

Photometric Test Report



ArcSpot SFC

IP66 Spot featuring 1300 lumen
with 7 x 4W RGB+WarmWhite source,
25° Degree Optic

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TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

1250 lm

Peak candela output:

7206 cd

Light quality:

CRI: 44,8

Color temperature:

21278 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

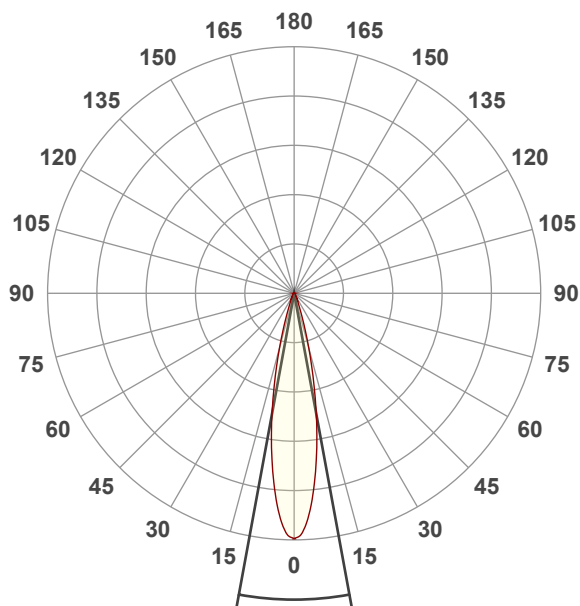
Full On

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:47:30

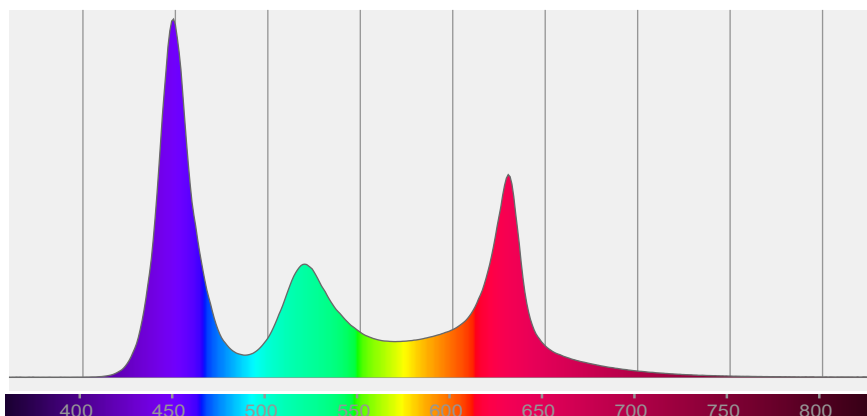


Beam angle 50%: 20,8°

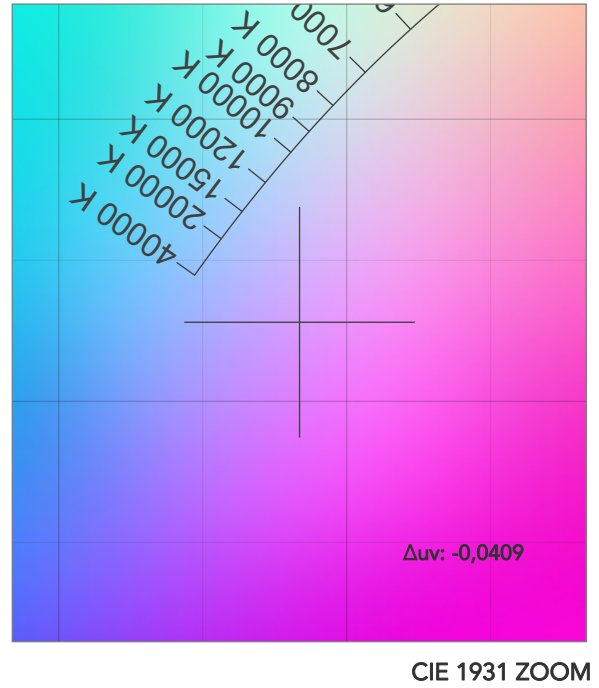
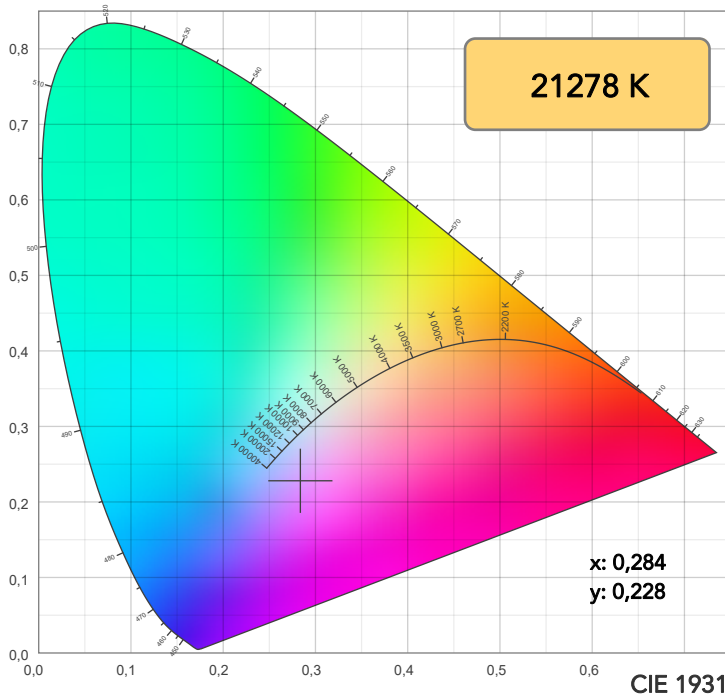
Field angle 10%: 37,4°

Cut off angle 2.5%: 54,4°

Spectra

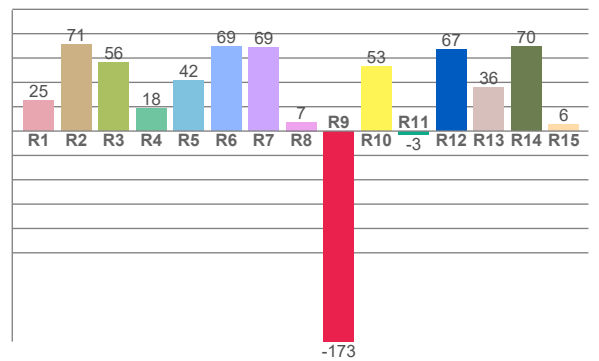
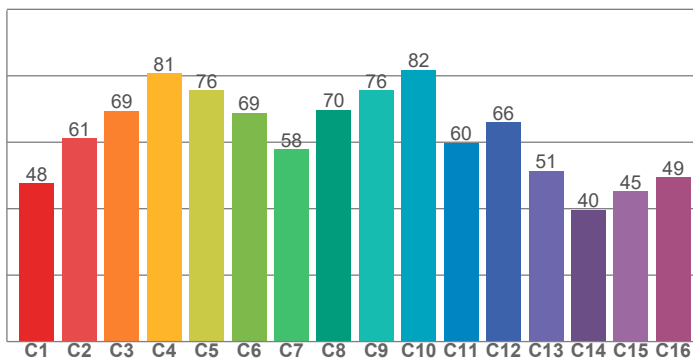


COLOR DETAILS



TM30: 65,3

CRI: 44,8 (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
25,2	71,5	56,3	18,5	41,8	69,3	68,8	7,4	-172,9	52,8	-2,9	67,3	35,6	69,6	5,5

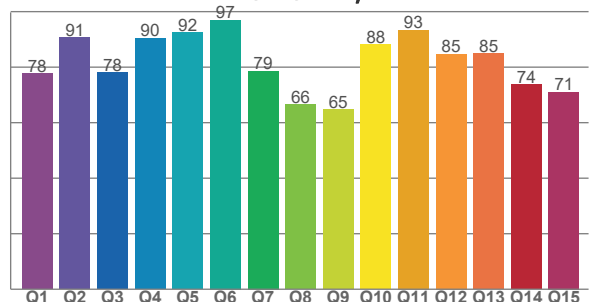
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
47,6	61,2	69,4	80,8	75,6	68,8	57,9	69,8	75,7	81,8	59,9	66,0	51,3	39,6	45,2	49,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,7	90,7	78,0	90,4	92,5	97,0	78,5	66,5	64,7	88,1	93,4	84,7	84,9	73,8	71,0

CQS: 79,6



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
21278 K	44,8	-172,9	65,3	127,5	79,6	70	0,284	0,228	-0,0409

TM30 DETAILS

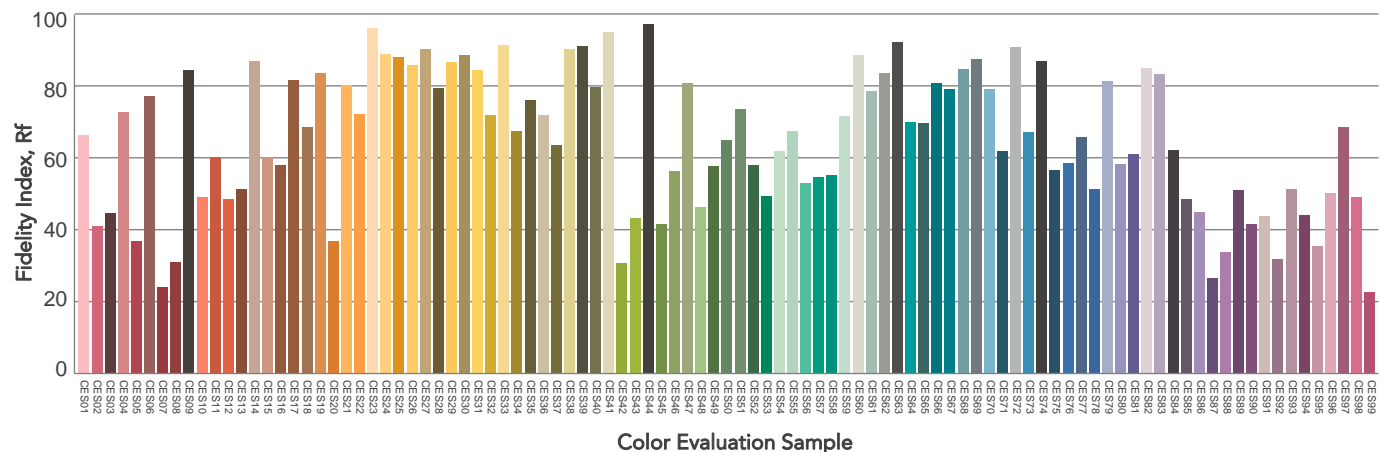
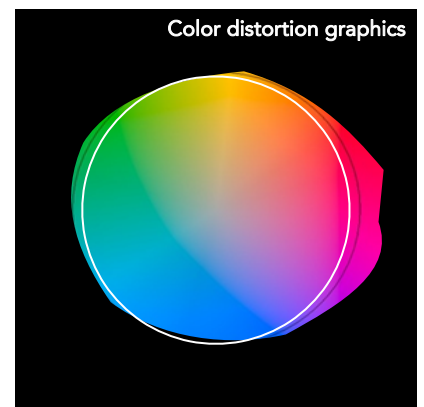
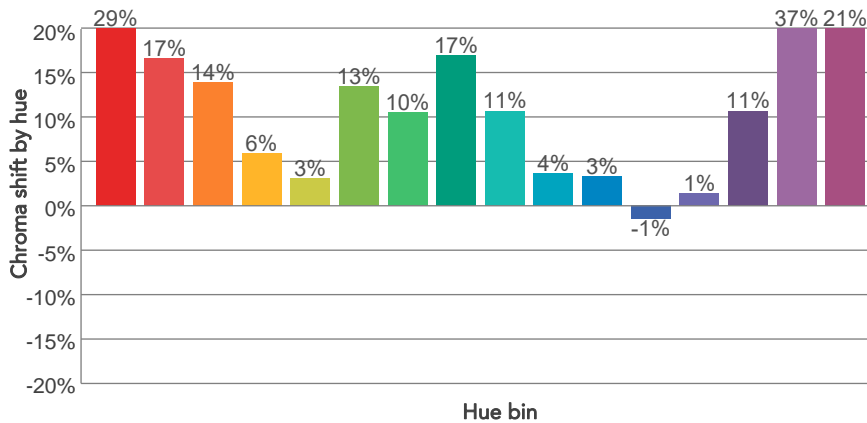
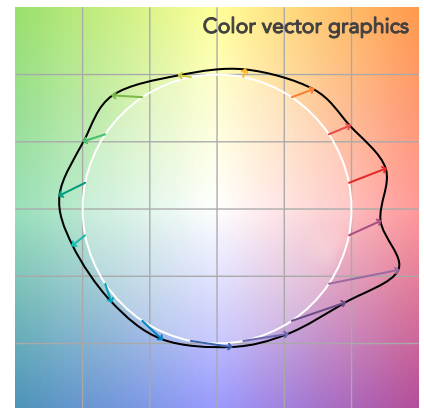
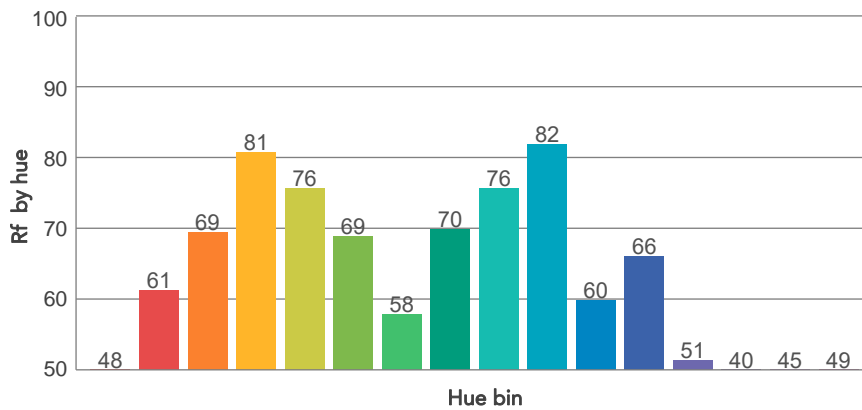
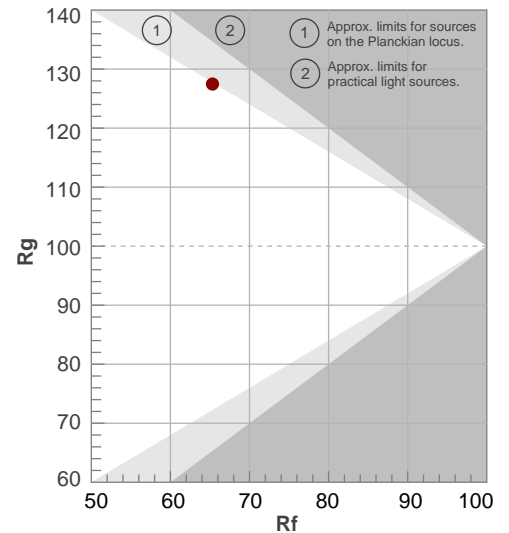
Rf 65,3

Fidelity index Rf

Rg 127,5

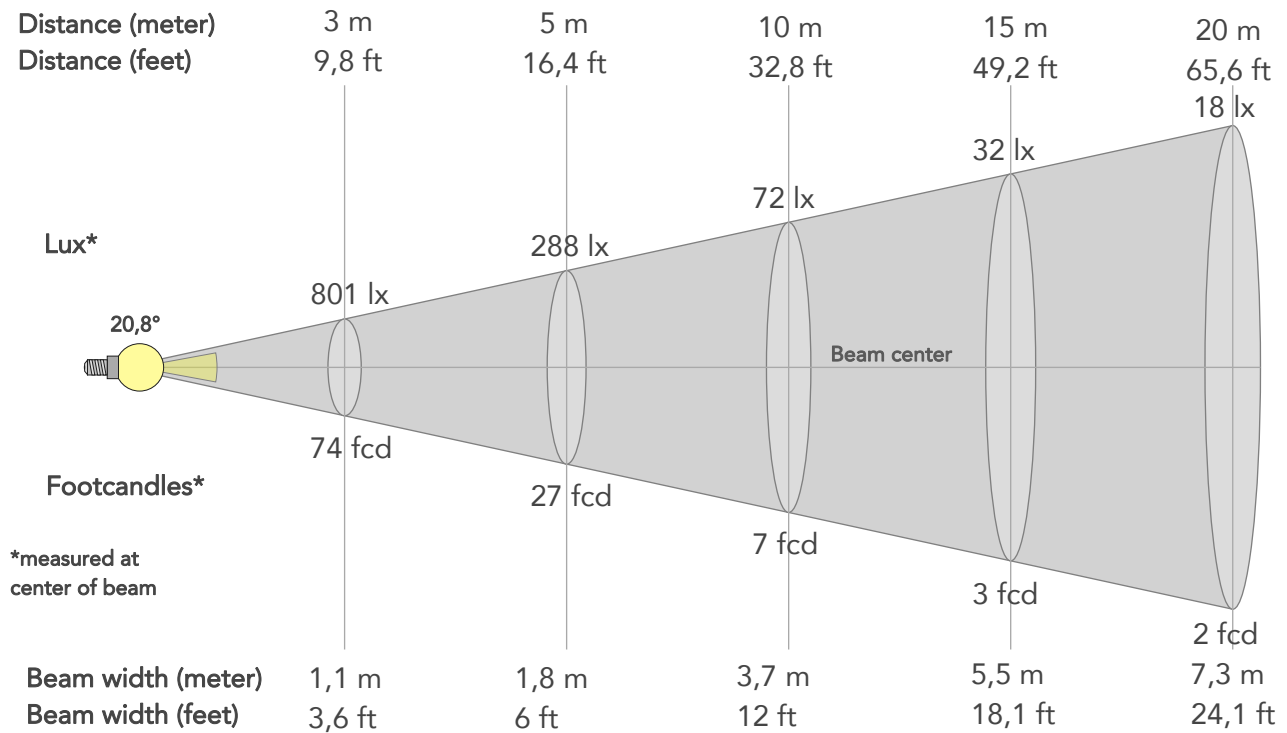
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	48	29%	5%
2	61	17%	-3%
3	69	14%	-10%
4	81	6%	0%
5	76	3%	8%
6	69	13%	18%
7	58	10%	13%
8	70	17%	13%
9	76	11%	6%
10	82	4%	14%
11	60	3%	20%
12	66	-1%	30%
13	51	1%	33%
14	40	11%	40%
15	45	37%	37%
16	49	21%	15%



BEAM DETAILS

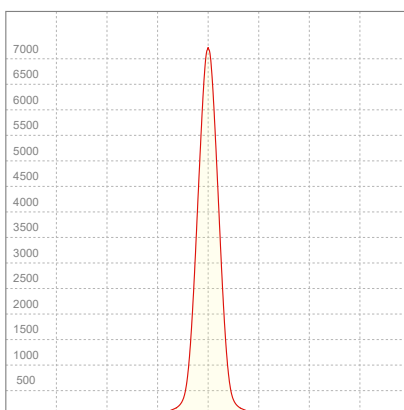
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	37,4°	54,4°	97,5%	93,9%



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	7206lx	1802lx	801lx	450lx	288lx	128lx	72lx	32lx	18lx	12lx	8lx	5lx	3lx
Footcand.	669fcd	167fcd	74fcd	42fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,3m	9,2m	11m	14,7m	18,3m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12ft	18,1ft	24,1ft	30,1ft	36,1ft	48,1ft	60,2ft

LINEAR DISTRIBUTION DIAGRAM

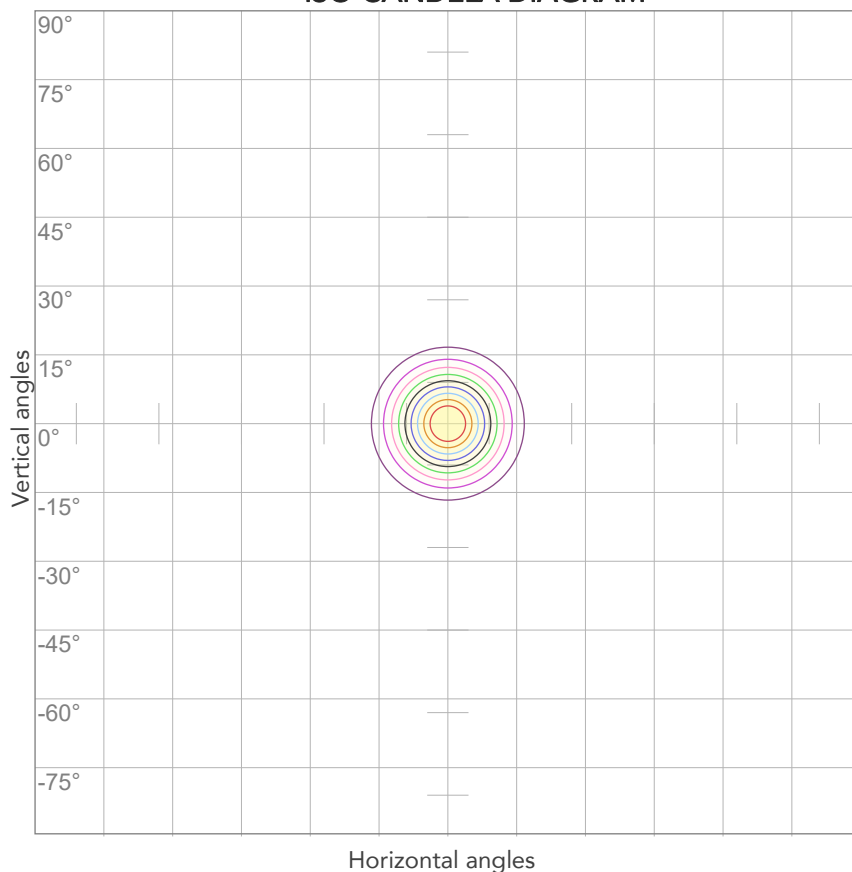


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,144A	29,0W	0,89	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



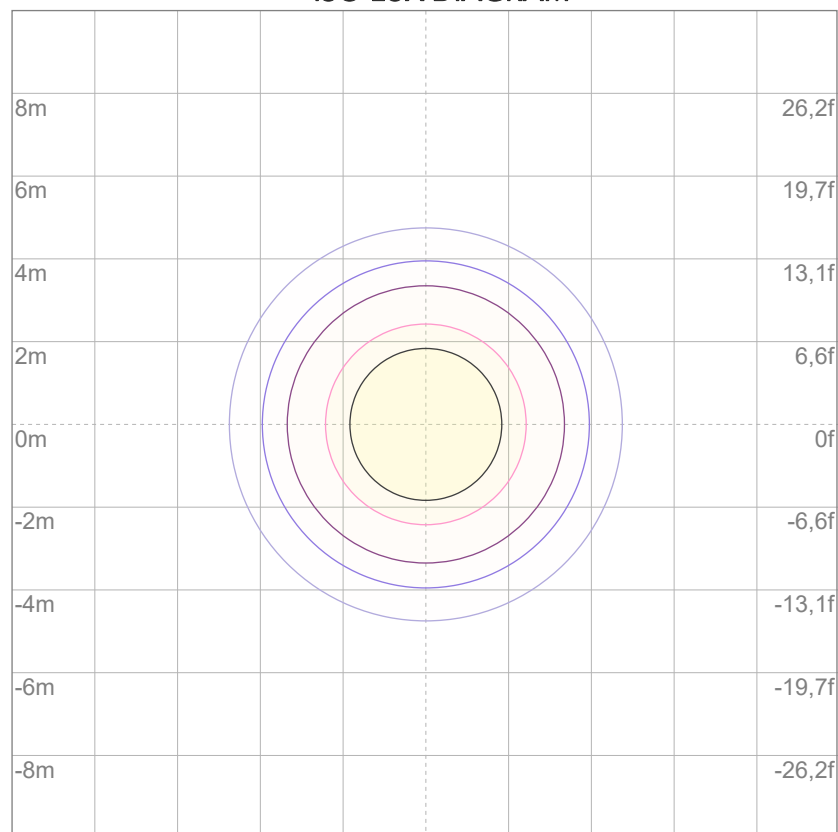
10%	721 cd
20%	1441 cd
30%	2162 cd
40%	2882 cd
50%	3603 cd
60%	4324 cd
70%	5044 cd
80%	5765 cd

Conditions:

Number of c-planes: 2

Candela at center: 7206 cd

ISO LUX DIAGRAM



3%	2,16 lx
5%	3,60 lx
10%	7,21 lx
30%	21,6 lx
50%	36,0 lx

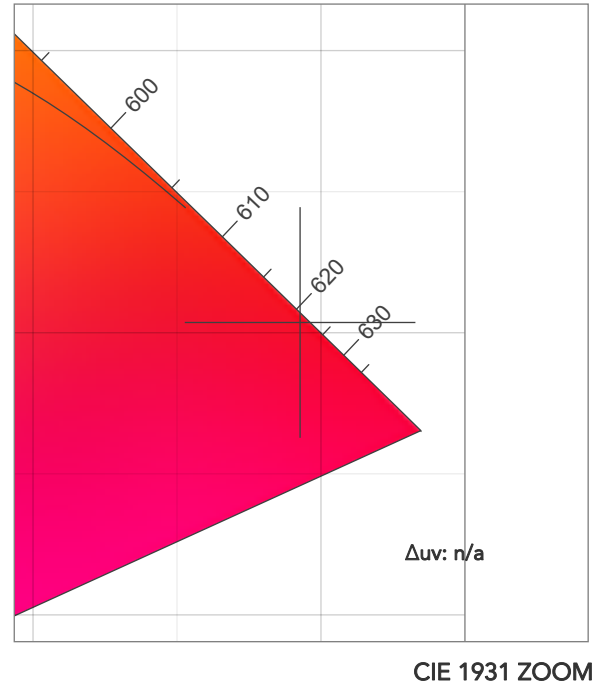
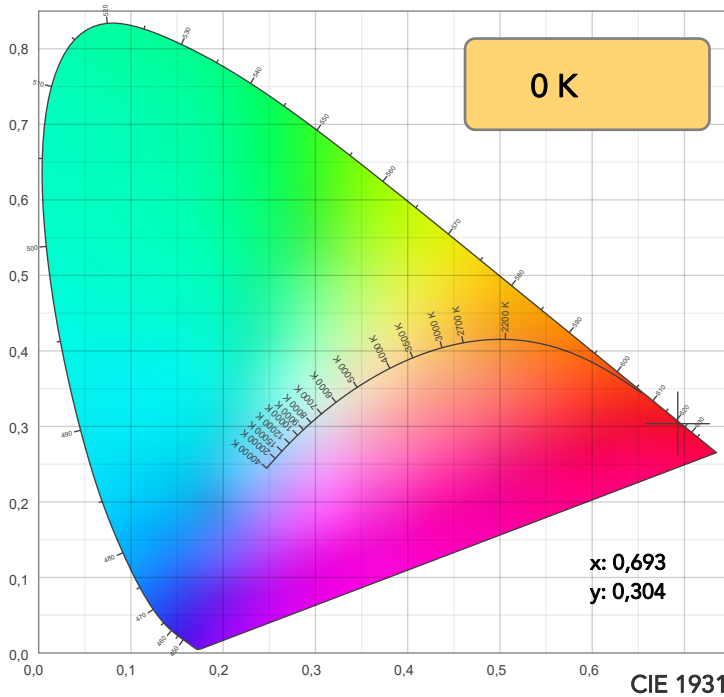
Conditions:

Number of c-planes: 2

Lux at center: 72,1 lx

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

COLOR DETAILS



TM30: 0,0

CRI: 0,0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15		

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

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

COLOR PARAMETERS

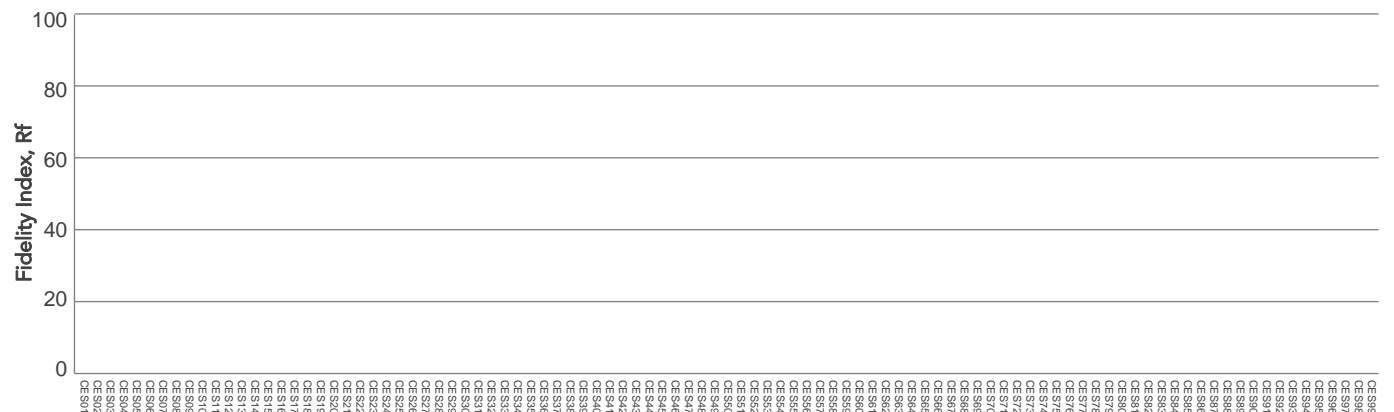
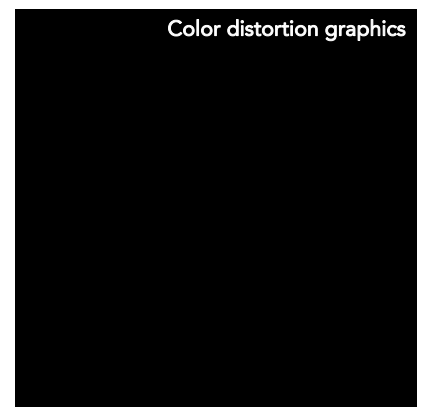
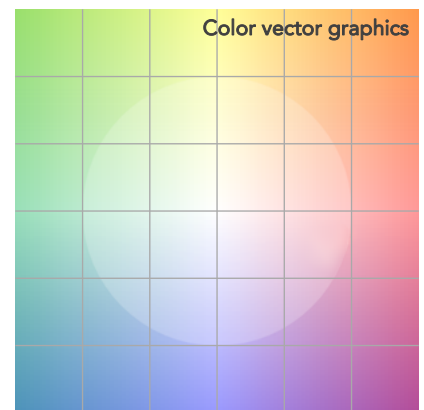
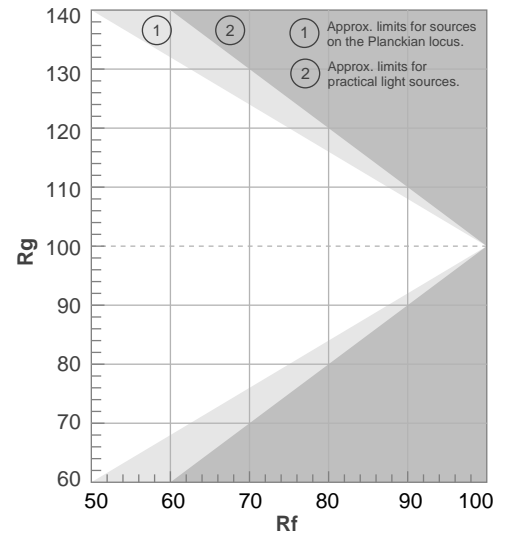
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting Index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
0 K	0,0	0,0	0,0	0,0	0,0	n/a	0,693	0,304	n/a

TM30 DETAILS

Rf 0,0
Fidelity index Rf

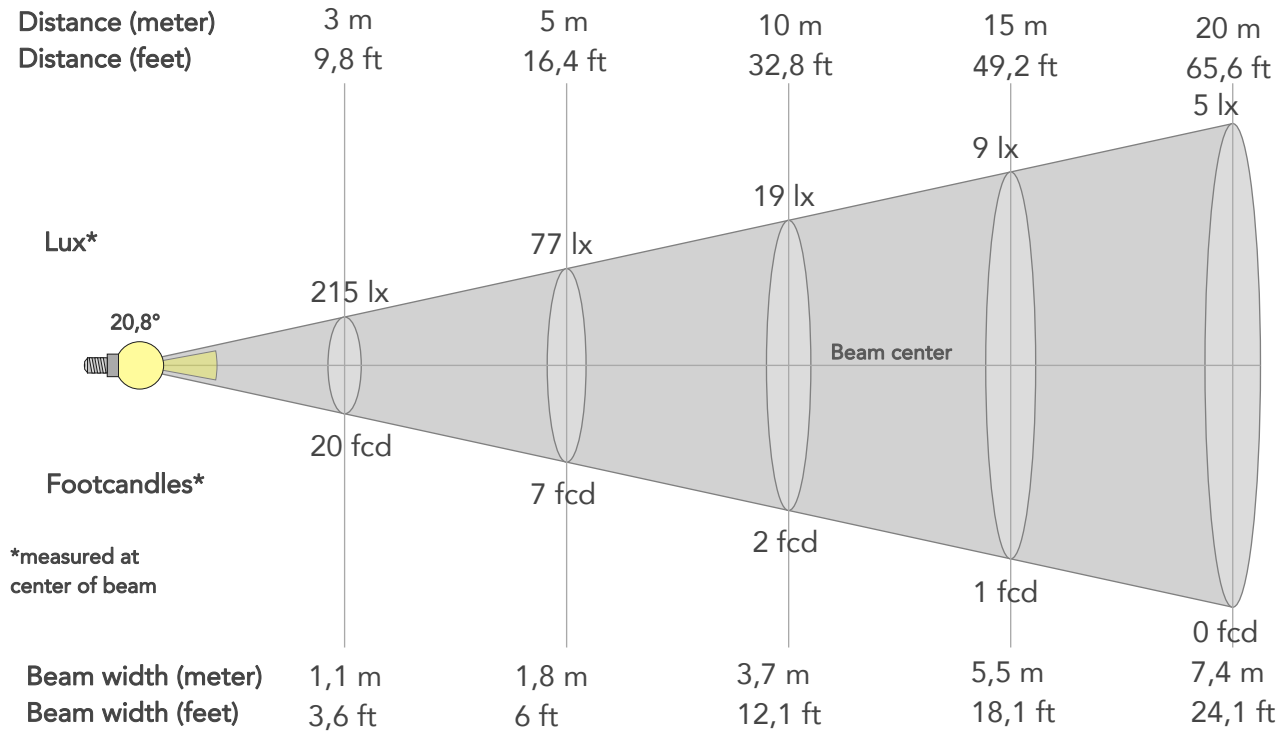
Rg 0,0
Gammut index

		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%



BEAM DETAILS

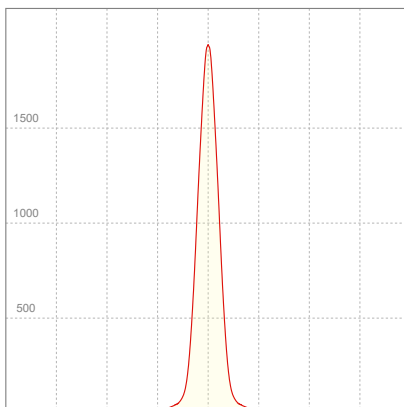
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,8°	37,2°	55,4°	95,8%	91,6%



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	1936lx	484lx	215lx	121lx	77lx	34lx	19lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	180fcd	45fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11m	14,7m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9ft	12,1ft	18,1ft	24,1ft	30,2ft	36,2ft	48,2ft	60,3ft

LINEAR DISTRIBUTION DIAGRAM

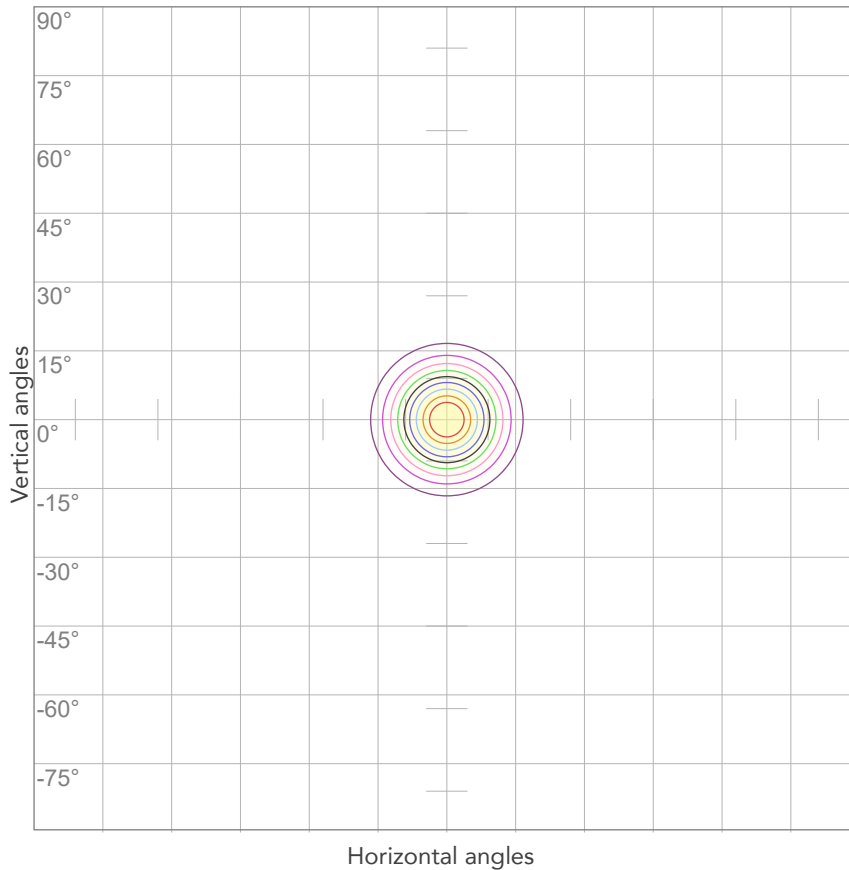


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,083A	10,9W	0,57	32lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



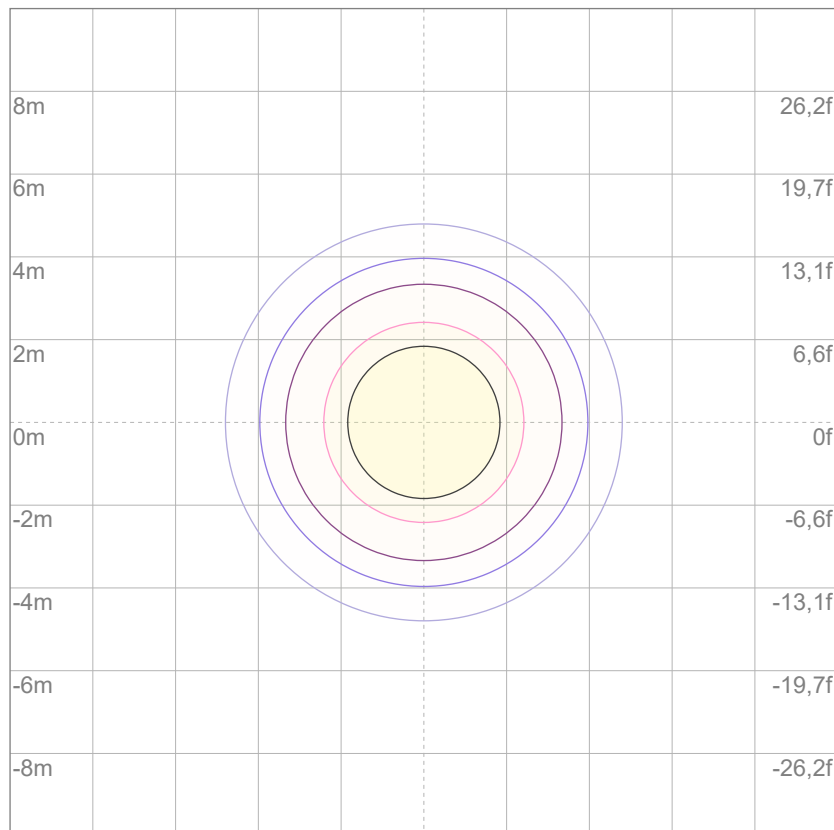
10%	194 cd
20%	387 cd
30%	581 cd
40%	774 cd
50%	968 cd
60%	1162 cd
70%	1355 cd
80%	1549 cd

Conditions:

Number of c-planes: 2

Candela at center: 1936 cd

ISO LUX DIAGRAM



3%	0,581 lx
5%	0,968 lx
10%	1,94 lx
30%	5,81 lx
50%	9,68 lx

Conditions:

Number of c-planes: 2

Lux at center: 19,4 lx

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



Total lumen output:

806 lm

Peak candela output:

4679 cd

Light quality:

CRI: 0,0

Color temperature:

0 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

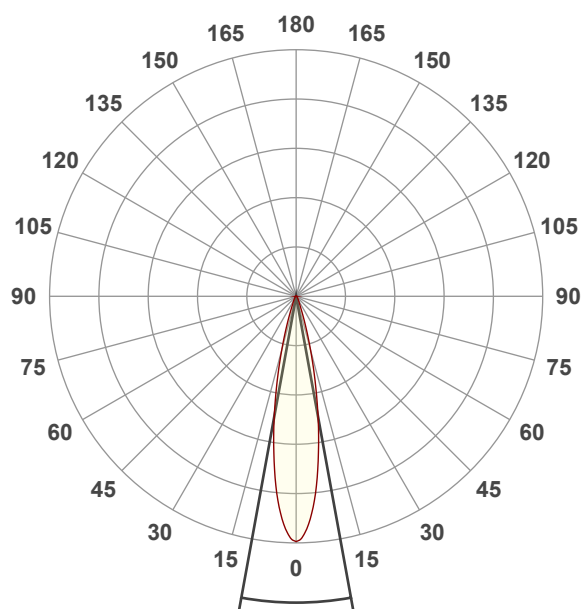
Green

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:51:13

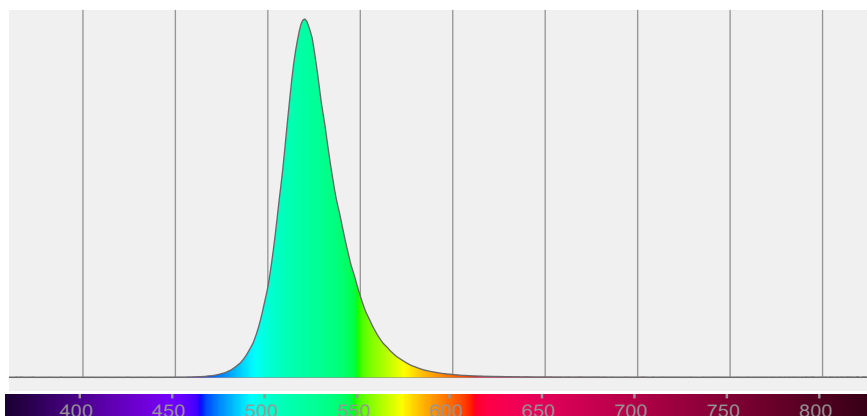


Beam angle 50%: 20,6°

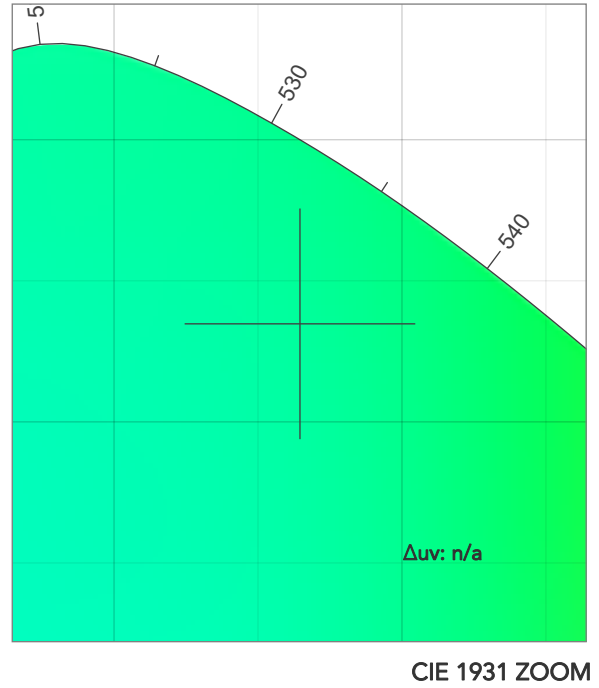
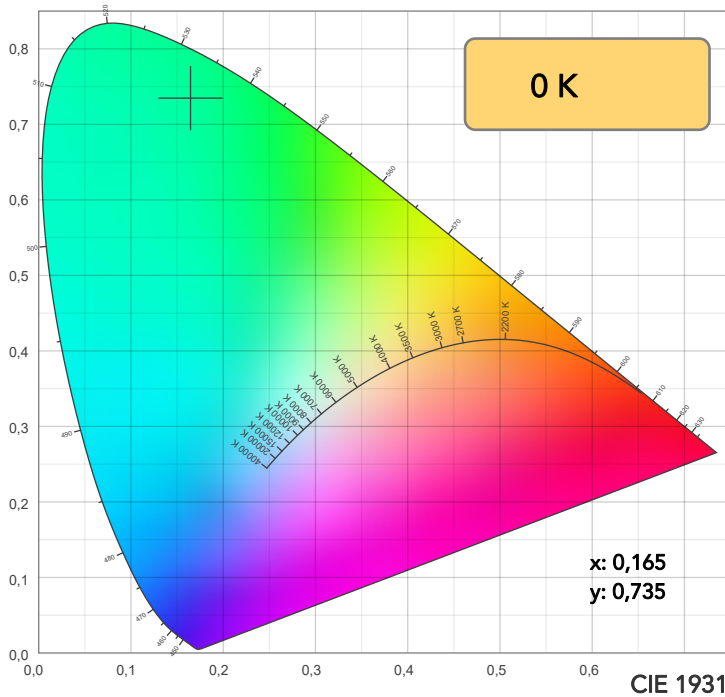
Field angle 10%: 37,4°

Cut off angle 2.5%: 54,4°

Spectra

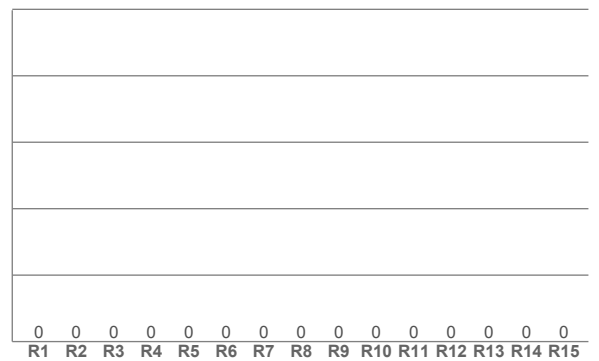
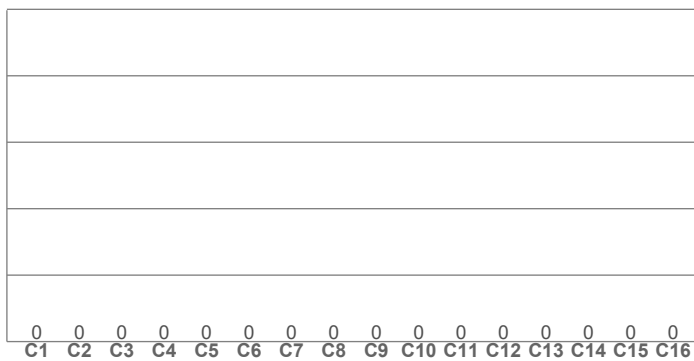


COLOR DETAILS



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

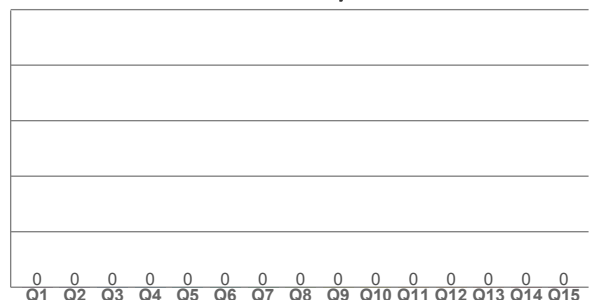
TM30 C values, 16 binned values out of total of 99 C values

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

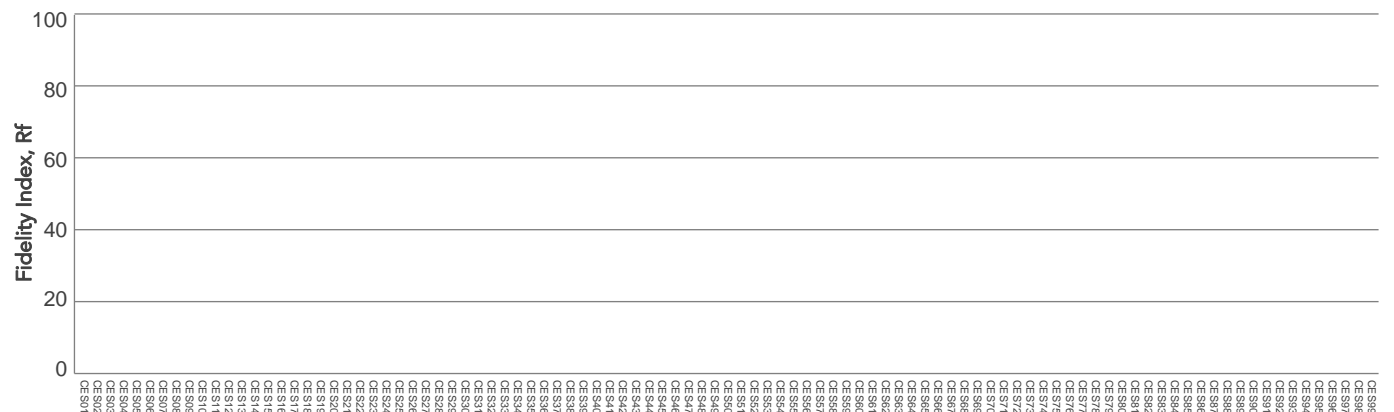
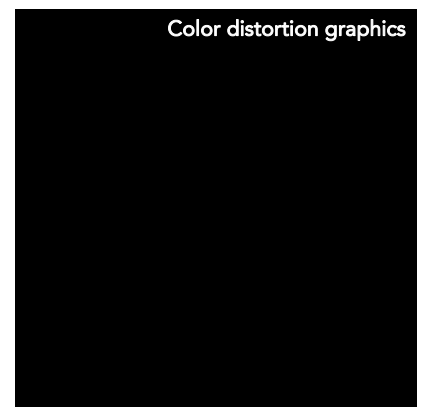
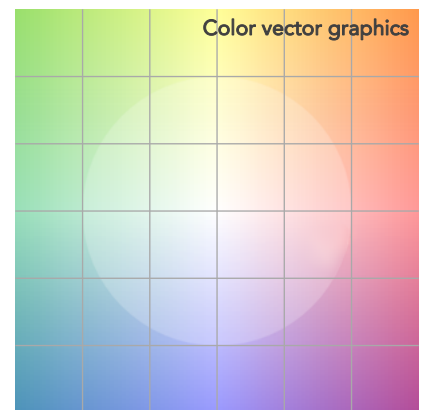
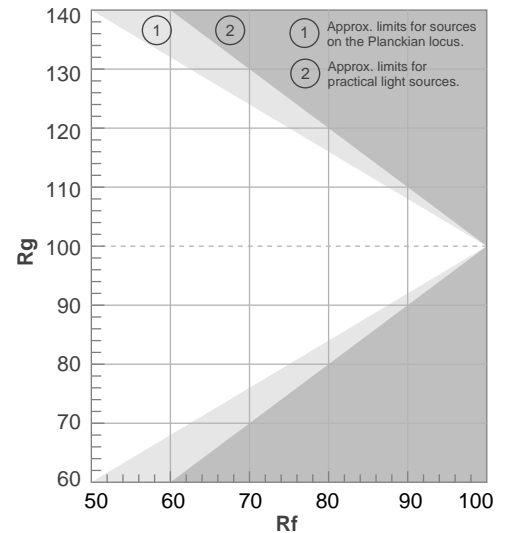
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
0 K	0,0	0,0	0,0	0,0	0,0	n/a	0,165	0,735	n/a

TM30 DETAILS

Rf 0,0
Fidelity index Rf

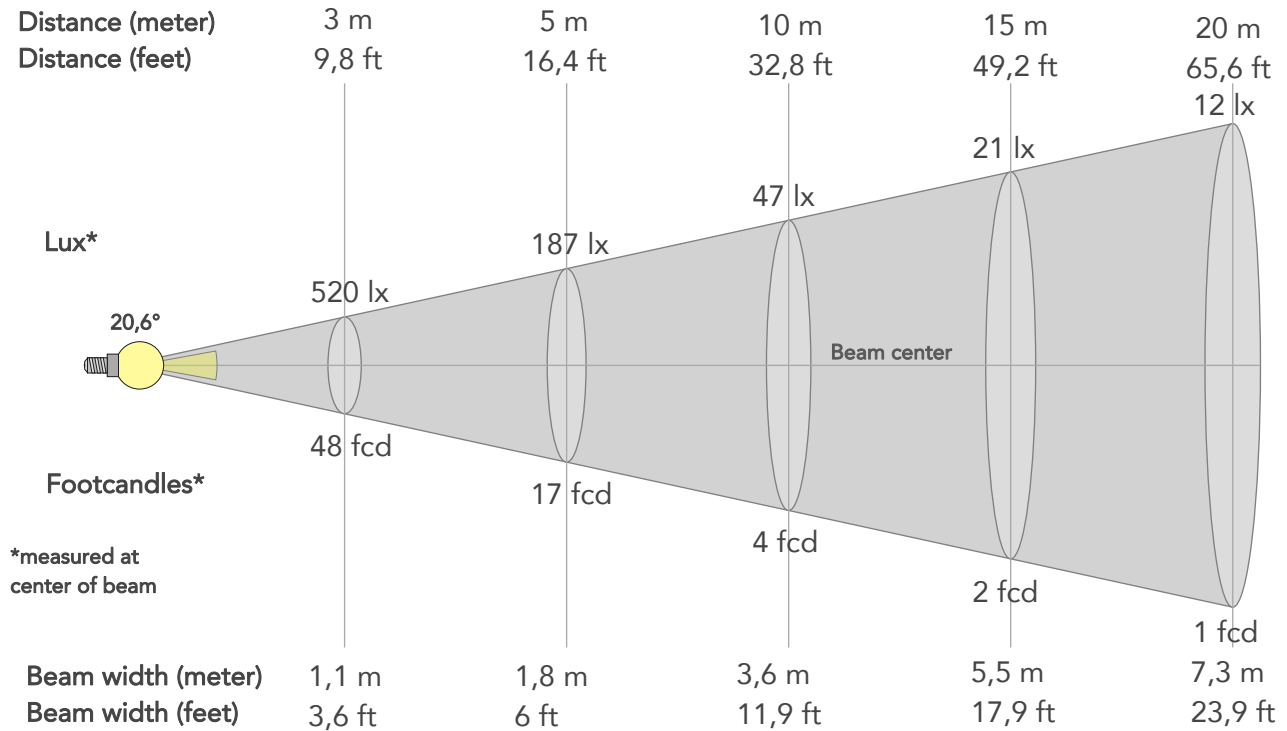
Rg 0,0
Gammut index

		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%



BEAM DETAILS

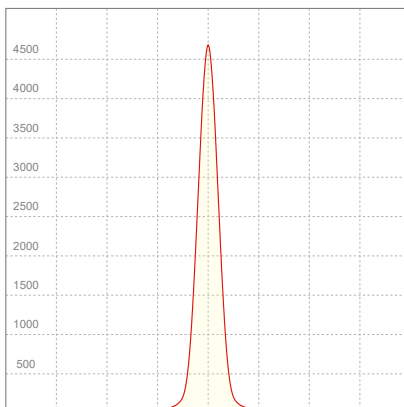
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,6°	37,4°	54,4°	97,5%	93,9%



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	4679lx	1170lx	520lx	292lx	187lx	83lx	47lx	21lx	12lx	7lx	5lx	3lx	2lx
Footcand.	435fcd	109fcd	48fcd	27fcd	17fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,7m	3,6m	5,5m	7,3m	9,1m	10,9m	14,6m	18,2m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	8,9ft	11,9ft	17,9ft	23,9ft	29,8ft	35,8ft	47,7ft	59,7ft

LINEAR DISTRIBUTION DIAGRAM

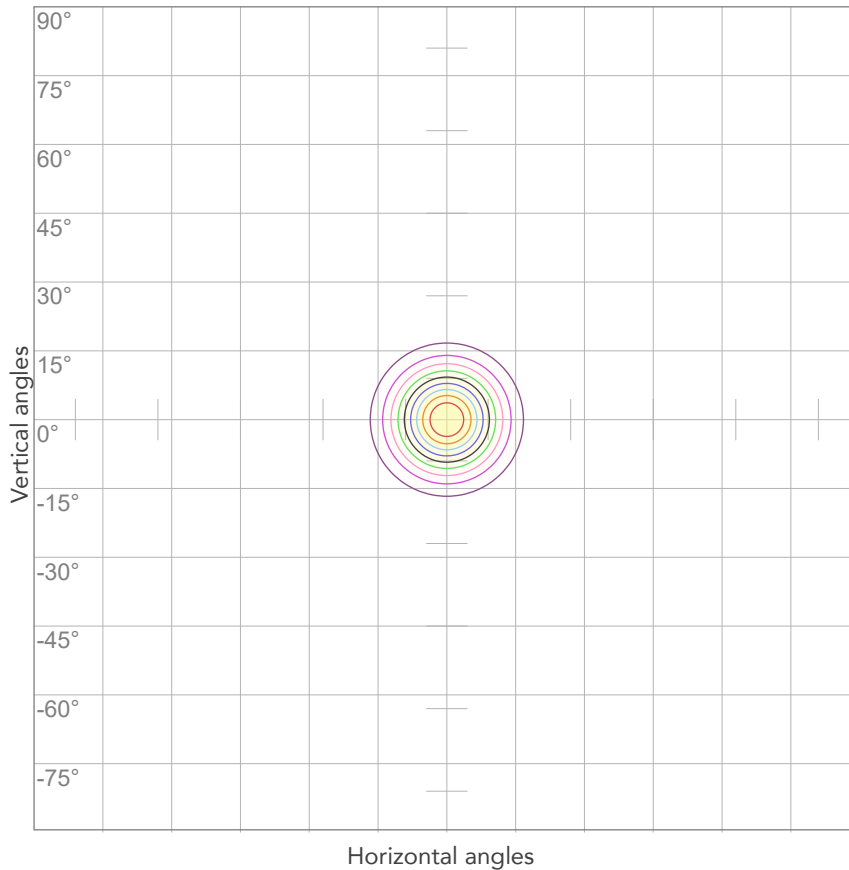


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,090A	13,6W	0,67	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



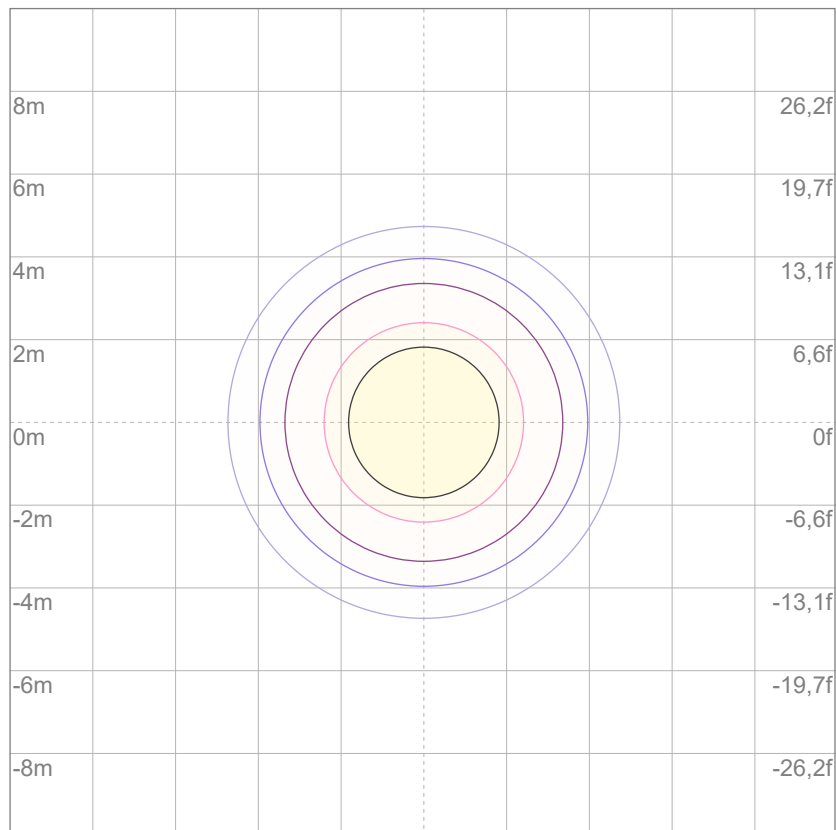
10%	468 cd
20%	936 cd
30%	1404 cd
40%	1872 cd
50%	2339 cd
60%	2807 cd
70%	3275 cd
80%	3743 cd

Conditions:

Number of c-planes: 2

Candela at center: 4679 cd

ISO LUX DIAGRAM



3%	1,40 lx
5%	2,34 lx
10%	4,68 lx
30%	14,0 lx
50%	23,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 46,8 lx

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



Total lumen output:

166 lm

Peak candela output:

841 cd

Light quality:

CRI: 0,0

Color temperature:

0 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

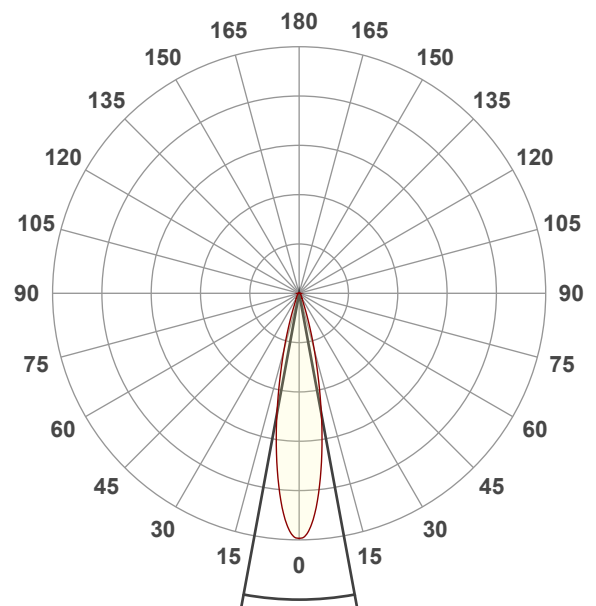
Blue

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:52:39

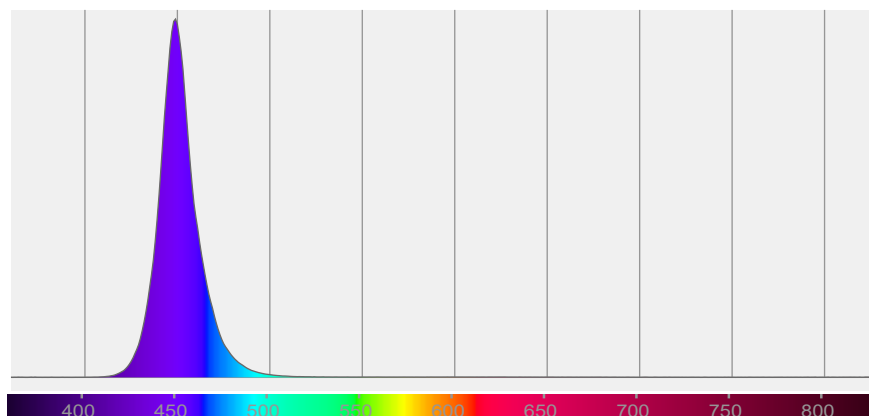


Beam angle 50%: 20,9°

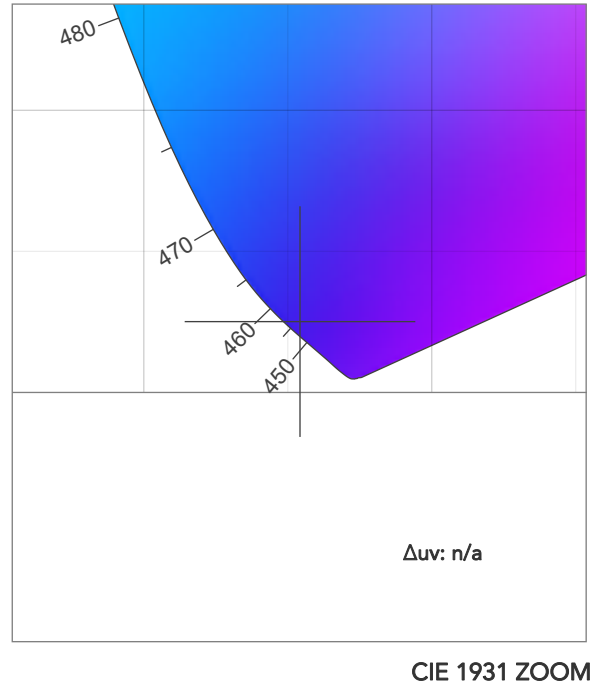
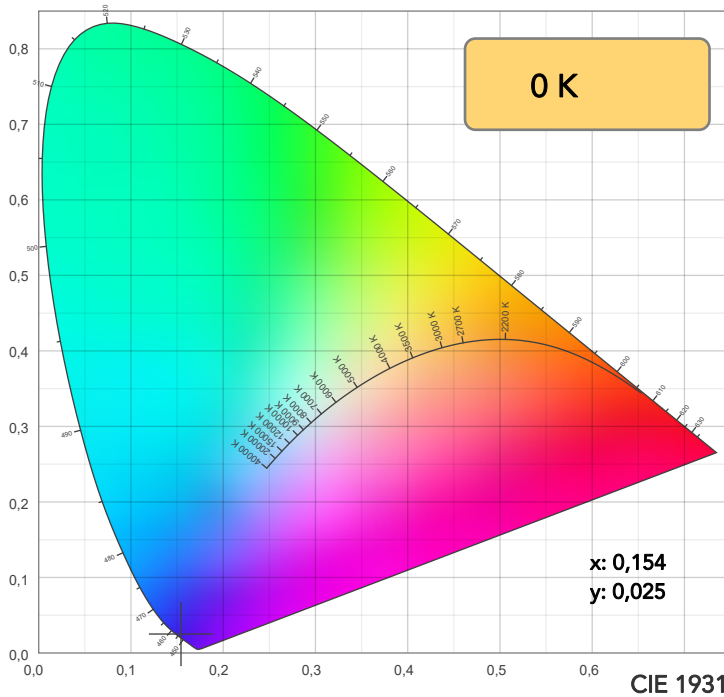
Field angle 10%: 38,2°

Cut off angle 2.5%: 59,3°

Spectra



COLOR DETAILS



0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15		

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

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

COLOR PARAMETERS

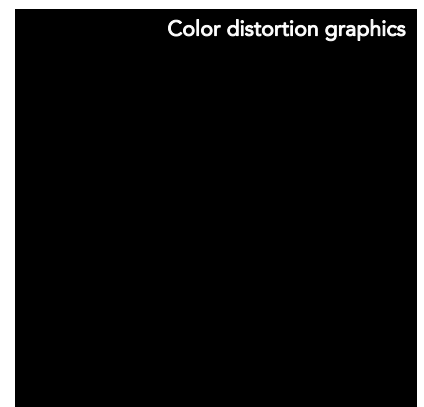
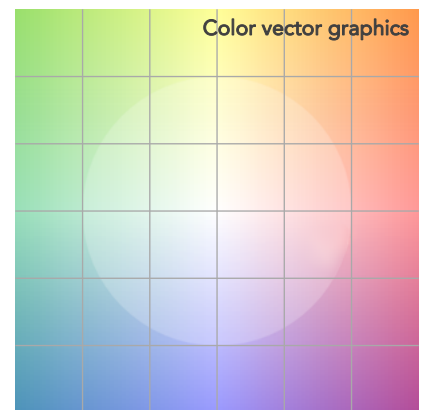
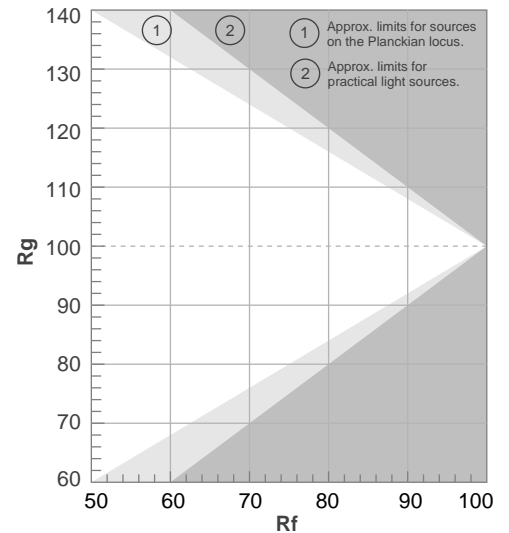
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting Index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
0 K	0,0	0,0	0,0	0,0	0,0	n/a	0,154	0,025	n/a

TM30 DETAILS

Rf 0,0
Fidelity index Rf

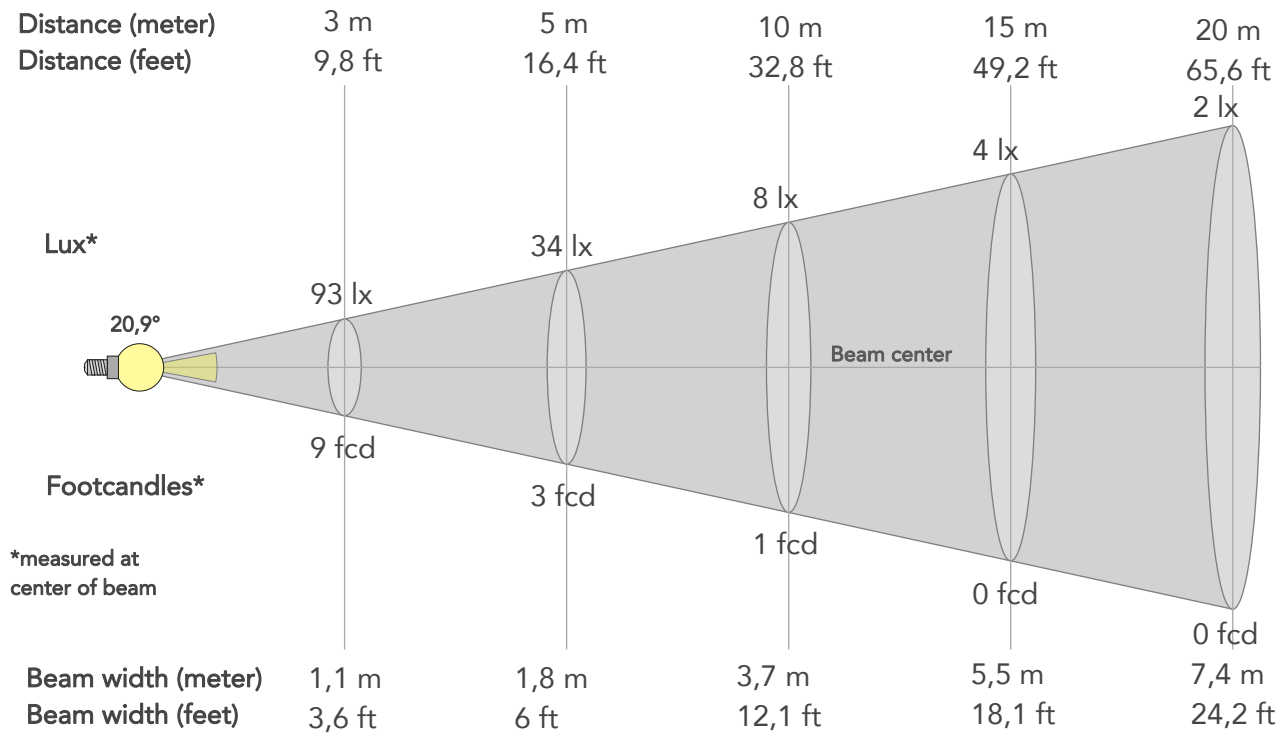
Rg 0,0
Gammut index

		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%



BEAM DETAILS

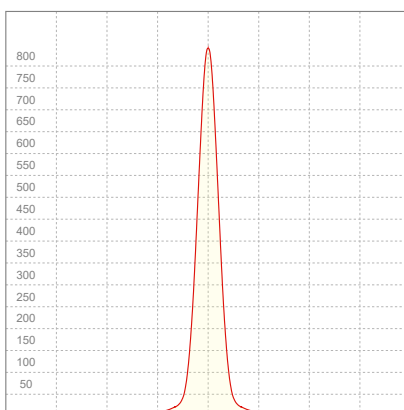
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,9°	38,2°	59,3°	92,4%	87,0%



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	841lx	210lx	93lx	53lx	34lx	15lx	8lx	4lx	2lx	1lx	1lx	1lx	0lx
Footcand.	78fcd	20fcd	9fcd	5fcd	3fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11,1m	14,8m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9,1ft	12,1ft	18,1ft	24,2ft	30,2ft	36,3ft	48,4ft	60,5ft

LINEAR DISTRIBUTION DIAGRAM

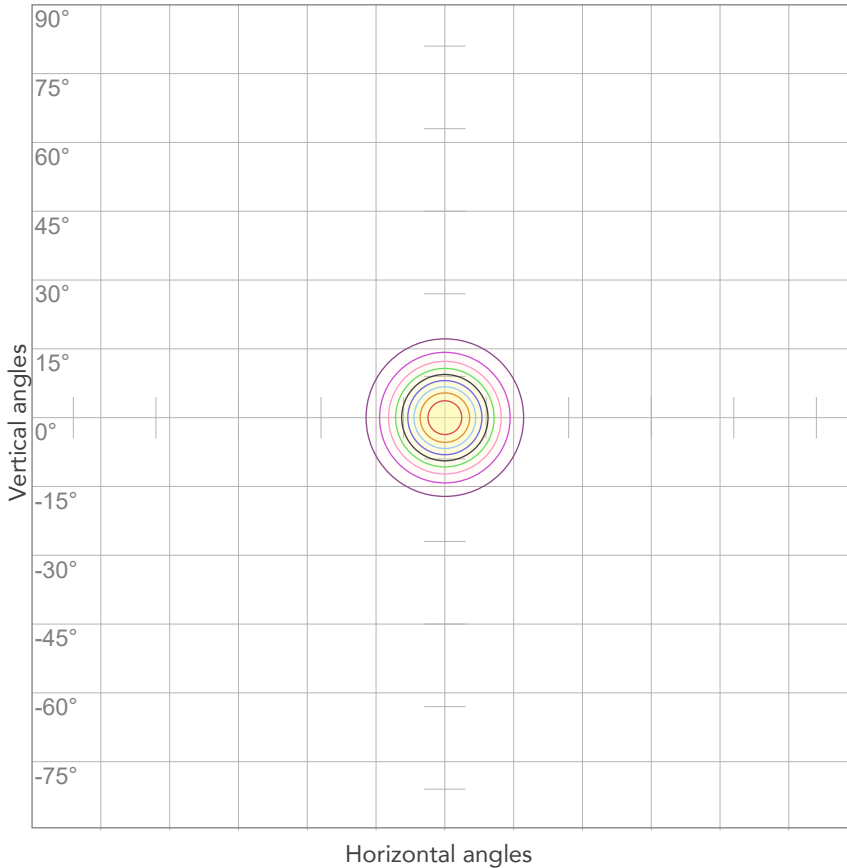


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,091A	14,1W	0,68	12lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



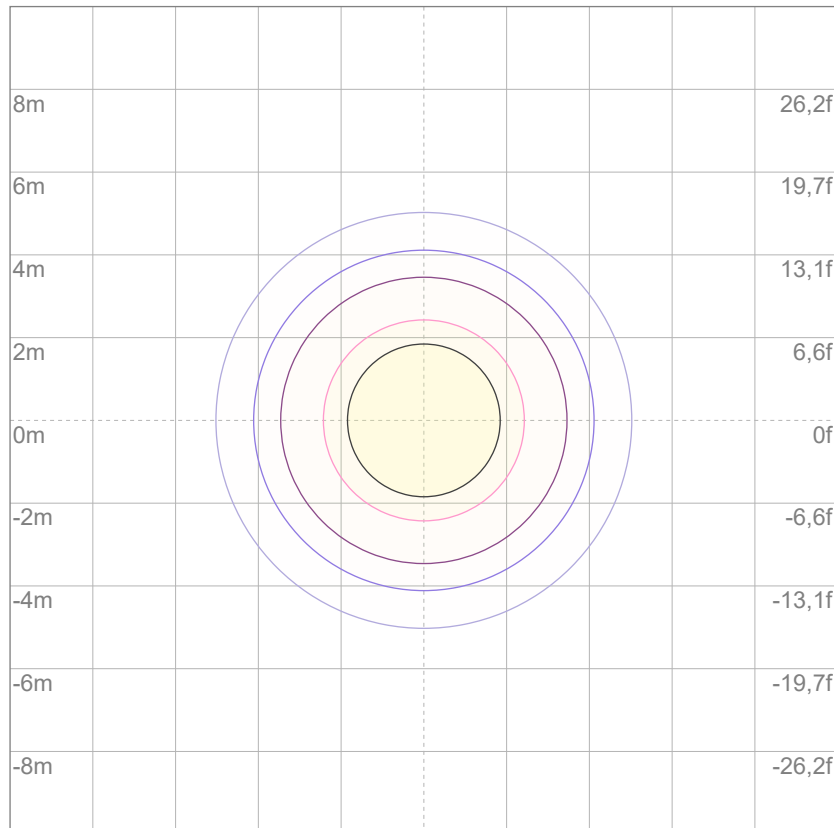
10%	84 cd
20%	168 cd
30%	252 cd
40%	336 cd
50%	420 cd
60%	504 cd
70%	588 cd
80%	672 cd

Conditions:

Number of c-planes: 2

Candela at center: 841 cd

ISO LUX DIAGRAM



3%	0,252 lx
5%	0,420 lx
10%	0,841 lx
30%	2,52 lx
50%	4,20 lx

Conditions:

Number of c-planes: 2

Lux at center: 8,41 lx

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



Total lumen output:

955 lm

Peak candela output:

5527 cd

Light quality:

CRI: 83,3

Color temperature:

2901 K

PRODUCT NAME:

ARCSPOTSFC

MEASURAMENT CONDITIONS:

Beam angle:

25°

Target:

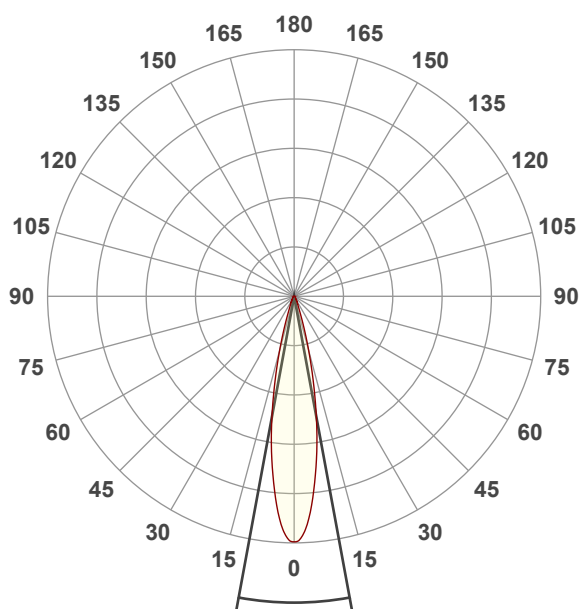
White

Operator:

Giacomo Matteo

Date and time:

10/02/2024 09:54:05

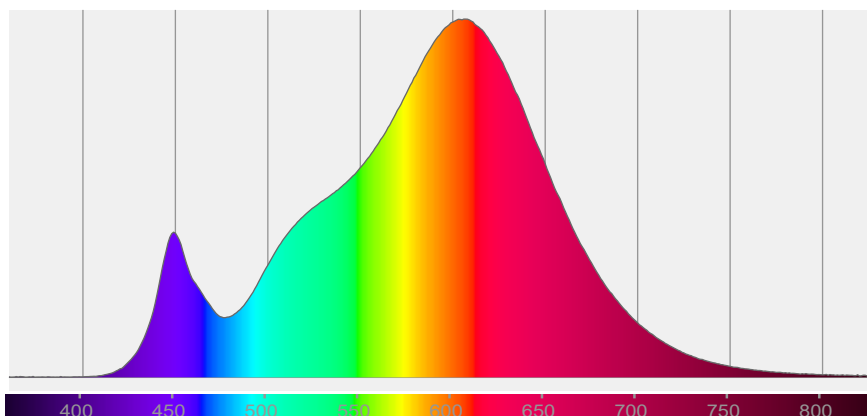


Beam angle 50%: 20,9°

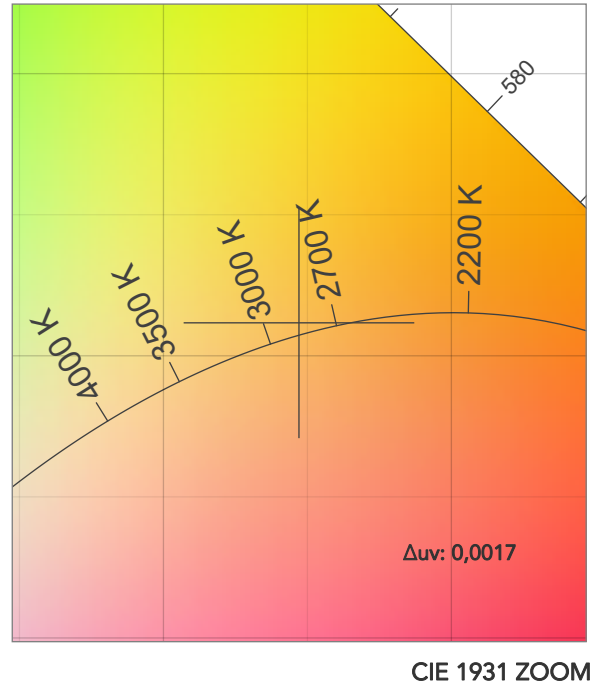
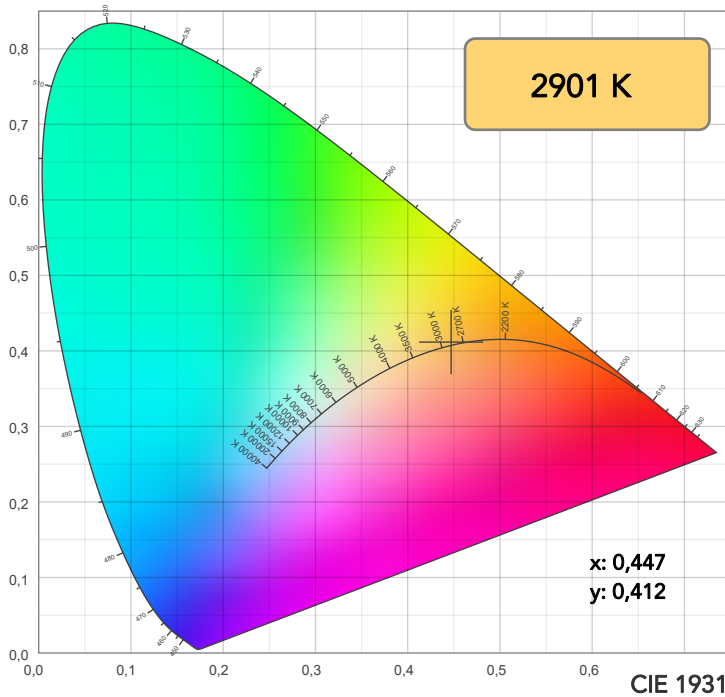
Field angle 10%: 37,1°

Cut off angle 2.5%: 54,4°

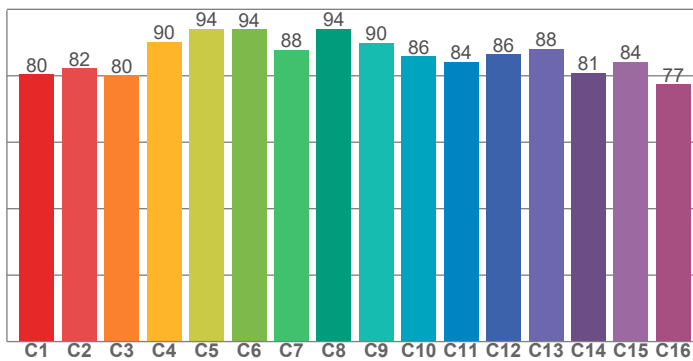
Spectra



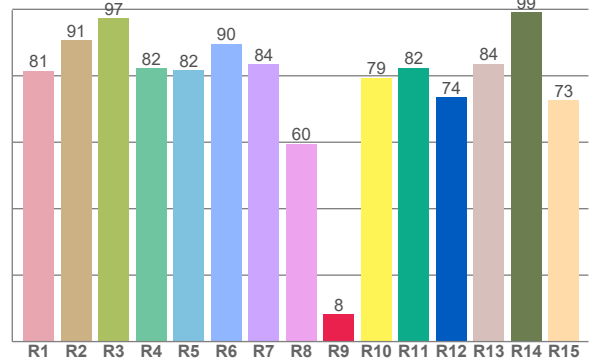
COLOR DETAILS



TM30: 86,1



CRI: 83,3 (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
81,5	90,8	97,3	82,3	81,7	89,7	83,6	59,6	8,2	79,4	82,4	73,5	83,6	99,1	72,7

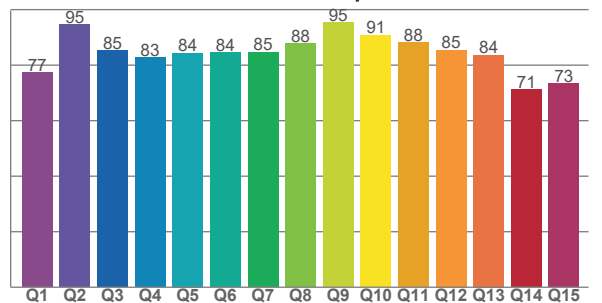
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,4	82,2	80,2	90,2	94,2	93,9	87,8	94,1	89,9	85,8	84,2	86,5	88,1	80,9	84,1	77,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77,4	94,6	85,3	82,8	84,5	84,5	84,6	87,7	95,3	90,8	88,2	85,4	83,7	71,2	73,3

CQS: 83,1



COLOR PARAMETERS

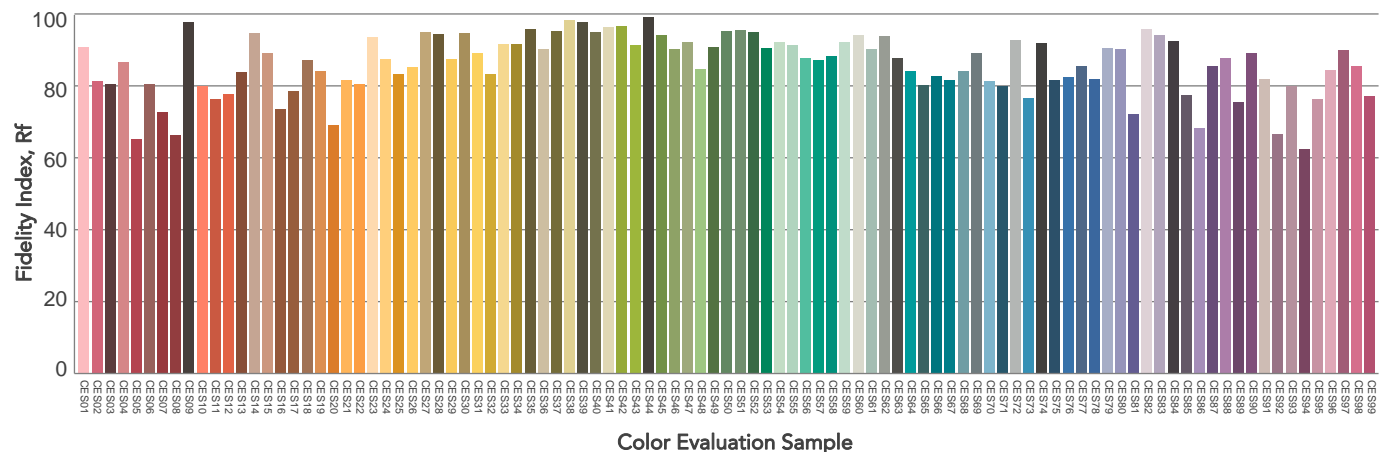
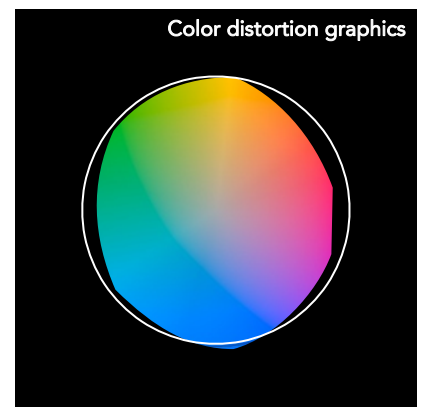
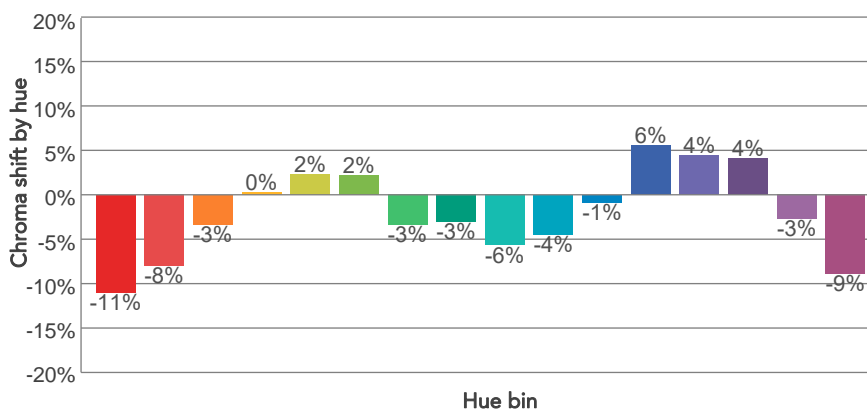
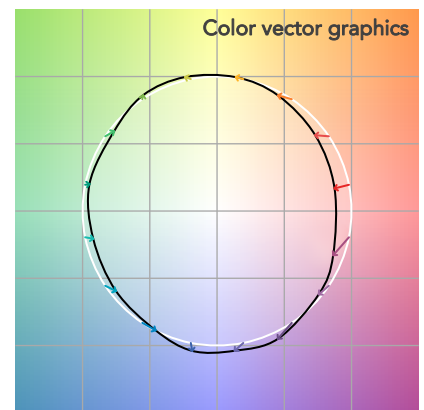
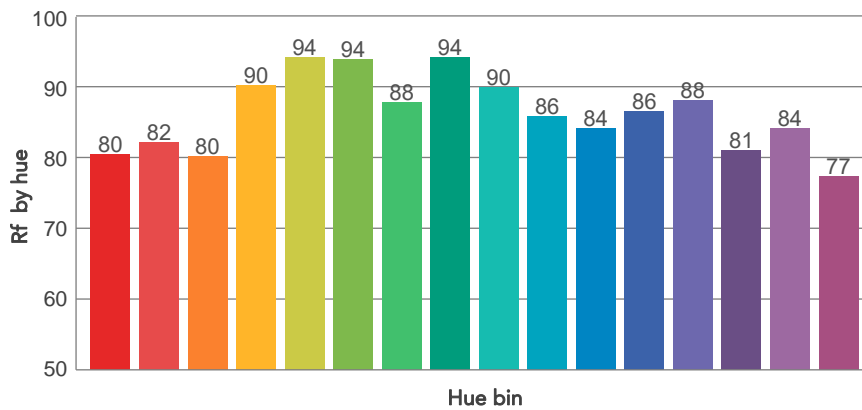
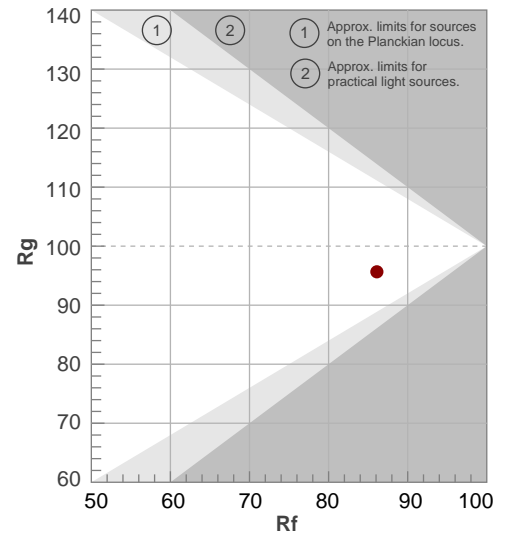
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2901 K	83,3	8,2	86,1	95,7	83,1	70	0,447	0,412	0,0017

TM30 DETAILS

Rf 86,1
Fidelity index Rf

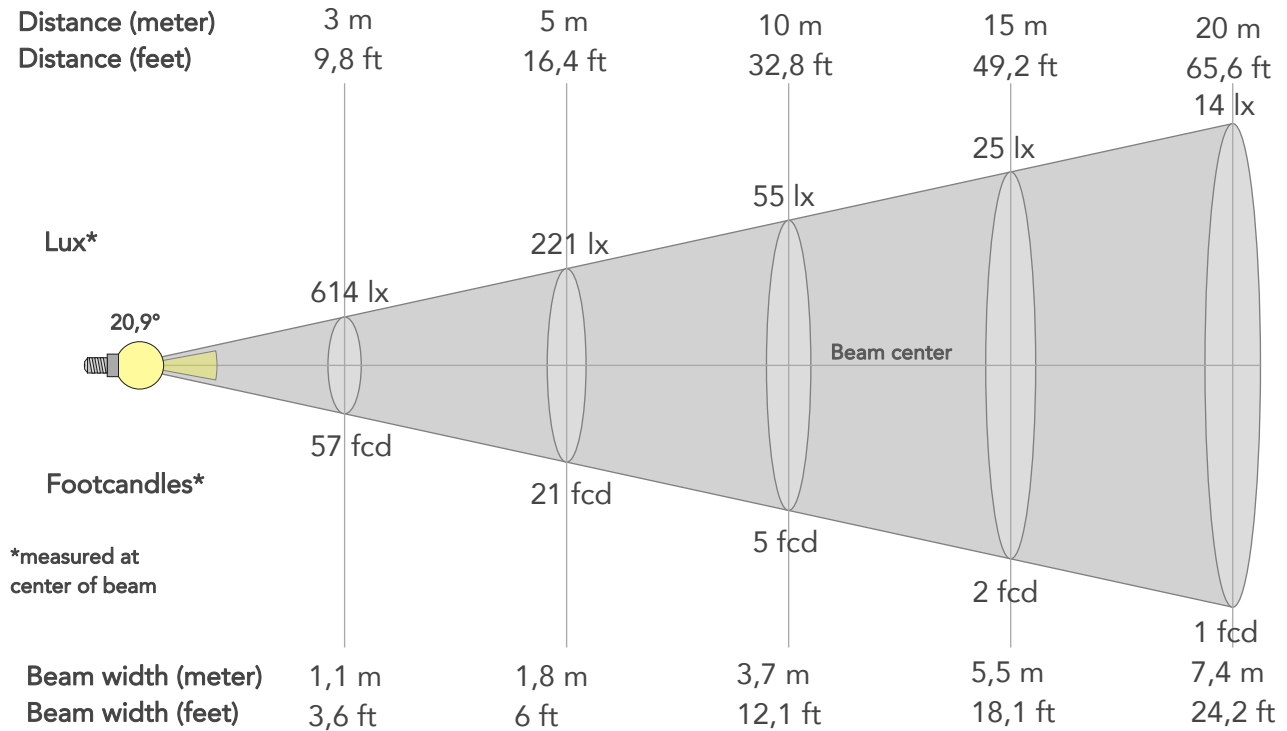
Rg 95,7
Gammut index

		Graphic shifts (%)	
Hue Bin	R _f	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	86	-4%	8%
11	84	-1%	11%
12	86	6%	2%
13	88	4%	-7%
14	81	4%	-15%
15	84	-3%	-9%
16	77	-9%	-15%



BEAM DETAILS

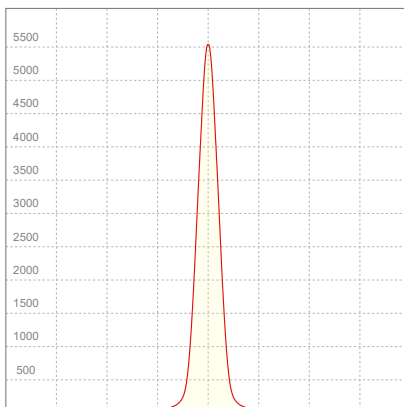
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
20,9°	37,1°	54,4°	97,5%	94,0%



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	5527lx	1382lx	614lx	345lx	221lx	98lx	55lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	513fcd	128fcd	57fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,4m	0,7m	1,1m	1,5m	1,8m	2,8m	3,7m	5,5m	7,4m	9,2m	11,1m	14,7m	18,4m
Beam wid.	1,2ft	2,4ft	3,6ft	4,8ft	6ft	9,1ft	12,1ft	18,1ft	24,2ft	30,2ft	36,3ft	48,3ft	60,4ft

LINEAR DISTRIBUTION DIAGRAM

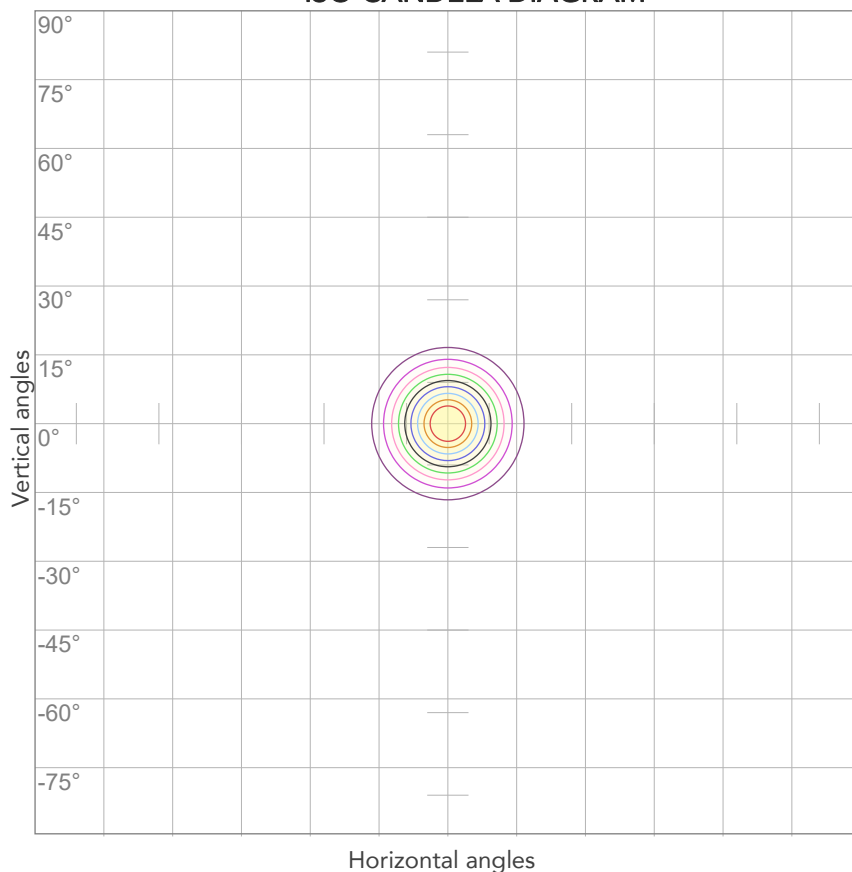


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,103A	17,6W	0,76	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



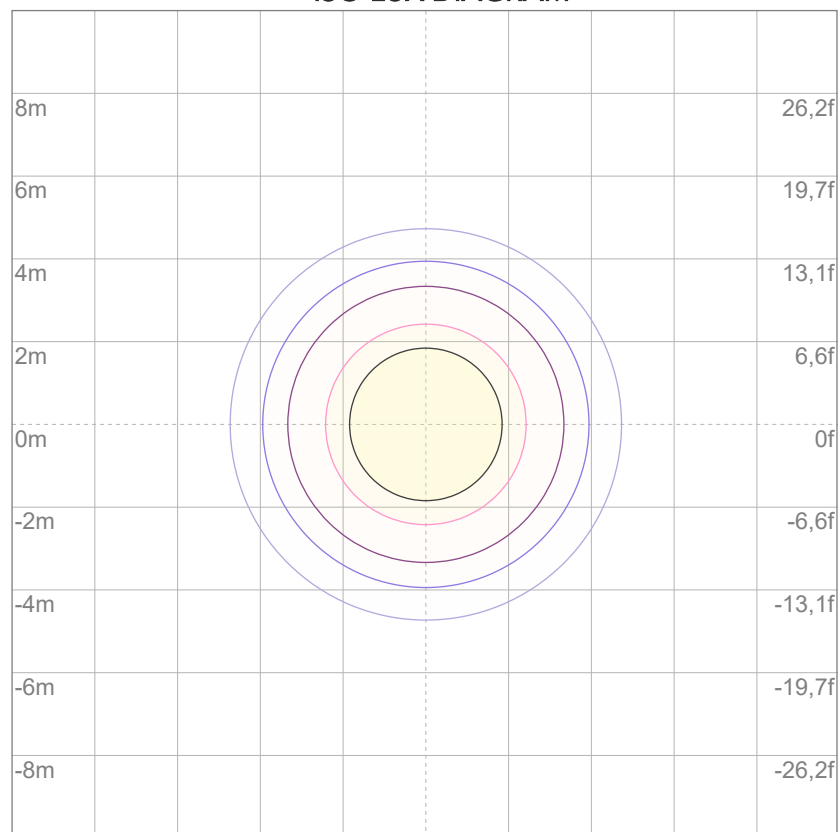
10%	553 cd
20%	1105 cd
30%	1658 cd
40%	2211 cd
50%	2763 cd
60%	3316 cd
70%	3869 cd
80%	4422 cd

Conditions:

Number of c-planes: 2

Candela at center: 5527 cd

ISO LUX DIAGRAM



3%	1,66 lx
5%	2,76 lx
10%	5,53 lx
30%	16,6 lx
50%	27,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 55,3 lx

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