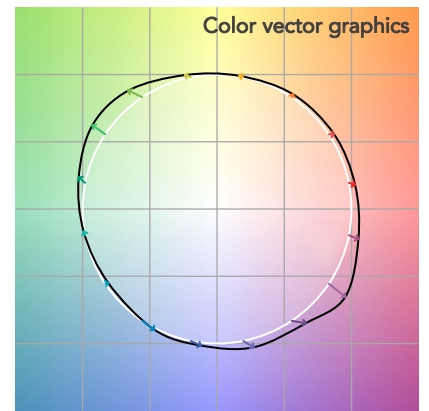
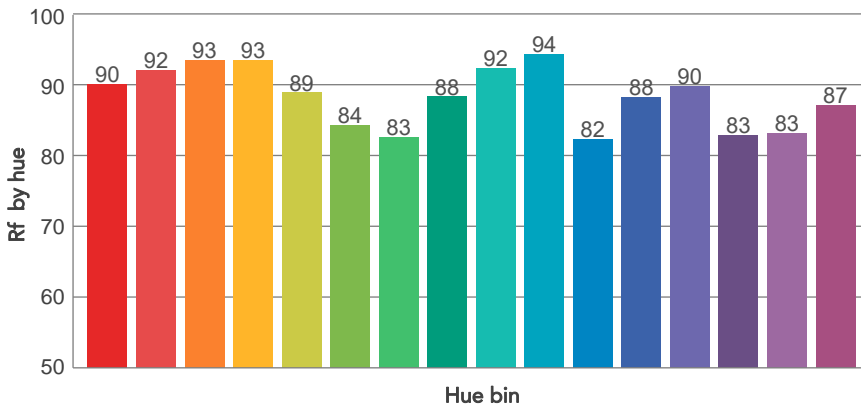
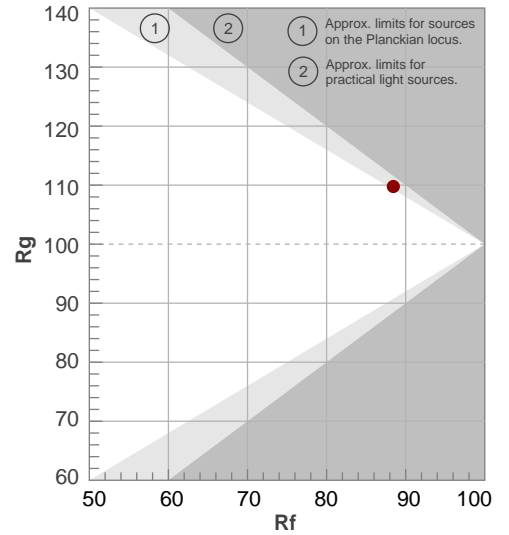
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6056 K	87,4	73,8	88,4	109,8	91,4	80	0,321	0,333	0,0022

# TM30 DETAILS

**Rf 88,4**  
Fidelity index Rf

**Rg 109,8**  
Gammut index

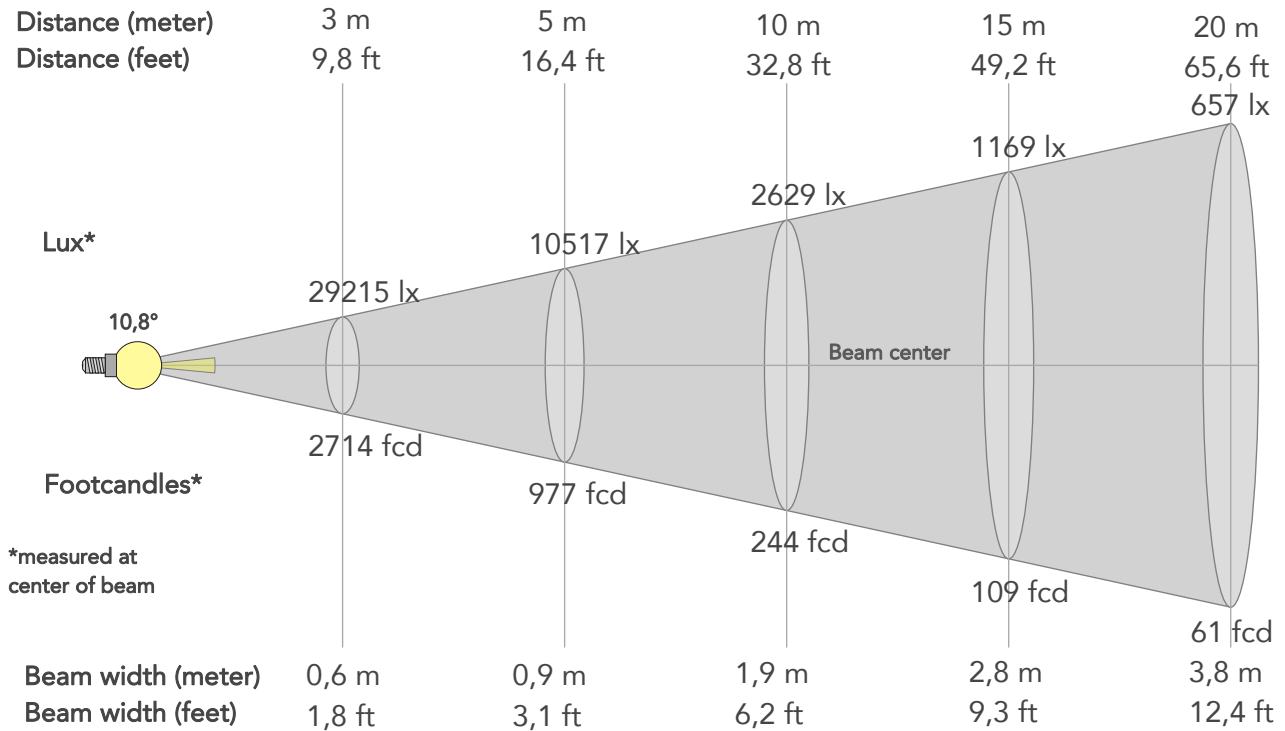
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	93	2%	1%
4	93	0%	3%
5	89	2%	4%
6	84	10%	6%
7	83	12%	0%
8	88	5%	-3%
9	92	1%	-3%
10	94	-2%	1%
11	82	0%	11%
12	88	2%	8%
13	90	6%	7%
14	83	7%	8%
15	83	16%	-1%
16	87	7%	-1%



# BEAM DETAILS



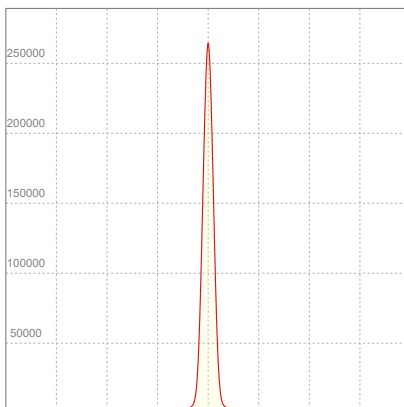
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,8°	19,4°	26,3°	98,8%	96,0%



## 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	262931lx	65733lx	29215lx	16433lx	10517lx	4674lx	2629lx	1169lx	657lx	421lx	292lx	164lx	105lx
Footcand.	24427fcd	6107fcd	2714fcd	1527fcd	977fcd	434fcd	244fcd	109fcd	61fcd	39fcd	27fcd	15fcd	10fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,7m	7,5m	9,4m
Beam wid.	0,6ft	1,2ft	1,8ft	2,5ft	3,1ft	4,6ft	6,2ft	9,3ft	12,4ft	15,5ft	18,5ft	24,7ft	30,9ft

## LINEAR DISTRIBUTION DIAGRAM

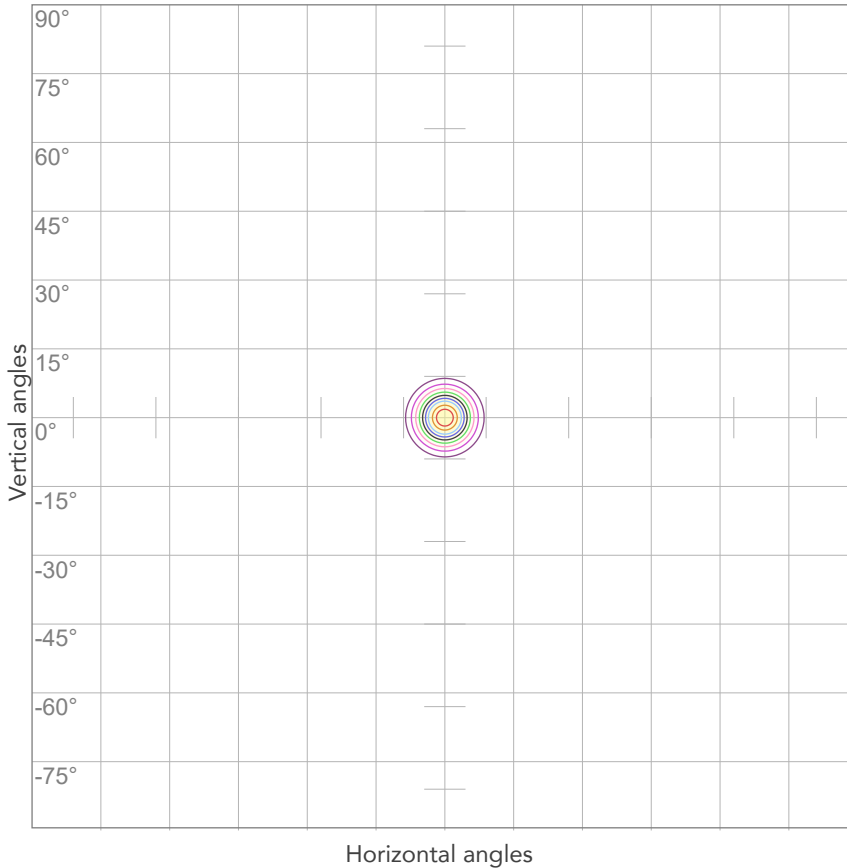


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,12A	214,3W	0,84	61lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



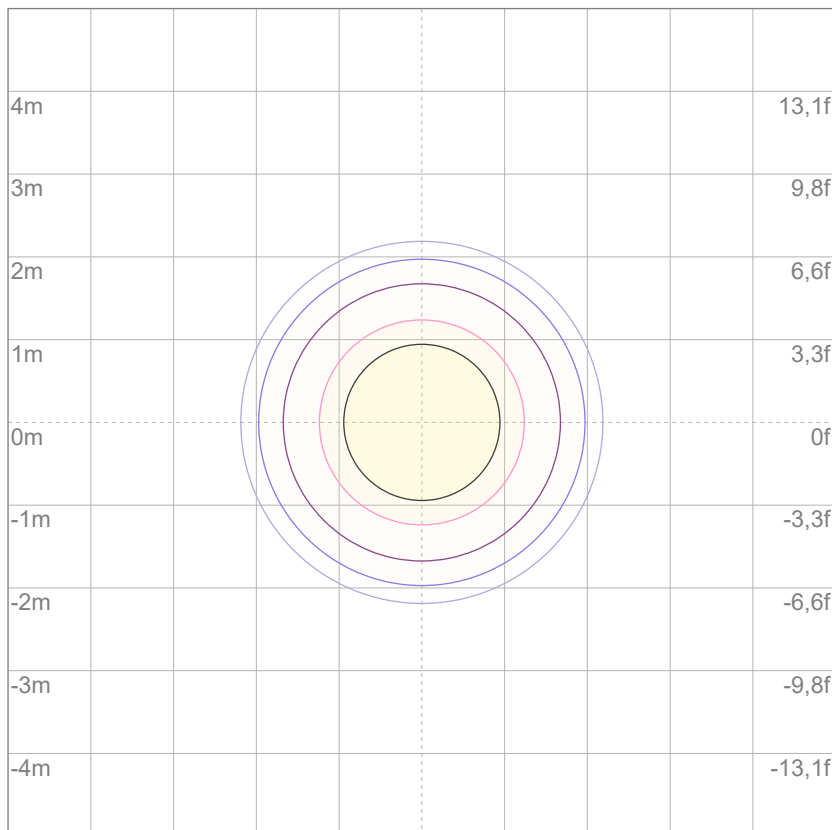
10%	26293 cd
20%	52586 cd
30%	78879 cd
40%	105172 cd
50%	131466 cd
60%	157759 cd
70%	184052 cd
80%	210345 cd

Conditions:

Number of c-planes: 2

Candela at center: 262931 cd

## ISO LUX DIAGRAM



3%	78,9 lx
5%	131 lx
10%	263 lx
30%	789 lx
50%	1315 lx

Conditions:

Number of c-planes: 2

Lux at center: 2629 lx

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

Mounting height: 10 meters (33 feet)





Total lumen output:

12701 lm

Peak candela output:

51183 cd

Light quality:

CRI: 87,7

Color temperature:

6008 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20°Filter

Target:

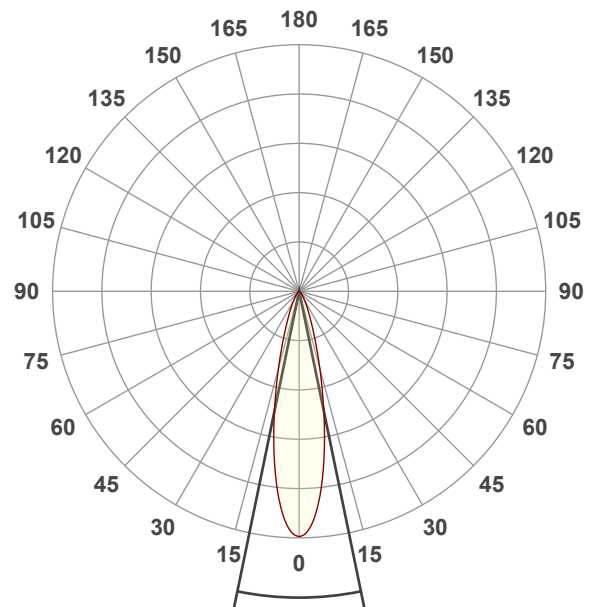
6000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 16:13:44

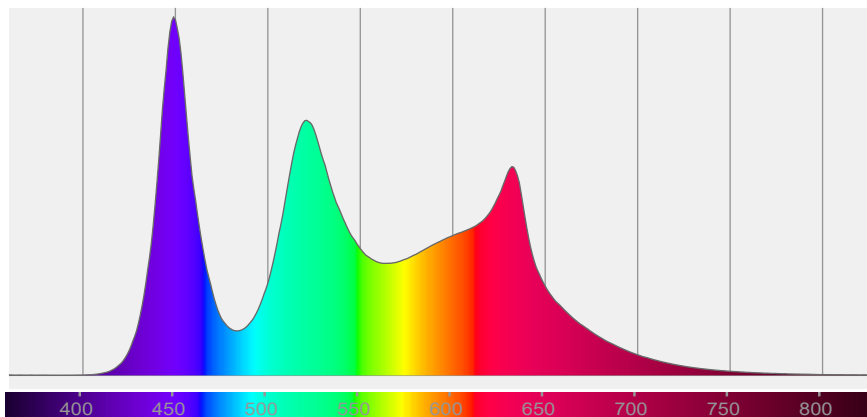


Beam angle 50%: 23,3°

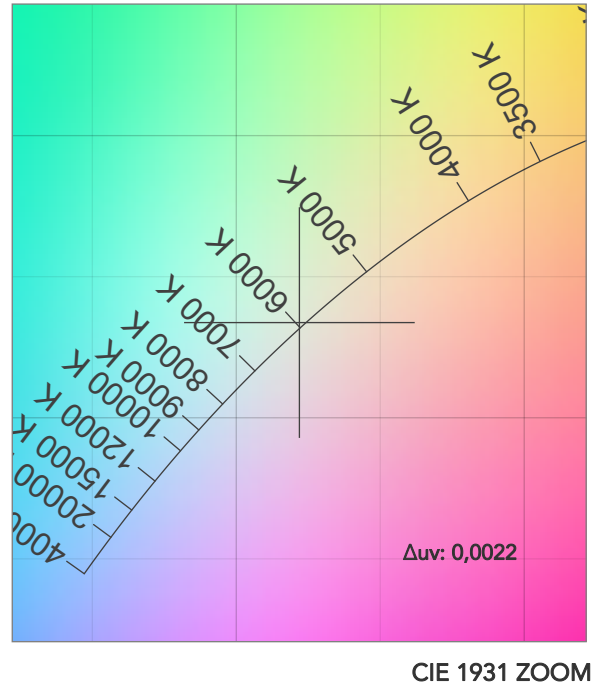
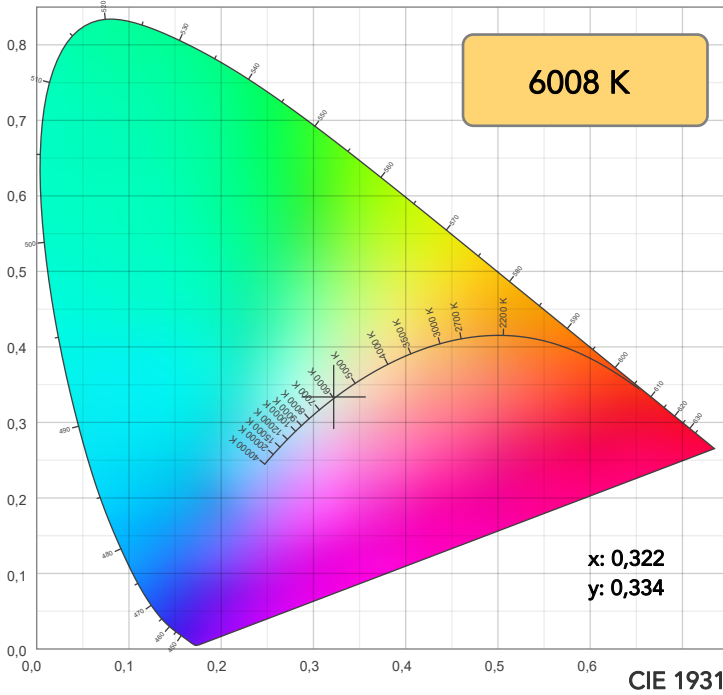
Field angle 10%: 47,4°

Cut off angle 2.5%: 73°

Spectra

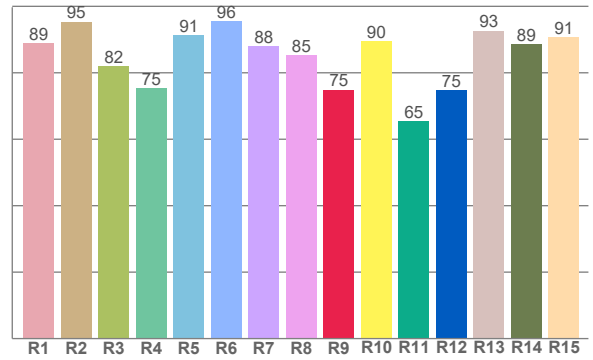
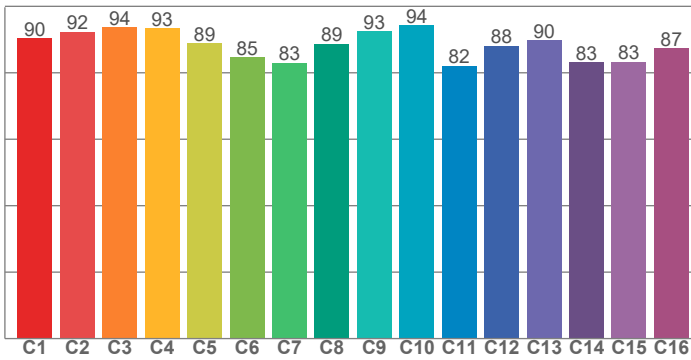


# COLOR DETAILS



TM30: 88,6

CRI: 87,7 (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
88,8	95,4	82,0	75,3	91,2	95,6	87,9	85,2	74,9	89,6	65,3	74,8	92,7	88,7	90,8

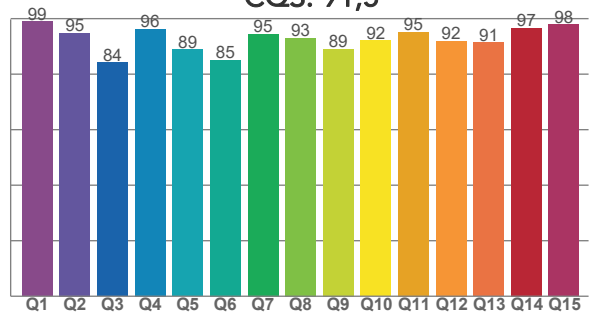
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,4	92,3	93,7	93,4	88,9	84,6	83,0	88,7	92,5	94,3	82,1	88,2	89,8	83,2	83,2	87,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	94,8	84,1	96,3	88,8	85,1	94,5	93,0	89,0	92,2	95,2	92,0	91,5	96,6	97,9

CQS: 91,5



## COLOR PARAMETERS

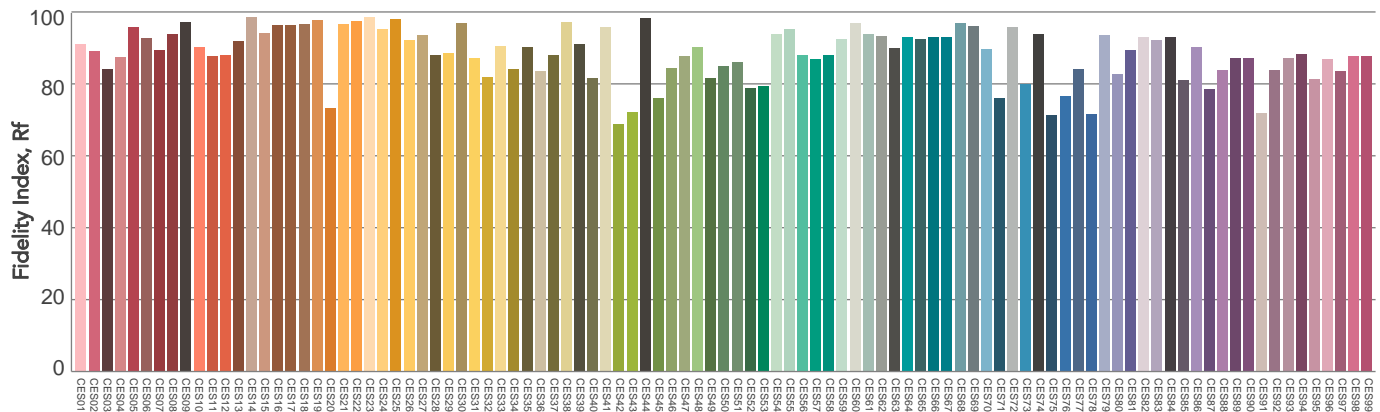
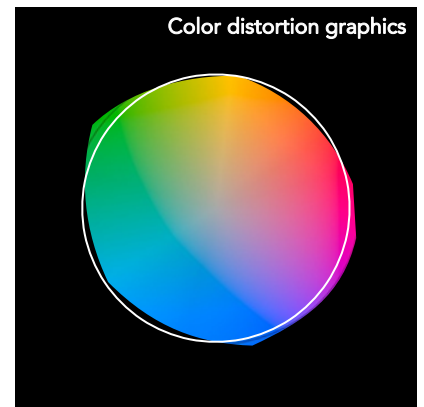
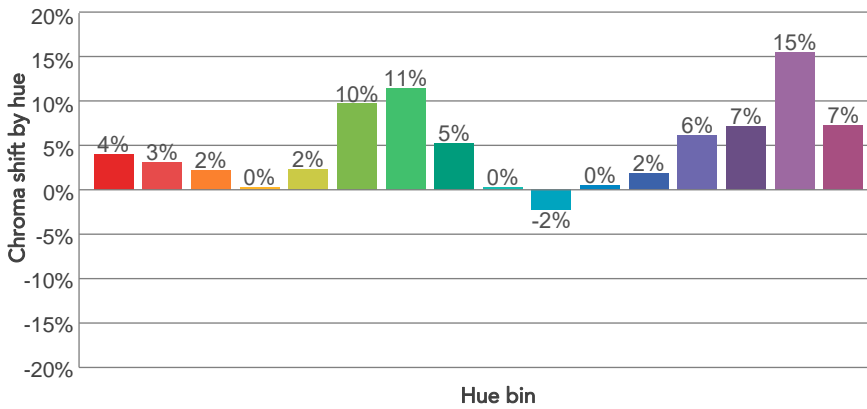
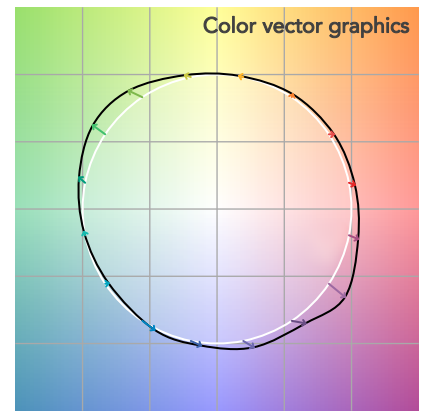
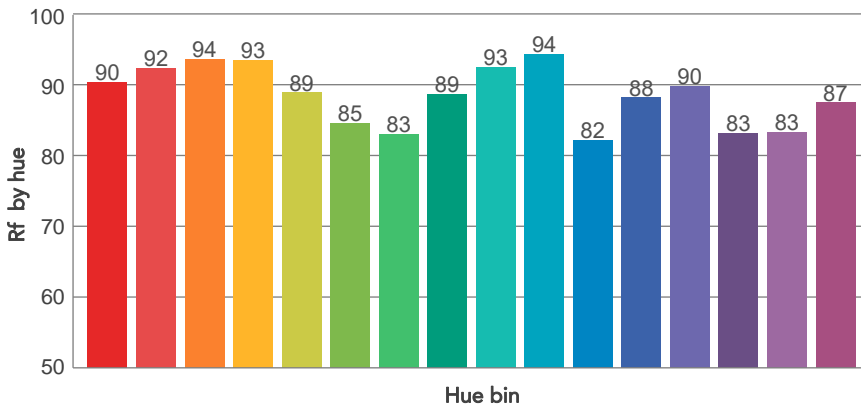
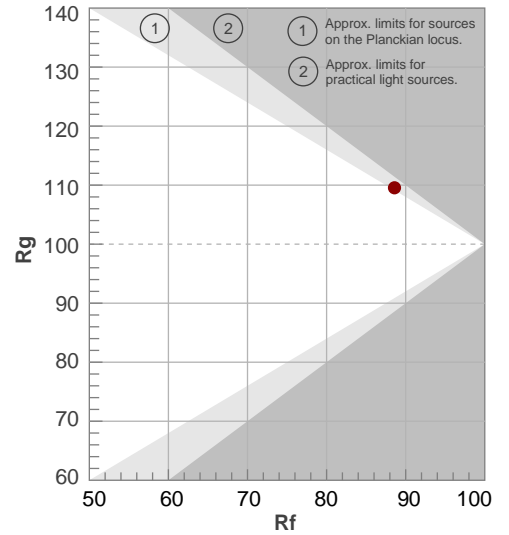
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6008 K	87,7	74,9	88,6	109,5	91,5	81	0,322	0,334	0,0022

# TM30 DETAILS

**Rf 88,6**  
Fidelity index Rf

**Rg 109,5**  
Gammut index

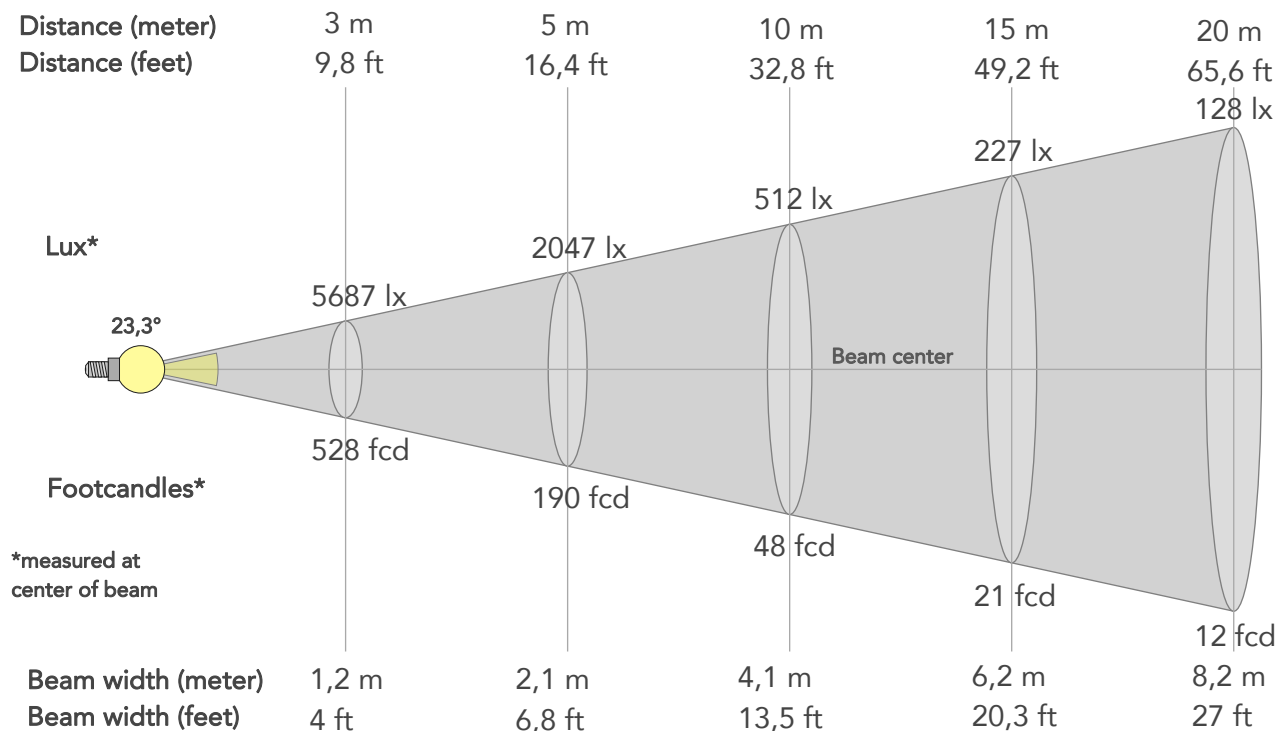
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	94	2%	1%
4	93	0%	3%
5	89	2%	4%
6	85	10%	6%
7	83	11%	0%
8	89	5%	-3%
9	93	0%	-3%
10	94	-2%	1%
11	82	0%	11%
12	88	2%	8%
13	90	6%	7%
14	83	7%	7%
15	83	15%	-2%
16	87	7%	-1%



# BEAM DETAILS



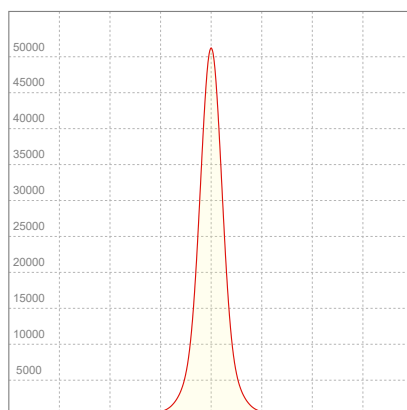
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,3°	47,4°	73°	97,3%	93,0%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	51183lx	12796lx	5687lx	3199lx	2047lx	910lx	512lx	227lx	128lx	82lx	57lx	32lx	20lx
Footcand.	4755fcd	1189fcd	528fcd	297fcd	190fcd	85fcd	48fcd	21fcd	12fcd	8fcd	5fcd	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	67,5ft

## LINEAR DISTRIBUTION DIAGRAM

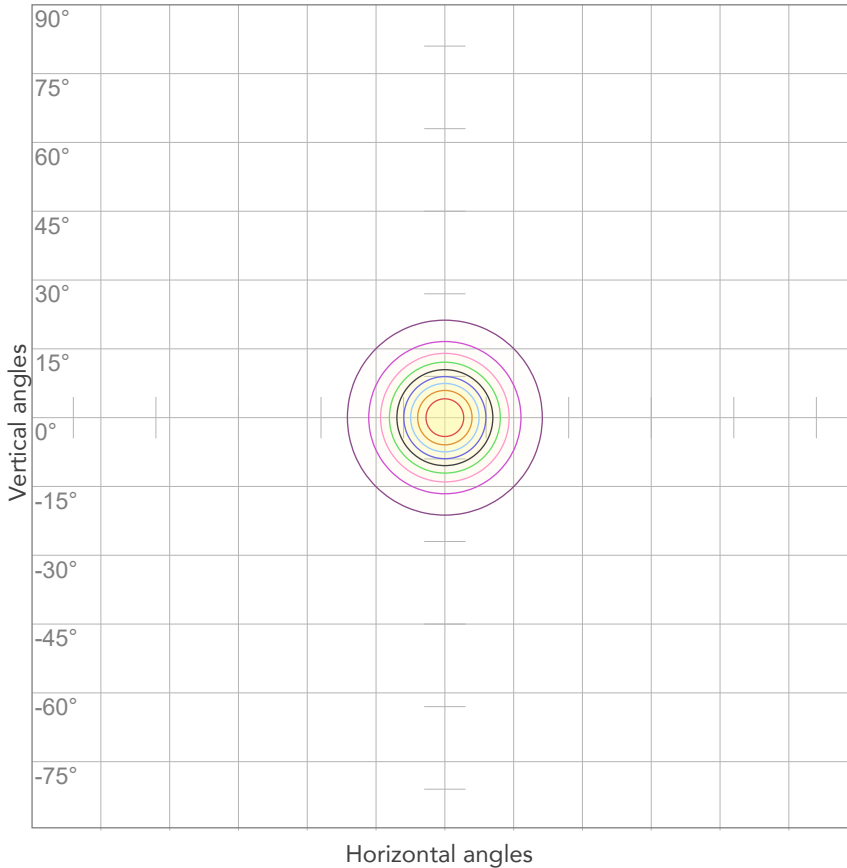


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	1,17A	220,5W	0,83	58lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



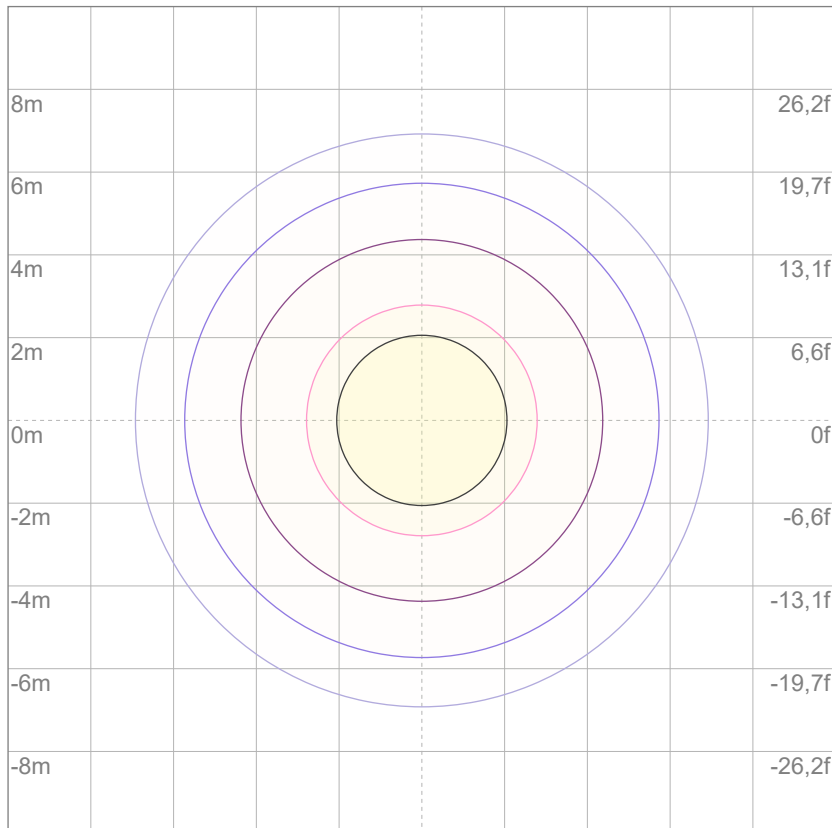
10%	5118 cd
20%	10237 cd
30%	15355 cd
40%	20473 cd
50%	25592 cd
60%	30710 cd
70%	35828 cd
80%	40947 cd

Conditions:

Number of c-planes: 2

Candela at center: 51183 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	15,4 lx
5%	25,6 lx
10%	51,2 lx
30%	154 lx
50%	256 lx

Conditions:

Number of c-planes: 2

Lux at center: 512 lx

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



Total lumen output:

12356 lm

Peak candela output:

15973 cd

Light quality:

CRI: 87,4

Color temperature:

6042 K

PRODUCT NAME:

ARCSPOTXLFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40°Filter

Target:

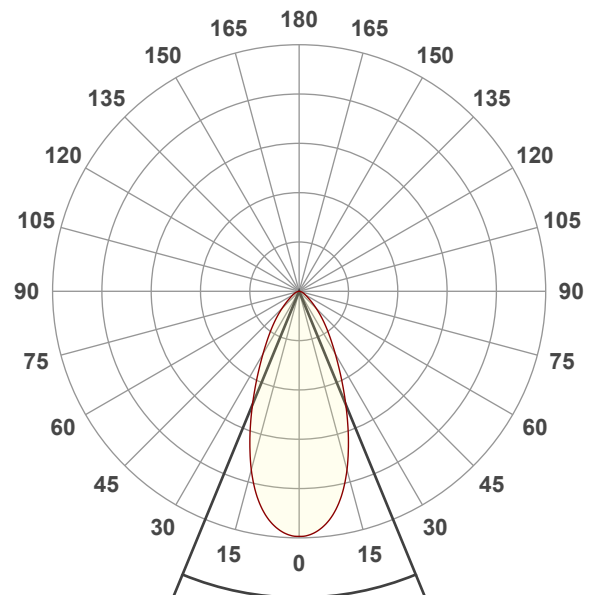
6000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 16:32:01

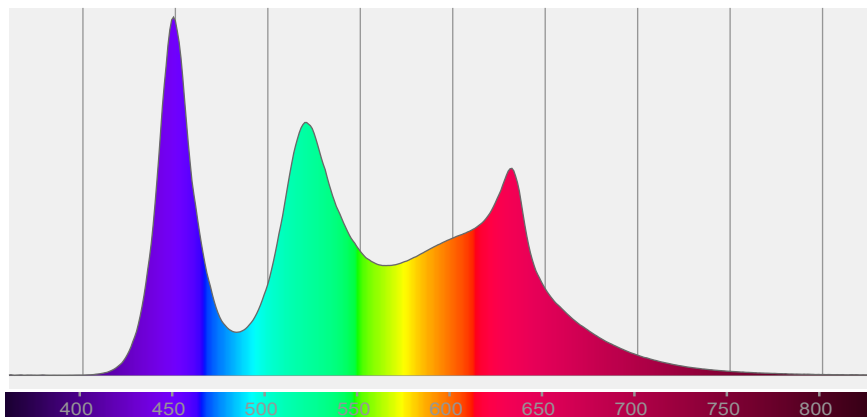


Beam angle 50%: 44,8°

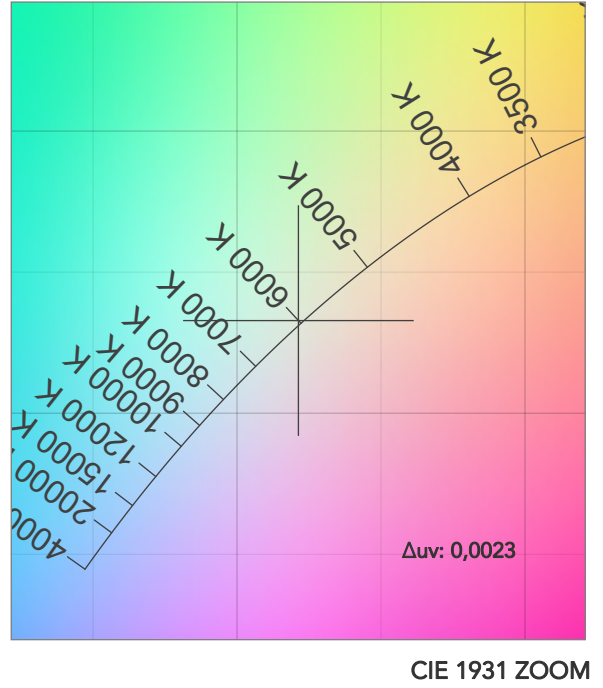
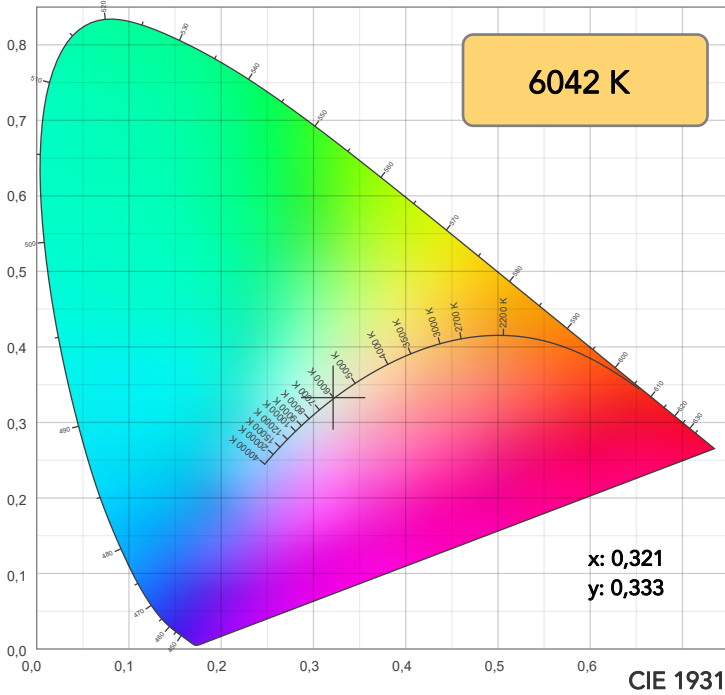
Field angle 10%: 89,7°

Cut off angle 2.5%: 125,4°

Spectra

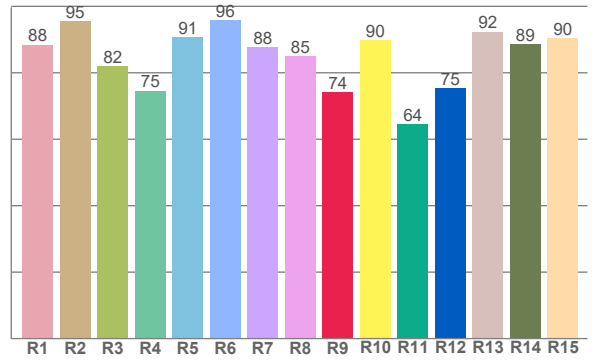
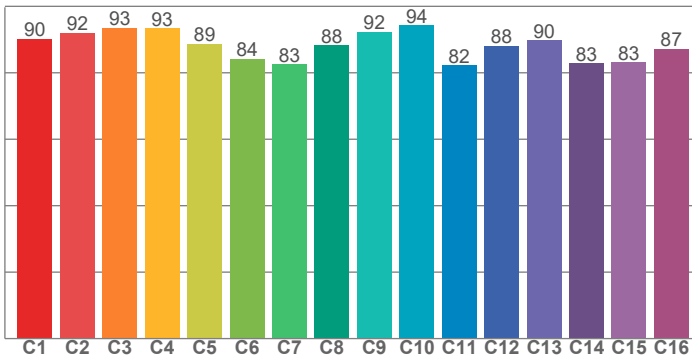


# COLOR DETAILS



TM30: 88,4

CRI: 87,4 (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
88,5	95,4	81,9	74,6	90,8	95,8	87,7	84,9	74,2	89,9	64,4	75,3	92,4	88,7	90,4

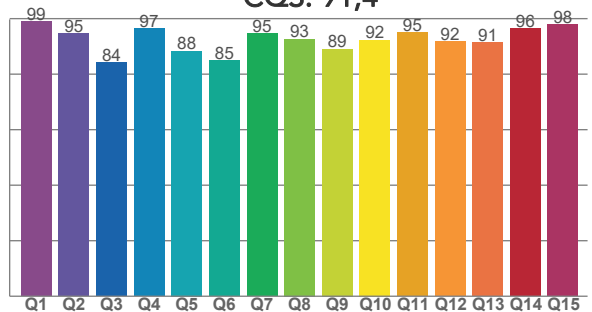
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	92,1	93,5	93,4	88,8	84,2	82,5	88,3	92,4	94,3	82,2	88,1	89,7	82,8	83,1	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,0	94,7	84,2	96,5	88,3	84,9	94,6	92,7	89,0	92,3	95,0	91,8	91,4	96,5	97,8

CQS: 91,4



## COLOR PARAMETERS

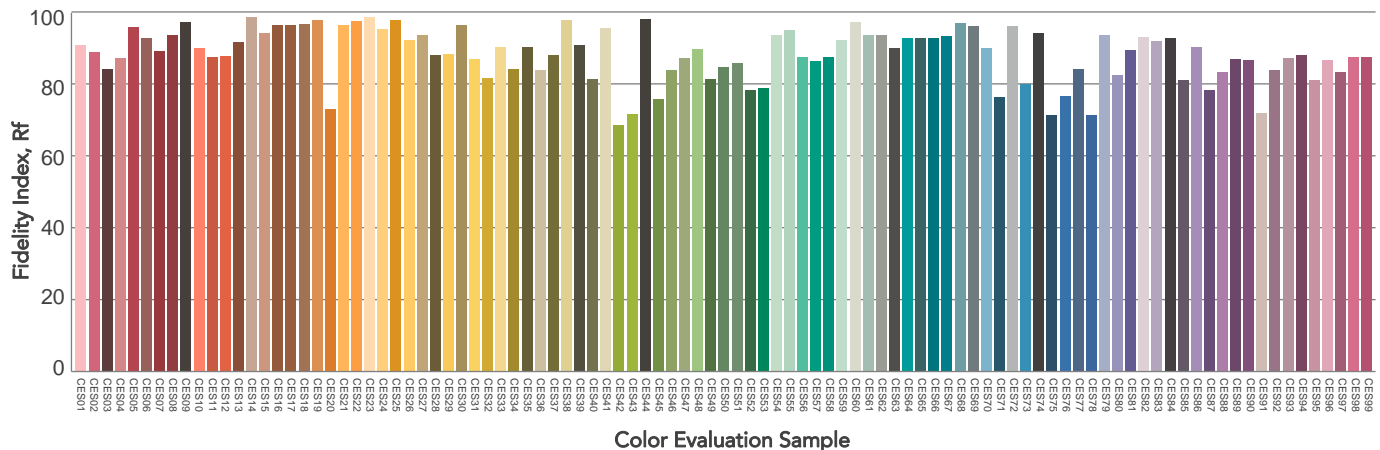
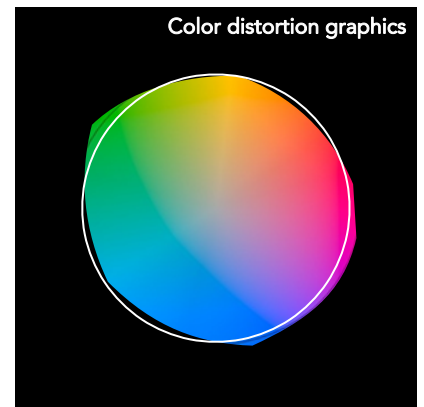
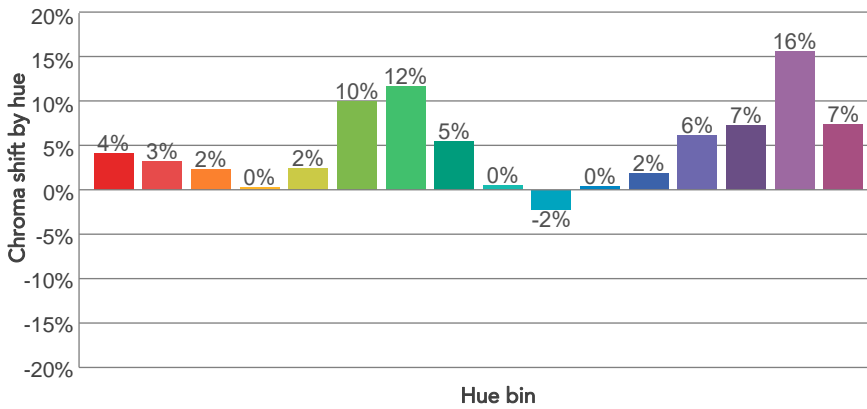
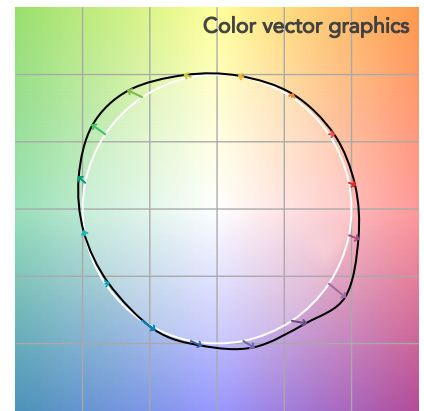
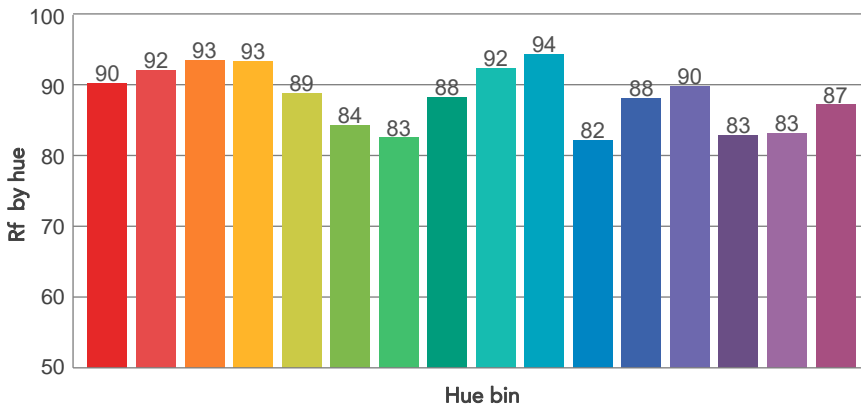
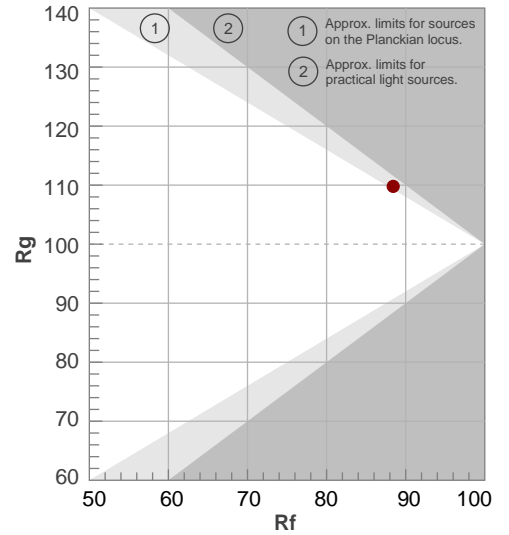
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6042 K	87,4	74,2	88,4	109,8	91,4	80	0,321	0,333	0,0023

# TM30 DETAILS

**Rf 88,4**  
Fidelity index Rf

**Rg 109,8**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	93	2%	1%
4	93	0%	3%
5	89	2%	4%
6	84	10%	6%
7	83	12%	0%
8	88	5%	-3%
9	92	0%	-3%
10	94	-2%	1%
11	82	0%	11%
12	88	2%	8%
13	90	6%	7%
14	83	7%	8%
15	83	16%	-1%
16	87	7%	-1%

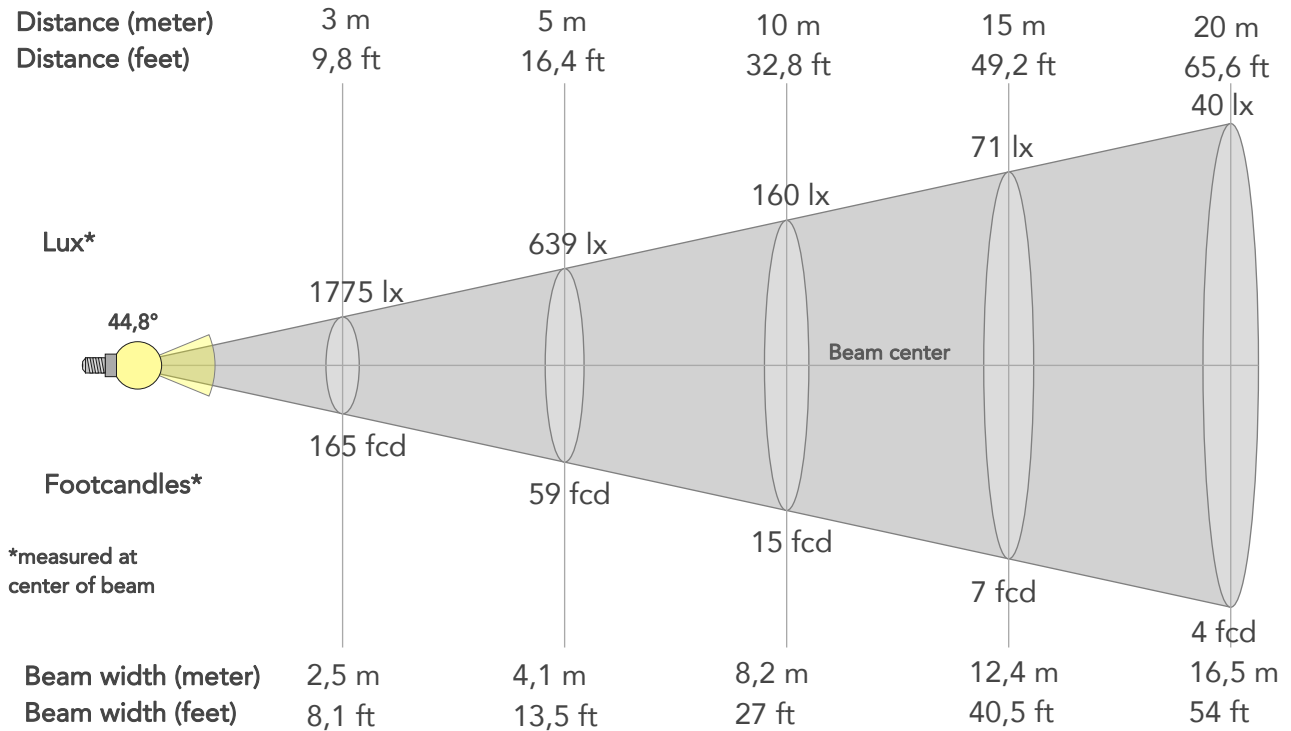




# BEAM DETAILS



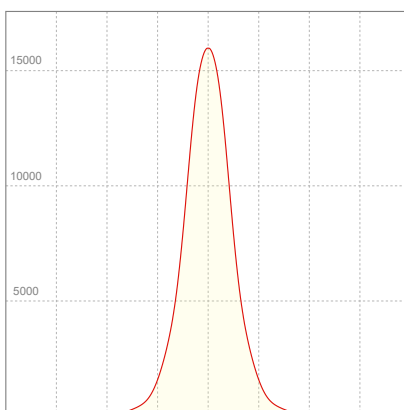
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,8°	89,7°	125,4°	95,5%	86,3%



## 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	15973lx	3993lx	1775lx	998lx	639lx	284lx	160lx	71lx	40lx	26lx	18lx	10lx	6lx
Footcand.	1484fcd	371fcd	165fcd	93fcd	59fcd	26fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,5m	3,3m	4,1m	6,2m	8,2m	12,4m	16,5m	20,6m	24,7m	32,9m	41,2m
Beam wid.	2,7ft	5,4ft	8,1ft	10,8ft	13,5ft	20,3ft	27ft	40,5ft	54ft	67,5ft	81ft	108ft	135,1ft

## LINEAR DISTRIBUTION DIAGRAM

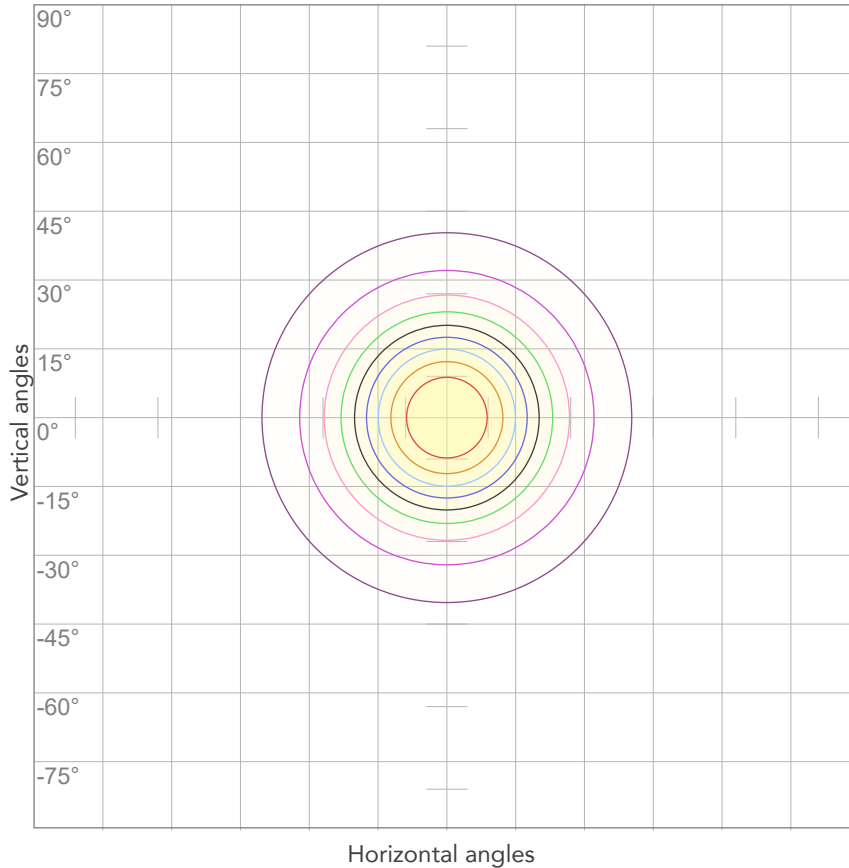


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	1,17A	217,9W	0,82	57lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



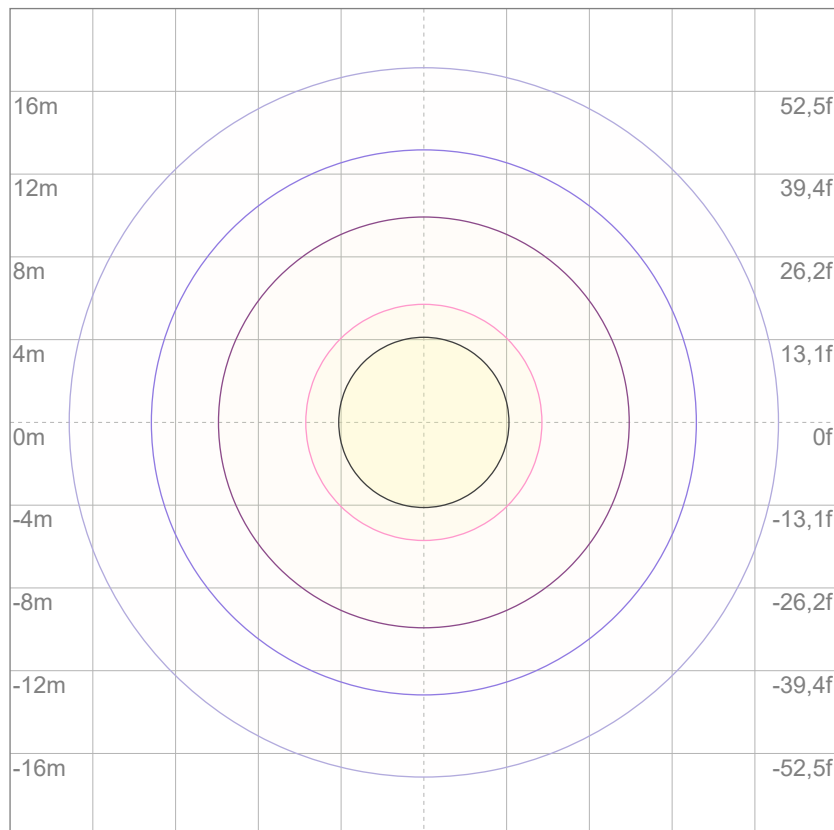
10%	1597 cd
20%	3195 cd
30%	4792 cd
40%	6389 cd
50%	7986 cd
60%	9584 cd
70%	11181 cd
80%	12778 cd

Conditions:

Number of c-planes: 2

Candela at center: 15973 cd

## ISO LUX DIAGRAM



3%	4,79 lx
5%	7,99 lx
10%	16,0 lx
30%	47,9 lx
50%	79,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 160 lx

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



Total lumen output:

12833 lm

Peak candela output:

11577 cd

Light quality:

CRI: 87,5

Color temperature:

6005 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60°Filter

Target:

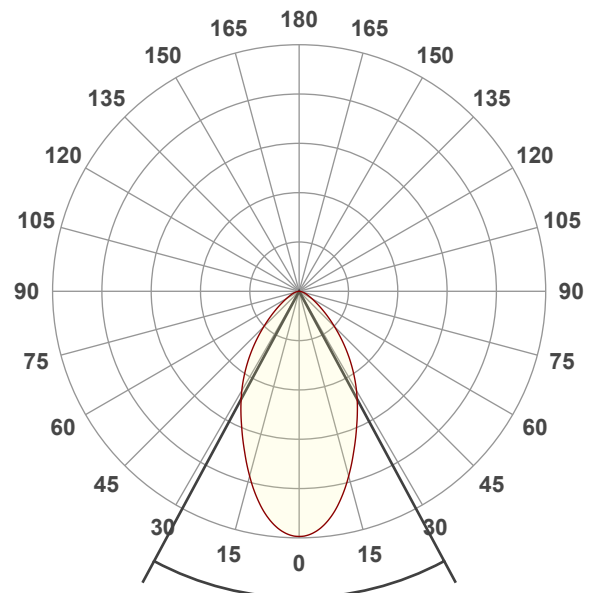
6000K

Operator:

Salvatore Giglio

Date and time:

25/10/2024 12:31:08

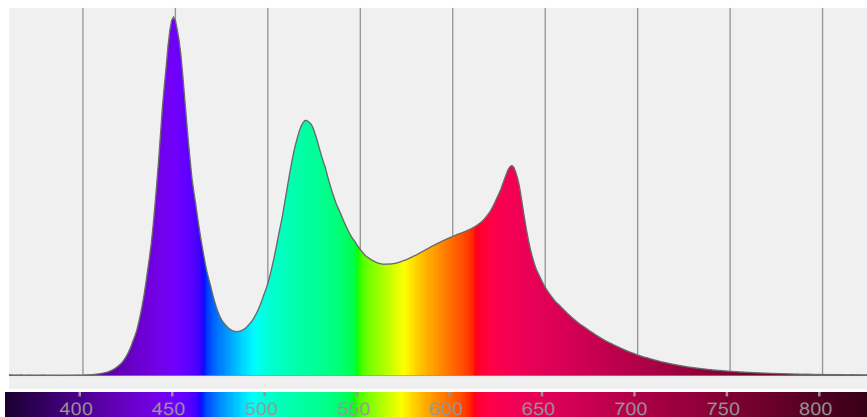


Beam angle 50%: 56,5°

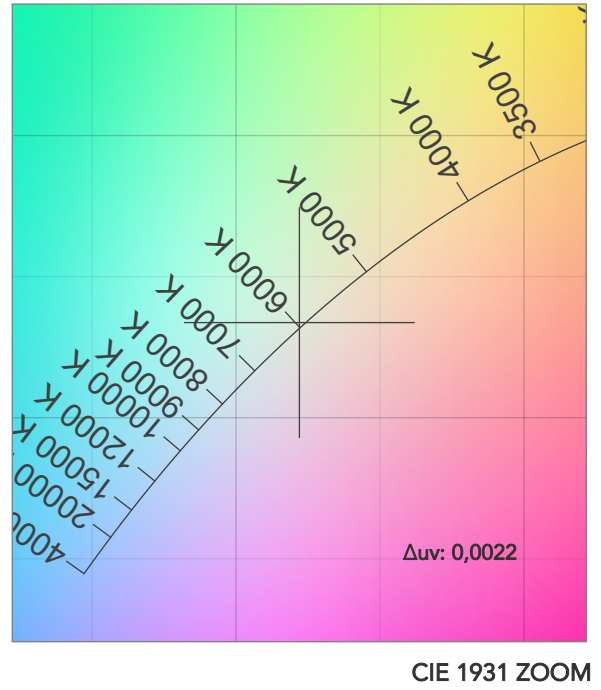
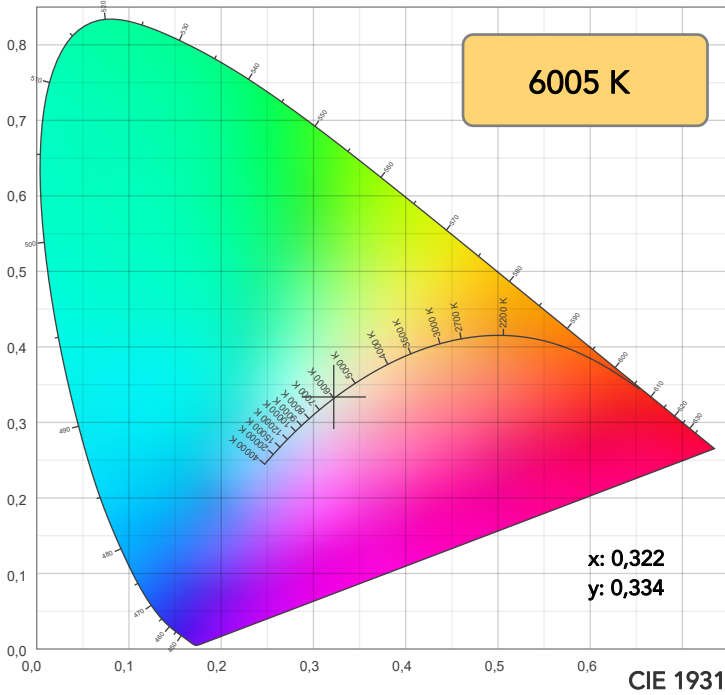
Field angle 10%: 107,9°

Cut off angle 2.5%: 142,9°

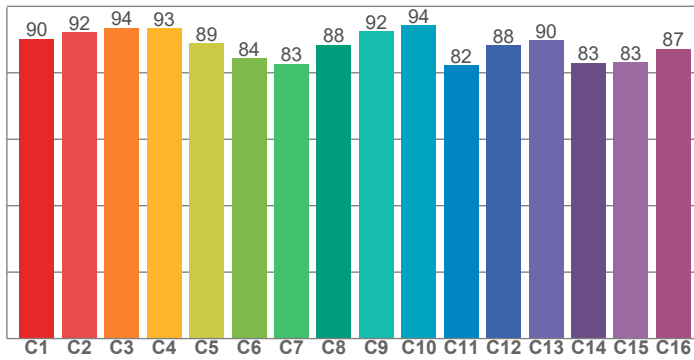
Spectra



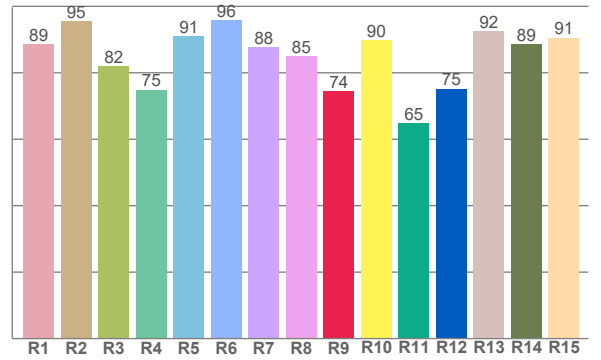
# COLOR DETAILS



**TM30: 88,5**



**CRI: 87,5 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
88,6	95,4	82,0	74,9	90,9	95,8	87,8	85,0	74,4	89,8	64,8	75,2	92,5	88,7	90,6

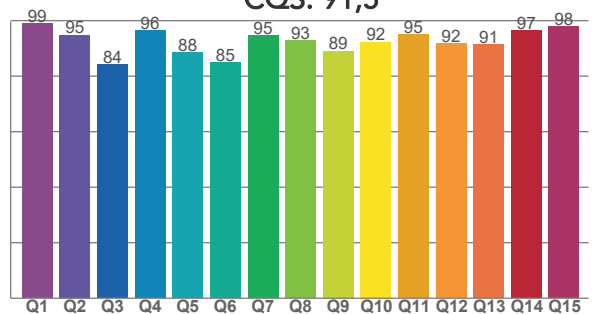
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	92,1	93,5	93,4	88,8	84,4	82,7	88,4	92,4	94,3	82,3	88,2	89,8	83,0	83,2	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	94,8	84,3	96,5	88,4	84,9	94,6	92,8	89,0	92,3	95,0	91,8	91,3	96,5	97,8

**CQS: 91,5**



## COLOR PARAMETERS

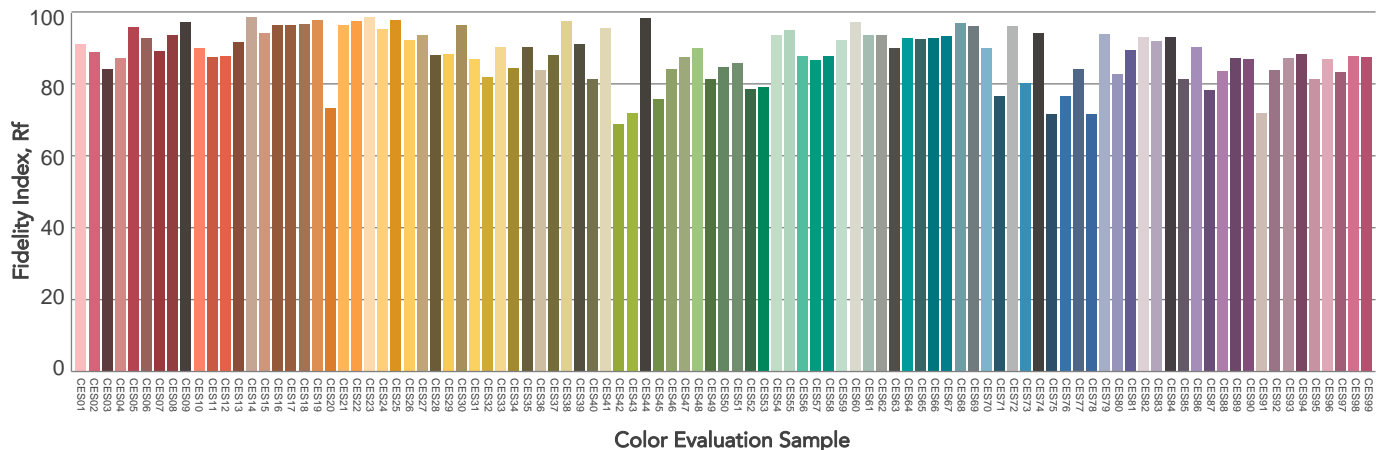
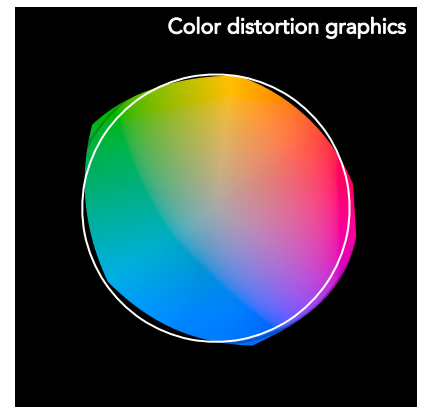
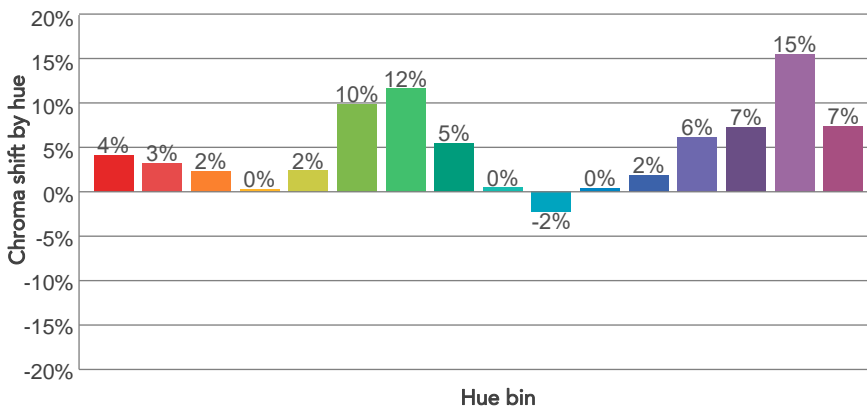
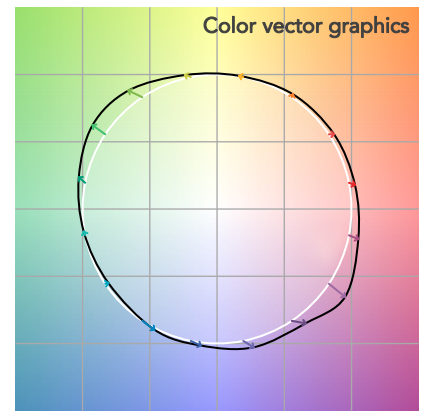
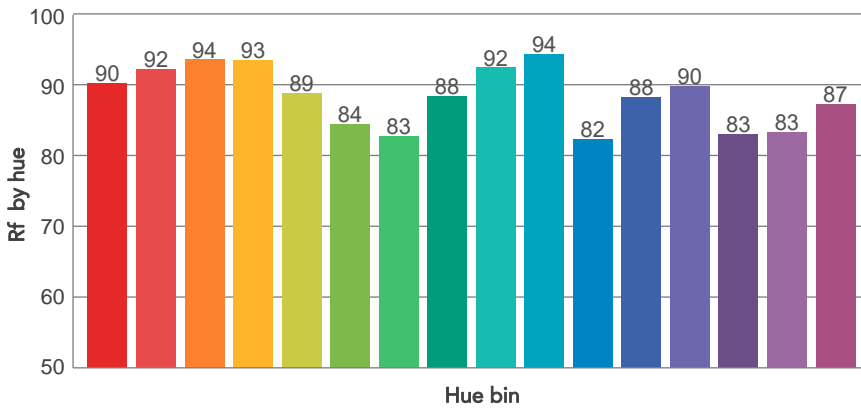
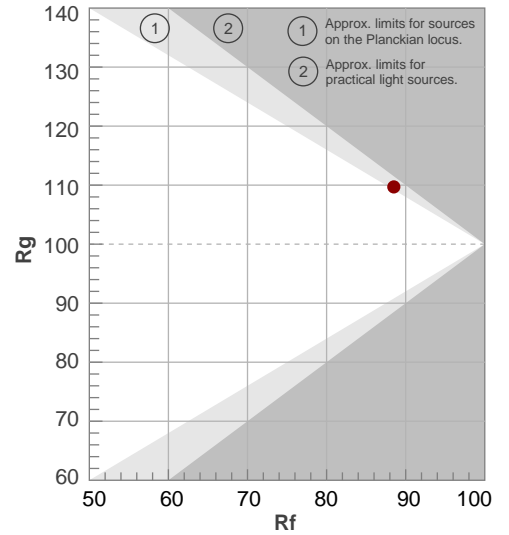
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6005 K	87,5	74,4	88,5	109,7	91,5	80	0,322	0,334	0,0022

# TM30 DETAILS

**Rf 88,5**  
Fidelity index Rf

**Rg 109,7**  
Gammut index

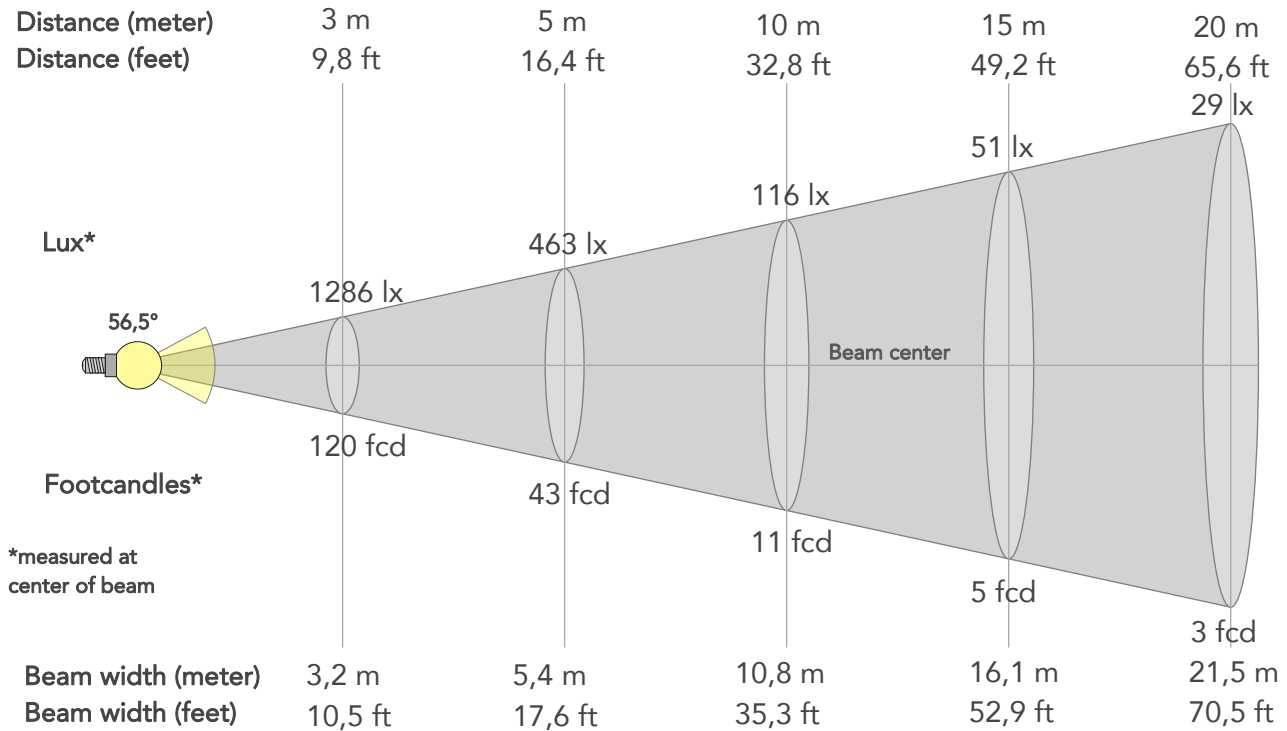
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	94	2%	1%
4	93	0%	3%
5	89	2%	4%
6	84	10%	6%
7	83	12%	0%
8	88	5%	-3%
9	92	0%	-3%
10	94	-2%	1%
11	82	0%	11%
12	88	2%	8%
13	90	6%	7%
14	83	7%	8%
15	83	15%	-1%
16	87	7%	-1%



# BEAM DETAILS



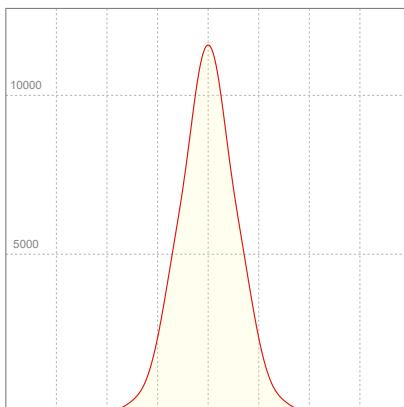
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,5°	107,9°	142,9°	94,0%	80,2%



## 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	11577lx	2894lx	1286lx	724lx	463lx	206lx	116lx	51lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1076fcd	269fcd	120fcd	67fcd	43fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,1m	21,5m	26,9m	32,3m	43m	53,8m
Beam wid.	3,5ft	7,1ft	10,5ft	14,1ft	17,6ft	26,4ft	35,3ft	52,9ft	70,5ft	88,2ft	105,8ft	141,1ft	176,3ft

## LINEAR DISTRIBUTION DIAGRAM

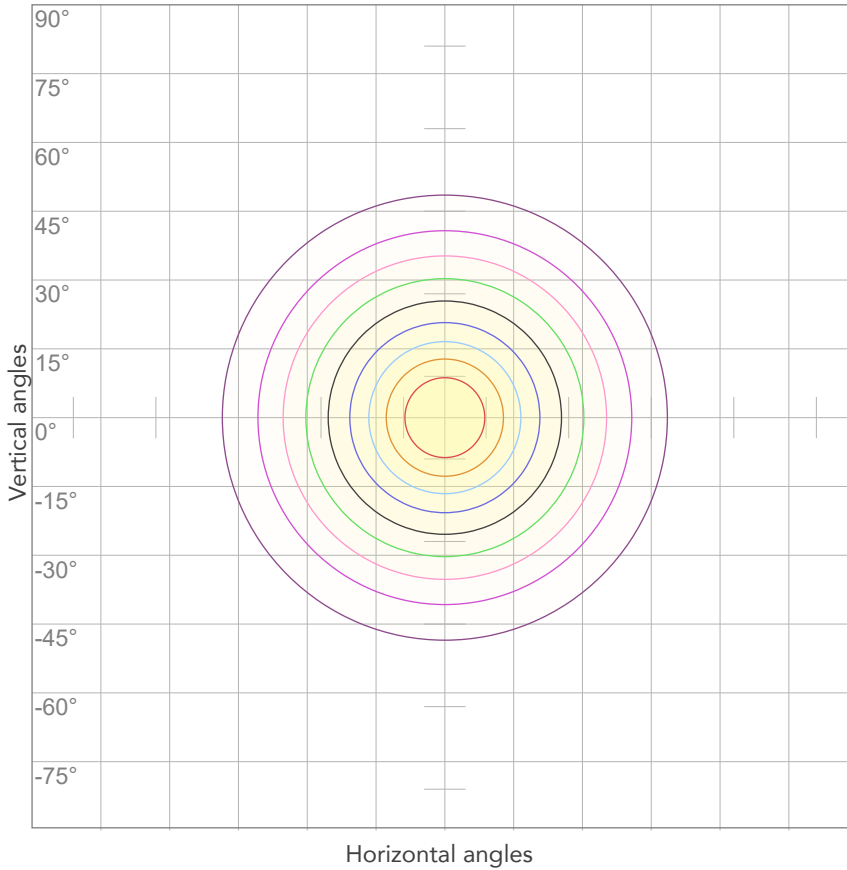


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	1,11A	215,3W	0,84	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



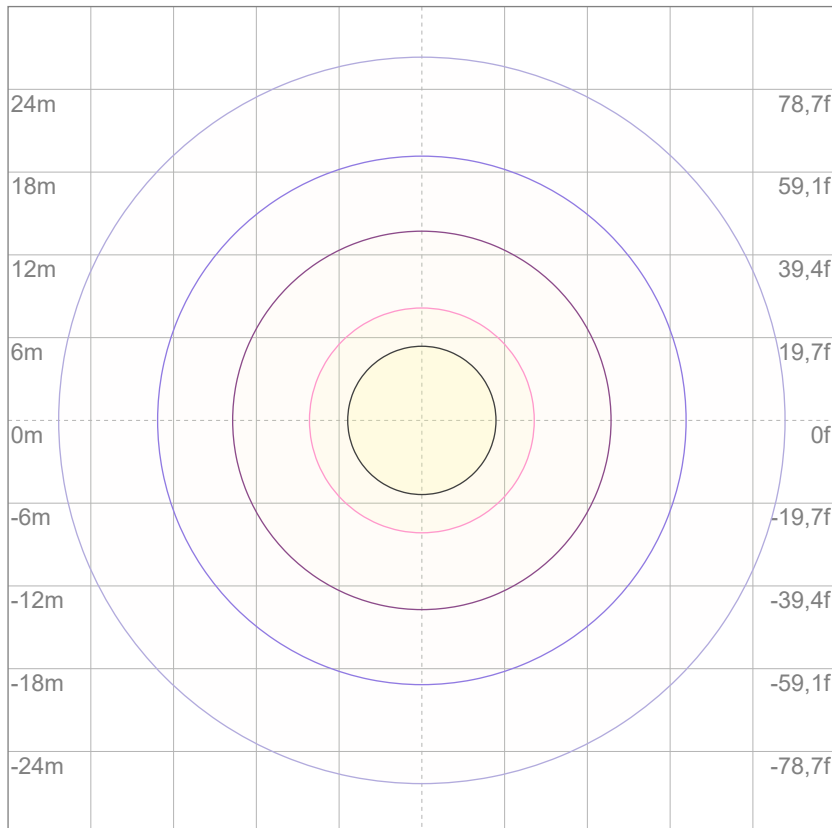
10%	1158 cd
20%	2315 cd
30%	3473 cd
40%	4631 cd
50%	5789 cd
60%	6946 cd
70%	8104 cd
80%	9262 cd

Conditions:

Number of c-planes: 2

Candela at center: 11577 cd

## ISO LUX DIAGRAM



3%	3,47 lx
5%	5,79 lx
10%	11,6 lx
30%	34,7 lx
50%	57,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 116 lx

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



Total lumen output:

14105 lm

Peak candela output:

38877 cd

Light quality:

CRI: 87,6

Color temperature:

6044 K

PRODUCT NAME:

ARCSPOTXLFC

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x60°Filter

Target:

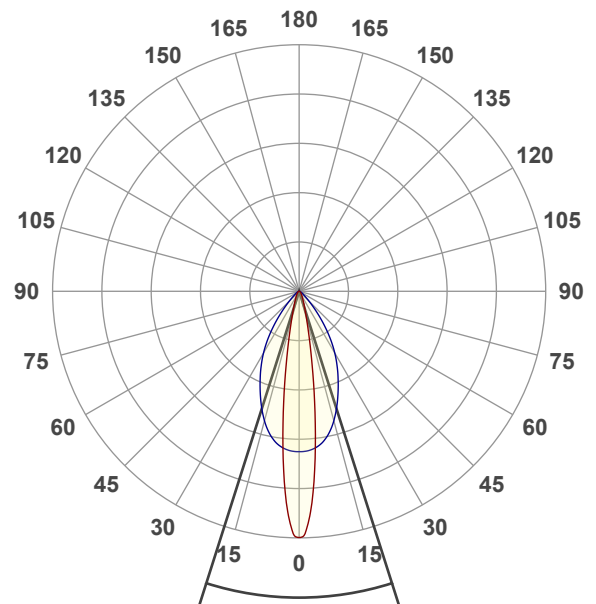
6000K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 11:12:01

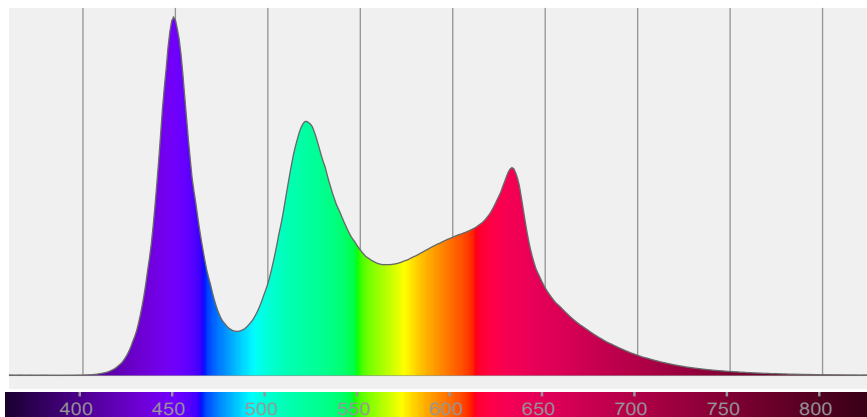


Beam angle 50%: 35,3°

Field angle 10%: 60°

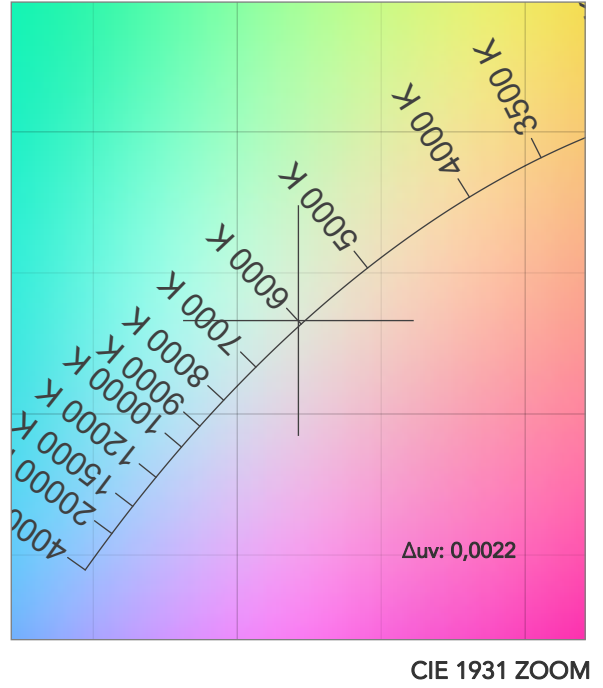
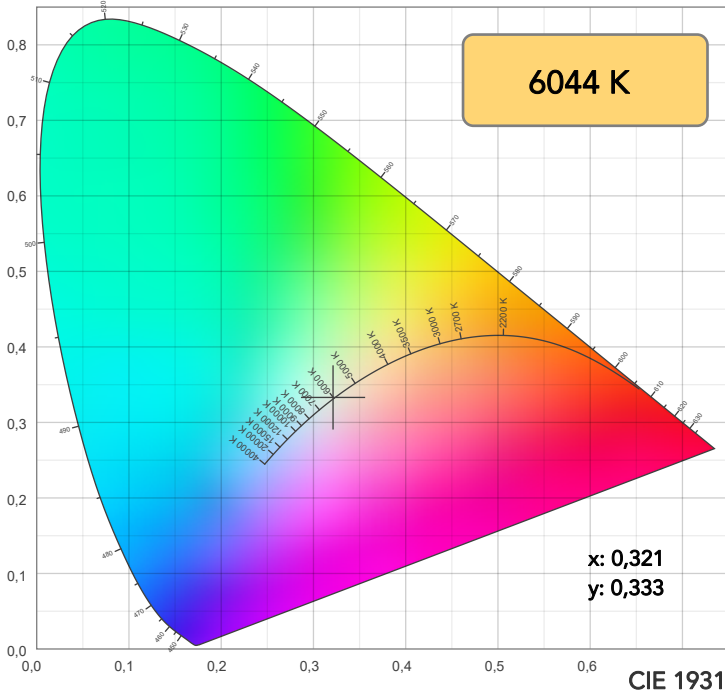
Cut off angle 2.5%: 86°

Spectra

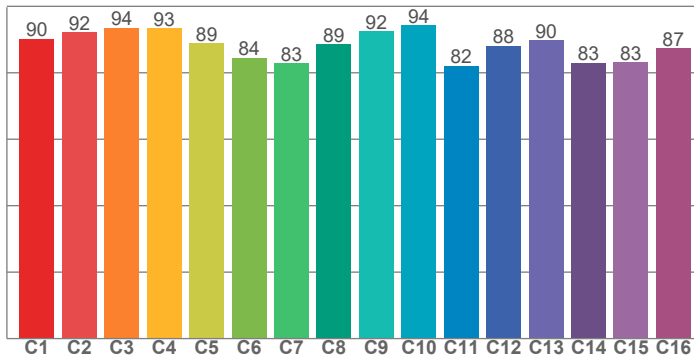




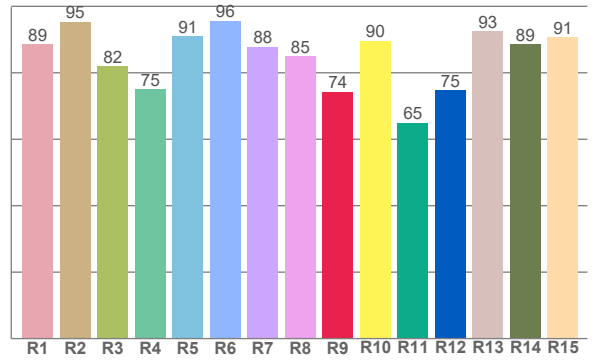
# COLOR DETAILS



**TM30: 88,5**



**CRI: 87,6 (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
88,7	95,4	81,9	75,1	91,0	95,7	87,9	85,0	74,3	89,7	65,0	74,9	92,5	88,7	90,6

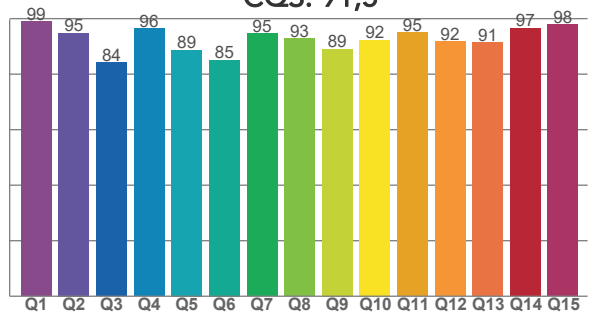
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	92,2	93,6	93,4	88,9	84,5	82,8	88,5	92,5	94,3	82,1	88,2	89,8	83,0	83,1	87,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,9	94,8	84,2	96,4	88,6	85,1	94,6	92,8	89,0	92,3	95,0	91,8	91,3	96,5	97,8

**CQS: 91,5**



## COLOR PARAMETERS

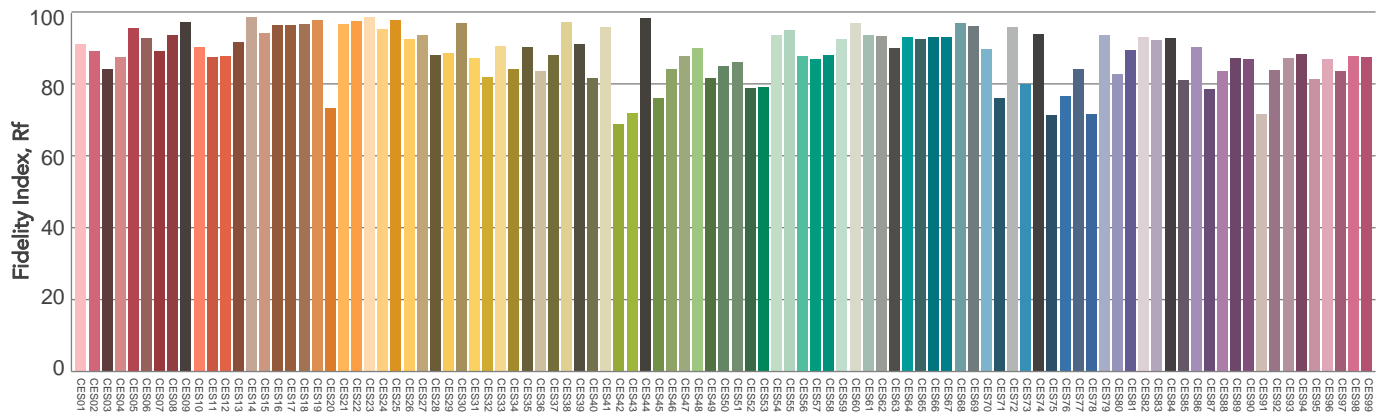
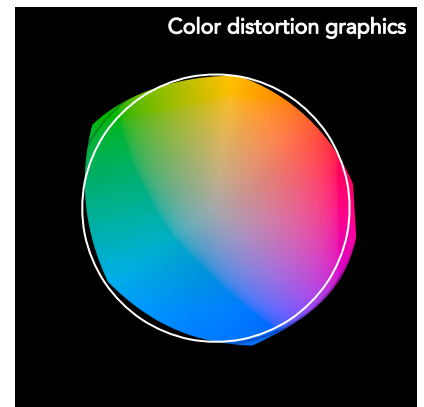
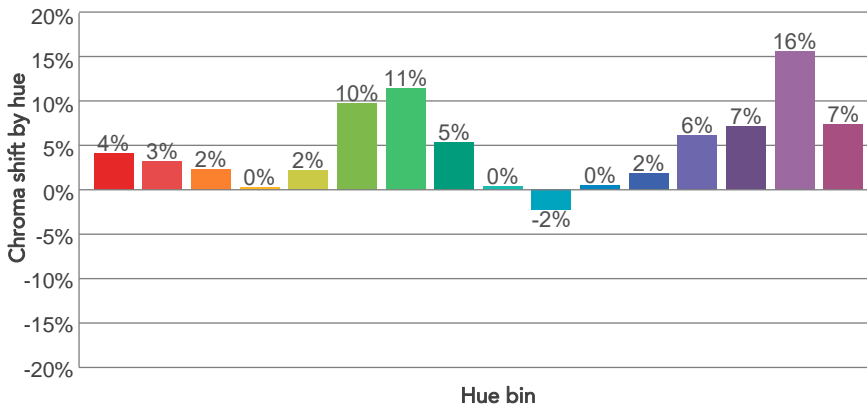
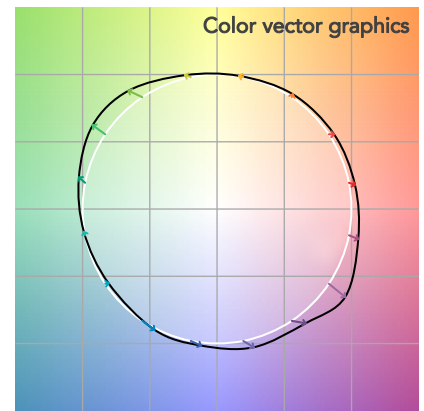
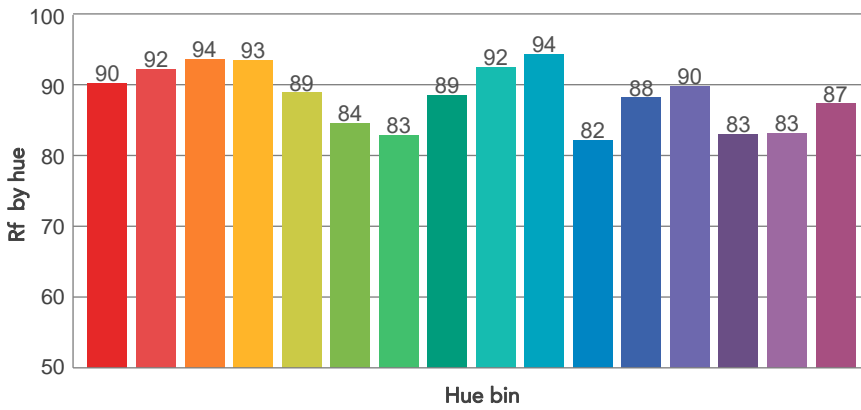
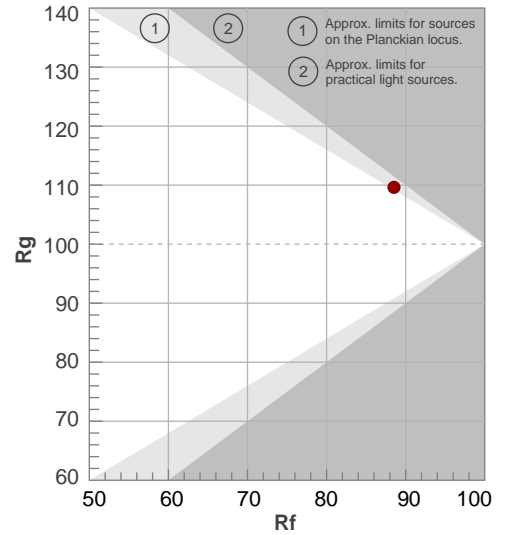
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6044 K	87,6	74,3	88,5	109,6	91,5	81	0,321	0,333	0,0022

# TM30 DETAILS

**Rf 88,5**  
Fidelity index Rf

**Rg 109,6**  
Gammut index

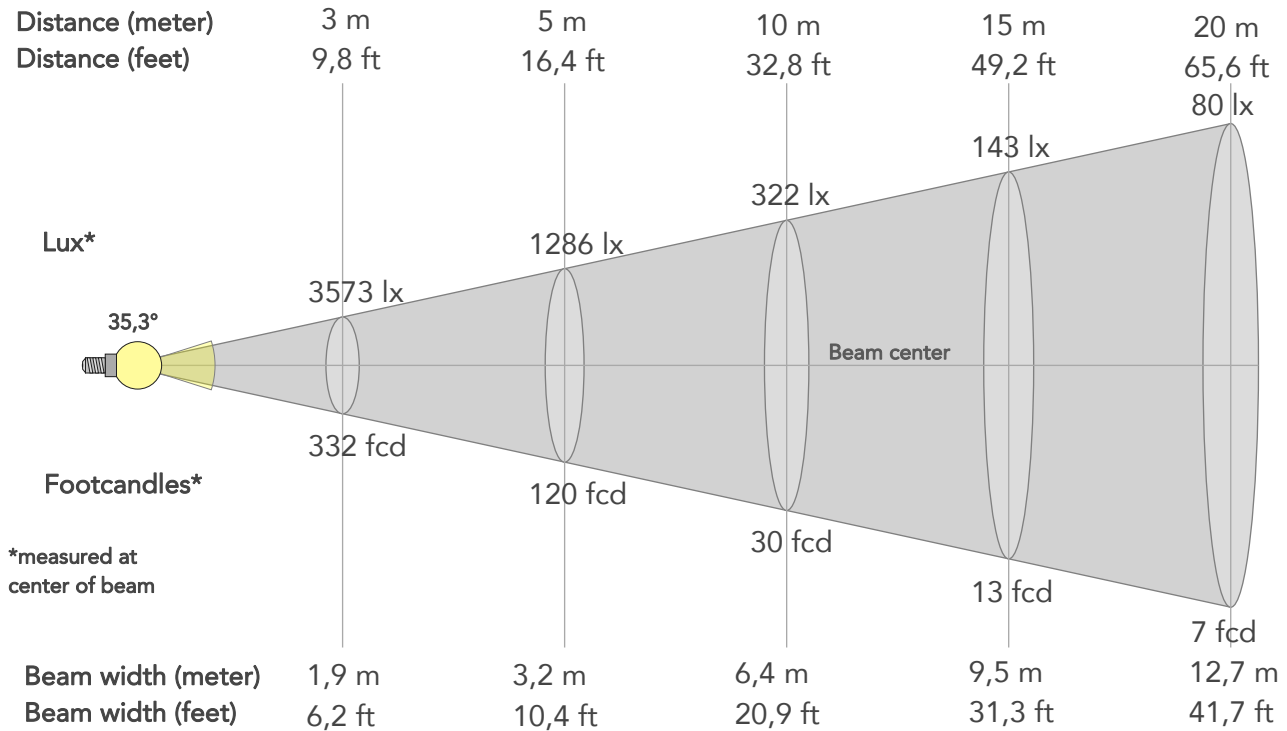
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-2%
2	92	3%	-2%
3	94	2%	1%
4	93	0%	3%
5	89	2%	4%
6	84	10%	6%
7	83	11%	0%
8	89	5%	-3%
9	92	0%	-3%
10	94	-2%	1%
11	82	0%	11%
12	88	2%	8%
13	90	6%	7%
14	83	7%	8%
15	83	16%	-1%
16	87	7%	-1%



# BEAM DETAILS



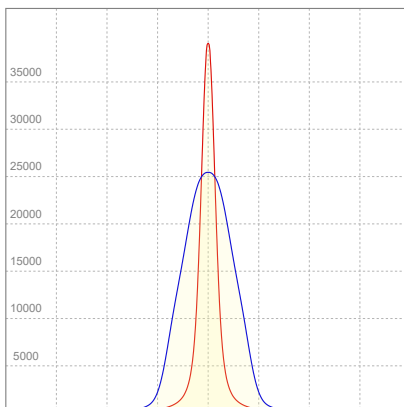
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,3°	60°	86°	97,0%	91,0%



## 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	32157lx	8039lx	3573lx	2010lx	1286lx	572lx	322lx	143lx	80lx	51lx	36lx	20lx	13lx
Footcand.	2988fcd	747fcd	332fcd	187fcd	120fcd	53fcd	30fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,5m	3,2m	4,8m	6,4m	9,5m	12,7m	15,9m	19,1m	25,4m	31,8m
Beam wid.	2,1ft	4,2ft	6,2ft	8,3ft	10,4ft	15,6ft	20,9ft	31,3ft	41,7ft	52,2ft	62,6ft	83,4ft	104,3ft

## LINEAR DISTRIBUTION DIAGRAM

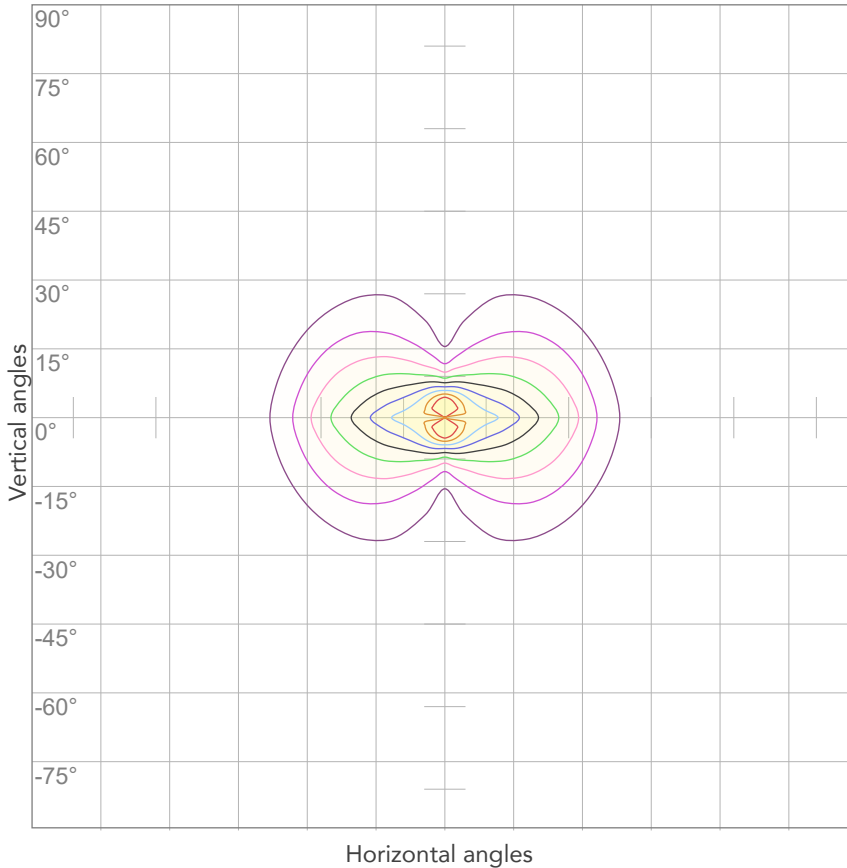


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,11A	208,8W	0,83	68lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



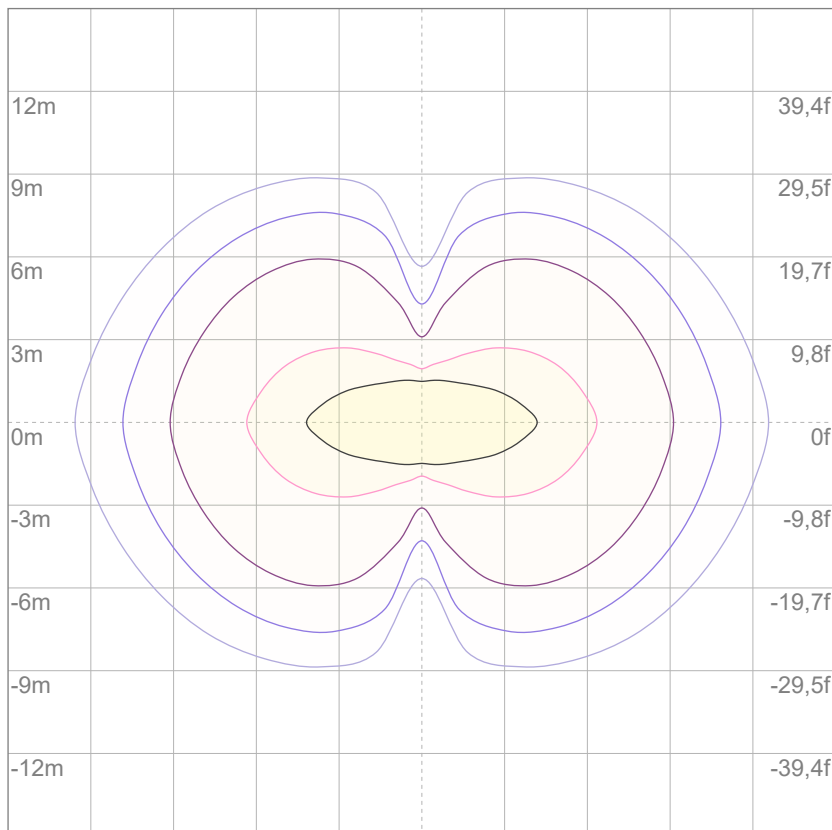
10%	3216 cd
20%	6431 cd
30%	9647 cd
40%	12863 cd
50%	16079 cd
60%	19294 cd
70%	22510 cd
80%	25726 cd

Conditions:

Number of c-planes: 4

Candela at center: 32157 cd

## ISO LUX DIAGRAM



3%	9,65 lx
5%	16,1 lx
10%	32,2 lx
30%	96,5 lx
50%	161 lx

Conditions:

Number of c-planes: 4

Lux at center: 322 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

13416 lm

Peak candela output:

20155 cd

Light quality:

CRI: 87,0

Color temperature:

6069 K

**PRODUCT NAME:**

ARCSPOTXLFC

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60°Filter

Target:

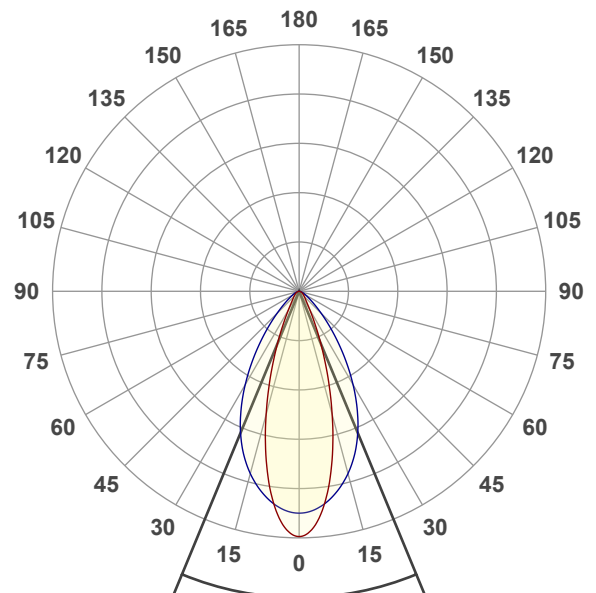
6000K

Operator:

Salvatore Giglio

Date and time:

28/10/2024 13:58:15

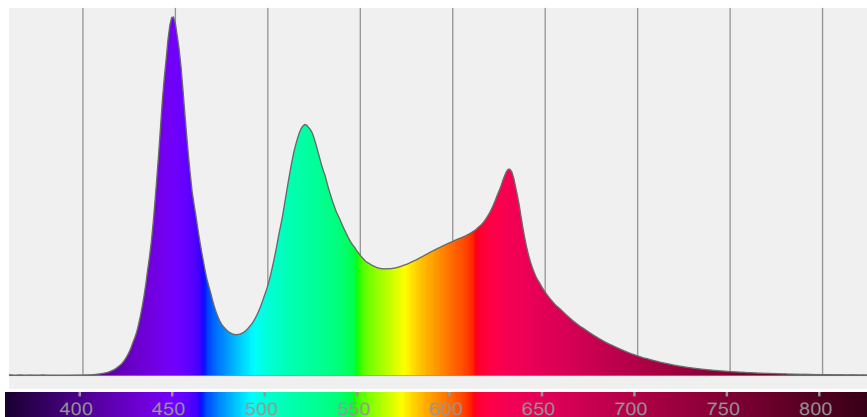


Beam angle 50%: 45°

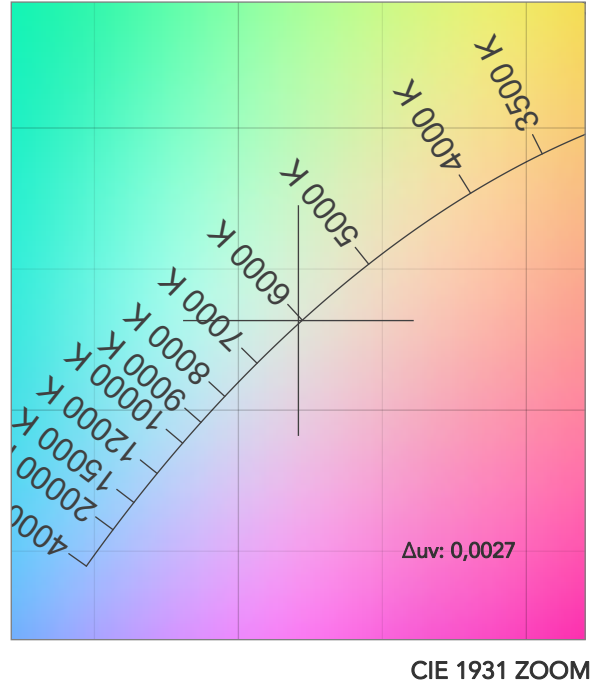
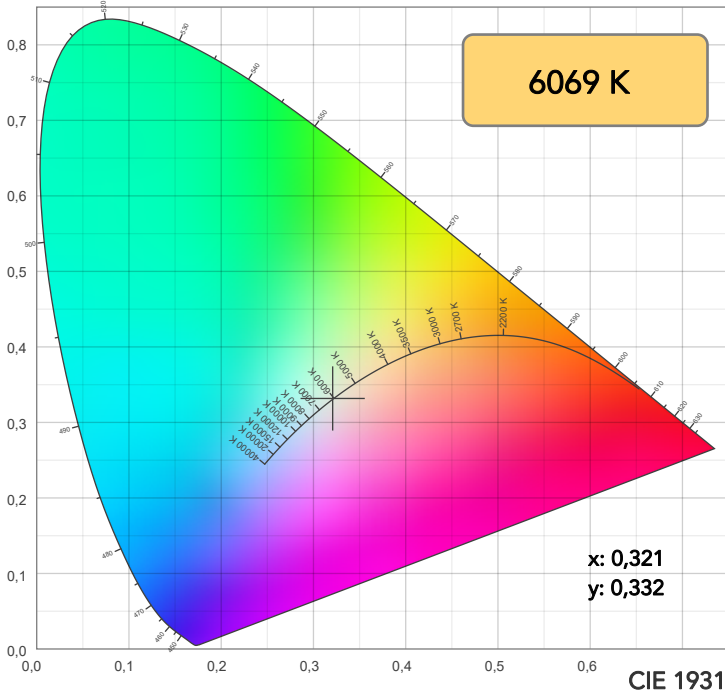
Field angle 10%: 77,3°

Cut off angle 2.5%: 113°

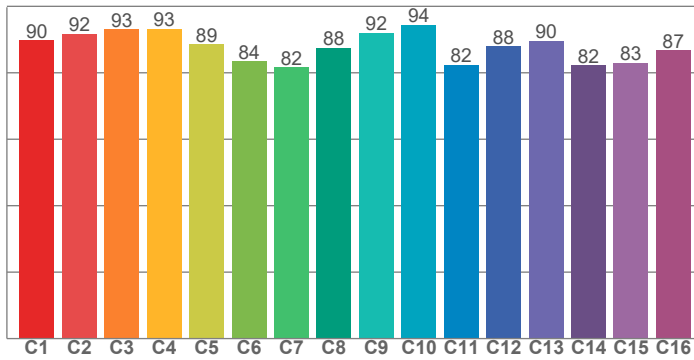
Spectra



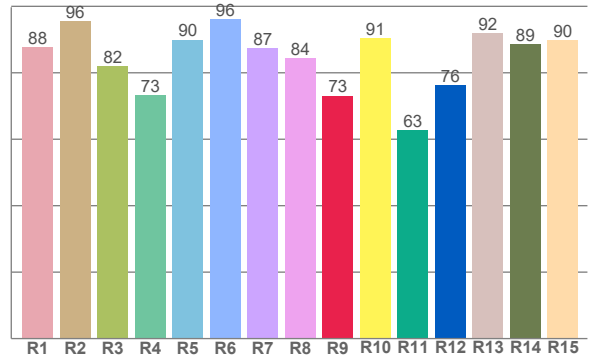
# COLOR DETAILS



TM30: 88,1



CRI: 87,0 (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
87,7	95,5	81,9	73,4	90,0	96,1	87,3	84,4	73,1	90,5	62,8	76,2	91,8	88,6	89,8

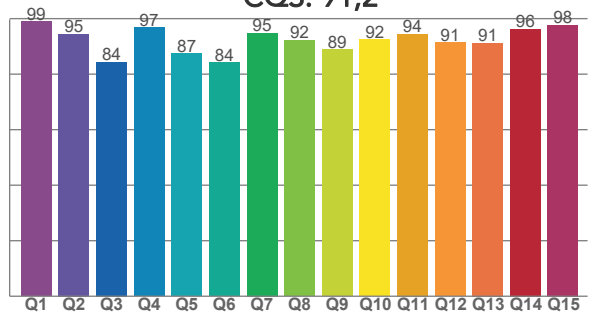
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,8	91,7	93,2	93,3	88,6	83,5	81,6	87,5	92,0	94,4	82,4	88,0	89,7	82,2	83,0	86,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	94,5	84,4	96,7	87,3	84,3	94,8	92,2	88,9	92,4	94,5	91,5	91,2	96,3	97,7

CQS: 91,2



## COLOR PARAMETERS

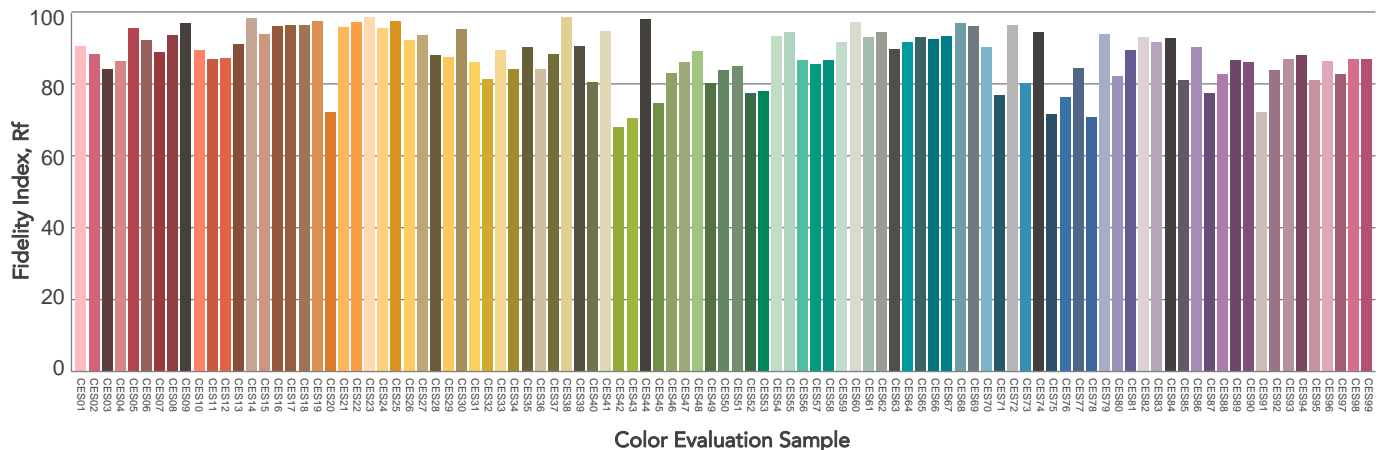
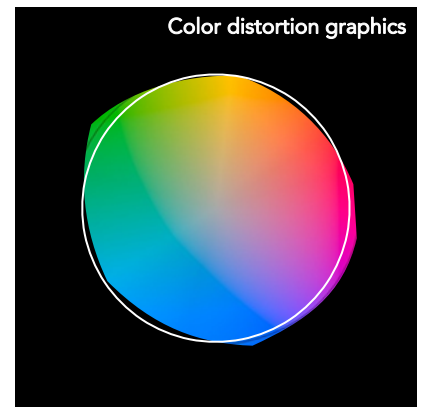
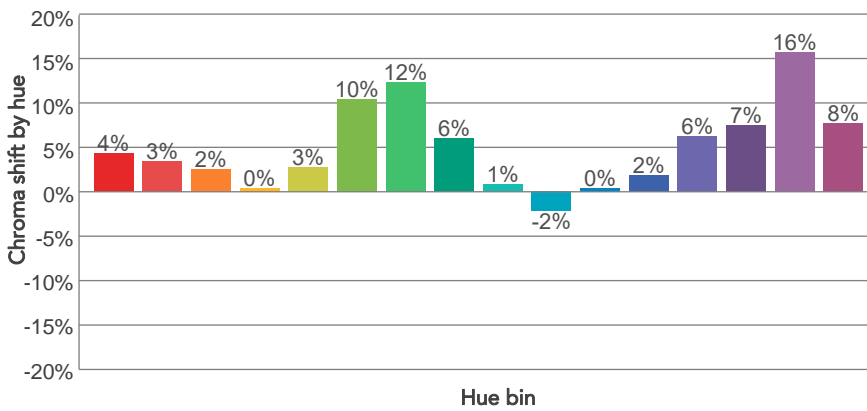
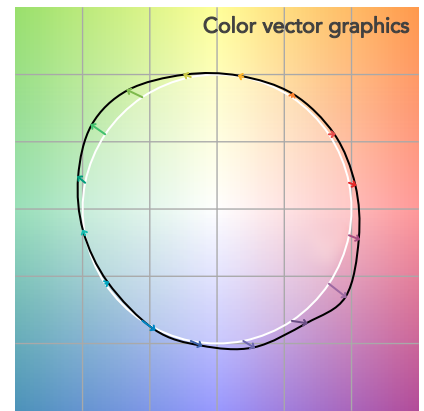
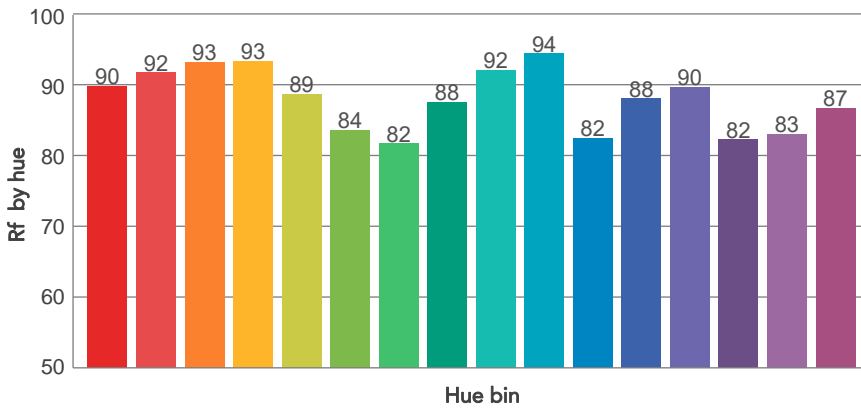
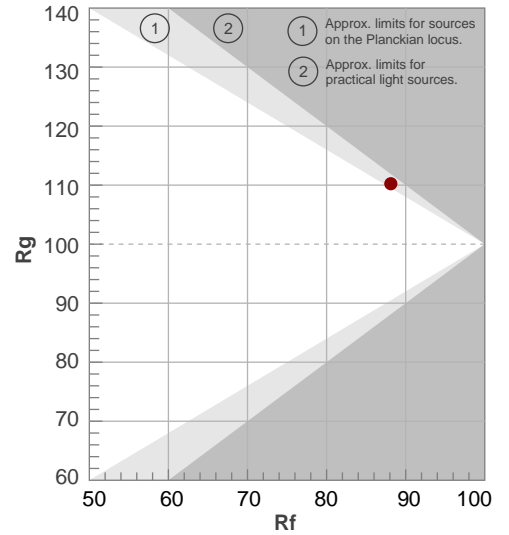
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6069 K	87,0	73,1	88,1	110,2	91,2	78	0,321	0,332	0,0027

# TM30 DETAILS

**Rf 88,1**  
Fidelity index Rf

**Rg 110,2**  
Gammut index

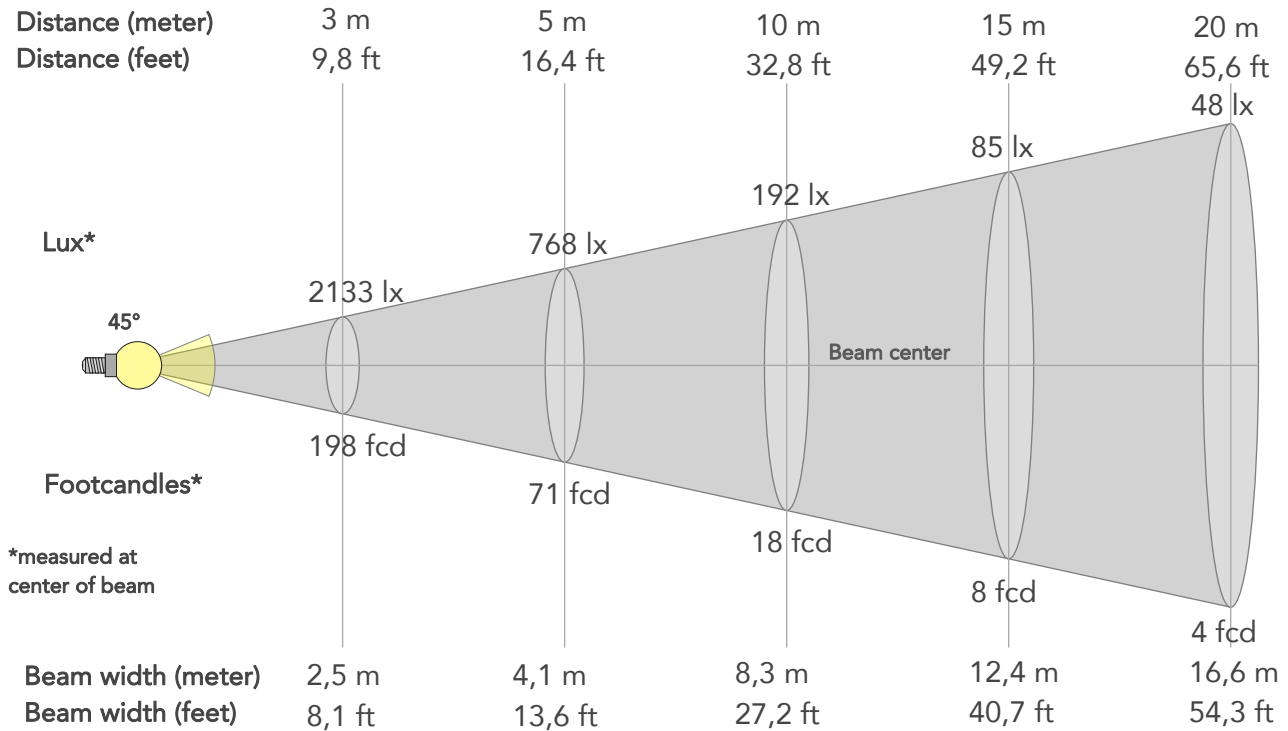
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	4%	-3%
2	92	3%	-2%
3	93	2%	1%
4	93	0%	3%
5	89	3%	4%
6	84	10%	6%
7	82	12%	0%
8	88	6%	-3%
9	92	1%	-4%
10	94	-2%	0%
11	82	0%	11%
12	88	2%	8%
13	90	6%	7%
14	82	7%	8%
15	83	16%	-1%
16	87	8%	-1%



# BEAM DETAILS



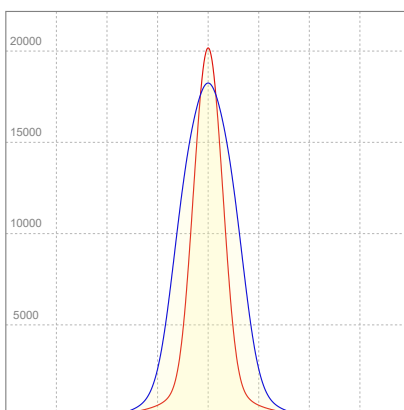
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	77,3°	113°	95,9%	87,4%



## 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	19199lx	4800lx	2133lx	1200lx	768lx	341lx	192lx	85lx	48lx	31lx	21lx	12lx	8lx
Footcand.	1784fcd	446fcd	198fcd	111fcd	71fcd	32fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,1m	6,2m	8,3m	12,4m	16,6m	20,7m	24,8m	33,1m	41,4m
Beam wid.	2,7ft	5,5ft	8,1ft	10,8ft	13,6ft	20,4ft	27,2ft	40,7ft	54,3ft	67,9ft	81,5ft	108,6ft	135,8ft

## LINEAR DISTRIBUTION DIAGRAM



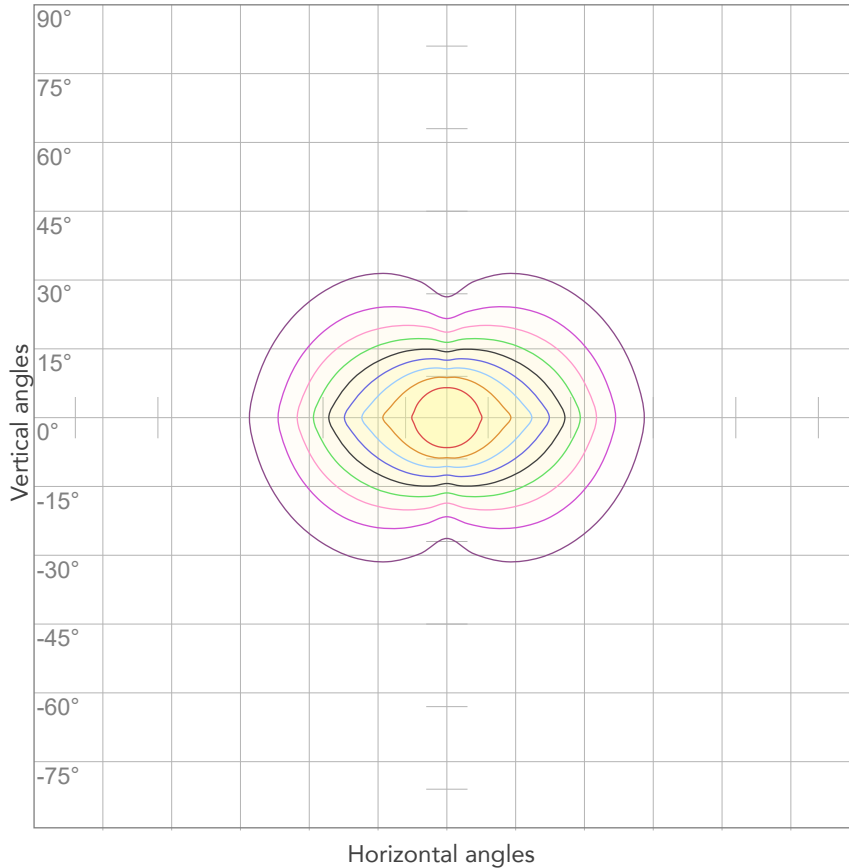
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	1,10A	211,7W	0,85	63lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



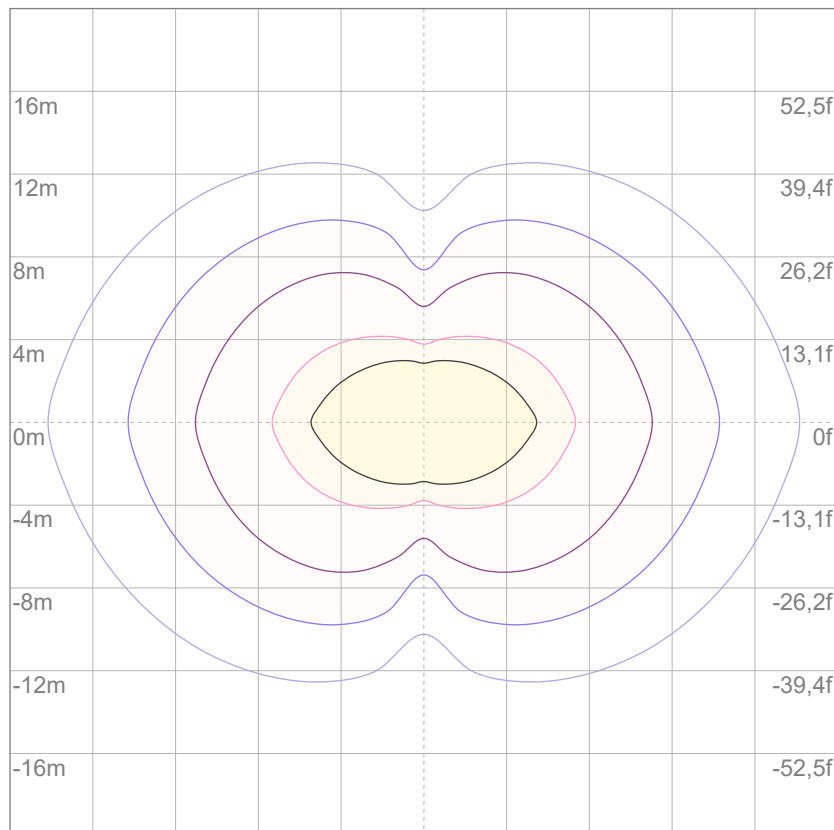
10%	1920 cd
20%	3840 cd
30%	5760 cd
40%	7680 cd
50%	9600 cd
60%	11520 cd
70%	13440 cd
80%	15359 cd

Conditions:

Number of c-planes: 4

Candela at center: 19199 cd

## ISO LUX DIAGRAM



3%	5,76 lx
5%	9,60 lx
10%	19,2 lx
30%	57,6 lx
50%	96,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 192 lx

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

Mounting height: 10 meters (33 feet)