Photometric Test Report

ArcSpot XSFC

IP66 Spot featuring 600 lumen

with 3 x 4W RGB+WarmWhite source,

15° Degree Optic

CONTENTS

TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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

Total lumen output:

612 lm

Peak candela output:

6342 cd

Light quality:

CRI: 0,0

Color temperature:

30416 K

PRODUCT NAME:

ARCSPOTXSFC

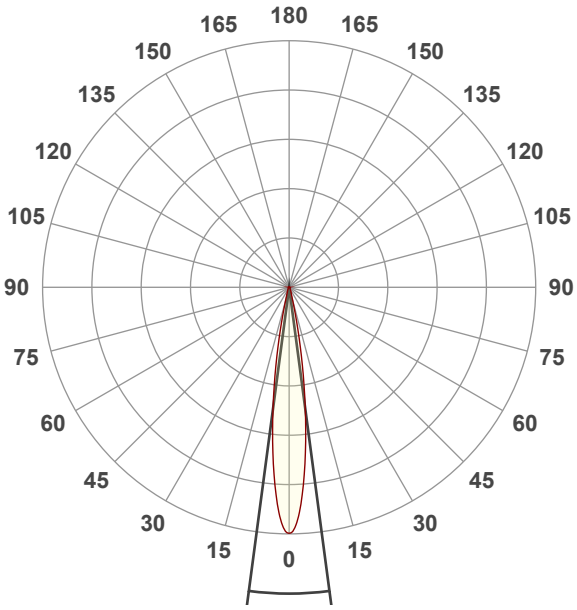
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Full On

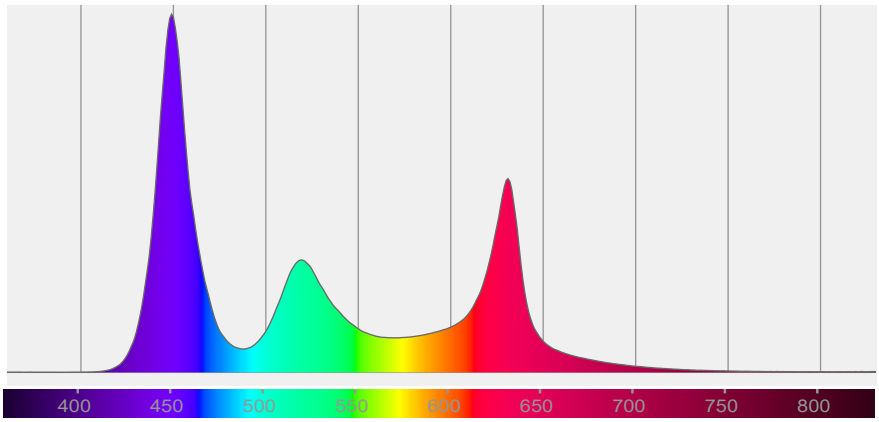
Operator:
Salvatore Giglio

Date and time:
23/05/2024 10:36:34

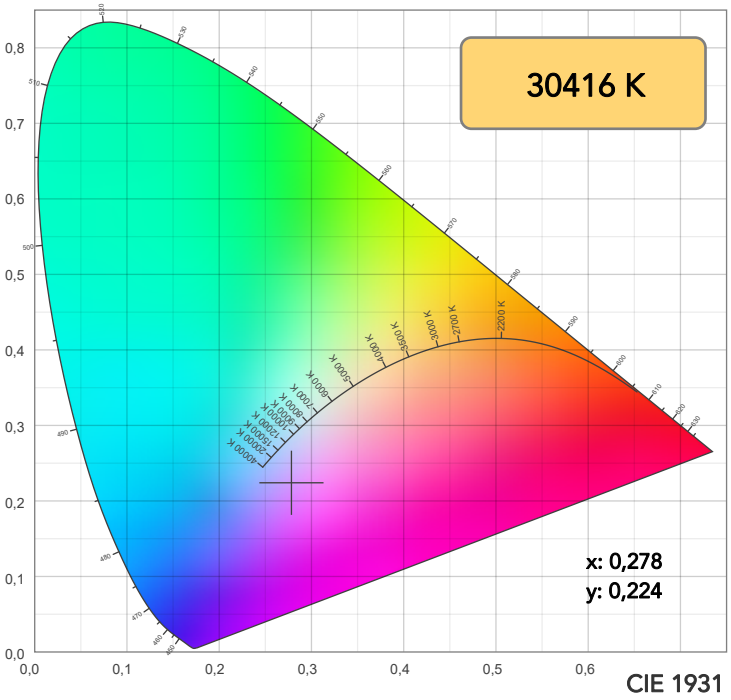


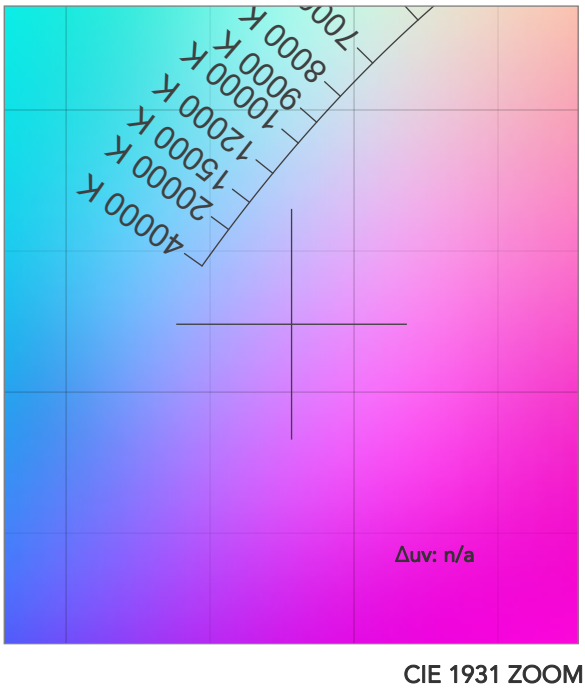
Beam angle 50%: 15,1°
Field angle 10%: 26,7°
Cut off angle 2.5%: 39,1°

Spectra

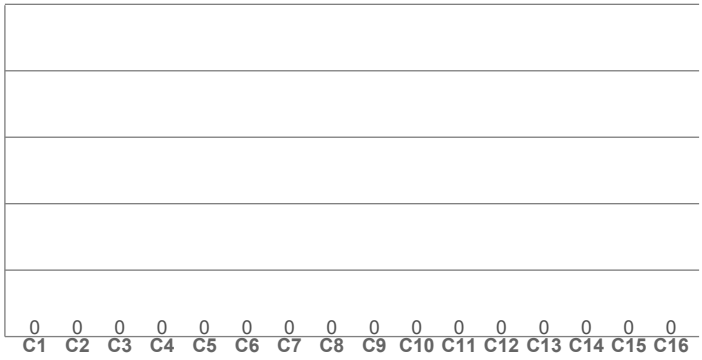


COLOR DETAILS

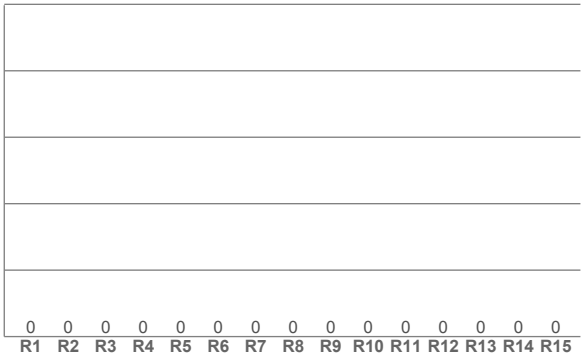




TM30: 0,0



CRI: 0,0 (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
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

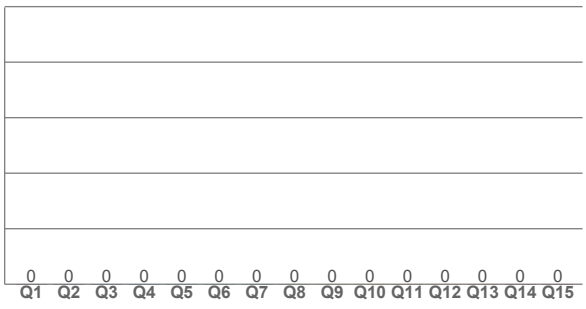
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0

CQS: 0,0



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
30416 K	0,0	0,0	0,0	0,0	0,0	71	0,278	0,224	n/a

TM30 DETAILS

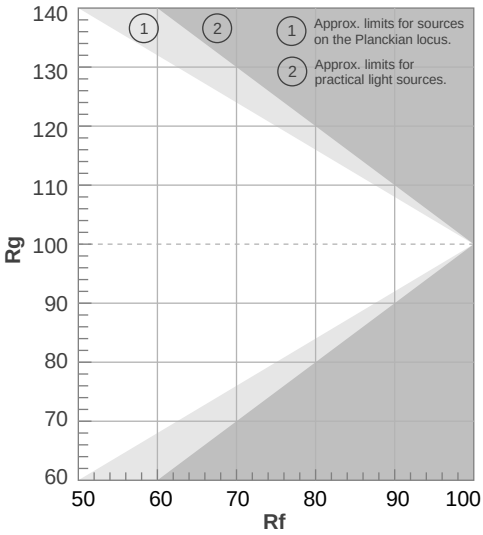
Rf 0,0

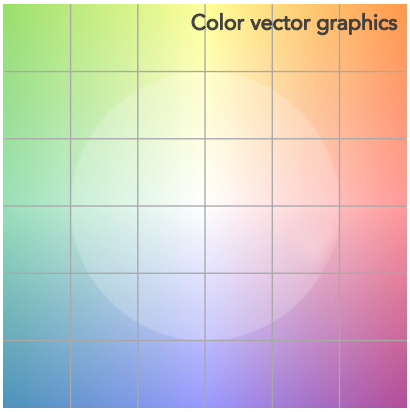
Fidelity index Rf

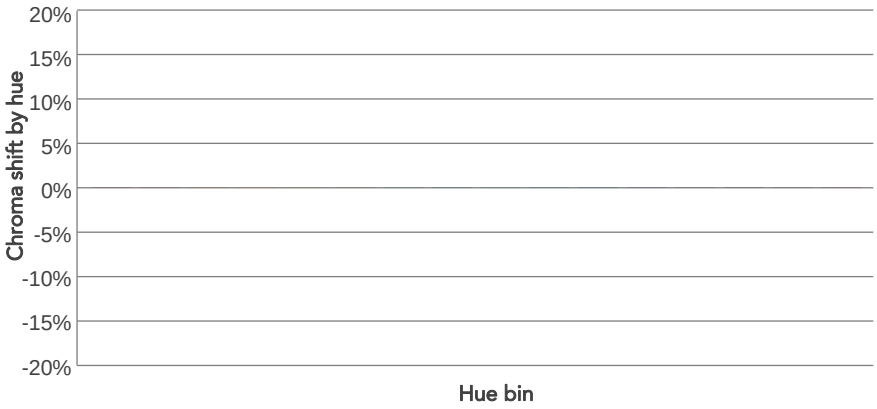
Rg 0,0

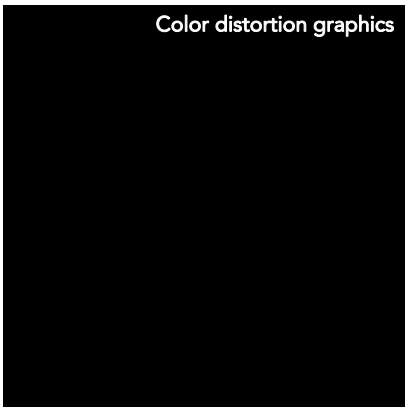
Gammut index

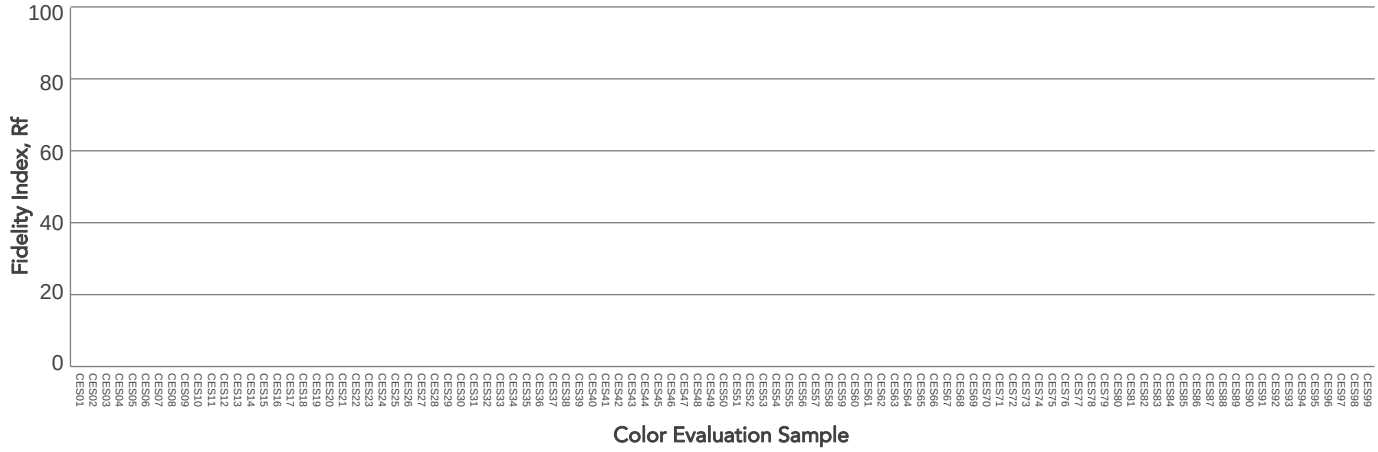
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%











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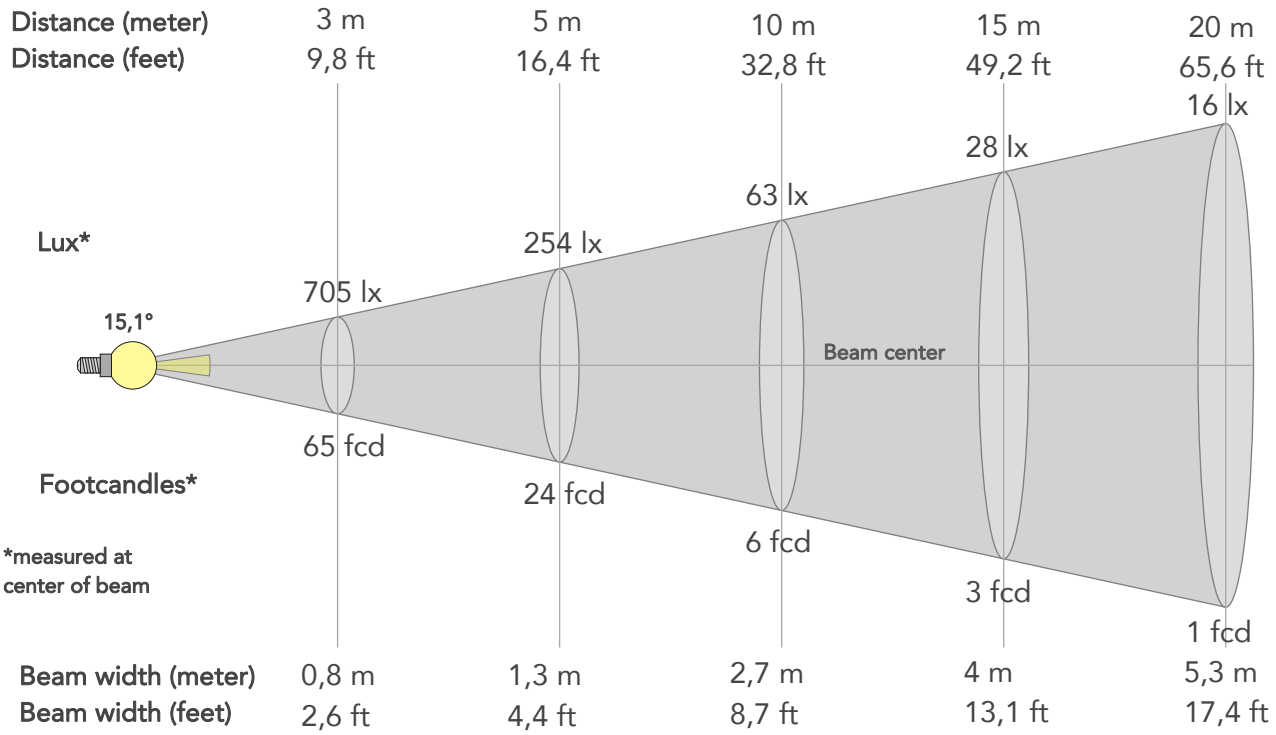
Via A. Olivetti snc
04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

prolights.it
info@prolights.it

BEAM DETAILS

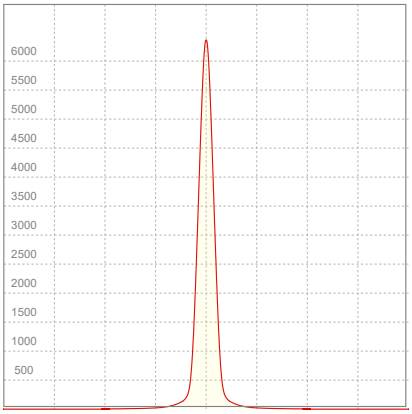
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,1°	26,7°	39,1°	96,6%	93,4%



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	6342lx	1585lx	705lx	396lx	254lx	113lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	589fcd	147fcd	65fcd	37fcd	24fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,7m	4m	5,3m	6,6m	8m	10,6m	13,3m
Beam wid.	0,9ft	1,8ft	2,6ft	3,5ft	4,4ft	6,5ft	8,7ft	13,1ft	17,4ft	21,8ft	26,1ft	34,8ft	43,5ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

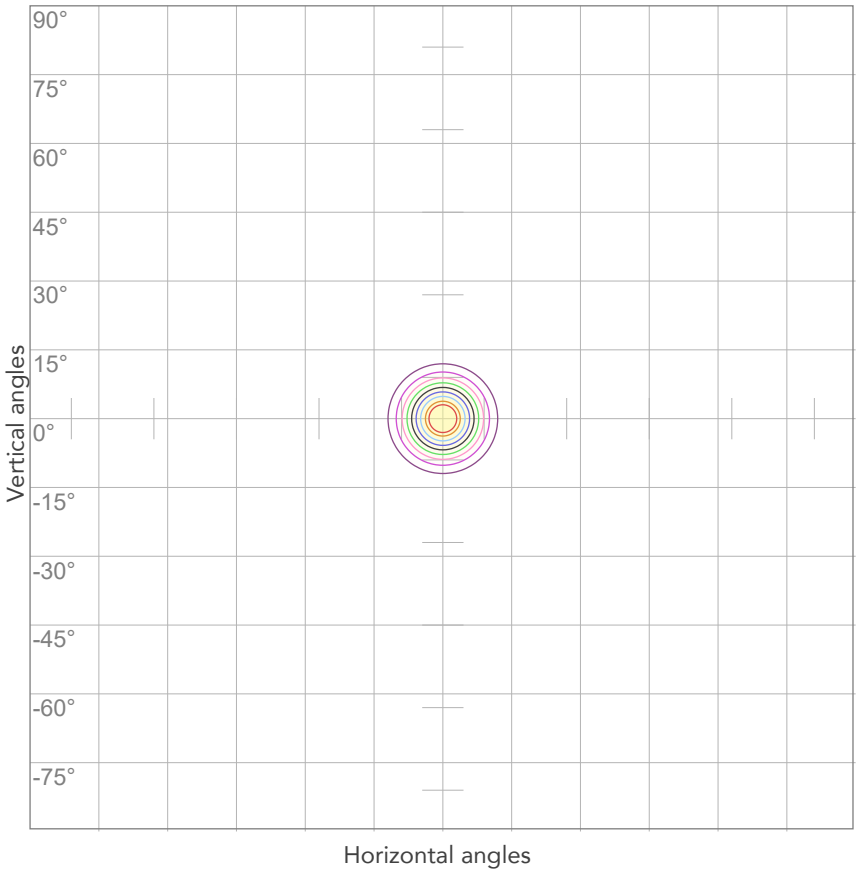
Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,126A	15,5W	0,54	40lm/W

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

prolights.it
info@prolights.it

ISO DIAGRAMS

ISO CANDELA DIAGRAM



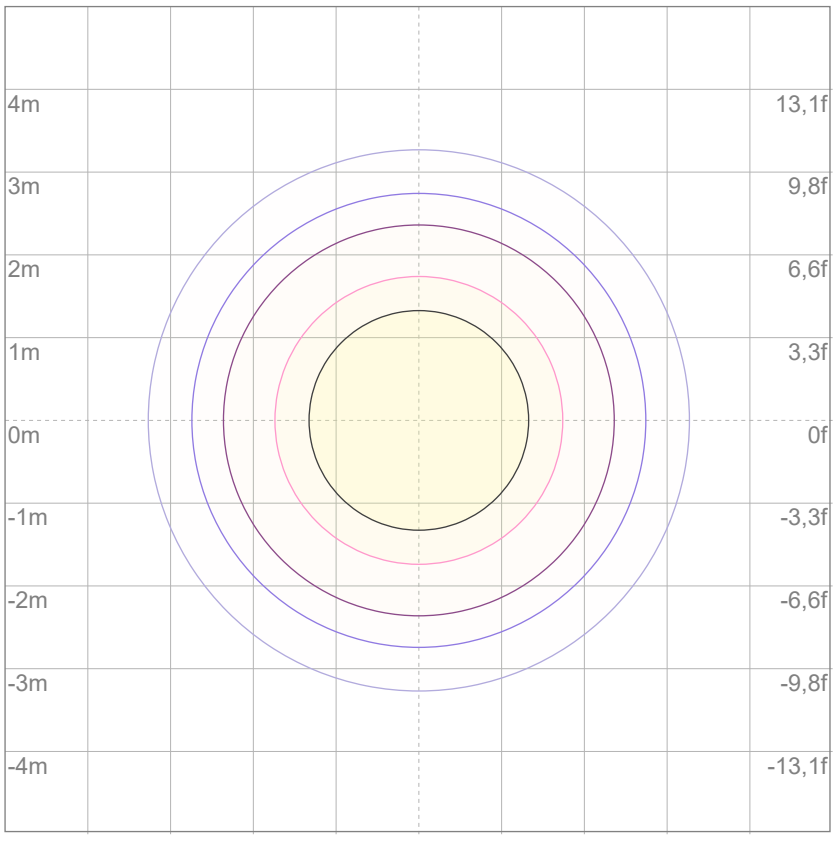
10%	634 cd
20%	1268 cd
30%	1903 cd
40%	2537 cd
50%	3171 cd
60%	3805 cd
70%	4439 cd
80%	5073 cd

Conditions:

Number of c-planes: 2

Candela at center: 6342 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,90 lx
5%	3,17 lx
10%	6,34 lx
30%	19,0 lx
50%	31,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 63,4 lx

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

Total lumen output:

174 lm

Peak candela output:

1571 cd

PRODUCT NAME:

ARCSPOTXSFC

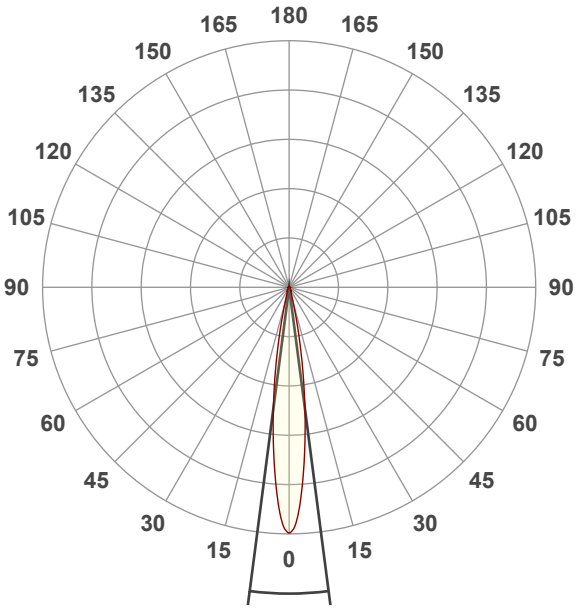
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Red

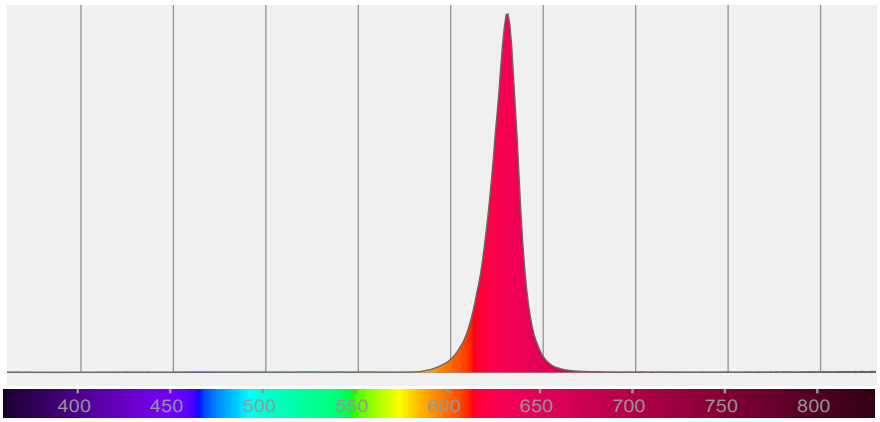
Operator:
Salvatore Giglio

Date and time:
23/05/2024 10:59:32



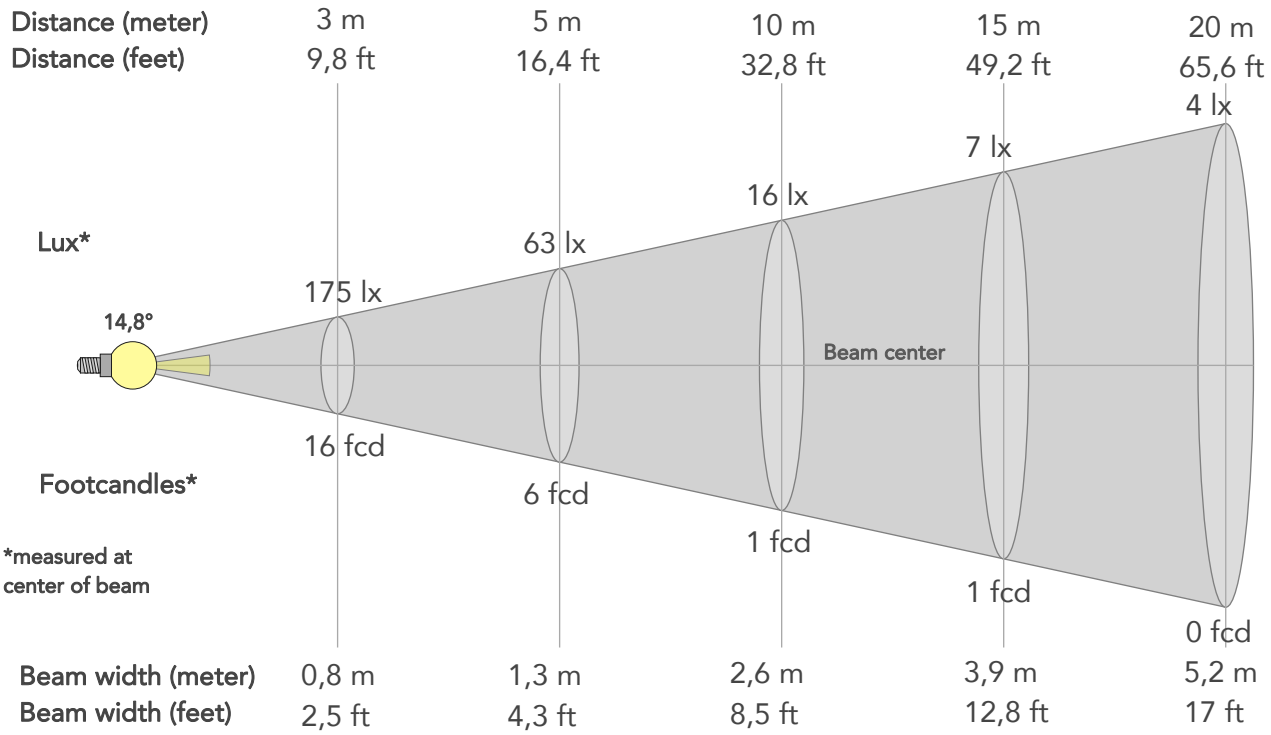
Beam angle 50%: 14,8°
Field angle 10%: 27,2°
Cut off angle 2.5%: 41,4°

Spectra



BEAM DETAILS

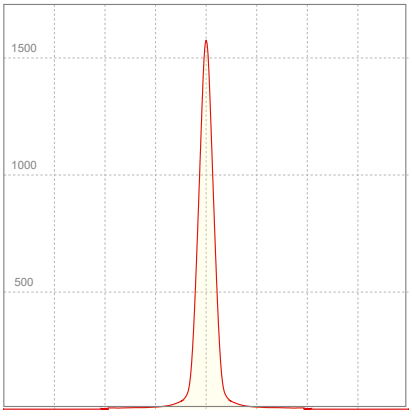
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,8°	27,2°	41,4°	90,2%	84,8%



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	1571lx	393lx	175lx	98lx	63lx	28lx	16lx	7lx	4lx	3lx	2lx	1lx	1lx
Footcand.	146fcd	36fcd	16fcd	9fcd	6fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	1,9m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13m
Beam wid.	0,9ft	1,7ft	2,5ft	3,4ft	4,3ft	6,4ft	8,5ft	12,8ft	17ft	21,3ft	25,6ft	34,1ft	42,6ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

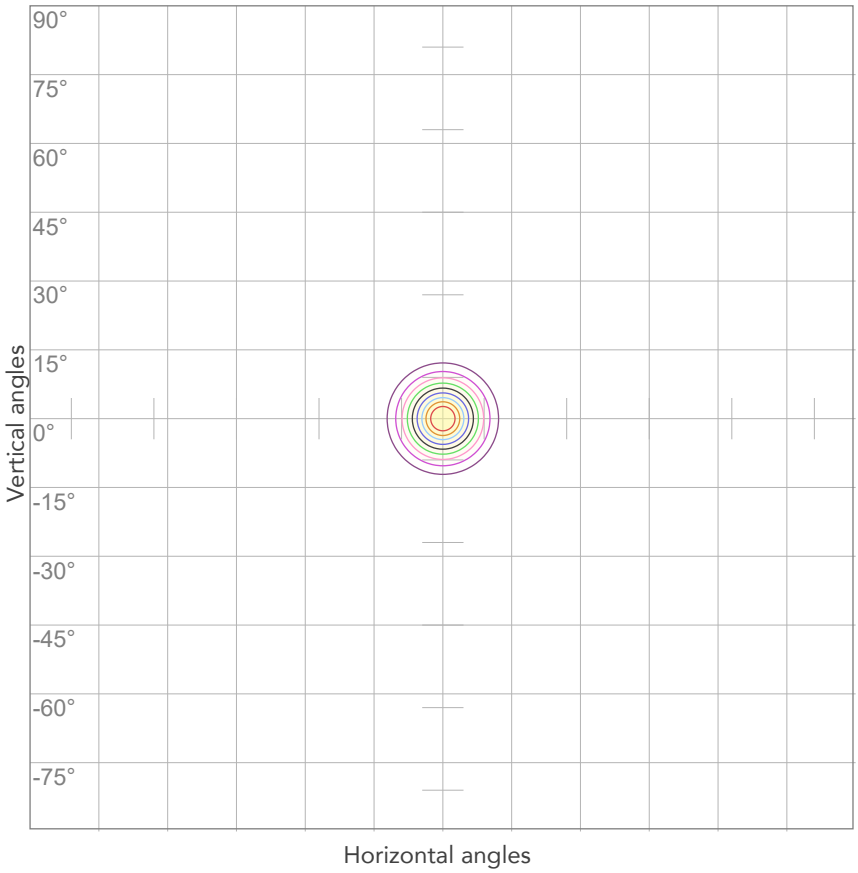
Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,053A	5,2W	0,43	33lm/W

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

prolights.it
info@prolights.it

ISO DIAGRAMS

ISO CANDELA DIAGRAM



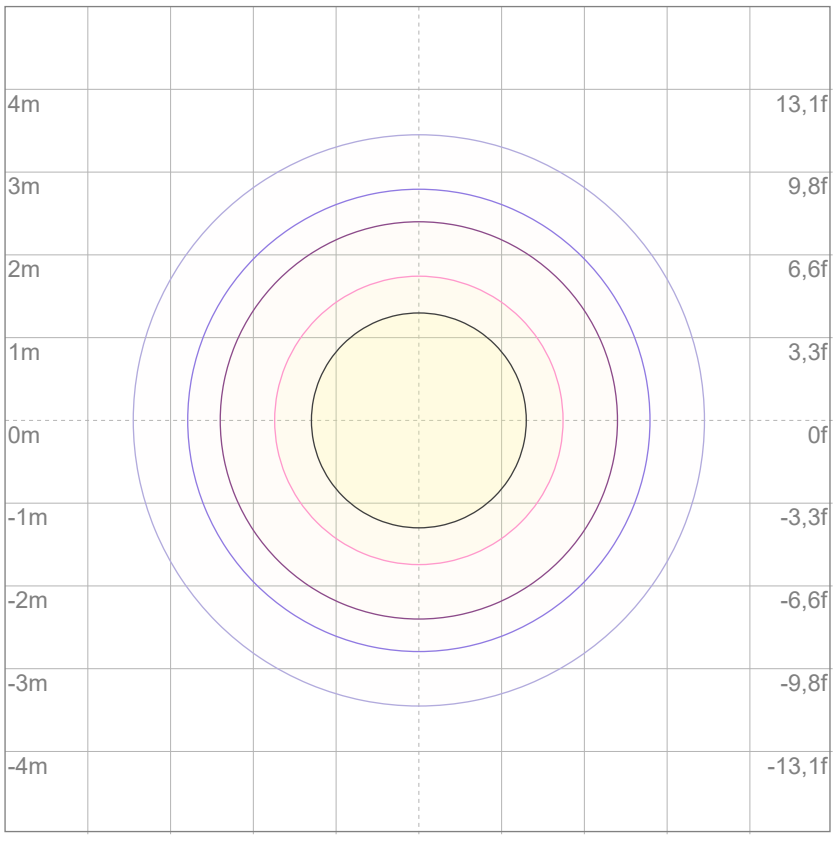
10%	157 cd
20%	314 cd
30%	471 cd
40%	629 cd
50%	786 cd
60%	943 cd
70%	1100 cd
80%	1257 cd

Conditions:

Number of c-planes: 2

Candela at center: 1571 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,471 lx
5%	0,786 lx
10%	1,57 lx
30%	4,71 lx
50%	7,86 lx

Conditions:

Number of c-planes: 2

Lux at center: 15,7 lx

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

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

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info@prolights.it

Total lumen output:

363 lm

Peak candela output:

3813 cd

PRODUCT NAME:

ARCSPOTXSFC

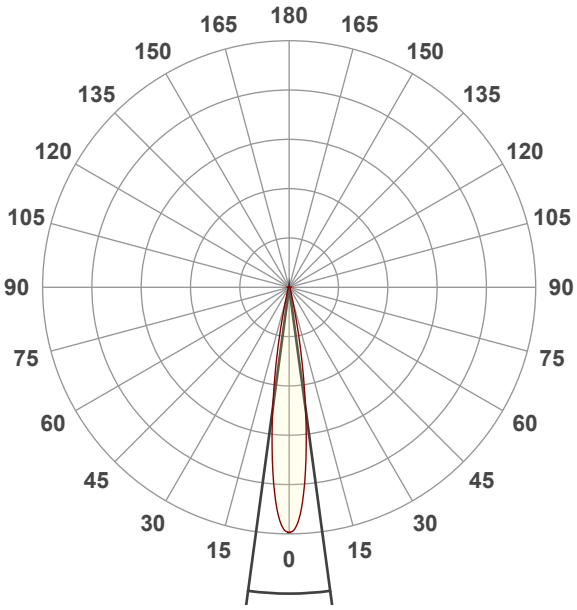
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Green

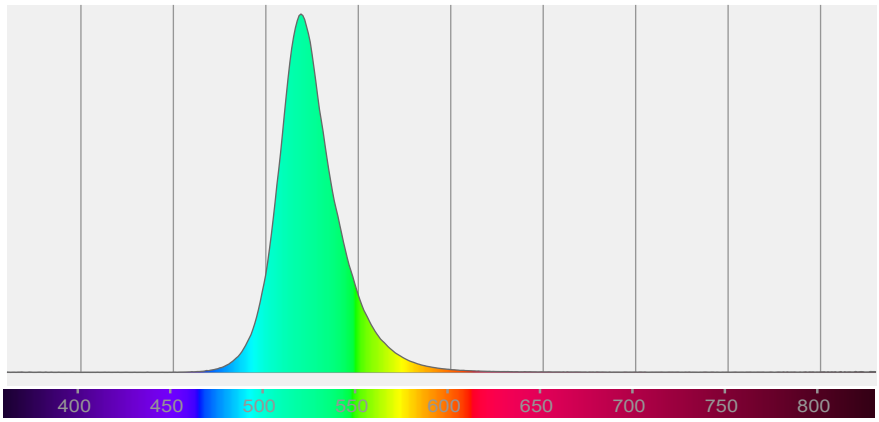
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:01:12



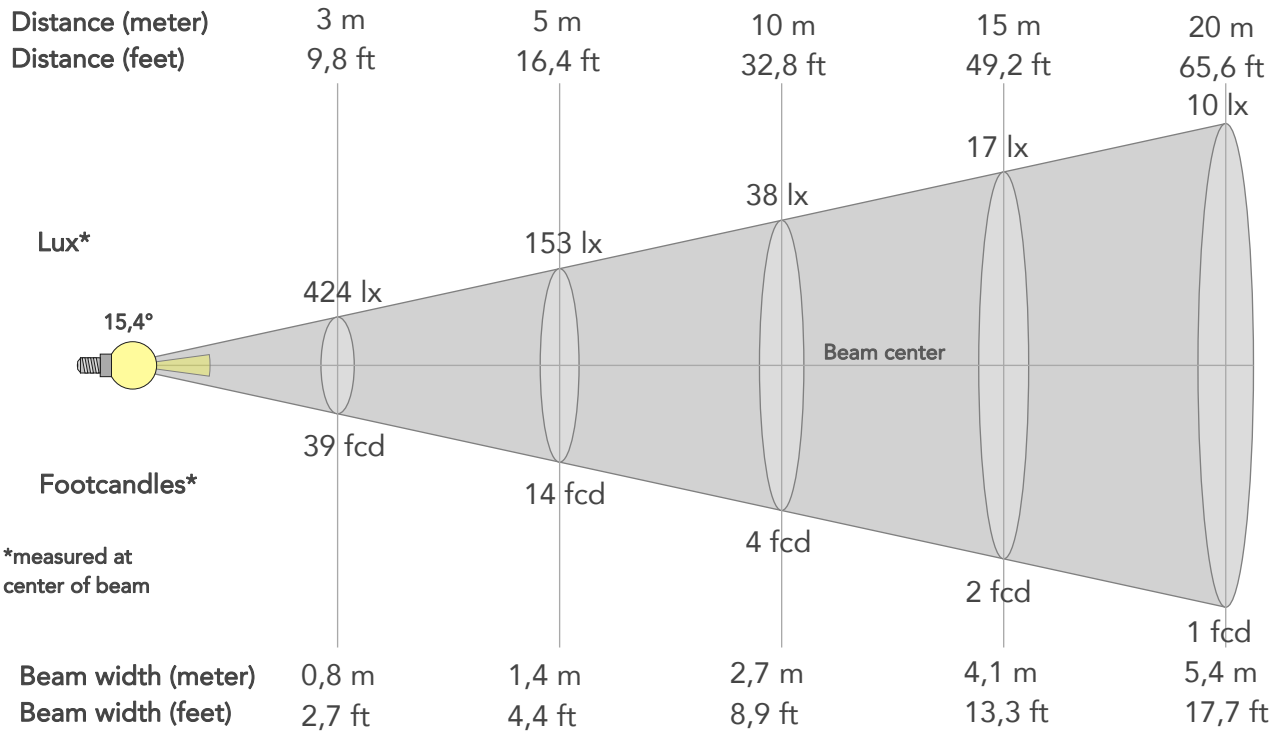
Beam angle 50%: 15,4°
Field angle 10%: 26,1°
Cut off angle 2.5%: 38,4°

Spectra



BEAM DETAILS

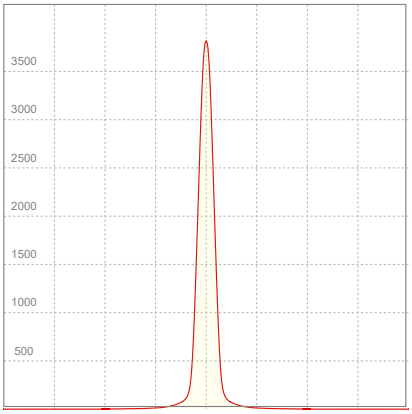
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,4°	26,1°	38,4°	97,3%	94,3%



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	3813lx	953lx	424lx	238lx	153lx	68lx	38lx	17lx	10lx	6lx	4lx	2lx	2lx
Footcand.	354fcd	89fcd	39fcd	22fcd	14fcd	6fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2m	2,7m	4,1m	5,4m	6,8m	8,1m	10,8m	13,5m
Beam wid.	0,9ft	1,8ft	2,7ft	3,5ft	4,4ft	6,7ft	8,9ft	13,3ft	17,7ft	22,2ft	26,6ft	35,5ft	44,4ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

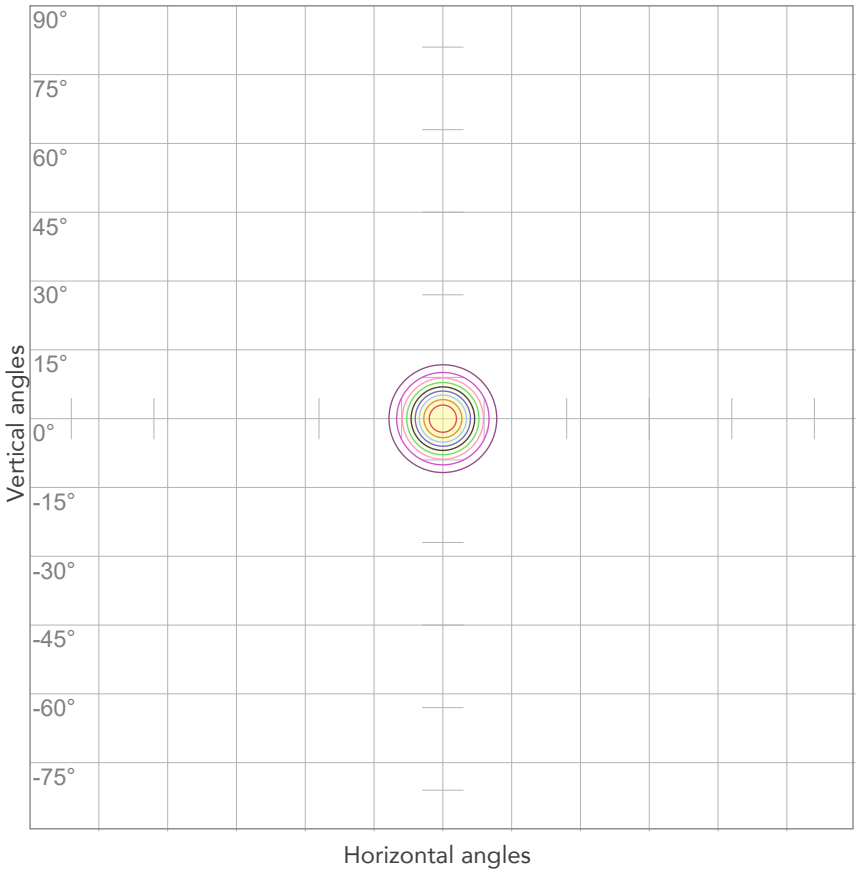
Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,060A	6,6W	0,48	55lm/W

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

prolights.it
info@prolights.it

ISO DIAGRAMS

ISO CANDELA DIAGRAM



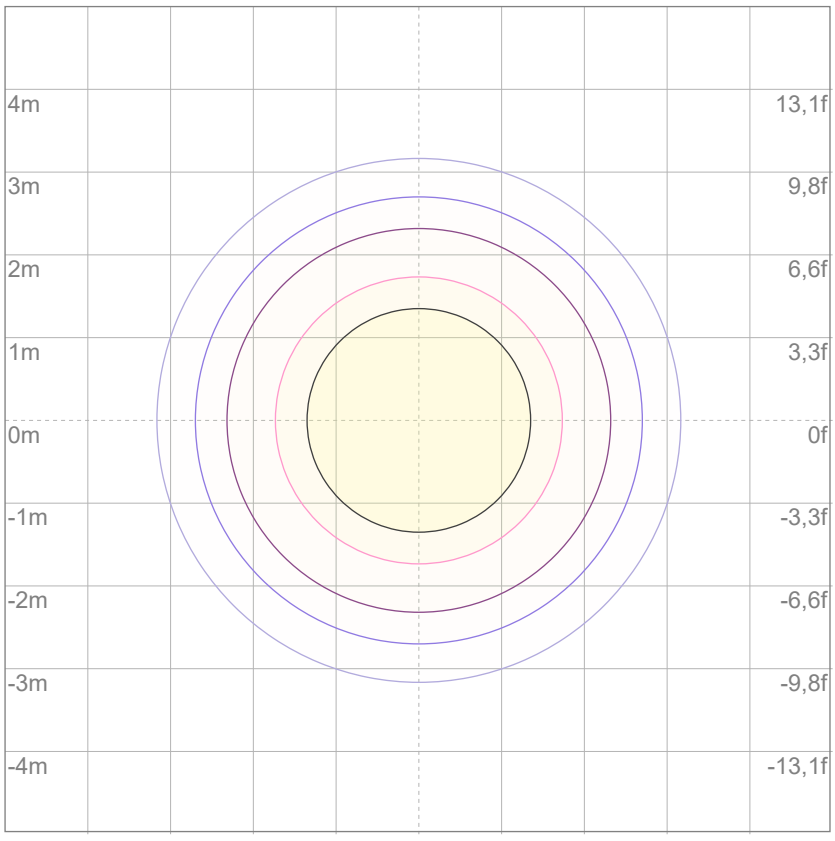
10%	381 cd
20%	763 cd
30%	1144 cd
40%	1525 cd
50%	1907 cd
60%	2288 cd
70%	2669 cd
80%	3050 cd

Conditions:

Number of c-planes: 2

Candela at center: 3813 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,14 lx
5%	1,91 lx
10%	3,81 lx
30%	11,4 lx
50%	19,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 38,1 lx

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

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

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Total lumen output:

104 lm

Peak candela output:

711 cd

PRODUCT NAME:

ARCSPOTXSFC

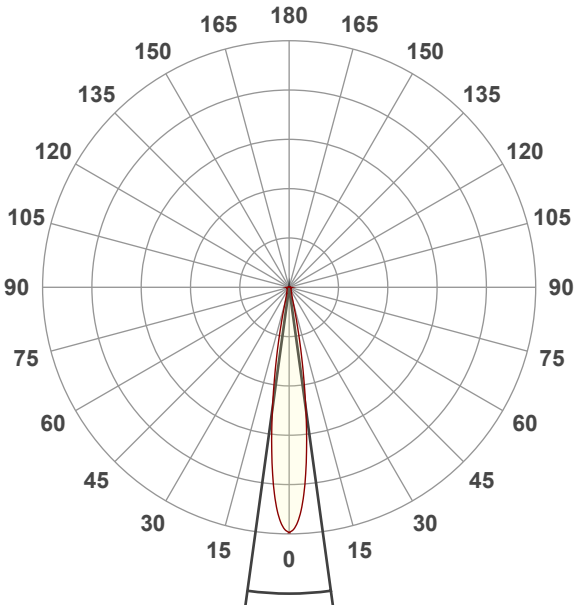
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
Blue

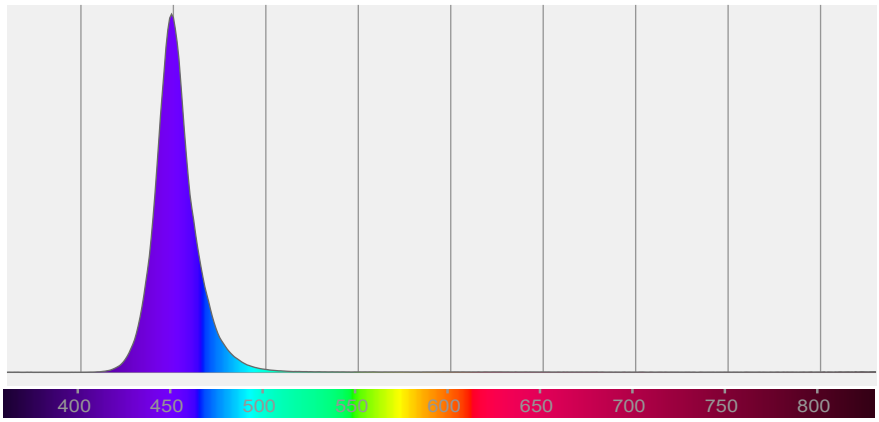
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:02:55



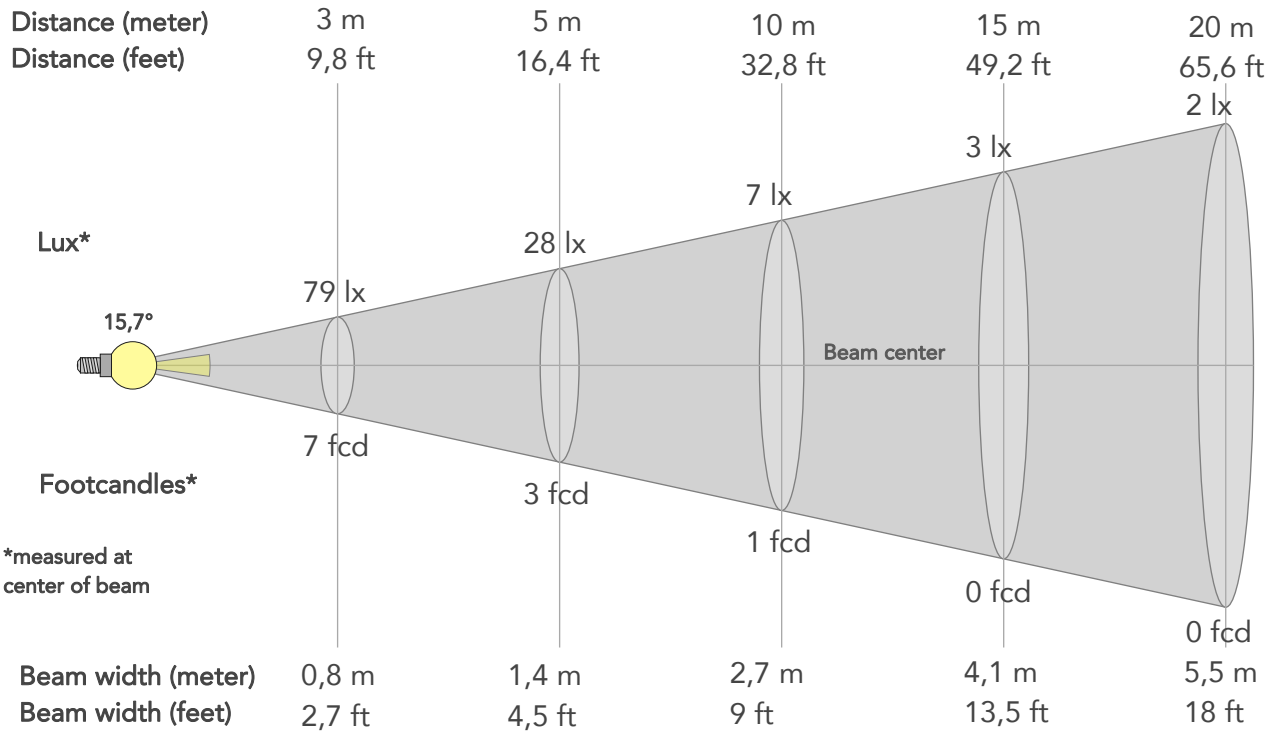
Beam angle 50%: 15,7°
Field angle 10%: 27,1°
Cut off angle 2.5%: 45,3°

Spectra



BEAM DETAILS

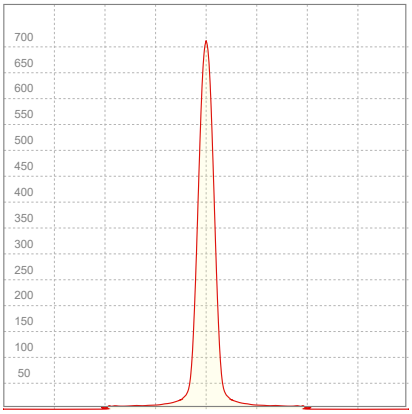
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,7°	27,1°	45,3°	81,3%	72,4%



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	711lx	178lx	79lx	44lx	28lx	13lx	7lx	3lx	2lx	1lx	1lx	0lx	0lx
Footcand.	66fcd	17fcd	7fcd	4fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,4m	2,1m	2,7m	4,1m	5,5m	6,9m	8,2m	11m	13,7m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,8ft	9ft	13,5ft	18ft	22,5ft	27ft	36,1ft	45,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,062A	6,9W	0,48	15lm/W

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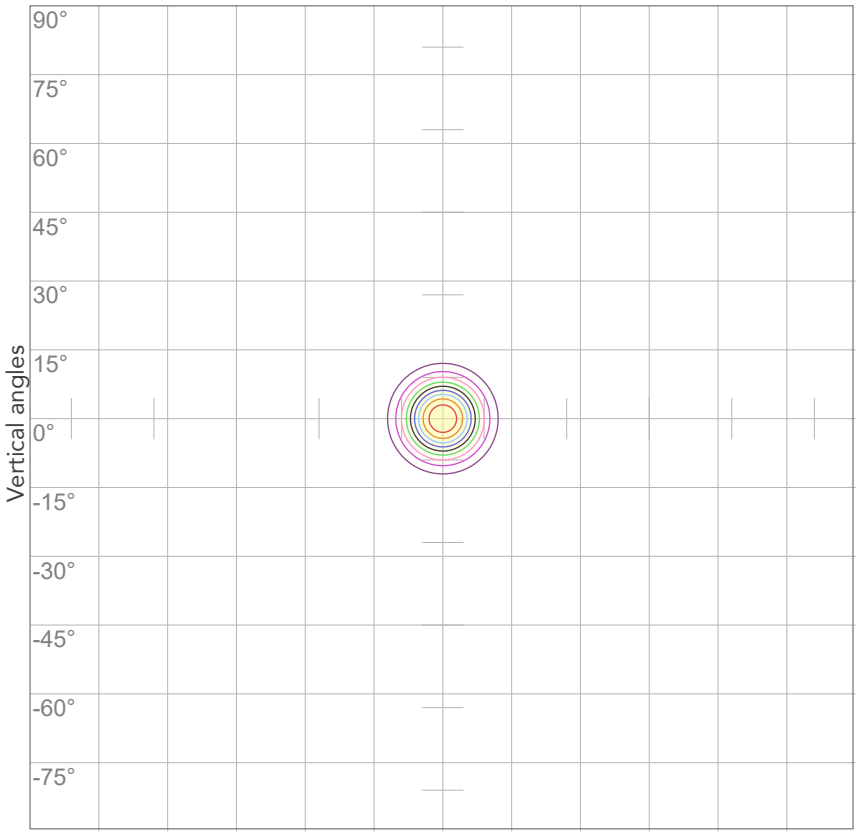
ISO DIAGRAMS

ISO CANDELA DIAGRAM



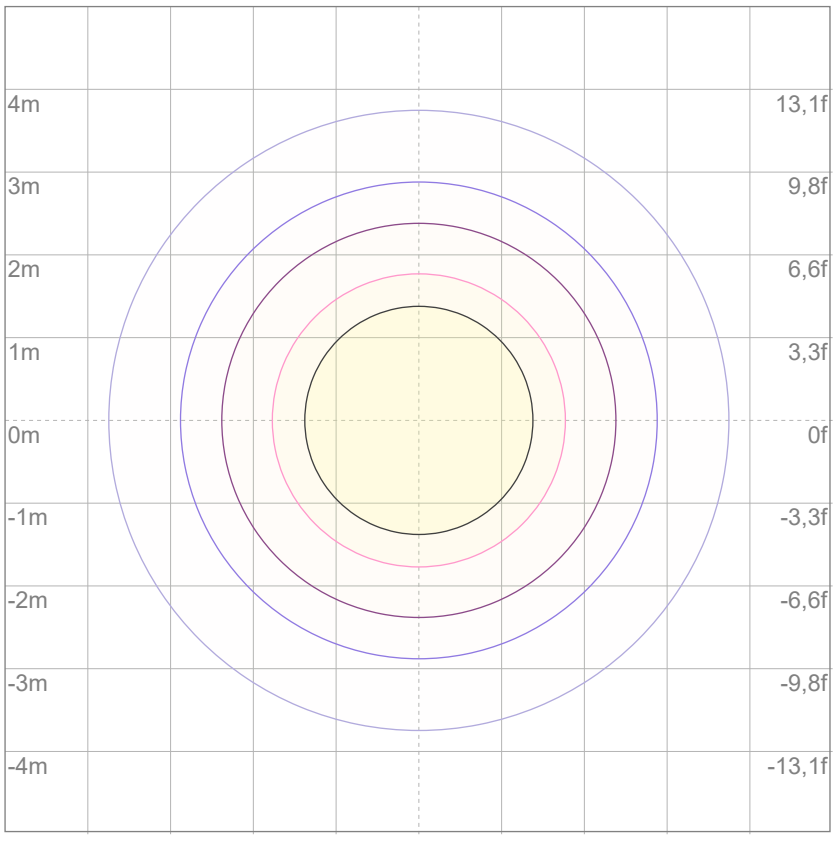
10%	71 cd
20%	142 cd
30%	213 cd
40%	284 cd
50%	355 cd
60%	427 cd
70%	498 cd
80%	569 cd

Conditions:

Number of c-planes: 2

Candela at center: 711 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	0,213 lx
5%	0,355 lx
10%	0,711 lx
30%	2,13 lx
50%	3,55 lx

Conditions:

Number of c-planes: 2

Lux at center: 7,11 lx

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

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Total lumen output:

409 lm

Peak candela output:

4401 cd

Light quality:

CRI: 83,1

Color temperature:

2946 K

PRODUCT NAME:

ARCSPOTXSFC

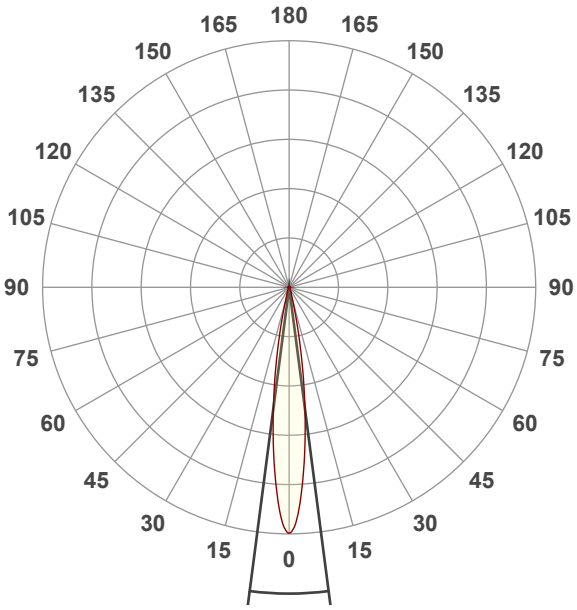
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
White

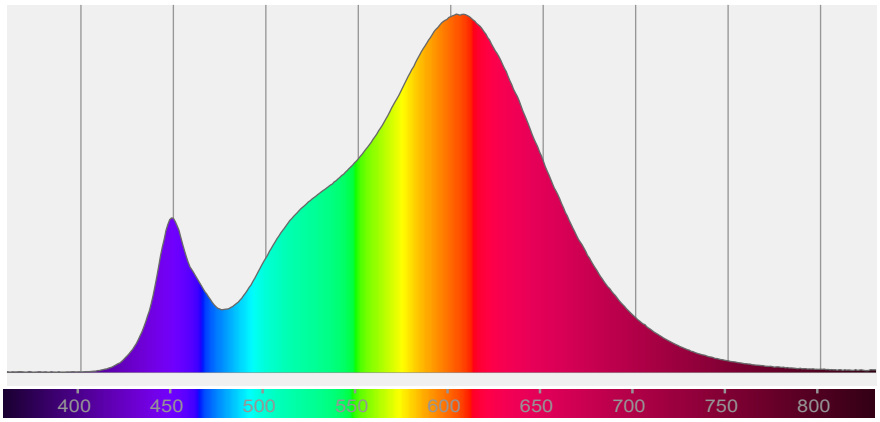
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:04:27

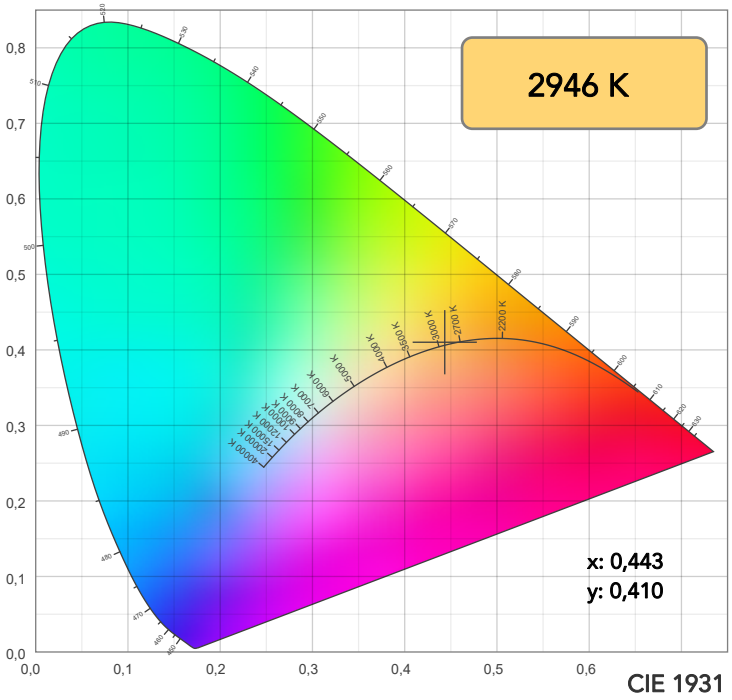


Beam angle 50%: 14,8°
Field angle 10%: 26,9°
Cut off angle 2.5%: 39°

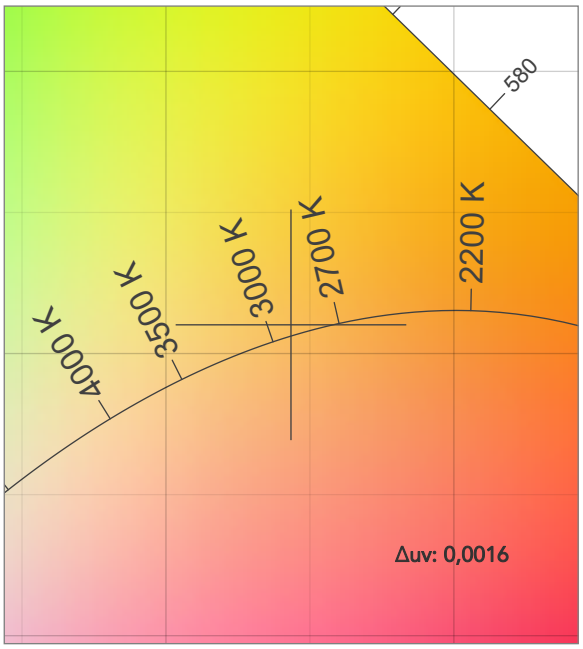
Spectra



COLOR DETAILS

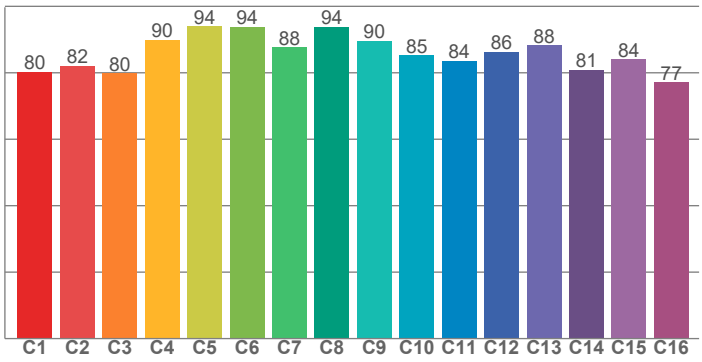


CIE 1931

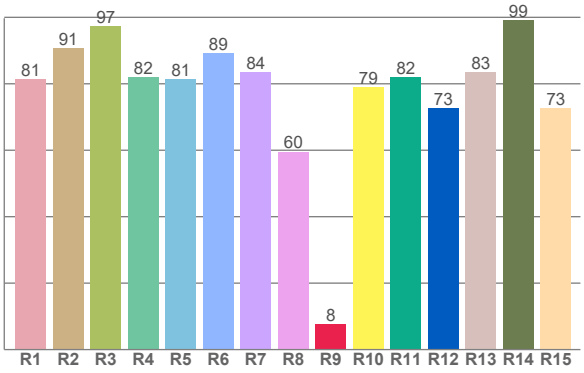


CIE 1931 ZOOM

TM30: 85,9



CRI: 83,1 (R1-R8)



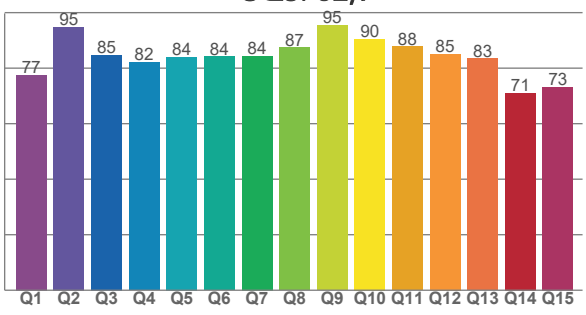
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
81,3	90,6	97,3	82,0	81,4	89,3	83,6	59,6	7,7	79,0	81,9	72,7	83,4	99,0	72,6

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
80,3	82,0	79,8	90,0	94,0	93,9	87,7	93,9	89,6	85,3	83,6	86,3	88,2	80,9	84,1	77,1

CQS: 82,9



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,5	94,8	84,7	82,1	84,0	84,2	84,3	87,5	95,4	90,5	87,8	85,1	83,4	71,1	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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2946 K	83,1	7,7	85,9	95,6	82,9	69	0,443	0,410	0,0016

TM30 DETAILS

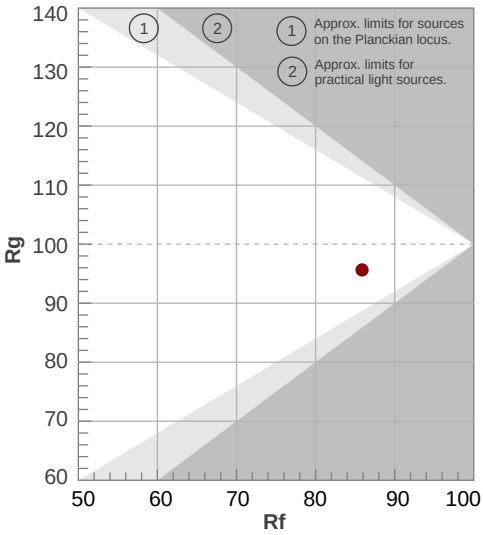
Rf 85,9

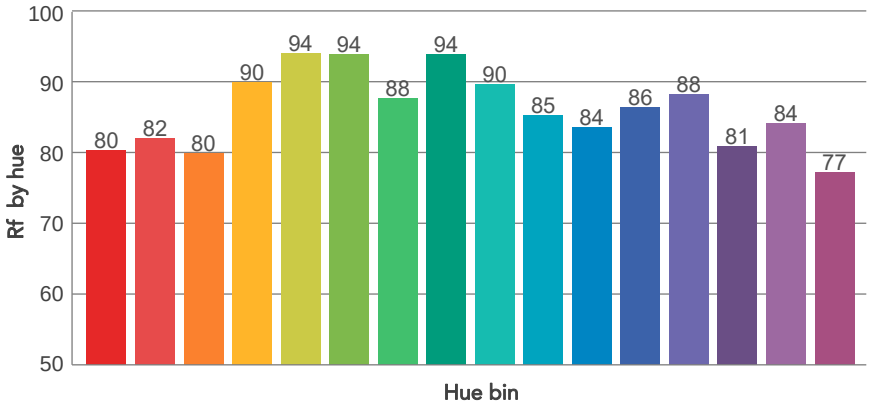
Fidelity index Rf

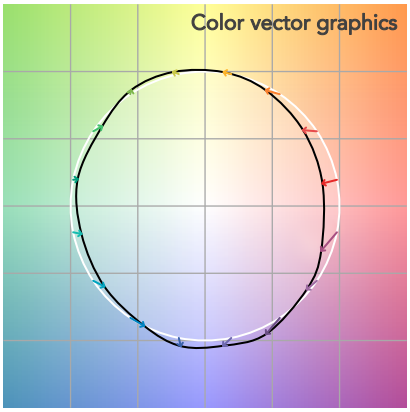
Rg 95,6

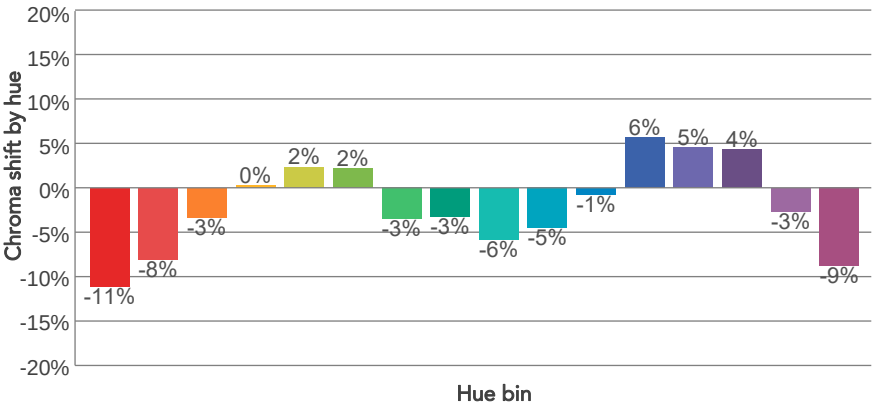
Gammut index

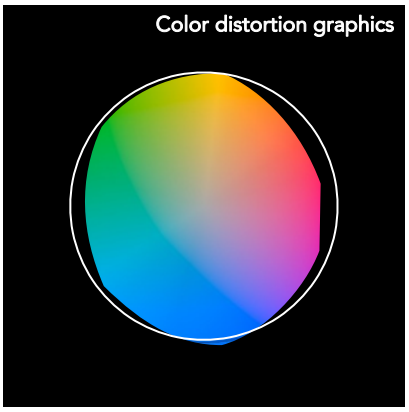
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	80	-11%	-1%
2	82	-8%	6%
3	80	-3%	10%
4	90	0%	6%
5	94	2%	4%
6	94	2%	-2%
7	88	-3%	-7%
8	94	-3%	-1%
9	90	-6%	2%
10	85	-5%	8%
11	84	-1%	12%
12	86	6%	3%
13	88	5%	-7%
14	81	4%	-15%
15	84	-3%	-9%
16	77	-9%	-16%

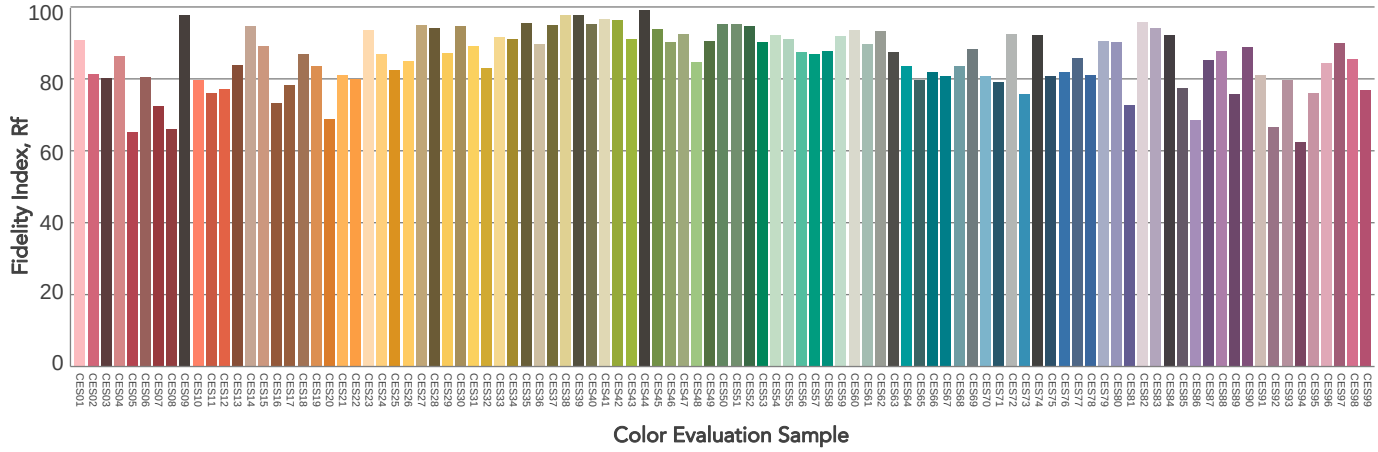












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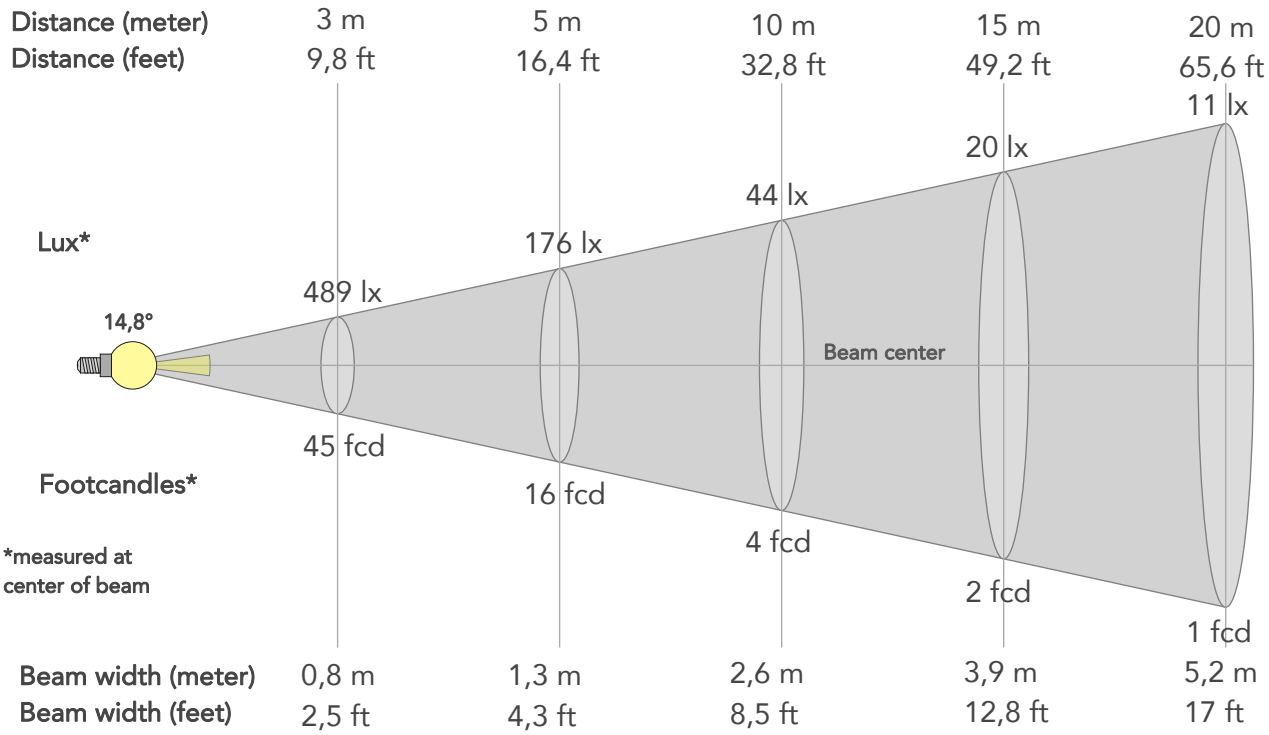
BEAM DETAILS

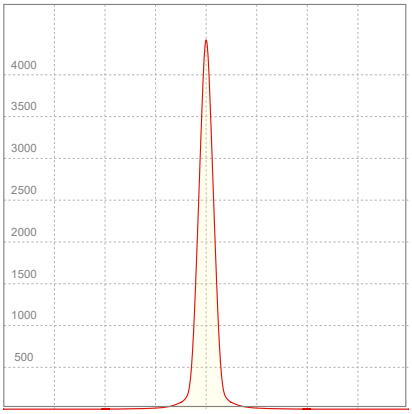
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,8°	26,9°	39°	98,0%	95,3%



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	4401lx	1100lx	489lx	275lx	176lx	78lx	44lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	409fcd	102fcd	45fcd	26fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	1,9m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13m
Beam wid.	0,9ft	1,7ft	2,5ft	3,4ft	4,3ft	6,4ft	8,5ft	12,8ft	17ft	21,3ft	25,6ft	34,1ft	42,6ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,074A	8,5W	0,5	48lm/W

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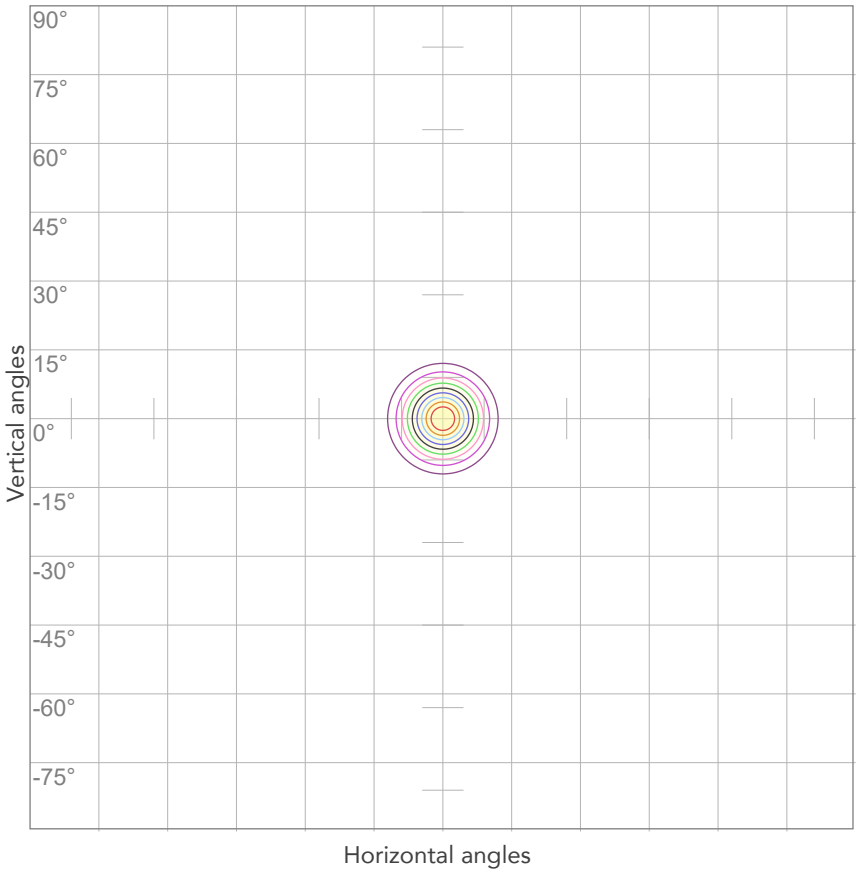
ISO DIAGRAMS

ISO CANDELA DIAGRAM



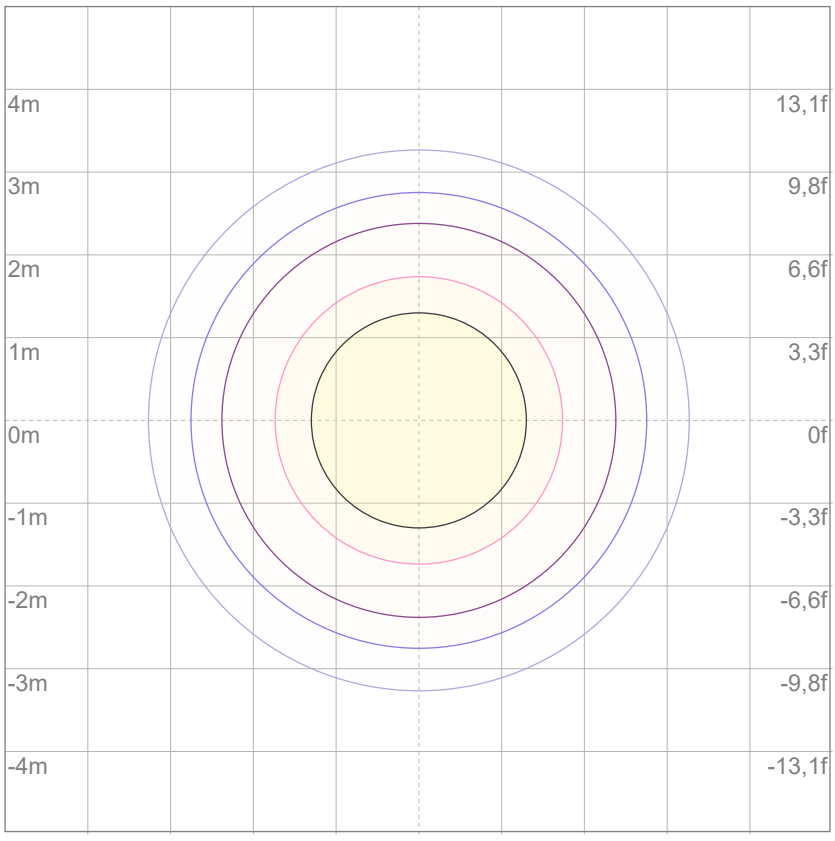
10%	440 cd
20%	880 cd
30%	1320 cd
40%	1761 cd
50%	2201 cd
60%	2641 cd
70%	3081 cd
80%	3521 cd

Conditions:

Number of c-planes: 2

Candela at center: 4401 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,32 lx
5%	2,20 lx
10%	4,40 lx
30%	13,2 lx
50%	22,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 44,0 lx

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

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Total lumen output:

557 lm

Peak candela output:

5886 cd

Light quality:

CRI: 88,2

Color temperature:

2849 K

PRODUCT NAME:

ARCSPOTXSFC

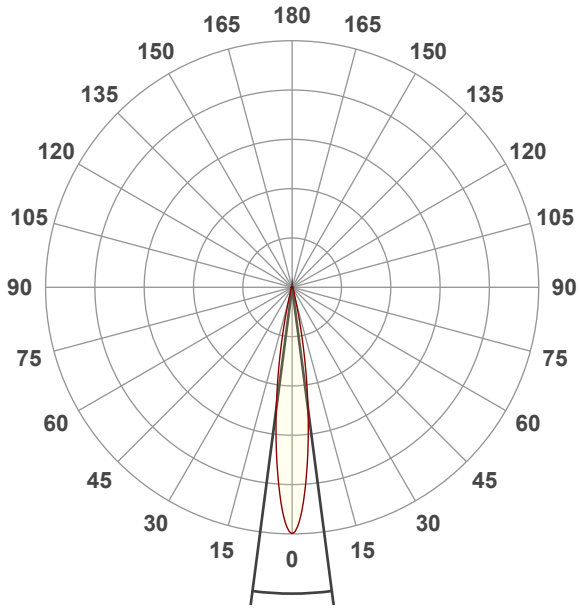
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
2800K

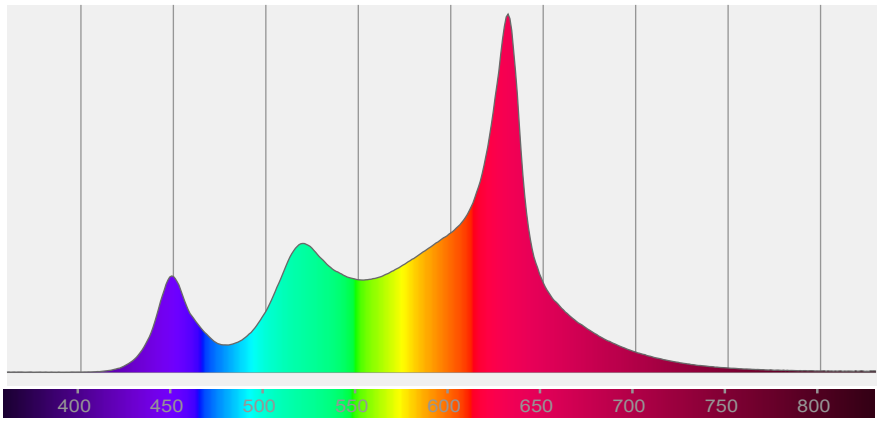
Operator:
Salvatore Giglio

Date and time:
23/05/2024 12:14:40

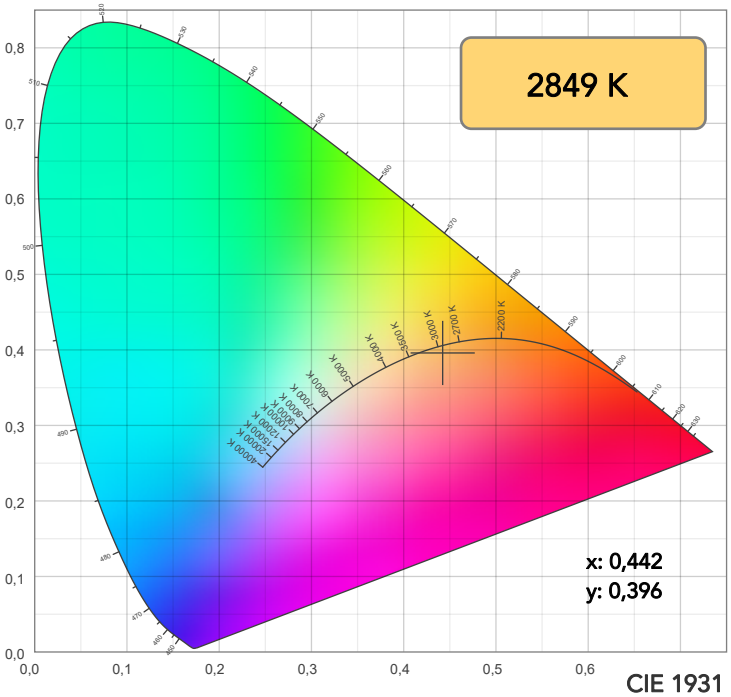


Beam angle 50%: 14,9°
Field angle 10%: 26,8°
Cut off angle 2.5%: 39,1°

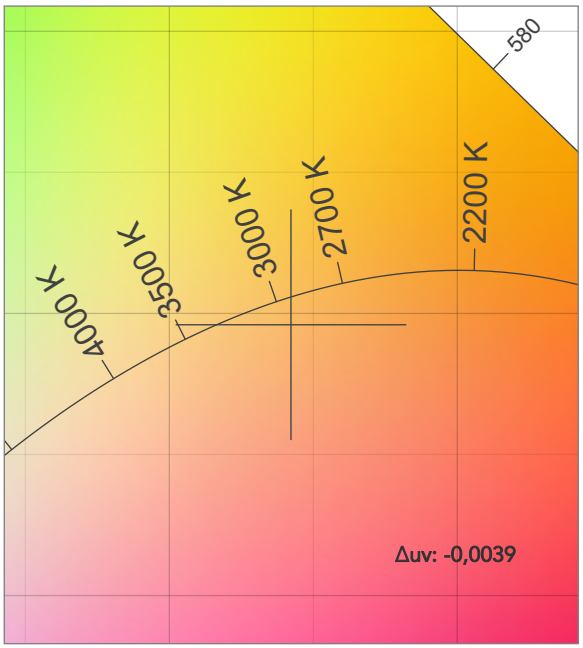
Spectra



COLOR DETAILS

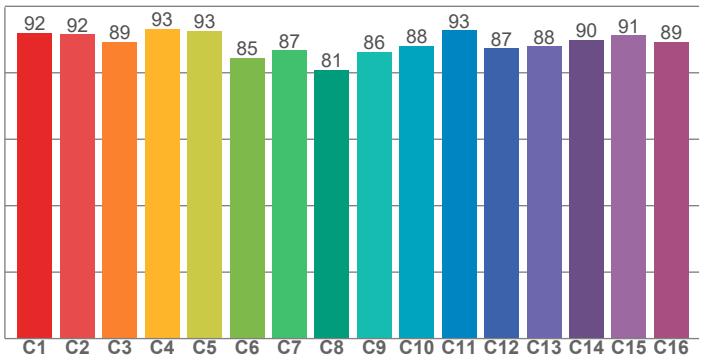


CIE 1931

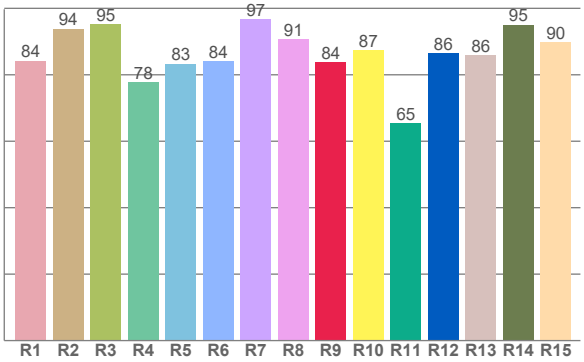


CIE 1931 ZOOM

TM30: 89,7



CRI: 88,2 (R1-R8)



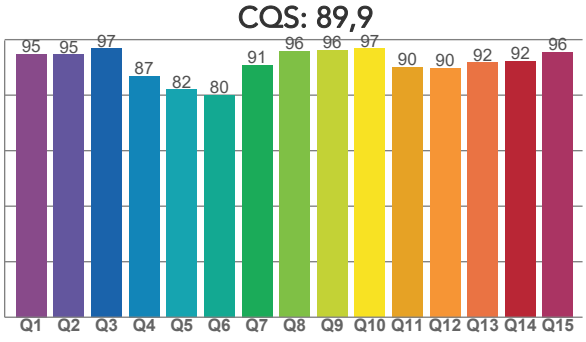
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84,3	93,9	95,2	77,8	83,3	84,1	96,8	90,6	83,8	87,3	65,3	86,5	85,8	95,0	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
92,0	91,5	89,3	93,2	92,6	84,6	86,8	80,9	86,4	88,0	92,8	87,4	88,0	90,0	91,2	89,4

CQS: 89,9



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,8	94,6	96,7	86,9	82,0	80,0	90,9	95,8	96,2	96,8	90,1	89,8	91,8	92,2	95,5

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2849 K	88,2	83,8	89,7	108,6	89,9	73	0,442	0,396	-0,0039

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04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

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TM30 DETAILS

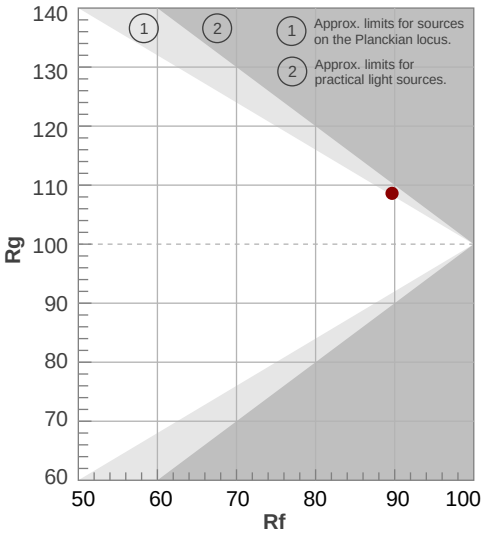
Rf 89,7

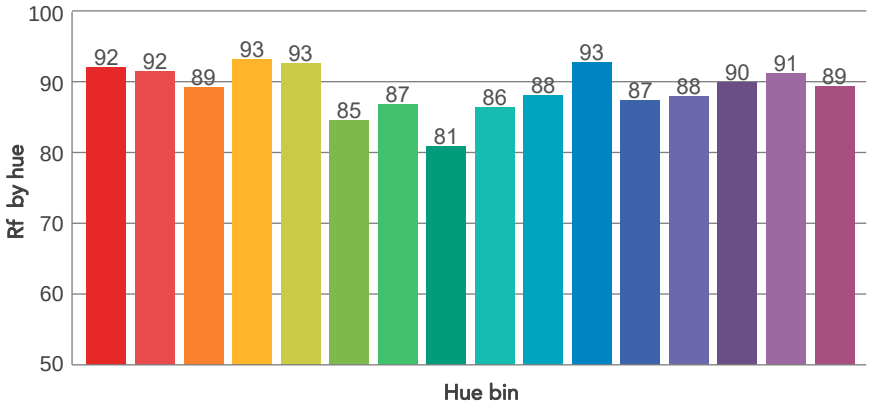
Fidelity index Rf

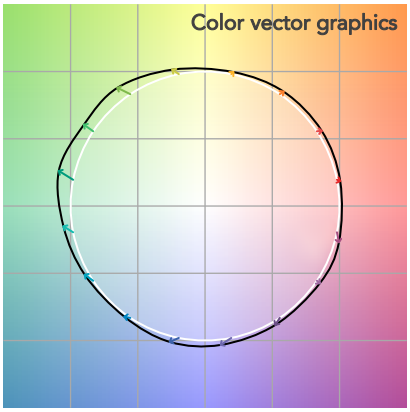
Rg 108,6

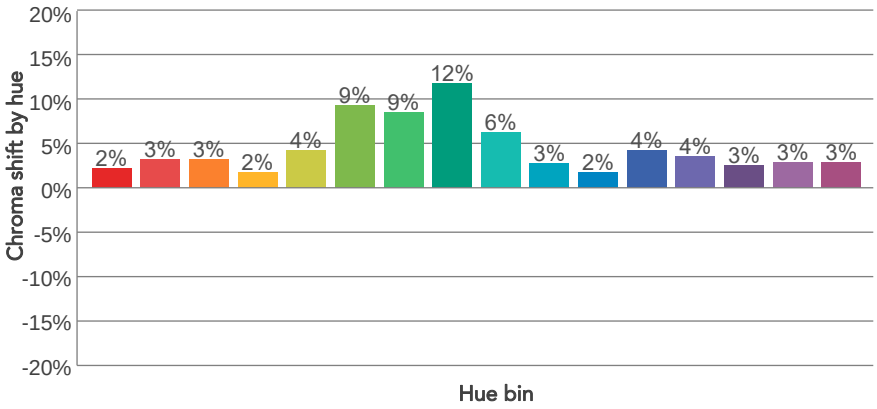
Gammut index

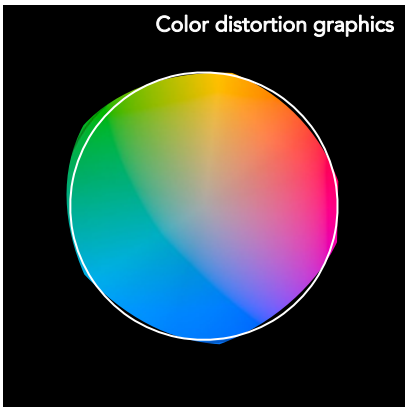
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	92	2%	-1%
2	92	3%	-2%
3	89	3%	-1%
4	93	2%	-1%
5	93	4%	4%
6	85	9%	5%
7	87	9%	0%
8	81	12%	-4%
9	86	6%	-6%
10	88	3%	-7%
11	93	2%	-4%
12	87	4%	-6%
13	88	4%	-9%
14	90	3%	-6%
15	91	3%	0%
16	89	3%	-7%

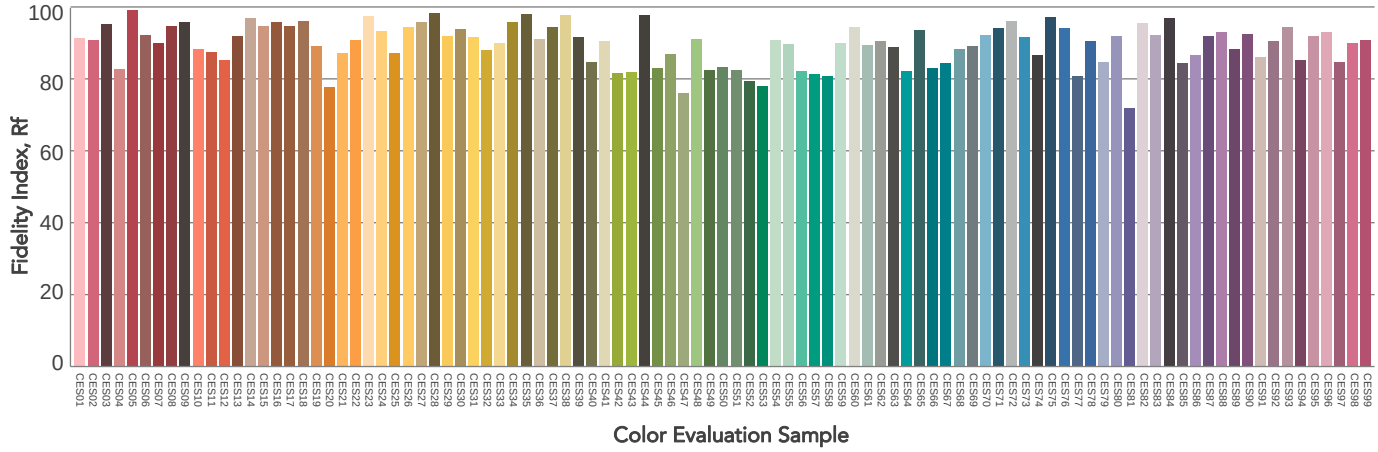












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04026 - Minturno (LT) ITALY
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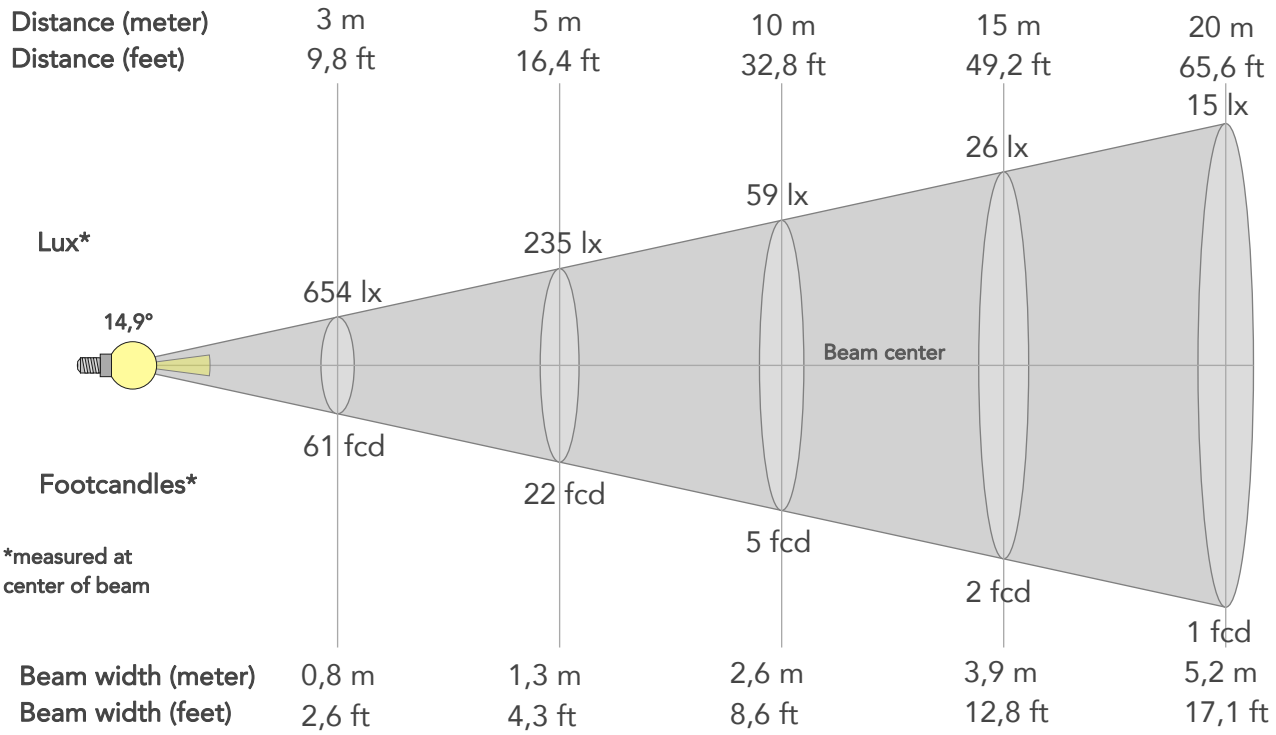
BEAM DETAILS

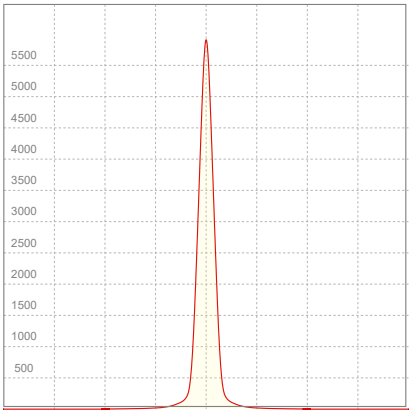
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,9°	26,8°	39,1°	97,1%	94,1%



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	5886lx	1472lx	654lx	368lx	235lx	105lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	547fcd	137fcd	61fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	2m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13,1m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,4ft	8,6ft	12,8ft	17,1ft	21,4ft	25,7ft	34,3ft	42,8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
229V	0,097A	12,0W	0,54	47lm/W

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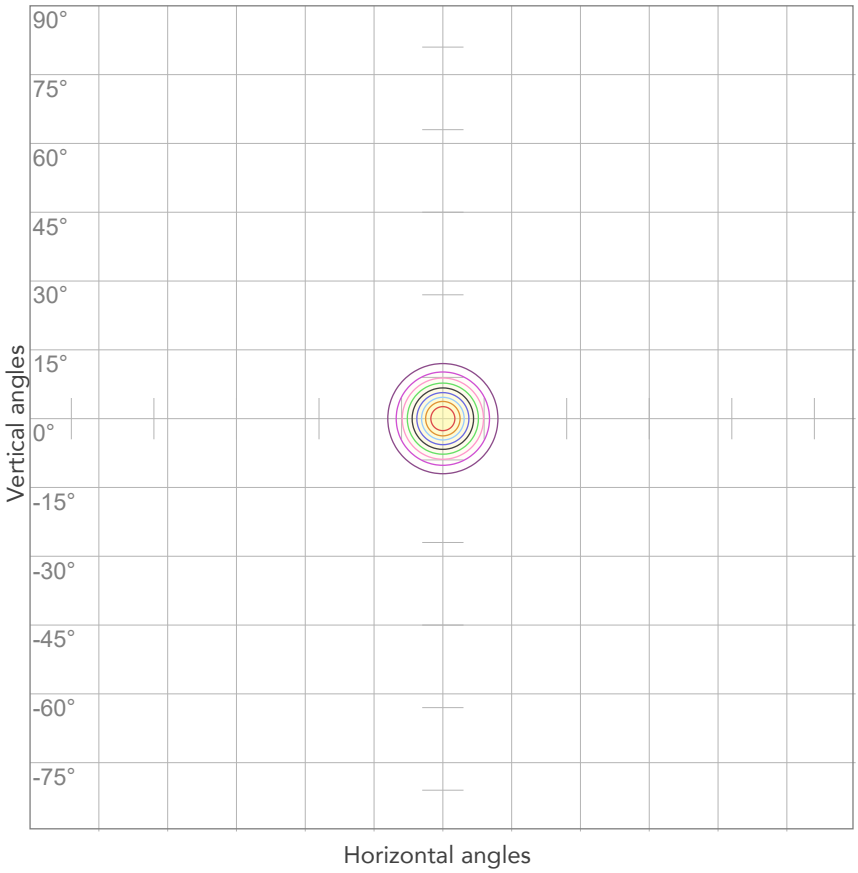
ISO DIAGRAMS

ISO CANDELA DIAGRAM



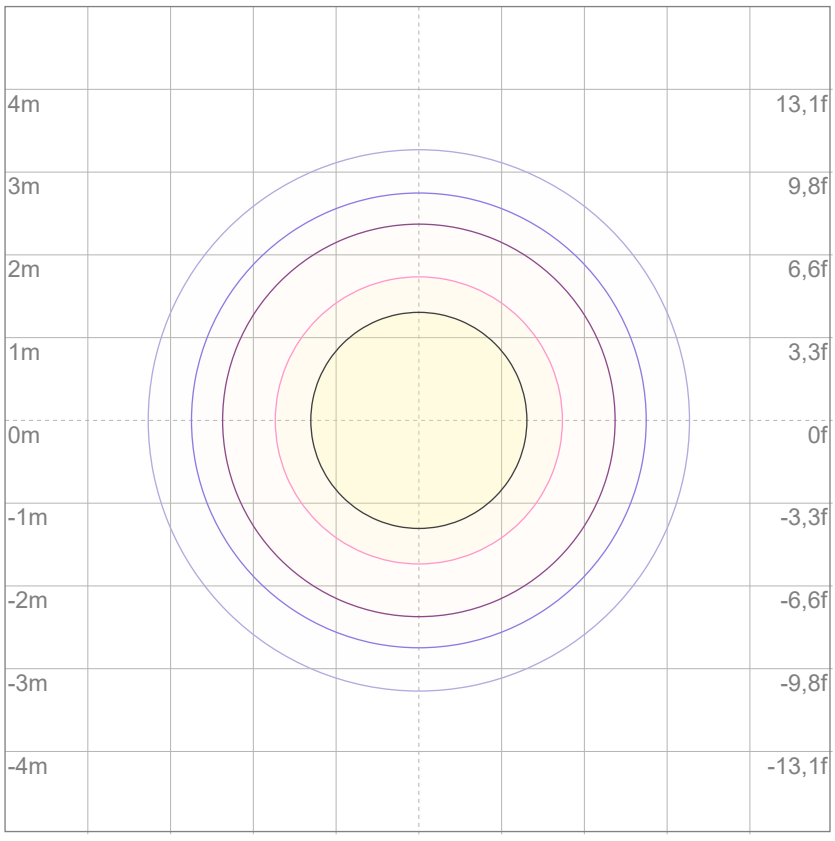
10%	589 cd
20%	1177 cd
30%	1766 cd
40%	2354 cd
50%	2943 cd
60%	3532 cd
70%	4120 cd
80%	4709 cd

Conditions:

Number of c-planes: 2

Candela at center: 5886 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,77 lx
5%	2,94 lx
10%	5,89 lx
30%	17,7 lx
50%	29,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 58,9 lx

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

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Total lumen output:

549 lm

Peak candela output:

5871 cd

Light quality:

CRI: 89,8

Color temperature:

3248 K

PRODUCT NAME:

ARCSPOTXSFC

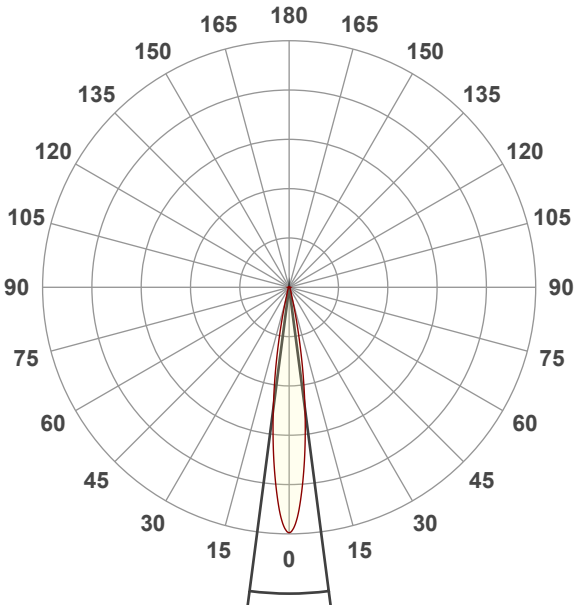
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
3200K

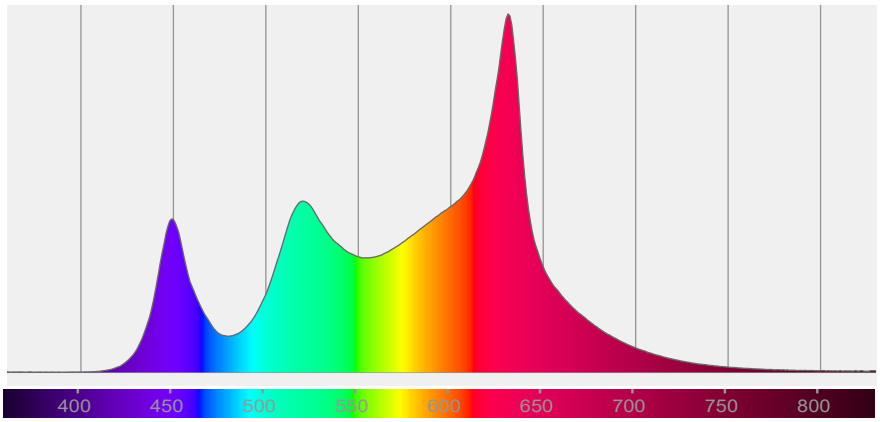
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:55:22

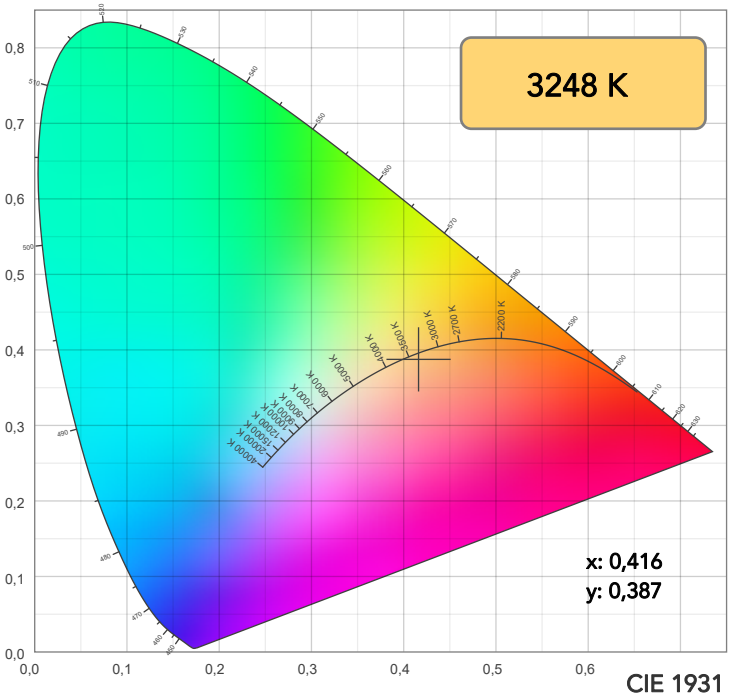


Beam angle 50%: 14,9°
Field angle 10%: 26,7°
Cut off angle 2.5%: 38,9°

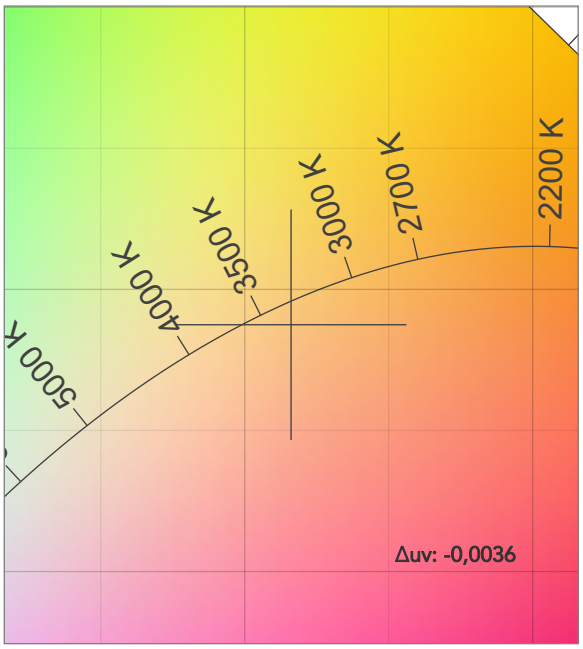
Spectra



COLOR DETAILS

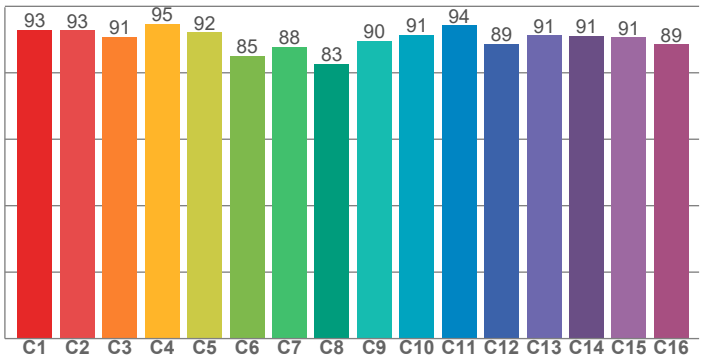


CIE 1931

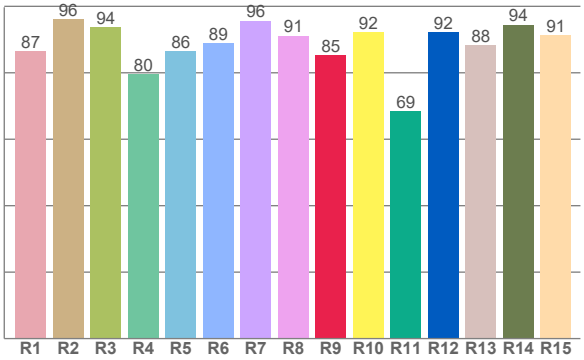


CIE 1931 ZOOM

TM30: 90,9



CRI: 89,8 (R1-R8)



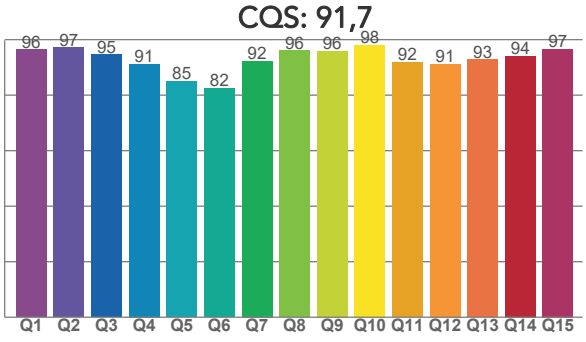
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
86,5	96,2	93,6	79,6	86,5	88,9	95,7	91,2	85,2	92,2	68,5	92,2	88,4	94,5	91,2

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	92,7	90,9	94,8	92,2	85,1	87,8	82,7	89,6	91,3	94,2	88,7	91,2	91,0	90,7	88,5

CQS: 91,7



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	97,2	94,6	91,3	85,0	82,5	92,3	96,0	95,8	98,1	91,8	91,3	92,9	94,1	96,7

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3248 K	89,8	85,2	90,9	108,2	91,7	78	0,416	0,387	-0,0036

Via A. Olivetti snc
04026 - Minturno (LT) ITALY
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TM30 DETAILS

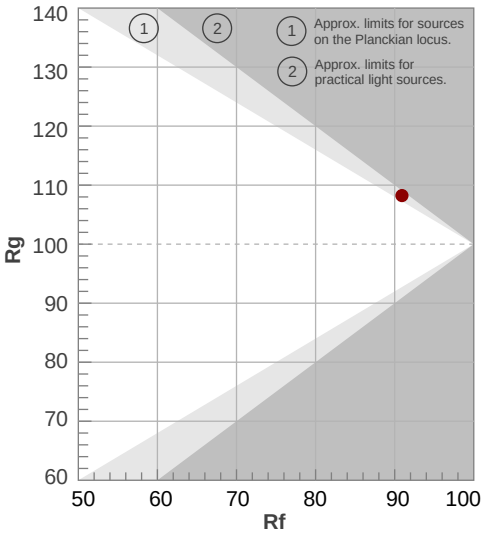
Rf 90,9

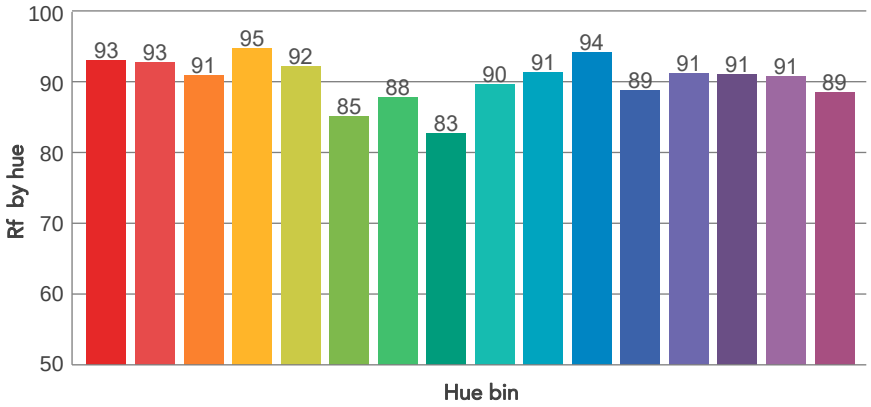
Fidelity index Rf

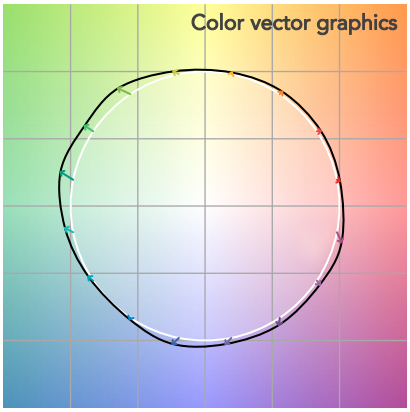
Rg 108,2

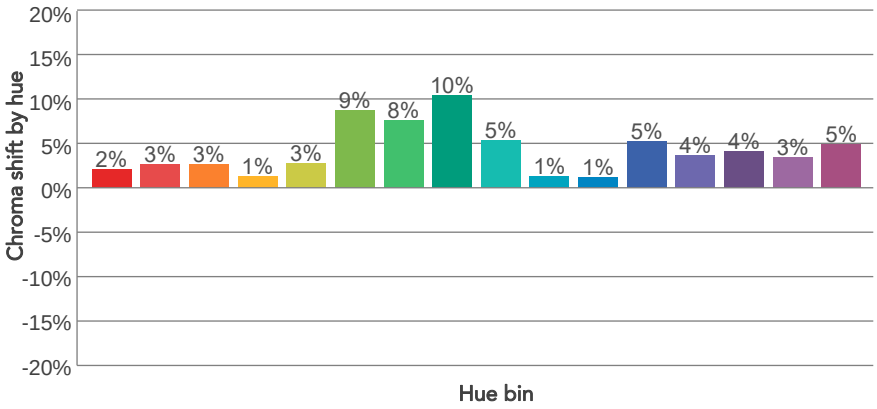
Gammut index

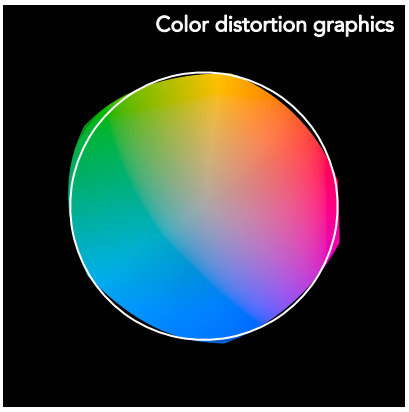
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	93	2%	-1%
2	93	3%	-1%
3	91	3%	-1%
4	95	1%	0%
5	92	3%	4%
6	85	9%	5%
7	88	8%	0%
8	83	10%	-4%
9	90	5%	-4%
10	91	1%	-5%
11	94	1%	0%
12	89	5%	-4%
13	91	4%	-5%
14	91	4%	-4%
15	91	3%	-1%
16	89	5%	-7%

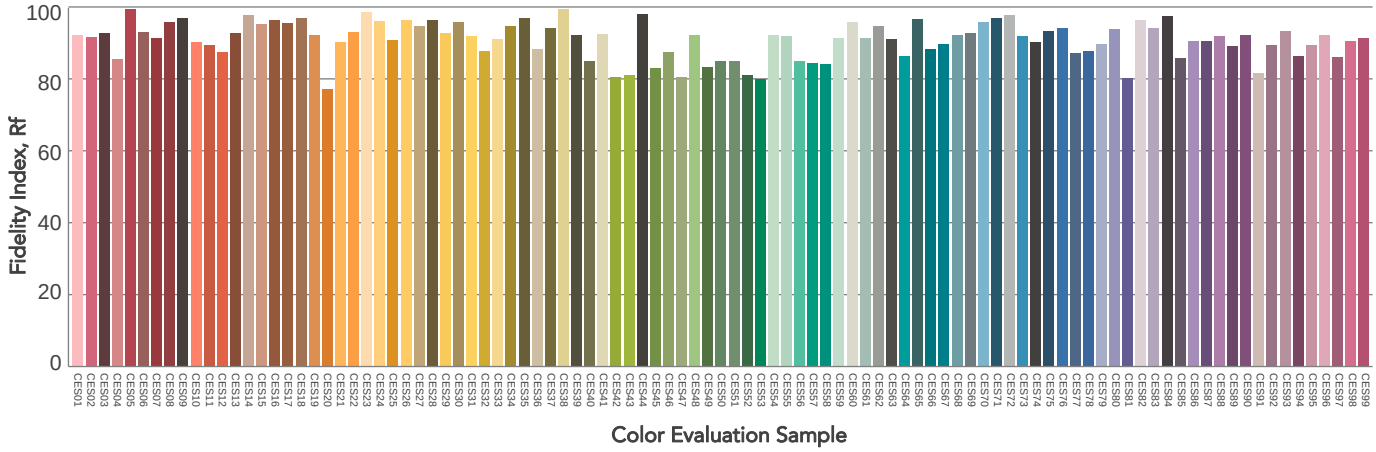












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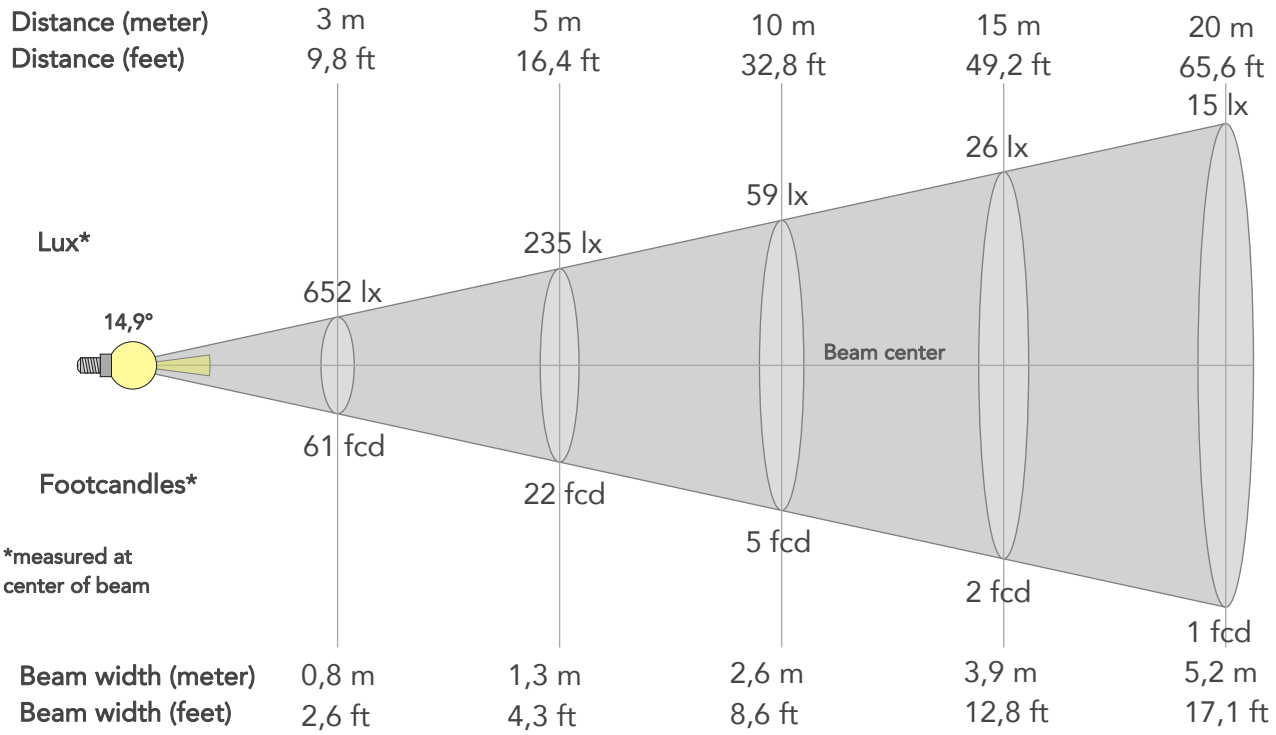
BEAM DETAILS

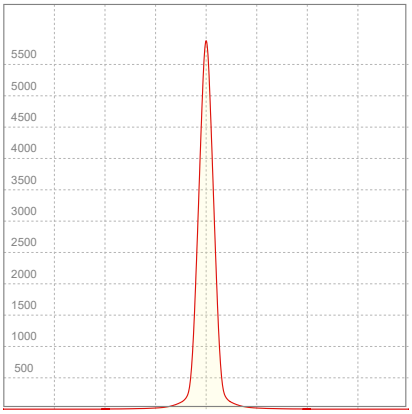
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,9°	26,7°	38,9°	97,4%	94,4%



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	5871lx	1468lx	652lx	367lx	235lx	104lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	545fcd	136fcd	61fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	2m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,4ft	8,6ft	12,8ft	17,1ft	21,4ft	25,7ft	34,2ft	42,8ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,101A	11,8W	0,51	47lm/W

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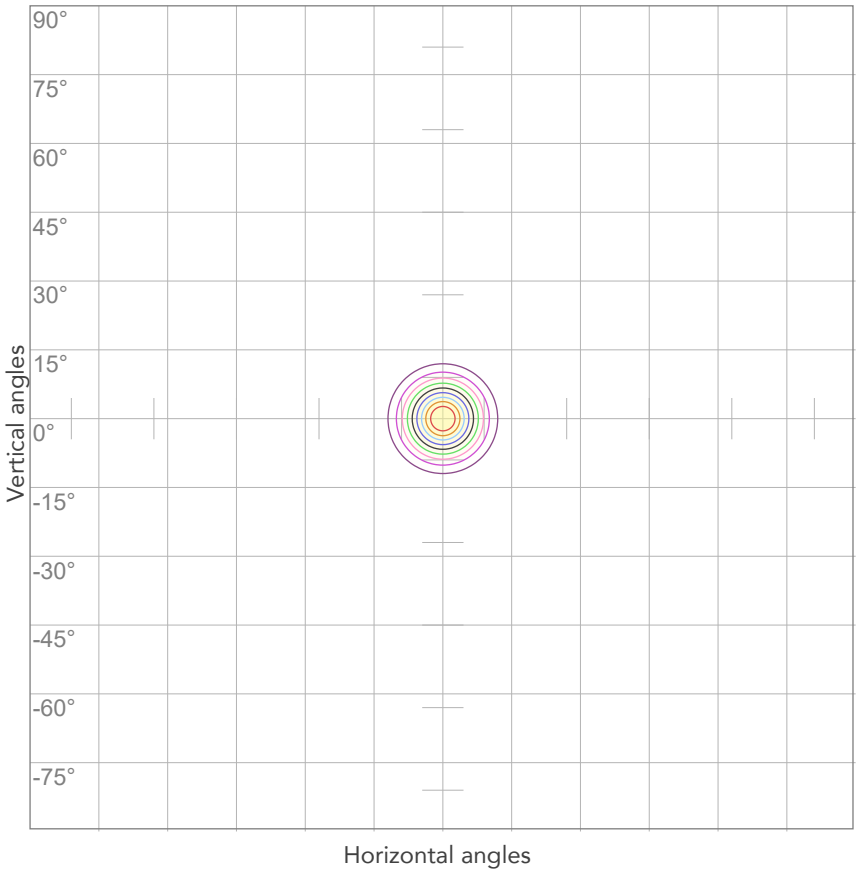
ISO DIAGRAMS

ISO CANDELA DIAGRAM



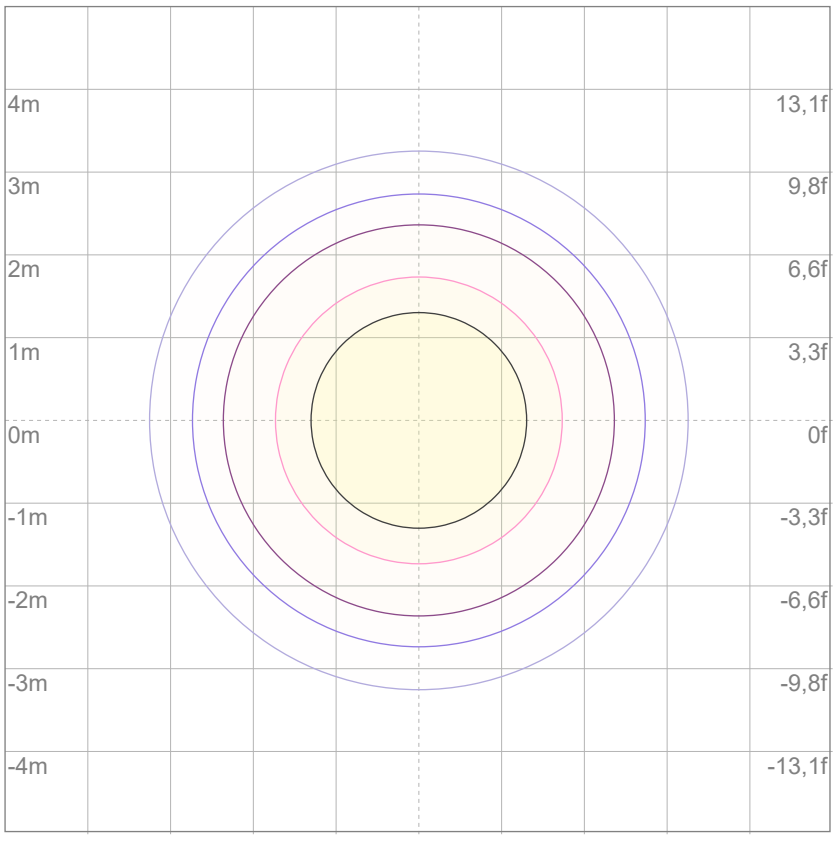
10%	587 cd
20%	1174 cd
30%	1761 cd
40%	2348 cd
50%	2935 cd
60%	3522 cd
70%	4109 cd
80%	4696 cd

Conditions:

Number of c-planes: 2

Candela at center: 5871 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,76 lx
5%	2,94 lx
10%	5,87 lx
30%	17,6 lx
50%	29,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 58,7 lx

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

Total lumen output:

576 lm

Peak candela output:

5930 cd

Light quality:

CRI: 91,7

Color temperature:

4027 K

PRODUCT NAME:

ARCSPOTXSFC

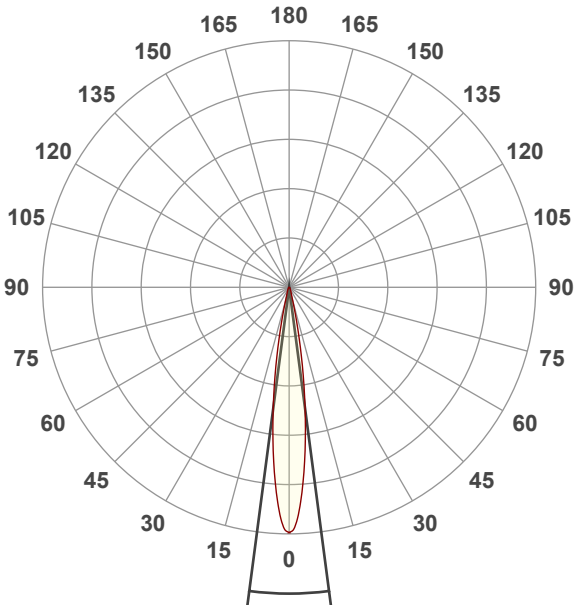
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
4000K

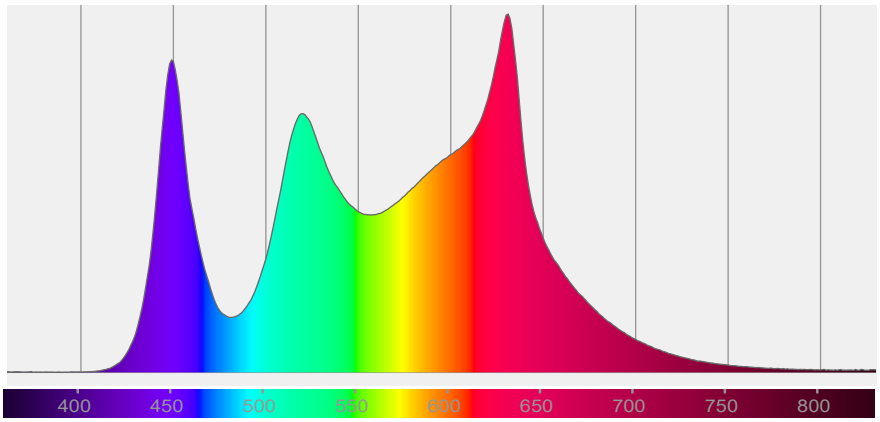
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:45:47

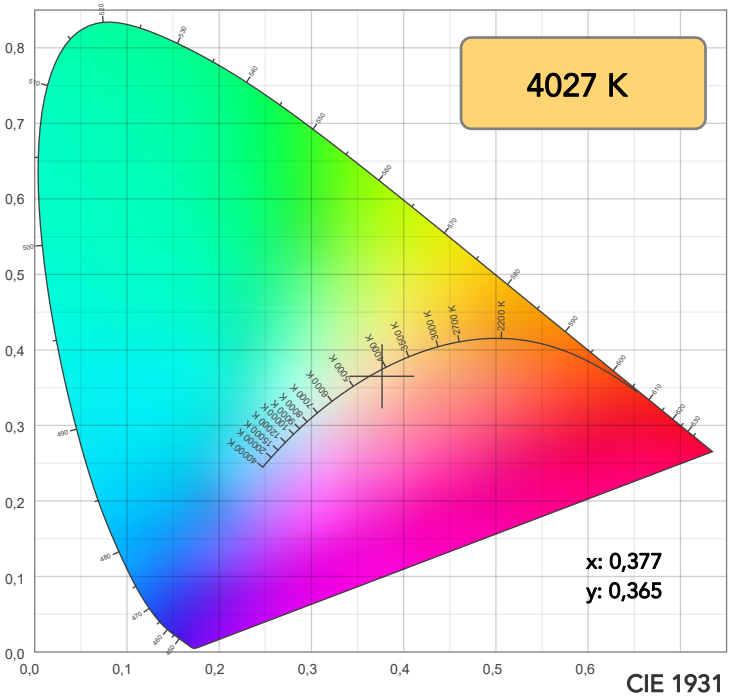


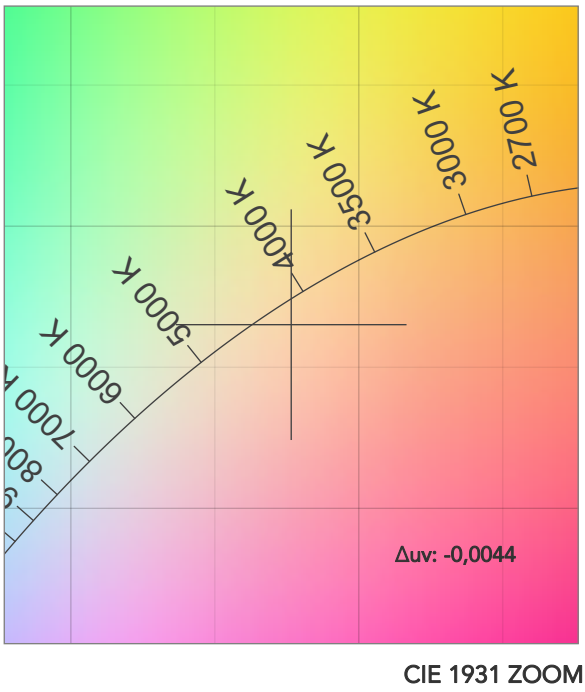
Beam angle 50%: 15°
Field angle 10%: 26,8°
Cut off angle 2.5%: 39,2°

Spectra

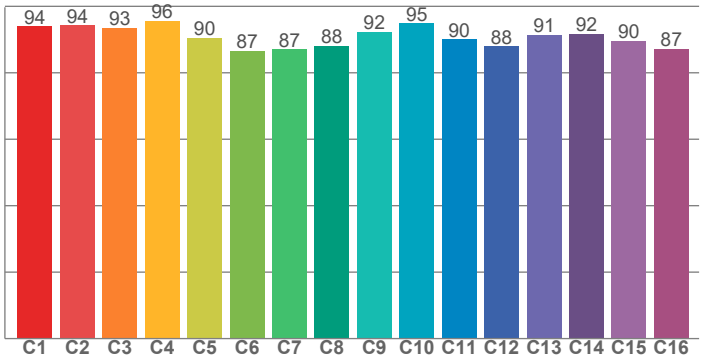


COLOR DETAILS

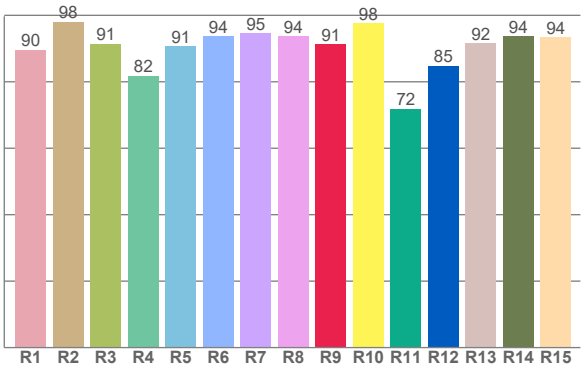




TM30: 91,3



CRI: 91,7 (R1-R8)



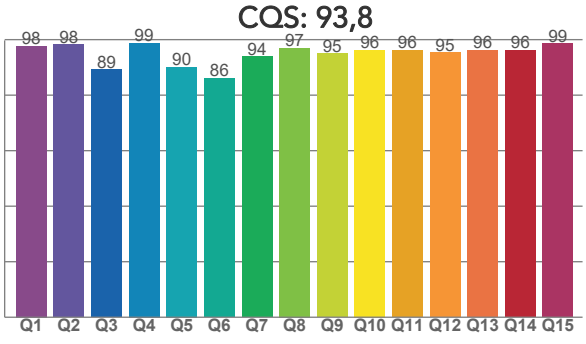
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,7	98,0	91,5	81,8	90,7	93,8	94,6	93,6	91,3	97,5	71,9	84,9	91,6	93,7	93,5

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	94,2	93,4	95,7	90,5	86,6	87,1	88,1	92,4	94,8	90,1	88,0	91,5	91,6	89,6	87,2

CQS: 93,8



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,7	98,3	89,2	98,8	90,1	86,0	93,9	97,0	94,9	96,2	96,1	95,3	96,1	96,2	98,6

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4027 K	91,7	91,3	91,3	107,6	93,8	80	0,377	0,365	-0,0044

TM30 DETAILS

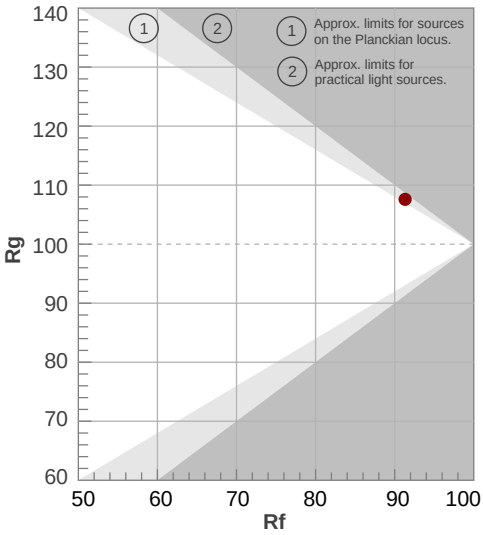
Rf 91,3

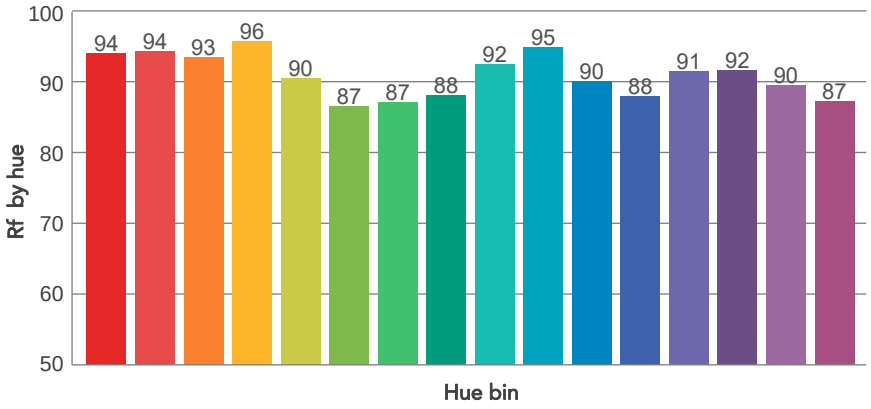
Fidelity index Rf

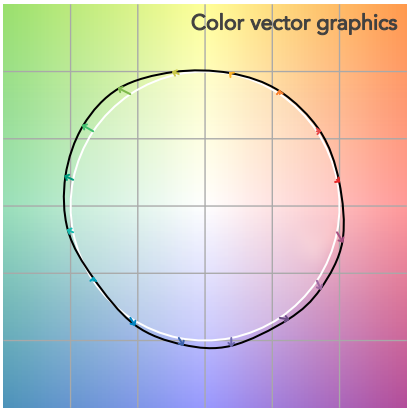
Rg 107,6

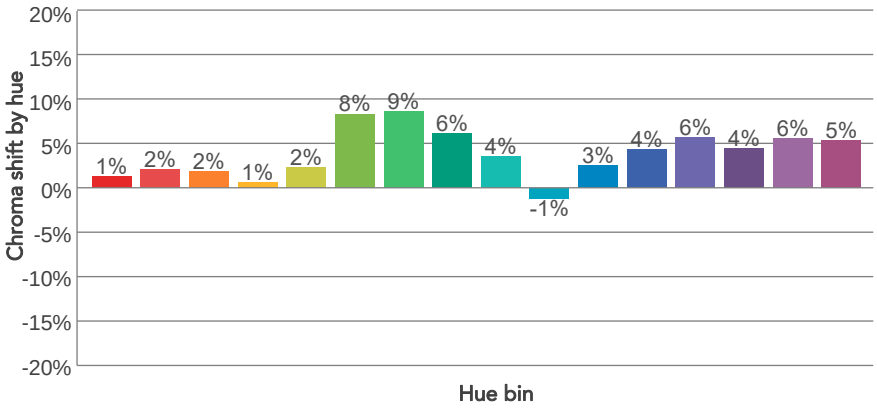
Gammut index

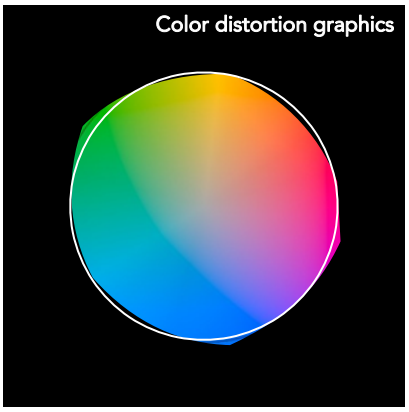
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	94	1%	-2%
2	94	2%	-1%
3	93	2%	1%
4	96	1%	1%
5	90	2%	4%
6	87	8%	5%
7	87	9%	1%
8	88	6%	-2%
9	92	4%	-2%
10	95	-1%	-2%
11	90	3%	5%
12	88	4%	4%
13	91	6%	-1%
14	92	4%	5%
15	90	6%	-3%
16	87	5%	-6%

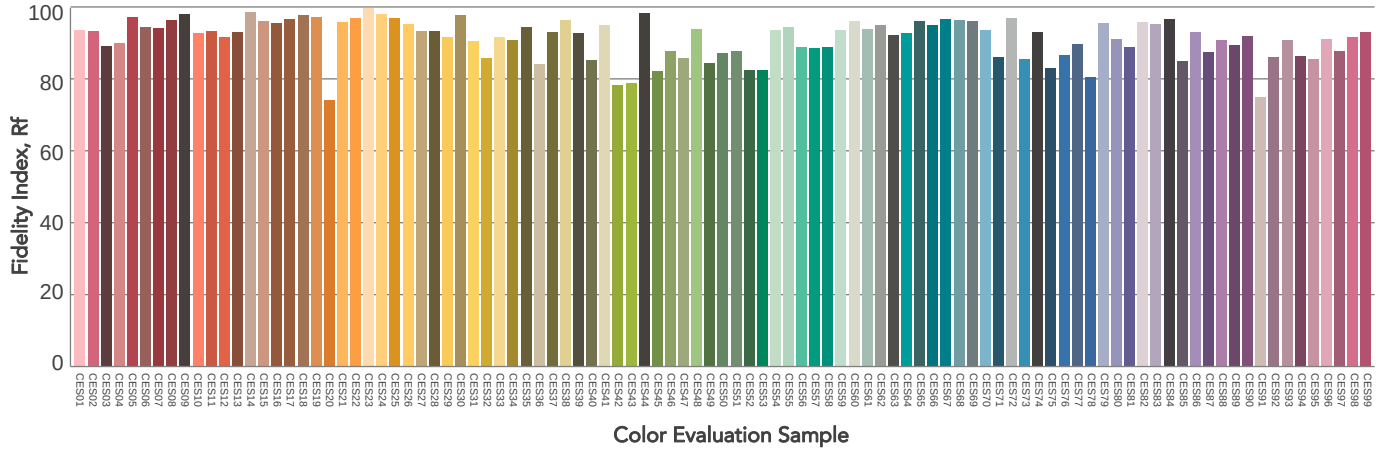












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Via A. Olivetti snc
04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

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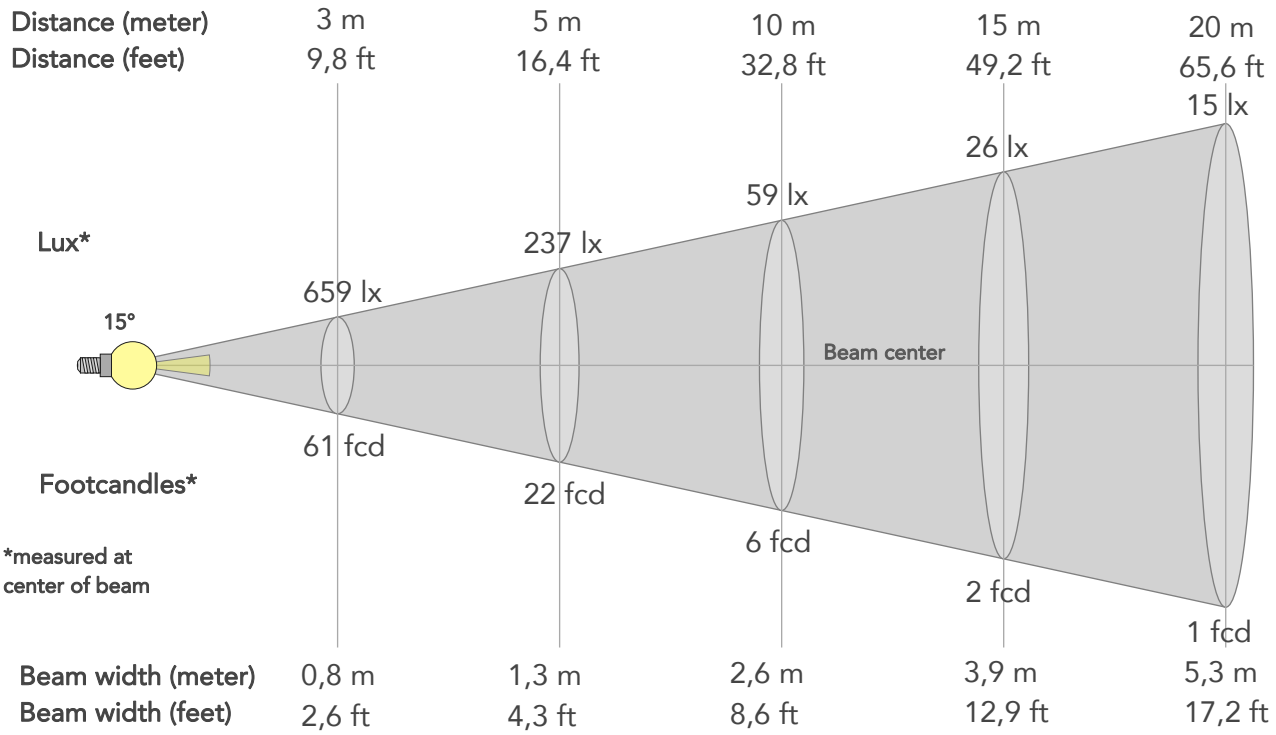
BEAM DETAILS

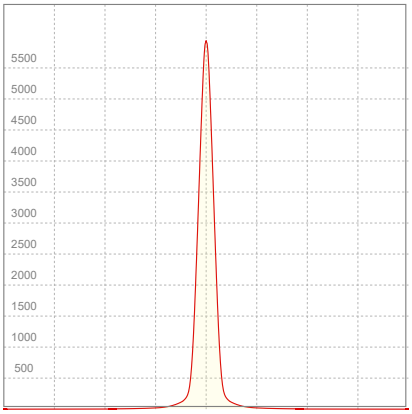
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	26,8°	39,2°	95,4%	92,2%



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	5930lx	1483lx	659lx	371lx	237lx	105lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	551fcd	138fcd	61fcd	34fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	3,9m	5,3m	6,6m	7,9m	10,5m	13,1m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,5ft	8,6ft	12,9ft	17,2ft	21,5ft	25,8ft	34,4ft	43,1ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,101A	11,9W	0,52	48lm/W

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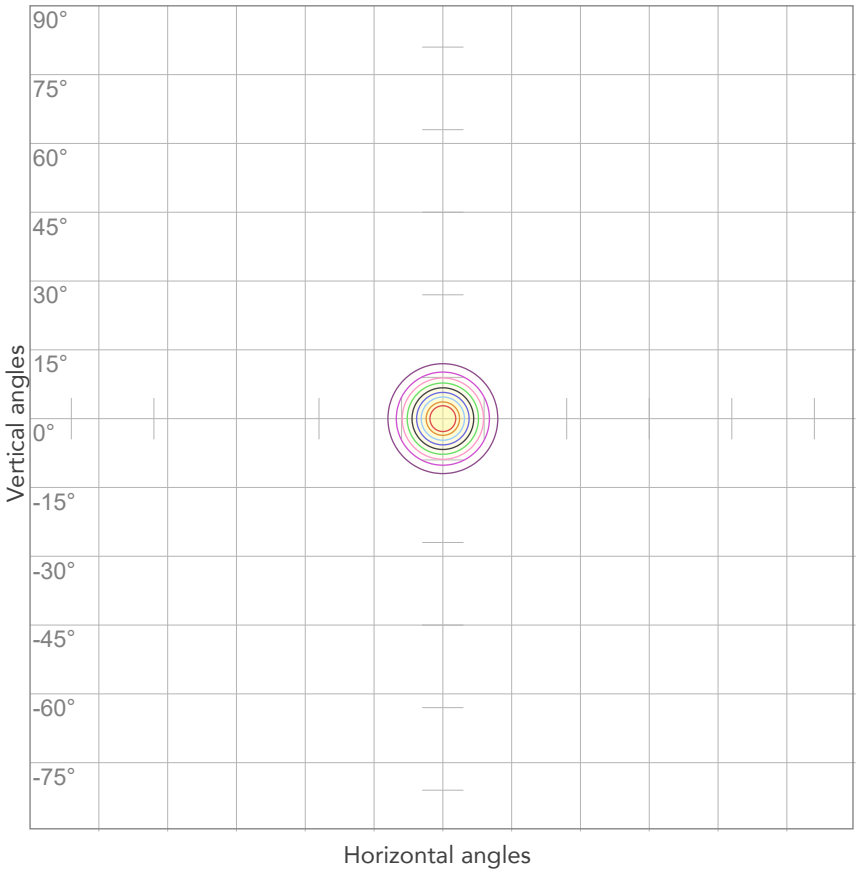
ISO DIAGRAMS

ISO CANDELA DIAGRAM



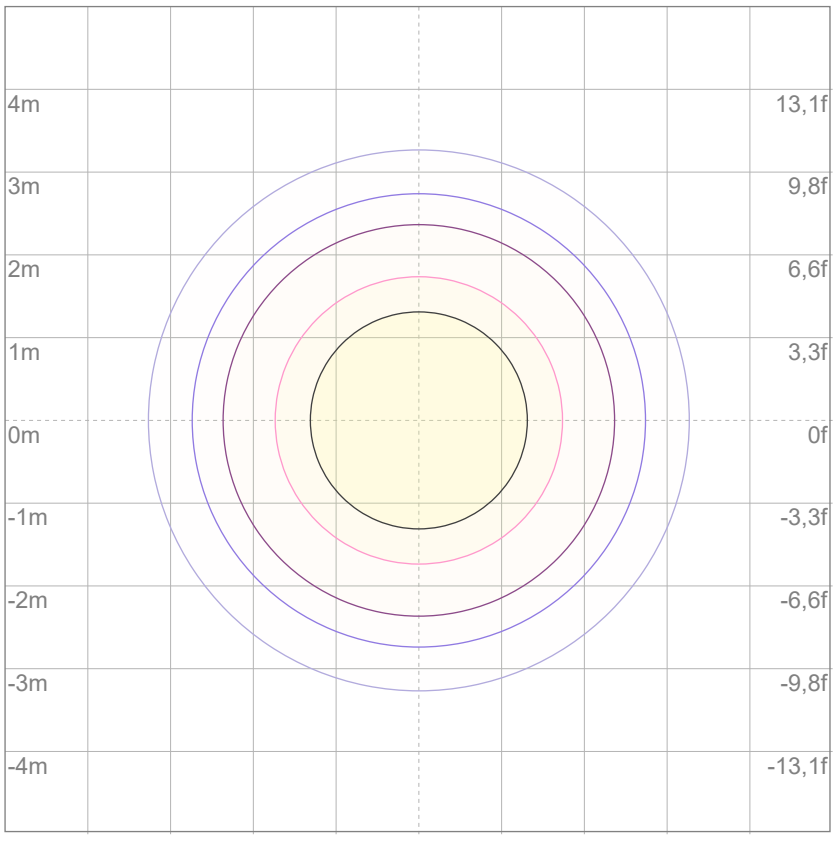
10%	593 cd
20%	1186 cd
30%	1779 cd
40%	2372 cd
50%	2965 cd
60%	3558 cd
70%	4151 cd
80%	4744 cd

Conditions:

Number of c-planes: 2

Candela at center: 5930 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,78 lx
5%	2,97 lx
10%	5,93 lx
30%	17,8 lx
50%	29,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 59,3 lx

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

Total lumen output:

622 lm

Peak candela output:

6345 cd

Light quality:

CRI: 89,7

Color temperature:

5619 K

PRODUCT NAME:

ARCSPOTXSFC

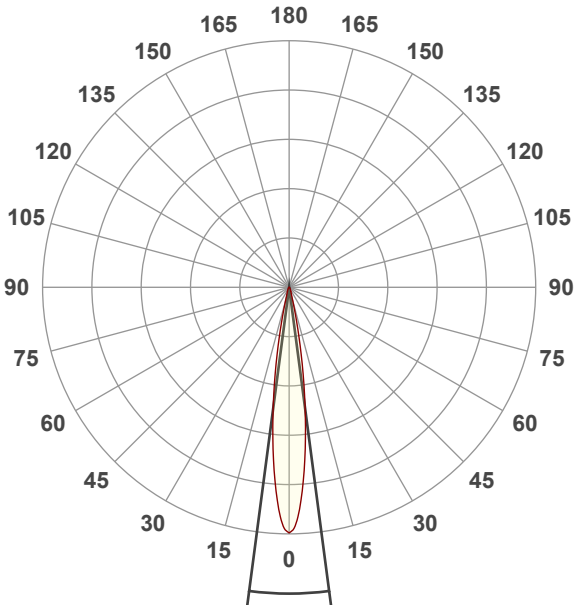
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
5600K

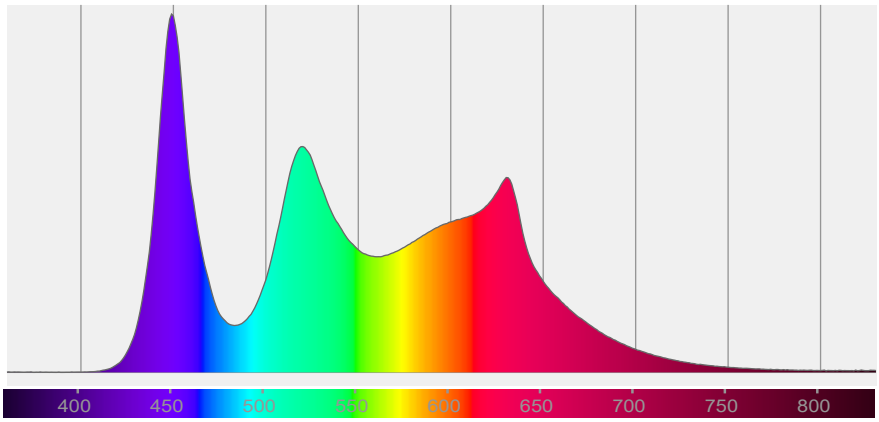
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:23:54

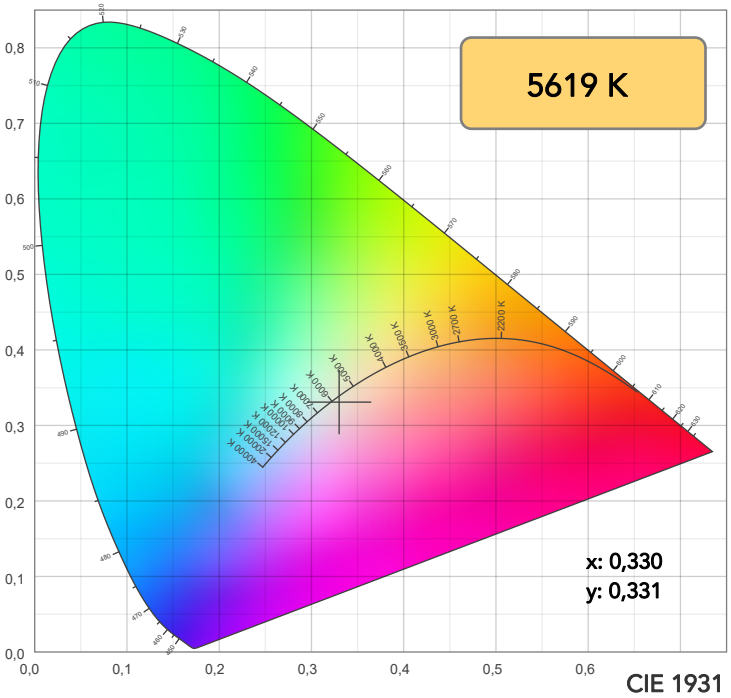


Beam angle 50%: 15°
Field angle 10%: 26,8°
Cut off angle 2.5%: 39,1°

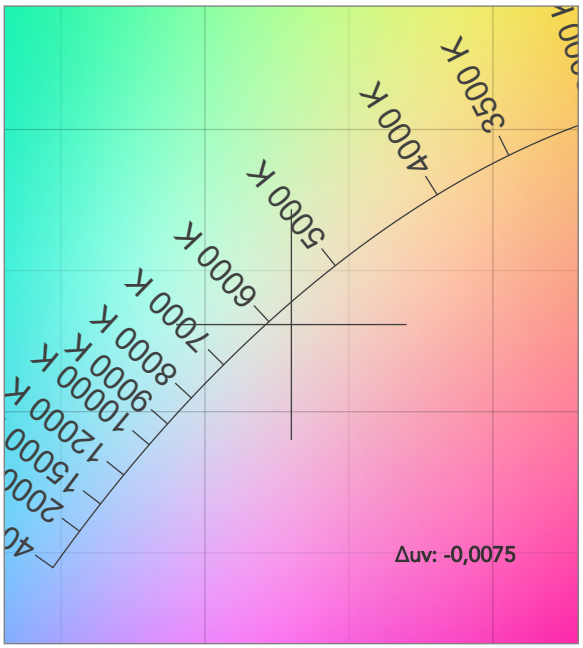
Spectra



COLOR DETAILS

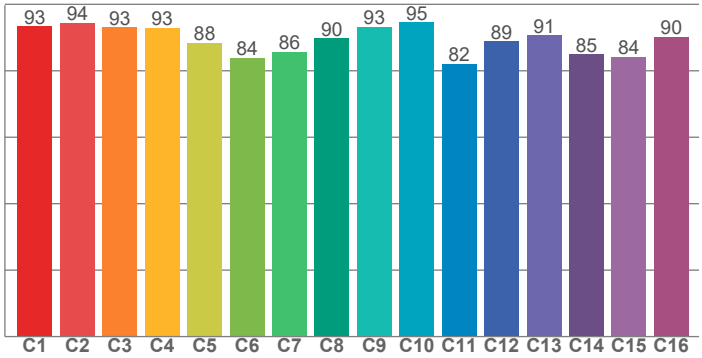


CIE 1931

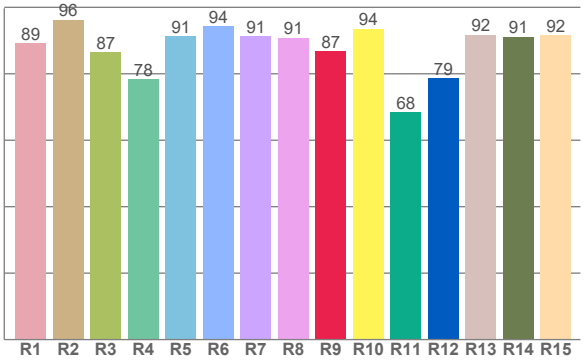


CIE 1931 ZOOM

TM30: 89,4



CRI: 89,7 (R1-R8)



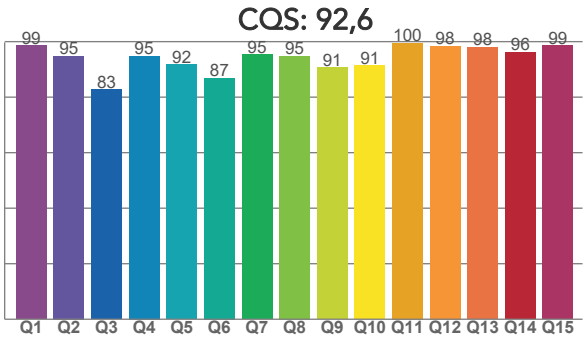
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,2	96,2	86,5	78,3	91,2	94,4	91,2	90,9	86,7	93,5	68,4	78,6	91,7	91,2	91,7

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	94,5	93,1	92,9	88,3	83,9	85,8	89,8	93,2	94,6	82,2	88,9	90,7	85,0	84,3	90,2

CQS: 92,6



CQS Q values

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

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5619 K	89,7	86,7	89,4	109,0	92,6	84	0,330	0,331	-0,0075

TM30 DETAILS

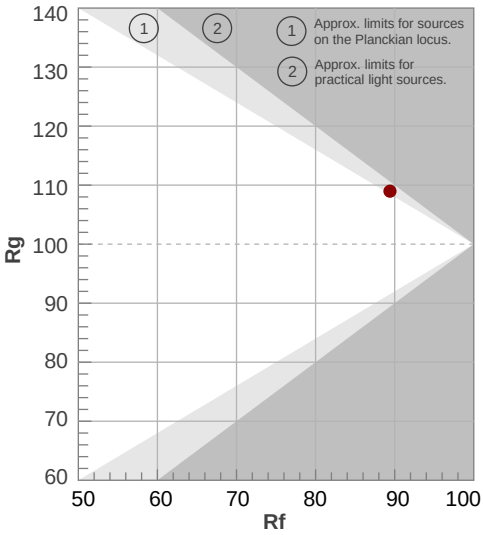
Rf 89,4

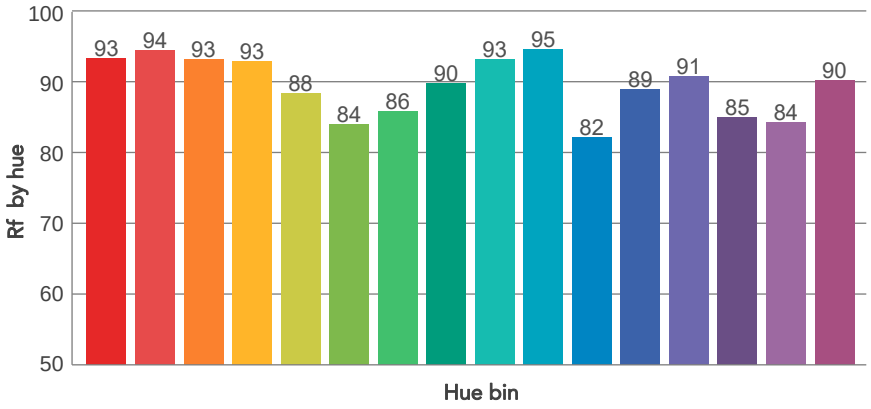
Fidelity index Rf

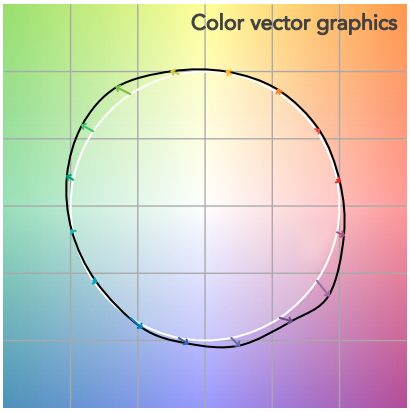
Rg 109,0

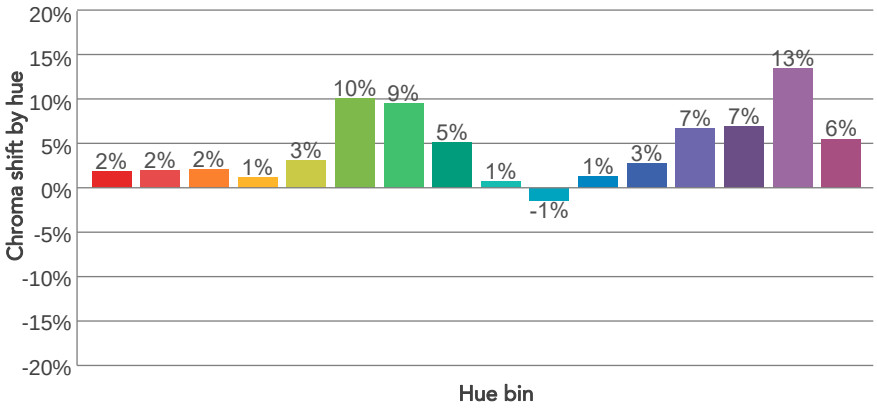
Gammut index

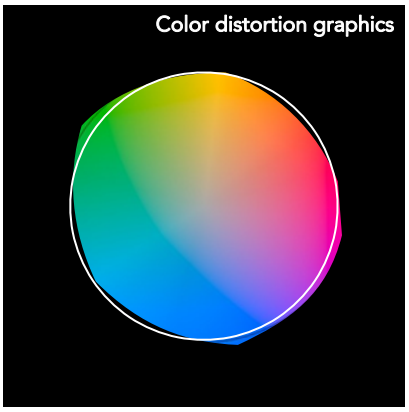
Hue Bin	R_f	Graphic shifts (%) Chroma	Hue
1	93	2%	-2%
2	94	2%	0%
3	93	2%	3%
4	93	1%	4%
5	88	3%	5%
6	84	10%	6%
7	86	9%	1%
8	90	5%	-2%
9	93	1%	-1%
10	95	-1%	2%
11	82	1%	11%
12	89	3%	7%
13	91	7%	5%
14	85	7%	6%
15	84	13%	-4%
16	90	6%	-1%

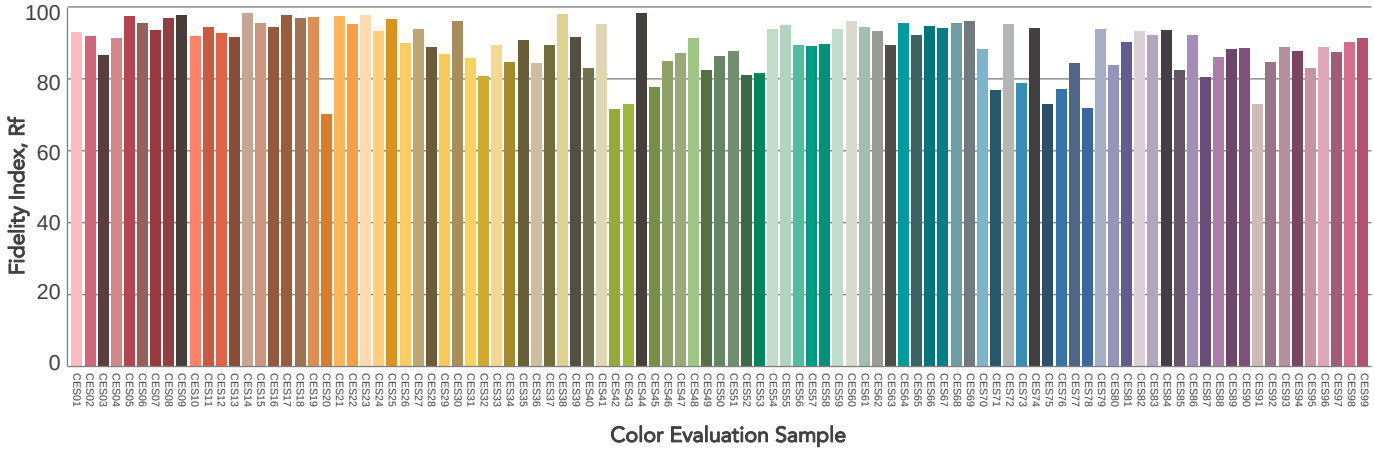












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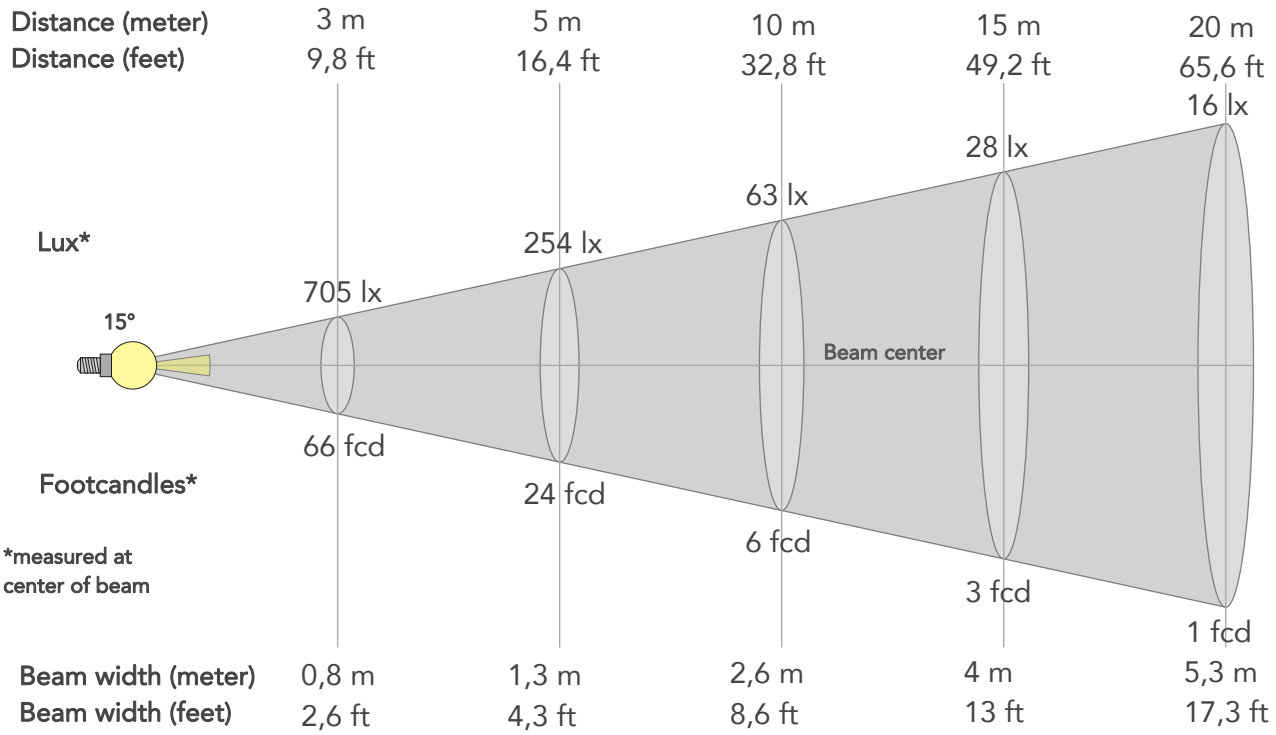
BEAM DETAILS

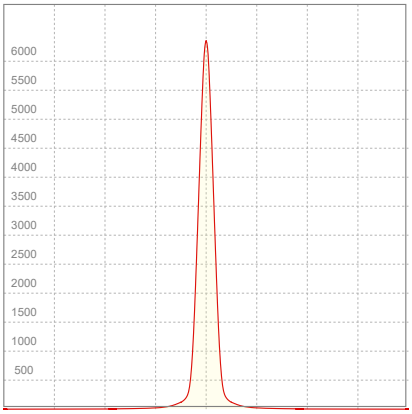
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	26,8°	39,1°	94,7%	91,5%



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	6345lx	1586lx	705lx	397lx	254lx	113lx	63lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	590fcd	147fcd	66fcd	37fcd	24fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,5m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,6ft	13ft	17,3ft	21,6ft	25,9ft	34,6ft	43,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,108A	12,9W	0,53	48lm/W

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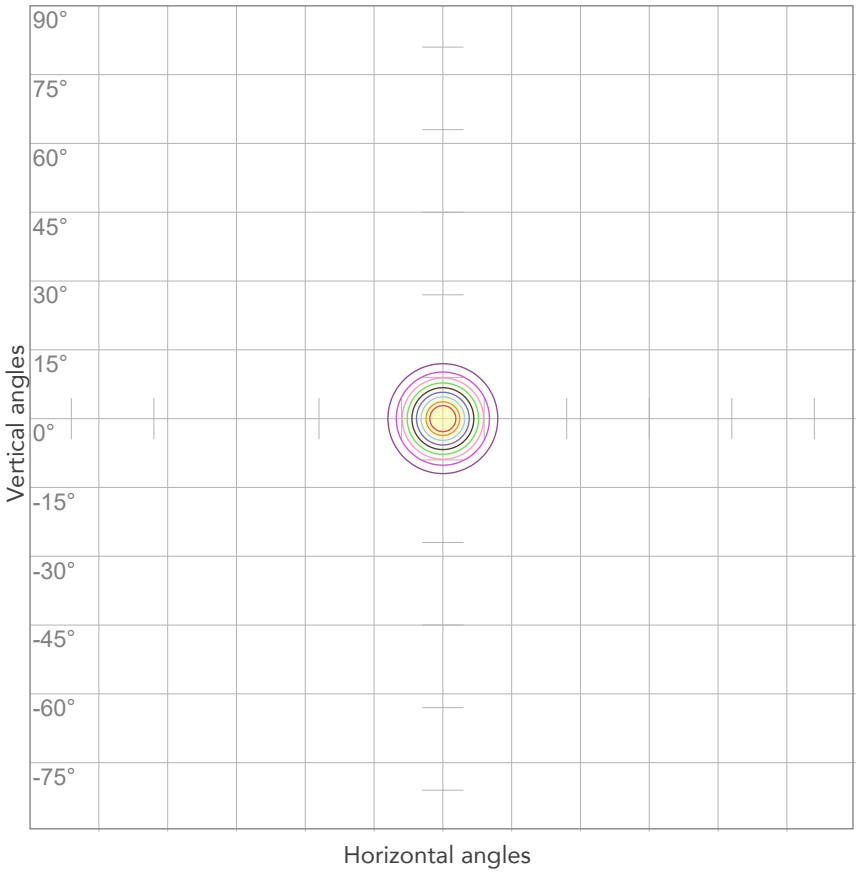
ISO DIAGRAMS

ISO CANDELA DIAGRAM



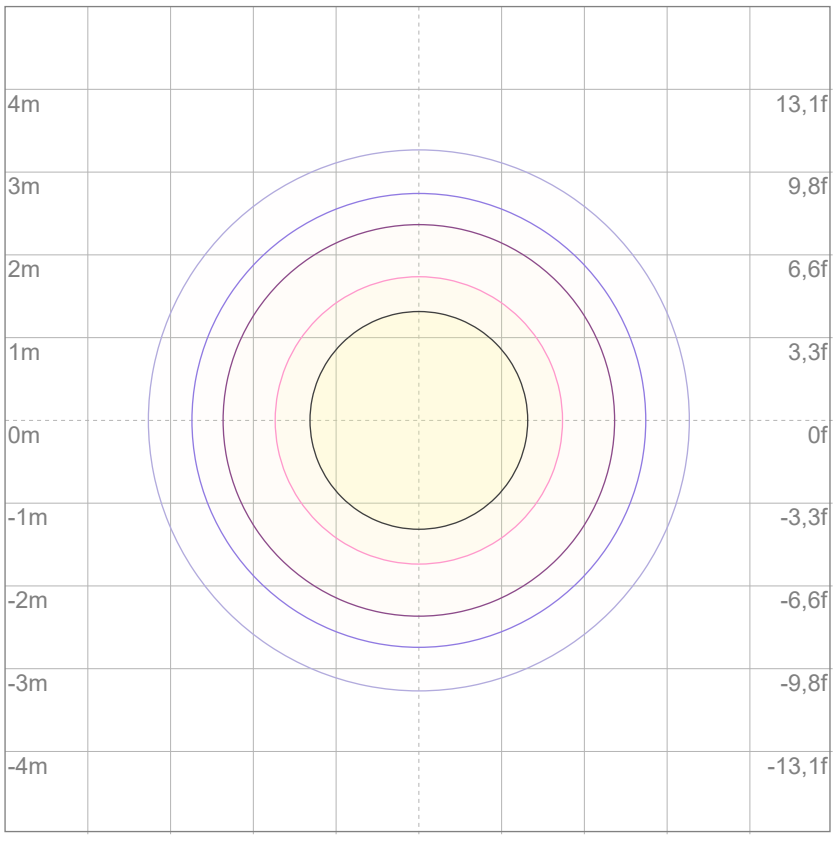
10%	635 cd
20%	1269 cd
30%	1904 cd
40%	2538 cd
50%	3173 cd
60%	3807 cd
70%	4442 cd
80%	5076 cd

Conditions:

Number of c-planes: 2

Candela at center: 6345 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,90 lx
5%	3,17 lx
10%	6,35 lx
30%	19,0 lx
50%	31,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 63,5 lx

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

Total lumen output:

601 lm

Peak candela output:

6397 cd

Light quality:

CRI: 89,9

Color temperature:

6044 K

PRODUCT NAME:

ARCSPOTXSFC

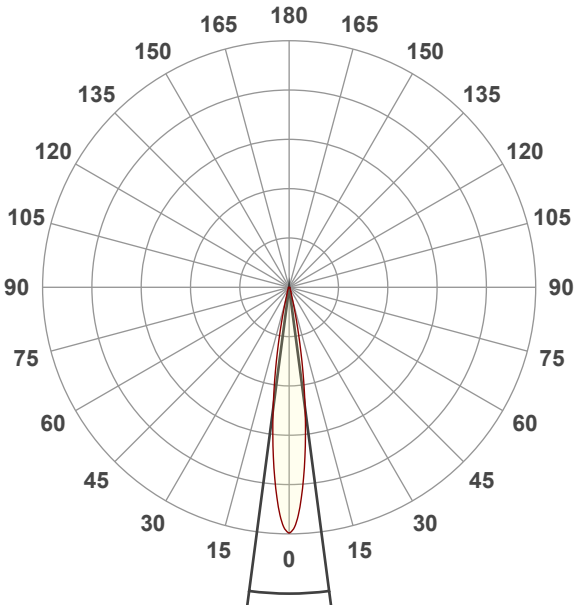
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
6000K

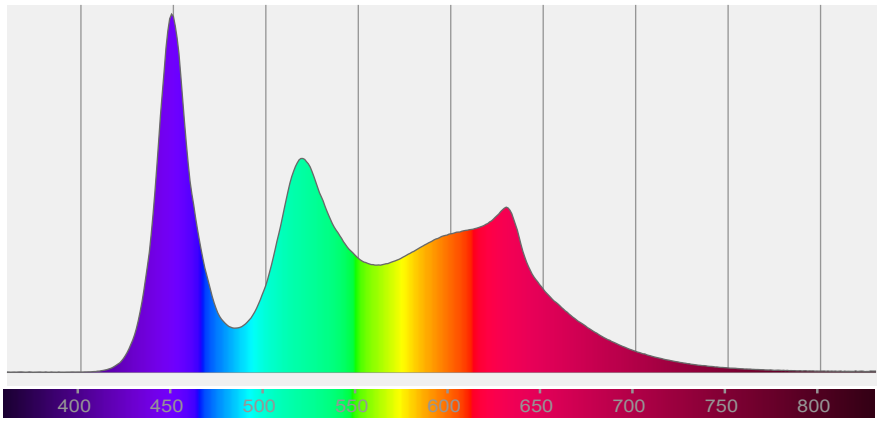
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:18:07

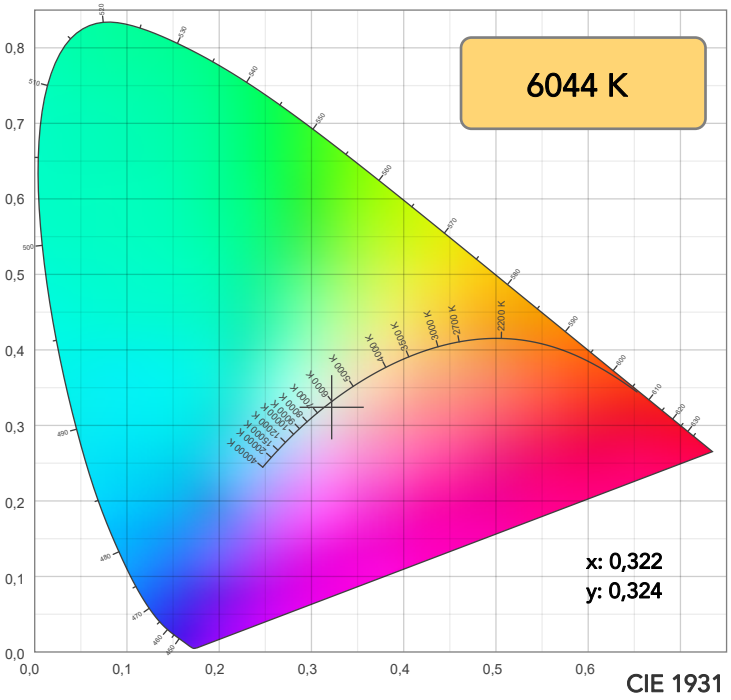


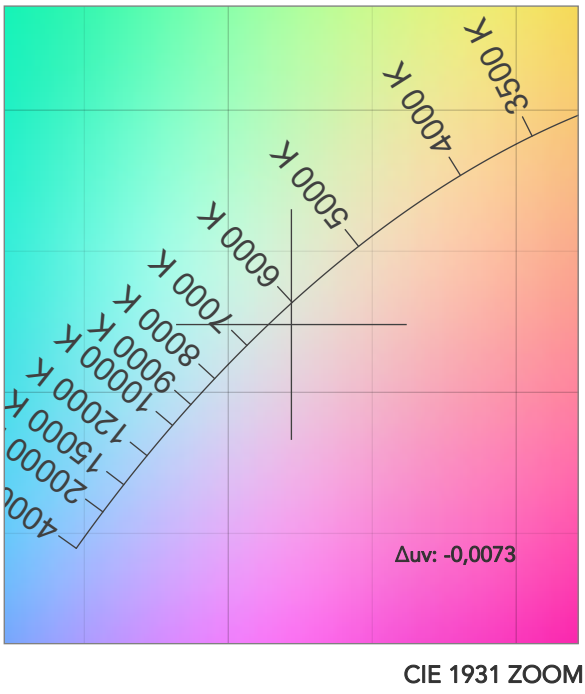
Beam angle 50%: 15°
Field angle 10%: 26,7°
Cut off angle 2.5%: 38,8°

Spectra

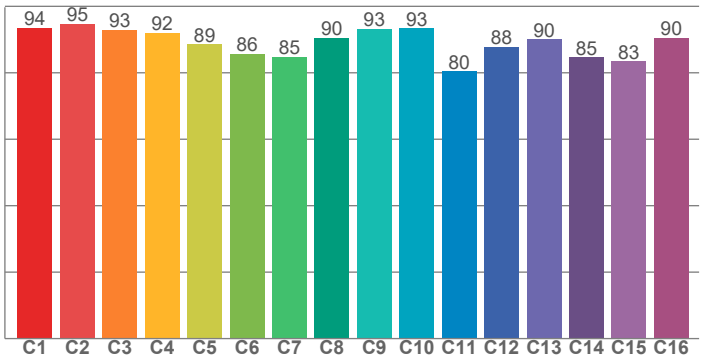


COLOR DETAILS

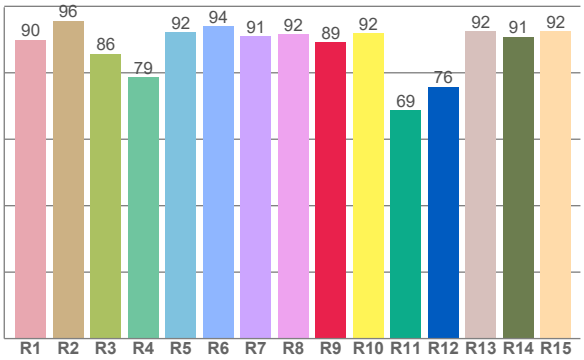




TM30: 89,1



CRI: 89,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
89,9	95,7	85,7	78,6	92,3	94,0	91,1	91,6	89,1	91,8	68,8	75,8	92,4	90,9	92,5

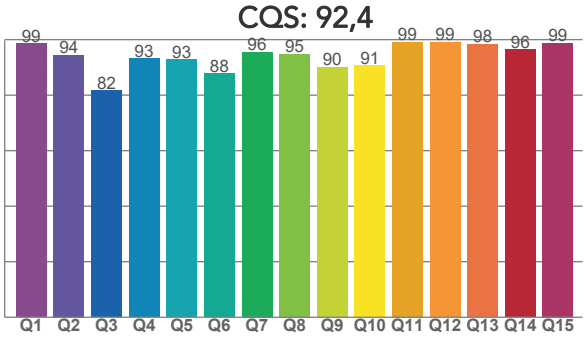
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,5	94,7	92,9	91,9	88,5	85,7	84,8	90,5	93,2	93,4	80,4	87,8	90,0	84,6	83,4	90,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,6	94,5	81,7	93,1	92,8	87,7	95,6	94,7	90,2	90,7	99,2	99,0	98,3	96,4	98,8

CQS: 92,4



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6044 K	89,9	89,1	89,1	108,7	92,4	85	0,322	0,324	-0,0073

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04026 - Minturno (LT) ITALY
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TM30 DETAILS

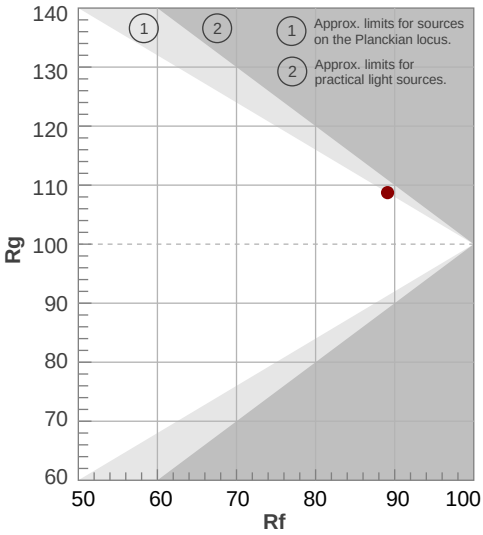
Rf 89,1

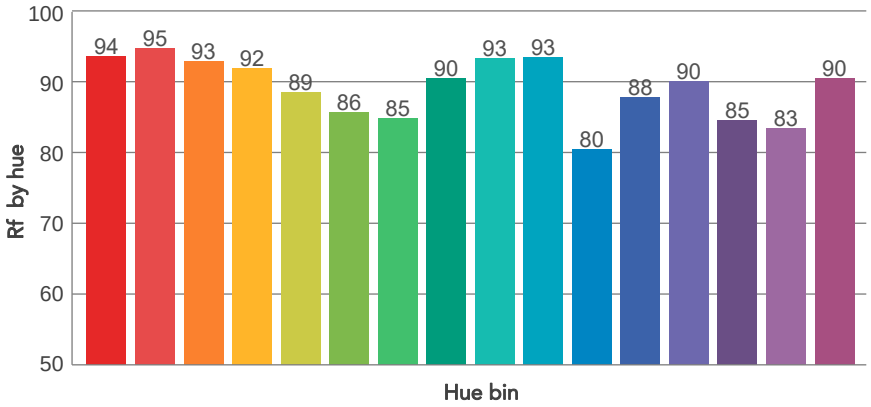
Fidelity index Rf

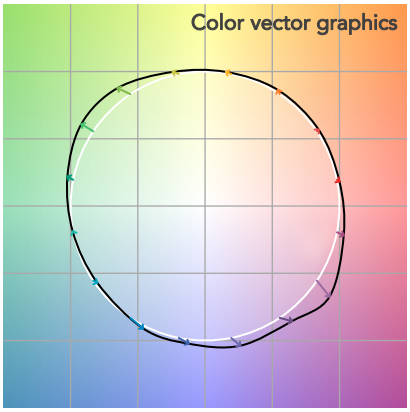
Rg 108,7

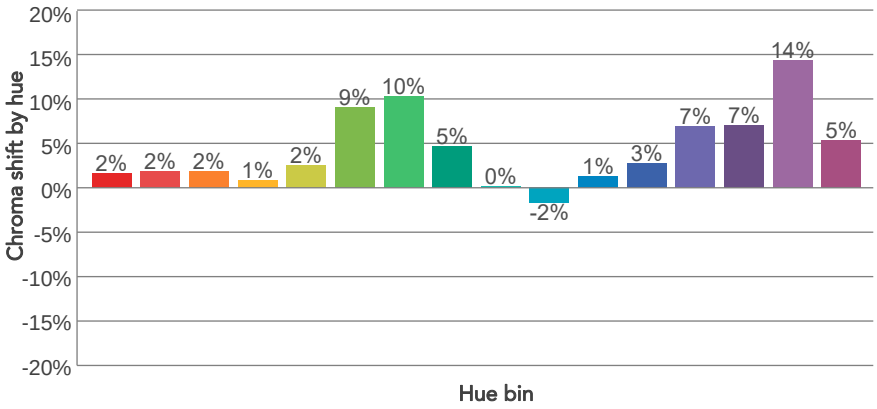
Gamut index

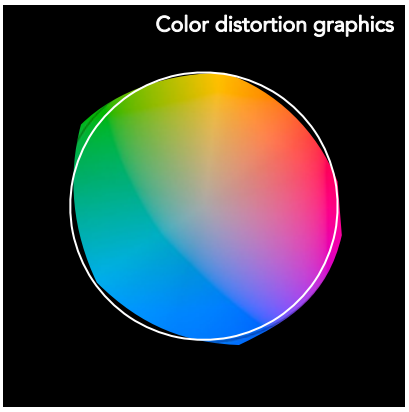
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	2%	-2%
2	95	2%	0%
3	93	2%	3%
4	92	1%	4%
5	89	2%	4%
6	86	9%	5%
7	85	10%	0%
8	90	5%	-1%
9	93	0%	-1%
10	93	-2%	3%
11	80	1%	12%
12	88	3%	8%
13	90	7%	5%
14	85	7%	6%
15	83	14%	-5%
16	90	5%	-1%

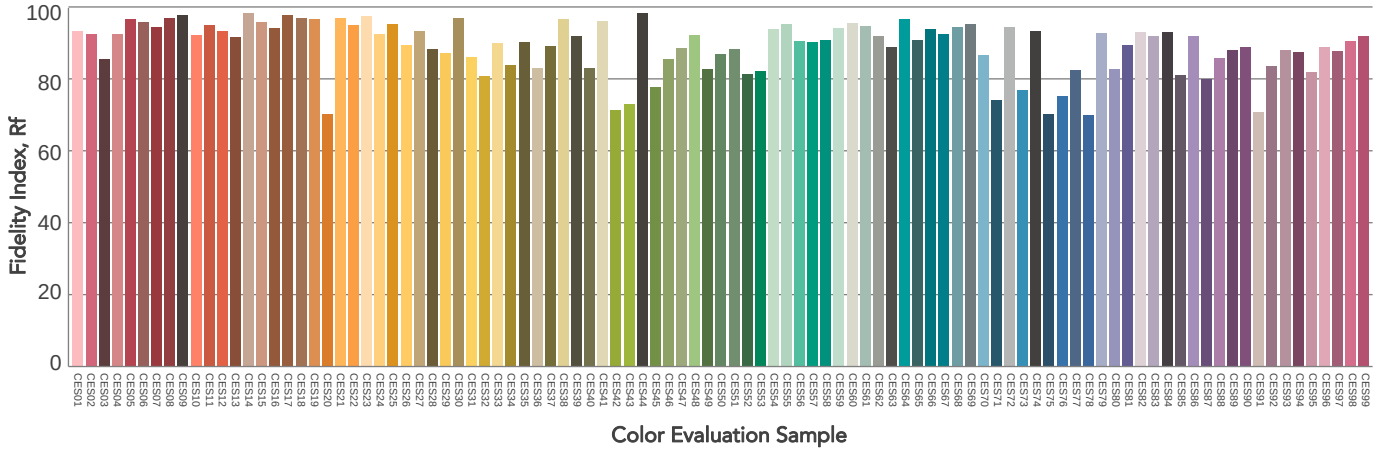












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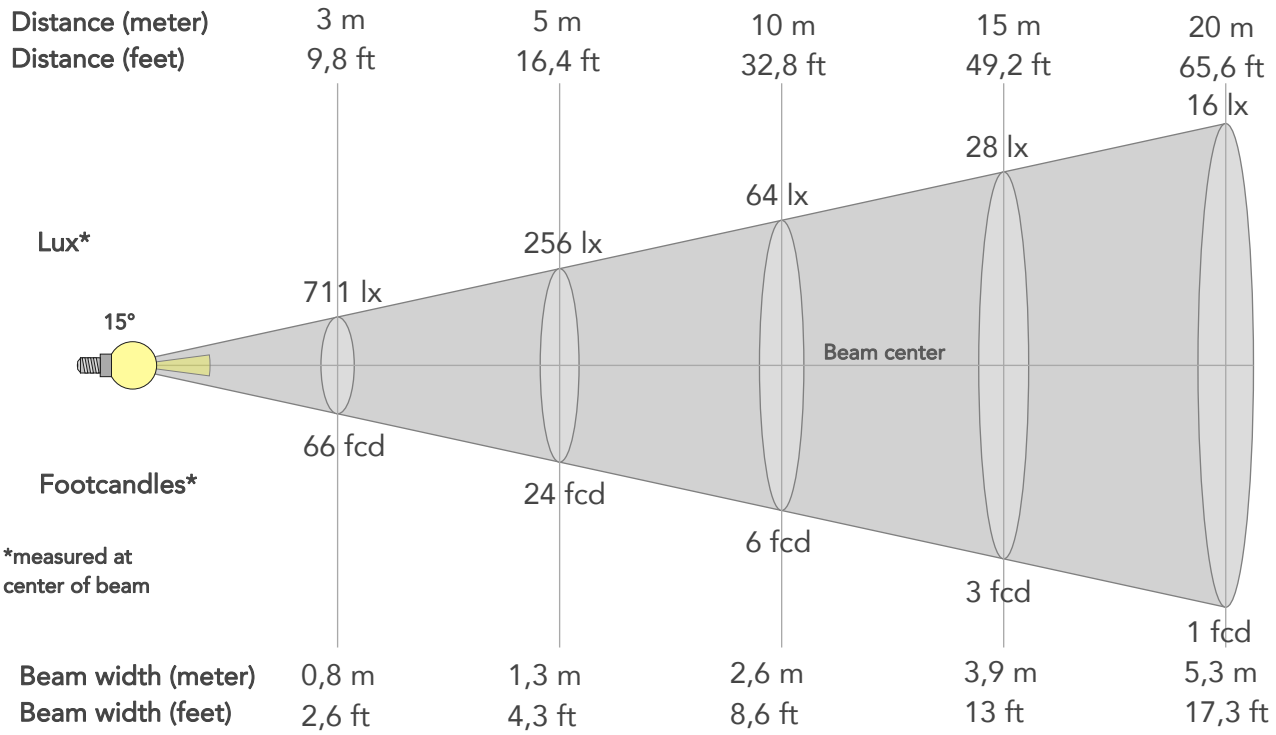
BEAM DETAILS

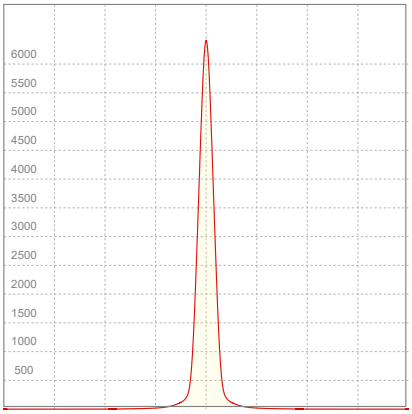
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	26,7°	38,8°	97,3%	94,6%



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	6397lx	1599lx	711lx	400lx	256lx	114lx	64lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	594fcd	149fcd	66fcd	37fcd	24fcd	11fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	3,9m	5,3m	6,6m	7,9m	10,5m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,5ft	8,6ft	13ft	17,3ft	21,6ft	25,9ft	34,5ft	43,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,110A	13,0W	0,52	46lm/W

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Tel: +39 0771 72190

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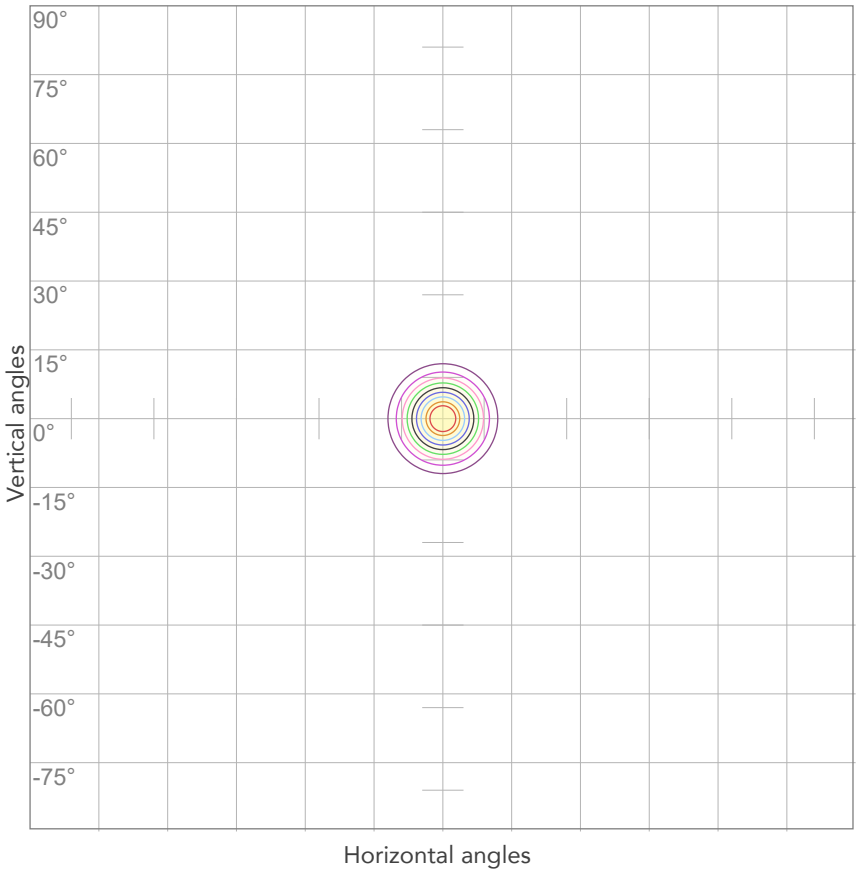
ISO DIAGRAMS

ISO CANDELA DIAGRAM



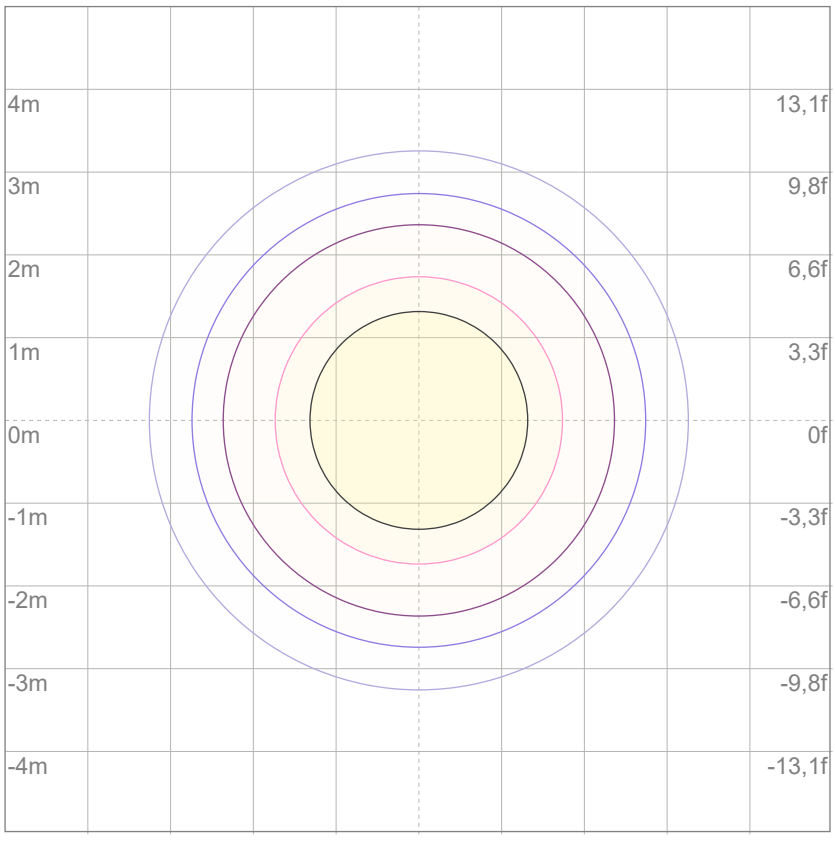
10%	640 cd
20%	1279 cd
30%	1919 cd
40%	2559 cd
50%	3198 cd
60%	3838 cd
70%	4478 cd
80%	5117 cd

Conditions:

Number of c-planes: 2

Candela at center: 6397 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,92 lx
5%	3,20 lx
10%	6,40 lx
30%	19,2 lx
50%	32,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 64,0 lx

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

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Total lumen output:

603 lm

Peak candela output:

6400 cd

Light quality:

CRI: 89,8

Color temperature:

6517 K

PRODUCT NAME:

ARCSPOTXSFC

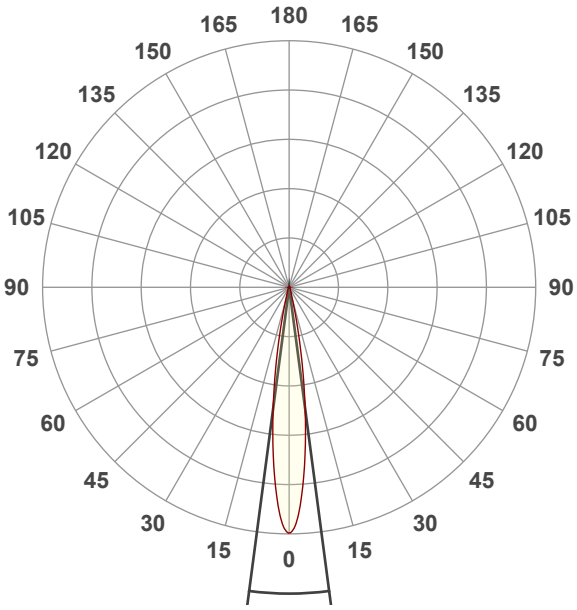
MEASURAMENT CONDITIONS:

Beam angle:
15°

Target:
6500K

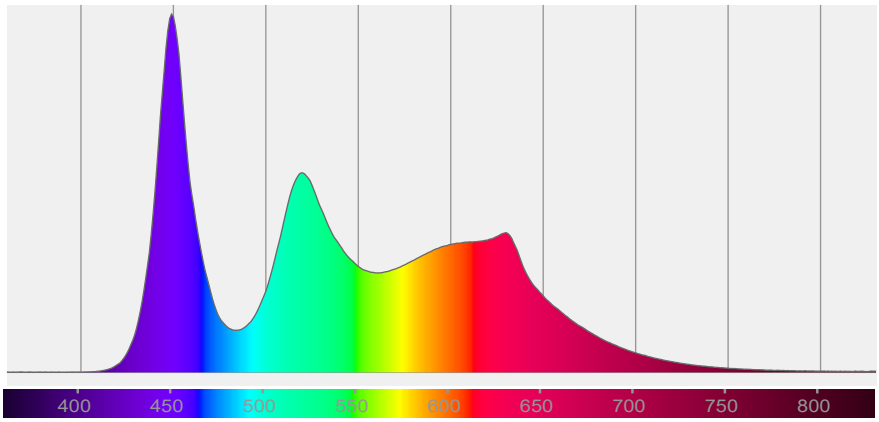
Operator:
Salvatore Giglio

Date and time:
23/05/2024 11:14:35

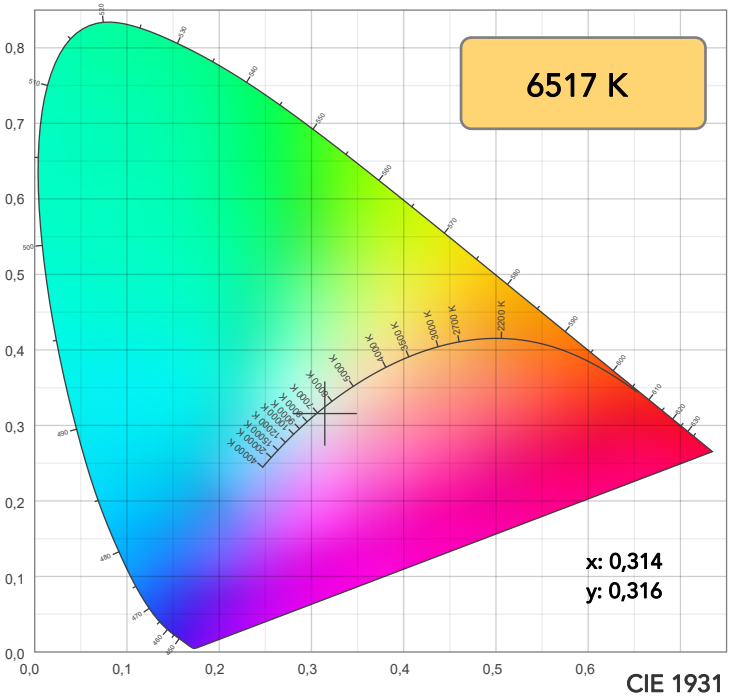


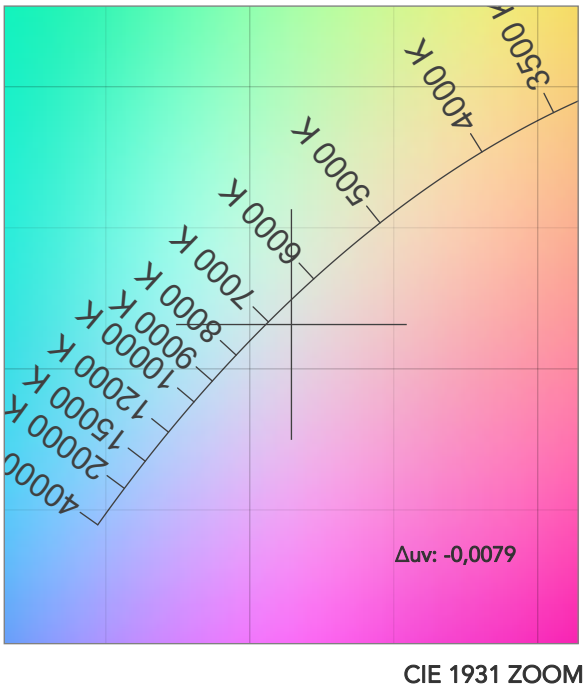
Beam angle 50%: 15°
Field angle 10%: 26,7°
Cut off angle 2.5%: 38,8°

Spectra

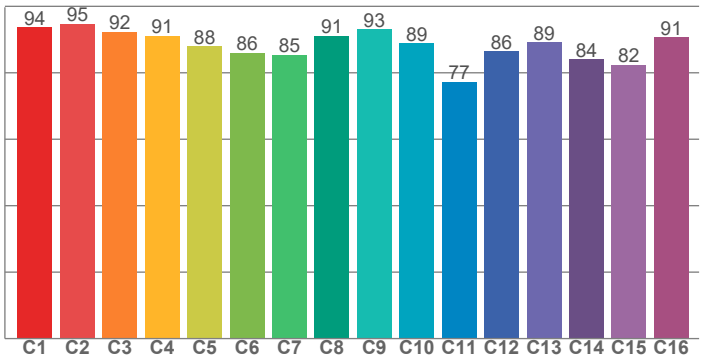


COLOR DETAILS

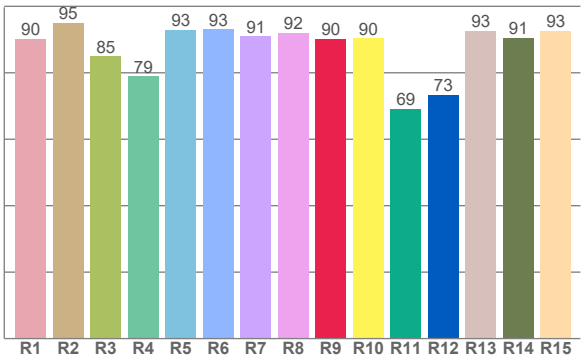




TM30: 88,6



CRI: 89,8 (R1-R8)



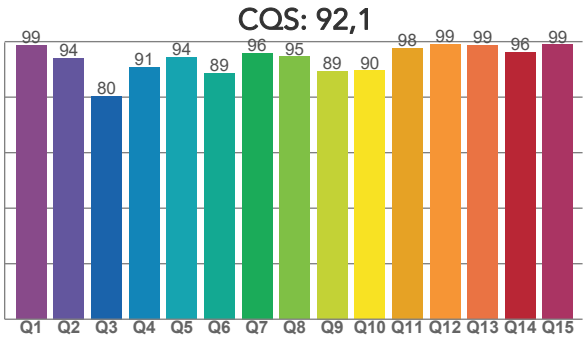
CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,2	95,1	85,0	79,0	92,9	93,1	91,0	92,1	90,2	90,4	69,2	73,4	92,6	90,5	92,6

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,6	94,7	92,3	91,0	88,0	85,9	85,4	91,1	93,1	88,9	77,3	86,4	89,1	84,0	82,5	90,7

CQS: 92,1



CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,7	94,2	80,4	90,9	94,4	88,7	96,0	94,7	89,5	89,6	97,8	99,2	98,7	96,3	98,9

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6517 K	89,8	90,2	88,6	108,2	92,1	86	0,314	0,316	-0,0079

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04026 - Minturno (LT) ITALY
Tel: +39 0771 72190

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TM30 DETAILS

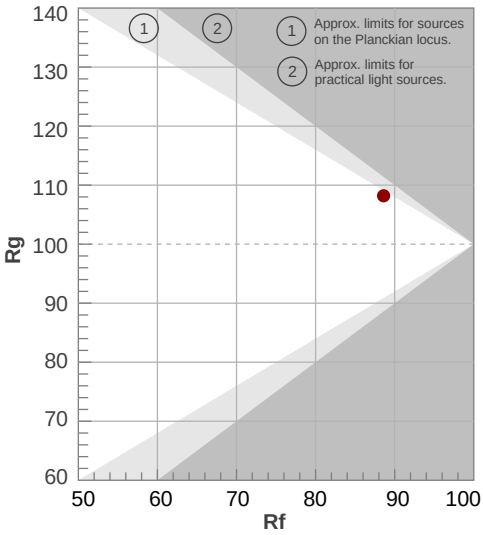
Rf 88,6

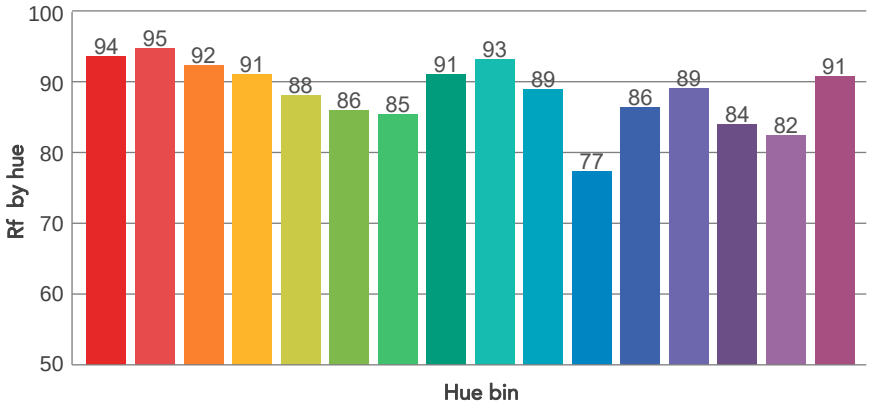
Fidelity index Rf

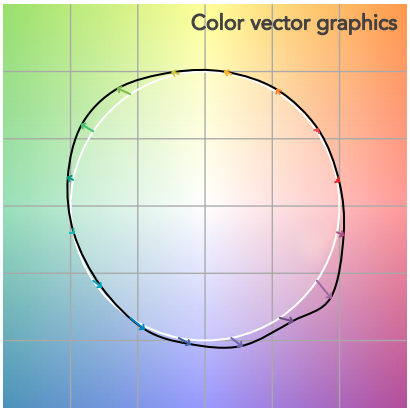
Rg 108,2

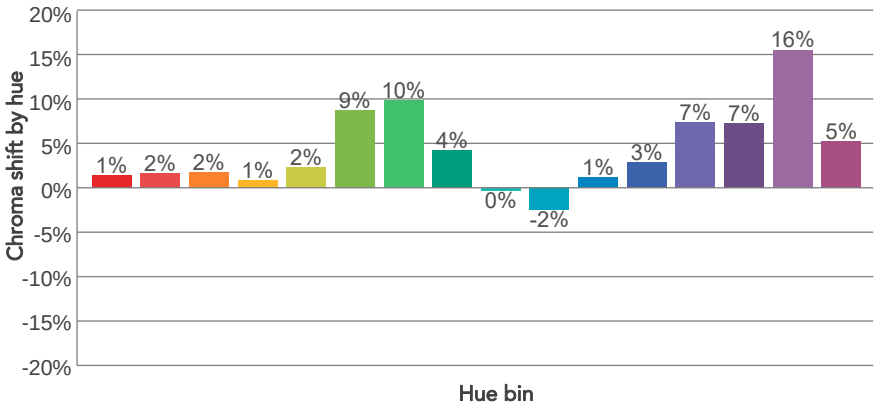
Gammut index

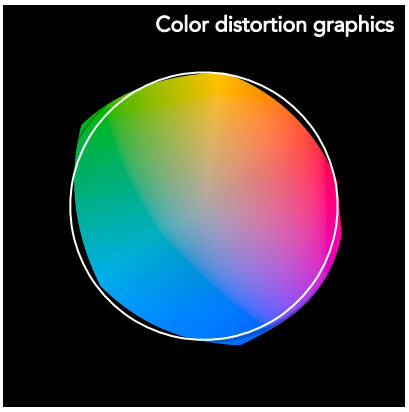
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	94	1%	-1%
2	95	2%	1%
3	92	2%	3%
4	91	1%	5%
5	88	2%	4%
6	86	9%	5%
7	85	10%	1%
8	91	4%	-1%
9	93	0%	0%
10	89	-2%	7%
11	77	1%	13%
12	86	3%	9%
13	89	7%	6%
14	84	7%	6%
15	82	16%	-5%
16	91	5%	-1%

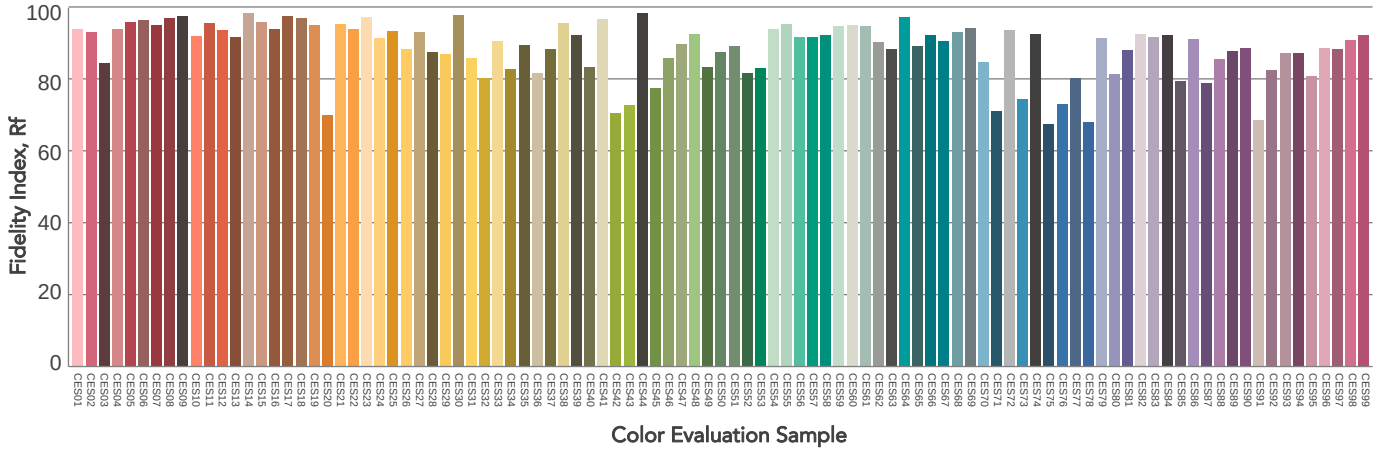












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04026 - Minturno (LT) ITALY
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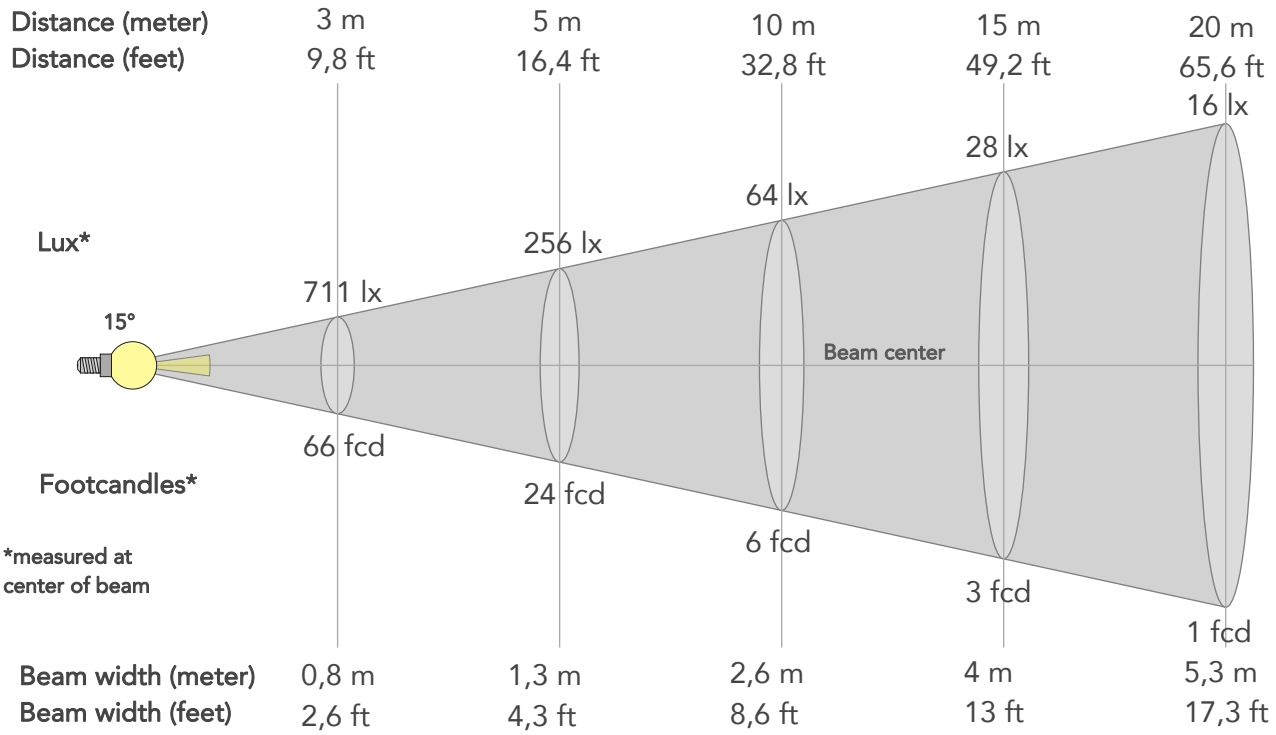
BEAM DETAILS

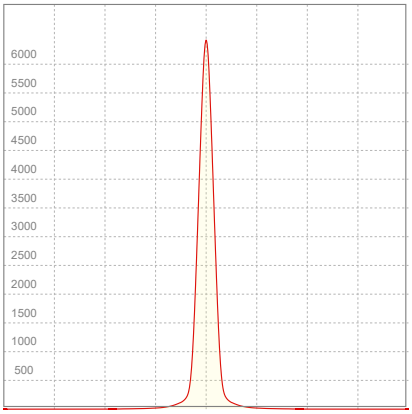
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	26,7°	38,8°	97,2%	94,4%



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	6400lx	1600lx	711lx	400lx	256lx	114lx	64lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	595fcd	149fcd	66fcd	37fcd	24fcd	11fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,5m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,5ft	8,6ft	13ft	17,3ft	21,6ft	25,9ft	34,6ft	43,2ft

LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,107A	13,1W	0,54	46lm/W

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Tel: +39 0771 72190

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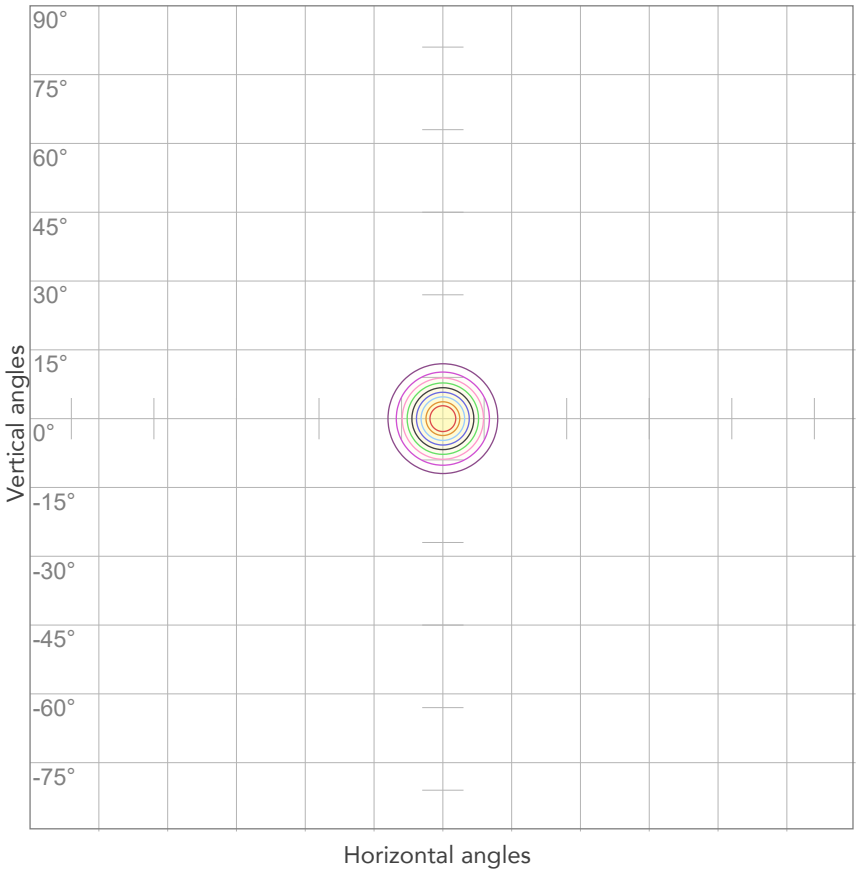
ISO DIAGRAMS

ISO CANDELA DIAGRAM



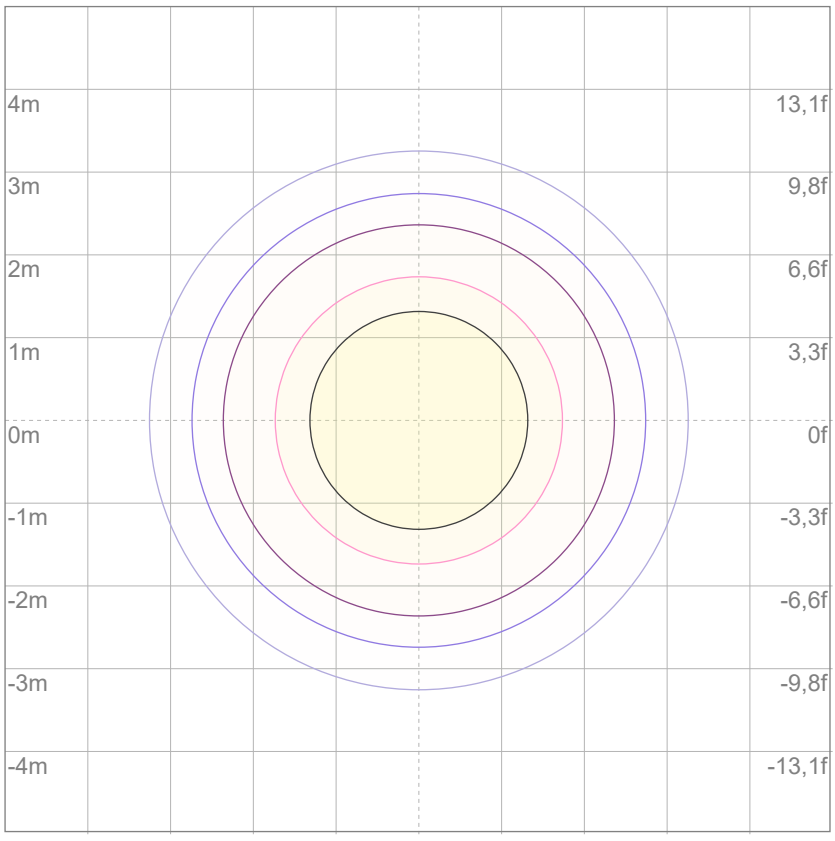
10%	640 cd
20%	1280 cd
30%	1920 cd
40%	2560 cd
50%	3200 cd
60%	3840 cd
70%	4480 cd
80%	5120 cd

Conditions:

Number of c-planes: 2

Candela at center: 6400 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,92 lx
5%	3,20 lx
10%	6,40 lx
30%	19,2 lx
50%	32,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 64,0 lx

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