

Photometric Test Report



ArcSpot LVW

IP66 Spot featuring 7'900 lumen with
19 x 4W Variable White source,
10° native

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Color preset 3200K

Beam angle 10°	125
Beam angle 10°+20° Filter	130
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Beam angle 10°+10°x60° Filter	175
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Beam angle 10°+20° Filter	190
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Beam angle 10°+60° Filter	200
Beam angle 10°+10°x60° Filter	205
Beam angle 10°+30°x60° Filter	210

Color preset 6500K

Beam angle 10°	215
Beam angle 10°+20° Filter	220
Beam angle 10°+40° Filter	225
Beam angle 10°+60° Filter	230
Beam angle 10°+10°x60° Filter	235
Beam angle 10°+30°x60° Filter	240

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:

7979 lm

Peak candela output:

157518 cd

Light quality:

CRI: 96,5

Color temperature:

4434 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

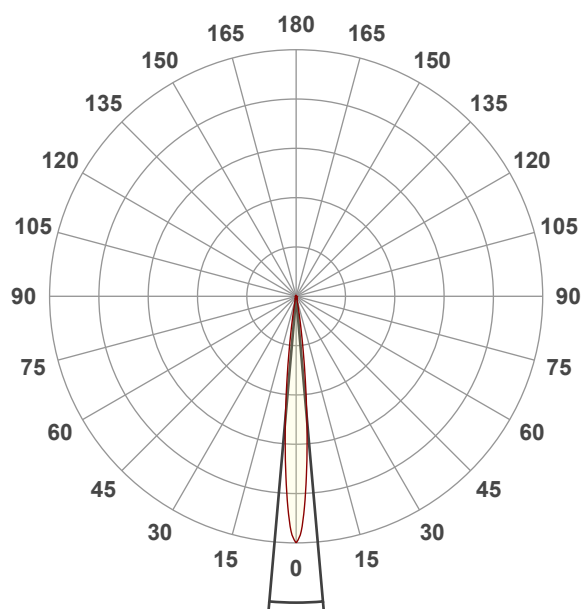
Full On

Operator:

Salvatore Giglio

Date and time:

10/05/2024 16:26:51

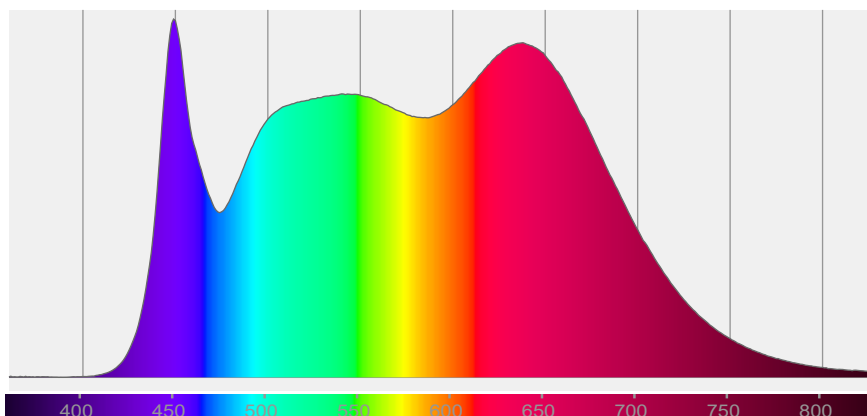


Beam angle 50%: 10°

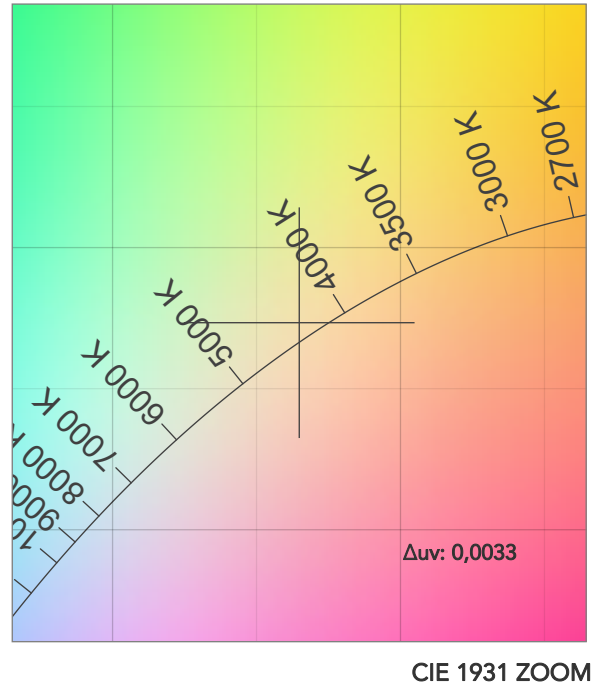
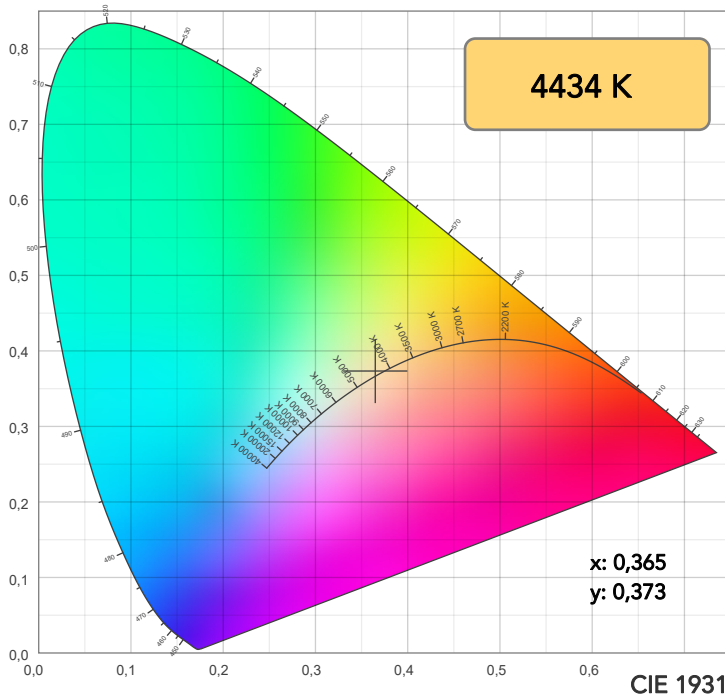
Field angle 10%: 18,3°

Cut off angle 2.5%: 24,6°

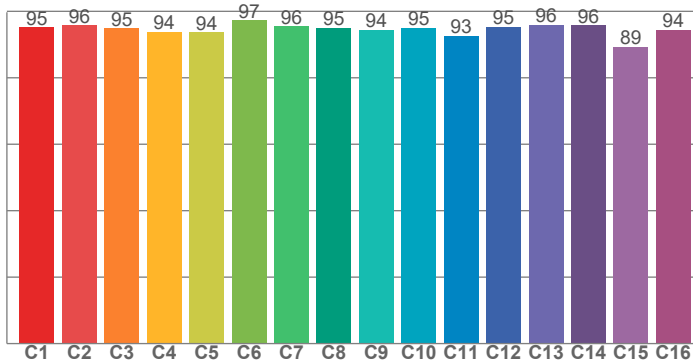
Spectra



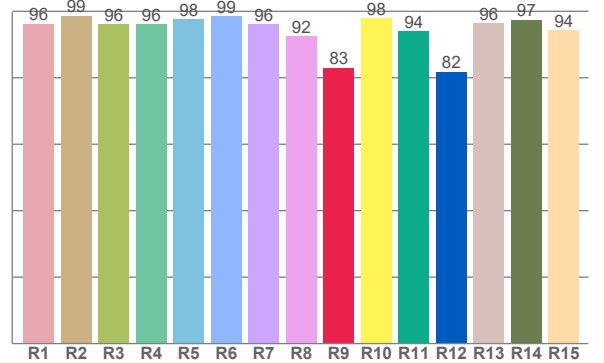
COLOR DETAILS



TM30: 94,5



CRI: 96,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	98,7	96,2	96,2	97,7	98,6	96,2	92,5	83,0	98,0	94,1	81,8	96,4	97,5	94,3

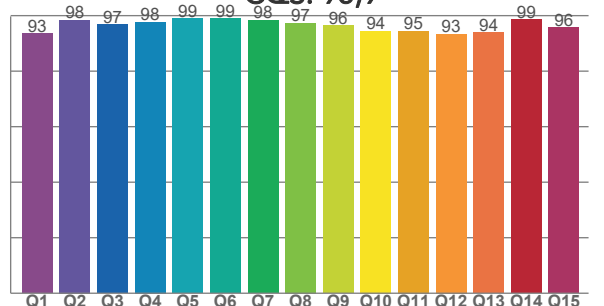
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	95,8	94,8	93,8	93,7	97,3	95,5	95,0	94,3	94,9	92,7	95,4	95,9	95,8	89,4	94,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,5	98,4	96,7	97,8	99,0	98,9	98,3	97,3	96,5	94,5	94,5	93,3	93,9	98,6	95,7

CQS: 95,9



COLOR PARAMETERS

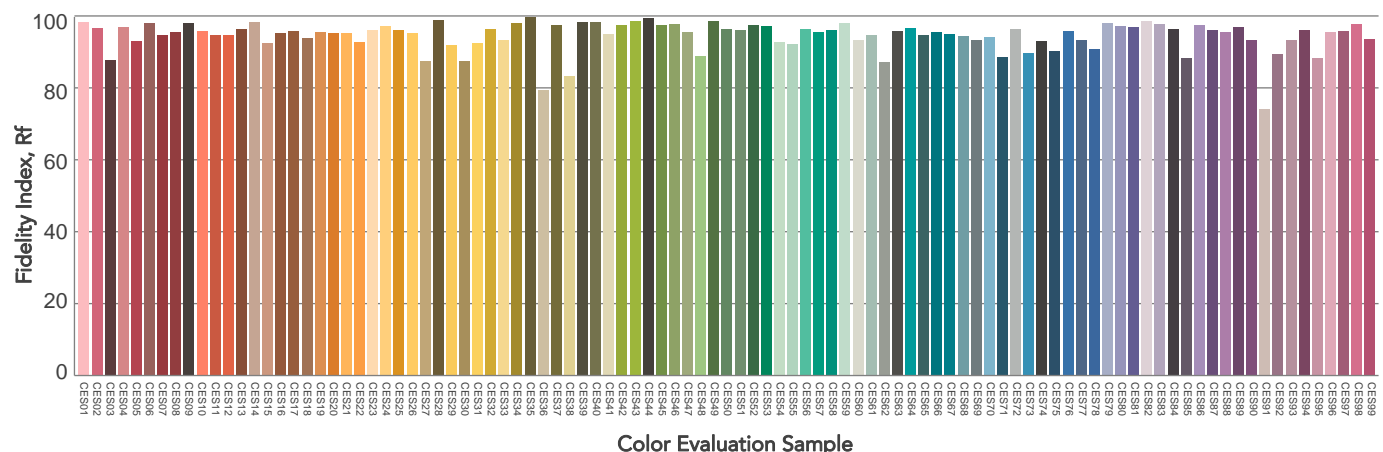
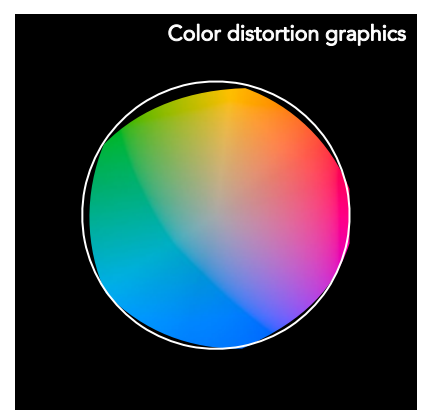
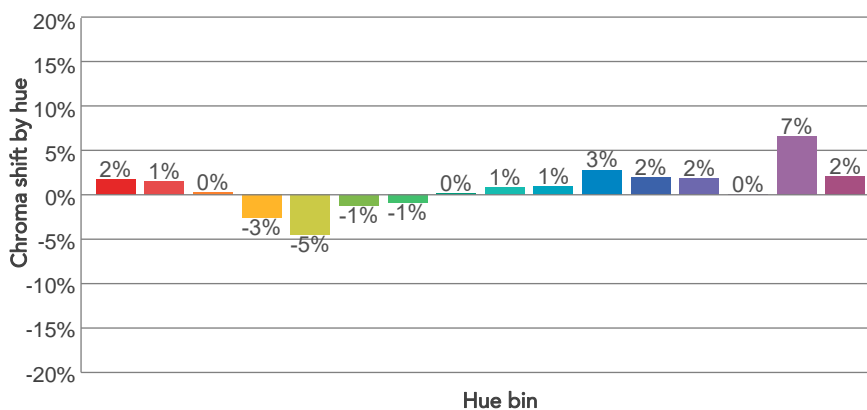
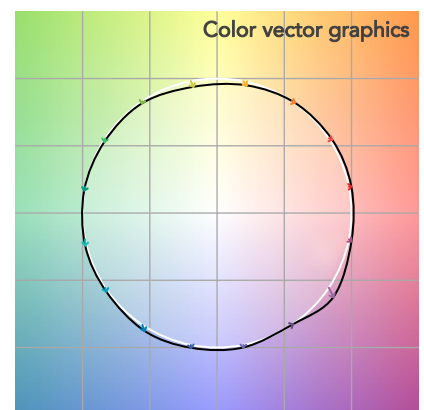
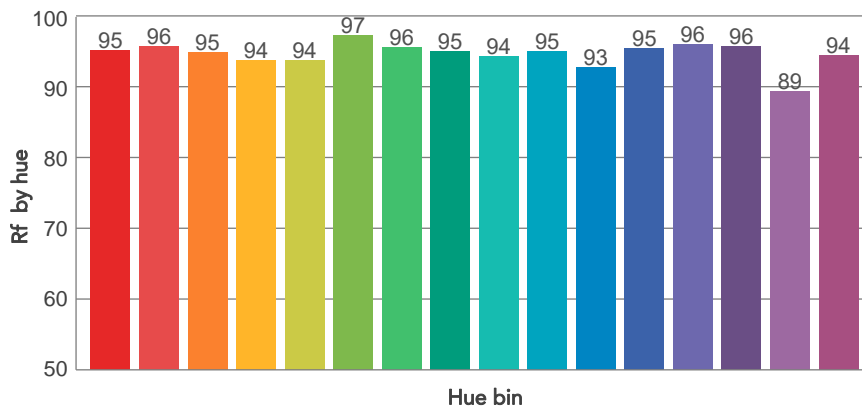
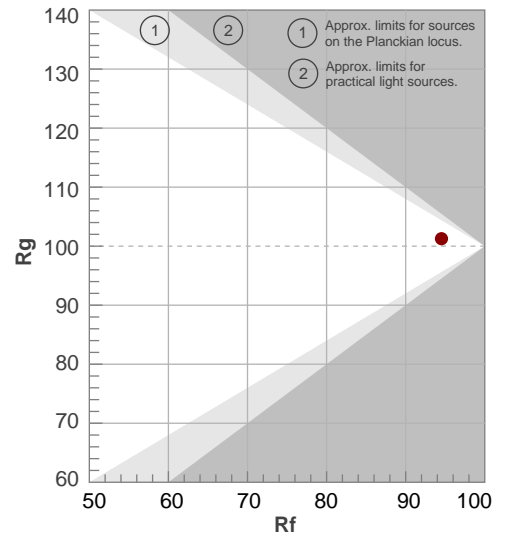
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4434 K	96,5	83,0	94,5	101,3	95,9	99	0,365	0,373	0,0033

TM30 DETAILS

Rf 94,5
Fidelity index Rf

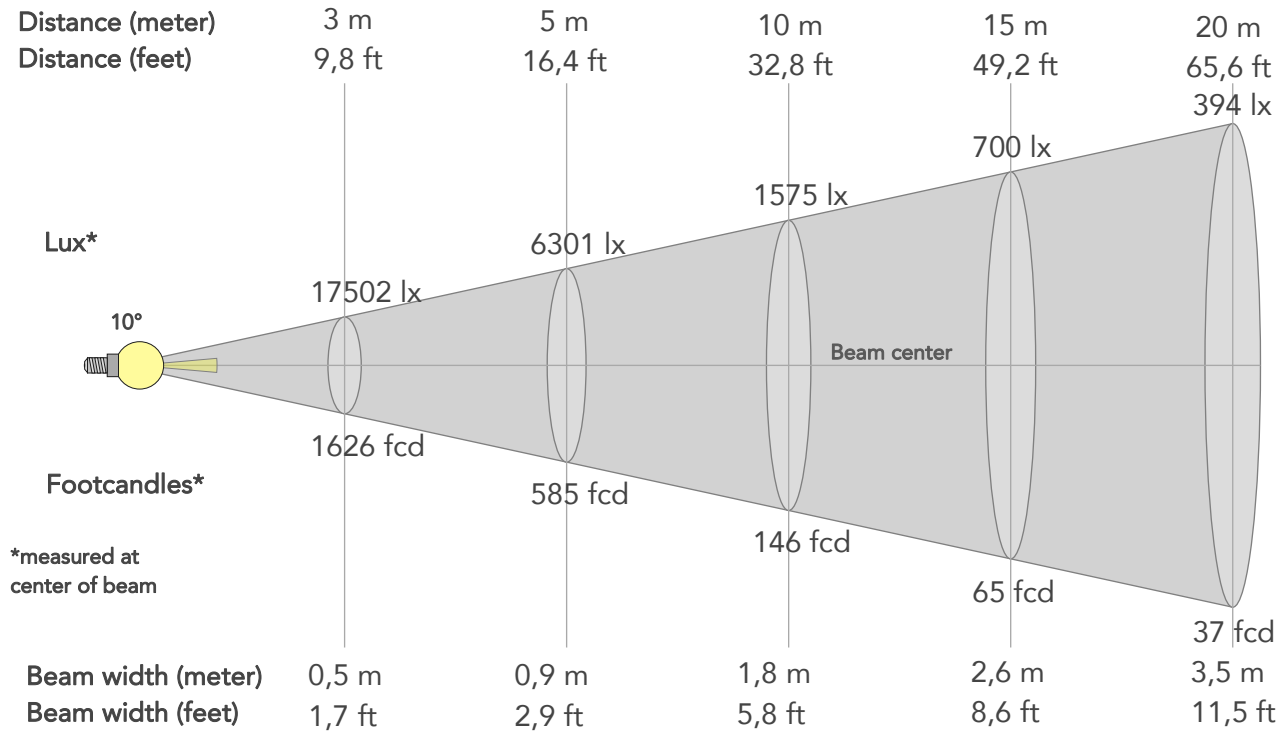
Rg 101,3
Gammut index

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



BEAM DETAILS

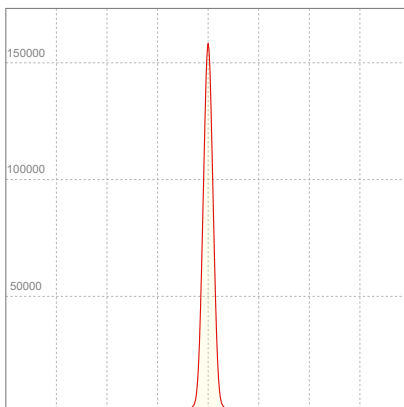
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	18,3°	24,6°	90,9%	86,6%



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	157518lx	39379lx	17502lx	9845lx	6301lx	2800lx	1575lx	700lx	394lx	252lx	175lx	98lx	63lx
Footcand.	14634fcd	3658fcd	1626fcd	915fcd	585fcd	260fcd	146fcd	65fcd	37fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,6ft	11,5ft	14,4ft	17,3ft	23ft	28,8ft

LINEAR DISTRIBUTION DIAGRAM

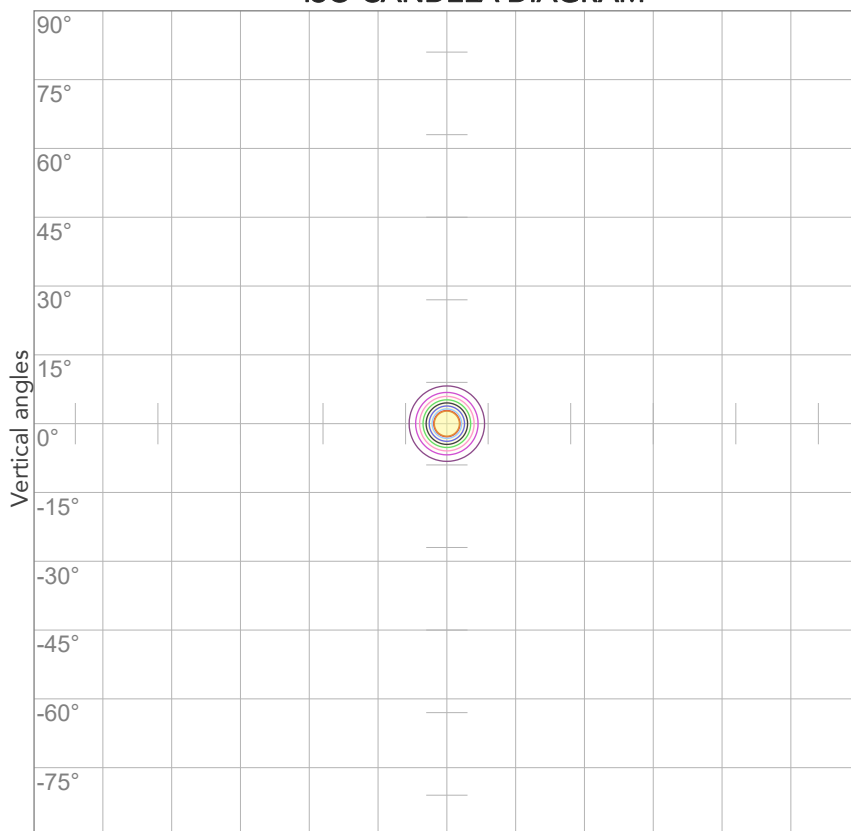


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,567A	124,4W	0,97	64lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



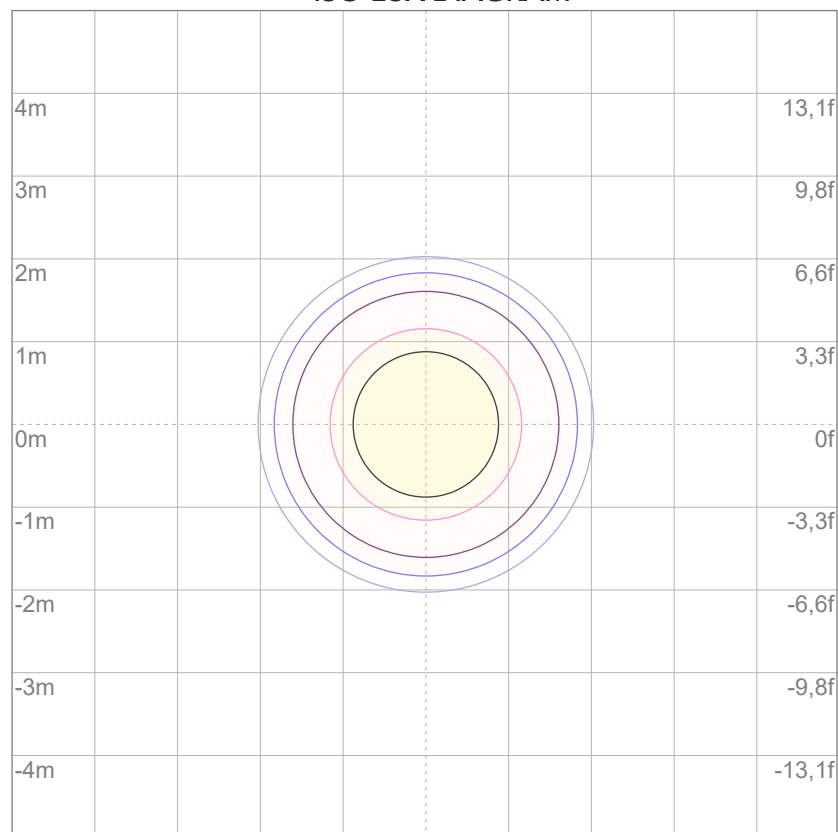
10%	15752 cd
20%	31504 cd
30%	47255 cd
40%	63007 cd
50%	78759 cd
60%	94511 cd
70%	110262 cd
80%	126014 cd

Conditions:

Number of c-planes: 2

Candela at center: 157518 cd

ISO LUX DIAGRAM



3%	47,3 lx
5%	78,8 lx
10%	158 lx
30%	473 lx
50%	788 lx

Conditions:

Number of c-planes: 2

Lux at center: 1575 lx

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



Total lumen output:

6777 lm

Peak candela output:

28273 cd

Light quality:

CRI: 96,7

Color temperature:

4405 K

PRODUCT NAME:

ARCSPOTL VW

MEASUREMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

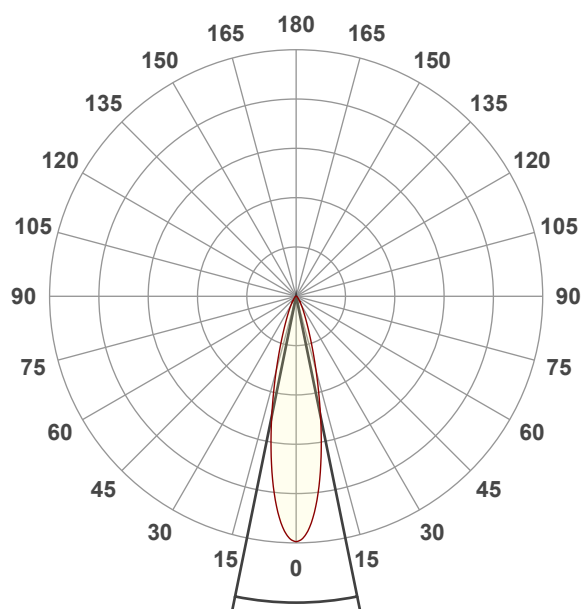
Full On

Operator:

Salvatore Giglio

Date and time:

08/04/2024 15:46:42

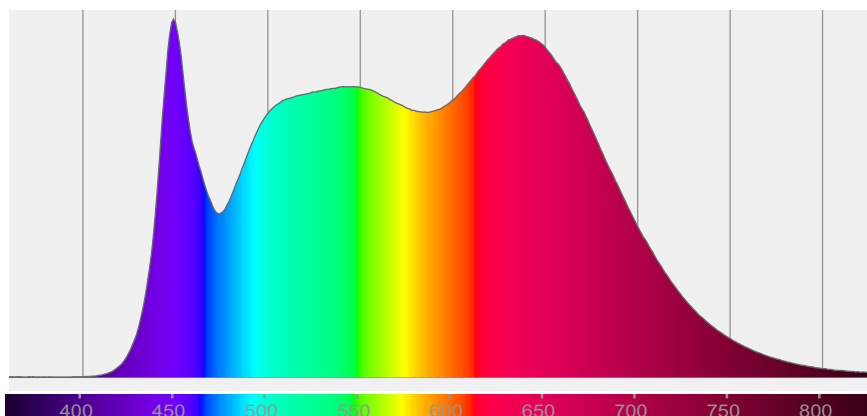


Beam angle 50%: 23°

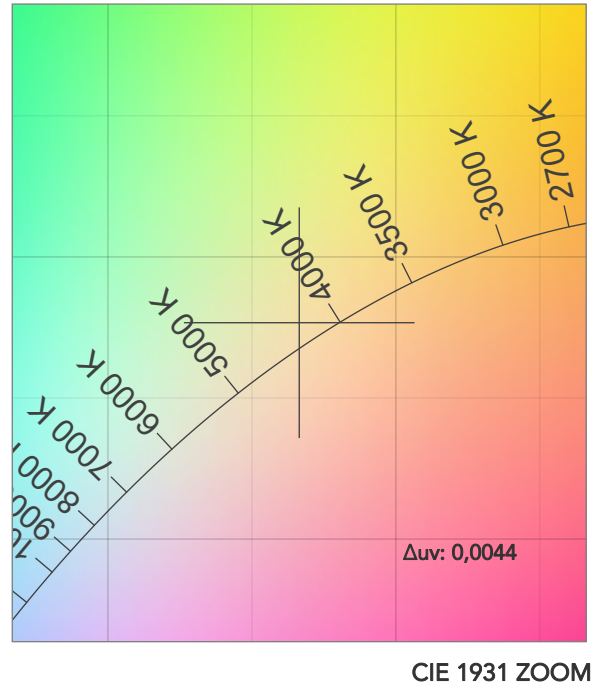
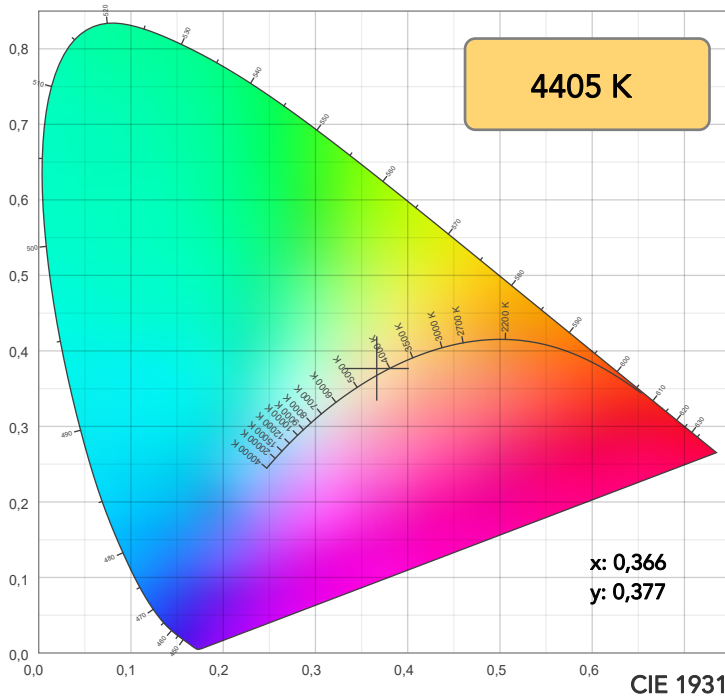
Field angle 10%: 45,9°

Cut off angle 2.5%: 70,8°

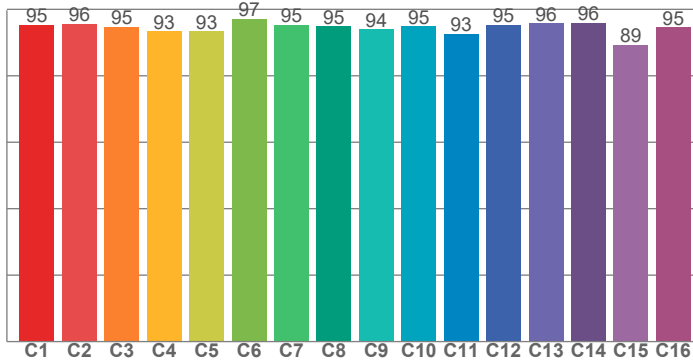
Spectra



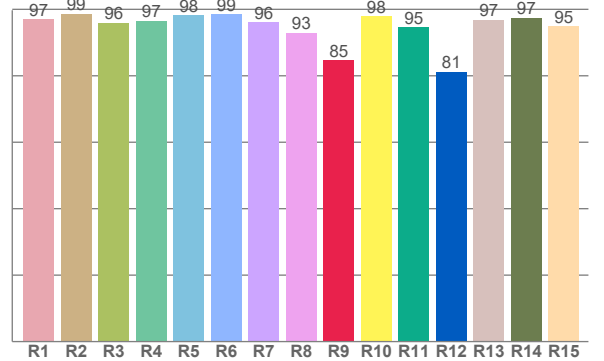
COLOR DETAILS



TM30: 94,4



CRI: 96,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,0	98,6	96,0	96,6	98,3	98,5	96,1	92,9	84,7	97,9	94,7	81,3	96,9	97,4	94,9

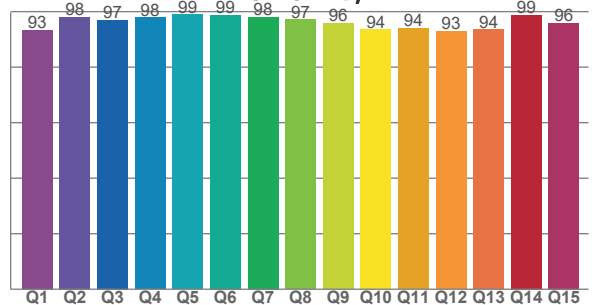
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,7



COLOR PARAMETERS

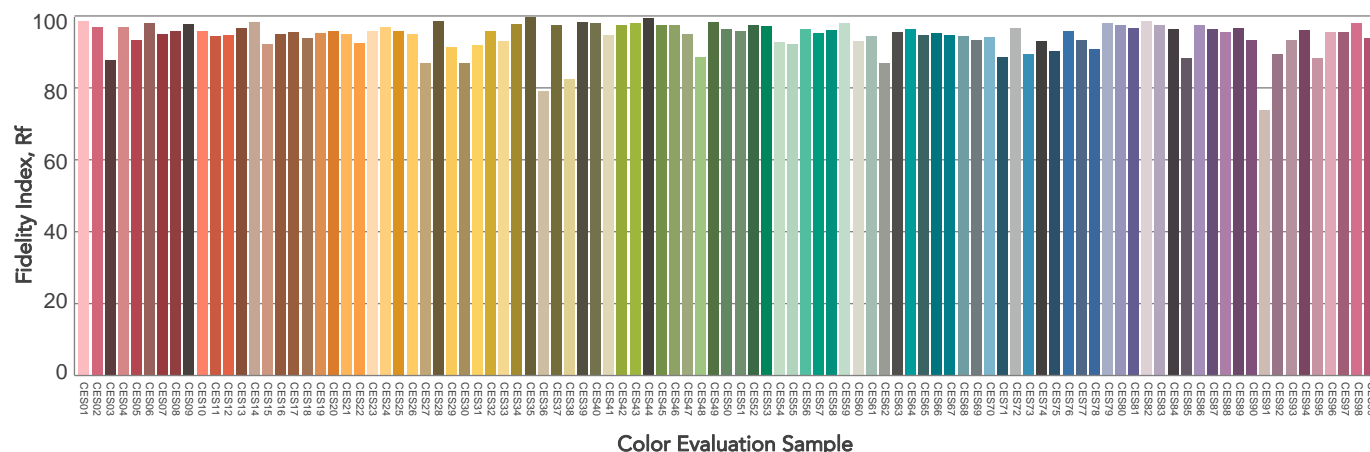
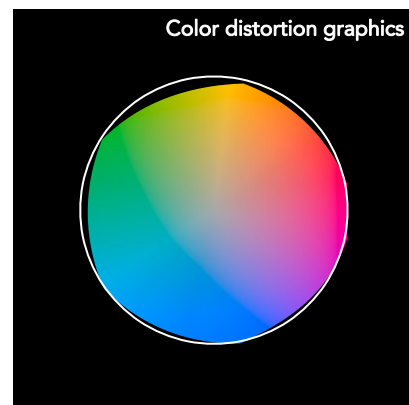
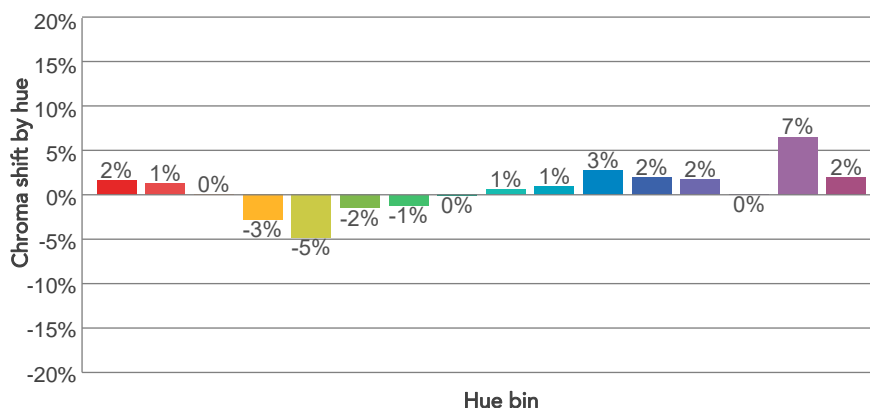
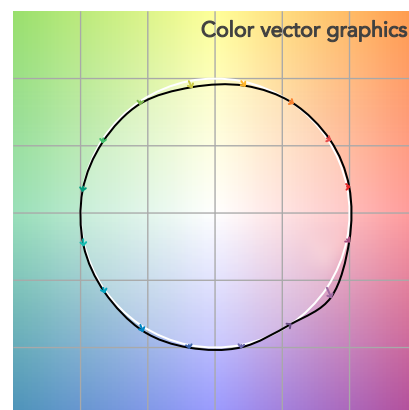
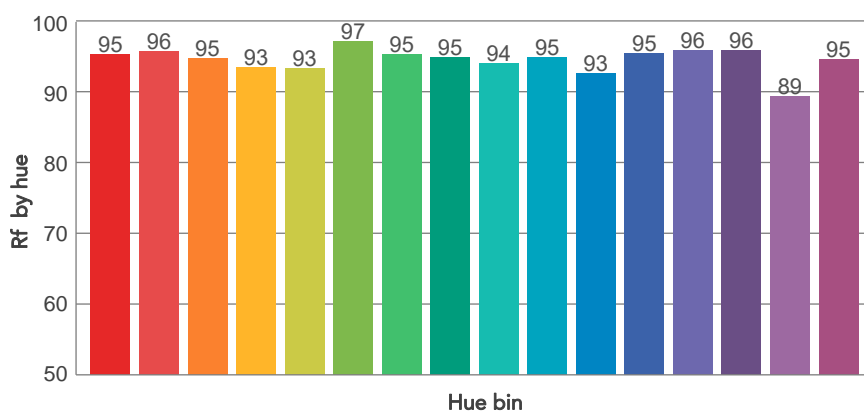
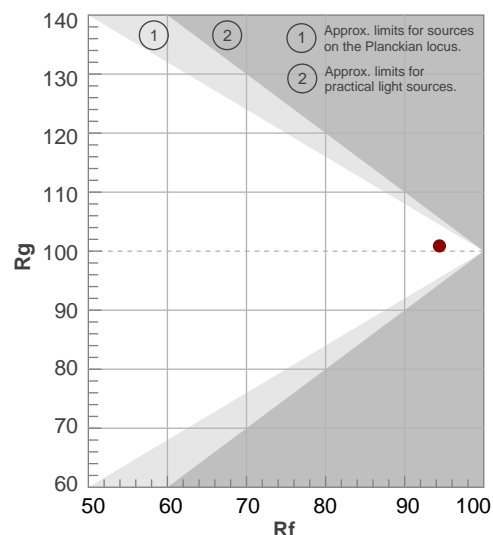
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4405 K	96,7	84,7	94,4	100,9	95,7	99	0,366	0,377	0,0044

TM30 DETAILS

Rf 94,4
Fidelity index Rf

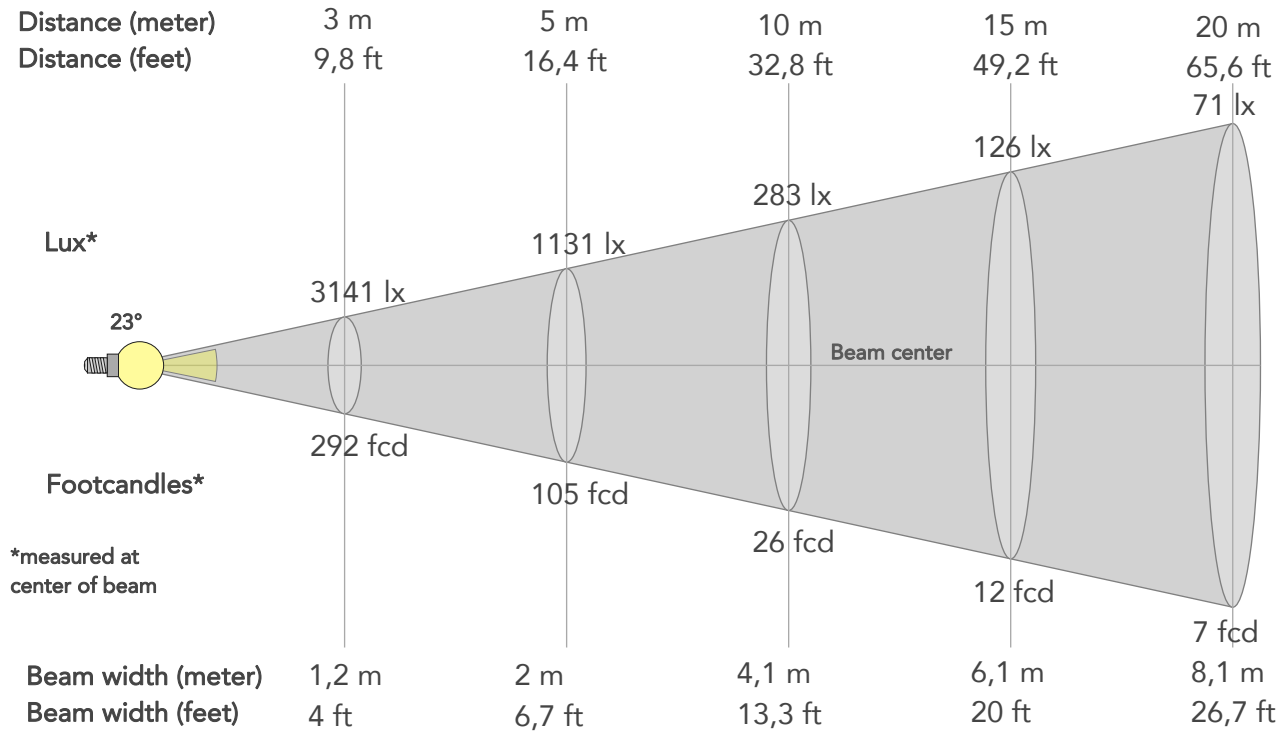
Rg 100,9
Gammut index

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



BEAM DETAILS

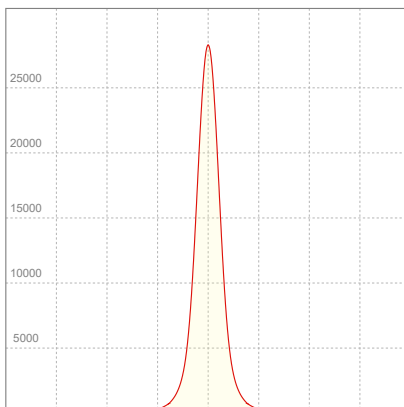
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	45,9°	70,8°	96,7%	92,4%



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	28273lx	7068lx	3141lx	1767lx	1131lx	503lx	283lx	126lx	71lx	45lx	31lx	18lx	11lx
Footcand.	2627fcd	657fcd	292fcd	164fcd	105fcd	47fcd	26fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3,1m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,7ft	33,4ft	40ft	53,4ft	66,7ft

LINEAR DISTRIBUTION DIAGRAM

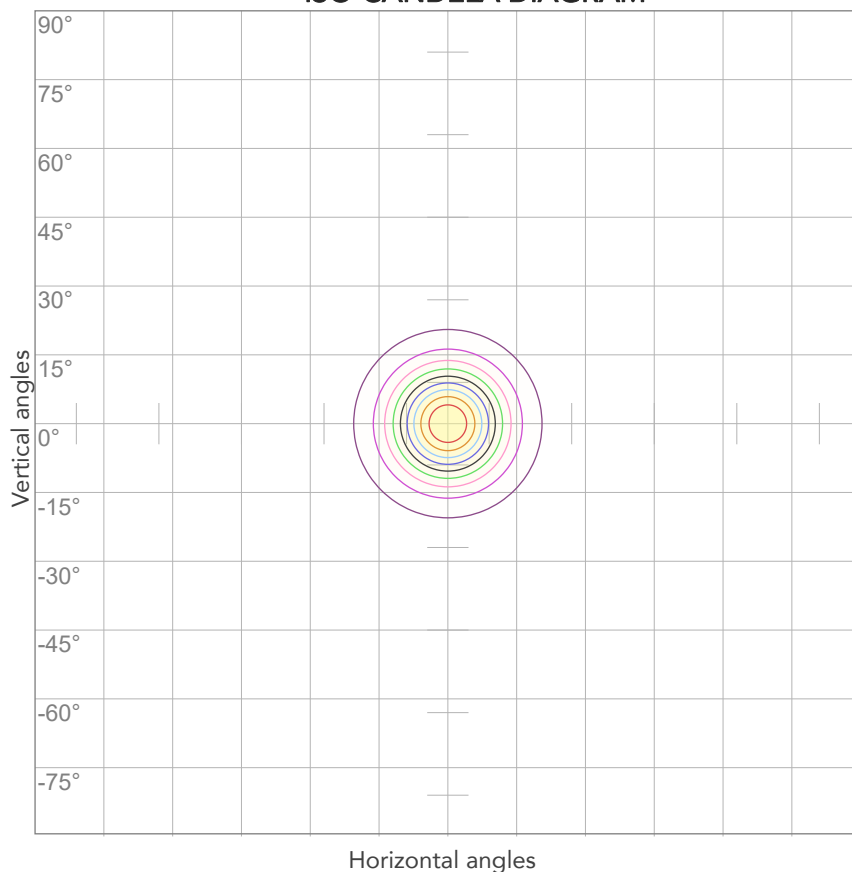


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,578A	126,5W	0,97	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



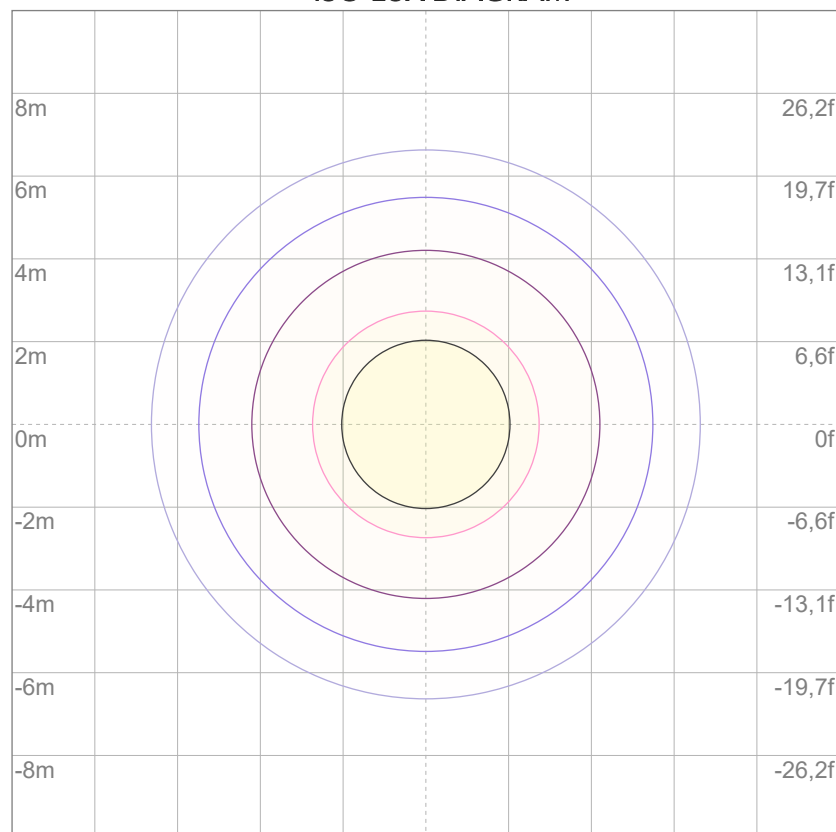
10%	2827 cd
20%	5655 cd
30%	8482 cd
40%	11309 cd
50%	14136 cd
60%	16964 cd
70%	19791 cd
80%	22618 cd

Conditions:

Number of c-planes: 2

Candela at center: 28273 cd

ISO LUX DIAGRAM



3%	8,48 lx
5%	14,1 lx
10%	28,3 lx
30%	84,8 lx
50%	141 lx

Conditions:

Number of c-planes: 2

Lux at center: 283 lx

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



Total lumen output:

6598 lm

Peak candela output:

8341 cd

Light quality:

CRI: 94,2

Color temperature:

4362 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

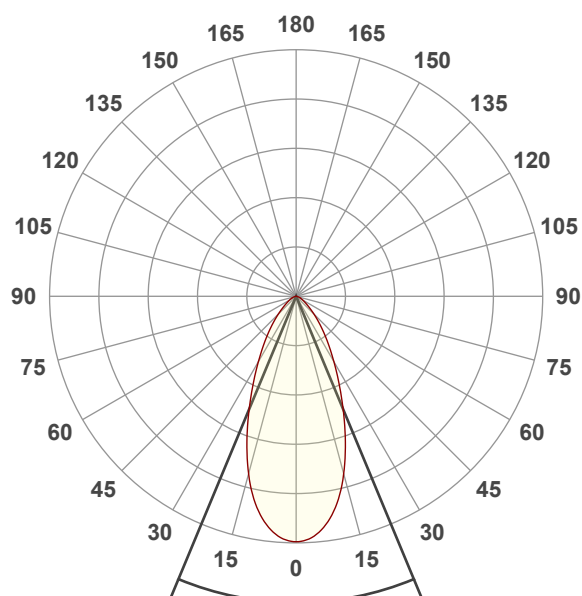
Full On

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:48:08

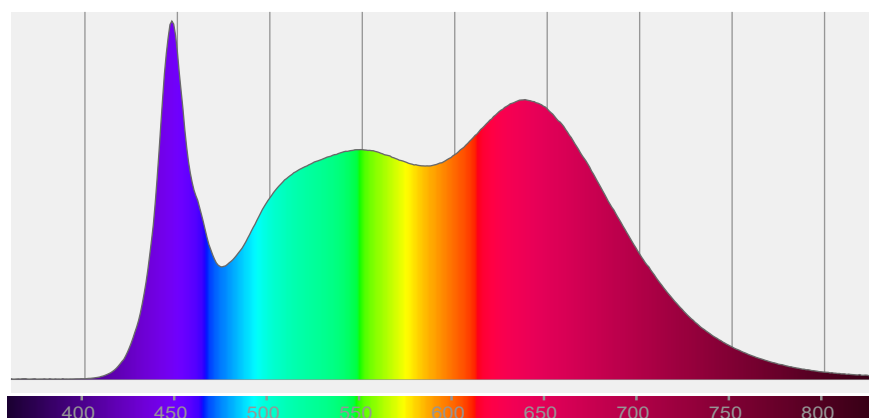


Beam angle 50%: 45,2°

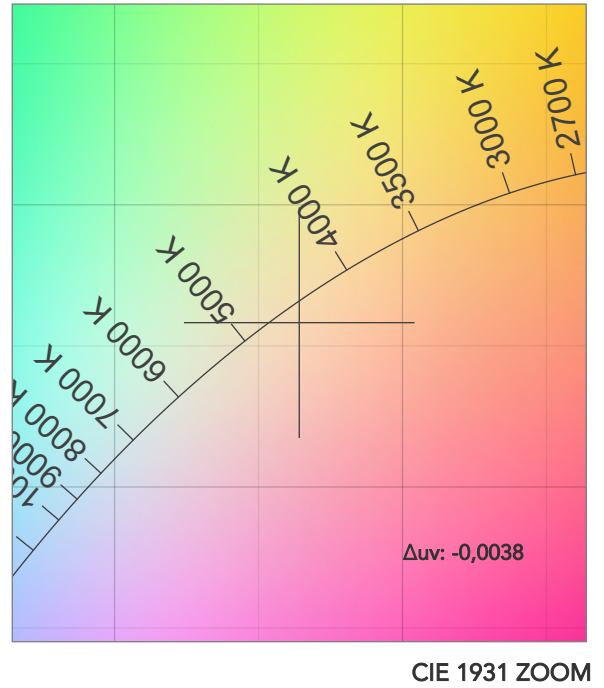
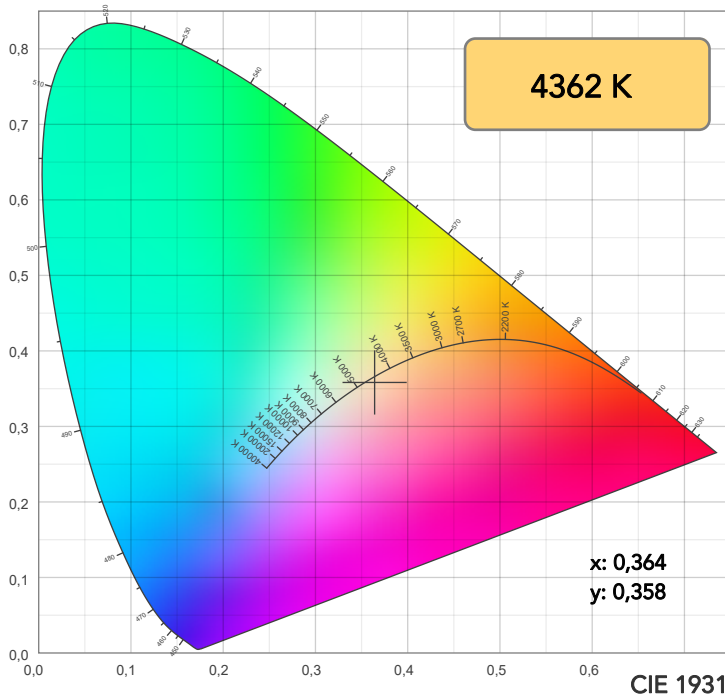
Field angle 10%: 90,8°

Cut off angle 2.5%: 127°

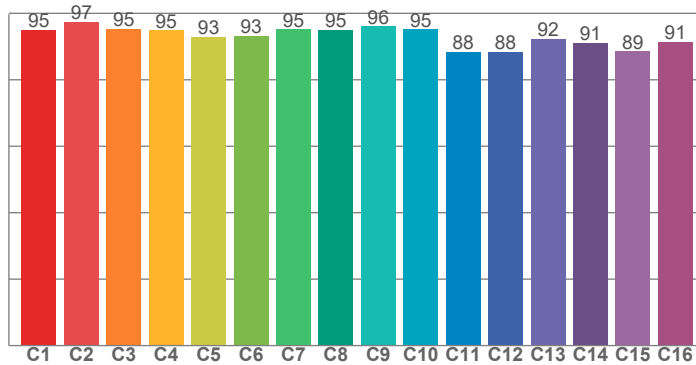
Spectra



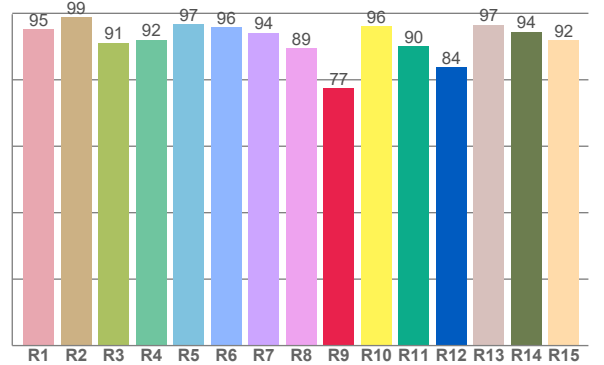
COLOR DETAILS



TM30: 93,4



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,2	98,7	91,2	92,0	96,7	95,9	94,2	89,5	77,4	96,1	90,0	83,8	96,6	94,4	92,0

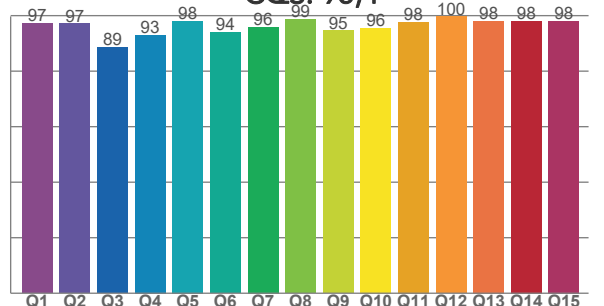
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,2	97,2	88,6	93,1	98,0	94,0	95,9	98,7	94,6	95,6	97,6	99,6	98,1	98,0	98,1

CQS: 95,4



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4362 K	94,2	77,4	93,4	105,4	95,4	97	0,364	0,358	-0,0038

TM30 DETAILS

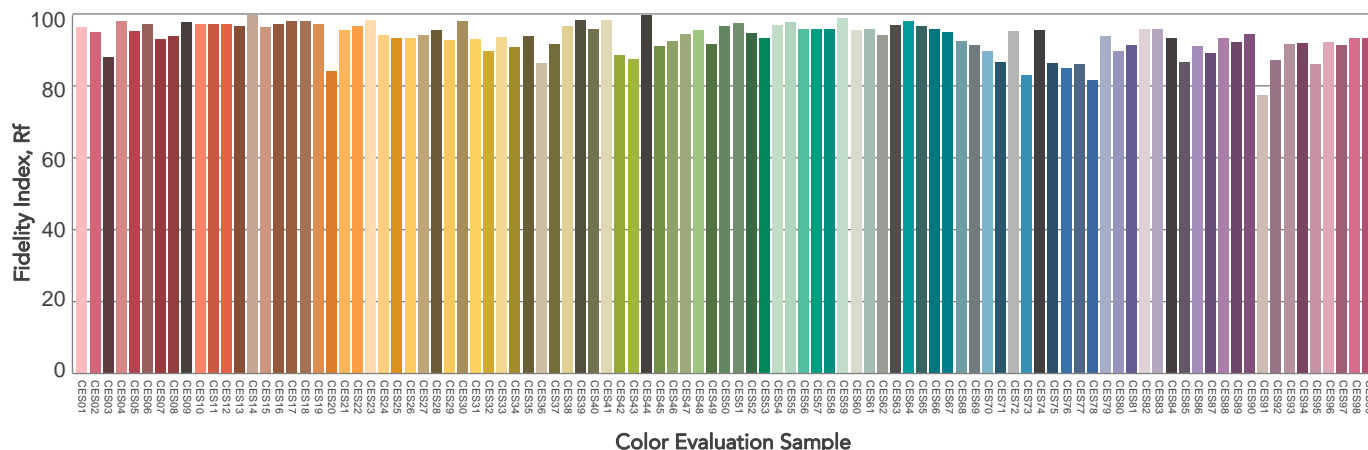
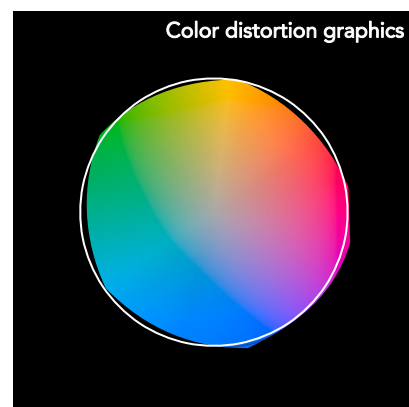
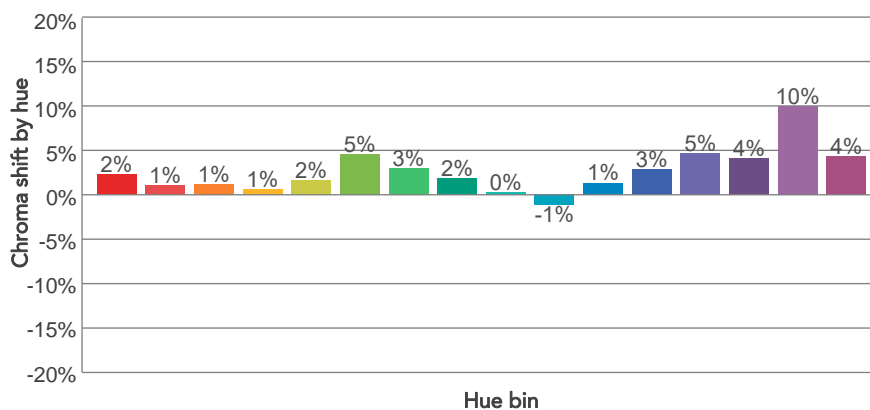
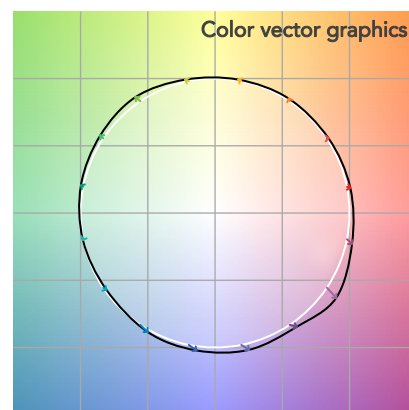
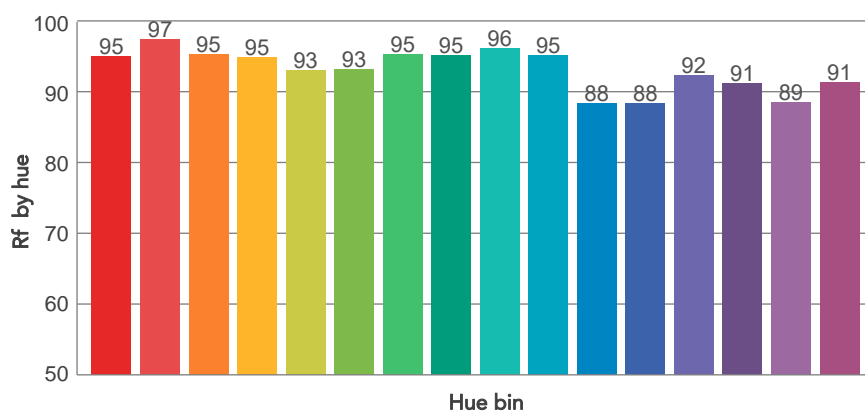
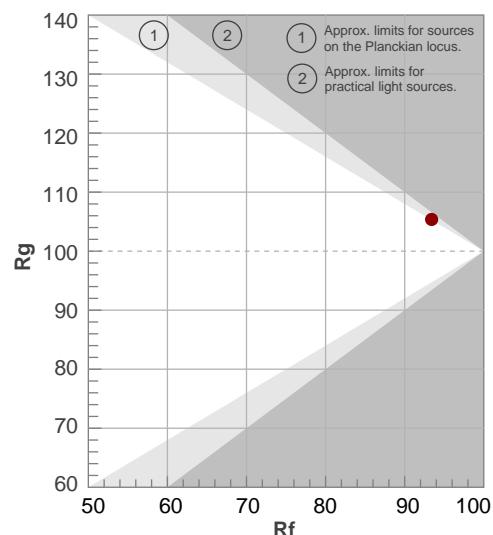
Rf 93,4

Fidelity index Rf

Rg 105,4

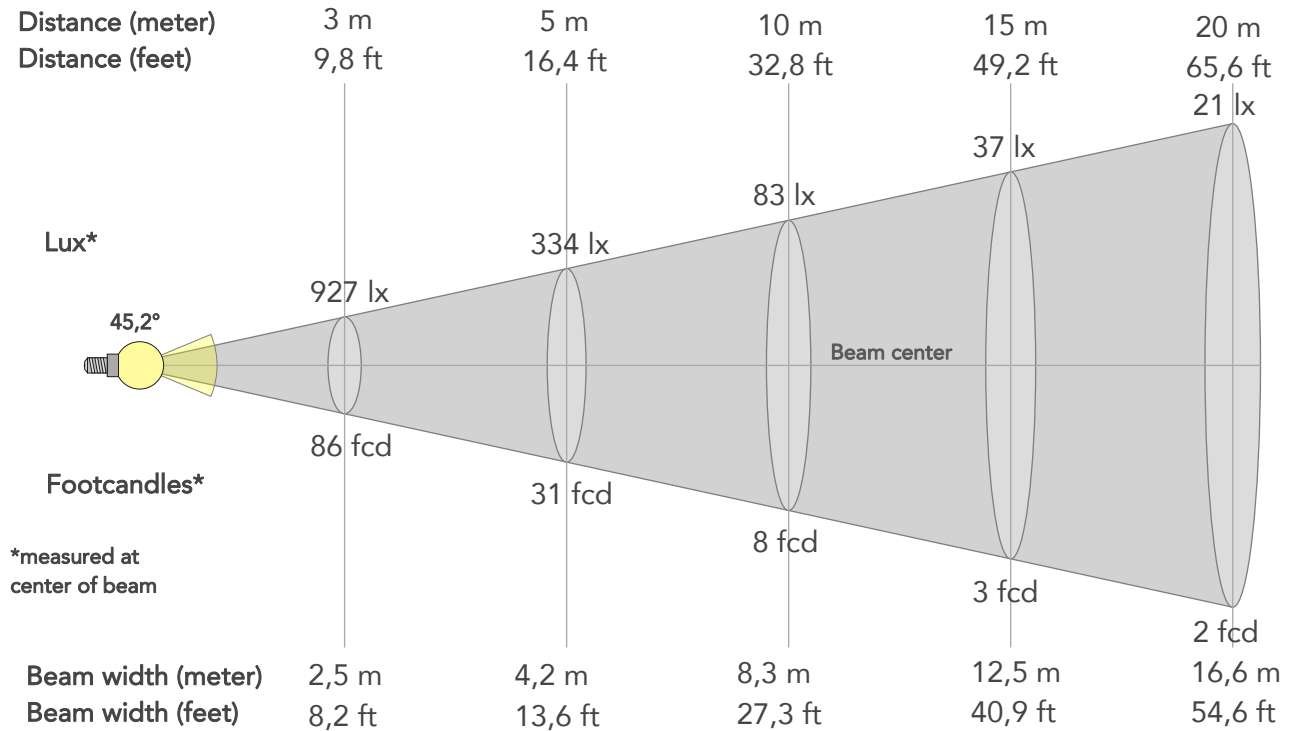
Gammut index

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



BEAM DETAILS

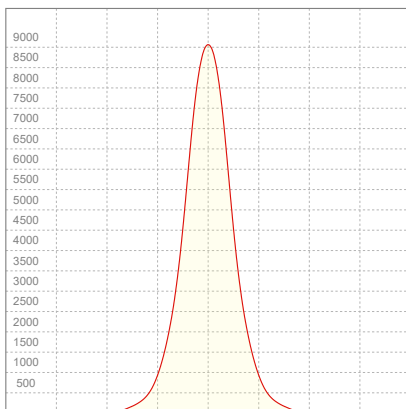
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127°	95,4%	85,8%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	8341lx	2085lx	927lx	521lx	334lx	148lx	83lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	775fcd	194fcd	86fcd	48fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,6m	20,8m	25m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,6ft	20,5ft	27,3ft	40,9ft	54,6ft	68,2ft	81,9ft	109,2ft	136,5ft

LINEAR DISTRIBUTION DIAGRAM

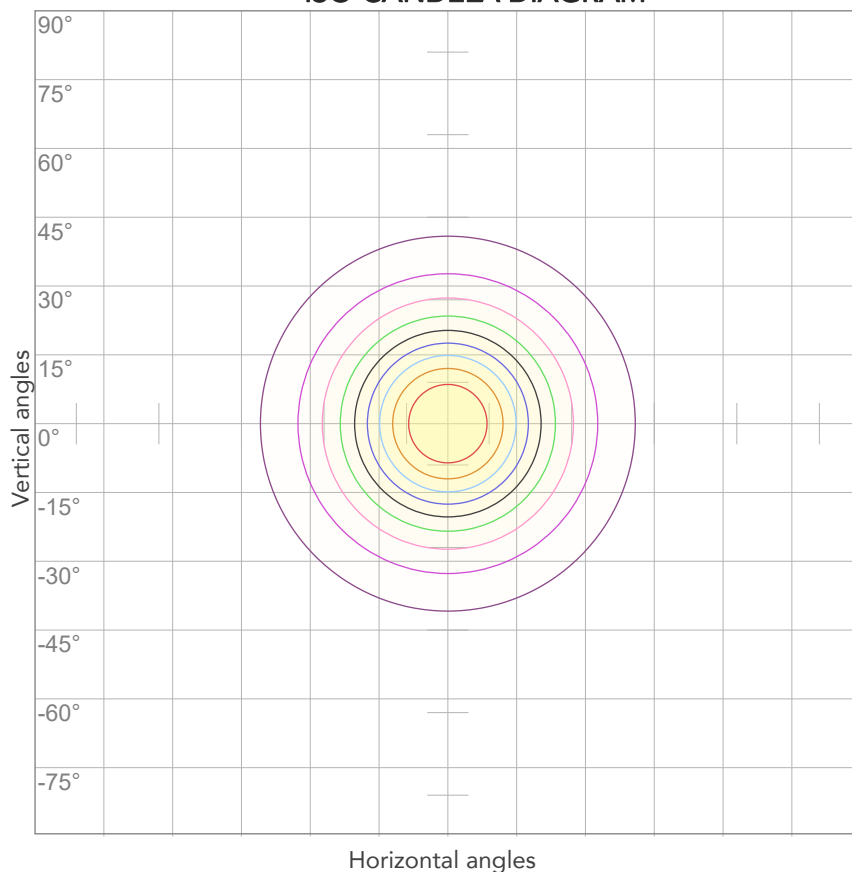


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,577A	126,9W	0,97	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



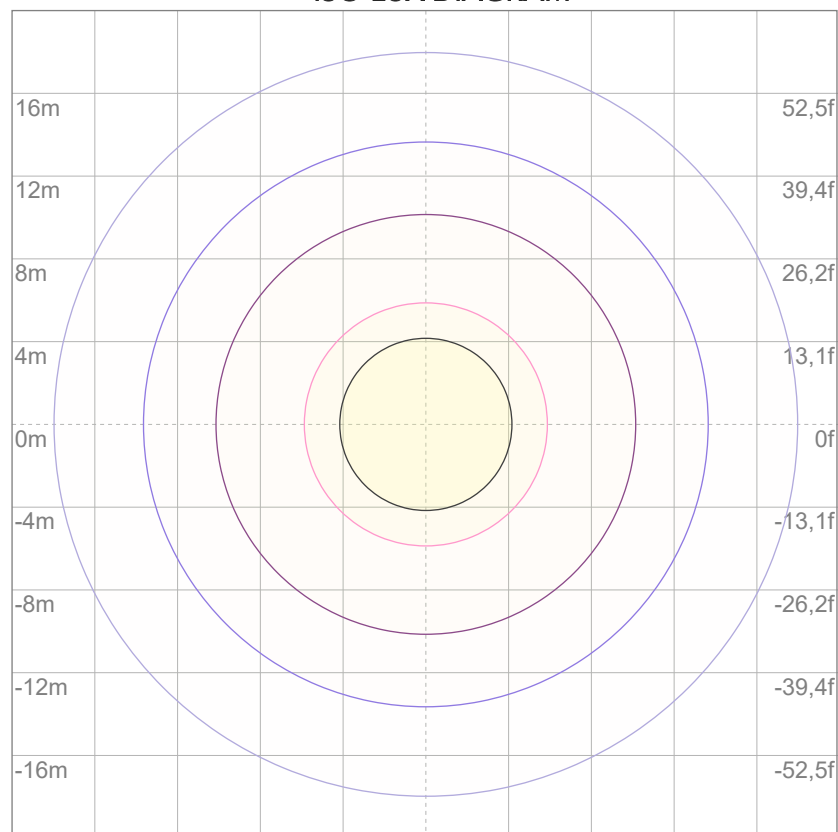
10%	834 cd
20%	1668 cd
30%	2502 cd
40%	3336 cd
50%	4170 cd
60%	5004 cd
70%	5839 cd
80%	6673 cd

Conditions:

Number of c-planes: 2

Candela at center: 8341 cd

ISO LUX DIAGRAM



3%	2,50 lx
5%	4,17 lx
10%	8,34 lx
30%	25,0 lx
50%	41,7 lx

Conditions:

Number of c-planes: 2

Lux at center: 83,4 lx

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



Total lumen output:

6546 lm

Peak candela output:

5896 cd

Light quality:

CRI: 94,2

Color temperature:

4361 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

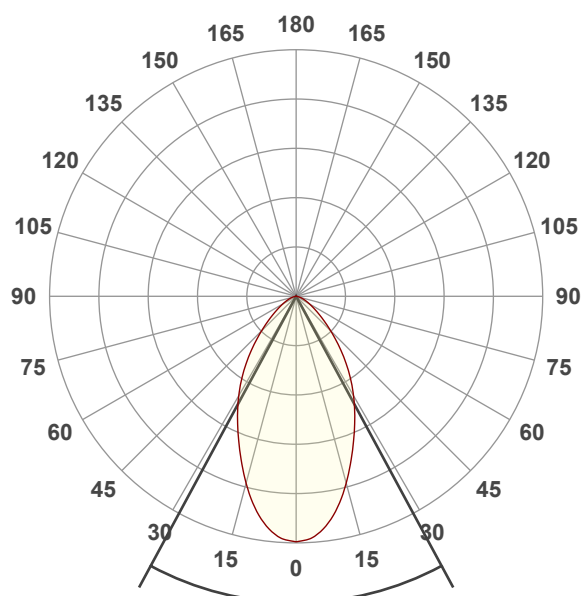
Full On

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:26:54

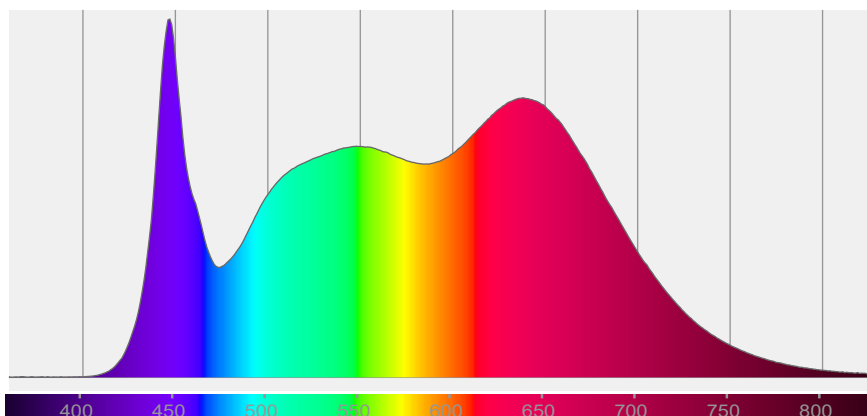


Beam angle 50%: 56,7°

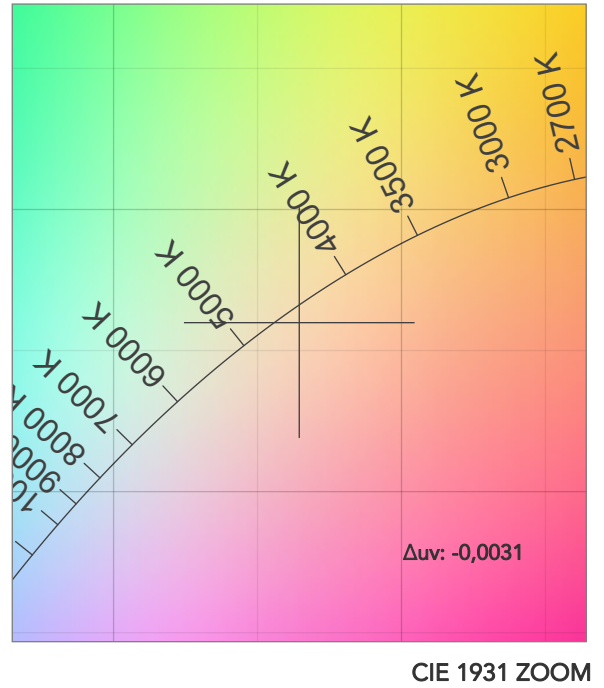
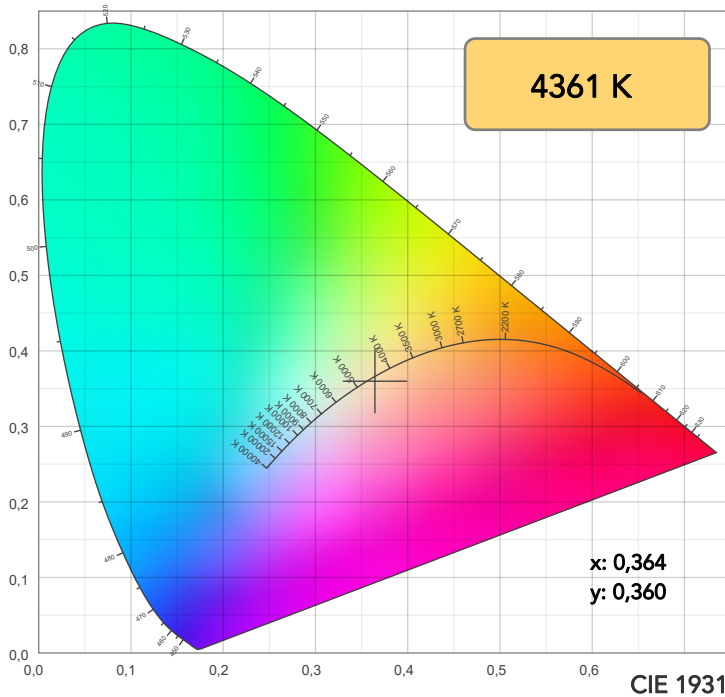
Field angle 10%: 108,3°

Cut off angle 2.5%: 142,3°

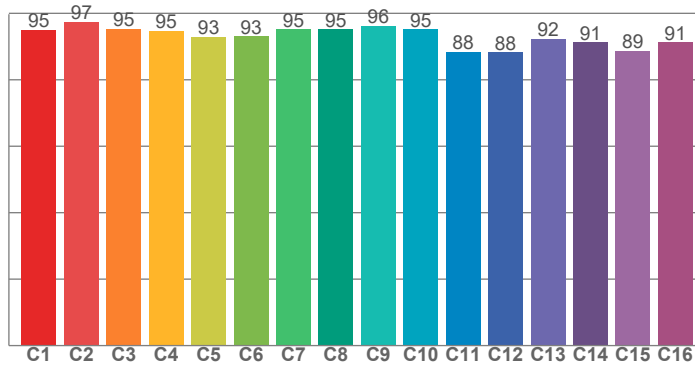
Spectra



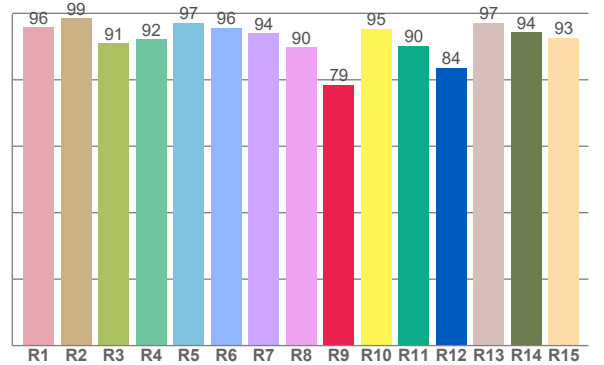
COLOR DETAILS



TM30: 93,4



CRI: 94,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,7	98,6	90,9	92,1	97,2	95,7	93,9	89,7	78,5	95,4	90,2	83,6	97,2	94,3	92,7

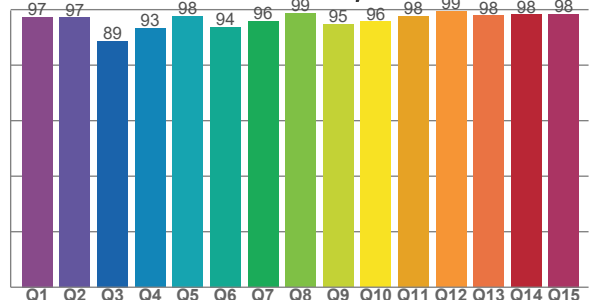
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	97,5	95,4	94,8	93,0	93,1	95,2	95,2	96,2	95,1	88,5	88,3	92,3	91,3	88,7	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	97,2	88,7	93,3	97,7	93,8	95,8	98,7	94,7	95,6	97,8	99,4	97,9	98,2	98,4

CQS: 95,4



COLOR PARAMETERS

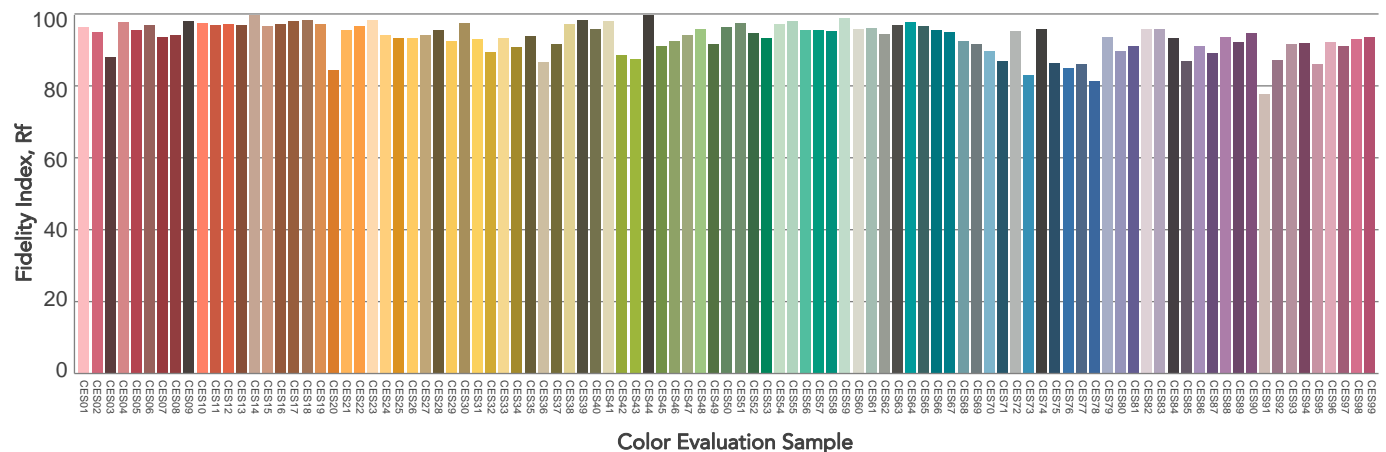
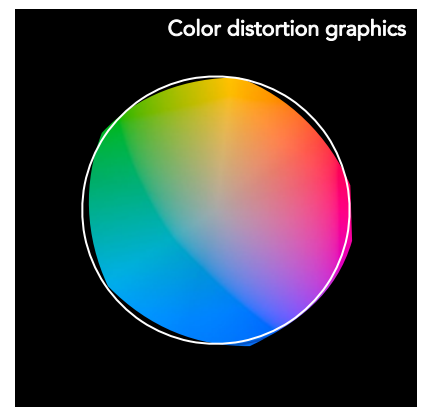
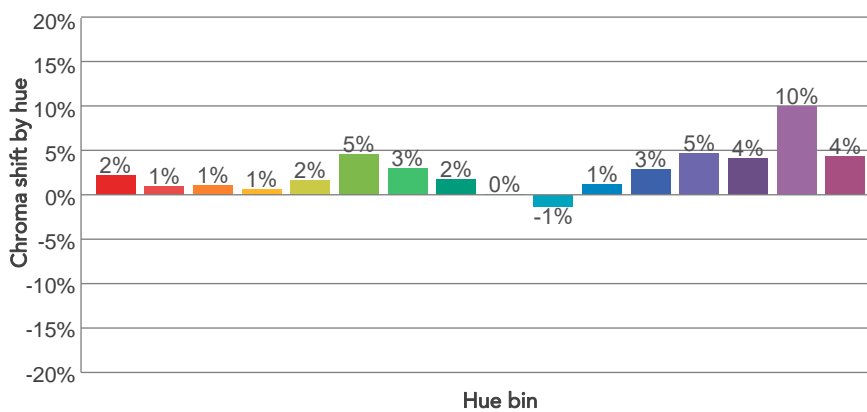
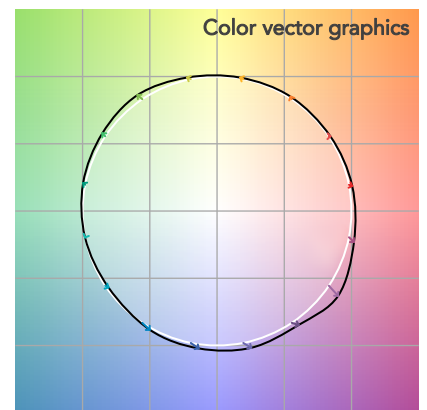
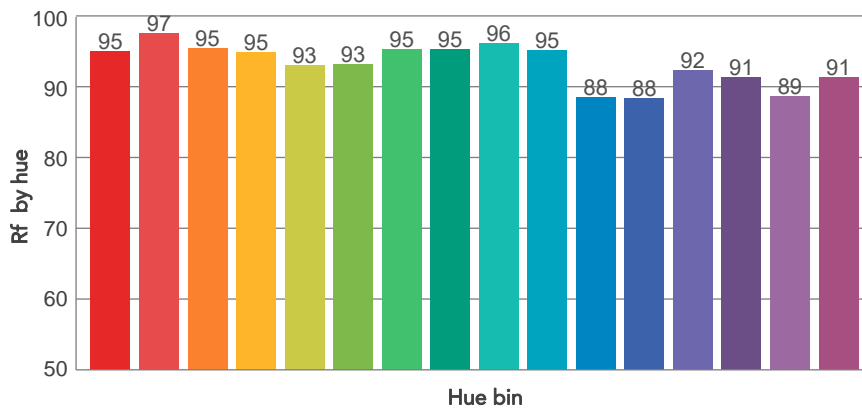
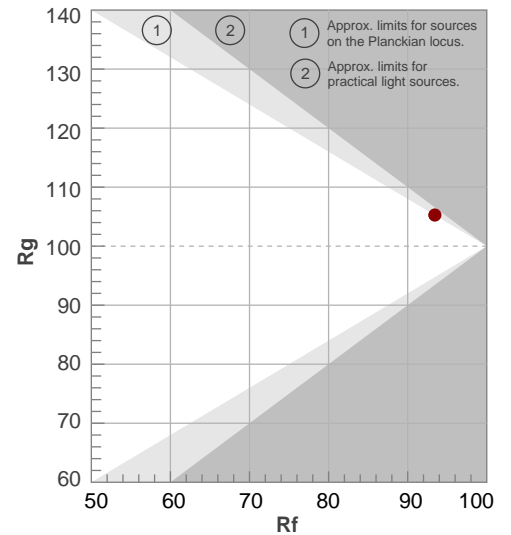
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4361 K	94,2	78,5	93,4	105,3	95,4	97	0,364	0,360	-0,0031

TM30 DETAILS

Rf 93,4
Fidelity index Rf

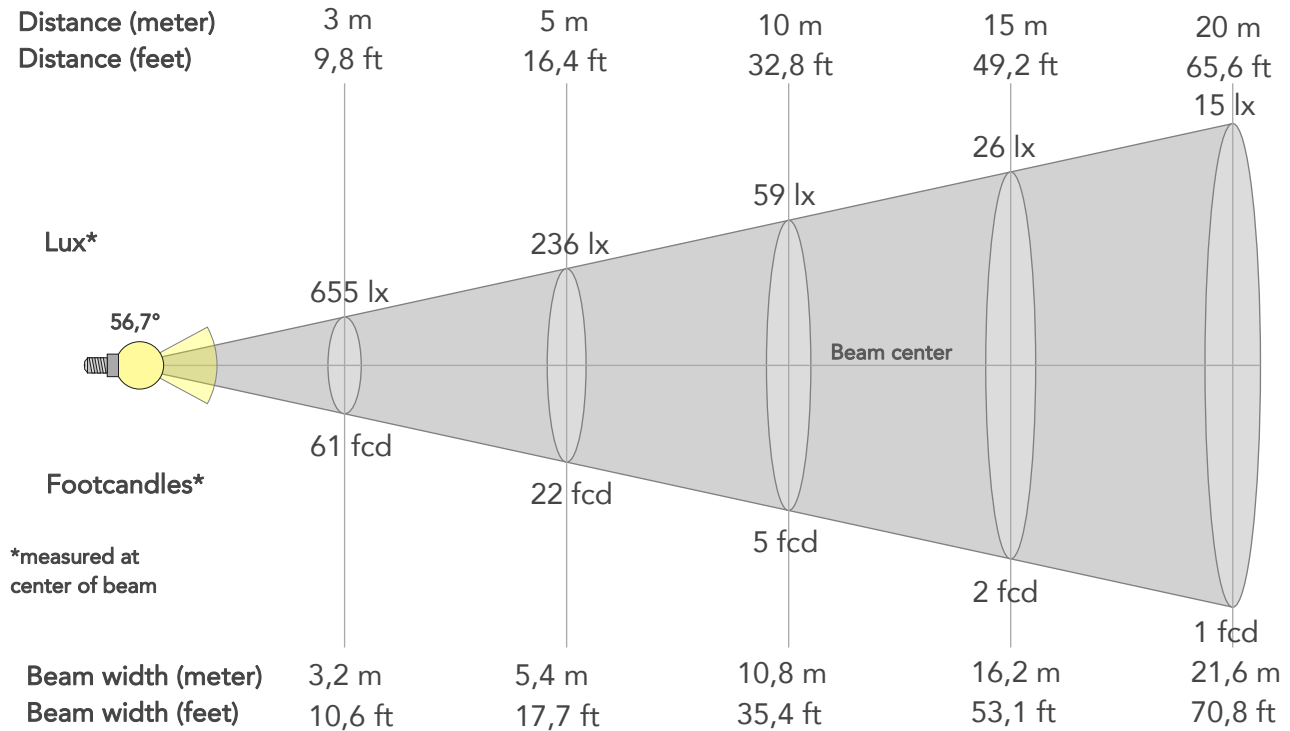
Rg 105,3
Gammut index

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



BEAM DETAILS

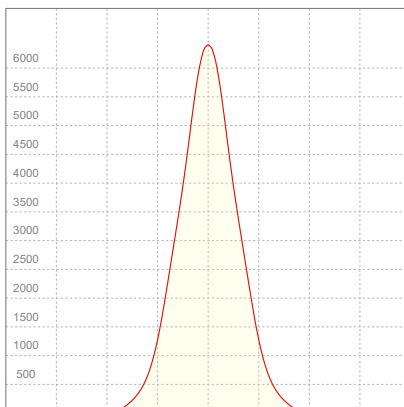
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	108,3°	142,3°	93,9%	80,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5896lx	1474lx	655lx	368lx	236lx	105lx	59lx	26lx	15lx	9lx	7lx	4lx	2lx
Footcand.	548fcd	137fcd	61fcd	34fcd	22fcd	10fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,4m	43,2m	54m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,4ft	53,1ft	70,8ft	88,5ft	106,2ft	141,6ft	177ft

LINEAR DISTRIBUTION DIAGRAM

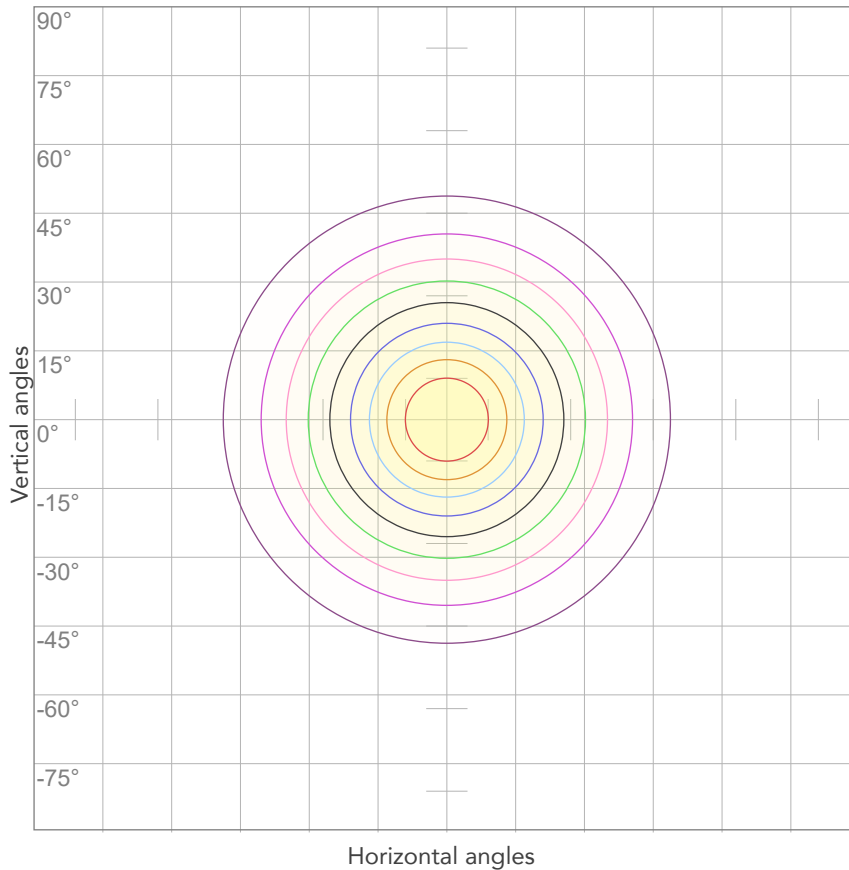


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,584A	128,1W	0,97	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



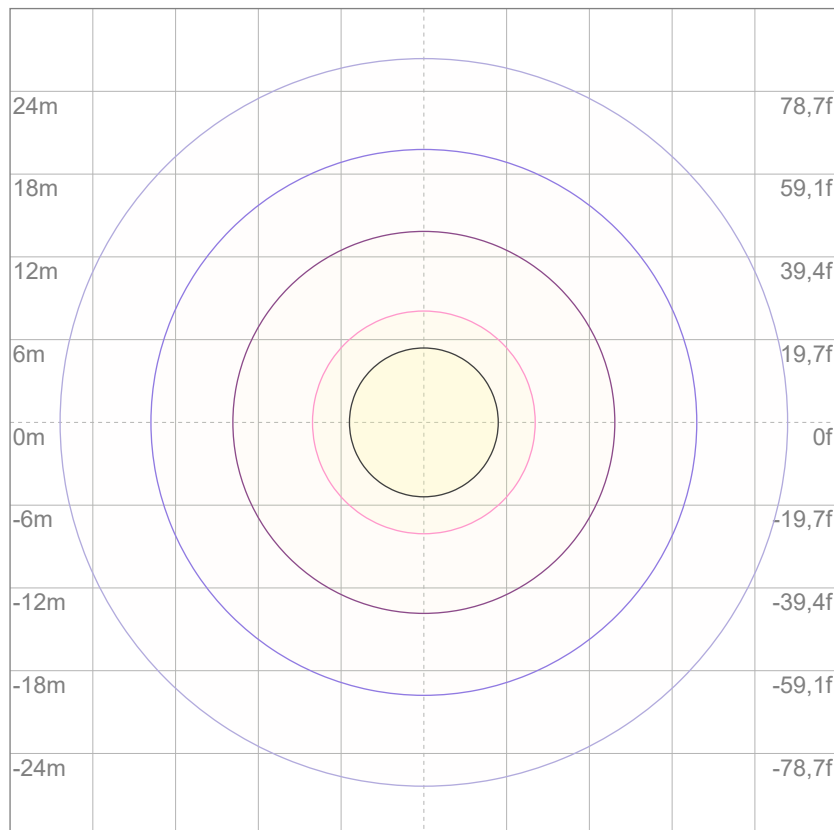
10%	590 cd
20%	1179 cd
30%	1769 cd
40%	2358 cd
50%	2948 cd
60%	3537 cd
70%	4127 cd
80%	4717 cd

Conditions:

Number of c-planes: 2

Candela at center: 5896 cd

ISO LUX DIAGRAM



3%	1,77 lx
5%	2,95 lx
10%	5,90 lx
30%	17,7 lx
50%	29,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 59,0 lx

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



Total lumen output:

8289 lm

Peak candela output:

18006 cd

Light quality:

CRI: 95,4

Color temperature:

4354 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

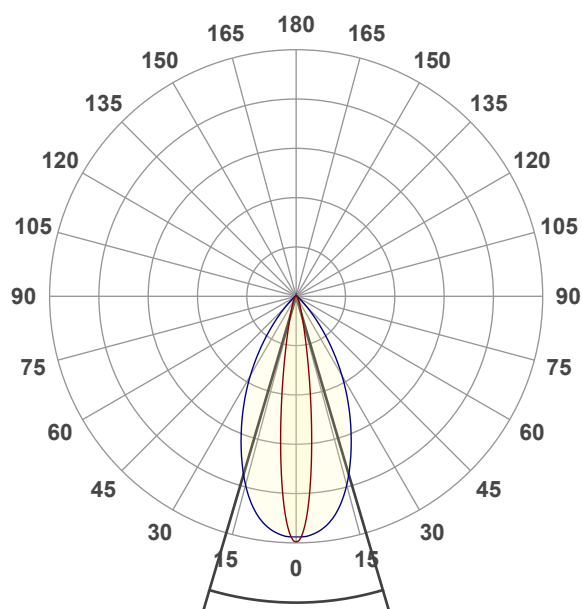
Full On

Operator:

Salvatore Giglio

Date and time:

08/04/2024 18:03:39

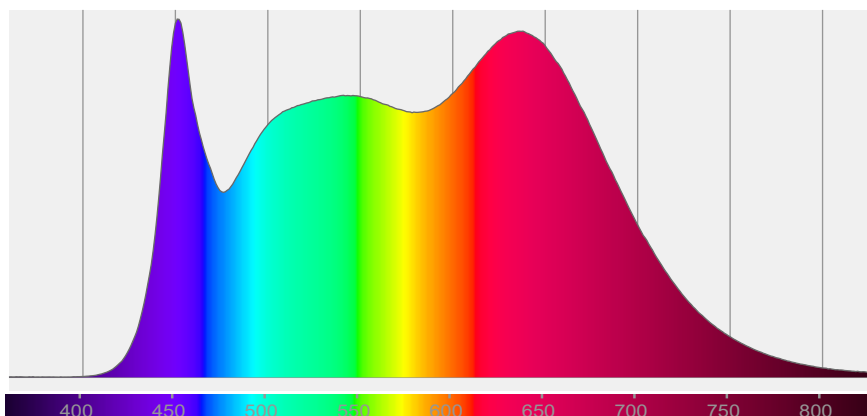


Beam angle 50%: 32,9°

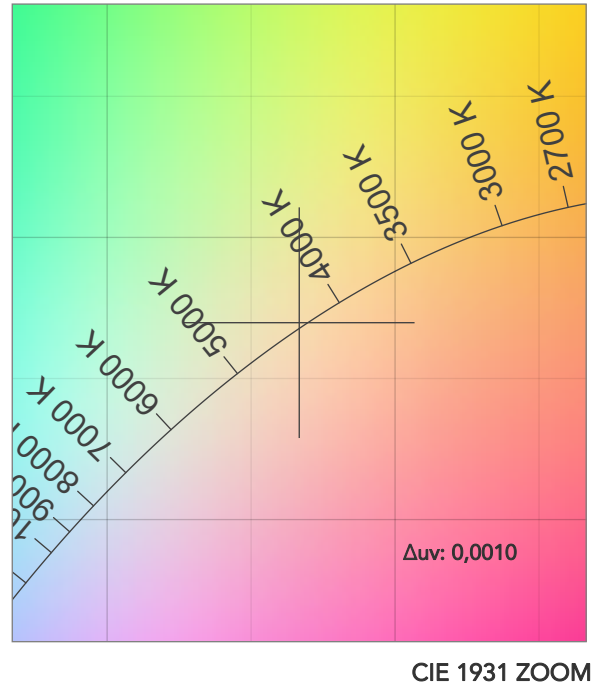
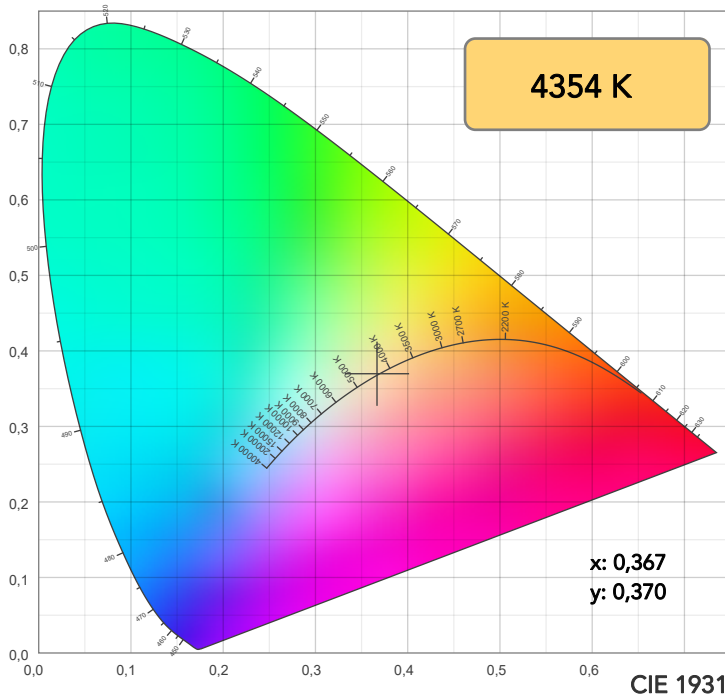
Field angle 10%: 57,8°

Cut off angle 2.5%: 80,8°

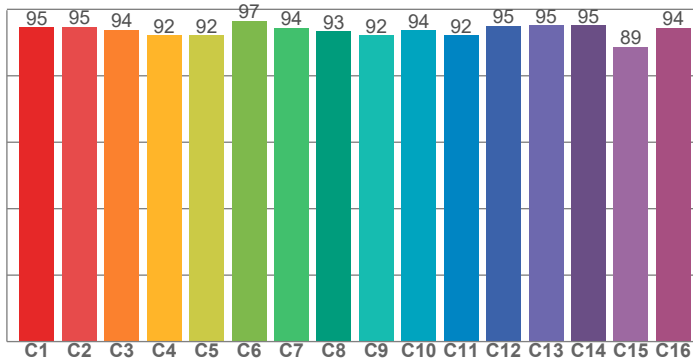
Spectra



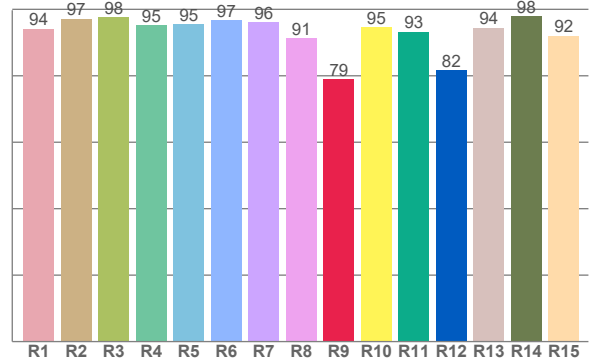
COLOR DETAILS



TM30: 93,5



CRI: 95,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,1	97,1	97,6	95,2	95,5	96,7	96,0	91,3	79,0	94,7	93,3	81,6	94,4	98,0	92,0

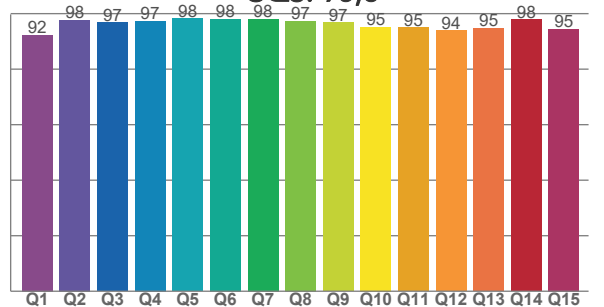
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	94,8	93,8	92,2	92,2	96,6	94,3	93,4	92,1	93,6	92,2	95,0	95,2	95,2	88,7	94,4

CQS Q values

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

CQS: 95,8



COLOR PARAMETERS

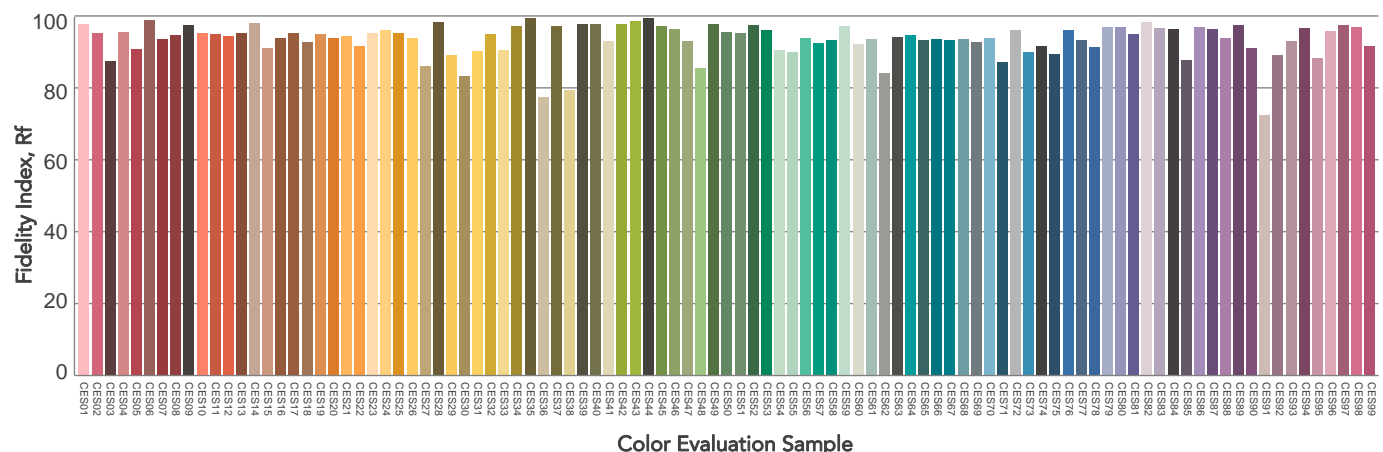
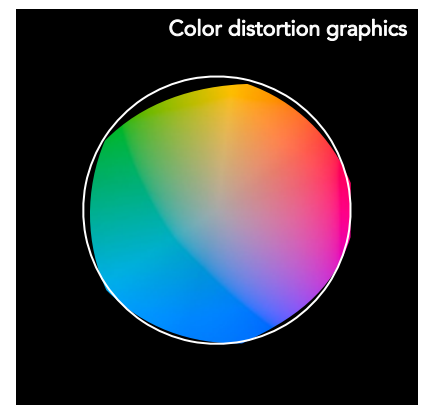
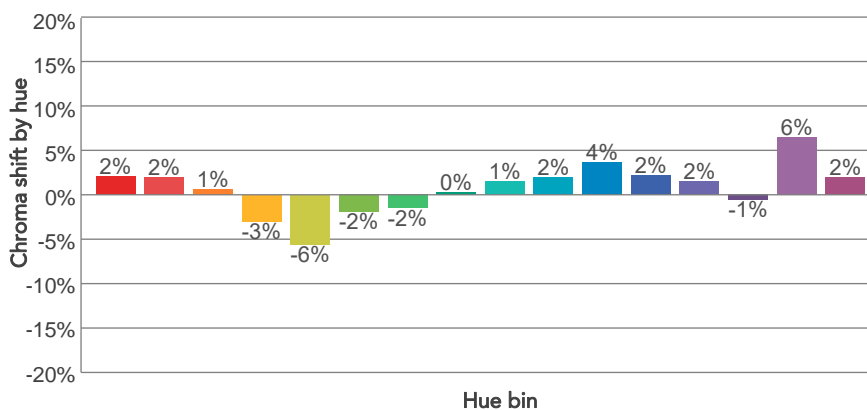
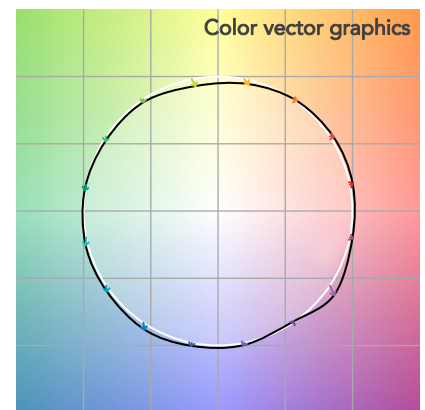
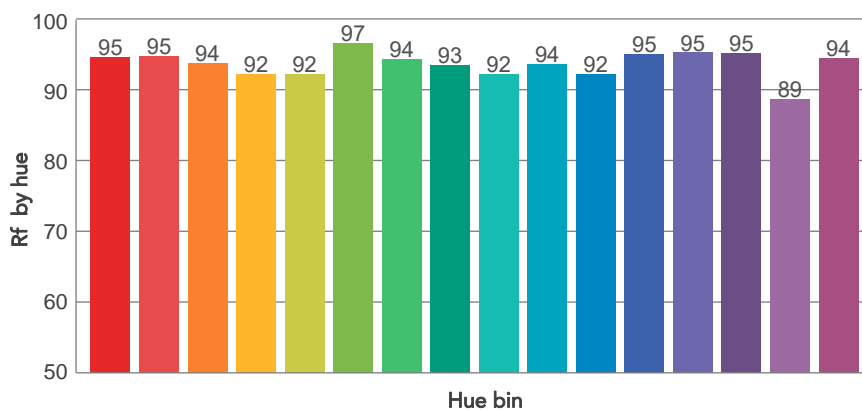
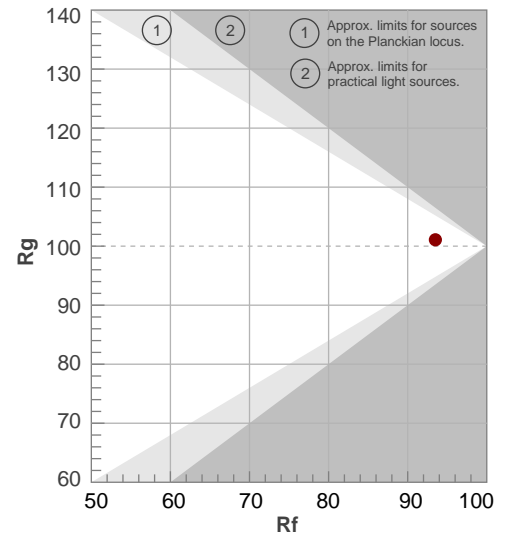
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4354 K	95,4	79,0	93,5	101,1	95,8	99	0,367	0,370	0,0010

TM30 DETAILS

Rf 93,5
Fidelity index Rf

Rg 101,1
Gammut index

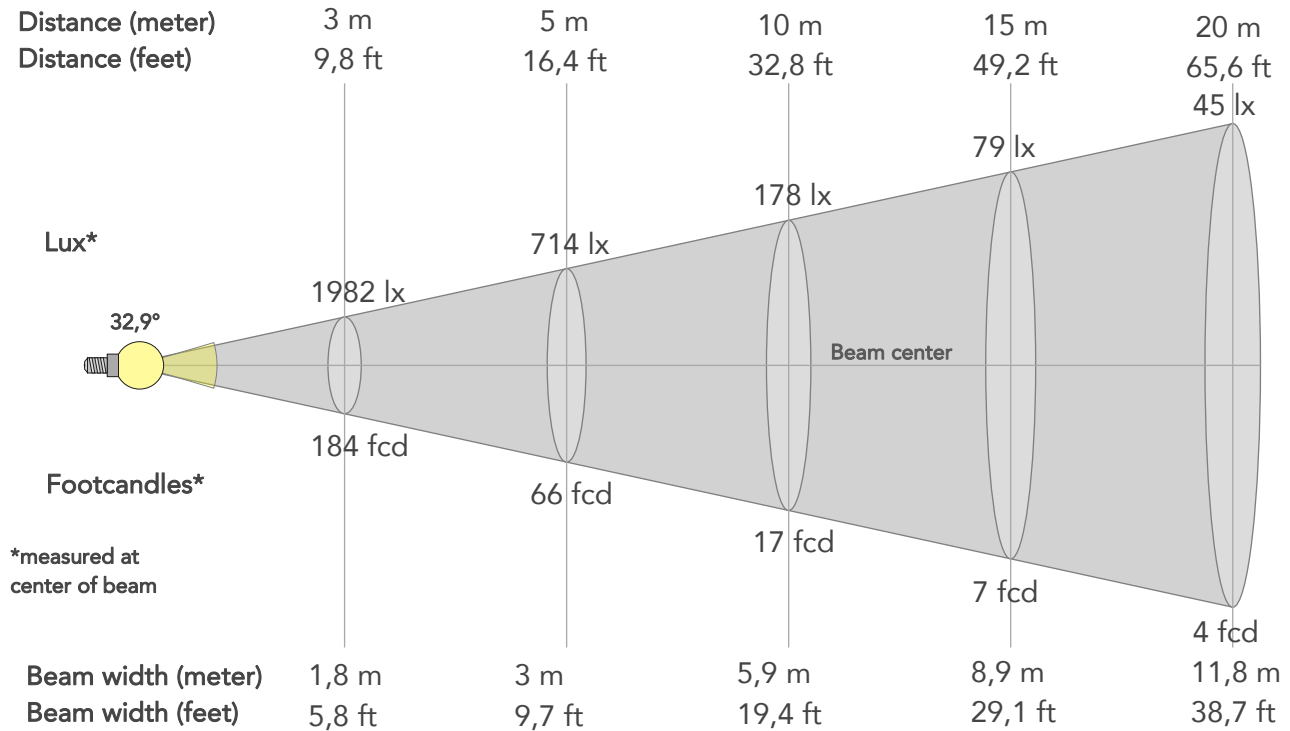
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	95	2%	0%
2	95	2%	-2%
3	94	1%	-3%
4	92	-3%	-4%
5	92	-6%	-2%
6	97	-2%	1%
7	94	-2%	3%
8	93	0%	4%
9	92	1%	6%
10	94	2%	4%
11	92	4%	3%
12	95	2%	0%
13	95	2%	-1%
14	95	-1%	1%
15	89	6%	-4%
16	94	2%	0%



BEAM DETAILS



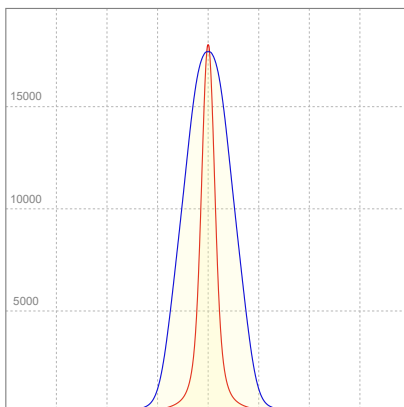
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,9°	57,8°	80,8°	97,1%	92,1%



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	17839lx	4460lx	1982lx	1115lx	714lx	317lx	178lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1657fcd	414fcd	184fcd	104fcd	66fcd	29fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,4m	5,9m	8,9m	11,8m	14,8m	17,7m	23,6m	29,5m
Beam wid.	1,9ft	3,9ft	5,8ft	7,7ft	9,7ft	14,5ft	19,4ft	29,1ft	38,7ft	48,4ft	58,1ft	77,5ft	96,8ft

LINEAR DISTRIBUTION DIAGRAM

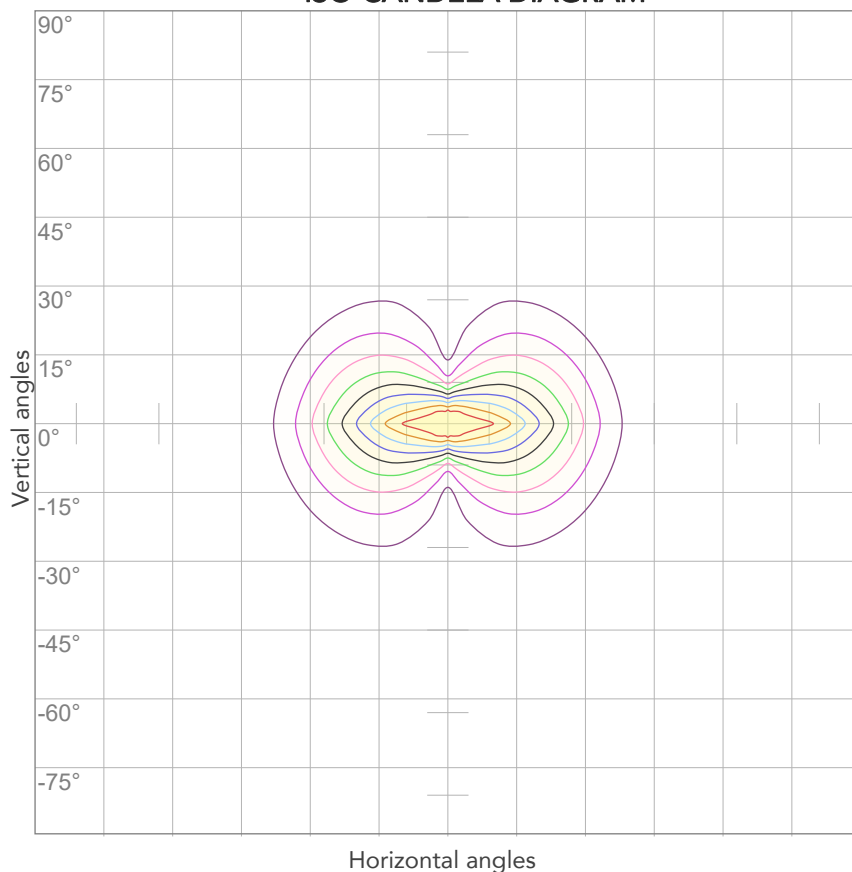


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,528A	115,3W	0,97	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



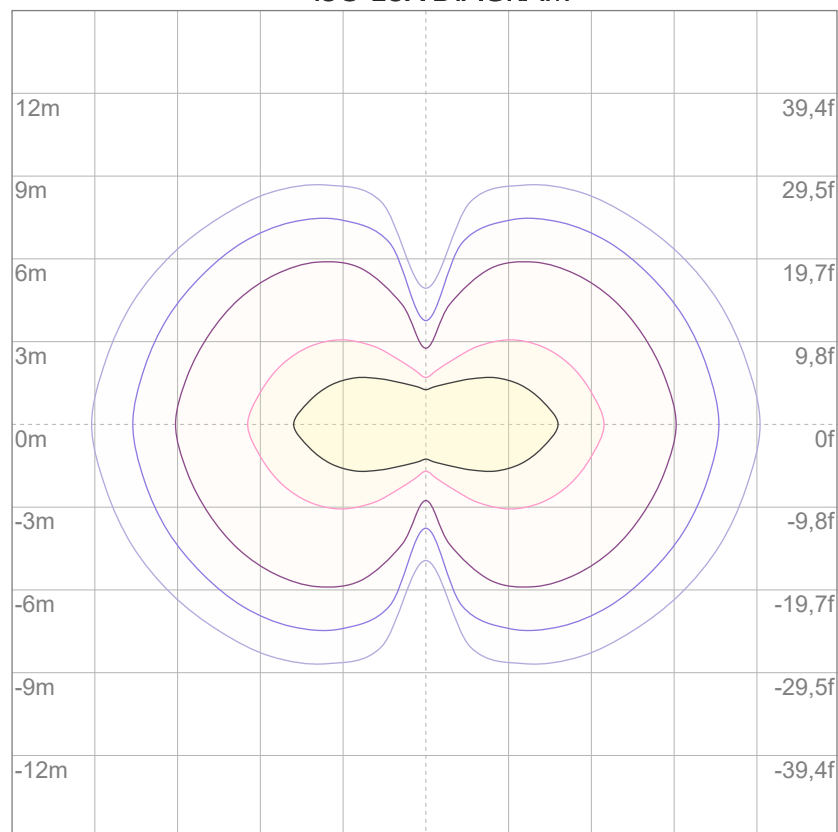
10%	1784 cd
20%	3568 cd
30%	5352 cd
40%	7136 cd
50%	8919 cd
60%	10703 cd
70%	12487 cd
80%	14271 cd

Conditions:

Number of c-planes: 4

Candela at center: 17839 cd

ISO LUX DIAGRAM



3%	5,35 lx
5%	8,92 lx
10%	17,8 lx
30%	53,5 lx
50%	89,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 178 lx

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



Total lumen output:

7344 lm

Peak candela output:

10829 cd

Light quality:

CRI: 96,7

Color temperature:

4411 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

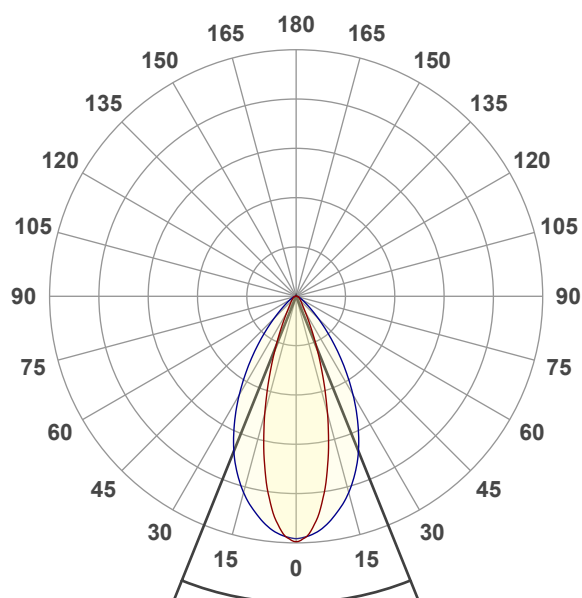
Full On

Operator:

Salvatore Giglio

Date and time:

16/04/2024 16:39:26

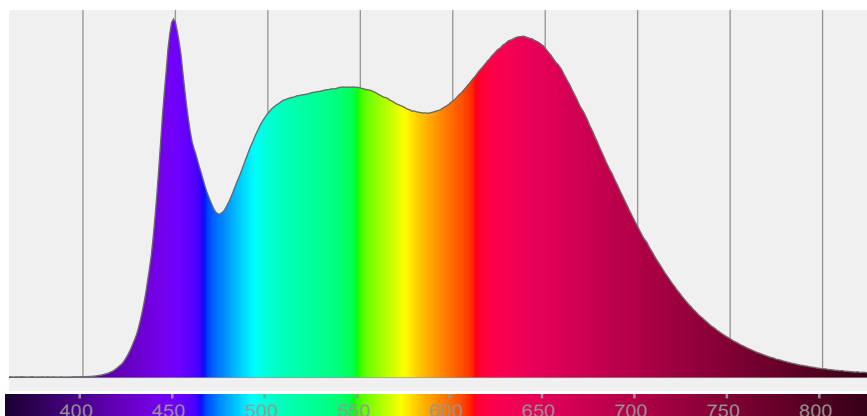


Beam angle 50%: 43,8°

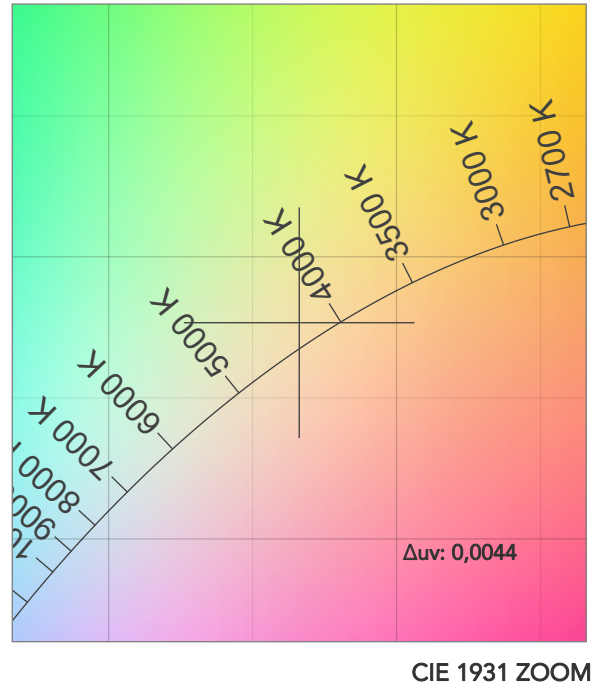
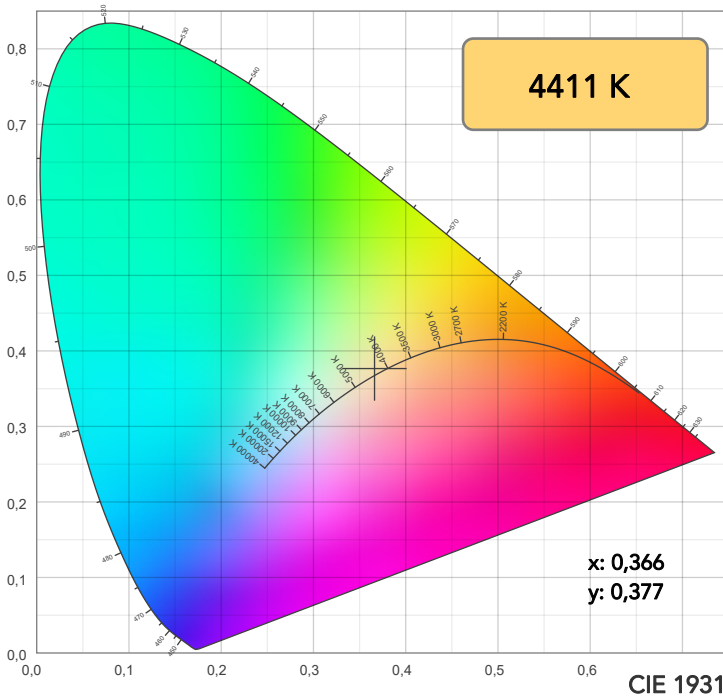
Field angle 10%: 75,2°

Cut off angle 2.5%: 109°

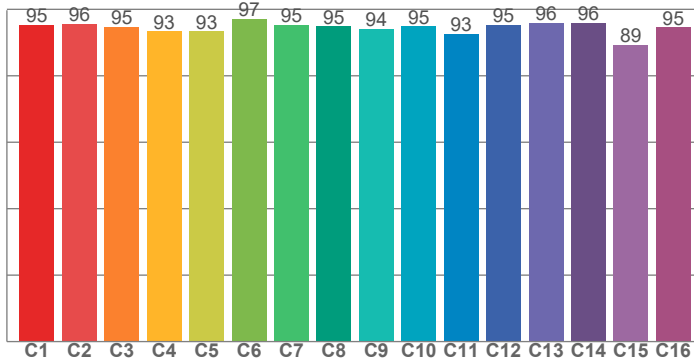
Spectra



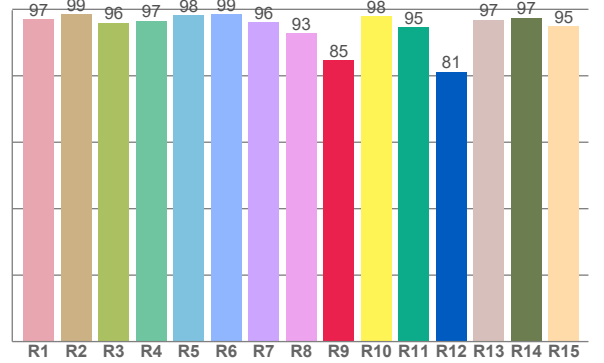
COLOR DETAILS



TM30: 94,4



CRI: 96,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,0	98,6	96,0	96,6	98,3	98,5	96,0	92,9	84,6	97,9	94,7	81,2	96,9	97,4	94,9

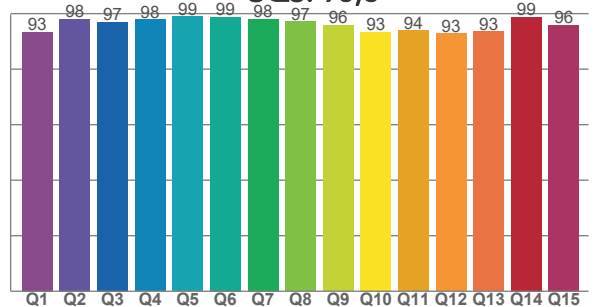
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



COLOR PARAMETERS

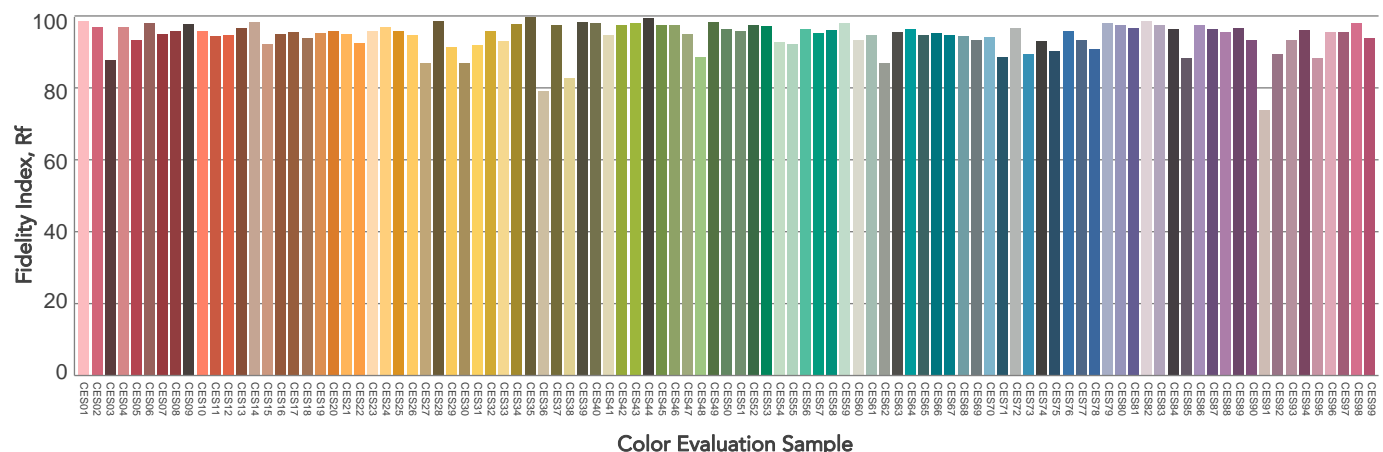
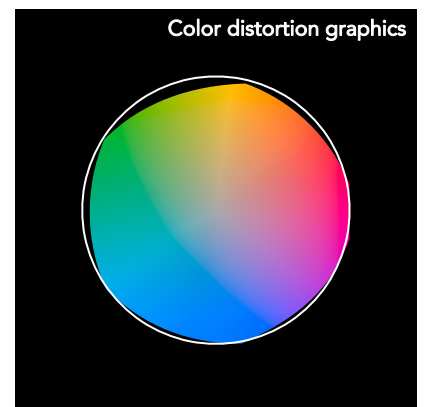
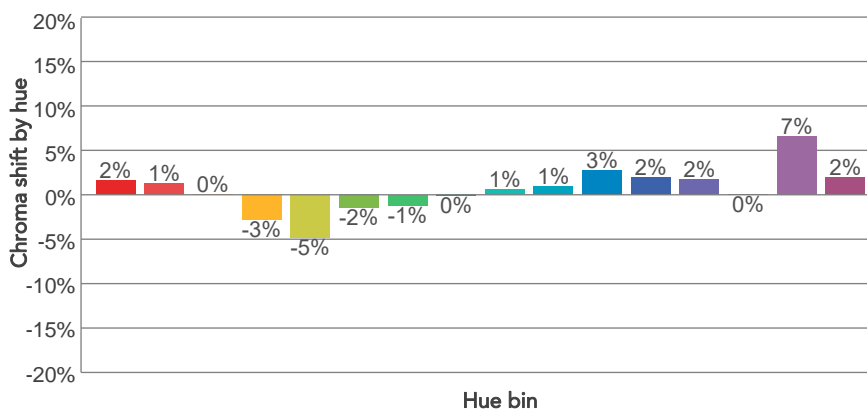
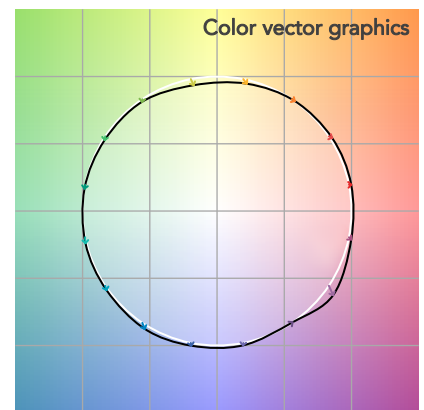
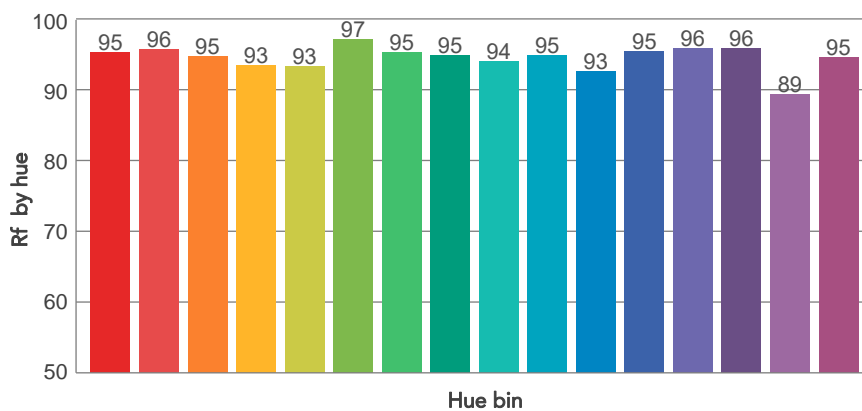
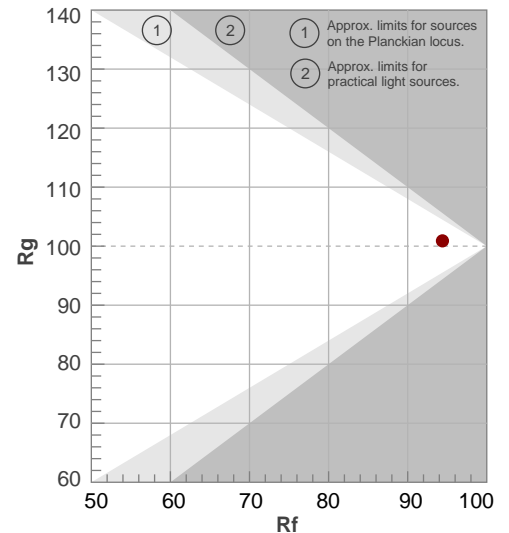
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4411 K	96,7	84,6	94,4	100,9	95,6	99	0,366	0,377	0,0044

TM30 DETAILS

Rf 94,4
Fidelity index Rf

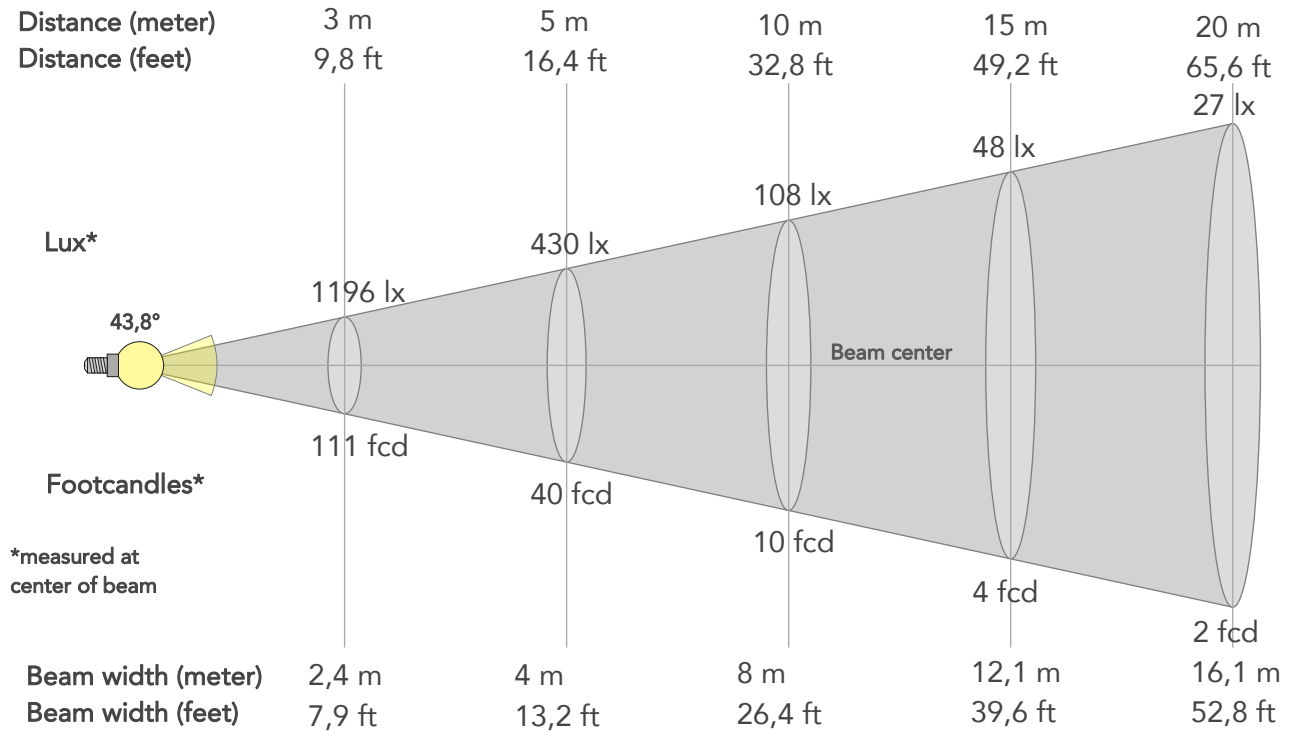
Rg 100,9
Gammut index

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



BEAM DETAILS

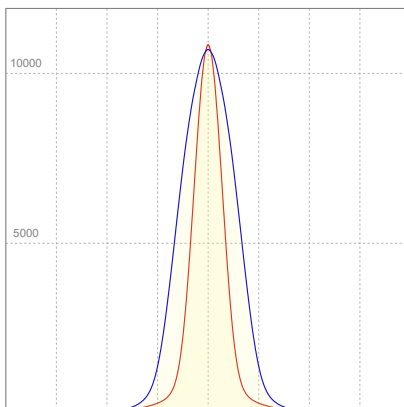
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,2°	109°	95,7%	87,9%



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	10762lx	2691lx	1196lx	673lx	430lx	191lx	108lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	1000fcd	250fcd	111fcd	62fcd	40fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,2m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,4ft	39,6ft	52,8ft	66ft	79,2ft	105,5ft	131,9ft

LINEAR DISTRIBUTION DIAGRAM

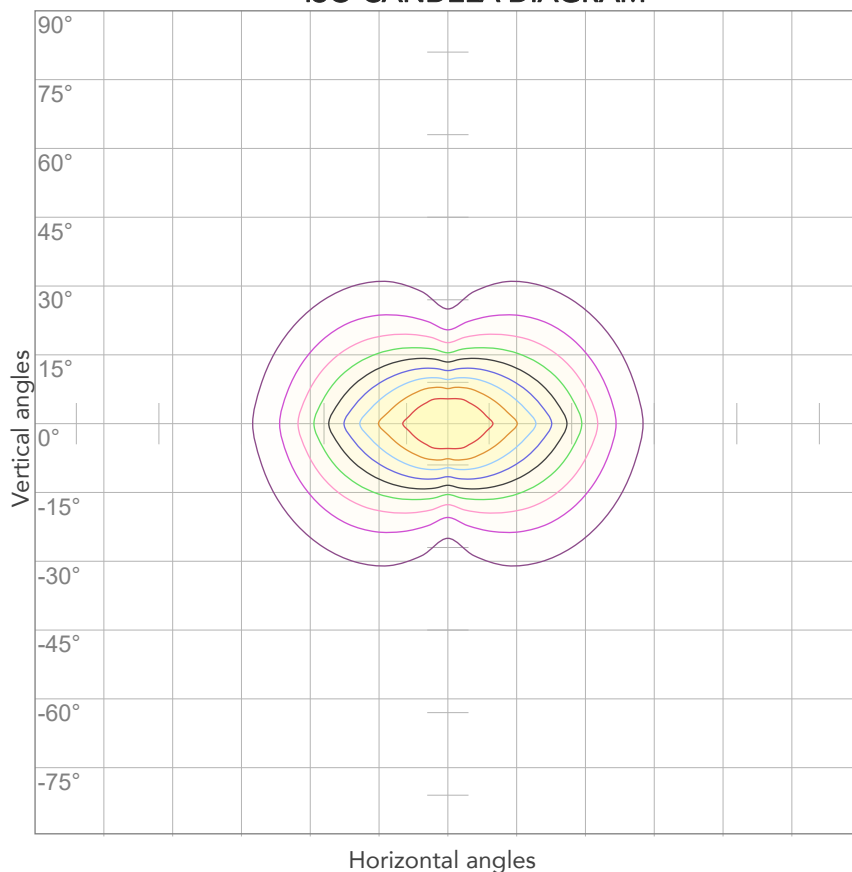


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,576A	126,7W	0,97	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



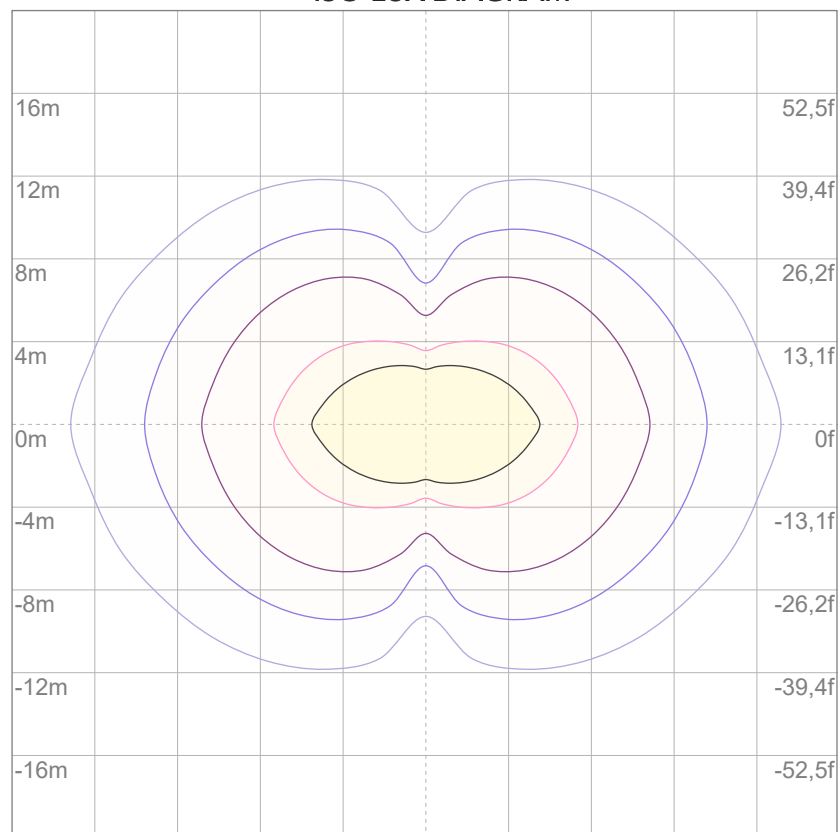
10%	1076 cd
20%	2152 cd
30%	3229 cd
40%	4305 cd
50%	5381 cd
60%	6457 cd
70%	7534 cd
80%	8610 cd

Conditions:

Number of c-planes: 4

Candela at center: 10762 cd

ISO LUX DIAGRAM



3%	3,23 lx
5%	5,38 lx
10%	10,8 lx
30%	32,3 lx
50%	53,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 108 lx

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



Total lumen output:

6116 lm

Peak candela output:

126593 cd

Light quality:

CRI: 97,0

Color temperature:

2625 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

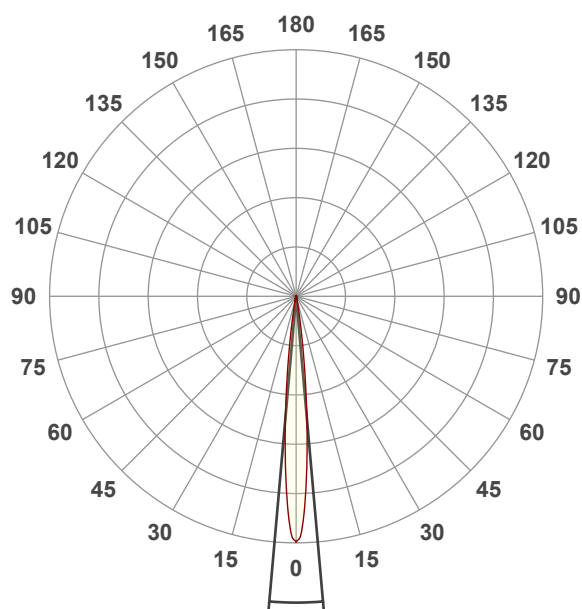
Warm White

Operator:

Salvatore Giglio

Date and time:

10/05/2024 16:29:12

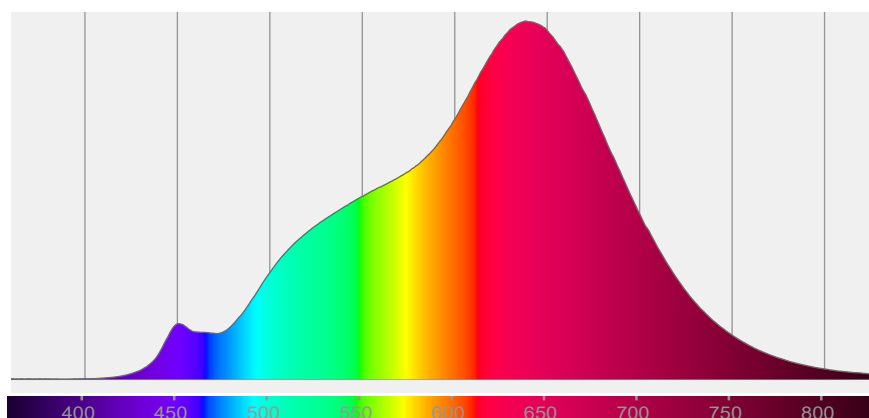


Beam angle 50%: 10,1°

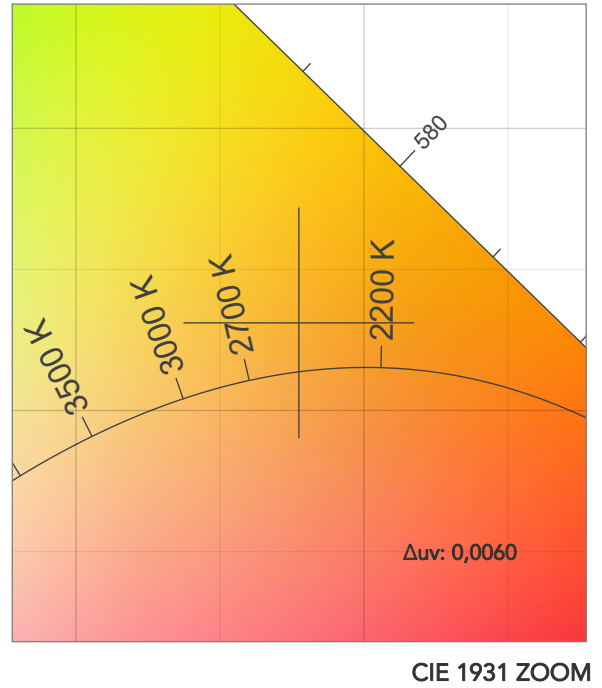
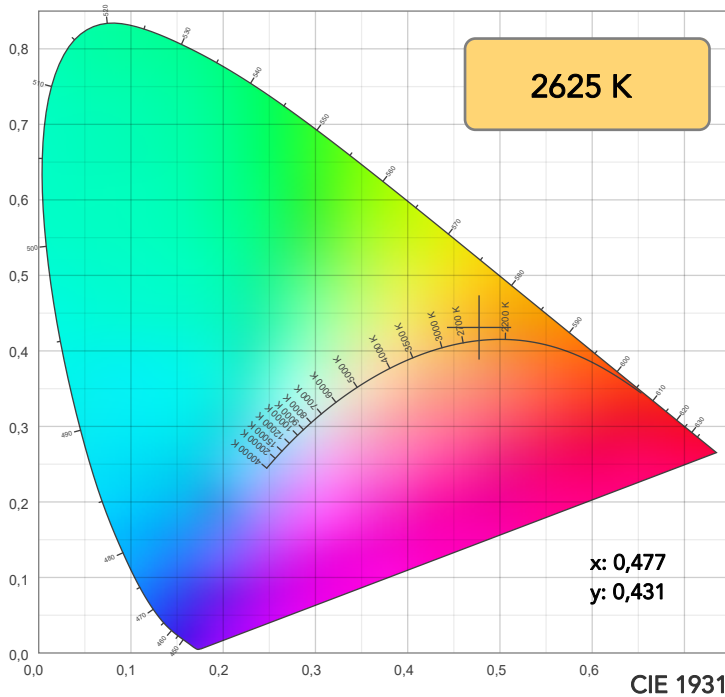
Field angle 10%: 18,3°

Cut off angle 2.5%: 24,7°

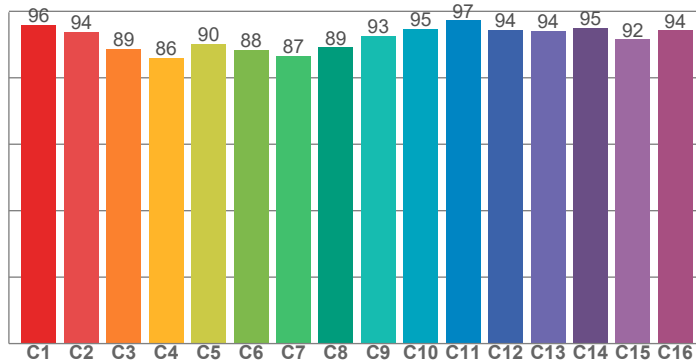
Spectra



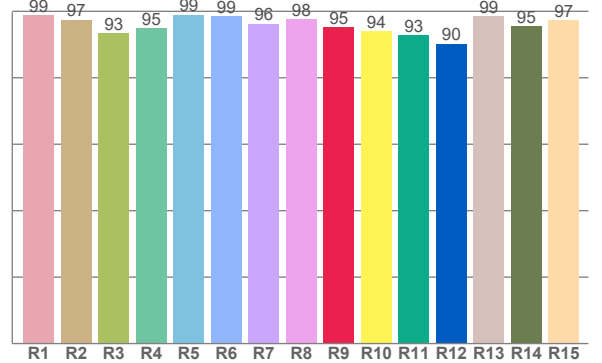
COLOR DETAILS



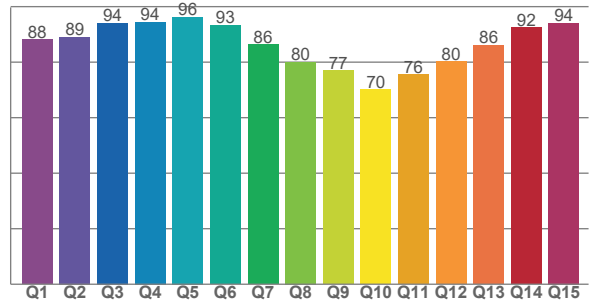
TM30: 92,2



CRI: 97,0 (R1-R8)



CQS: 83,9



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,8	97,5	93,4	95,0	99,0	98,5	96,2	97,5	95,1	94,1	92,7	90,3	98,6	95,4	97,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	93,8	88,7	86,0	90,1	88,4	86,7	89,1	92,5	94,7	97,3	94,3	94,2	94,9	91,6	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,2	89,1	94,0	94,4	96,3	93,3	86,3	80,0	77,0	70,1	75,5	80,1	86,1	92,5	94,2

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2625 K	97,0	95,1	92,2	95,1	83,9	95	0,477	0,431	0,0060

TM30 DETAILS

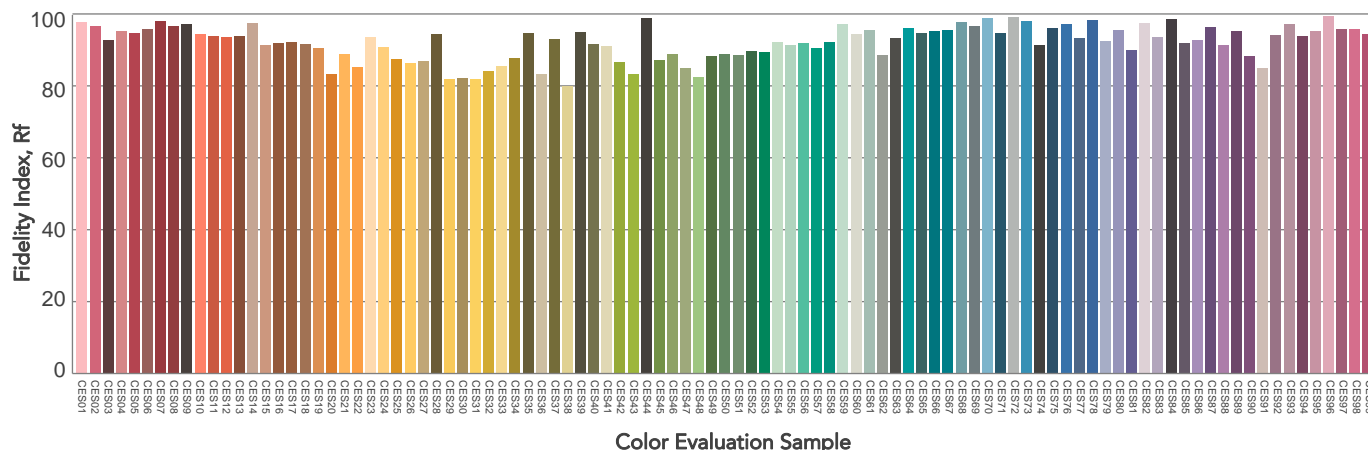
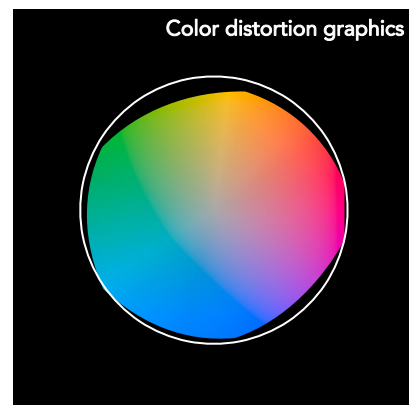
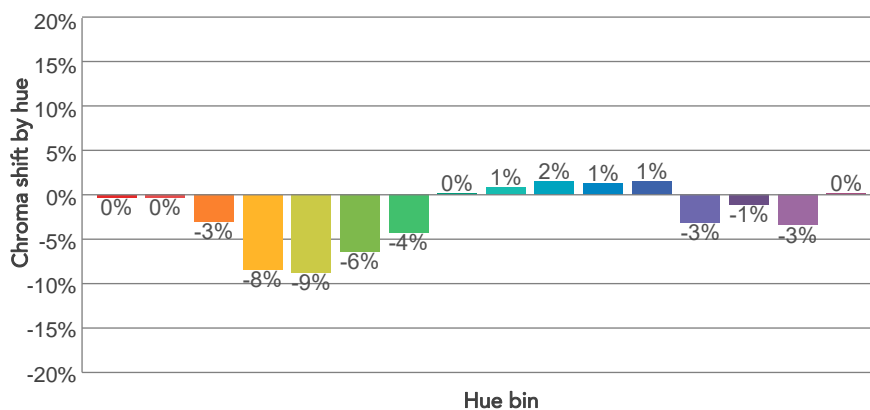
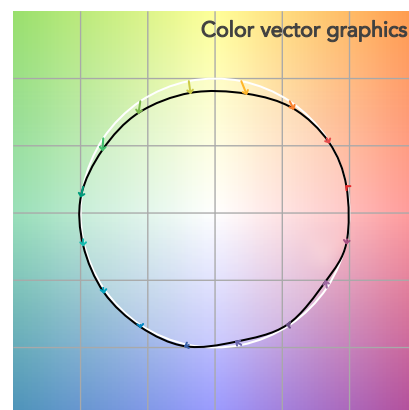
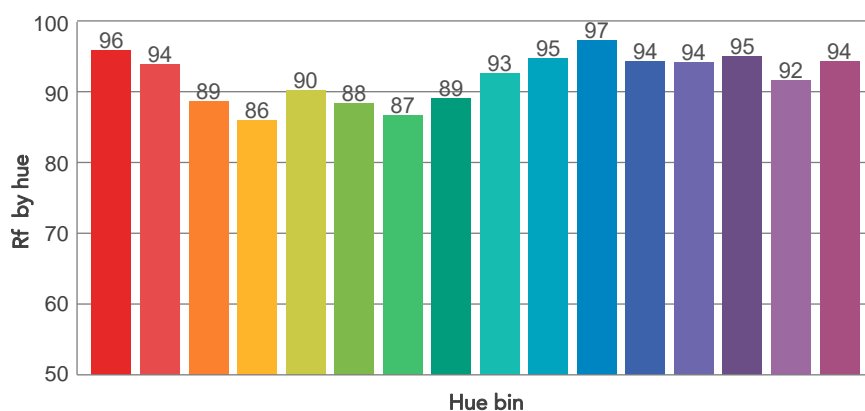
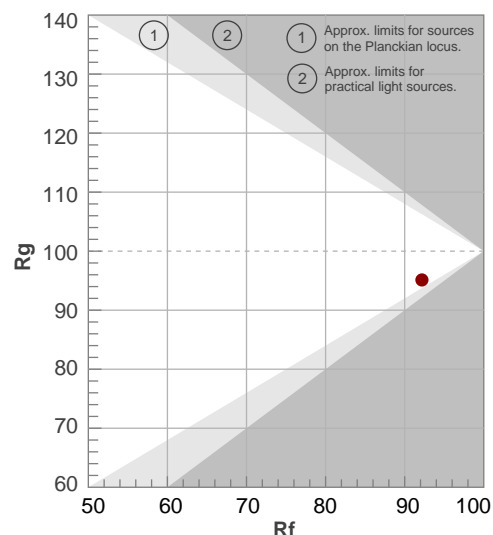
Rf 92,2

Fidelity index Rf

Rg 95,1

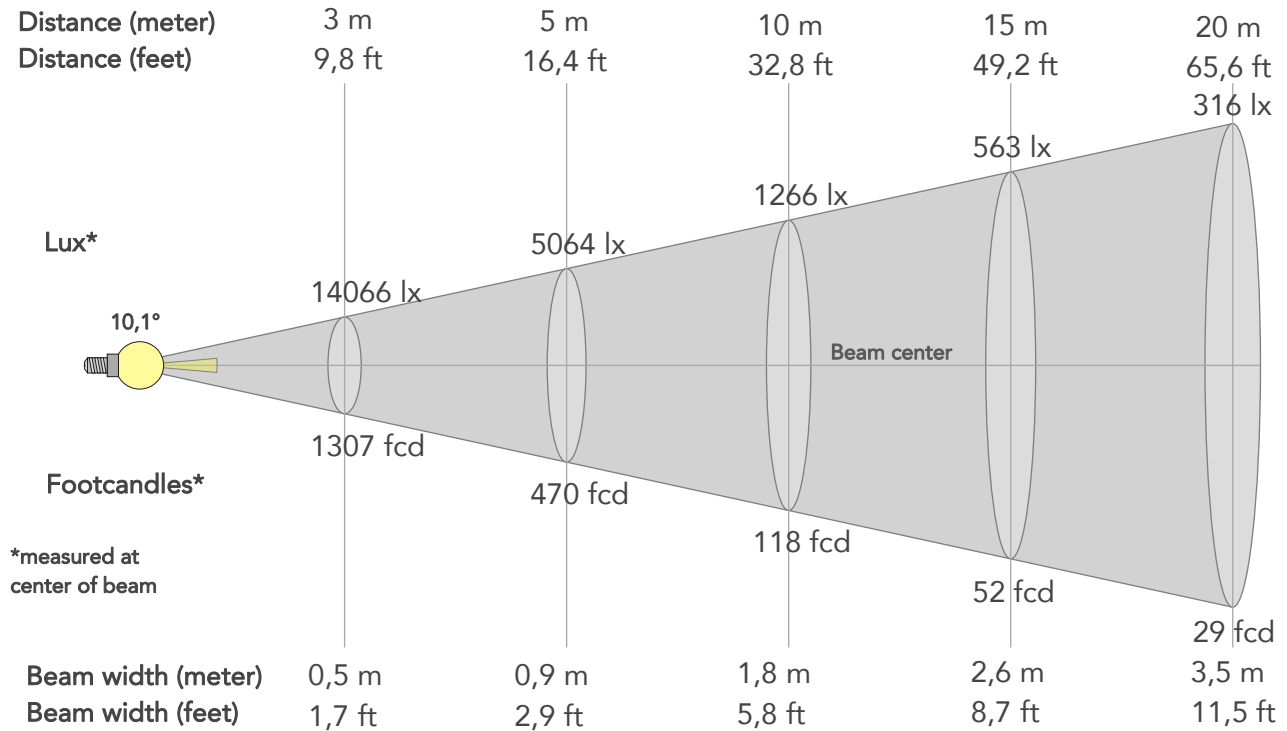
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	0%
2	94	0%	-3%
3	89	-3%	-5%
4	86	-8%	-6%
5	90	-9%	1%
6	88	-6%	6%
7	87	-4%	7%
8	89	0%	7%
9	93	1%	4%
10	95	2%	3%
11	97	1%	1%
12	94	1%	-2%
13	94	-3%	-3%
14	95	-1%	-2%
15	92	-3%	3%
16	94	0%	-3%



BEAM DETAILS

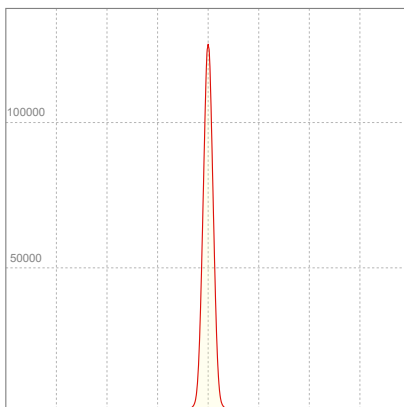
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,1°	18,3°	24,7°	94,0%	90,2%



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	126593lx	31648lx	14066lx	7912lx	5064lx	2251lx	1266lx	563lx	316lx	203lx	141lx	79lx	51lx
Footcand.	11761fcd	2940fcd	1307fcd	735fcd	470fcd	209fcd	118fcd	52fcd	29fcd	19fcd	13fcd	7fcd	5fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,7ft	11,5ft	14,4ft	17,3ft	23,1ft	28,8ft

LINEAR DISTRIBUTION DIAGRAM

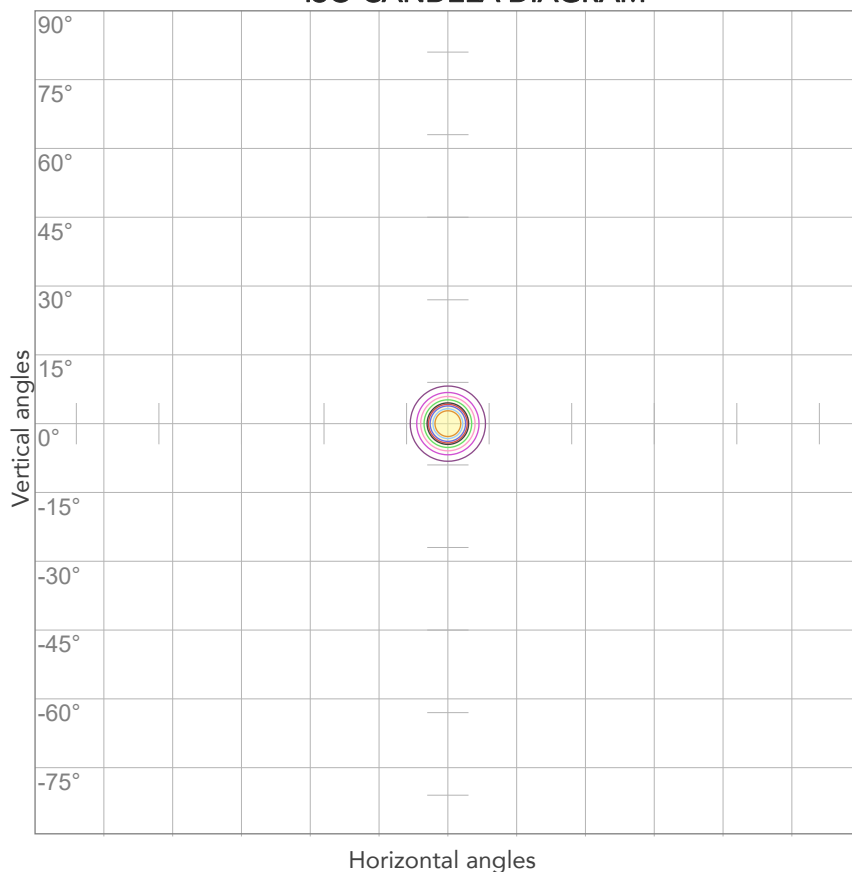


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,562A	124,3W	0,97	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



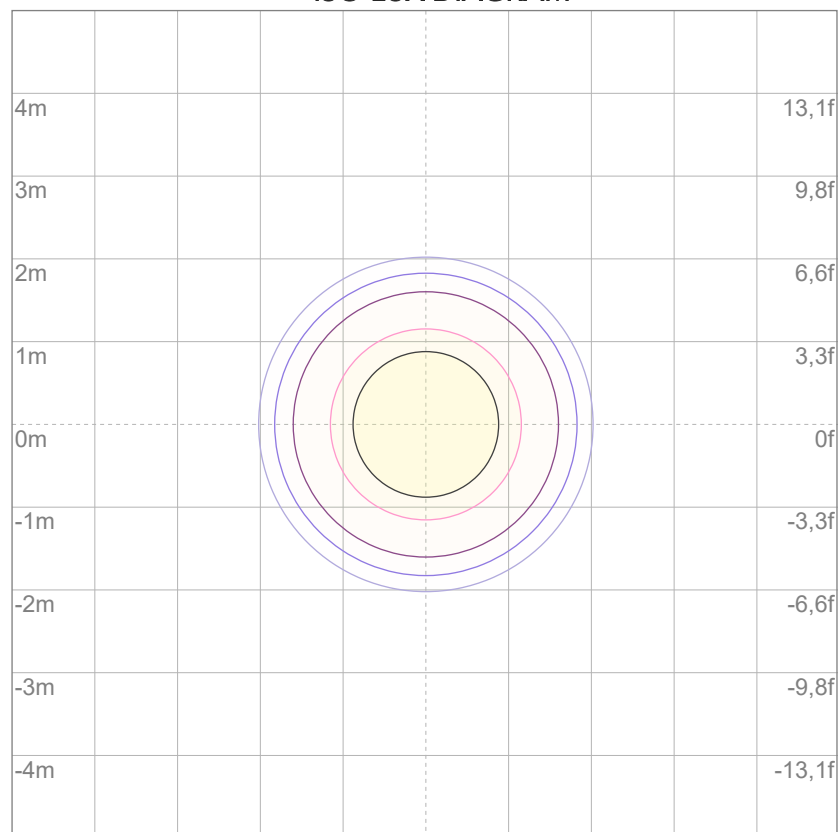
10%	12659 cd
20%	25319 cd
30%	37978 cd
40%	50637 cd
50%	63296 cd
60%	75956 cd
70%	88615 cd
80%	101274 cd

Conditions:

Number of c-planes: 2

Candela at center: 126593 cd

ISO LUX DIAGRAM



3%	38,0 lx
5%	63,3 lx
10%	127 lx
30%	380 lx
50%	633 lx

Conditions:

Number of c-planes: 2

Lux at center: 1266 lx

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



Total lumen output:

5464 lm

Peak candela output:

22706 cd

Light quality:

CRI: 96,8

Color temperature:

2629 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

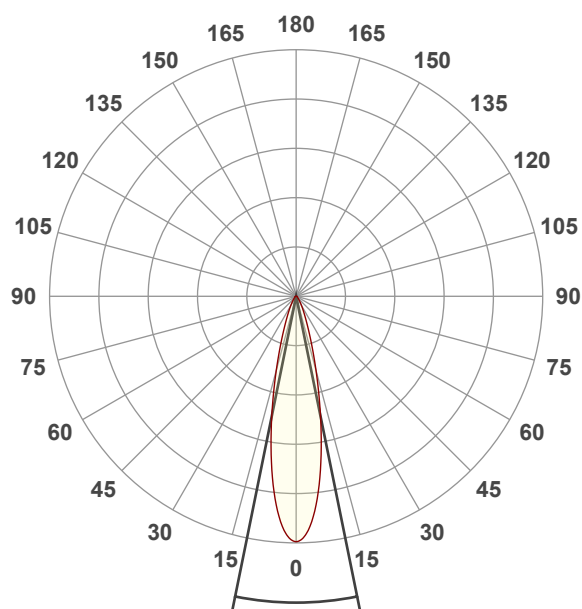
Warm White

Operator:

Salvatore Giglio

Date and time:

08/04/2024 15:48:46

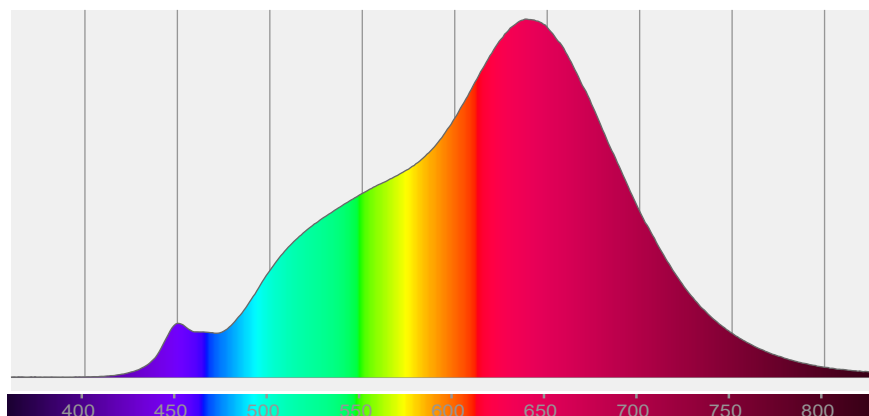


Beam angle 50%: 23°

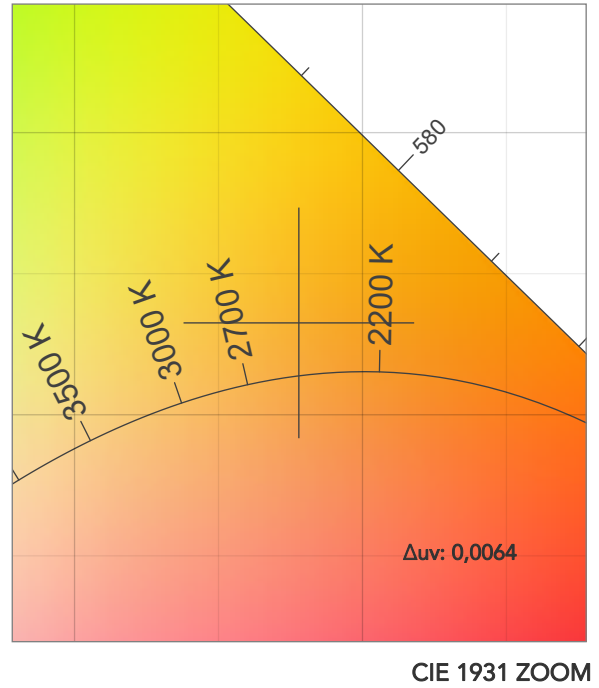
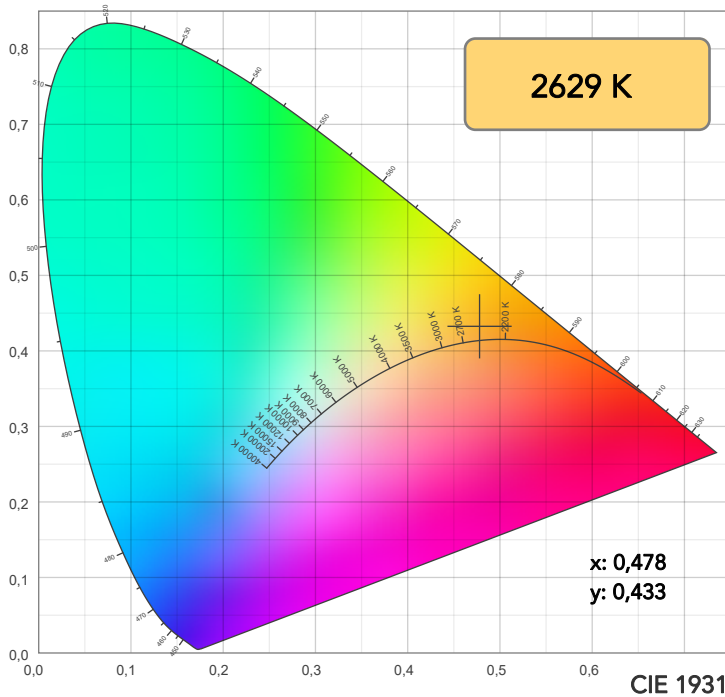
Field angle 10%: 46°

Cut off angle 2.5%: 71°

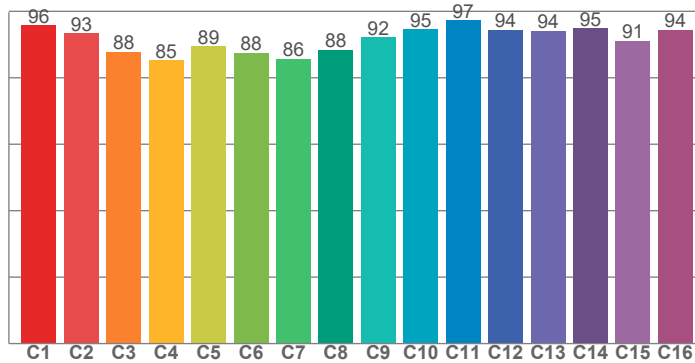
Spectra



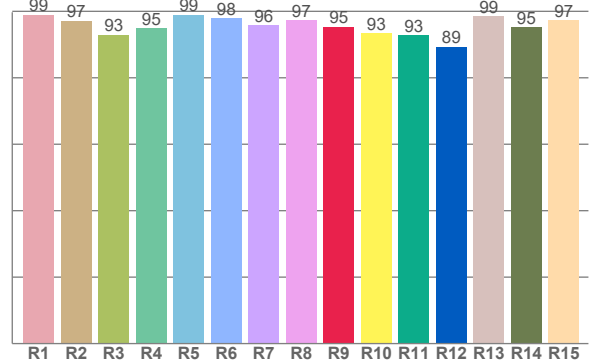
COLOR DETAILS



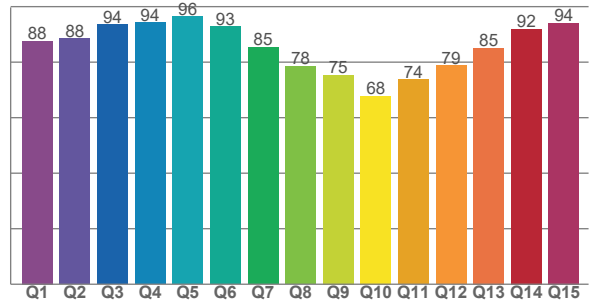
TM30: 91,8



CRI: 96,8 (R1-R8)



CQS: 82,8



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,0	97,1	93,0	94,8	99,0	98,0	95,8	97,3	95,3	93,3	92,8	89,4	98,5	95,2	97,2

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
95,8	93,4	87,8	85,2	89,5	87,6	85,8	88,3	92,2	94,6	97,3	94,4	94,1	94,9	91,1	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,7	88,4	93,5	94,3	96,4	92,8	85,3	78,5	75,3	67,8	73,7	78,7	85,1	91,9	94,2

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2629 K	96,8	95,3	91,8	94,6	82,8	95	0,478	0,433	0,0064

TM30 DETAILS

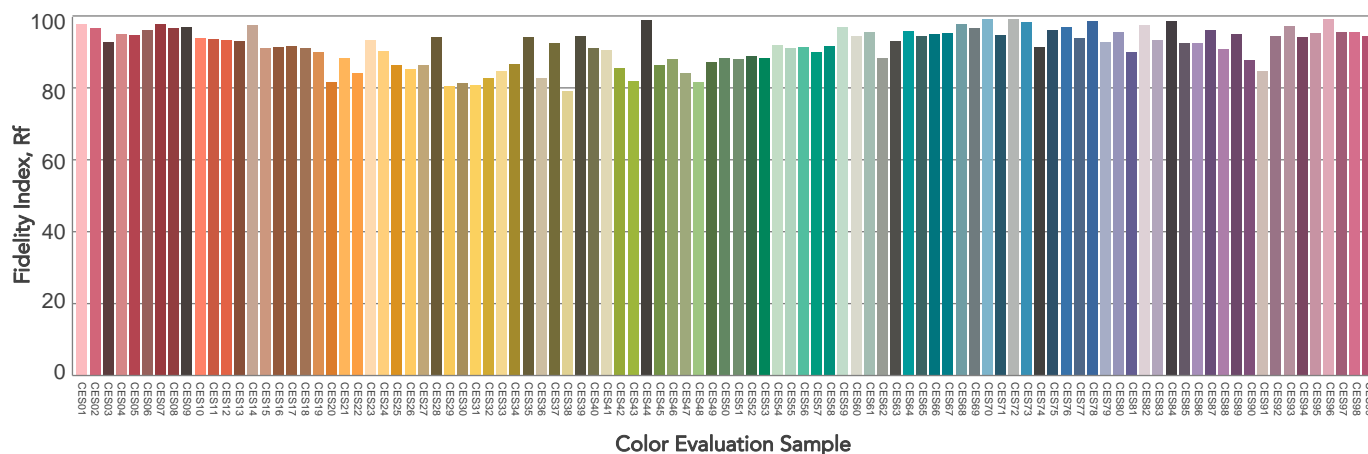
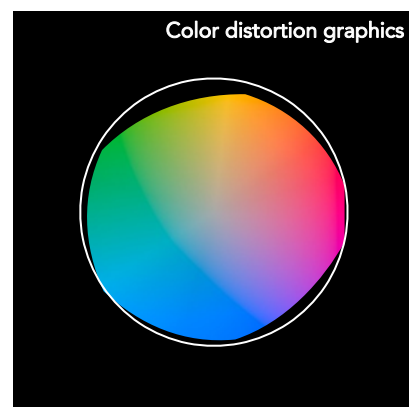
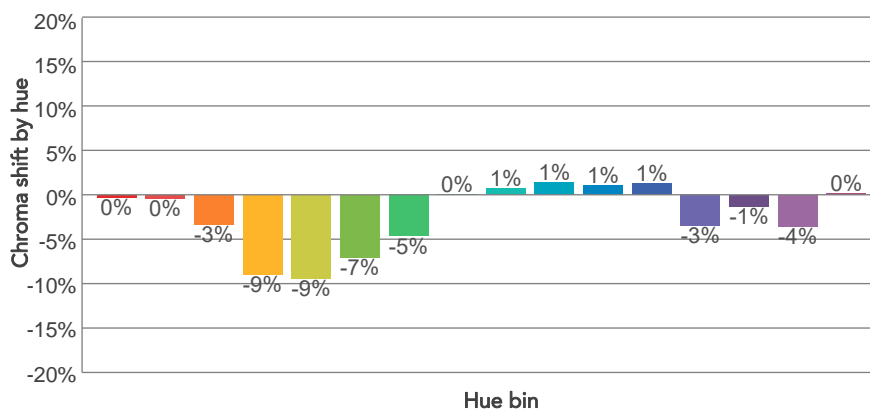
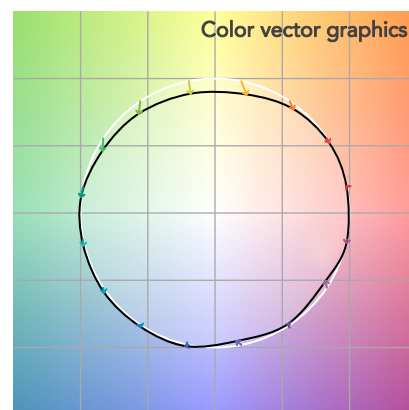
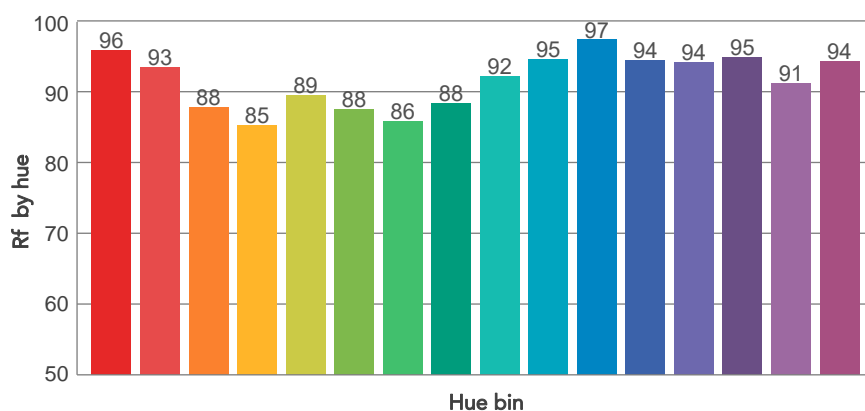
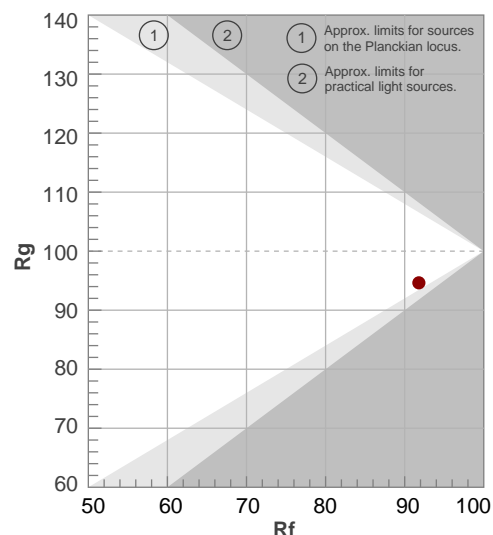
Rf 91,8

Fidelity index Rf

Rg 94,6

Gammut index

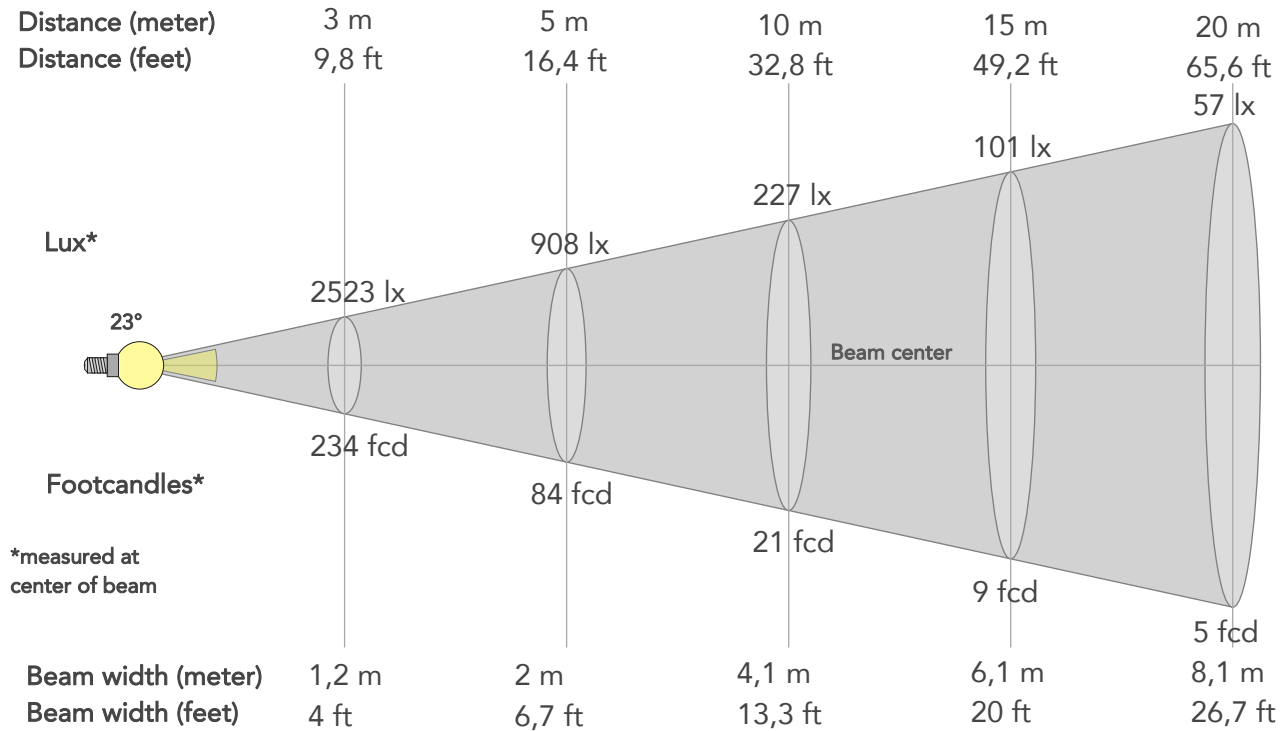
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	0%
2	93	0%	-4%
3	88	-3%	-6%
4	85	-9%	-6%
5	89	-9%	1%
6	88	-7%	6%
7	86	-5%	8%
8	88	0%	8%
9	92	1%	5%
10	95	1%	3%
11	97	1%	1%
12	94	1%	-2%
13	94	-3%	-3%
14	95	-1%	-1%
15	91	-4%	4%
16	94	0%	-3%



BEAM DETAILS



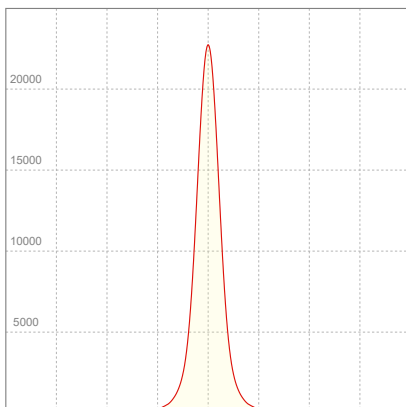
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	46°	71°	96,5%	92,2%



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	22706lx	5677lx	2523lx	1419lx	908lx	404lx	227lx	101lx	57lx	36lx	25lx	14lx	9lx
Footcand.	2109fcd	527fcd	234fcd	132fcd	84fcd	38fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,7ft	33,3ft	40ft	53,3ft	66,7ft

LINEAR DISTRIBUTION DIAGRAM

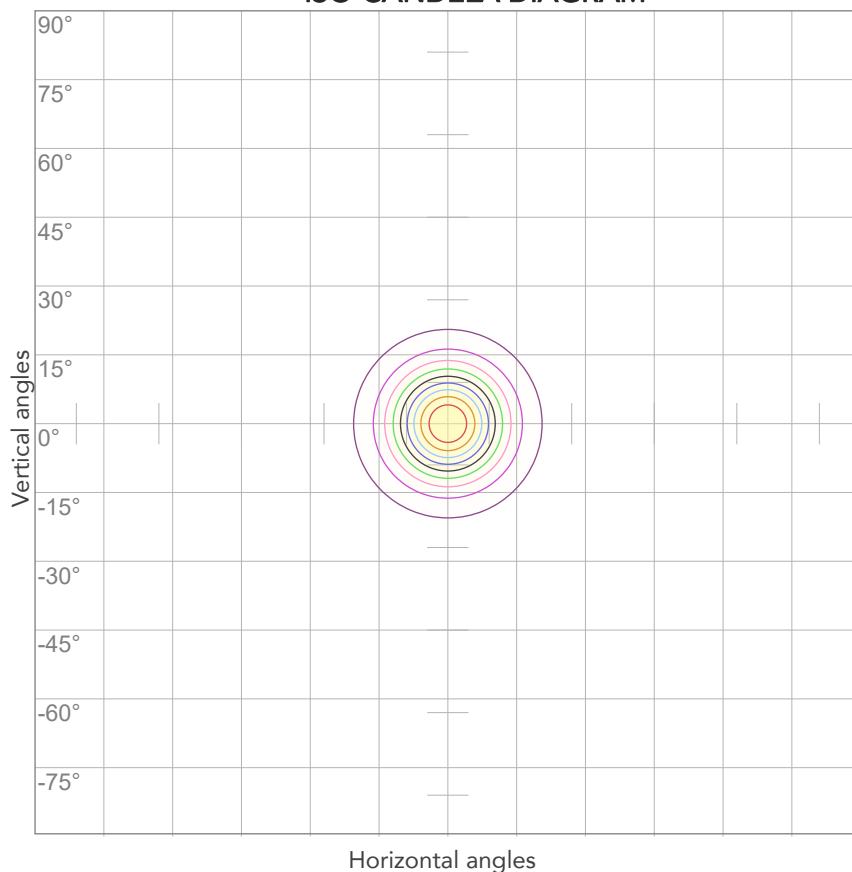


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,572A	125,2W	0,97	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



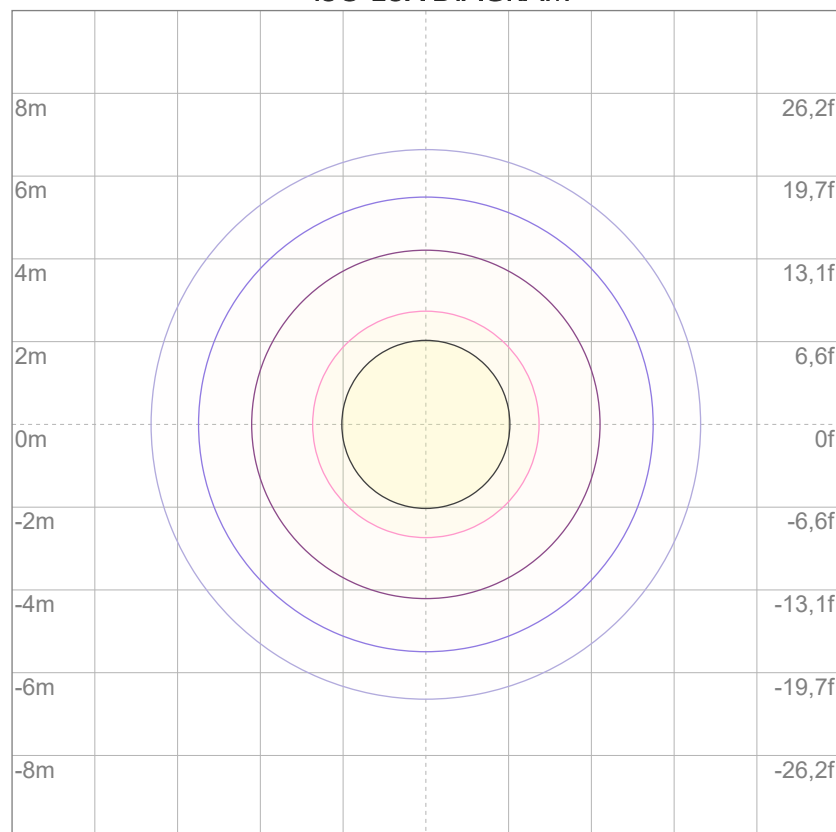
10%	2271 cd
20%	4541 cd
30%	6812 cd
40%	9083 cd
50%	11353 cd
60%	13624 cd
70%	15894 cd
80%	18165 cd

Conditions:

Number of c-planes: 2

Candela at center: 22706 cd

ISO LUX DIAGRAM



3%	6,81 lx
5%	11,4 lx
10%	22,7 lx
30%	68,1 lx
50%	114 lx

Conditions:

Number of c-planes: 2

Lux at center: 227 lx

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



Total lumen output:

5416 lm

Peak candela output:

6836 cd

Light quality:

CRI: 96,6

Color temperature:

2659 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

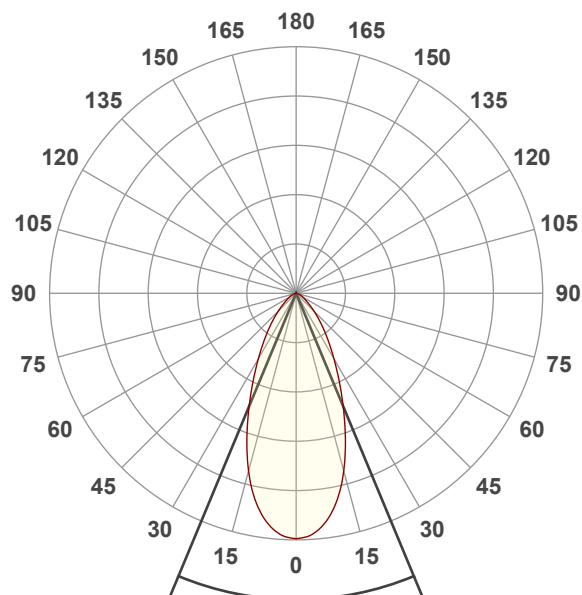
Warm White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:51:12

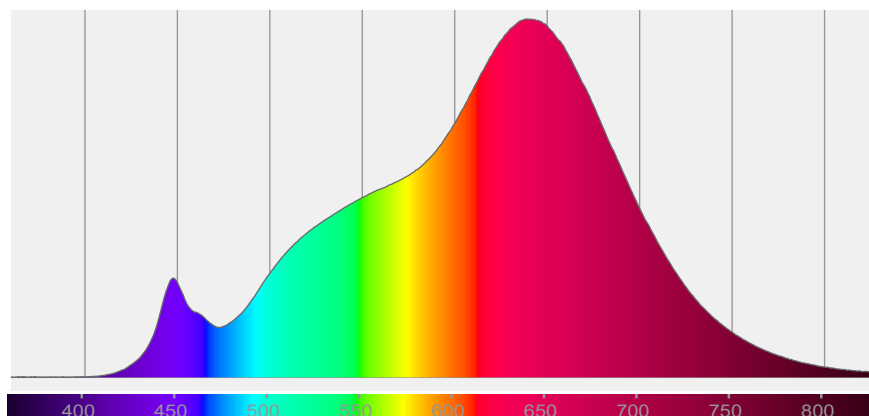


Beam angle 50%: 45,2°

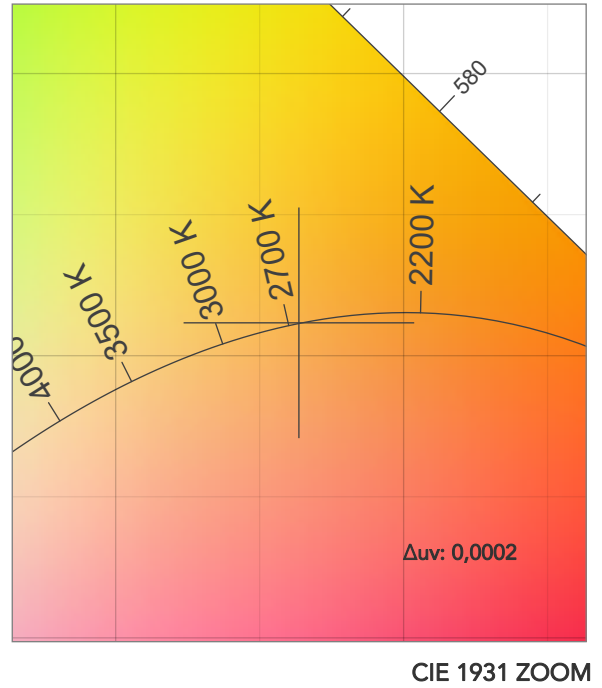
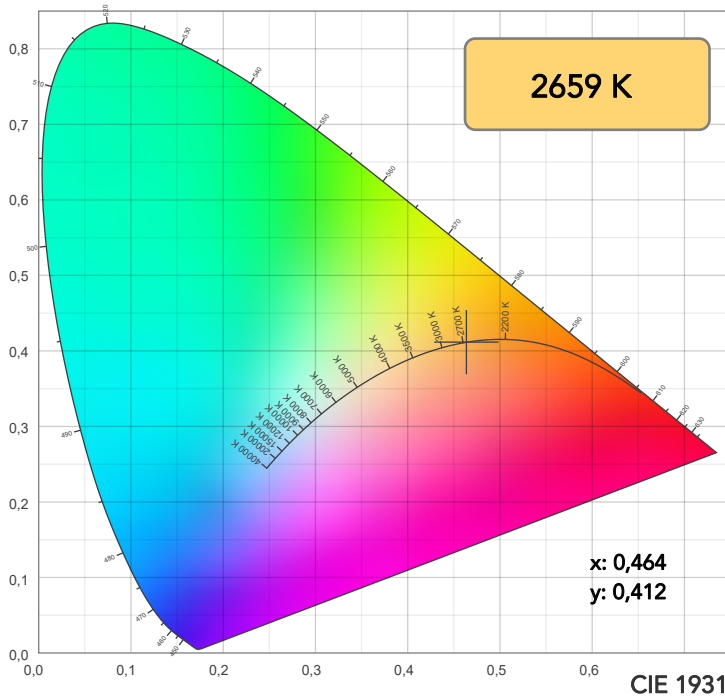
Field angle 10%: 90,8°

Cut off angle 2.5%: 127,2°

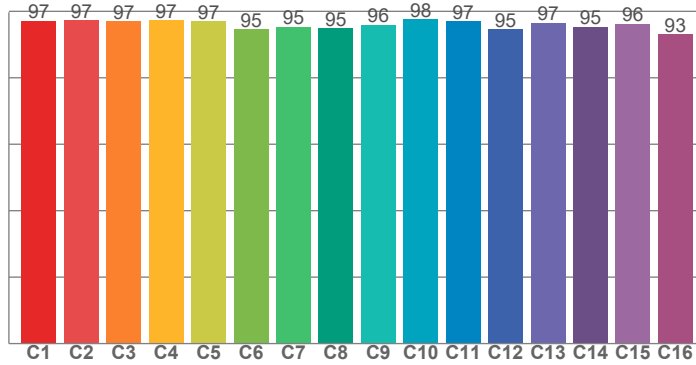
Spectra



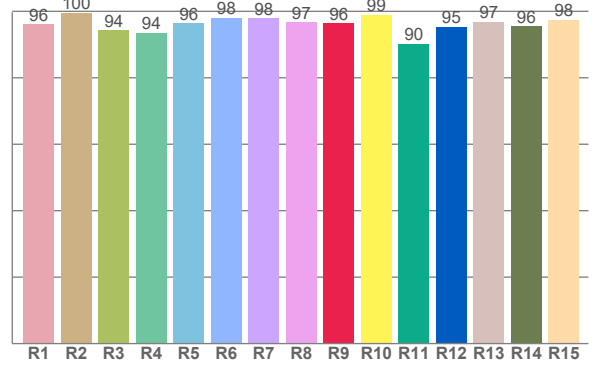
COLOR DETAILS



TM30: 96,3



CRI: 96,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,2	99,6	94,2	93,5	96,5	98,1	97,8	96,8	96,3	99,0	90,2	95,4	96,9	95,6	97,5

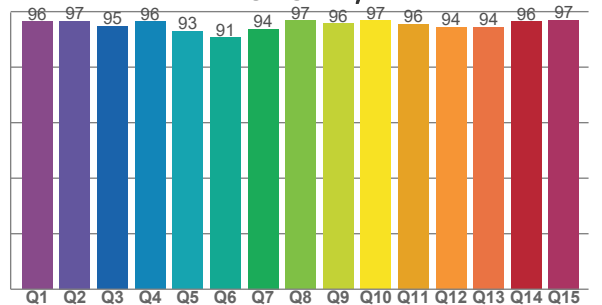
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97,1	97,3	96,9	97,3	97,0	94,5	95,3	94,9	96,0	97,5	97,0	94,6	96,5	95,4	96,3	93,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	96,6	94,7	96,4	92,9	90,6	93,8	96,8	95,7	96,8	95,5	94,4	94,5	96,4	97,0

CQS: 94,7



COLOR PARAMETERS

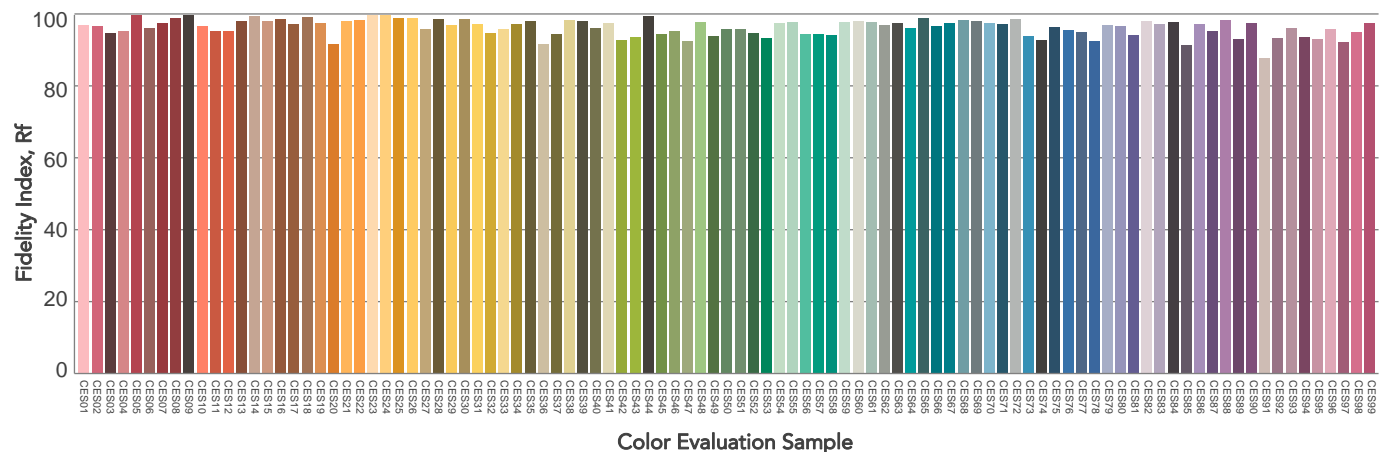
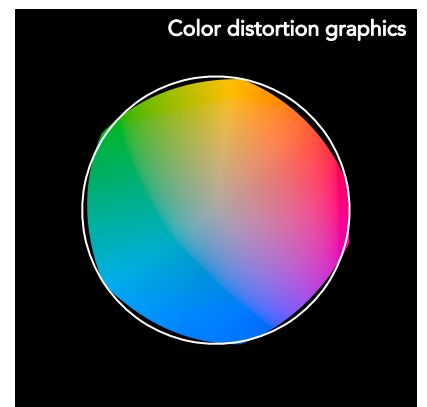
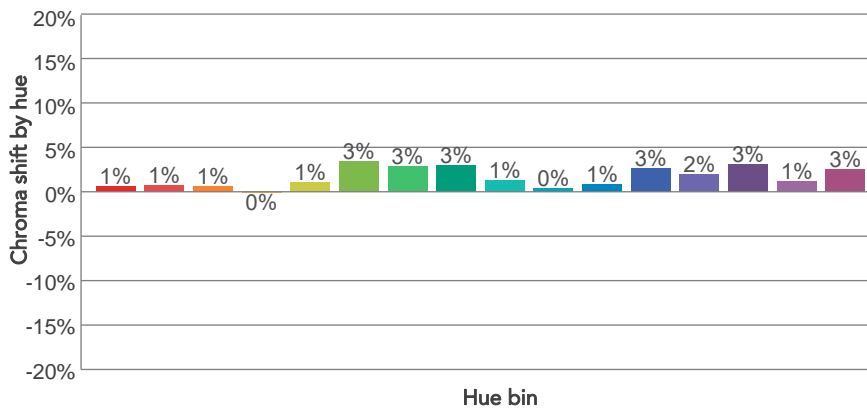
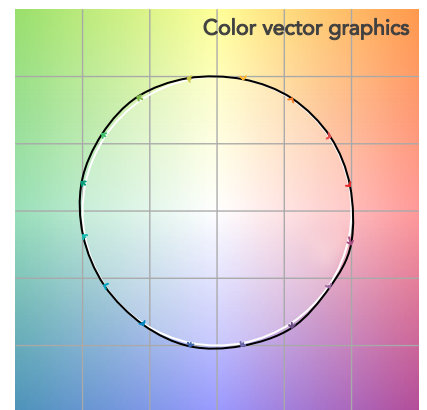
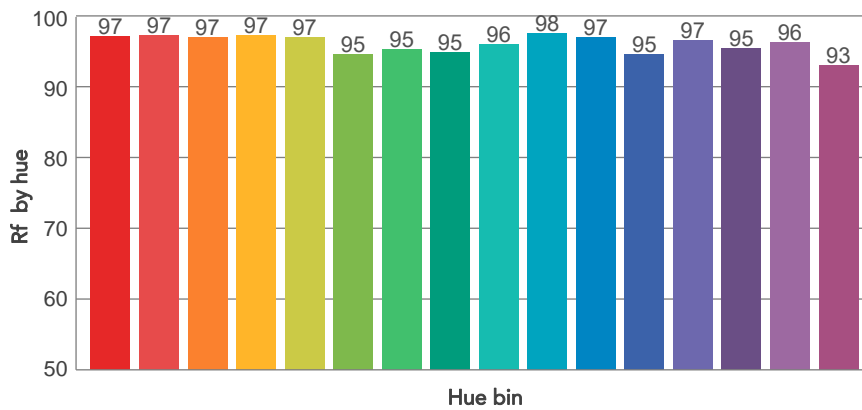
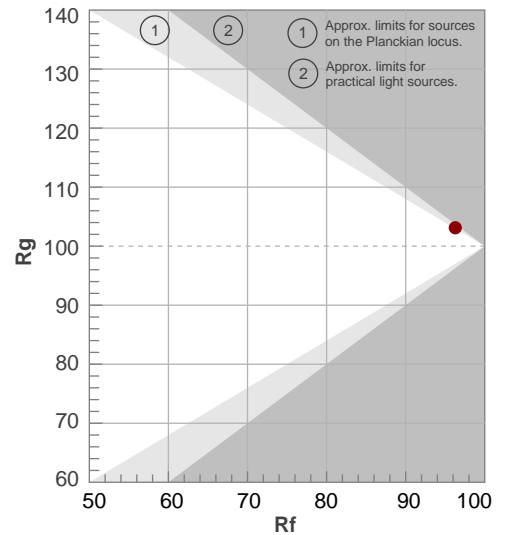
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2659 K	96,6	96,3	96,3	103,1	94,7	98	0,464	0,412	0,0002

TM30 DETAILS

Rf 96,3
Fidelity index Rf

Rg 103,1
Gammut index

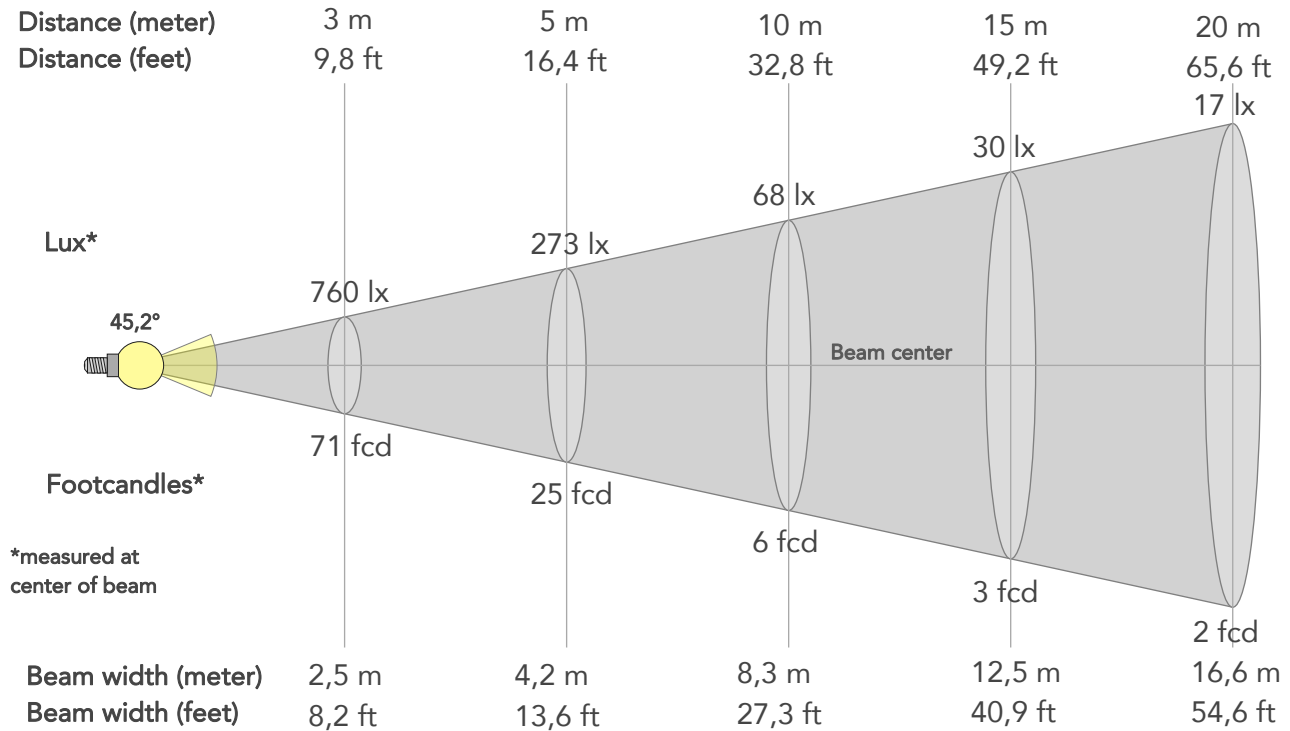
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	95	3%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	98	0%	-1%
11	97	1%	1%
12	95	3%	0%
13	97	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	3%	-5%



BEAM DETAILS



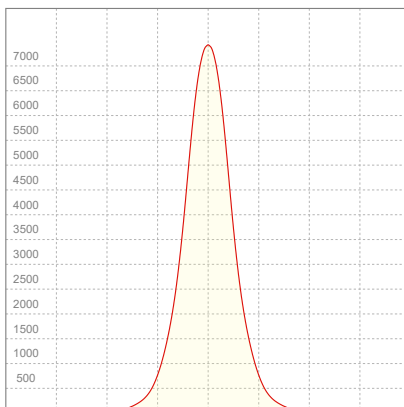
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127,2°	95,3%	85,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6836lx	1709lx	760lx	427lx	273lx	122lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	635fcd	159fcd	71fcd	40fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,6m	20,8m	25m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,6ft	20,5ft	27,3ft	40,9ft	54,6ft	68,2ft	81,9ft	109,2ft	136,5ft

LINEAR DISTRIBUTION DIAGRAM

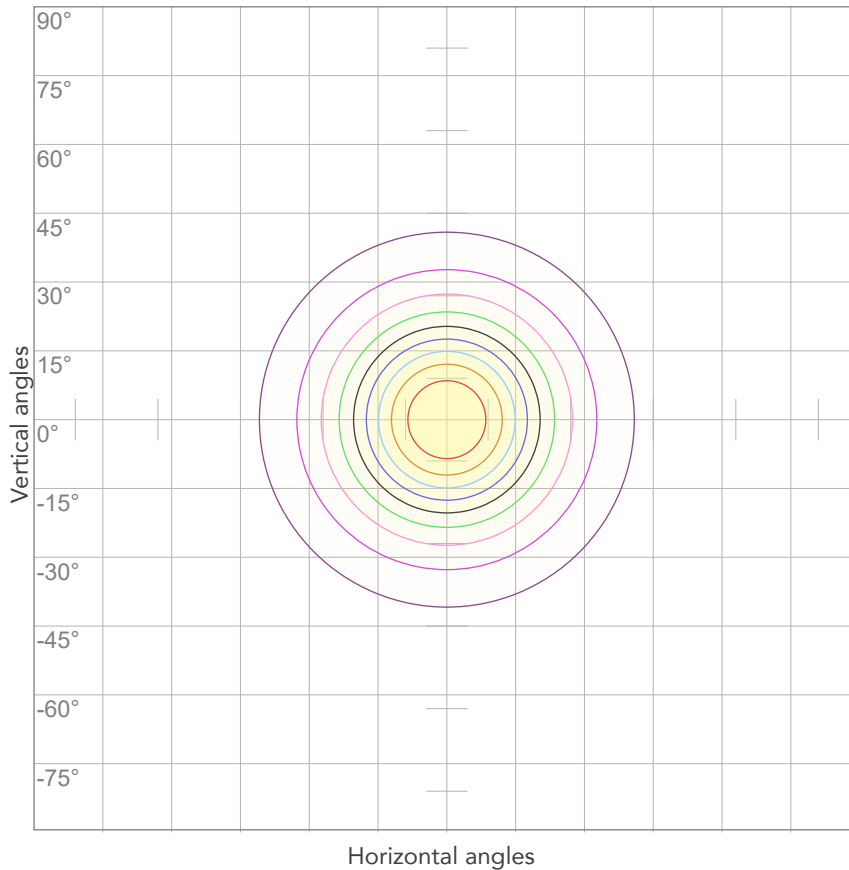


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,573A	126,3W	0,97	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



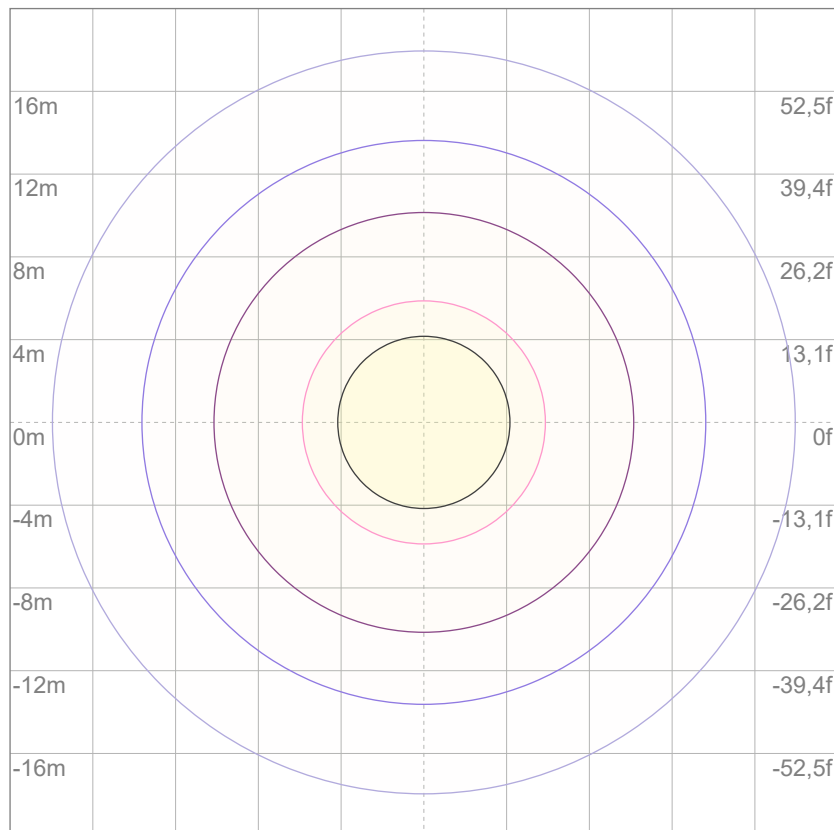
10%	684 cd
20%	1367 cd
30%	2051 cd
40%	2734 cd
50%	3418 cd
60%	4102 cd
70%	4785 cd
80%	5469 cd

Conditions:

Number of c-planes: 2

Candela at center: 6836 cd

ISO LUX DIAGRAM



3%	2,05 lx
5%	3,42 lx
10%	6,84 lx
30%	20,5 lx
50%	34,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 68,4 lx

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



Total lumen output:

6278 lm

Peak candela output:

5661 cd

Light quality:

CRI: 96,6

Color temperature:

2663 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

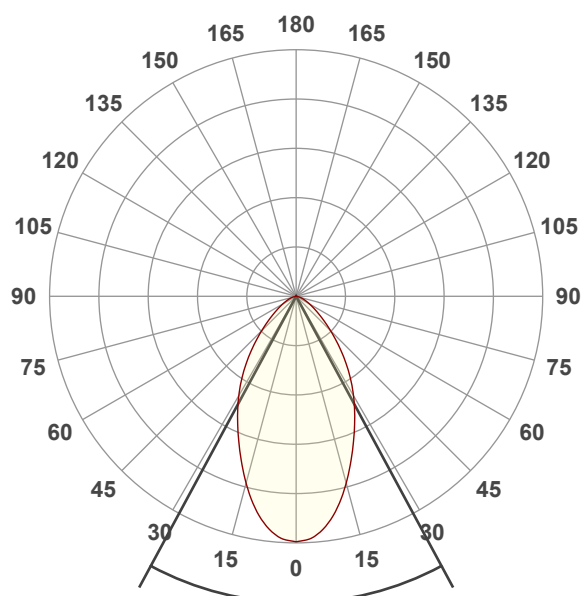
Warm White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:30:37

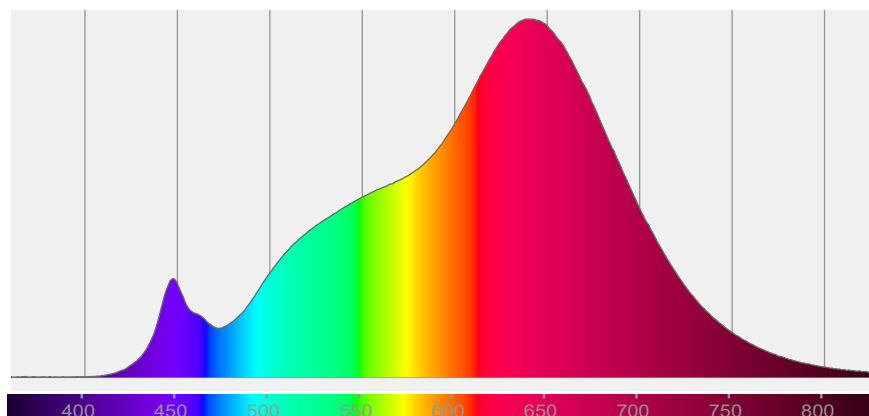


Beam angle 50%: 56,7°

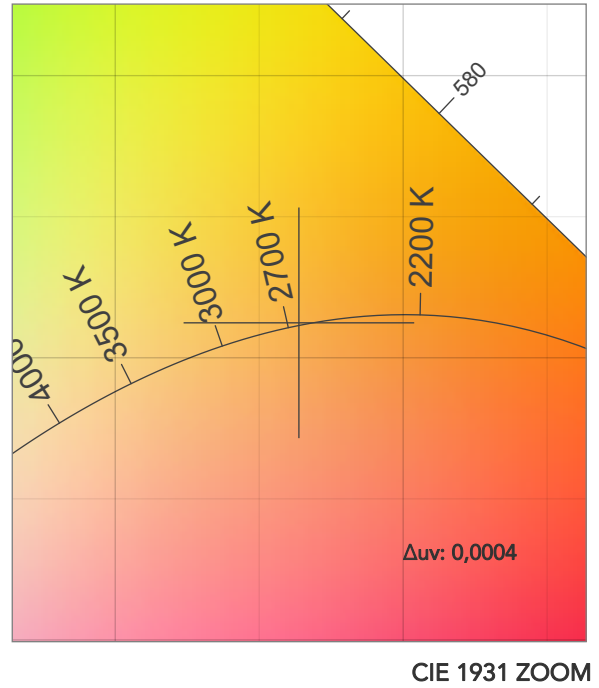
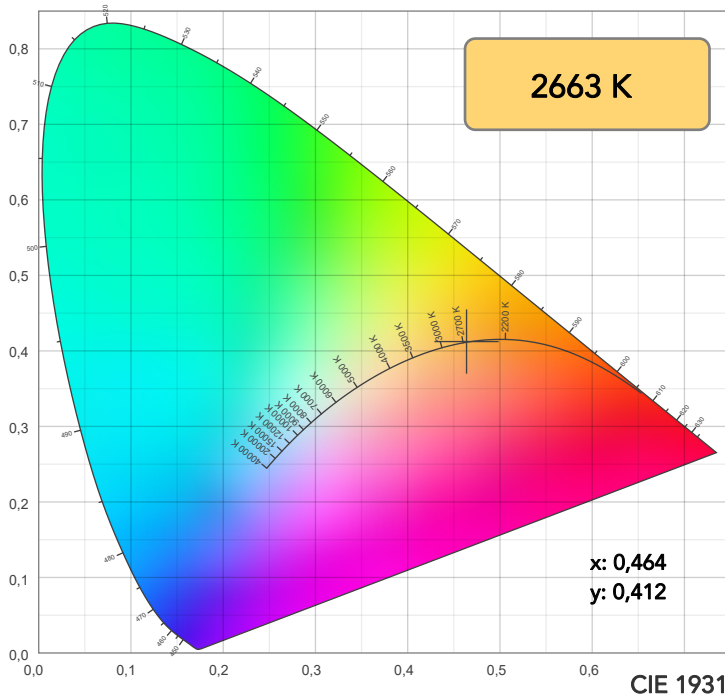
Field angle 10%: 108,2°

Cut off angle 2.5%: 142,3°

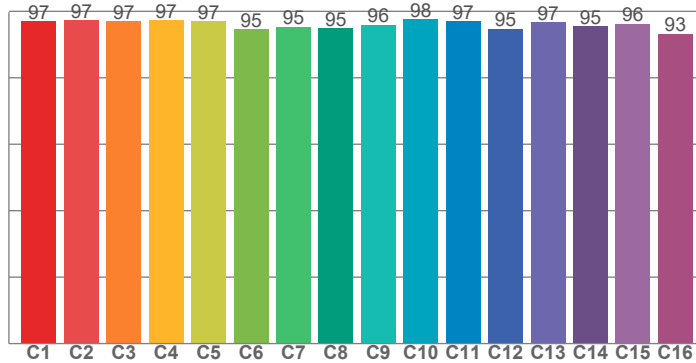
Spectra



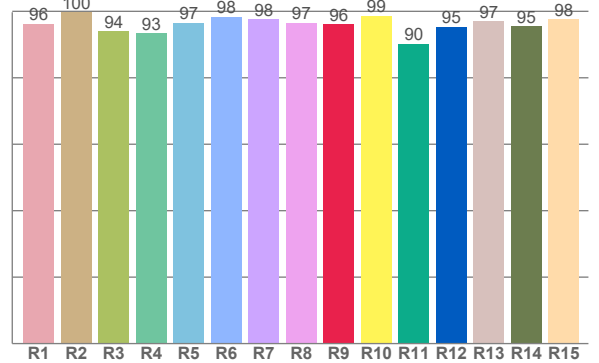
COLOR DETAILS



TM30: 96,3



CRI: 96,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	99,8	94,0	93,5	96,6	98,4	97,7	96,6	96,2	98,6	90,2	95,3	97,0	95,5	97,5

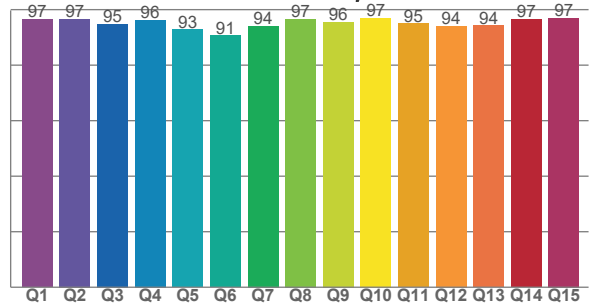
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97,0	97,3	97,0	97,3	97,0	94,6	95,4	94,9	96,0	97,5	97,0	94,7	96,7	95,5	96,3	93,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	96,7	94,8	96,2	92,8	90,7	94,1	96,6	95,6	96,9	95,0	94,1	94,2	96,5	97,0

CQS: 94,6



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
2663 K	96,6	96,2	96,3	103,0	94,6	98	0,464	0,412	0,0004

TM30 DETAILS

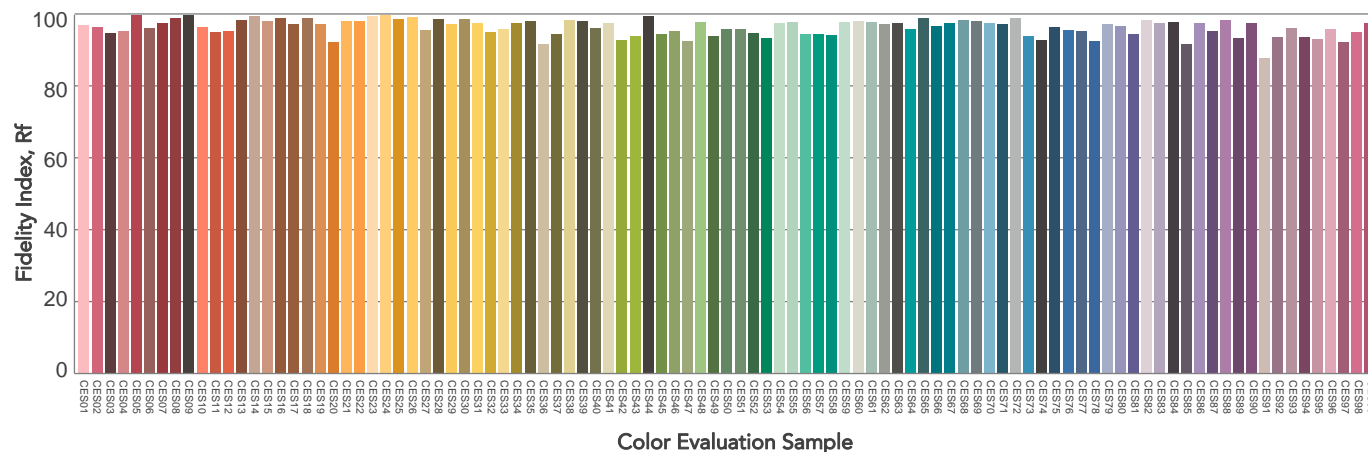
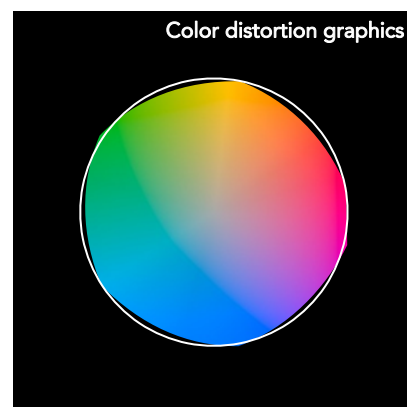
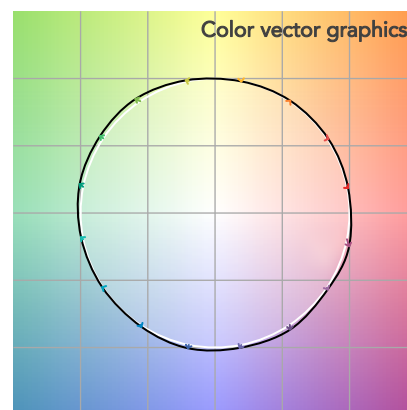
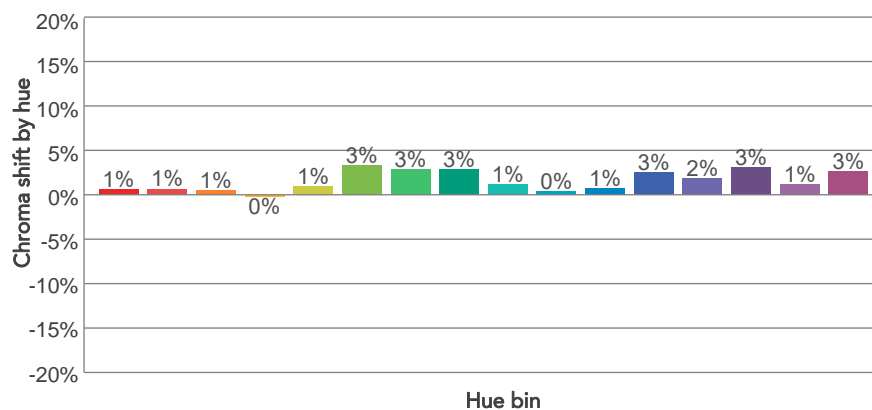
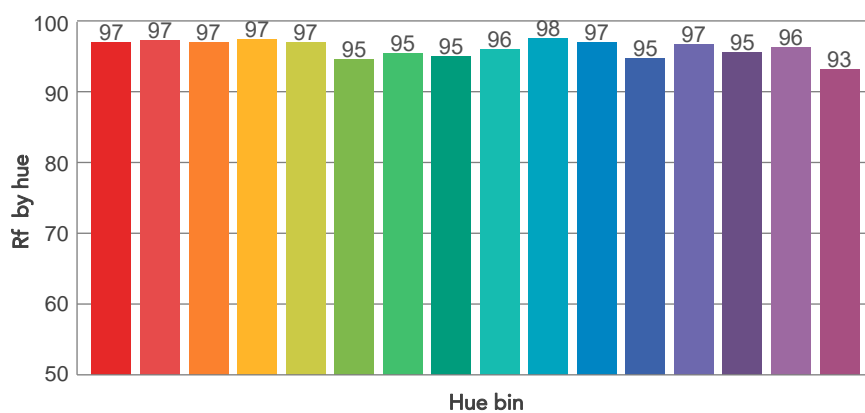
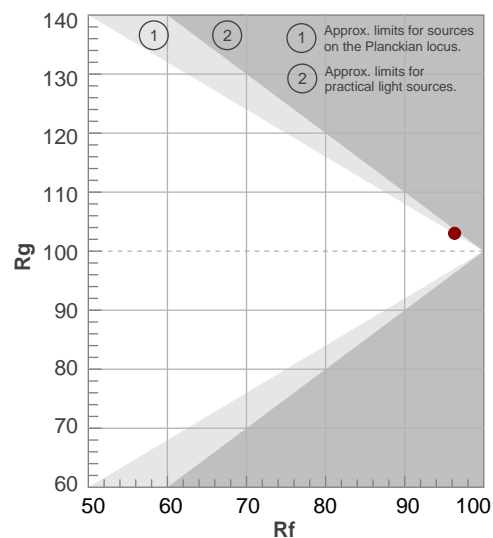
Rf 96,3

Fidelity index R_f

Rg 103,0

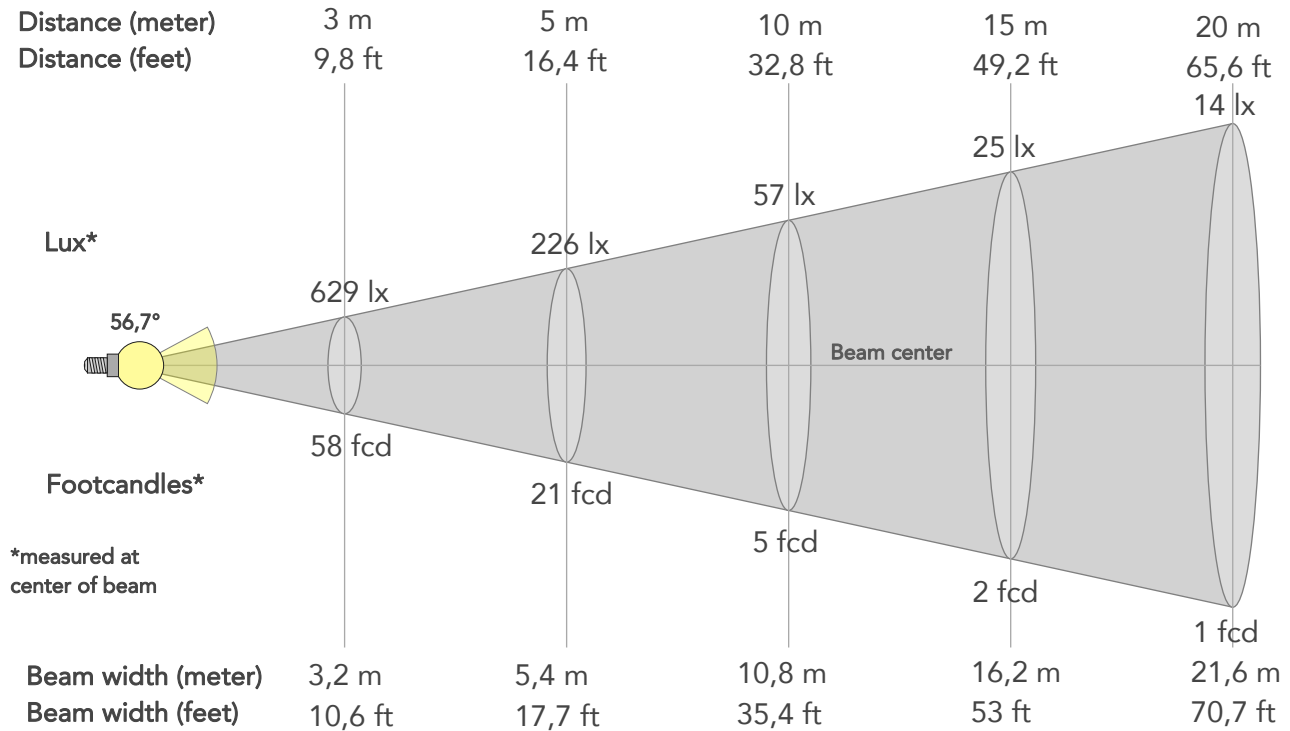
Gammut index

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



BEAM DETAILS

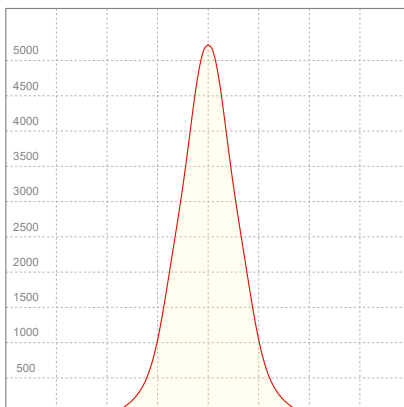
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	108,2°	142,3°	93,9%	80,2%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5661lx	1415lx	629lx	354lx	226lx	101lx	57lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	526fcd	131fcd	58fcd	33fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,3m	43,1m	53,9m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,4ft	53ft	70,7ft	88,4ft	106,1ft	141,5ft	176,8ft

LINEAR DISTRIBUTION DIAGRAM

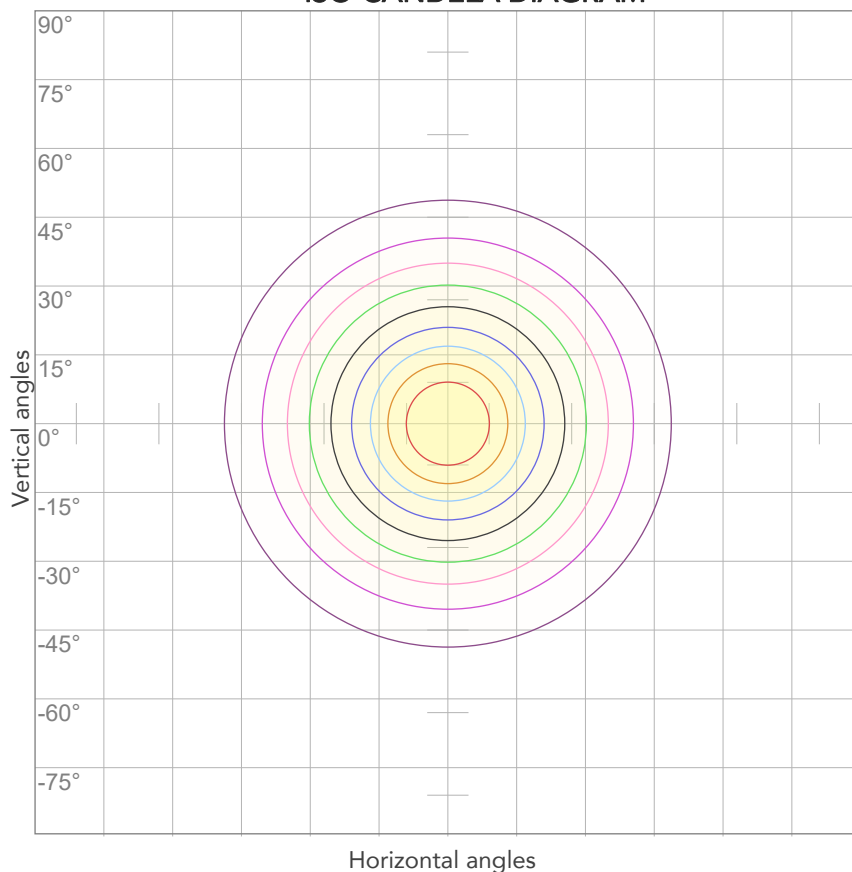


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,580A	127W	0,97	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



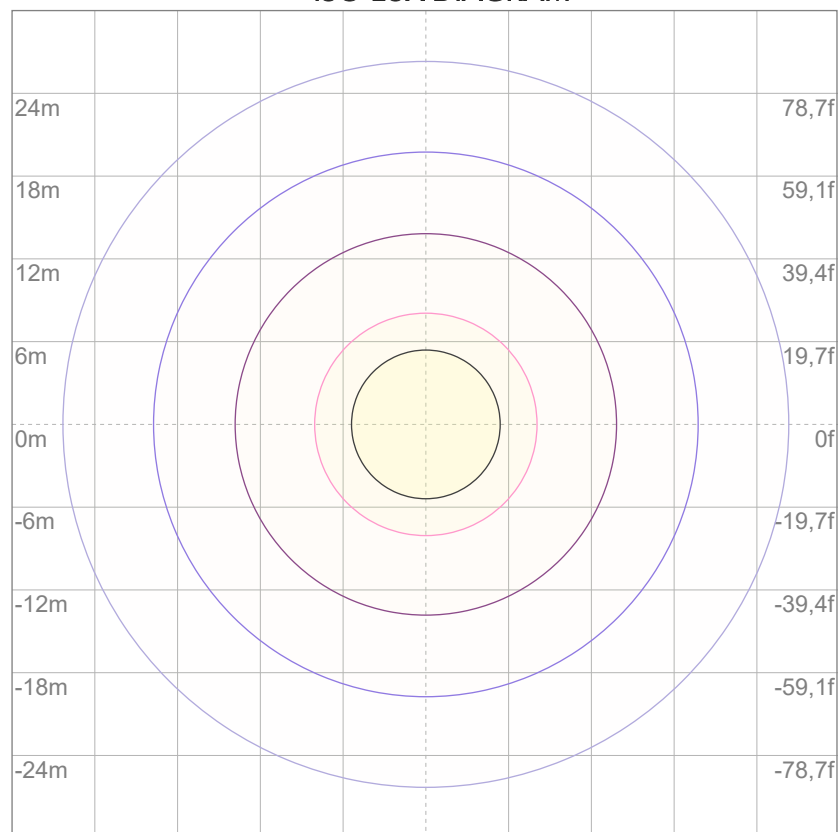
10%	566 cd
20%	1132 cd
30%	1698 cd
40%	2264 cd
50%	2830 cd
60%	3396 cd
70%	3962 cd
80%	4529 cd

Conditions:

Number of c-planes: 2

Candela at center: 5661 cd

ISO LUX DIAGRAM



3%	1,70 lx
5%	2,83 lx
10%	5,66 lx
30%	17,0 lx
50%	28,3 lx

Conditions:

Number of c-planes: 2

Lux at center: 56,6 lx

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



Total lumen output:

6673 lm

Peak candela output:

14279 cd

Light quality:

CRI: 97,3

Color temperature:

2577 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

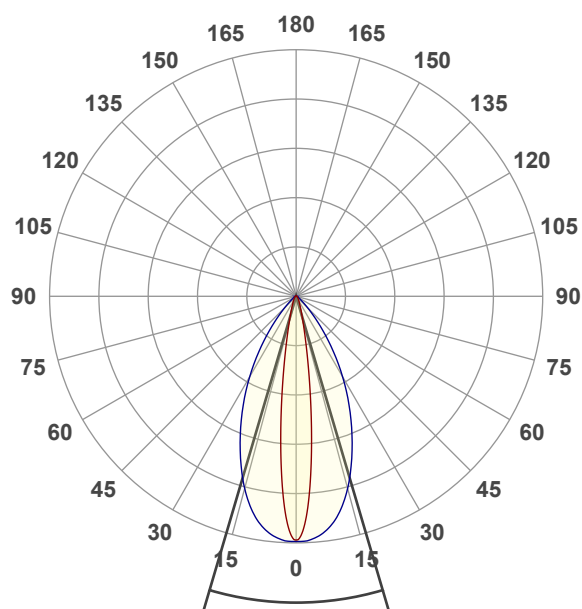
Warm White

Operator:

Salvatore Giglio

Date and time:

08/04/2024 18:09:55

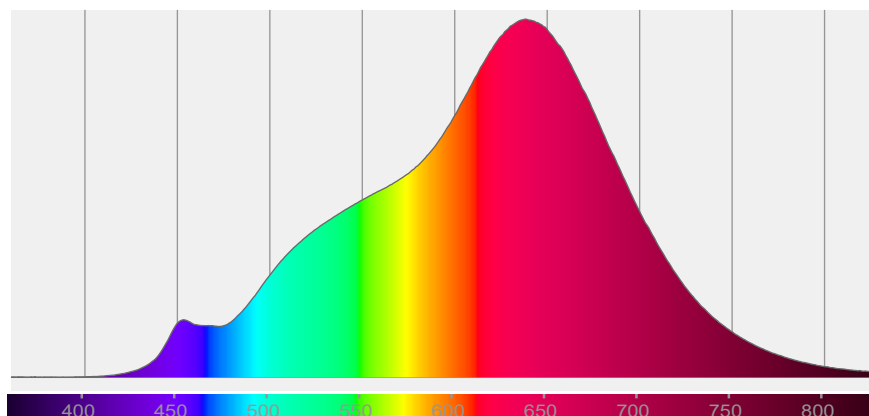


Beam angle 50%: 32,8°

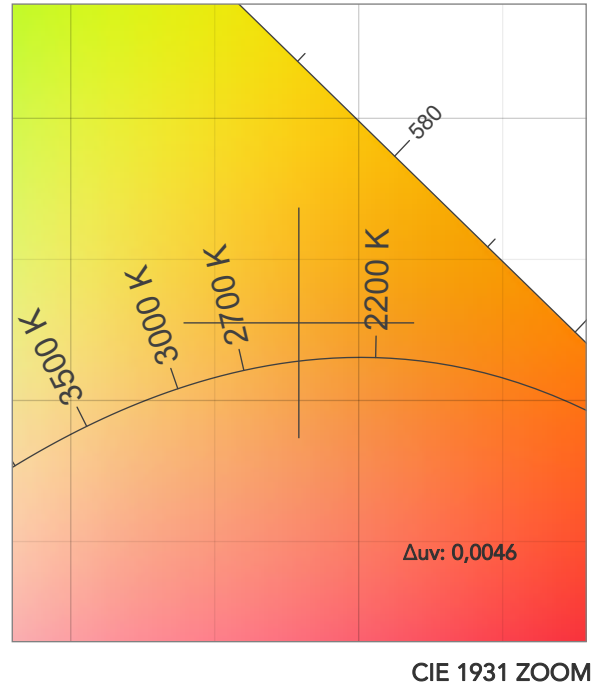
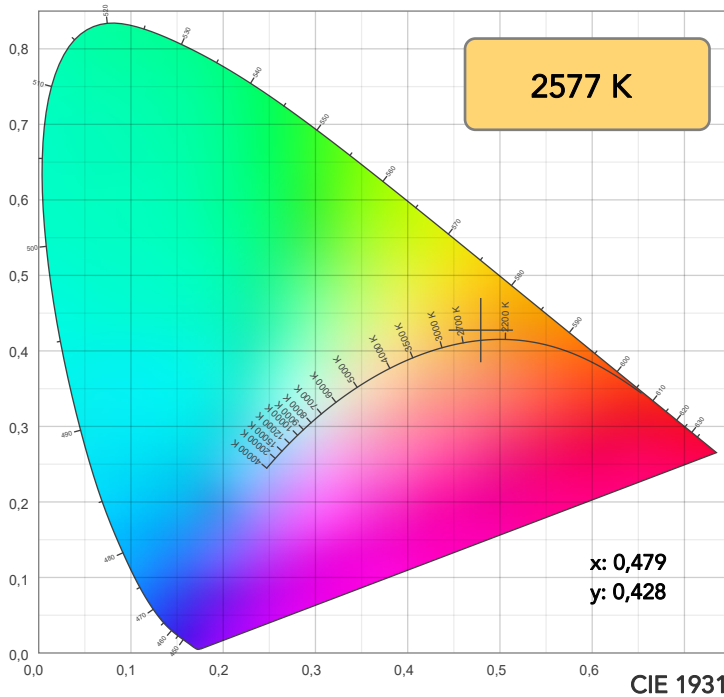
Field angle 10%: 57,8°

Cut off angle 2.5%: 81,1°

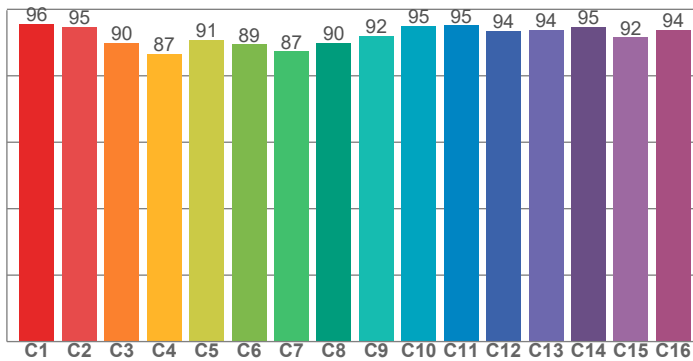
Spectra



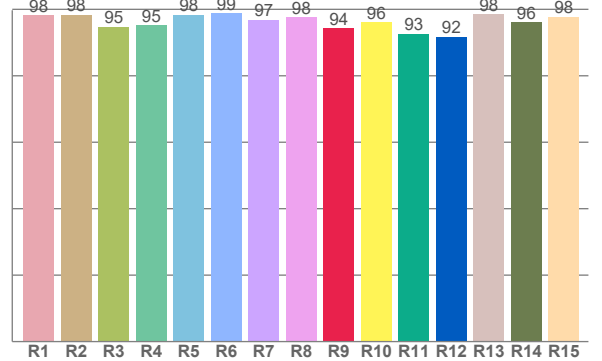
COLOR DETAILS



TM30: 92,3



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	98,4	94,7	95,2	98,4	98,8	96,9	97,6	94,3	96,1	92,7	91,8	98,4	96,0	97,7

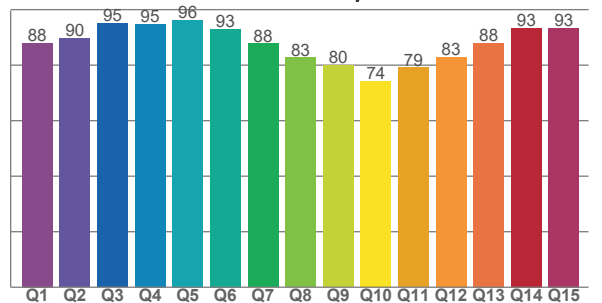
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	94,7	90,0	86,5	90,9	89,5	87,4	90,0	92,1	95,1	95,2	93,6	93,7	94,6	91,5	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,0	89,7	95,1	94,8	96,3	93,0	87,7	82,8	79,9	74,4	79,1	82,9	87,9	93,4	93,4

CQS: 85,8

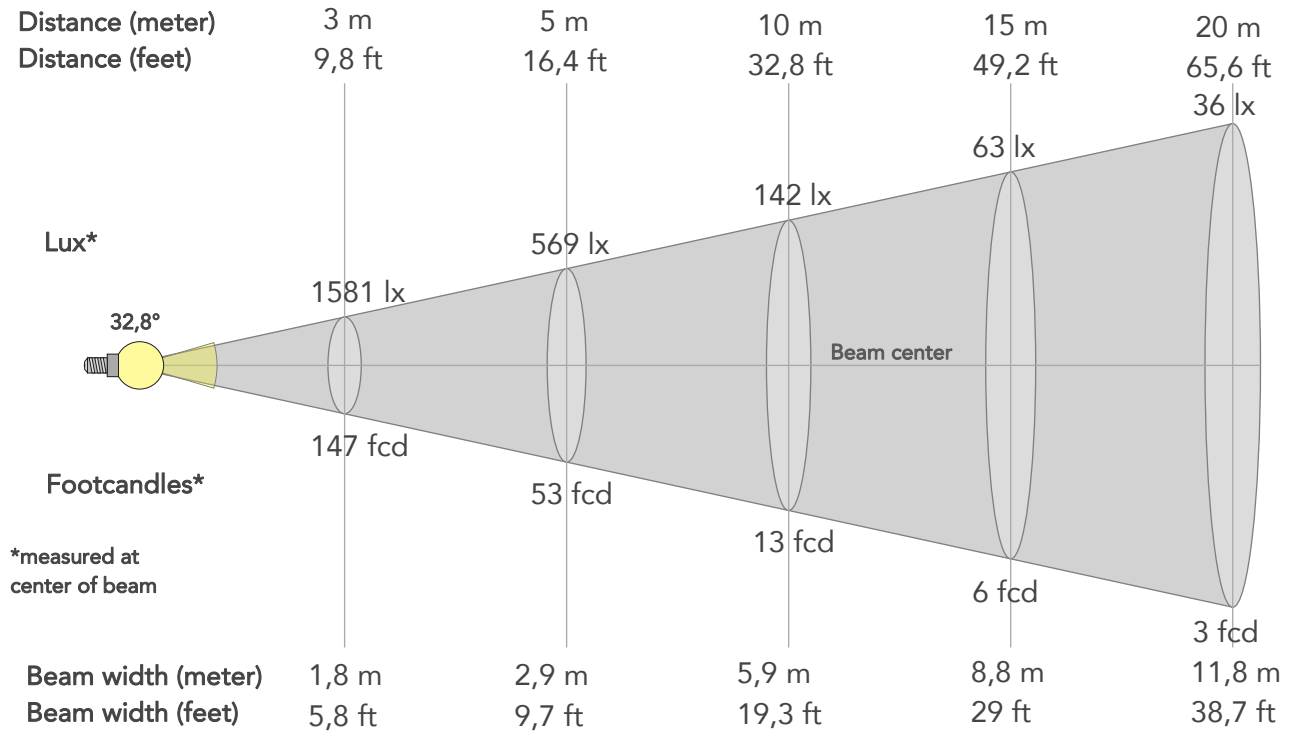


COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2577 K	97,3	94,3	92,3	95,8	85,8	96	0,479	0,428	0,0046

BEAM DETAILS

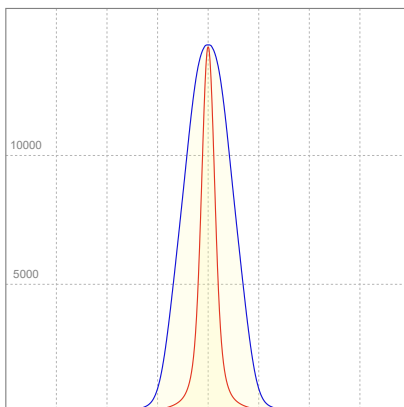
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,8°	57,8°	81,1°	96,9%	92,0%



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	14232lx	3558lx	1581lx	889lx	569lx	253lx	142lx	63lx	36lx	23lx	16lx	9lx	6lx
Footcand.	1322fcd	331fcd	147fcd	83fcd	53fcd	24fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	2,9m	4,4m	5,9m	8,8m	11,8m	14,7m	17,7m	23,6m	29,5m
Beam wid.	1,9ft	3,9ft	5,8ft	7,7ft	9,7ft	14,5ft	19,3ft	29ft	38,7ft	48,3ft	58ft	77,3ft	96,6ft

LINEAR DISTRIBUTION DIAGRAM

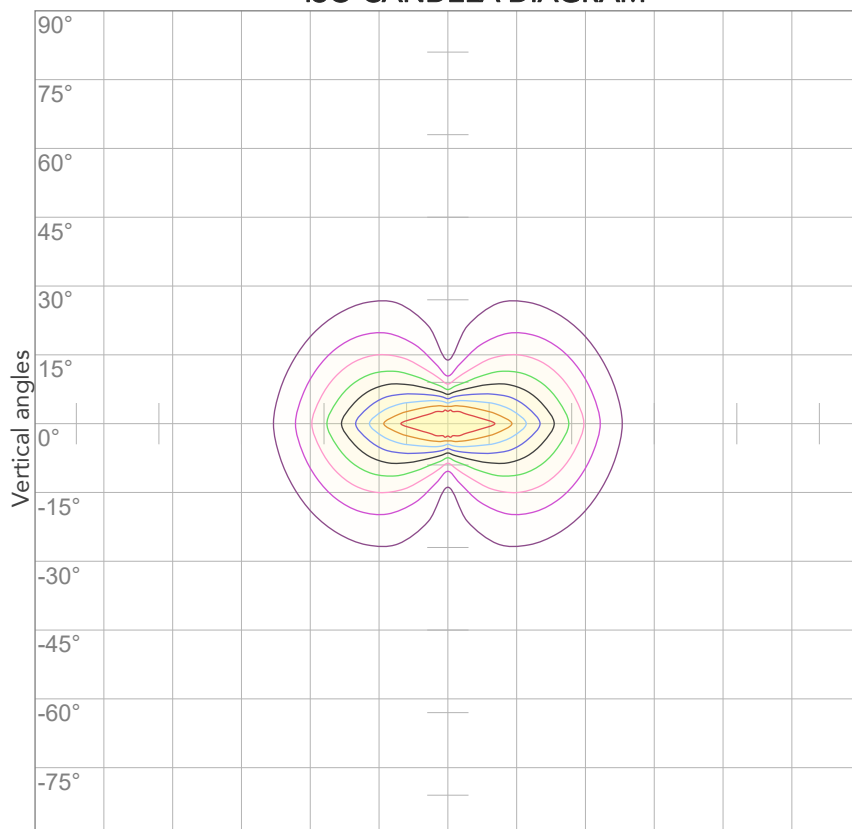


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,525A	114,2W	0,97	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



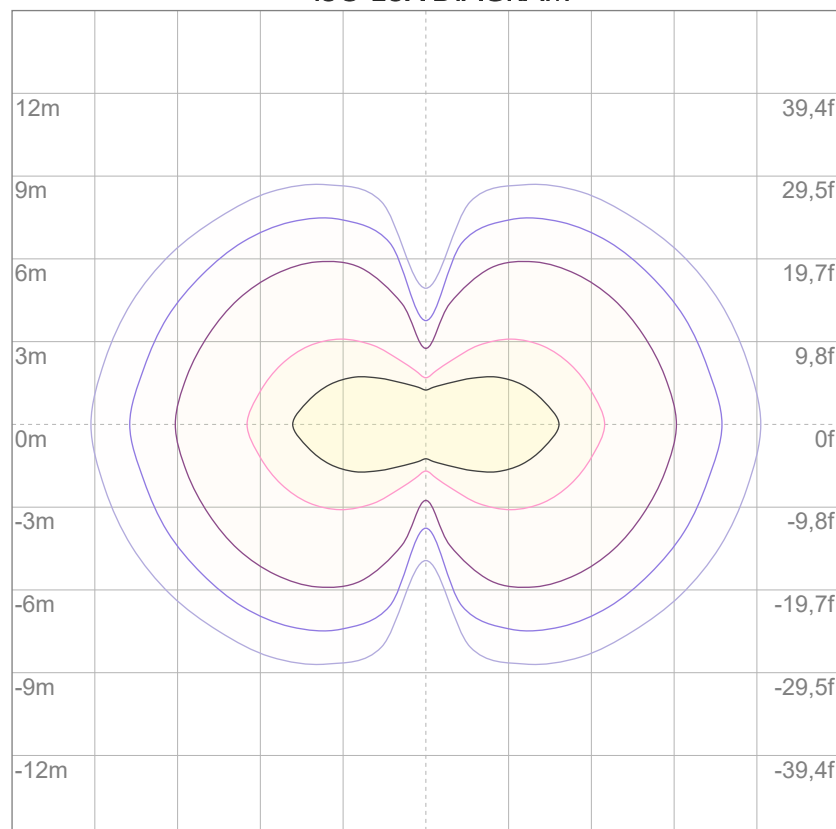
10%	1423 cd
20%	2846 cd
30%	4270 cd
40%	5693 cd
50%	7116 cd
60%	8539 cd
70%	9962 cd
80%	11386 cd

Conditions:

Number of c-planes: 4

Candela at center: 14232 cd

ISO LUX DIAGRAM



3%	4,27 lx
5%	7,12 lx
10%	14,2 lx
30%	42,7 lx
50%	71,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 142 lx

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



Total lumen output:

5876 lm

Peak candela output:

8657 cd

Light quality:

CRI: 96,8

Color temperature:

2628 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

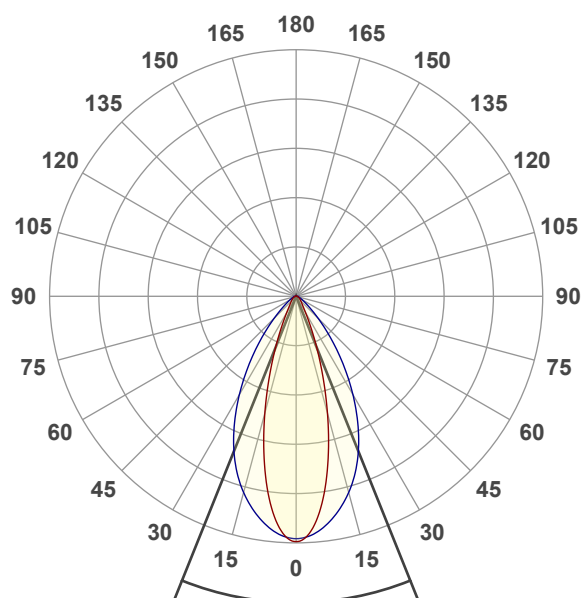
Warm White

Operator:

Salvatore Giglio

Date and time:

16/04/2024 16:42:05

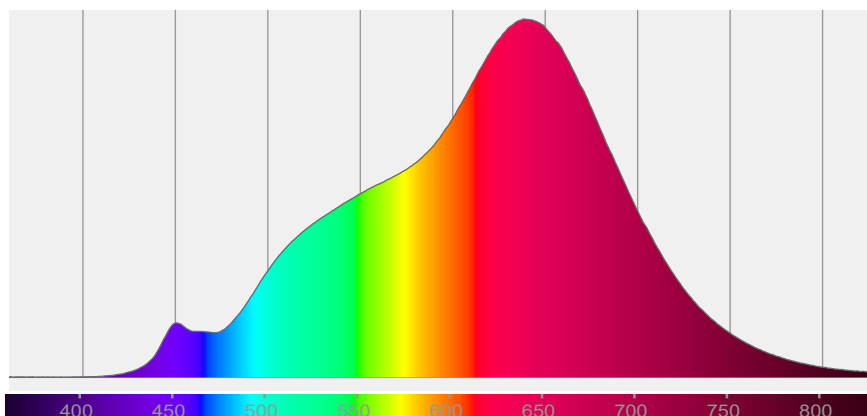


Beam angle 50%: 43,8°

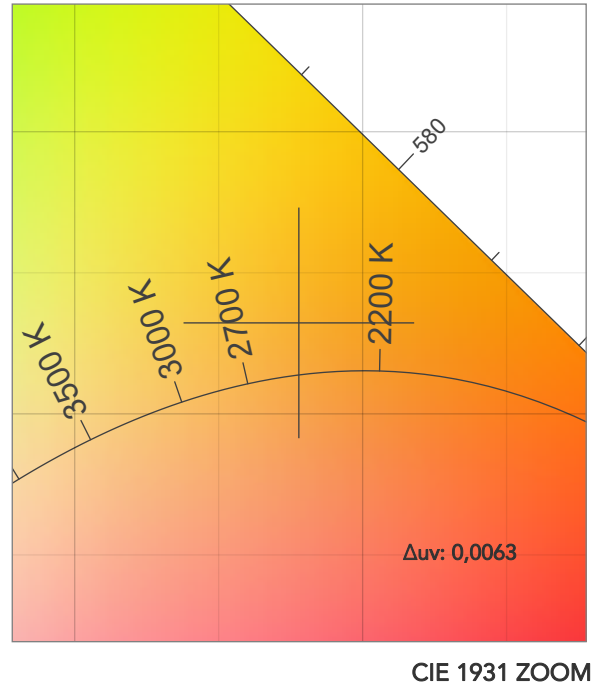
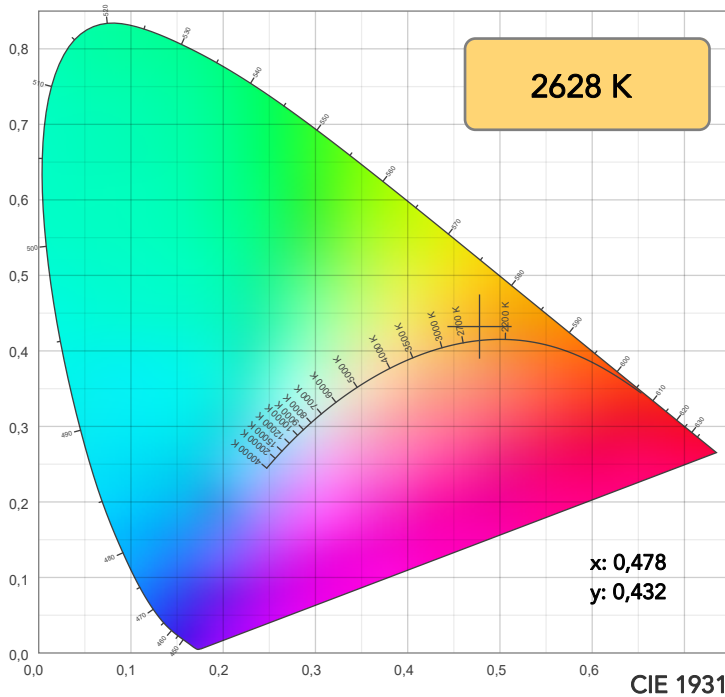
Field angle 10%: 75,2°

Cut off angle 2.5%: 109,2°

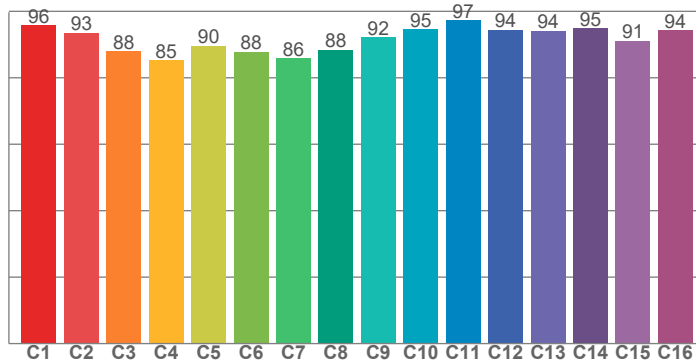
Spectra



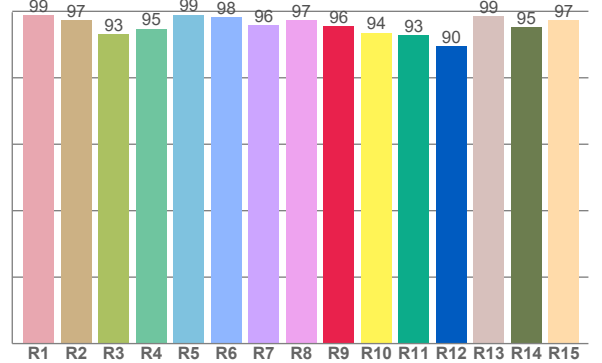
COLOR DETAILS



TM30: 91,8



CRI: 96,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,9	97,2	93,0	94,8	99,0	98,1	95,9	97,3	95,5	93,5	92,7	89,5	98,5	95,2	97,3

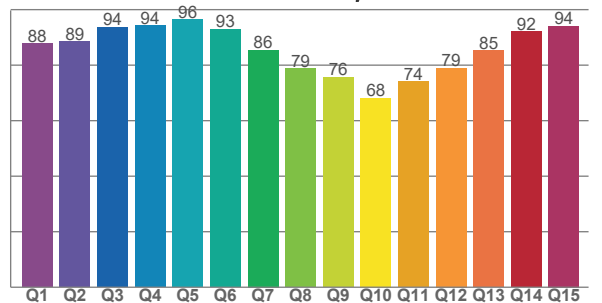
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	93,4	88,0	85,3	89,6	87,7	85,9	88,5	92,2	94,5	97,3	94,4	94,1	94,9	91,2	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,7	88,5	93,6	94,3	96,4	92,9	85,5	78,8	75,6	68,2	74,1	79,0	85,3	92,1	94,1

CQS: 83,0



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
2628 K	96,8	95,5	91,8	94,7	83,0	95	0,478	0,432	0,0063

TM30 DETAILS

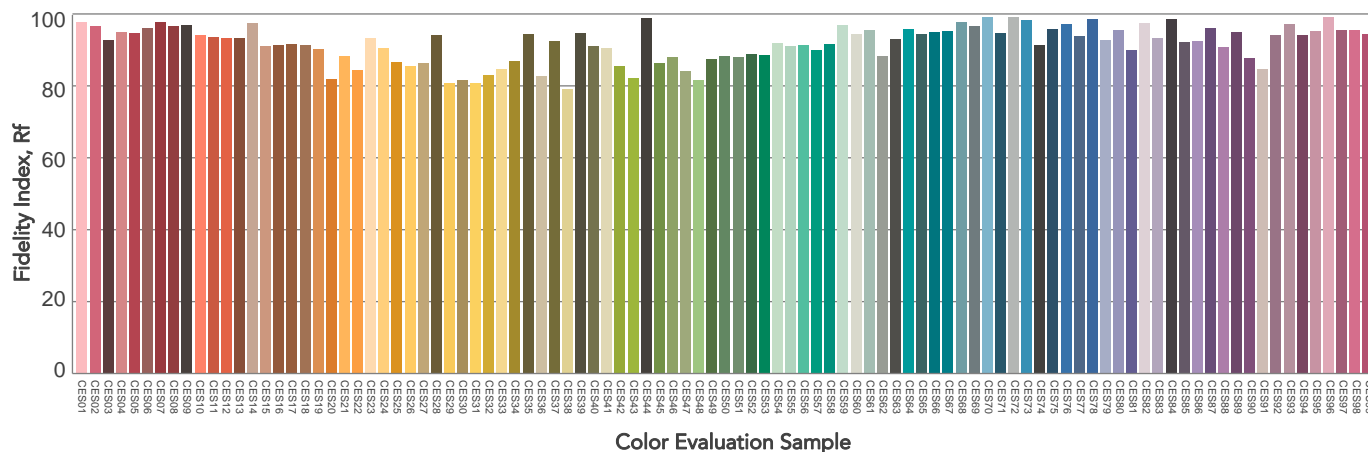
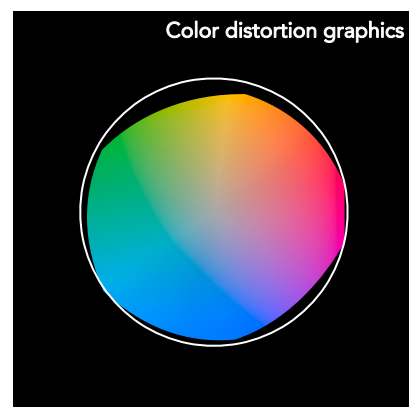
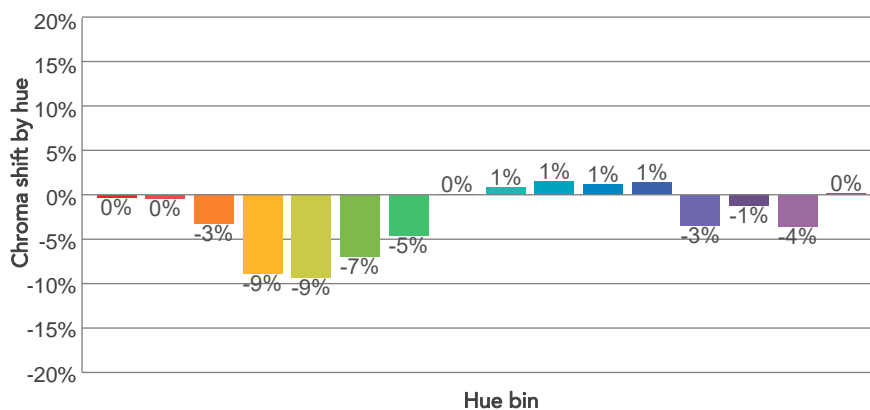
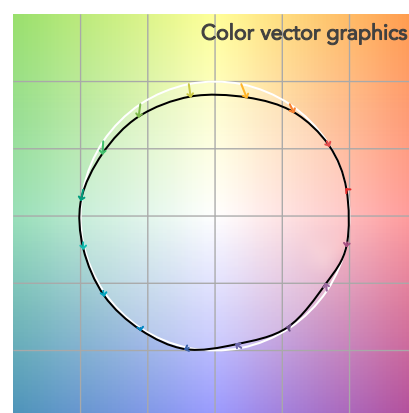
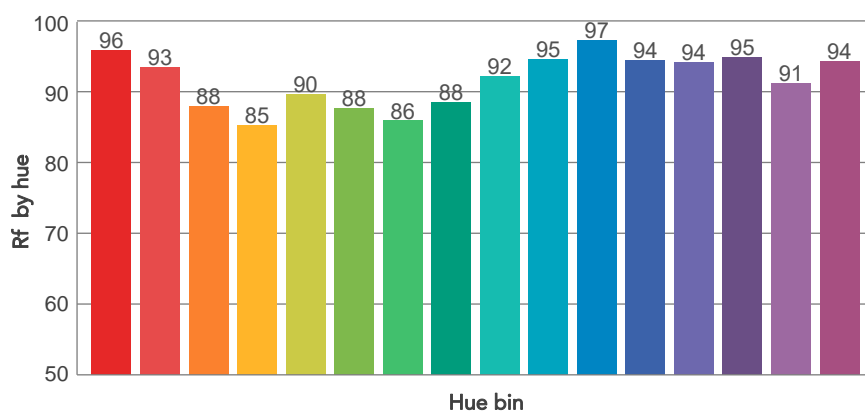
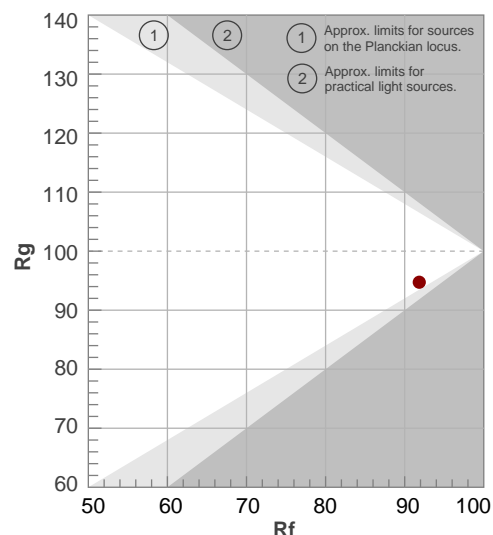
Rf 91,8

Fidelity index Rf

Rg 94,7

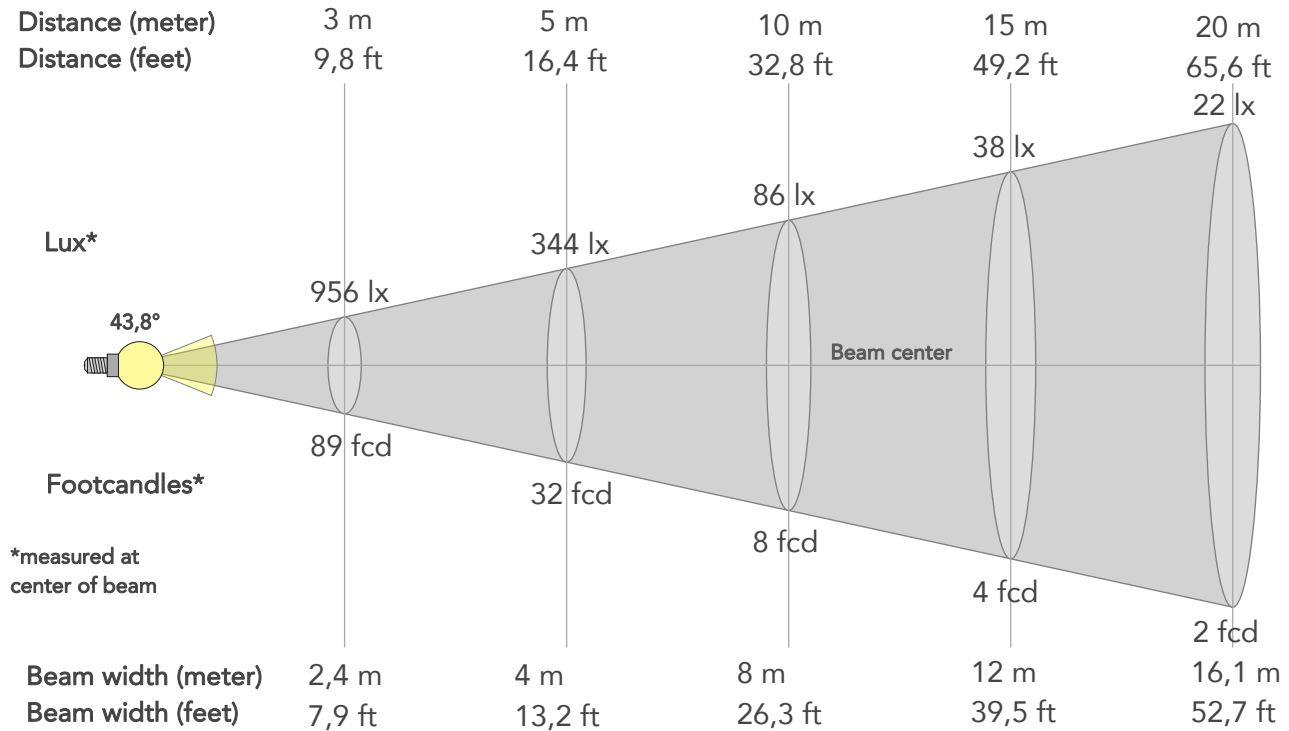
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	0%
2	93	0%	-4%
3	88	-3%	-6%
4	85	-9%	-6%
5	90	-9%	1%
6	88	-7%	6%
7	86	-5%	8%
8	88	0%	8%
9	92	1%	5%
10	95	1%	3%
11	97	1%	1%
12	94	1%	-2%
13	94	-3%	-3%
14	95	-1%	-1%
15	91	-4%	4%
16	94	0%	-3%



BEAM DETAILS

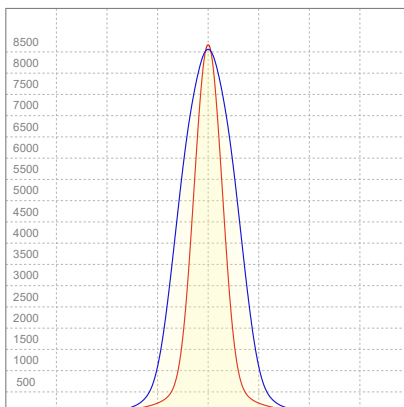
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,2°	109,2°	95,6%	87,8%



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	8604lx	2151lx	956lx	538lx	344lx	153lx	86lx	38lx	22lx	14lx	10lx	5lx	3lx
Footcand.	799fcd	200fcd	89fcd	50fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12m	16,1m	20,1m	24,1m	32,1m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,3ft	39,5ft	52,7ft	65,9ft	79ft	105,4ft	131,7ft

LINEAR DISTRIBUTION DIAGRAM

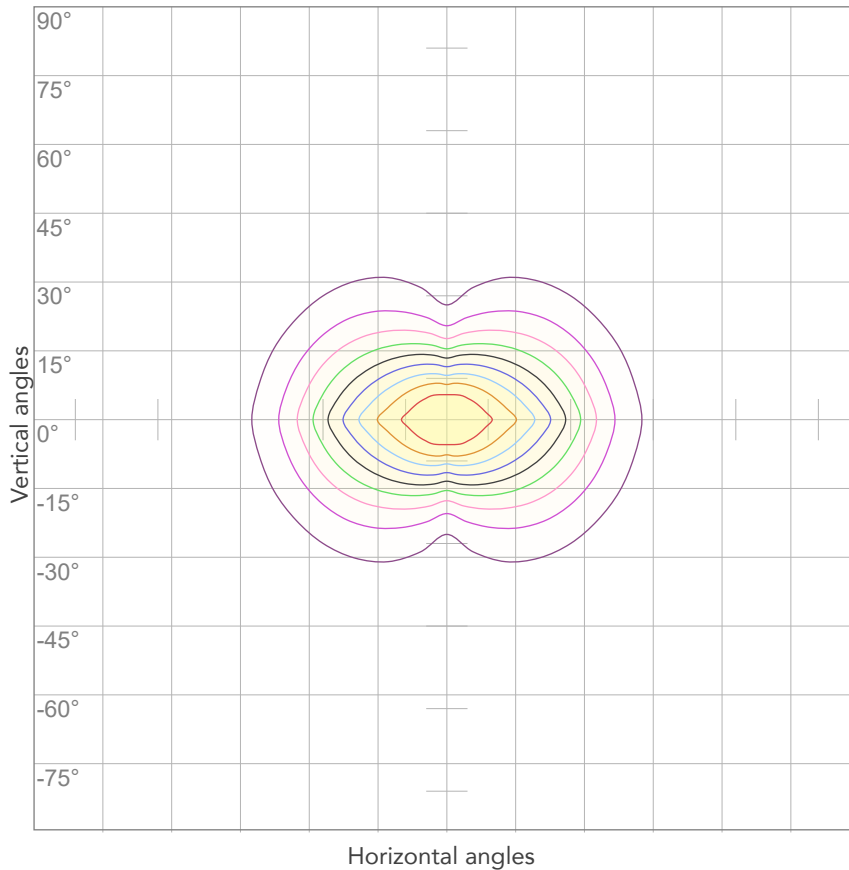


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,569A	125W	0,97	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



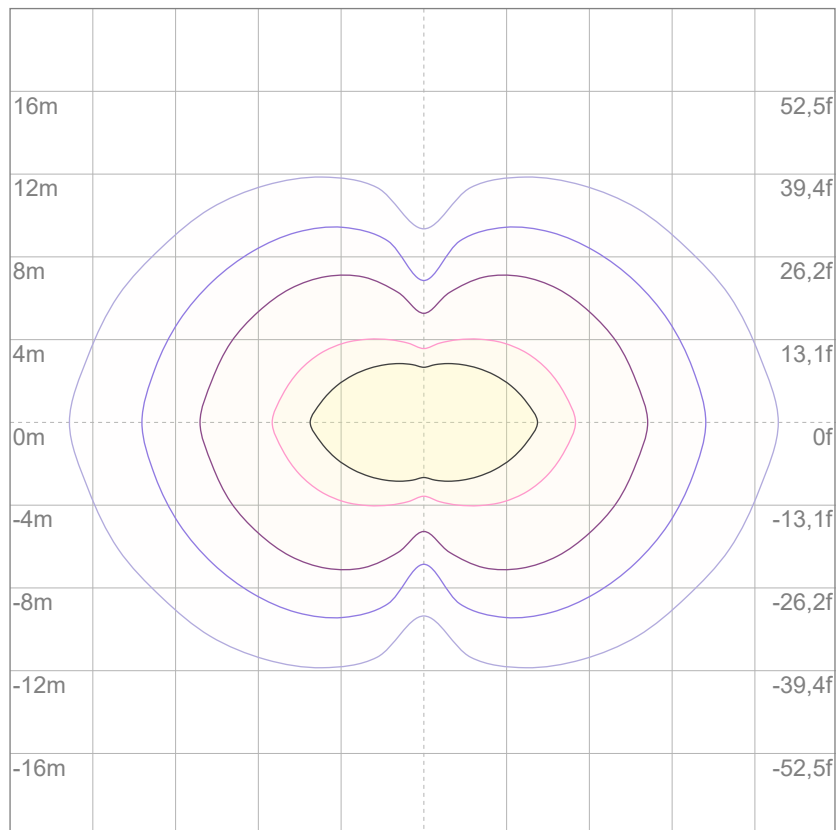
10%	860 cd
20%	1721 cd
30%	2581 cd
40%	3442 cd
50%	4302 cd
60%	5163 cd
70%	6023 cd
80%	6883 cd

Conditions:

Number of c-planes: 4

Candela at center: 8604 cd

ISO LUX DIAGRAM



3%	2,58 lx
5%	4,30 lx
10%	8,60 lx
30%	25,8 lx
50%	43,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 86,0 lx

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



Total lumen output:

8609 lm

Peak candela output:

180447 cd

Light quality:

CRI: 94,8

Color temperature:

6893 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

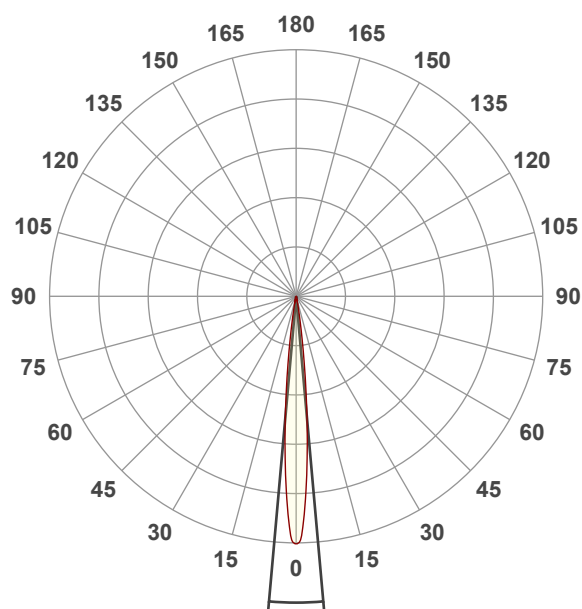
Cold White

Operator:

Salvatore Giglio

Date and time:

10/05/2024 16:30:30

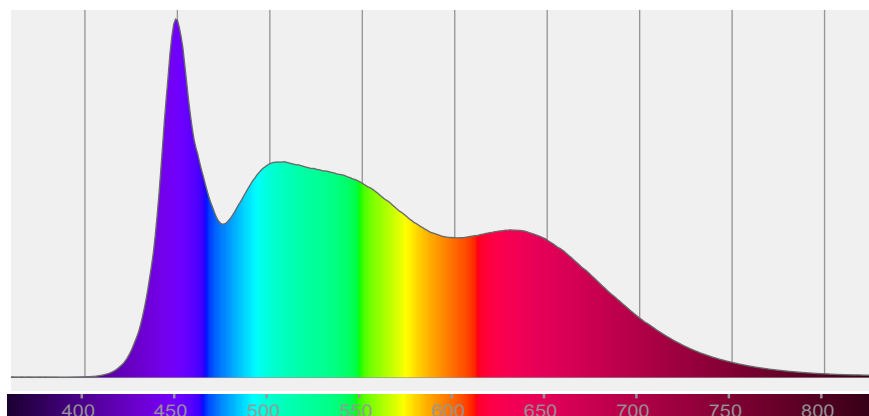


Beam angle 50%: 10,2°

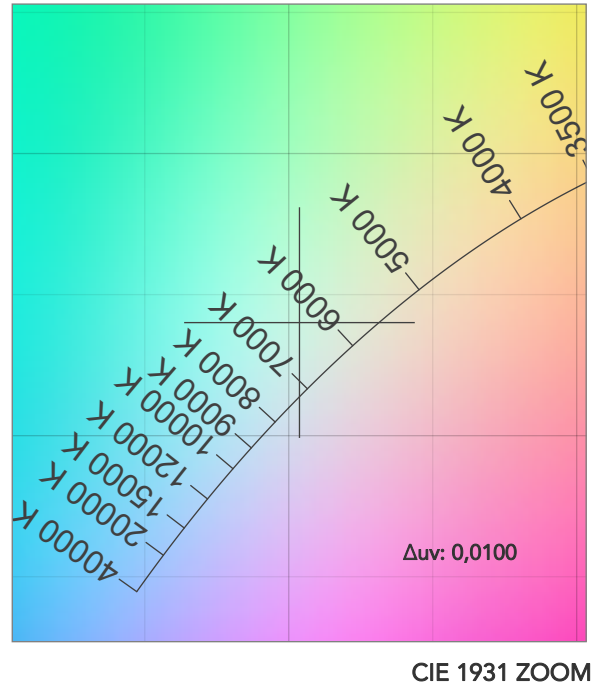
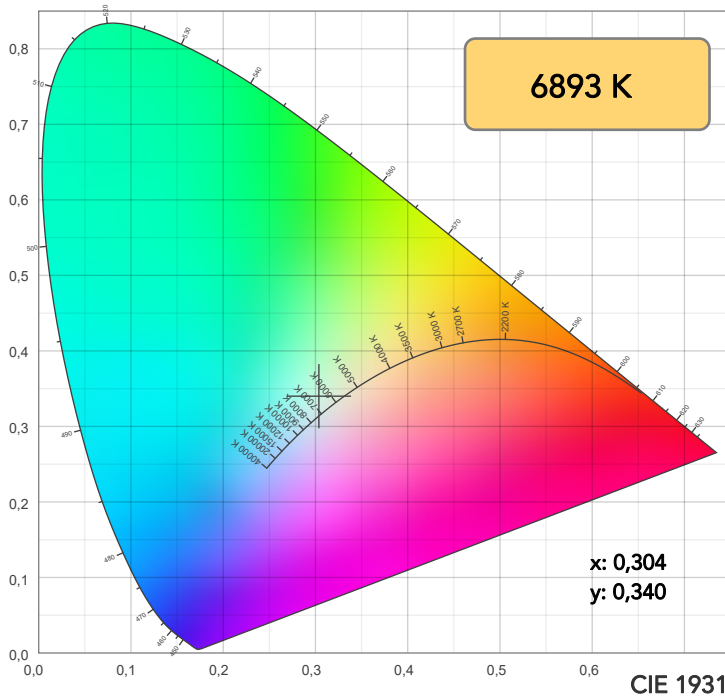
Field angle 10%: 18,3°

Cut off angle 2.5%: 24,7°

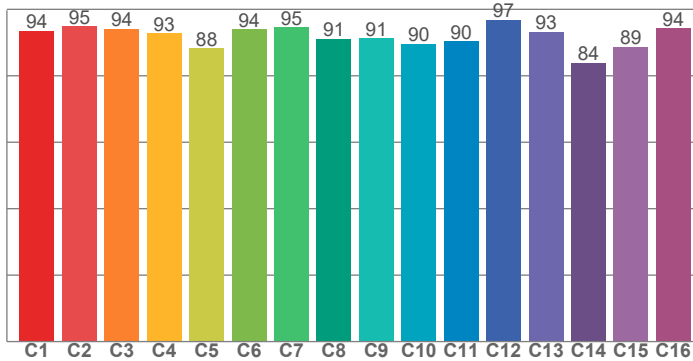
Spectra



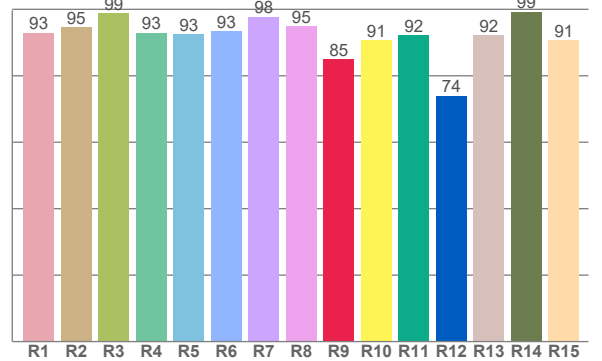
COLOR DETAILS



TM30: 92,0



CRI: 94,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,0	94,7	98,8	92,9	92,6	93,5	97,8	94,9	85,1	90,7	92,3	74,0	92,2	99,3	90,7

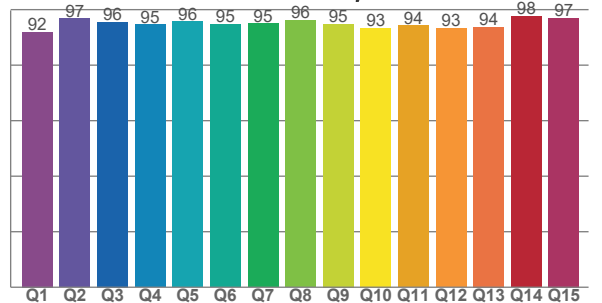
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,5	94,8	94,0	92,7	88,3	93,9	94,6	91,1	91,3	89,6	90,4	96,9	93,2	83,9	88,7	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,9	96,8	95,6	94,6	95,8	94,7	95,0	96,1	94,8	93,4	94,3	93,3	93,7	97,6	97,0

CQS: 94,8



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6893 K	94,8	85,1	92,0	97,4	94,8	99	0,304	0,340	0,0100

TM30 DETAILS

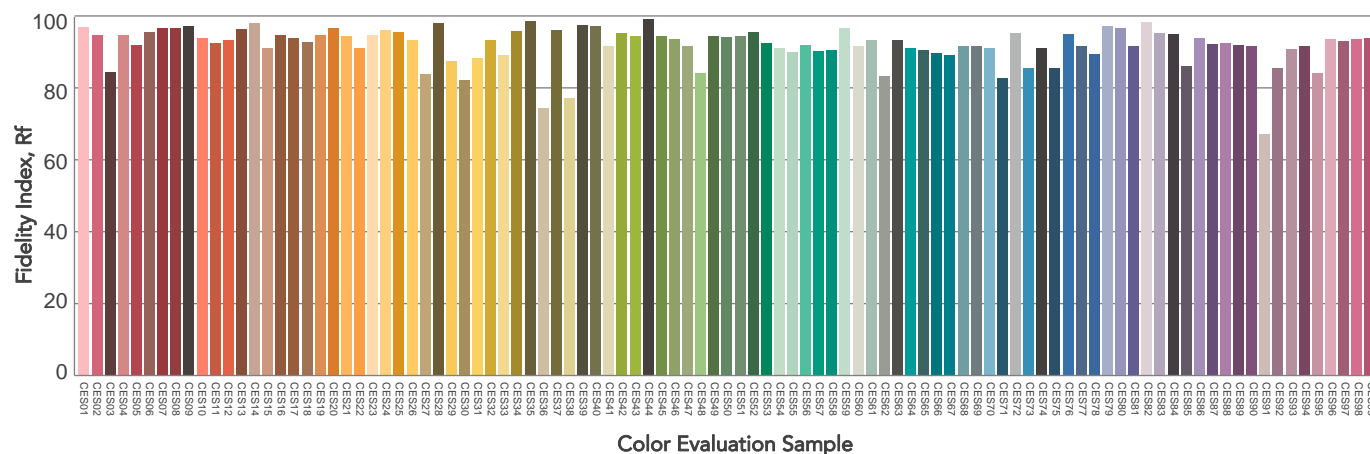
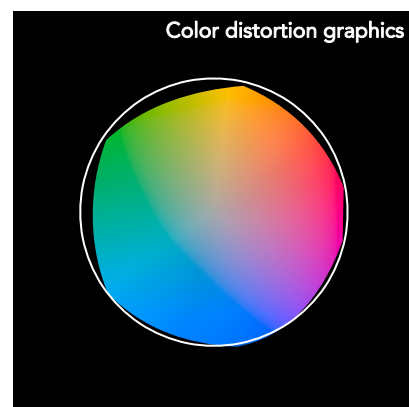
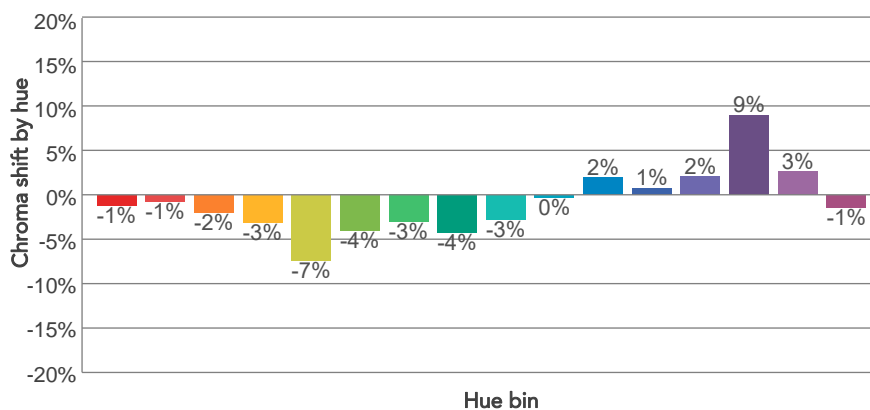
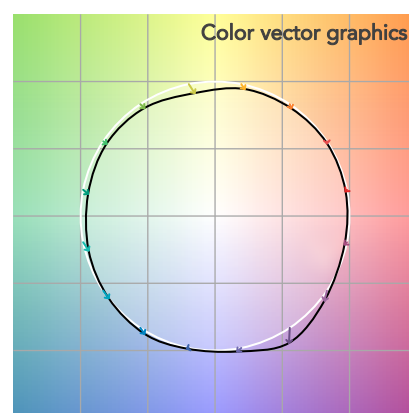
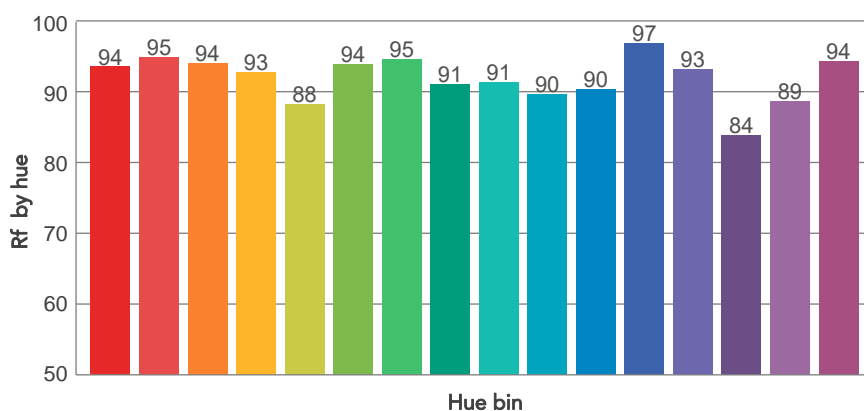
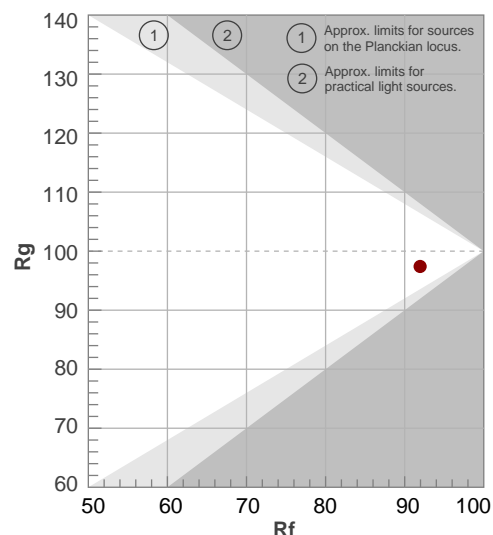
Rf 92,0

Fidelity index Rf

Rg 97,4

Gammut index

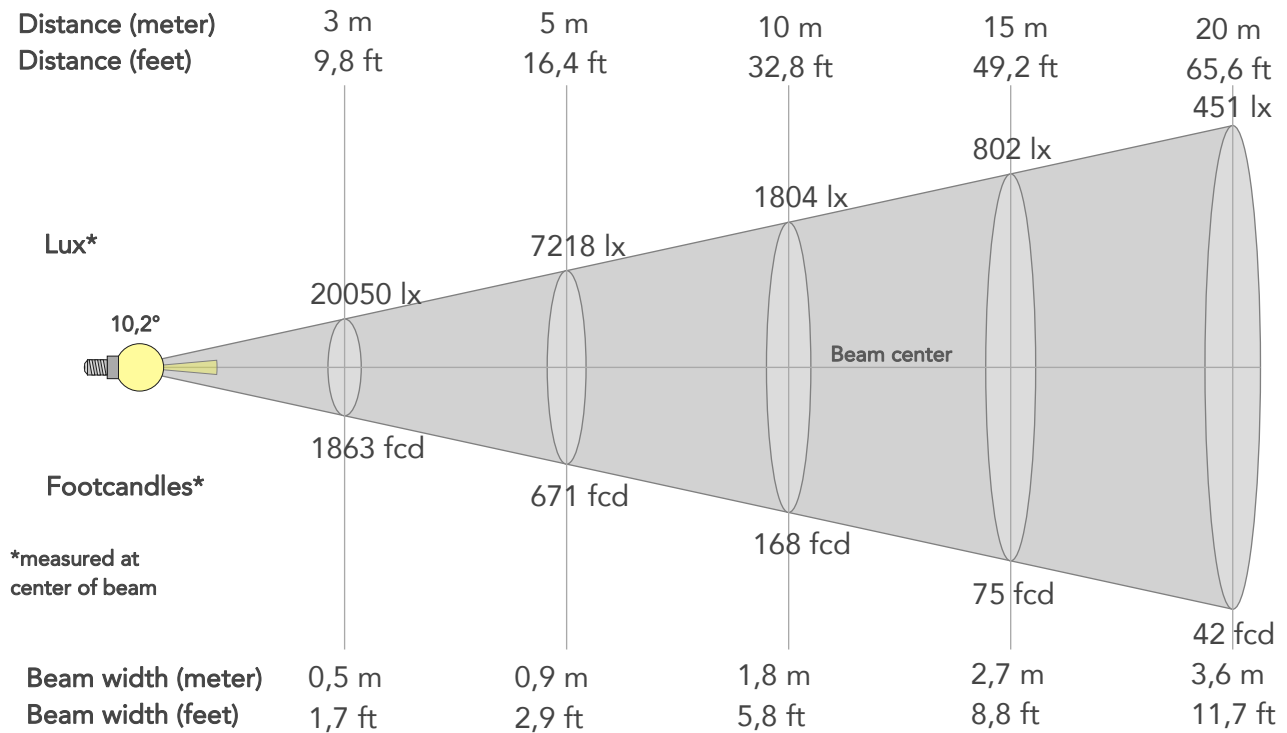
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-1%
2	95	-1%	-1%
3	94	-2%	-3%
4	93	-3%	-3%
5	88	-7%	-3%
6	94	-4%	-1%
7	95	-3%	0%
8	91	-4%	2%
9	91	-3%	7%
10	90	0%	7%
11	90	2%	5%
12	97	1%	-1%
13	93	2%	-3%
14	84	9%	-7%
15	89	3%	-7%
16	94	-1%	-2%



BEAM DETAILS



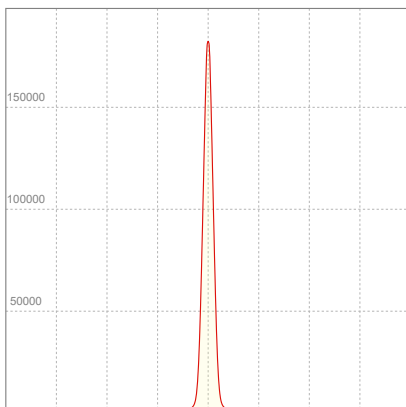
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,3°	24,7°	95,0%	91,5%



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	180447lx	45112lx	20050lx	11278lx	7218lx	3208lx	1804lx	802lx	451lx	289lx	200lx	113lx	72lx
Footcand.	16764fcd	4191fcd	1863fcd	1048fcd	671fcd	298fcd	168fcd	75fcd	42fcd	27fcd	19fcd	10fcd	7fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,4m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,8ft	11,7ft	14,6ft	17,5ft	23,3ft	29,2ft

LINEAR DISTRIBUTION DIAGRAM

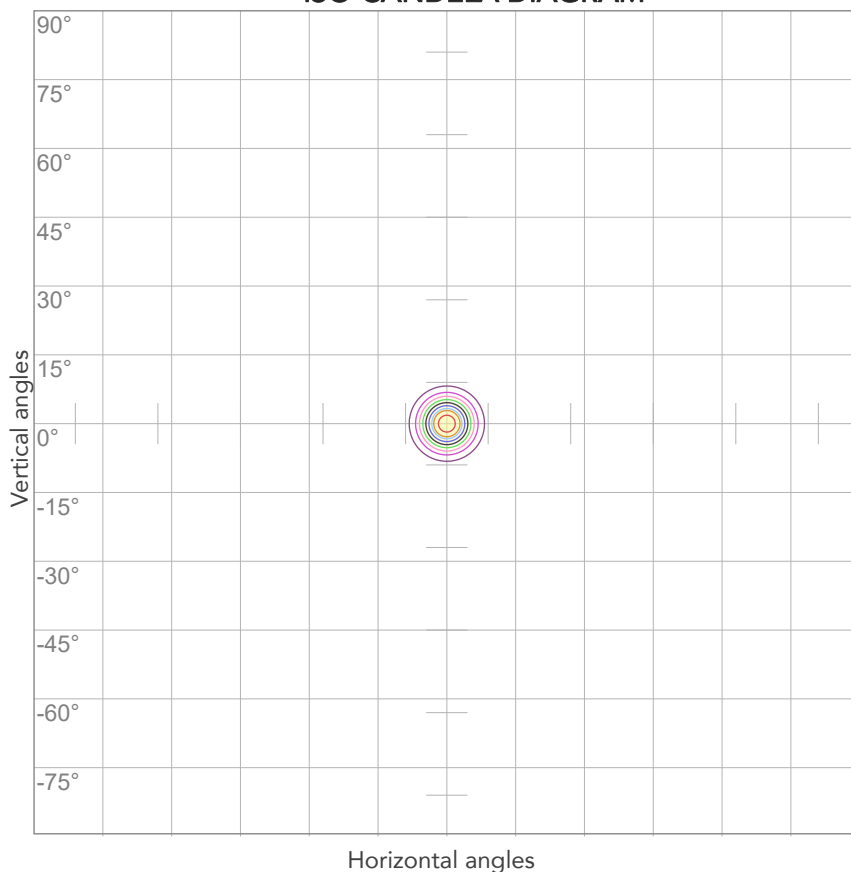


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,553A	122,2W	0,97	70lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



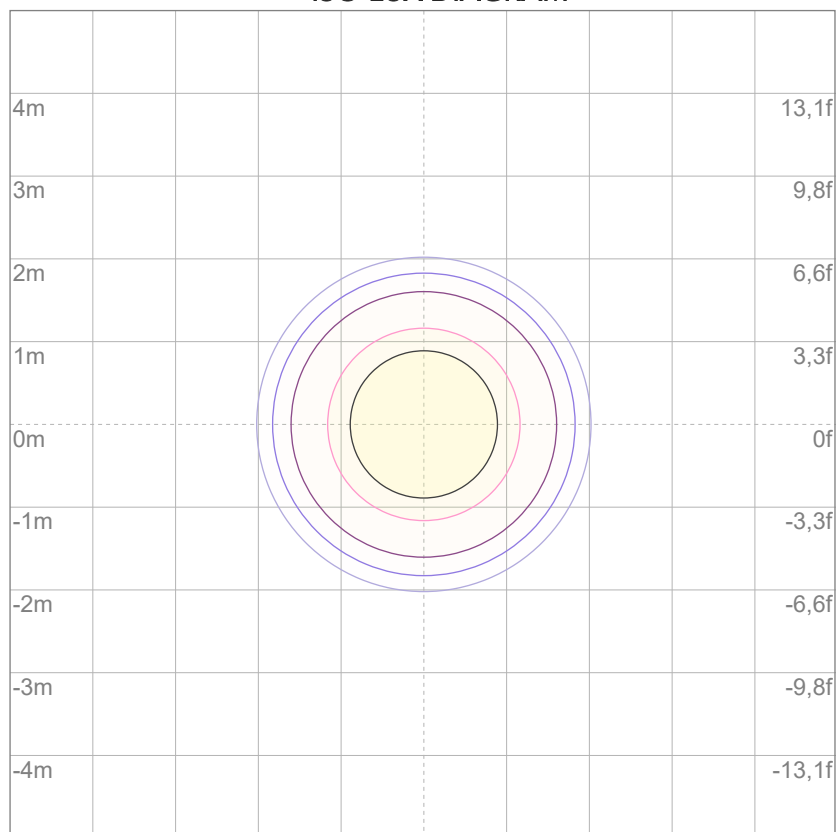
10%	18045 cd
20%	36089 cd
30%	54134 cd
40%	72179 cd
50%	90223 cd
60%	108268 cd
70%	126313 cd
80%	144357 cd

Conditions:

Number of c-planes: 2

Candela at center: 180447 cd

ISO LUX DIAGRAM



3%	54,1 lx
5%	90,2 lx
10%	180 lx
30%	541 lx
50%	902 lx

Conditions:

Number of c-planes: 2

Lux at center: 1804 lx

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



Total lumen output:

7898 lm

Peak candela output:

33028 cd

Light quality:

CRI: 94,4

Color temperature:

6746 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

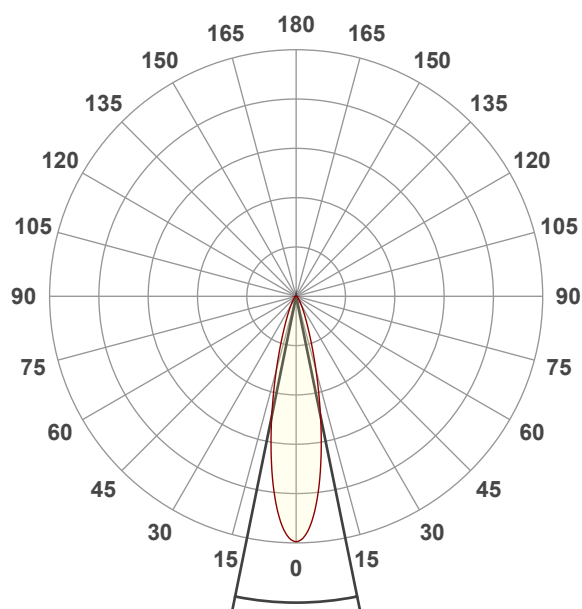
Cold White

Operator:

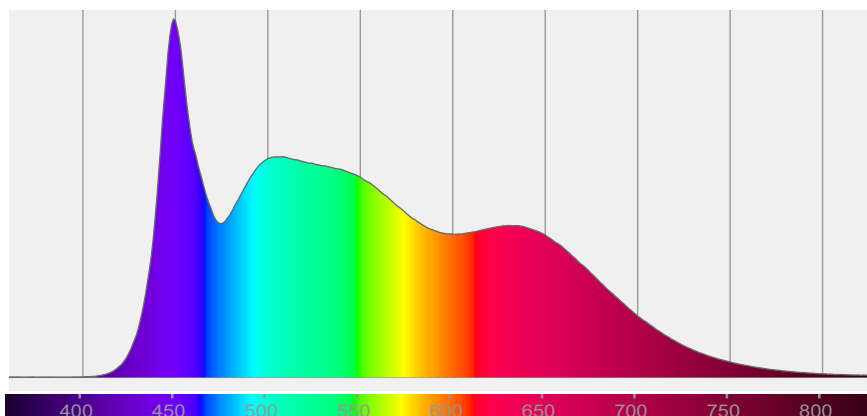
Salvatore Giglio

Date and time:

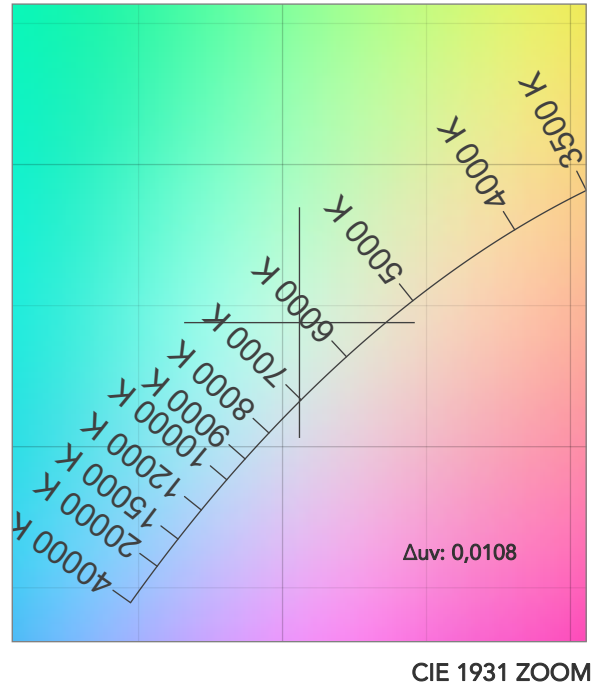
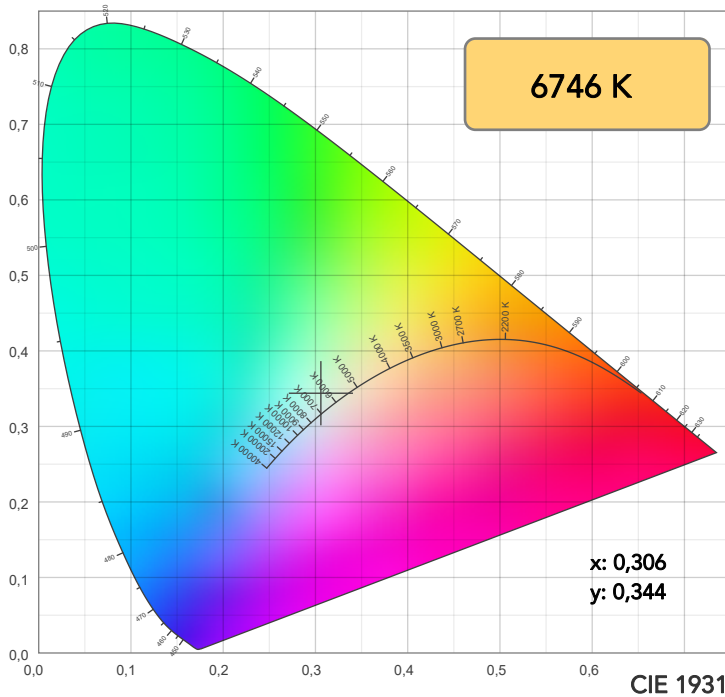
08/04/2024 15:50:42



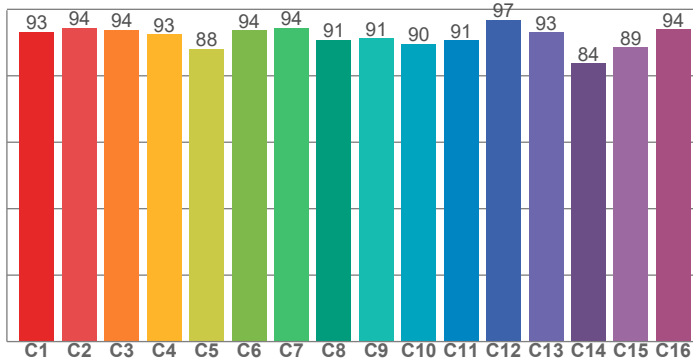
Spectra



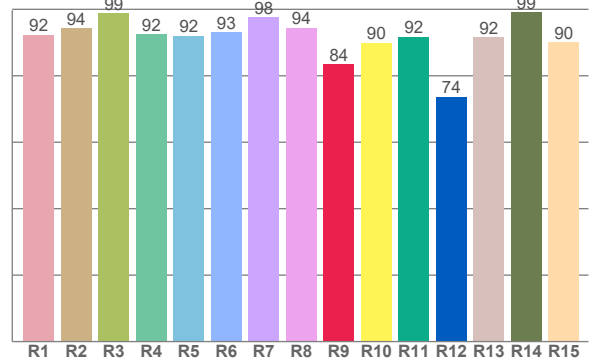
COLOR DETAILS



TM30: 91,8



CRI: 94,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,4	94,3	98,8	92,4	92,0	93,1	97,7	94,4	83,5	90,0	91,7	73,7	91,7	99,2	90,1

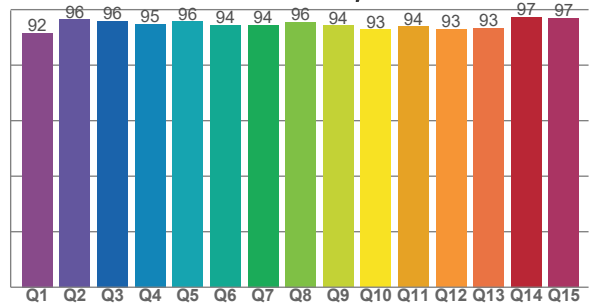
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,3	94,5	93,8	92,5	88,0	93,6	94,4	90,8	91,3	89,5	90,6	96,8	93,0	83,8	88,6	94,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,6	96,5	95,9	94,8	95,7	94,4	94,5	95,6	94,3	92,8	93,9	92,9	93,3	97,3	96,9

CQS: 94,5



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6746 K	94,4	83,5	91,8	97,1	94,5	99	0,306	0,344	0,0108

TM30 DETAILS

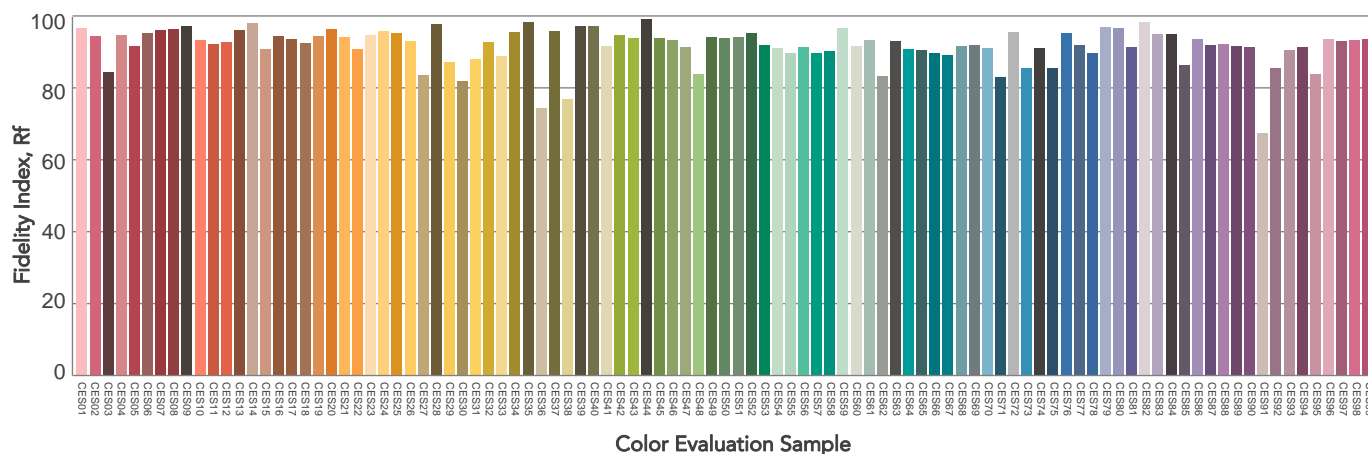
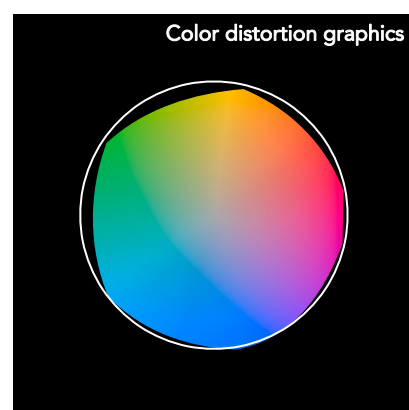
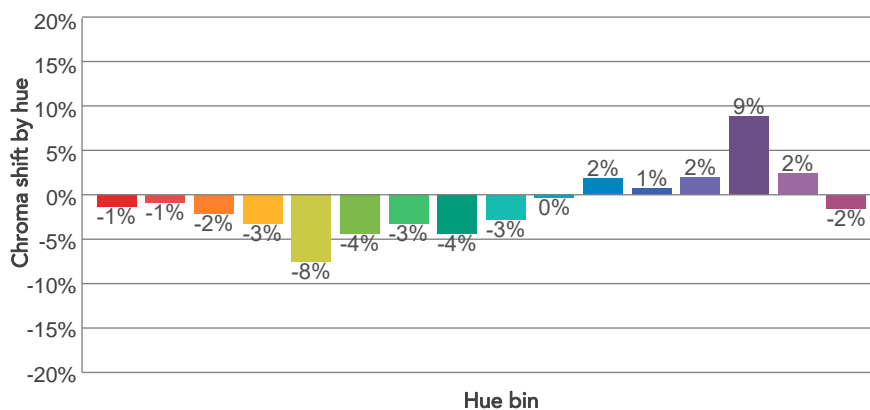
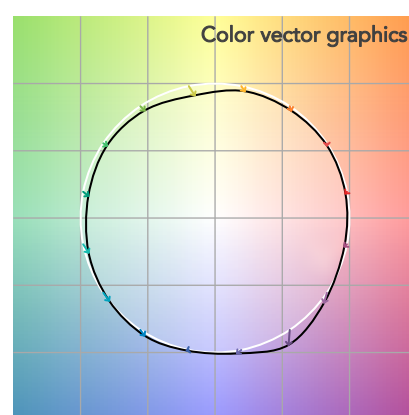
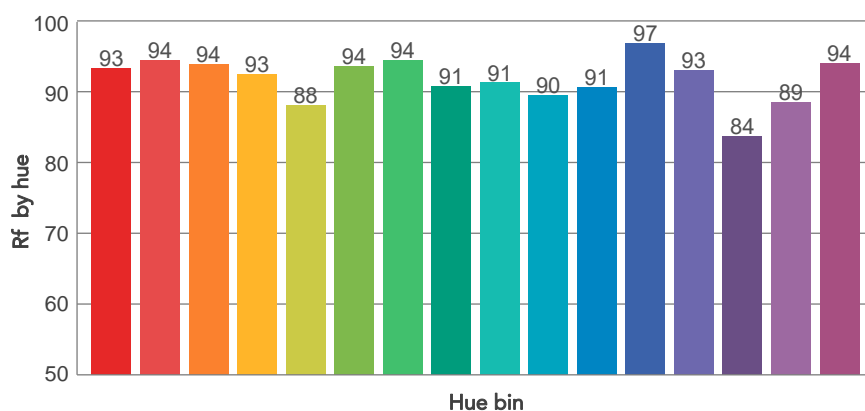
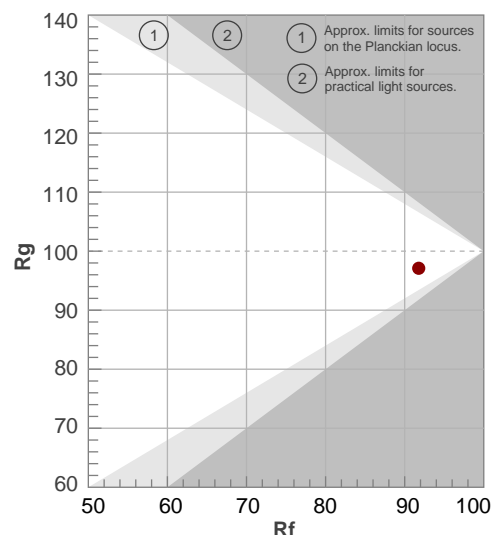
Rf 91,8

Fidelity index Rf

Rg 97,1

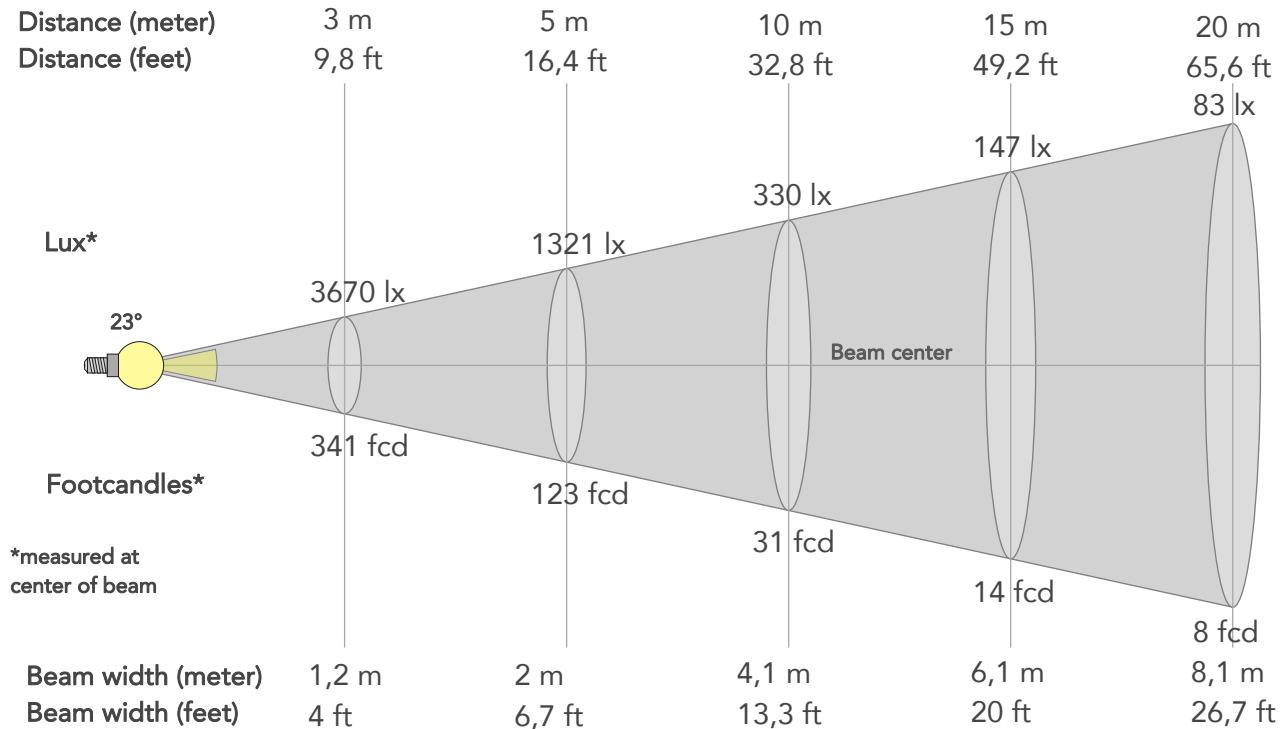
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-1%
2	94	-1%	-1%
3	94	-2%	-3%
4	93	-3%	-3%
5	88	-8%	-3%
6	94	-4%	-1%
7	94	-3%	0%
8	91	-4%	2%
9	91	-3%	7%
10	90	0%	7%
11	91	2%	5%
12	97	1%	-1%
13	93	2%	-4%
14	84	9%	-7%
15	89	2%	-7%
16	94	-2%	-2%



BEAM DETAILS

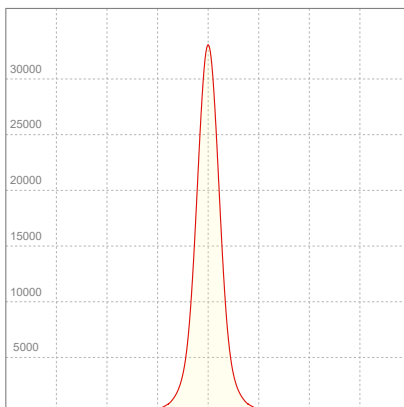
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	45,8°	70,6°	96,7%	92,5%



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	33028lx	8257lx	3670lx	2064lx	1321lx	587lx	330lx	147lx	83lx	53lx	37lx	21lx	13lx
Footcand.	3068fcd	767fcd	341fcd	192fcd	123fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,7ft	33,3ft	40ft	53,4ft	66,7ft

LINEAR DISTRIBUTION DIAGRAM

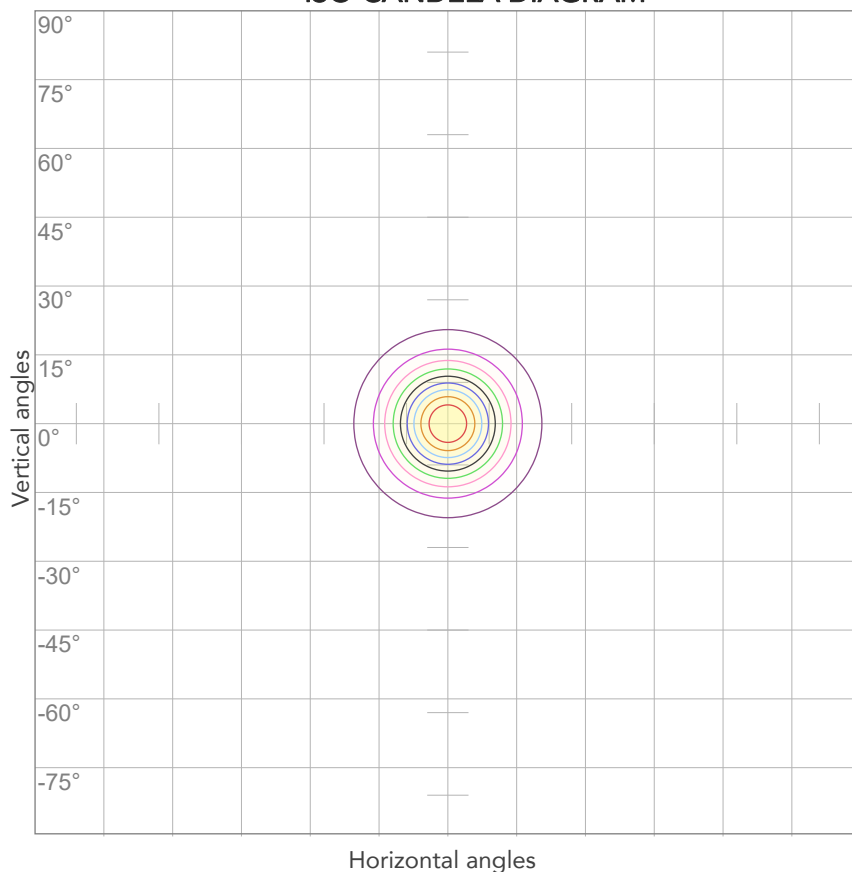


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,573A	125,4W	0,97	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



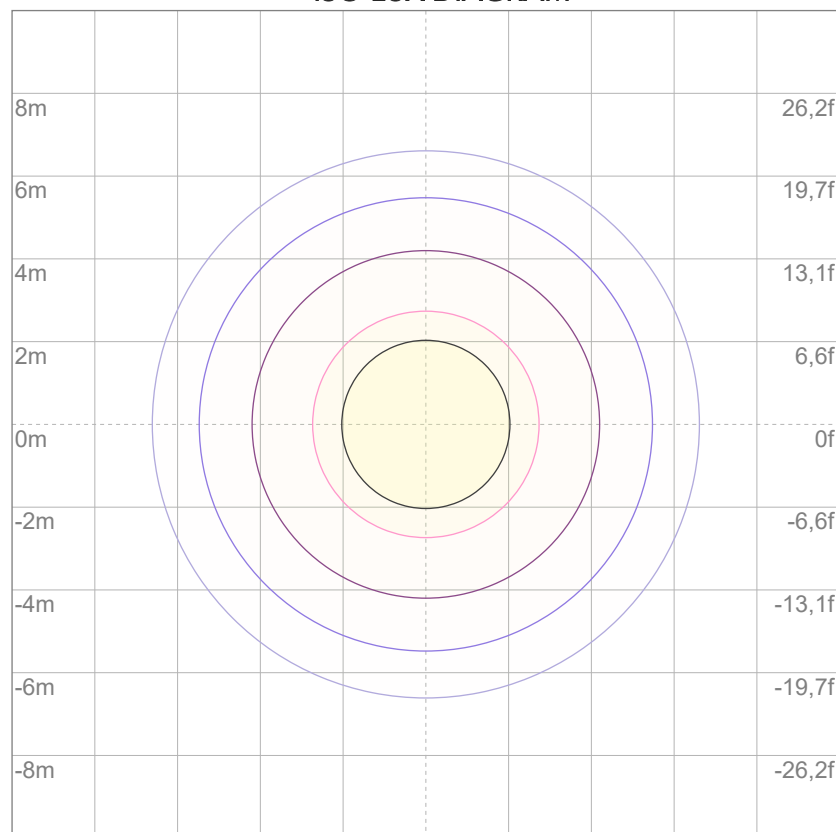
10%	3303 cd
20%	6606 cd
30%	9908 cd
40%	13211 cd
50%	16514 cd
60%	19817 cd
70%	23120 cd
80%	26422 cd

Conditions:

Number of c-planes: 2

Candela at center: 33028 cd

ISO LUX DIAGRAM



3%	9,91 lx
5%	16,5 lx
10%	33,0 lx
30%	99,1 lx
50%	165 lx

Conditions:

Number of c-planes: 2

Lux at center: 330 lx

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



Total lumen output:

7679 lm

Peak candela output:

9674 cd

Light quality:

CRI: 93,4

Color temperature:

6777 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

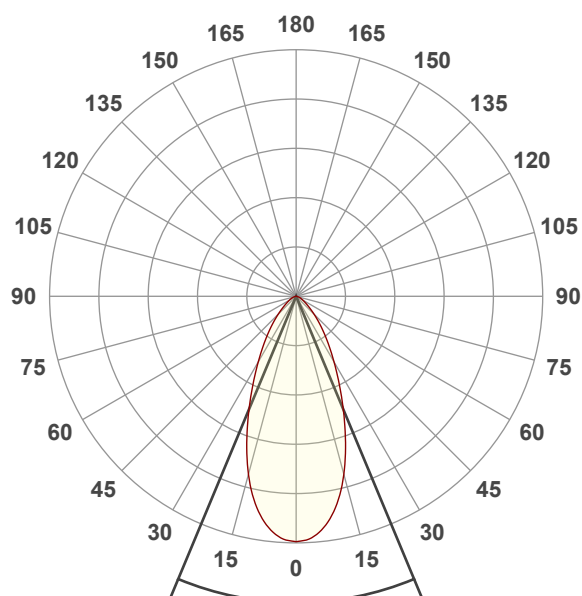
Cold White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:49:33

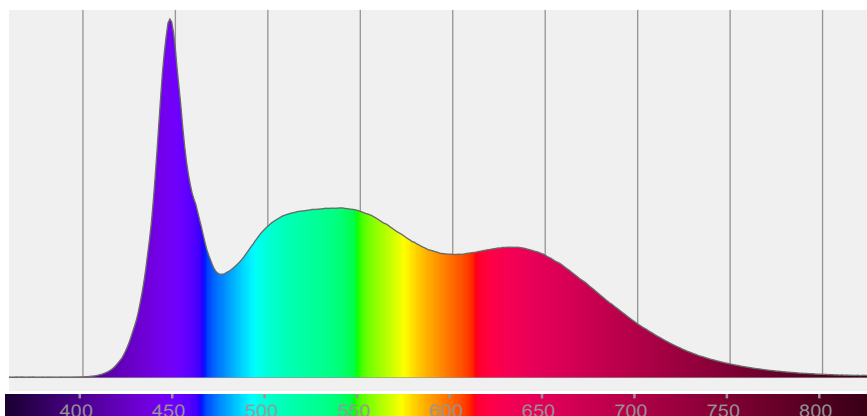


Beam angle 50%: 45,3°

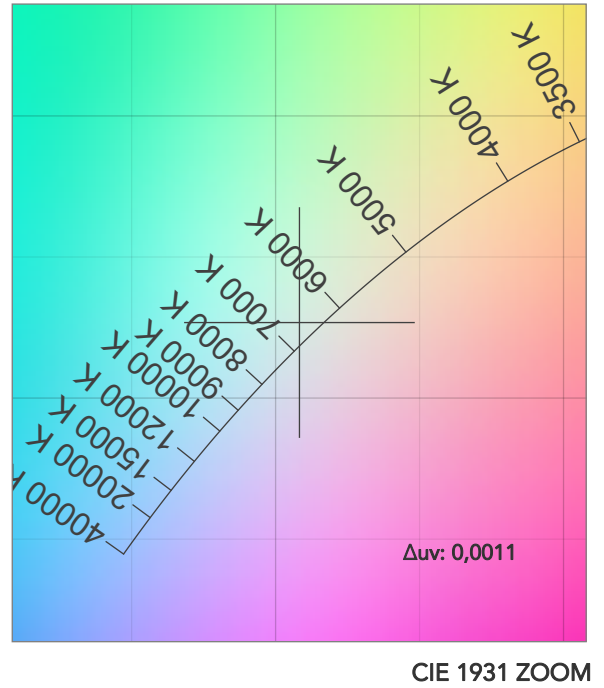
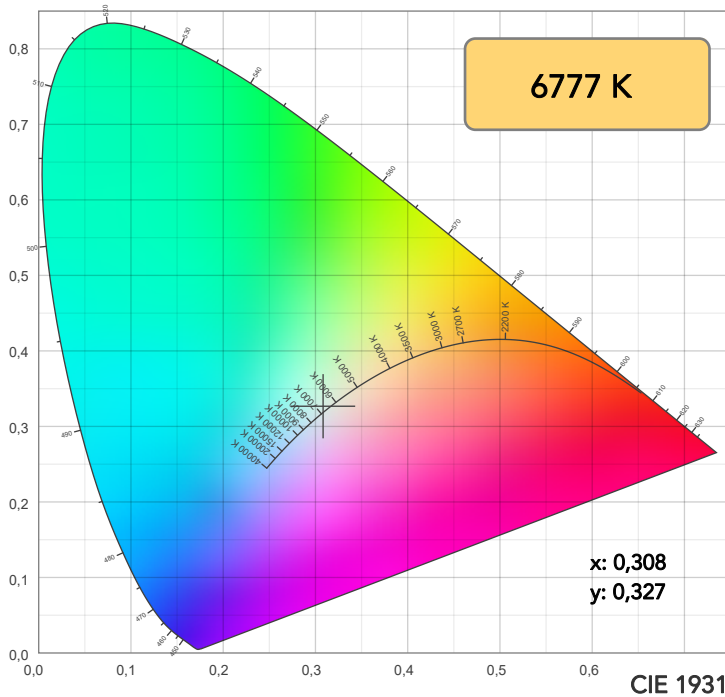
Field angle 10%: 90,9°

Cut off angle 2.5%: 127,2°

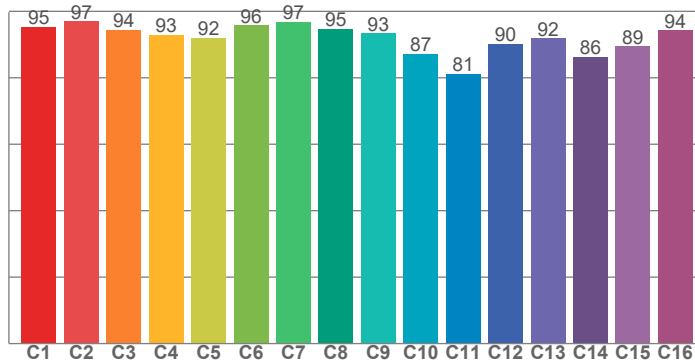
Spectra



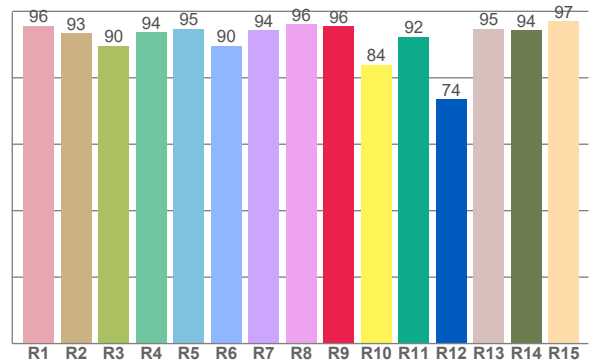
COLOR DETAILS



TM30: 92,3



CRI: 93,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,7	93,4	89,7	93,7	94,8	89,6	94,2	96,2	95,6	83,9	92,3	73,5	94,7	94,4	97,0

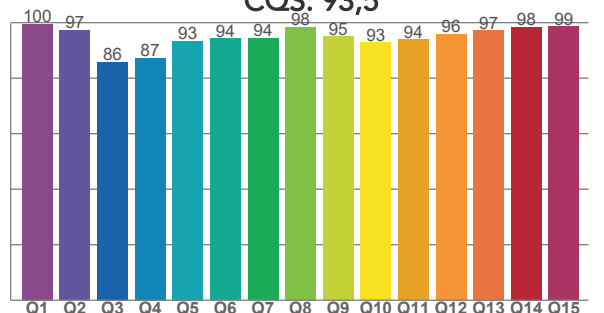
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	97,0	94,5	93,0	92,1	95,8	96,9	94,7	93,4	87,2	81,2	90,2	91,8	86,3	89,5	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,3	85,8	87,2	93,4	94,2	94,4	98,5	95,0	92,9	93,9	95,8	97,2	98,5	98,6

CQS: 93,5



COLOR PARAMETERS

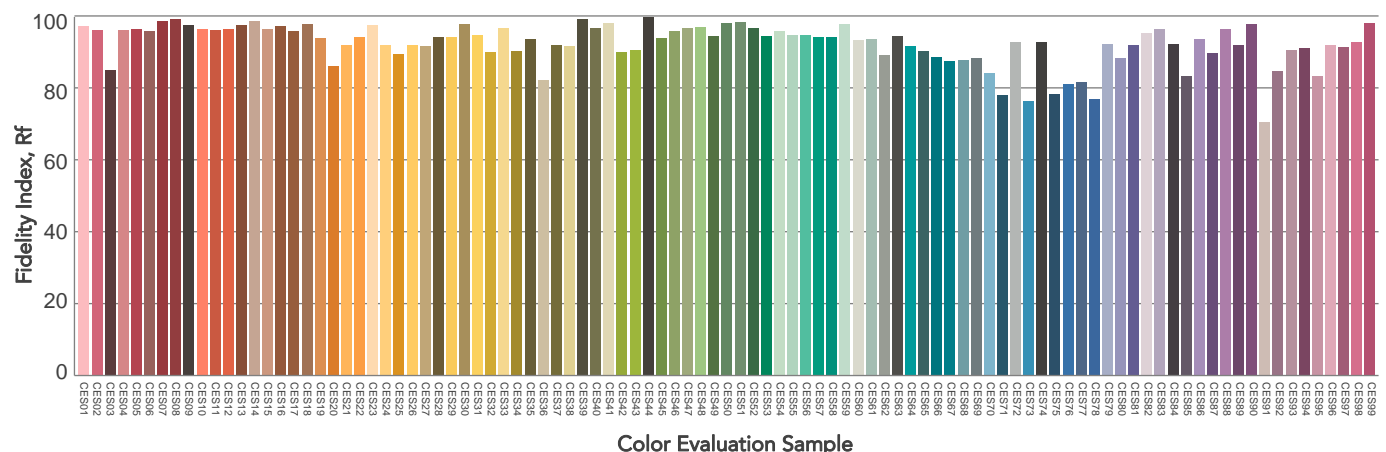
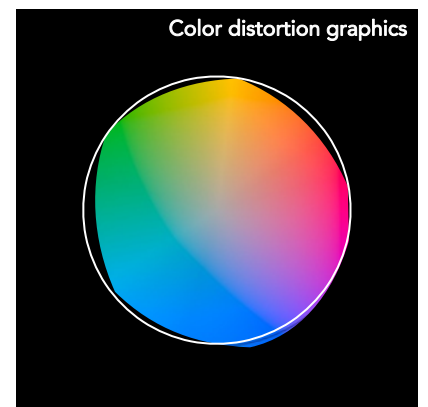
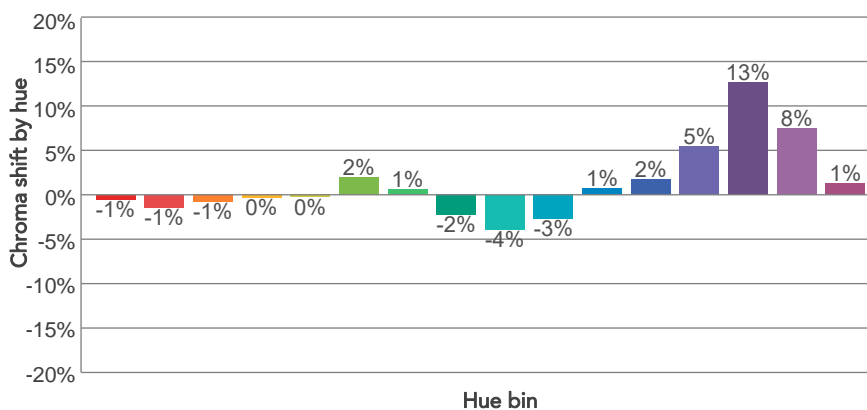
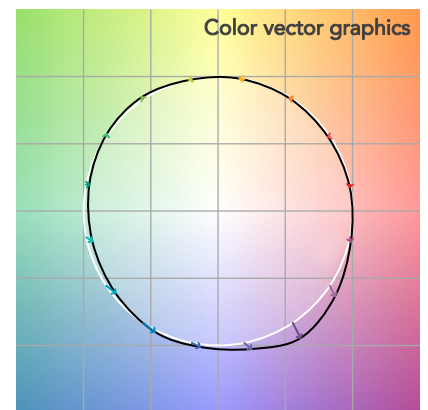
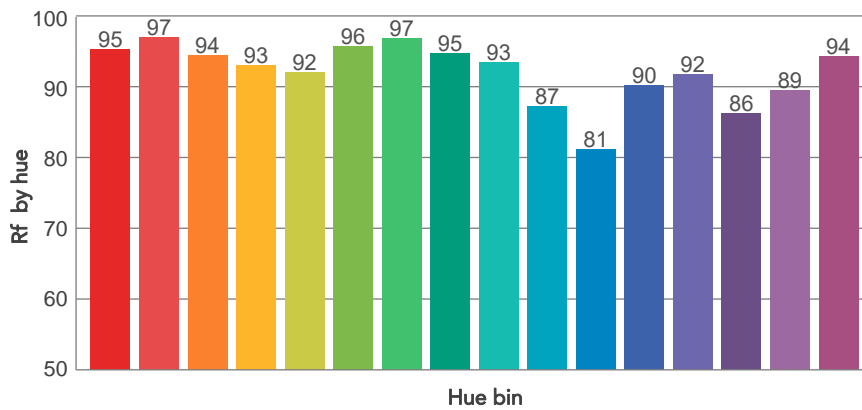
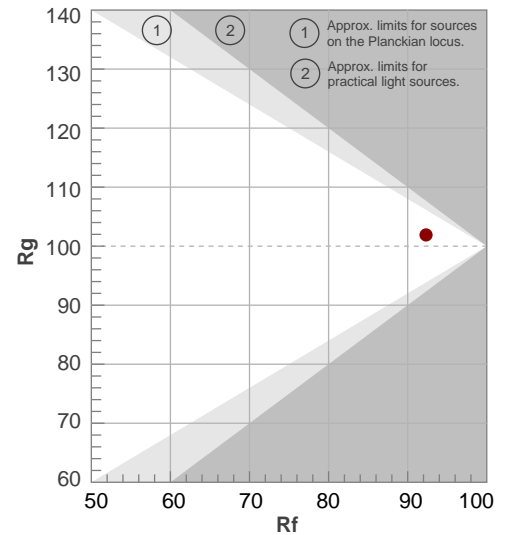
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6777 K	93,4	95,6	92,3	101,9	93,5	98	0,308	0,327	0,0011

TM30 DETAILS

Rf 92,3
Fidelity index Rf

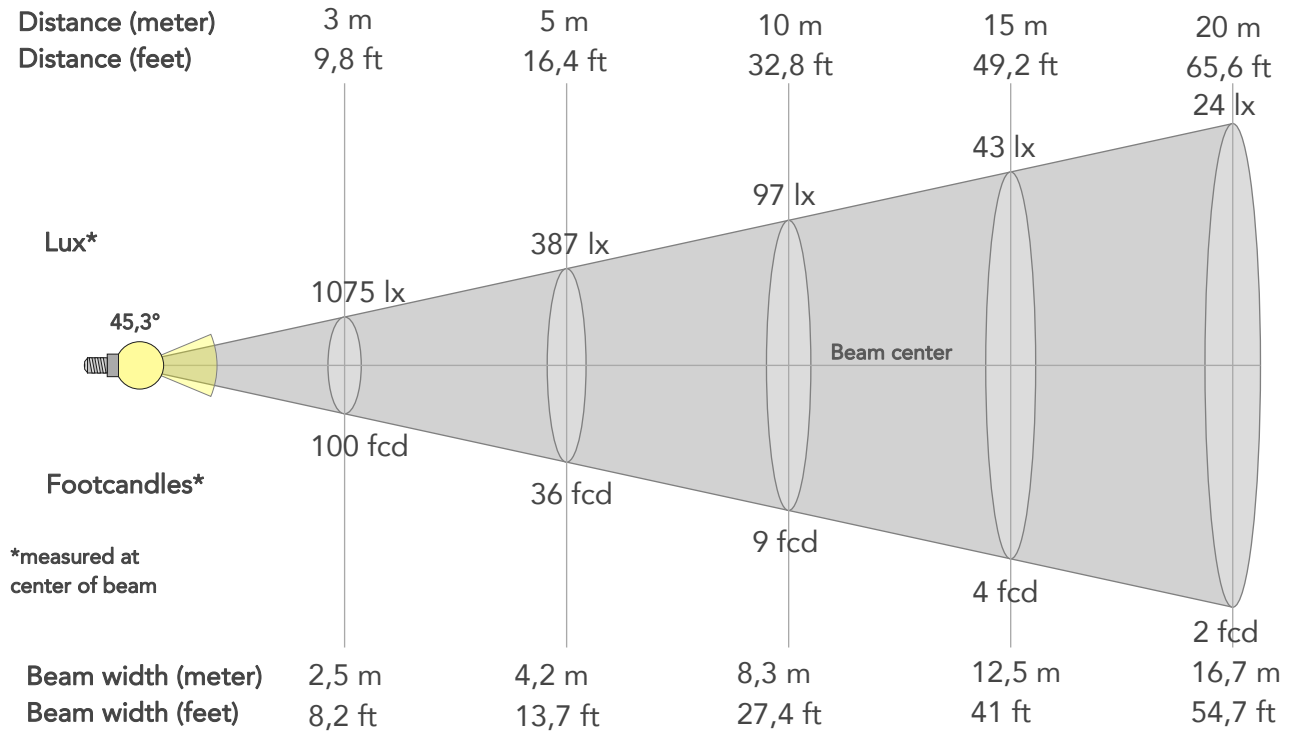
Rg 101,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	93	-4%	4%
10	87	-3%	8%
11	81	1%	11%
12	90	2%	7%
13	92	5%	4%
14	86	13%	-1%
15	89	8%	-4%
16	94	1%	-3%



BEAM DETAILS

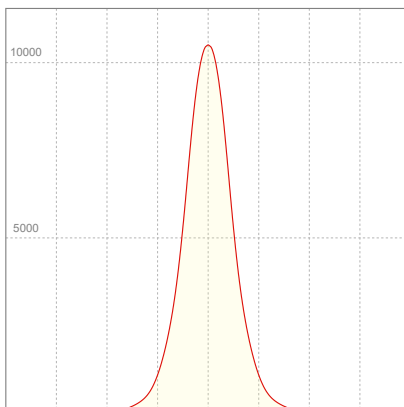
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,3°	90,9°	127,2°	95,4%	85,7%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9674lx	2418lx	1075lx	605lx	387lx	172lx	97lx	43lx	24lx	15lx	11lx	6lx	4lx
Footcand.	899fcd	225fcd	100fcd	56fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,3m	12,5m	16,7m	20,9m	25m	33,4m	41,7m
Beam wid.	2,8ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,4ft	41ft	54,7ft	68,4ft	82,1ft	109,5ft	136,8ft

LINEAR DISTRIBUTION DIAGRAM

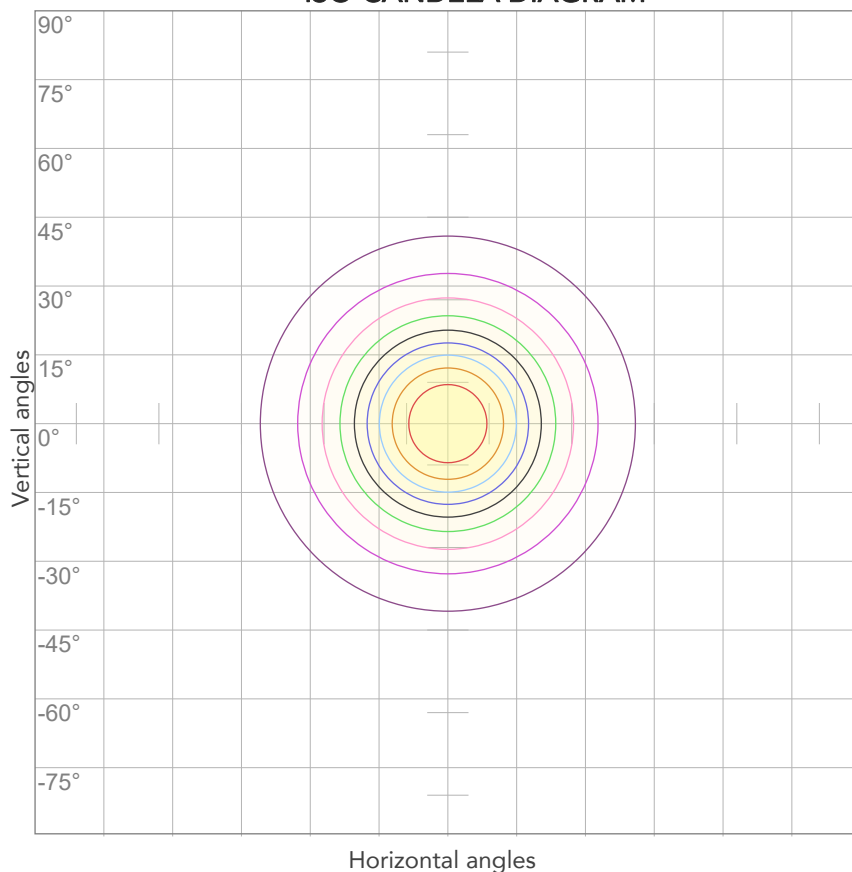


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,571A	125,2W	0,97	61lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



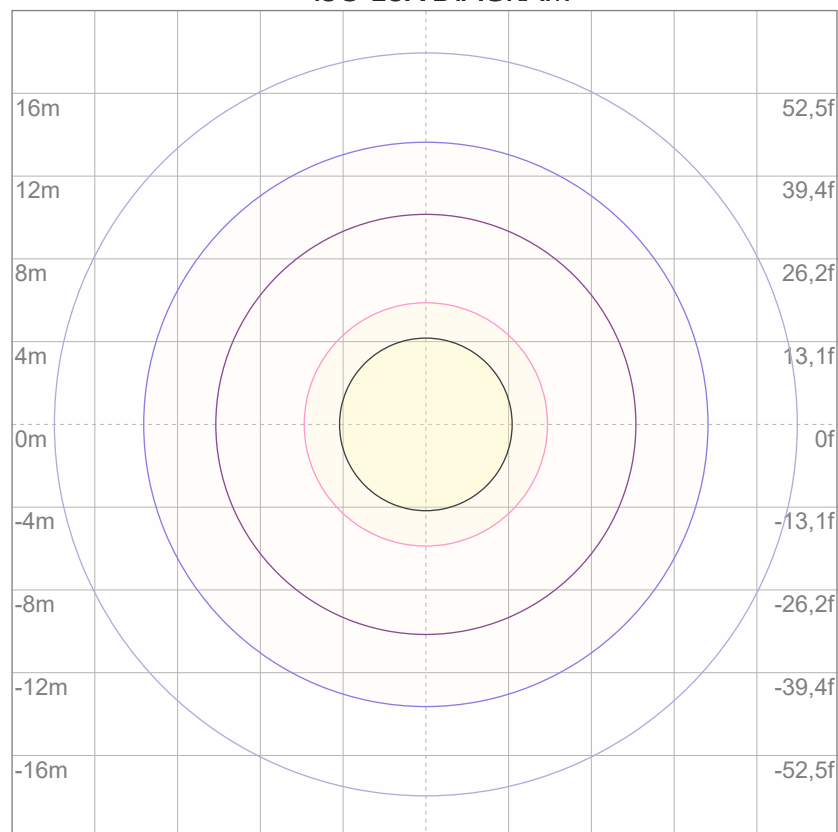
10%	967 cd
20%	1935 cd
30%	2902 cd
40%	3869 cd
50%	4837 cd
60%	5804 cd
70%	6771 cd
80%	7739 cd

Conditions:

Number of c-planes: 2

Candela at center: 9674 cd

ISO LUX DIAGRAM



3%	2,90 lx
5%	4,84 lx
10%	9,67 lx
30%	29,0 lx
50%	48,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 96,7 lx

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



Total lumen output:

7537 lm

Peak candela output:

6770 cd

Light quality:

CRI: 93,3

Color temperature:

6752 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

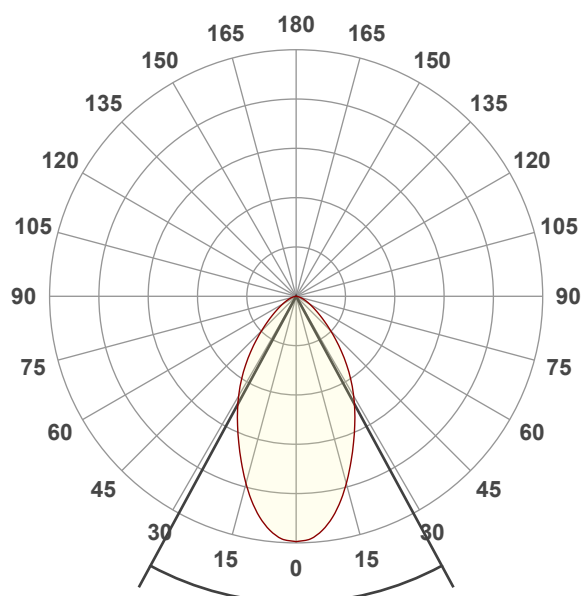
Cold White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:32:30

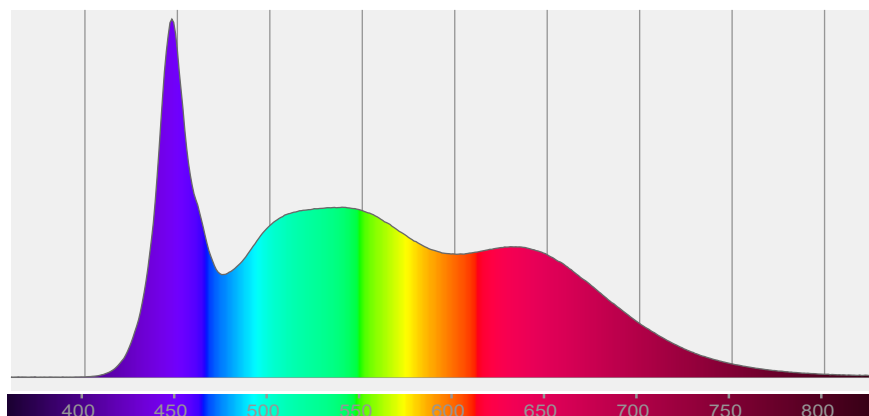


Beam angle 50%: 56,8°

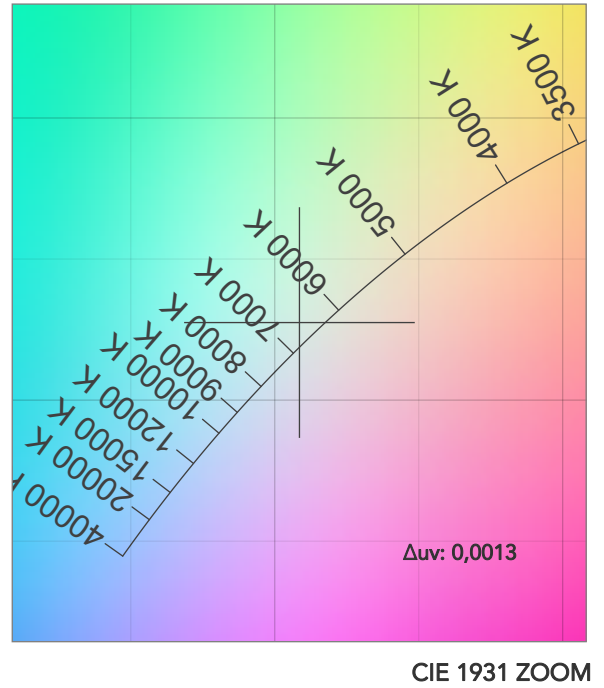
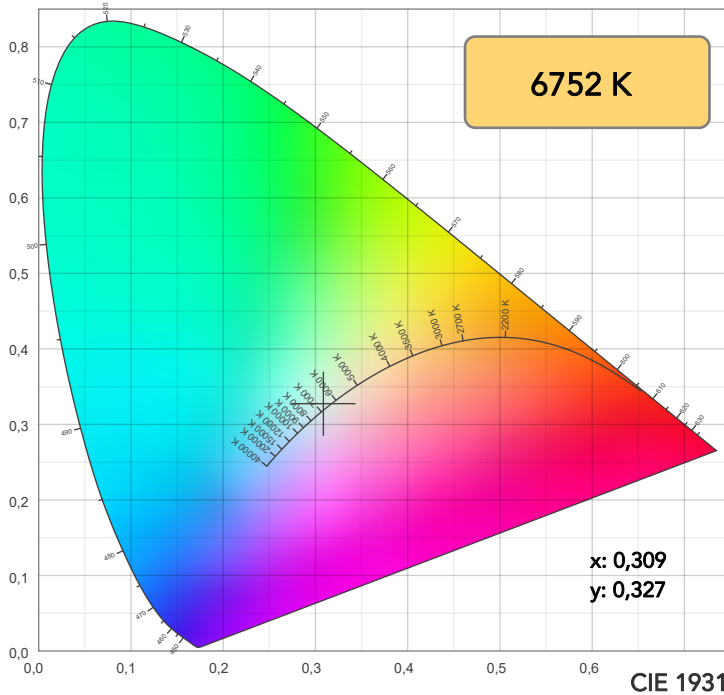
Field angle 10%: 108,4°

Cut off angle 2.5%: 142,3°

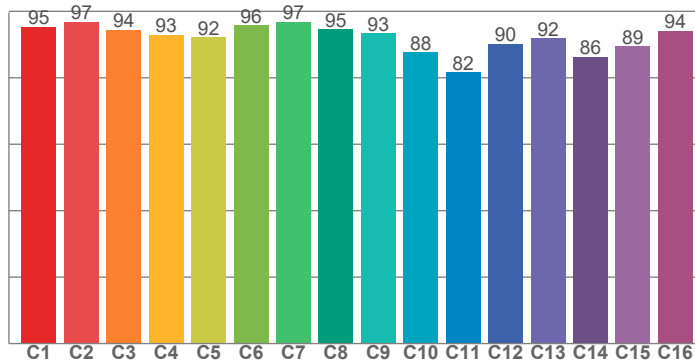
Spectra



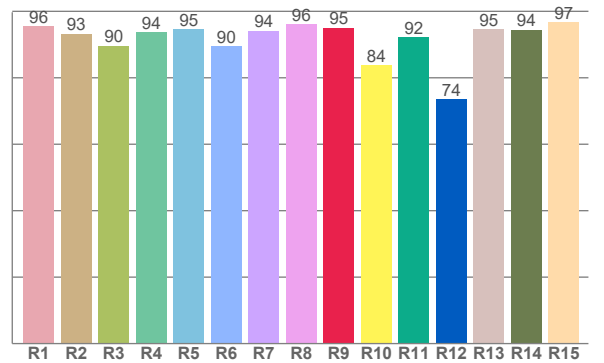
COLOR DETAILS



TM30: 92,3



CRI: 93,3 (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
95,5	93,3	89,7	93,6	94,6	89,5	94,2	96,2	95,0	83,7	92,3	73,5	94,5	94,4	96,8

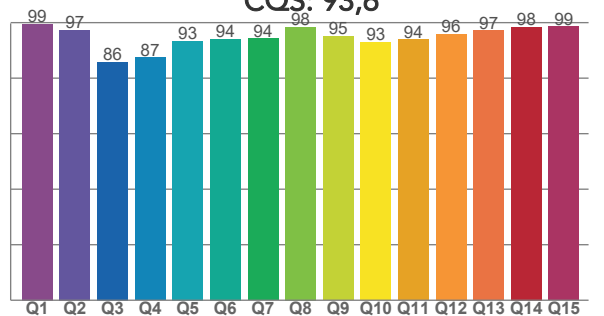
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	96,9	94,4	93,0	92,1	95,8	96,8	94,6	93,4	87,7	81,7	90,2	91,8	86,3	89,5	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,3	85,9	87,4	93,4	94,1	94,3	98,4	95,1	92,9	93,9	95,8	97,1	98,4	98,5

CQS: 93,6



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
6752 K	93,3	95,0	92,3	101,8	93,6	98	0,309	0,327	0,0013

TM30 DETAILS

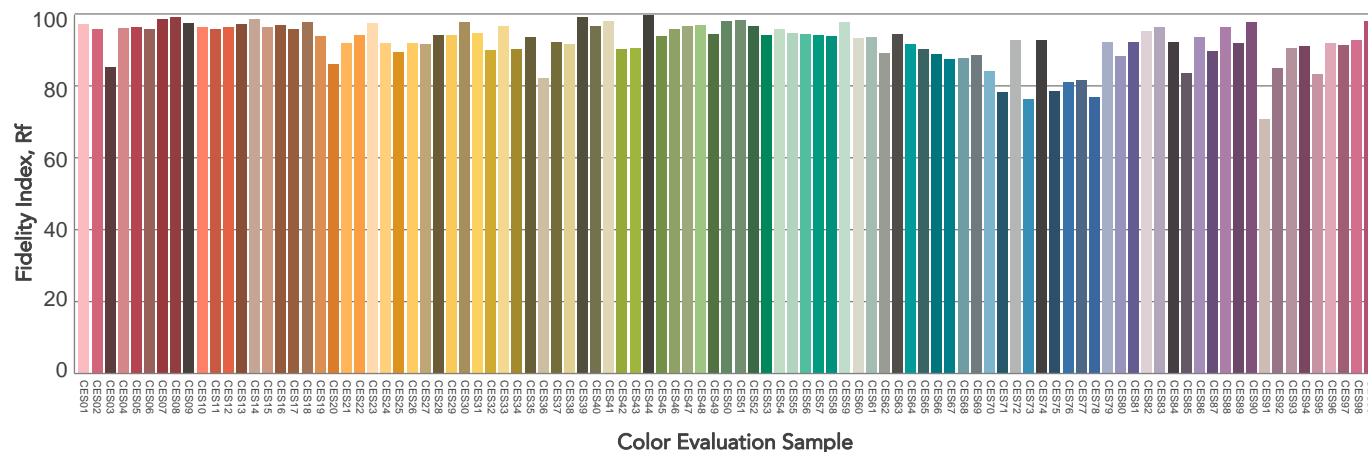
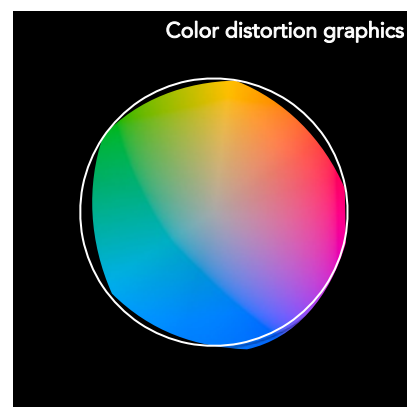
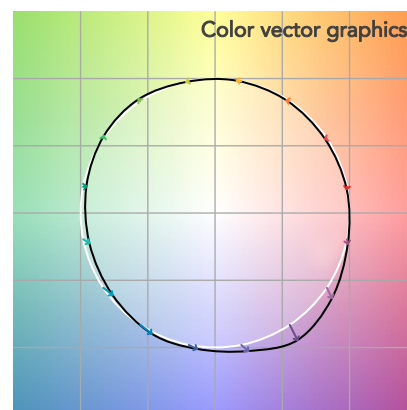
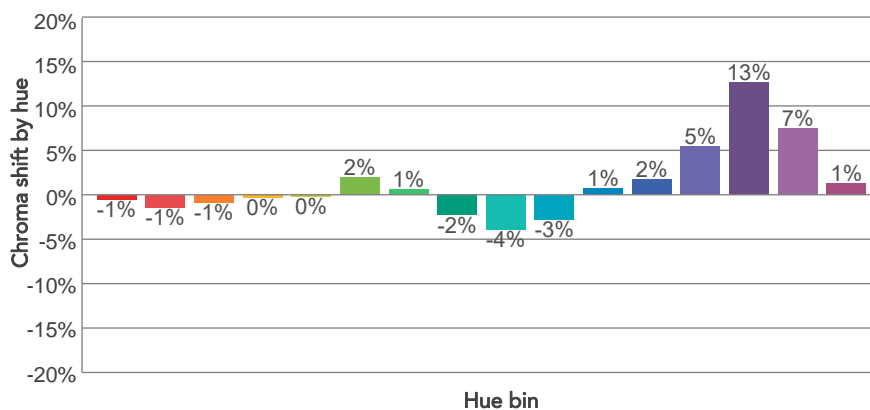
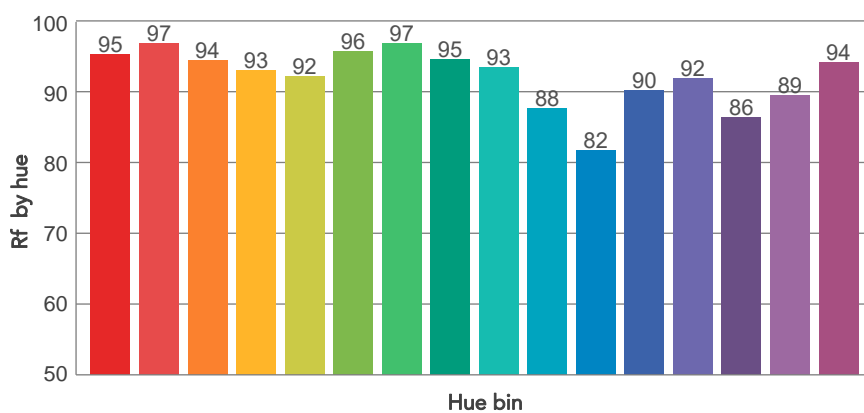
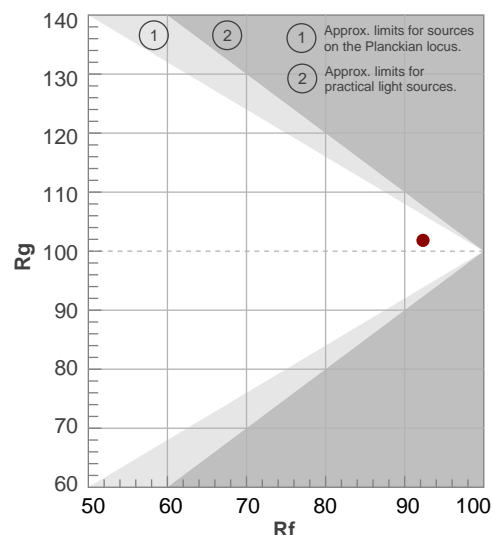
Rf 92,3

Fidelity index R_f

Rg 101,8

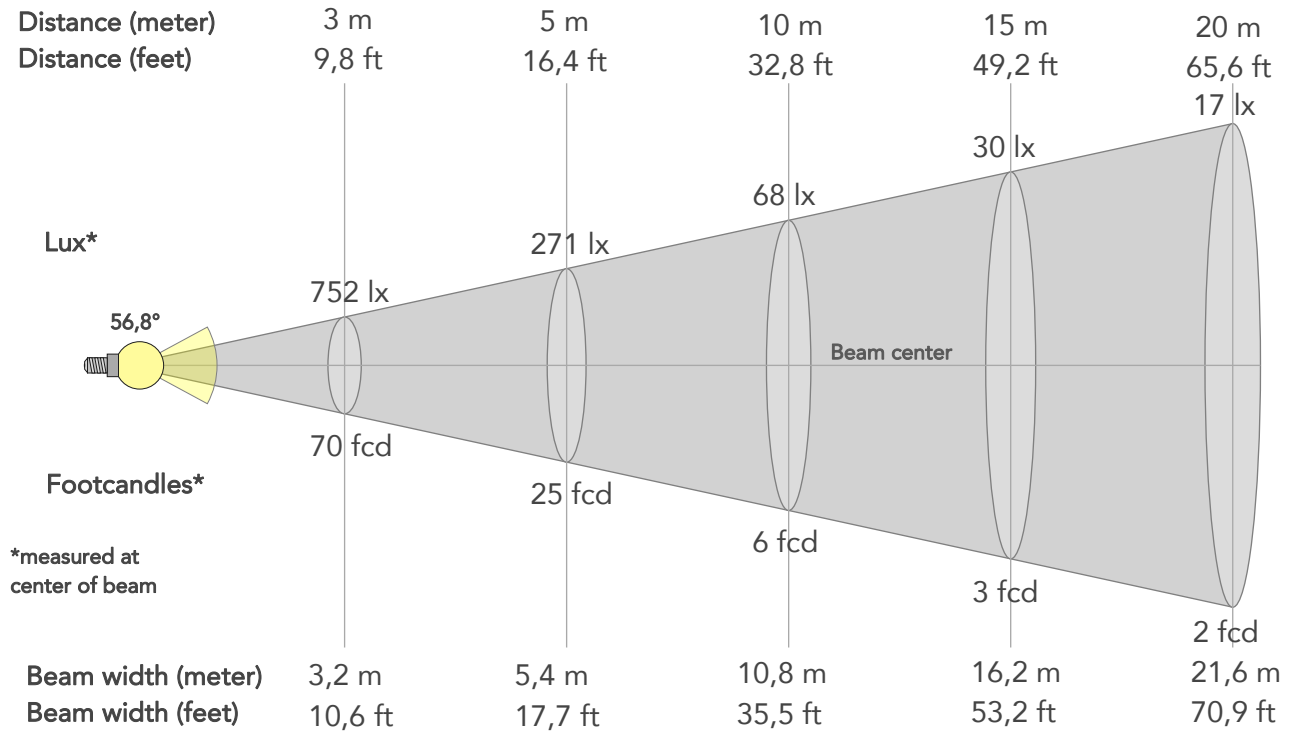
Gammut index

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	95	-1%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	92	5%	4%
14	86	13%	-2%
15	89	7%	-4%
16	94	1%	-3%



BEAM DETAILS

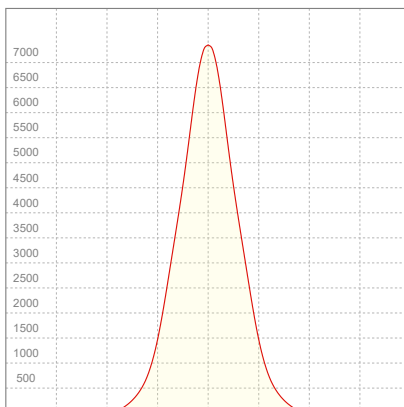
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,8°	108,4°	142,3°	93,9%	80,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6770lx	1692lx	752lx	423lx	271lx	120lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	629fcd	157fcd	70fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,2m	4,3m	5,4m	8,1m	10,8m	16,2m	21,6m	27m	32,4m	43,3m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,7ft	26,6ft	35,5ft	53,2ft	70,9ft	88,7ft	106,4ft	141,9ft	177,3ft

LINEAR DISTRIBUTION DIAGRAM

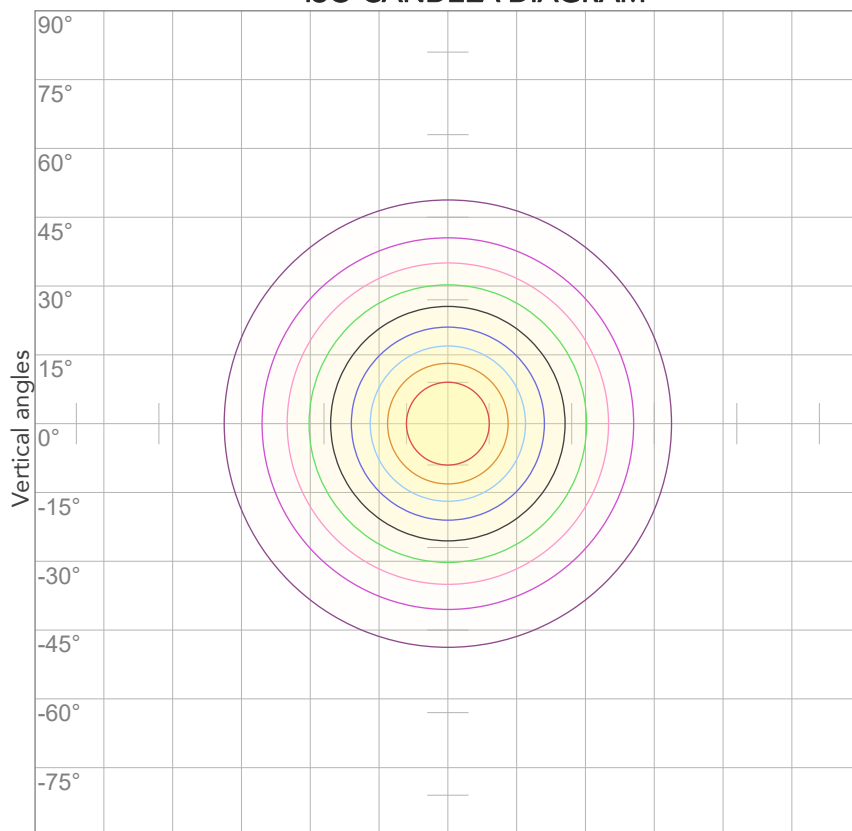


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,573A	125,4W	0,97	60lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



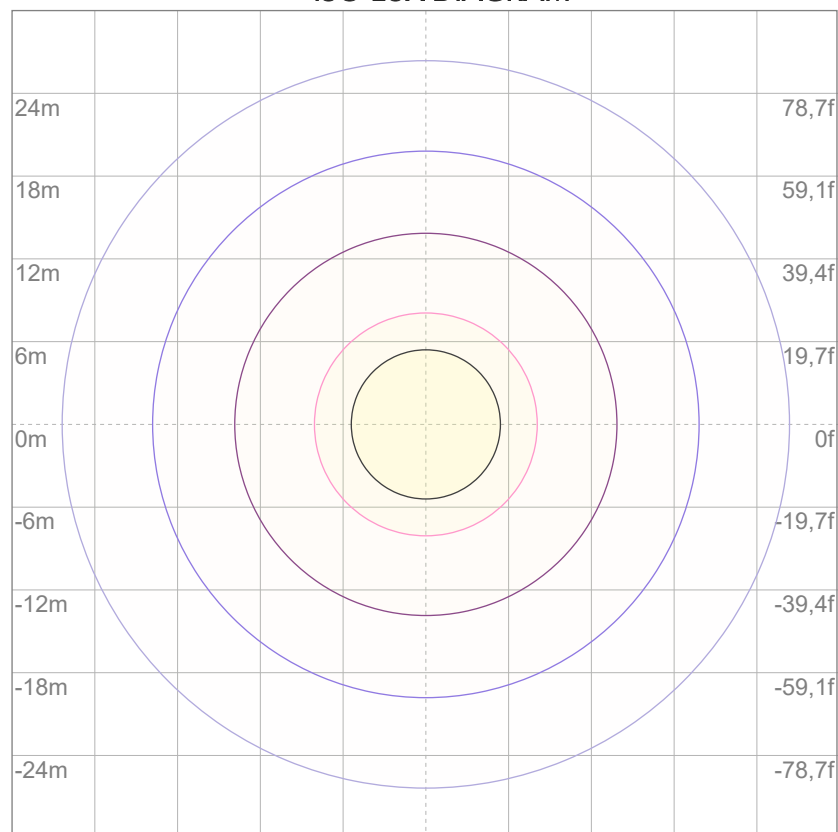
10%	677 cd
20%	1354 cd
30%	2031 cd
40%	2708 cd
50%	3385 cd
60%	4062 cd
70%	4739 cd
80%	5416 cd

Conditions:

Number of c-planes: 2

Candela at center: 6770 cd

ISO LUX DIAGRAM



3%	2,03 lx
5%	3,38 lx
10%	6,77 lx
30%	20,3 lx
50%	33,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 67,7 lx

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



Total lumen output:

9748 lm

Peak candela output:

21204 cd

Light quality:

CRI: 96,0

Color temperature:

6801 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

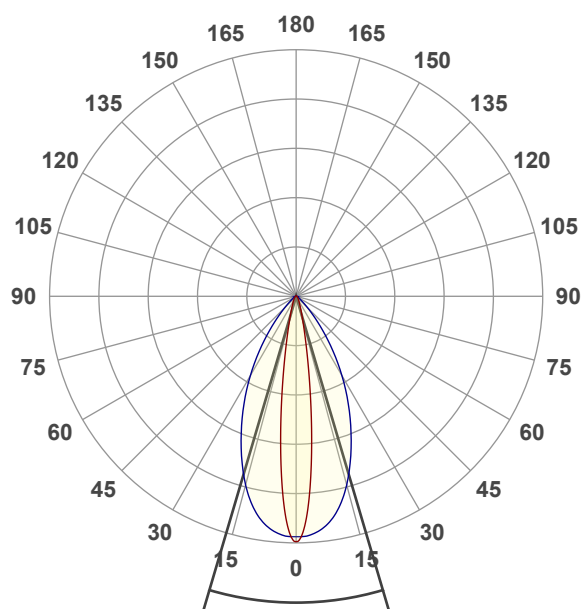
Cold White

Operator:

Salvatore Giglio

Date and time:

08/04/2024 18:06:48

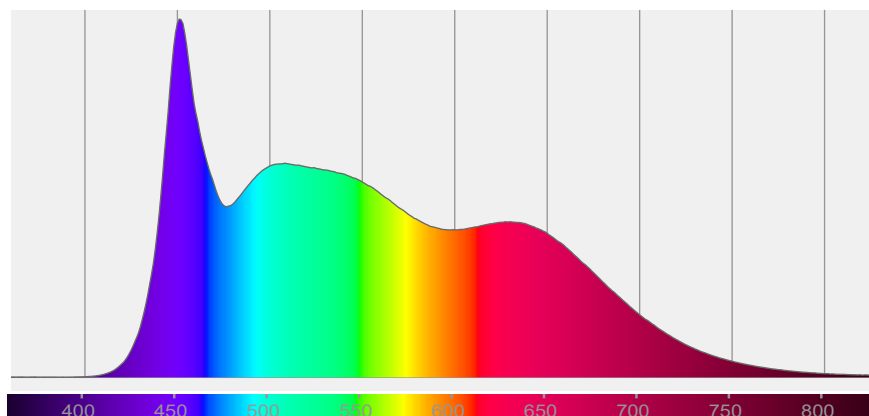


Beam angle 50%: 32,9°

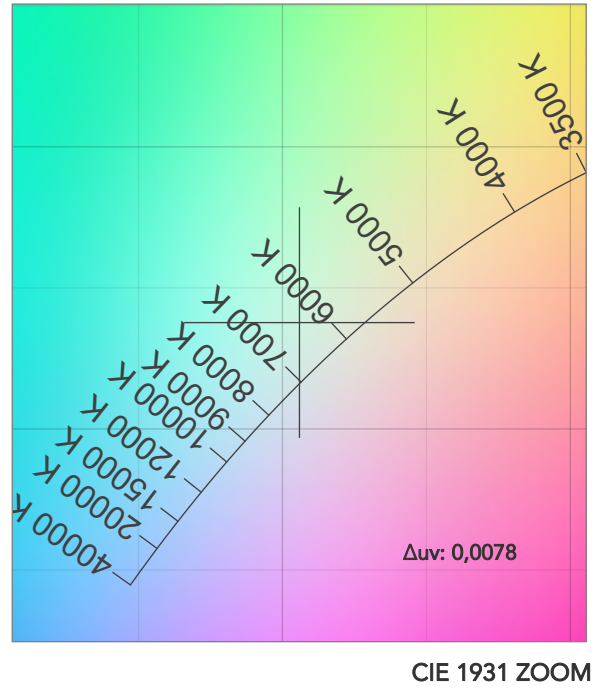
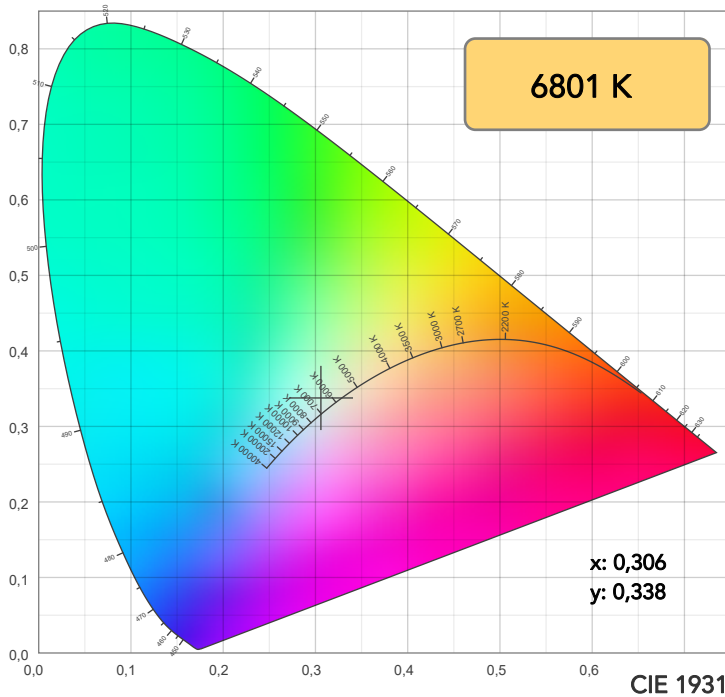
Field angle 10%: 57,8°

Cut off angle 2.5%: 80,6°

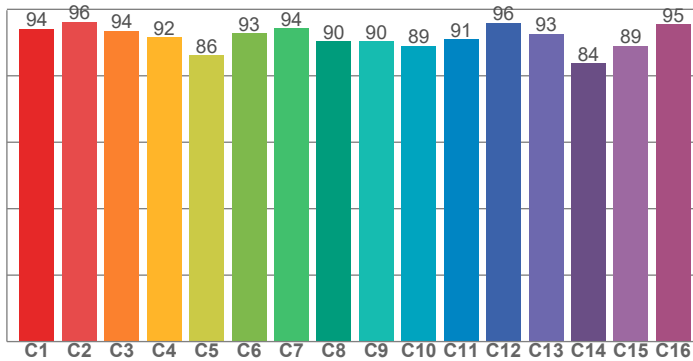
Spectra



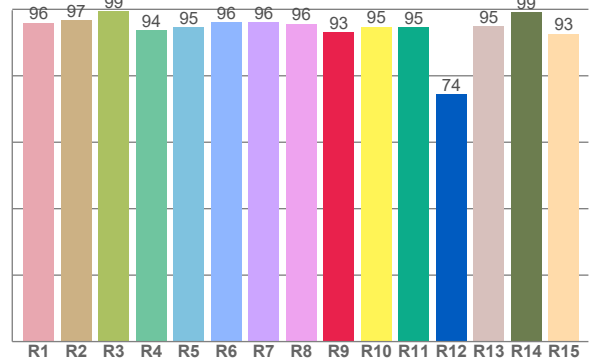
COLOR DETAILS



TM30: 91,5



CRI: 96,0 (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
95,9	96,8	99,4	93,7	94,6	96,1	96,1	95,6	93,0	94,7	94,5	74,4	94,9	99,1	92,6

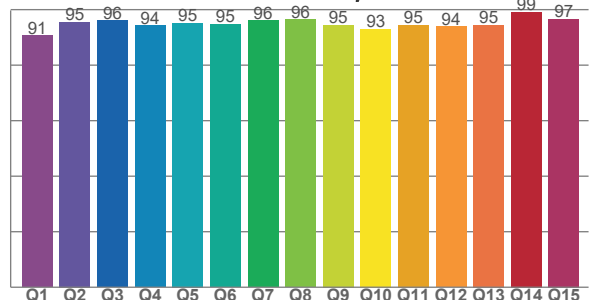
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,1	96,2	93,6	91,5	86,1	92,8	94,2	90,3	90,4	89,0	91,0	95,9	92,7	83,8	89,0	95,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,7	95,5	96,1	94,2	95,2	94,7	96,0	96,4	94,5	93,1	94,5	93,9	94,5	99,1	96,7

CQS: 94,7



COLOR PARAMETERS

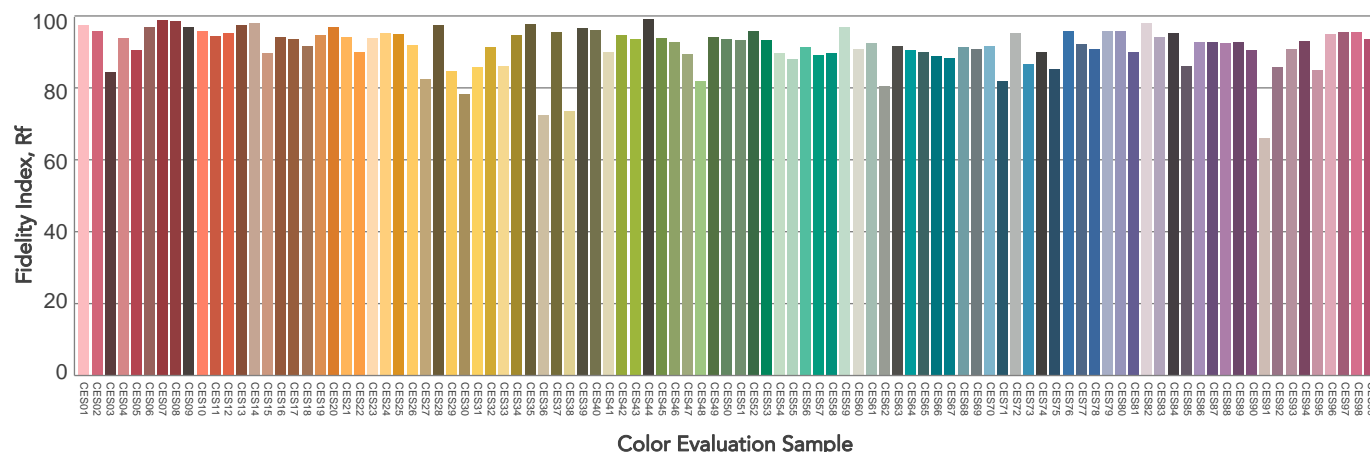
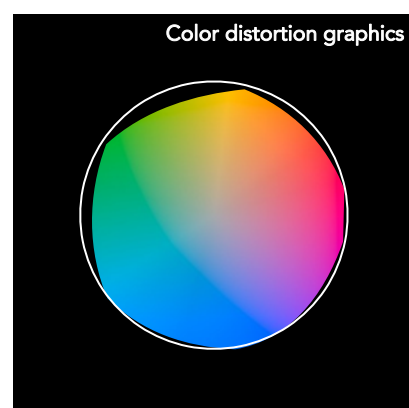
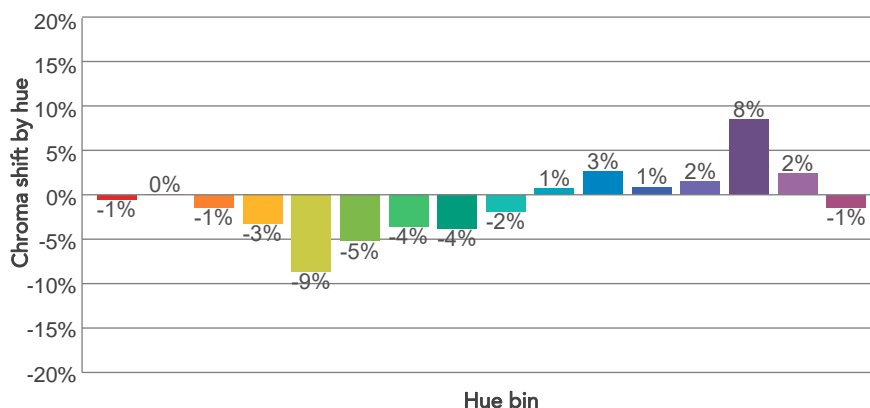
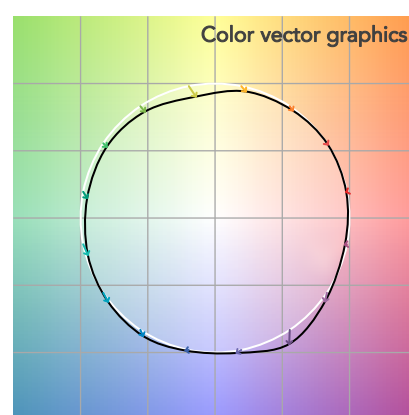
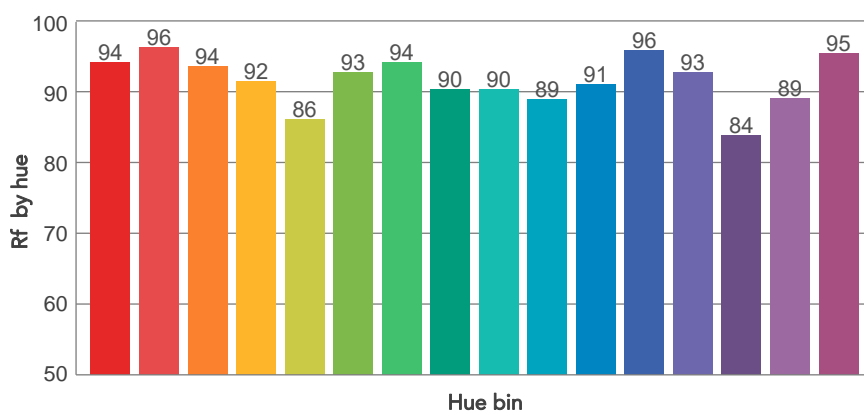
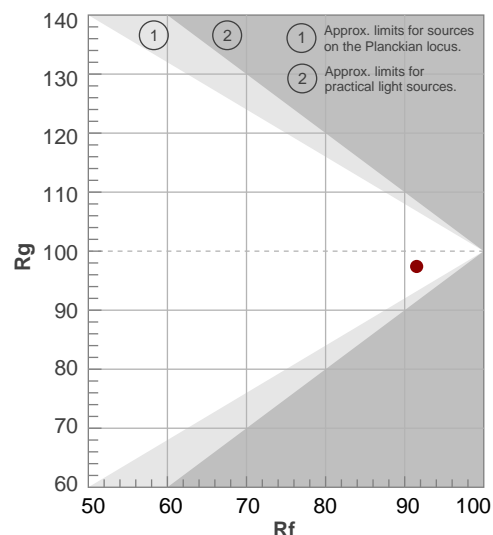
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6801 K	96,0	93,0	91,5	97,4	94,7	99	0,306	0,338	0,0078

TM30 DETAILS

Rf 91,5
Fidelity index Rf

Rg 97,4
Gammut index

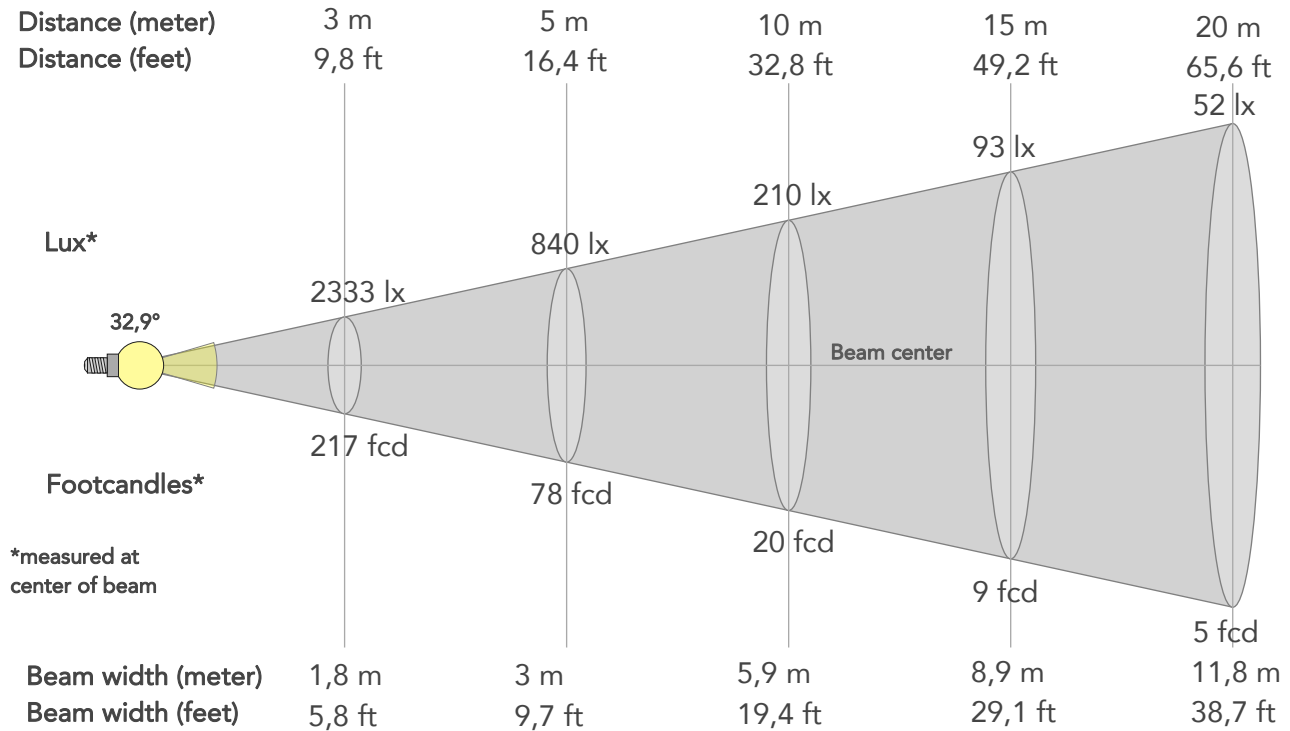
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	0%
2	96	0%	-1%
3	94	-1%	-4%
4	92	-3%	-4%
5	86	-9%	-4%
6	93	-5%	-1%
7	94	-4%	1%
8	90	-4%	4%
9	90	-2%	8%
10	89	1%	7%
11	91	3%	4%
12	96	1%	-2%
13	93	2%	-4%
14	84	8%	-6%
15	89	2%	-6%
16	95	-1%	-1%



BEAM DETAILS



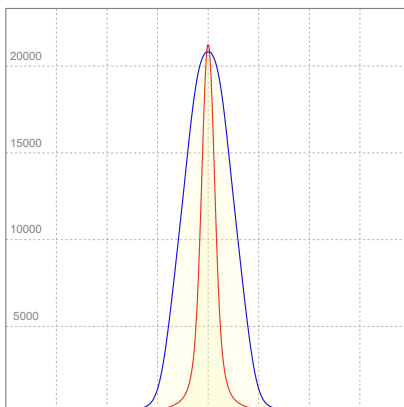
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,9°	57,8°	80,6°	97,1%	92,1%



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	20997lx	5249lx	2333lx	1312lx	840lx	373lx	210lx	93lx	52lx	34lx	23lx	13lx	8lx
Footcand.	1951fcd	488fcd	217fcd	122fcd	78fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,4m	5,9m	8,9m	11,8m	14,8m	17,7m	23,6m	29,5m
Beam wid.	1,9ft	3,9ft	5,8ft	7,7ft	9,7ft	14,5ft	19,4ft	29,1ft	38,7ft	48,4ft	58,1ft	77,5ft	96,8ft

LINEAR DISTRIBUTION DIAGRAM

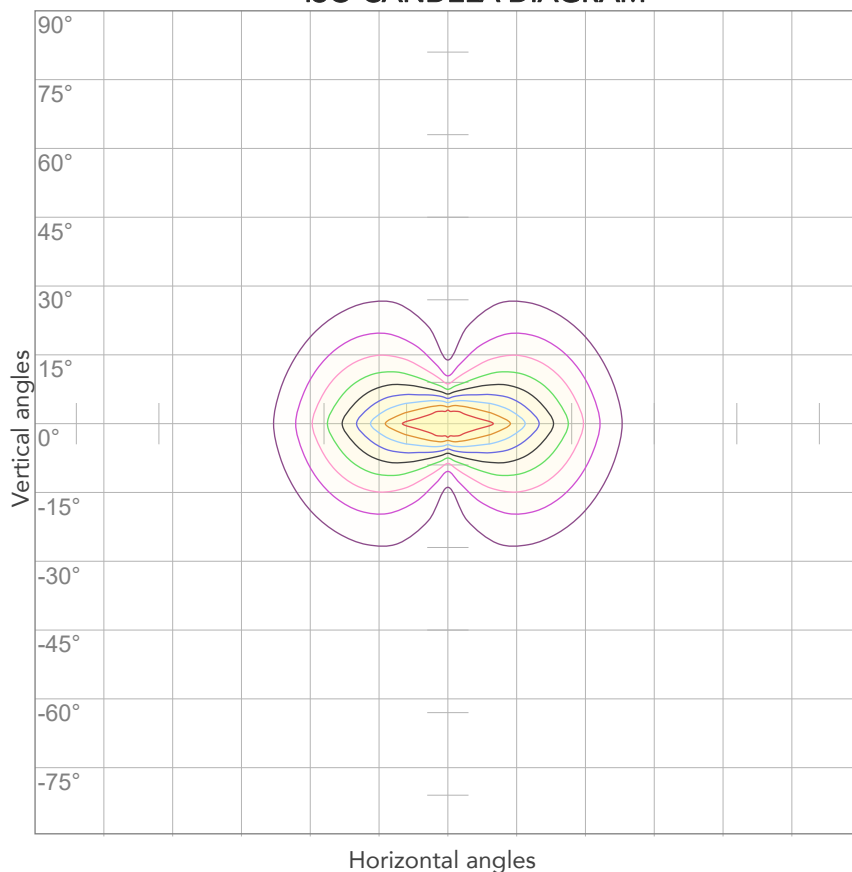


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,529A	115W	0,97	85lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



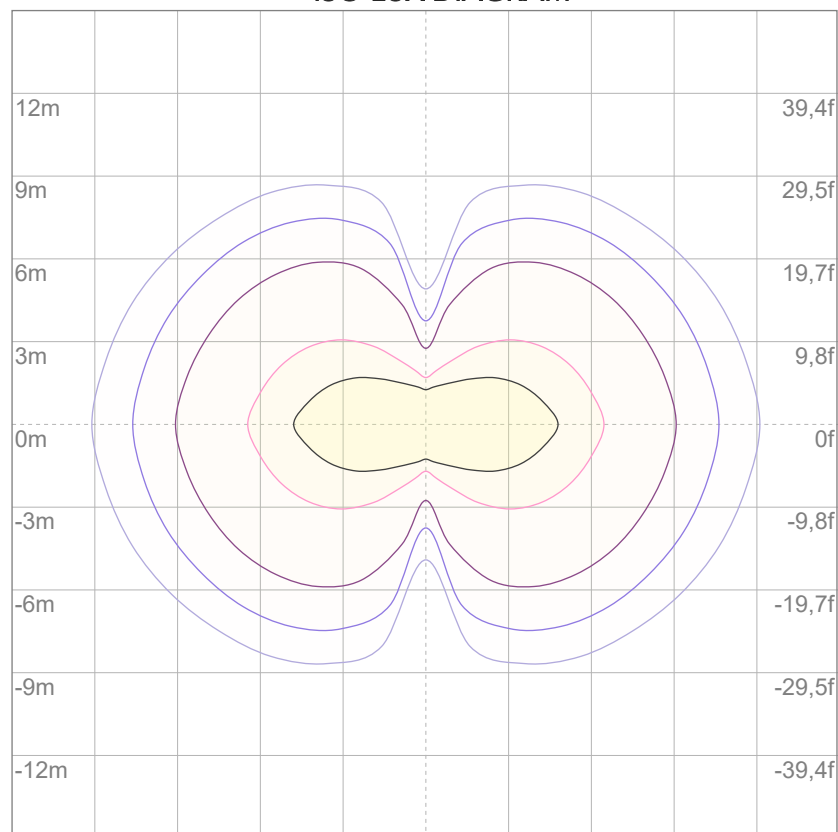
10%	2100 cd
20%	4199 cd
30%	6299 cd
40%	8399 cd
50%	10499 cd
60%	12598 cd
70%	14698 cd
80%	16798 cd

Conditions:

Number of c-planes: 4

Candela at center: 20997 cd

ISO LUX DIAGRAM



3%	6,30 lx
5%	10,5 lx
10%	21,0 lx
30%	63,0 lx
50%	105 lx

Conditions:

Number of c-planes: 4

Lux at center: 210 lx

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



Total lumen output:

8487 lm

Peak candela output:

12520 cd

Light quality:

CRI: 94,6

Color temperature:

6766 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

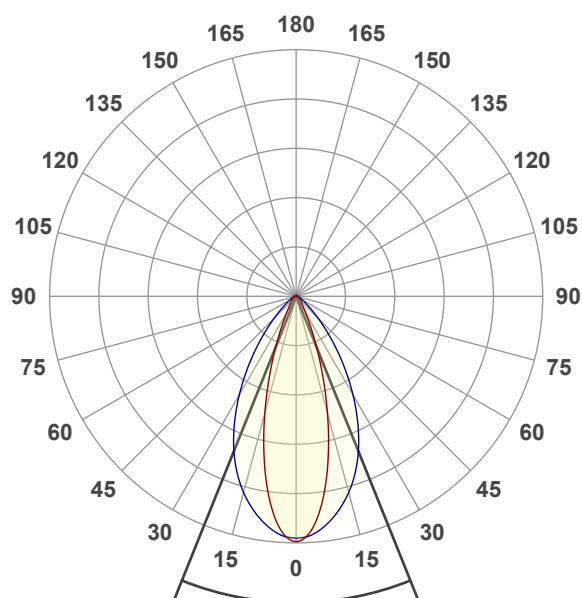
Cold White

Operator:

Salvatore Giglio

Date and time:

16/04/2024 16:44:46

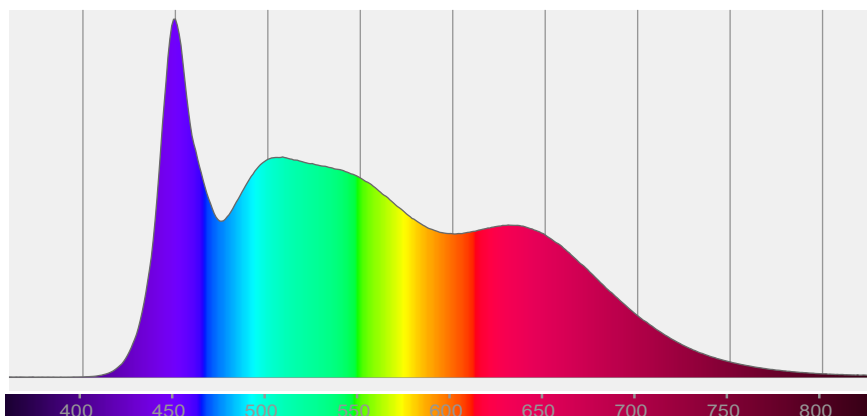


Beam angle 50%: 43,8°

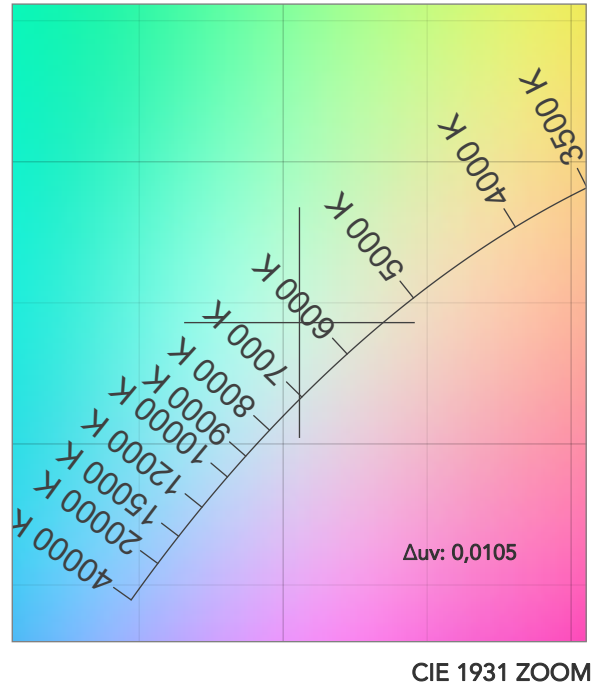
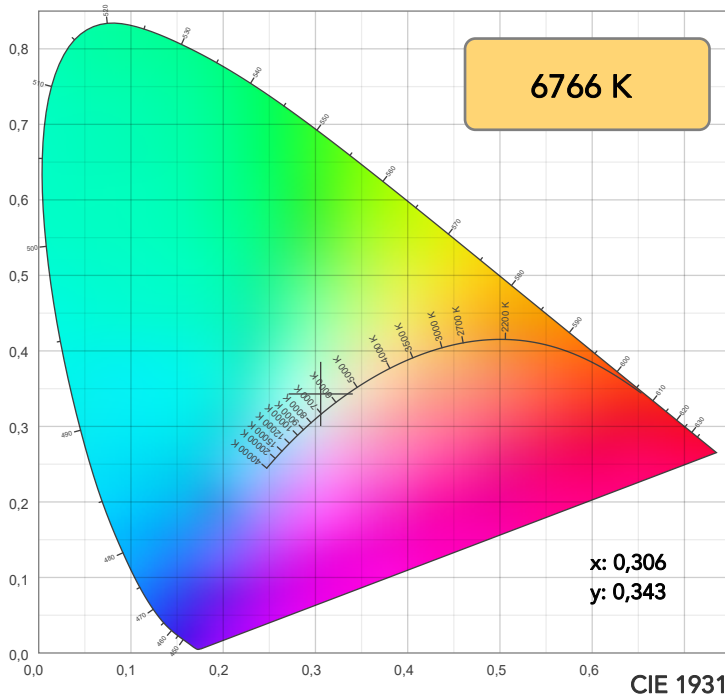
Field angle 10%: 75,1°

Cut off angle 2.5%: 108,7°

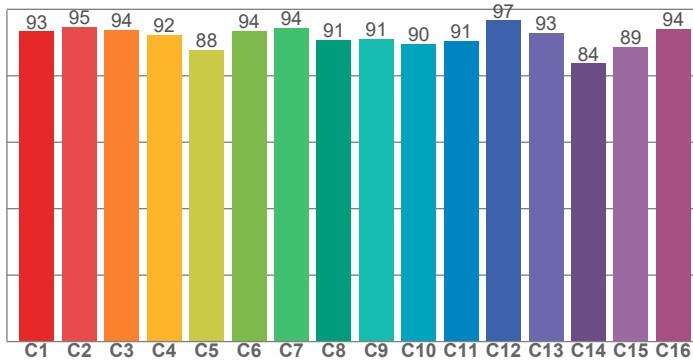
Spectra



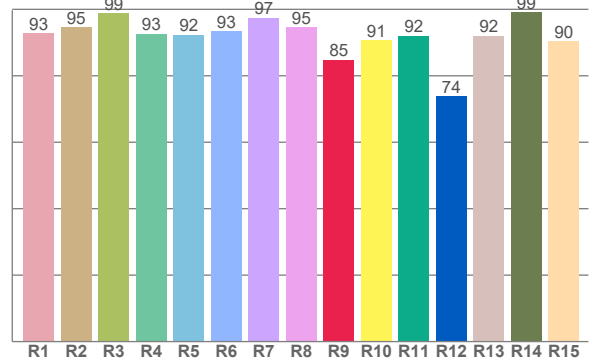
COLOR DETAILS



TM30: 91,8



CRI: 94,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,8	94,6	98,9	92,6	92,4	93,4	97,5	94,7	84,8	90,6	92,1	73,7	92,1	99,2	90,4

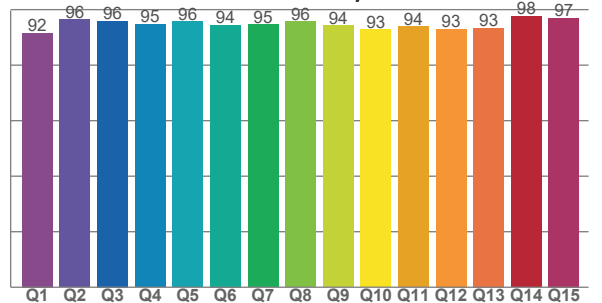
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	94,7	93,8	92,4	87,8	93,5	94,4	90,8	91,2	89,7	90,6	96,7	93,0	83,8	88,6	94,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,5	96,4	95,9	94,7	95,7	94,5	94,7	95,7	94,3	92,8	94,0	93,0	93,5	97,6	96,9

CQS: 94,5



COLOR PARAMETERS

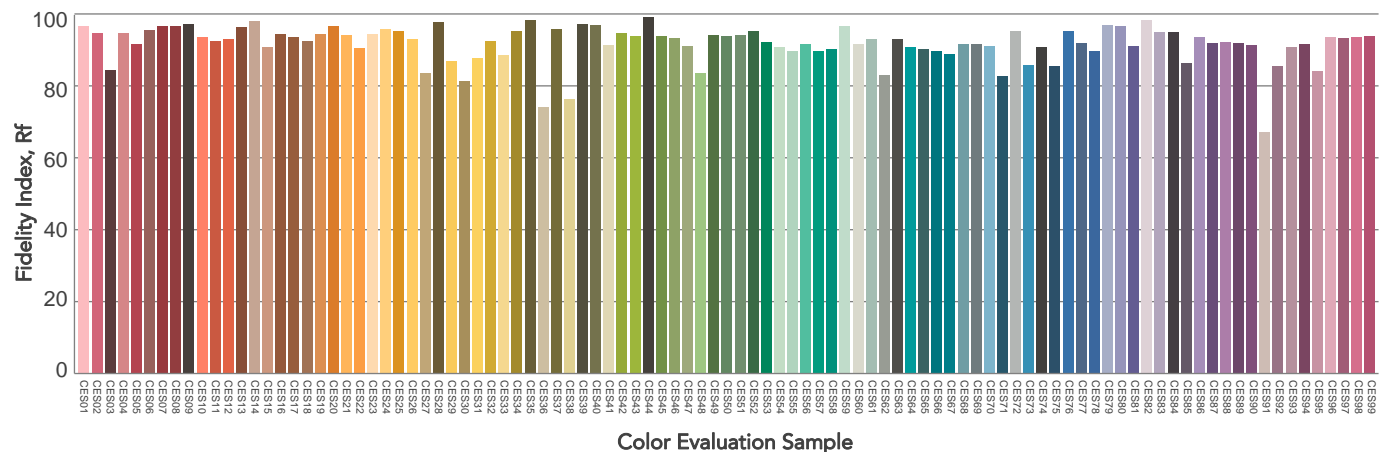
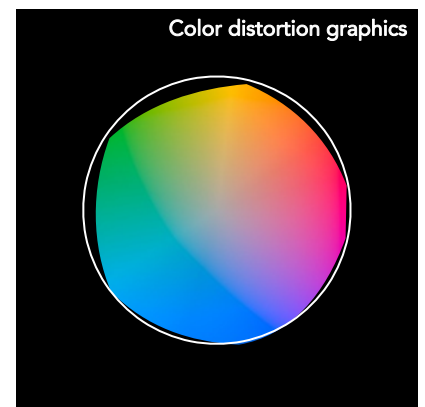
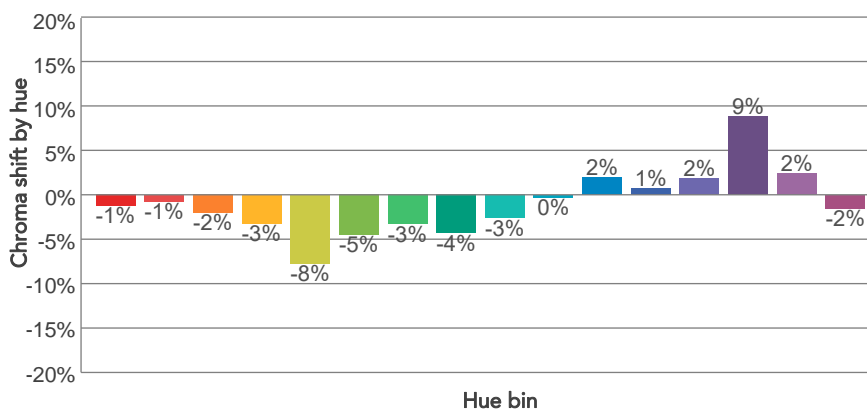
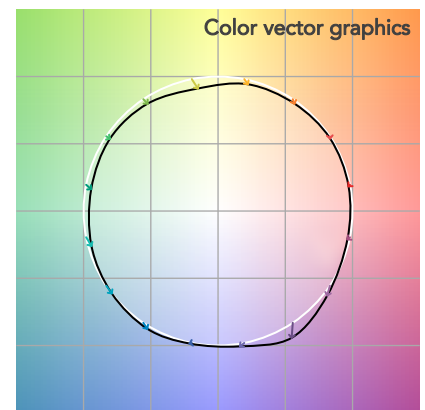
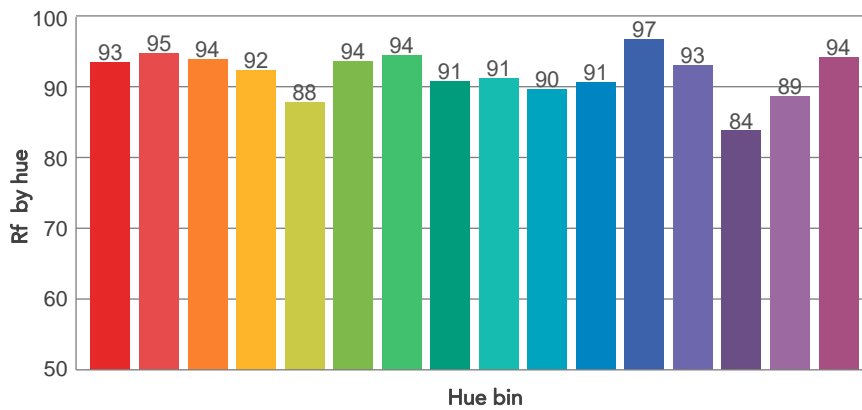
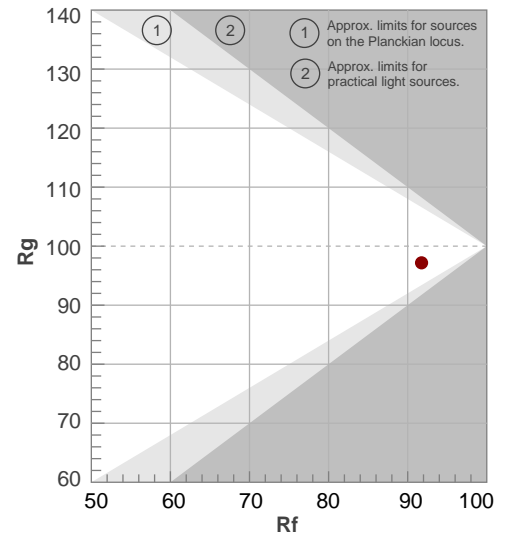
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6766 K	94,6	84,8	91,8	97,2	94,5	99	0,306	0,343	0,0105

TM30 DETAILS

Rf 91,8
Fidelity index Rf

Rg 97,2
Gammut index

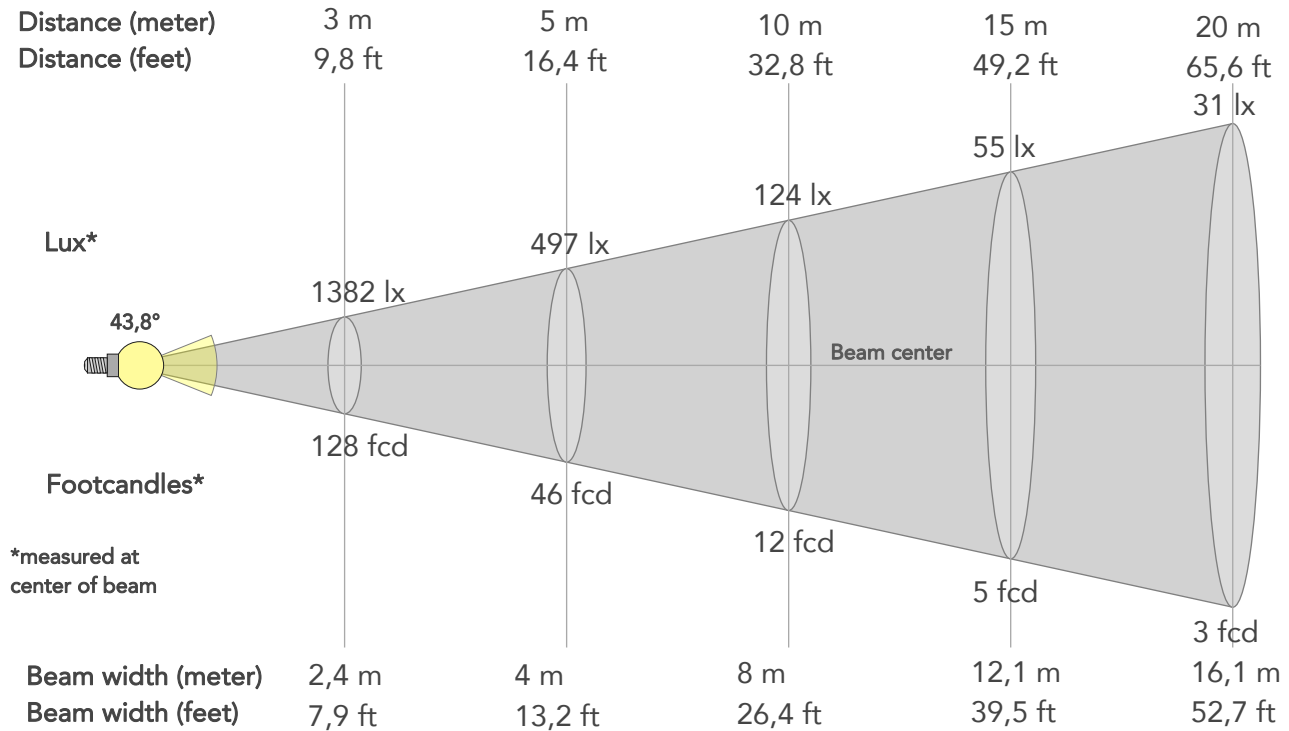
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-1%
2	95	-1%	-1%
3	94	-2%	-3%
4	92	-3%	-3%
5	88	-8%	-3%
6	94	-5%	-1%
7	94	-3%	0%
8	91	-4%	2%
9	91	-3%	7%
10	90	0%	7%
11	91	2%	5%
12	97	1%	-2%
13	93	2%	-4%
14	84	9%	-7%
15	89	2%	-7%
16	94	-2%	-2%



BEAM DETAILS



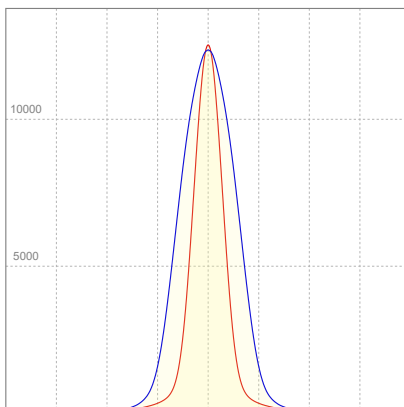
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,1°	108,7°	95,6%	87,8%



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	12436lx	3109lx	1382lx	777lx	497lx	221lx	124lx	55lx	31lx	20lx	14lx	8lx	5lx
Footcand.	1155fcd	289fcd	128fcd	72fcd	46fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,2m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,4ft	39,5ft	52,7ft	65,9ft	79,1ft	105,5ft	131,8ft

LINEAR DISTRIBUTION DIAGRAM

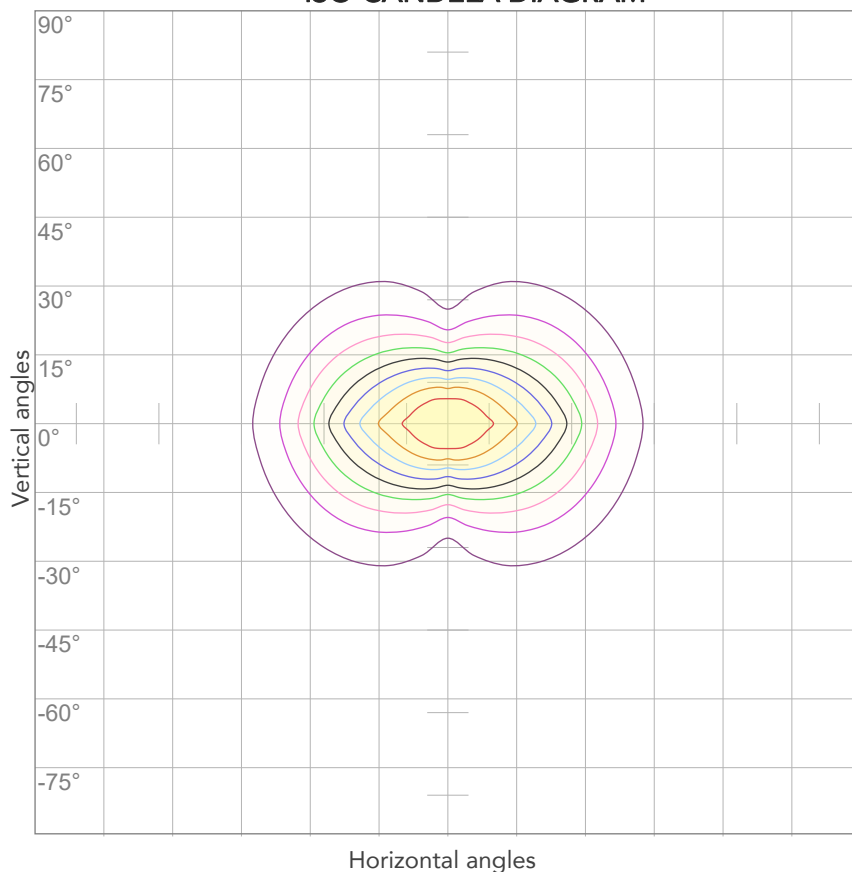


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,568A	124,8W	0,97	68lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



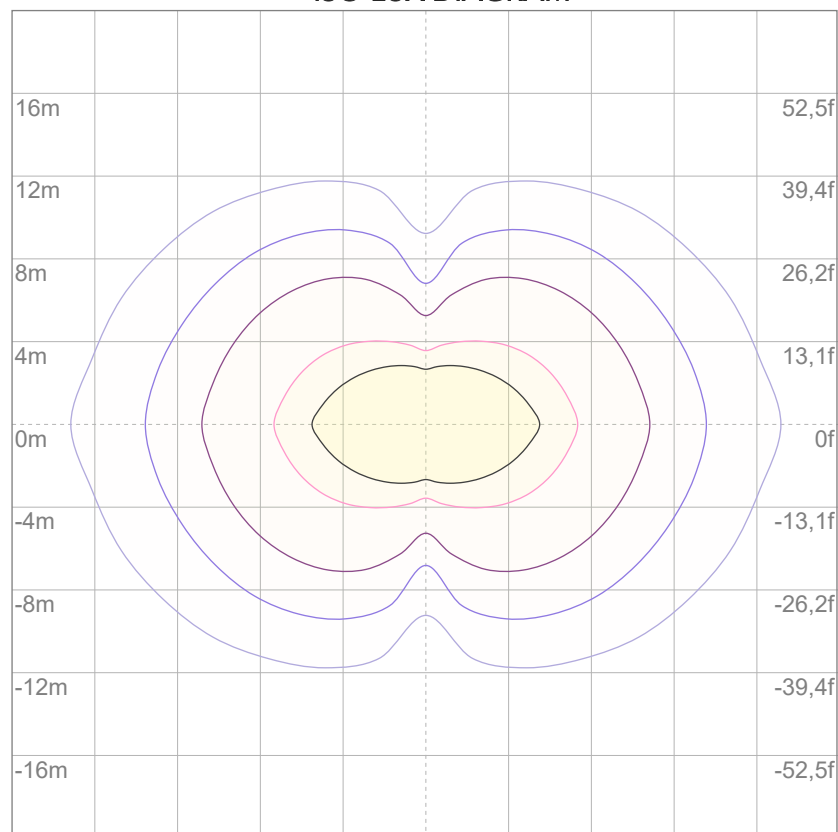
10%	1244 cd
20%	2487 cd
30%	3731 cd
40%	4974 cd
50%	6218 cd
60%	7461 cd
70%	8705 cd
80%	9949 cd

Conditions:

Number of c-planes: 4

Candela at center: 12436 cd

ISO LUX DIAGRAM



3%	3,73 lx
5%	6,22 lx
10%	12,4 lx
30%	37,3 lx
50%	62,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 124 lx

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



Total lumen output:

6696 lm

Peak candela output:

131529 cd

Light quality:

CRI: 97,1

Color temperature:

2718 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

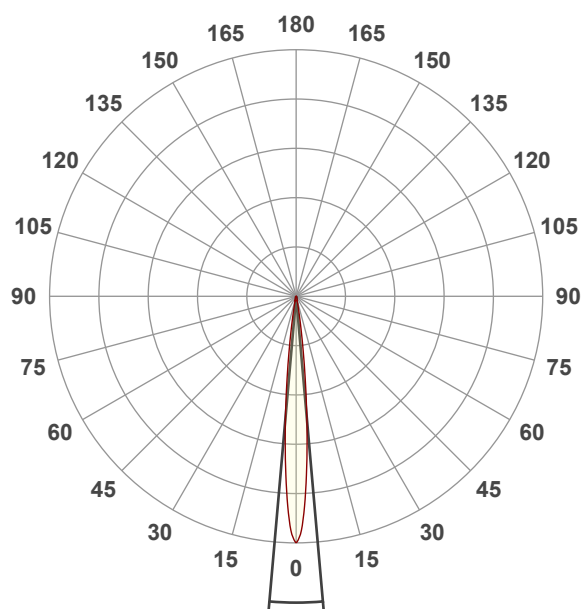
2800K

Operator:

Salvatore Giglio

Date and time:

10/05/2024 16:39:42

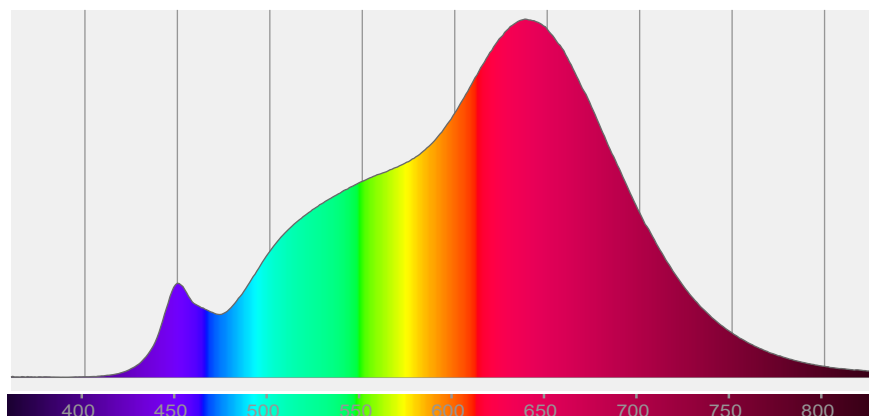


Beam angle 50%: 10°

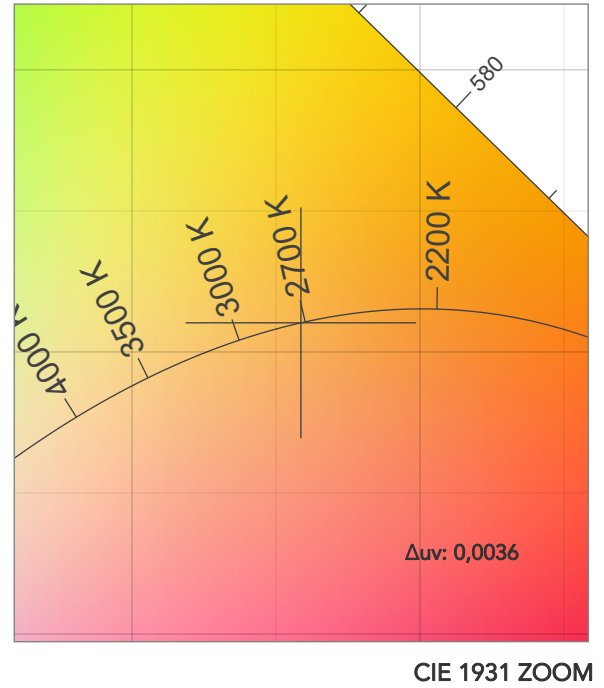
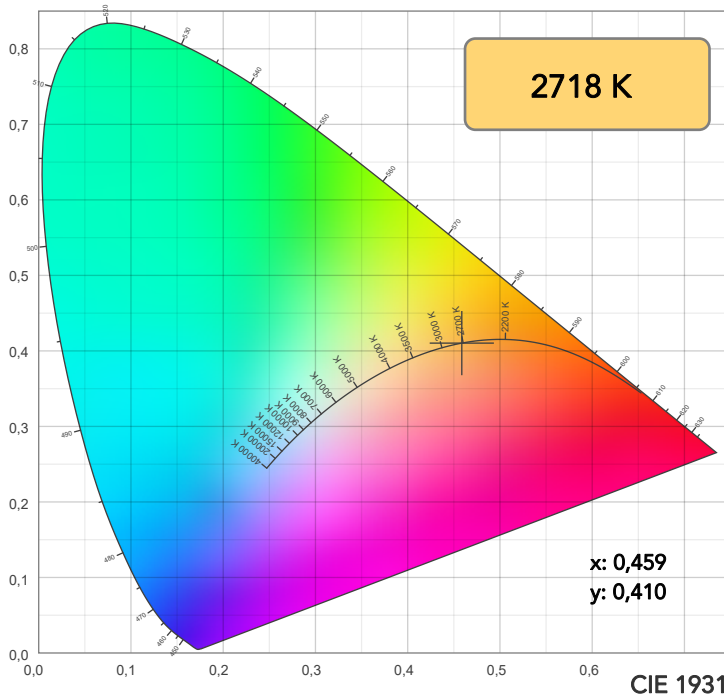
Field angle 10%: 18,3°

Cut off angle 2.5%: 24,7°

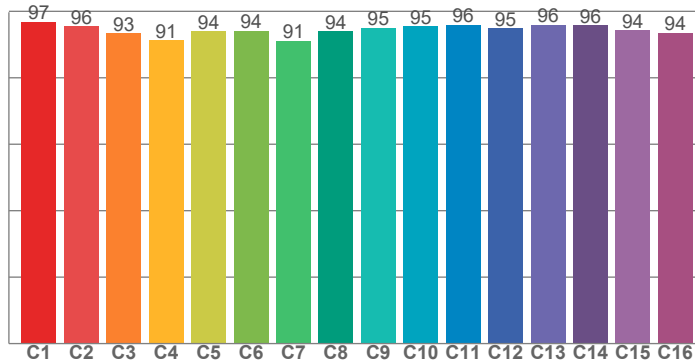
Spectra



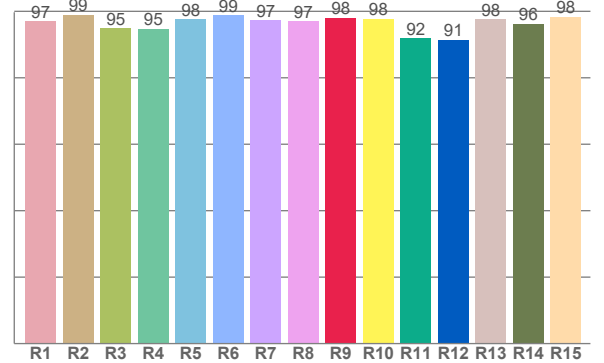
COLOR DETAILS



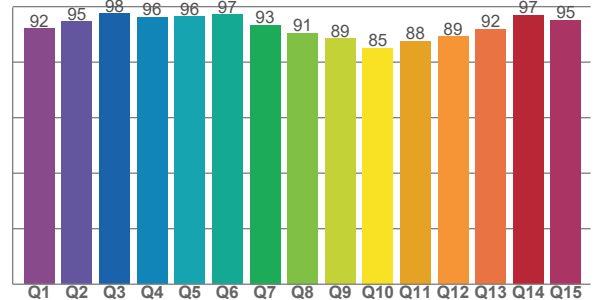
TM30: 94,5



CRI: 97,1 (R1-R8)



CQS: 91,6



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
97,0	99,0	94,9	94,8	97,5	98,9	97,4	97,0	98,1	97,8	92,0	91,4	97,6	96,2	98,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,9	95,5	93,4	91,2	94,0	94,1	91,2	94,0	95,0	95,5	96,0	94,9	95,9	95,8	94,3	93,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,2	94,6	97,6	96,2	96,4	97,1	93,4	90,6	88,6	85,1	87,6	89,2	91,8	96,9	95,3

COLOR PARAMETERS

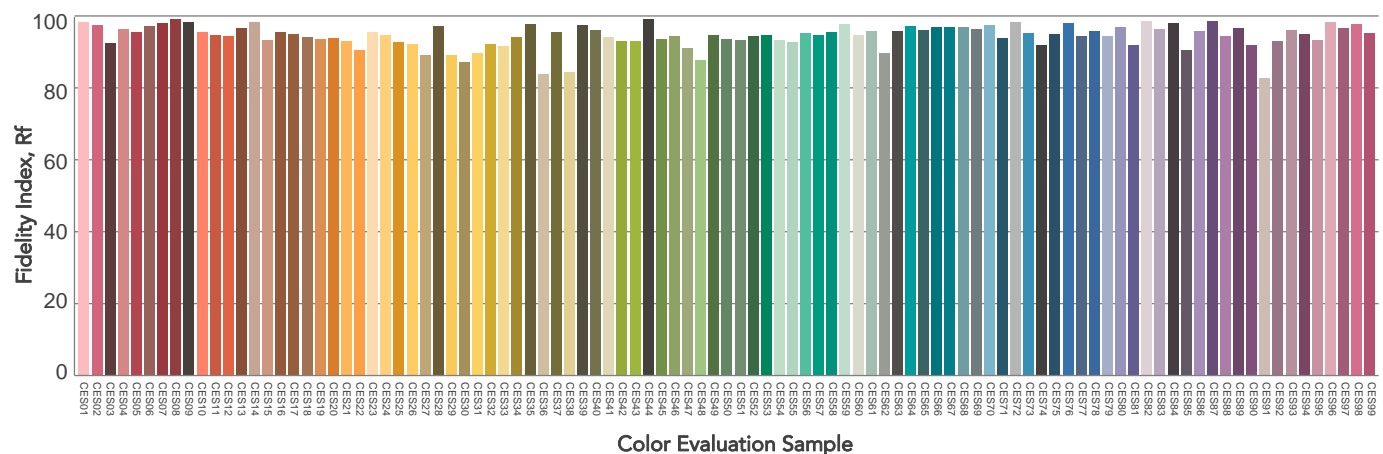
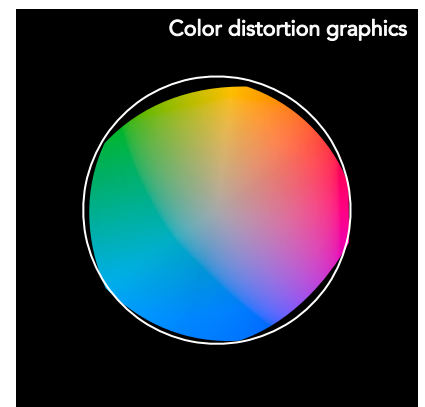
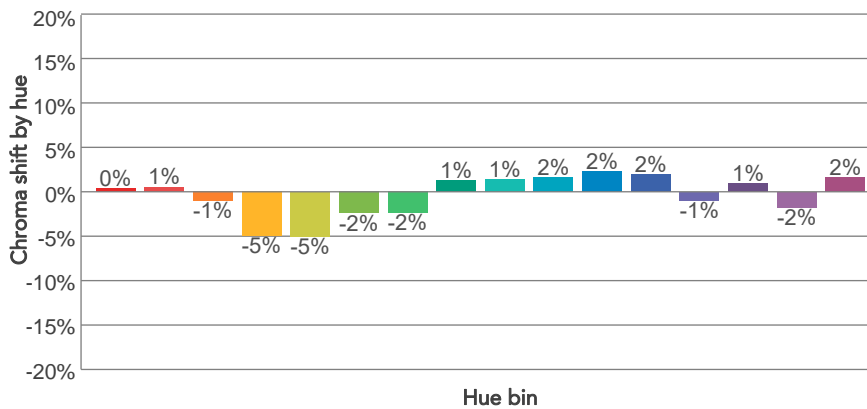
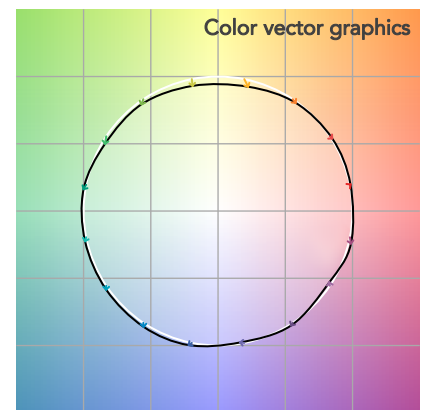
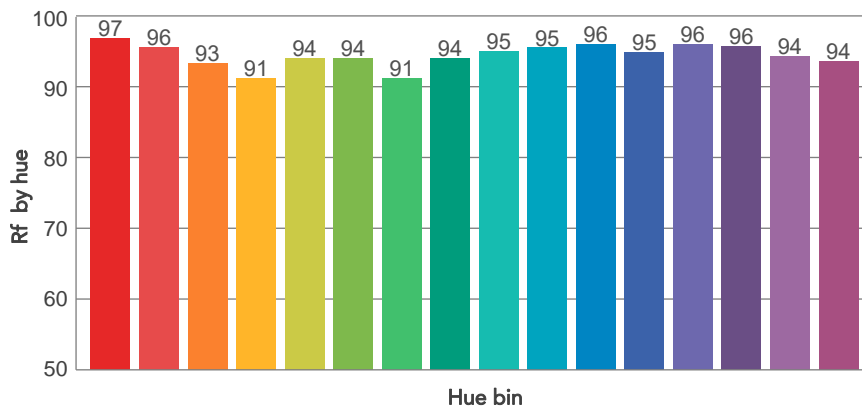
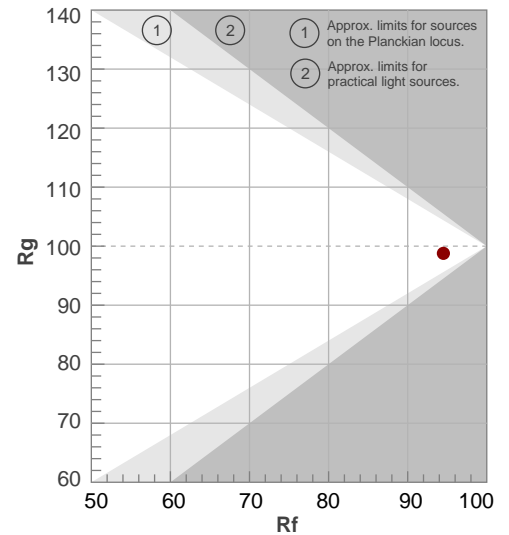
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2718 K	97,1	98,1	94,5	98,8	91,6	98	0,459	0,410	0,0036

TM30 DETAILS

Rf 94,5
Fidelity index Rf

Rg 98,8
Gammut index

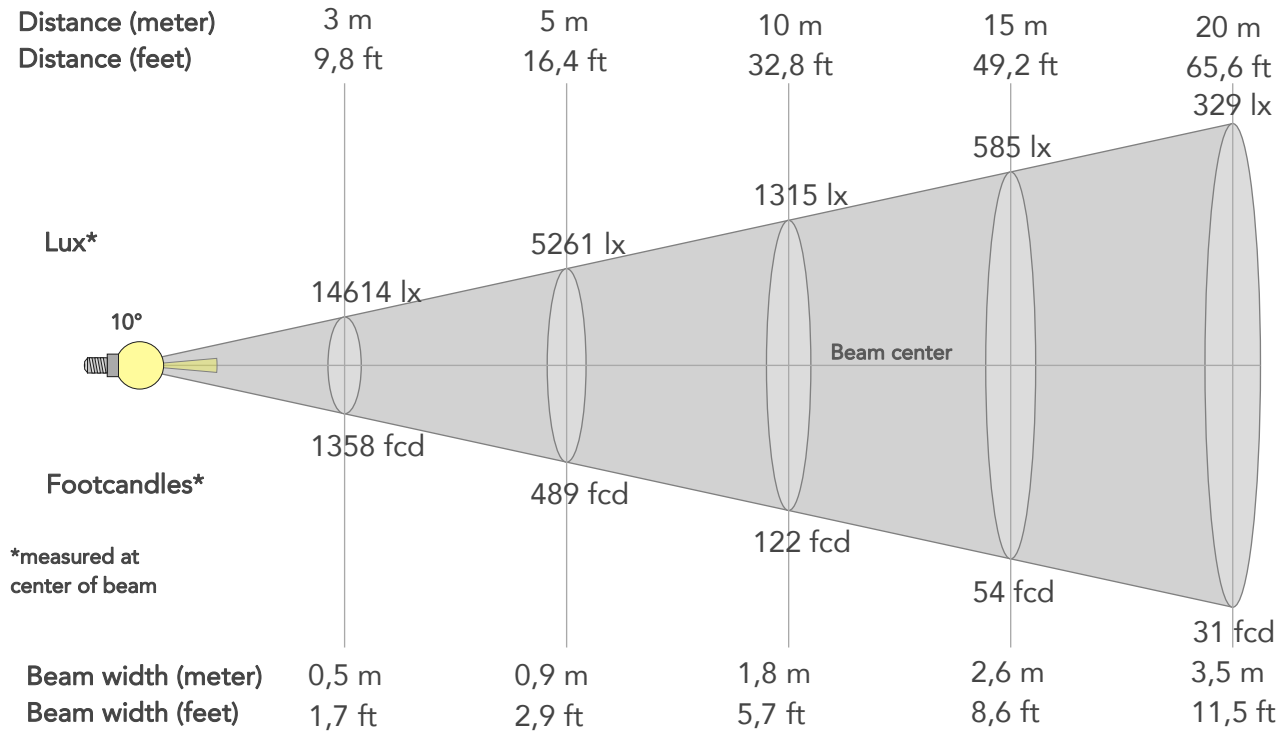
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	97	0%	0%
2	96	1%	-2%
3	93	-1%	-3%
4	91	-5%	-4%
5	94	-5%	0%
6	94	-2%	3%
7	91	-2%	5%
8	94	1%	4%
9	95	1%	3%
10	95	2%	2%
11	96	2%	2%
12	95	2%	-2%
13	96	-1%	-3%
14	96	1%	-2%
15	94	-2%	2%
16	94	2%	-4%



BEAM DETAILS



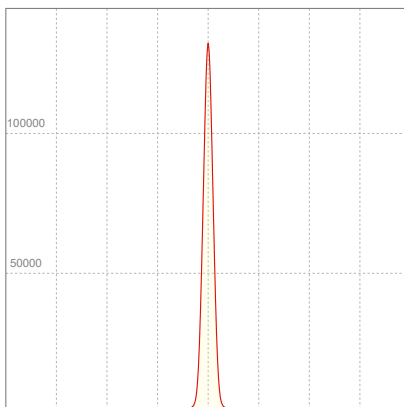
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	18,3°	24,7°	90,8%	86,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	131529lx	32882lx	14614lx	8221lx	5261lx	2338lx	1315lx	585lx	329lx	210lx	146lx	82lx	53lx
Footcand.	12219fcd	3055fcd	1358fcd	764fcd	489fcd	217fcd	122fcd	54fcd	31fcd	20fcd	14fcd	8fcd	5fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,5ft	14,4ft	17,2ft	23ft	28,7ft

LINEAR DISTRIBUTION DIAGRAM

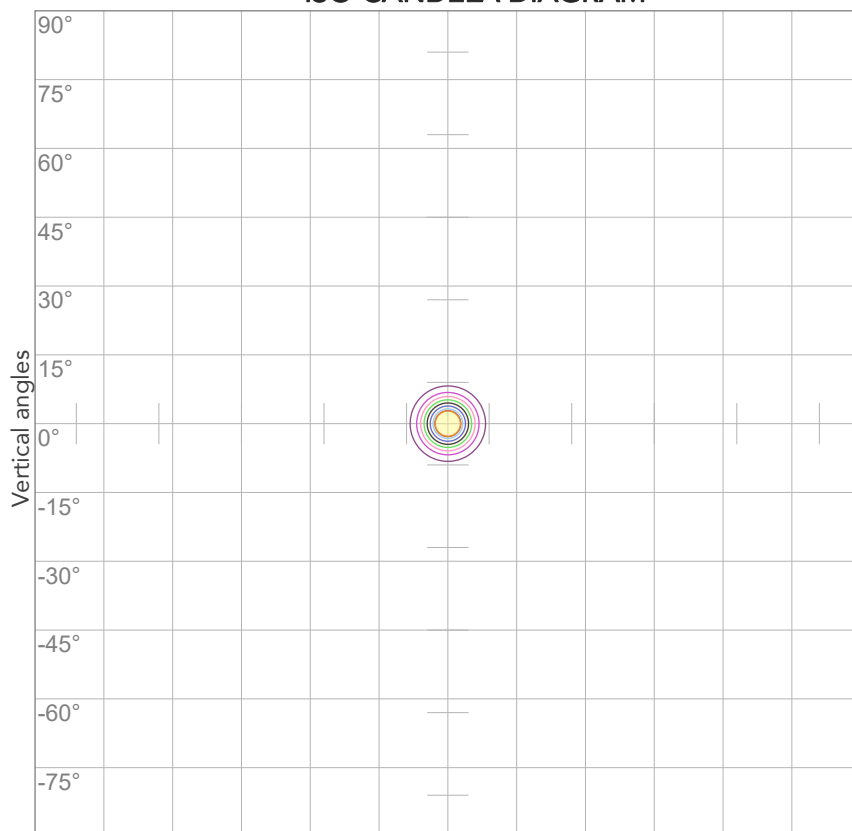


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,565A	125,1W	0,97	54lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



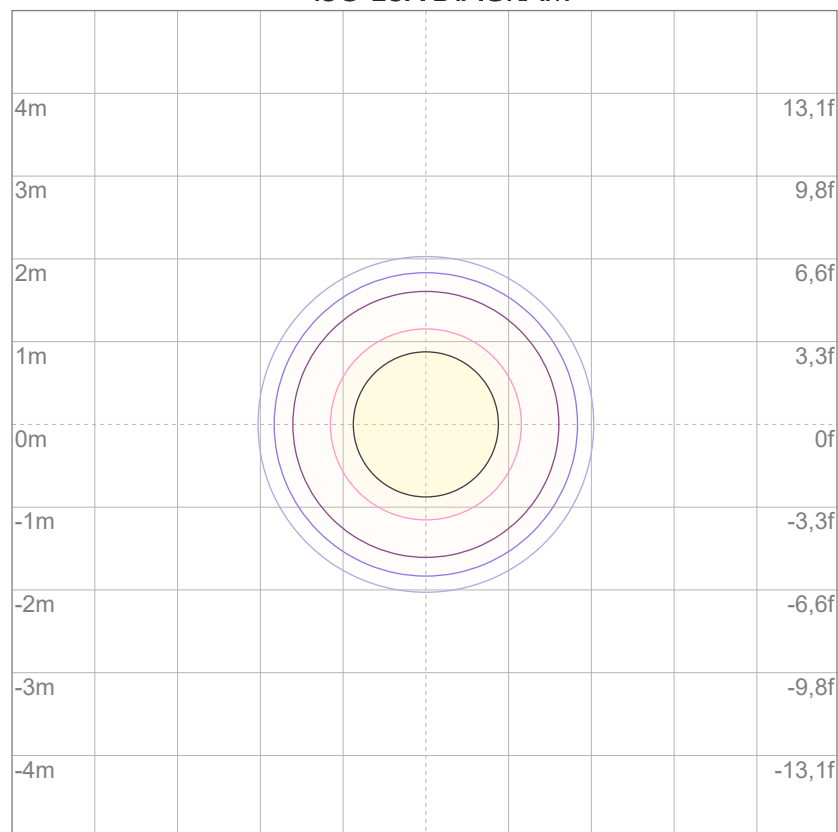
10%	13153 cd
20%	26306 cd
30%	39459 cd
40%	52612 cd
50%	65765 cd
60%	78917 cd
70%	92070 cd
80%	105223 cd

Conditions:

Number of c-planes: 2

Candela at center: 131529 cd

ISO LUX DIAGRAM



3%	39,5 lx
5%	65,8 lx
10%	132 lx
30%	395 lx
50%	658 lx

Conditions:

Number of c-planes: 2

Lux at center: 1315 lx

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



Total lumen output:

5548 lm

Peak candela output:

23054 cd

Light quality:

CRI: 97,0

Color temperature:

2688 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

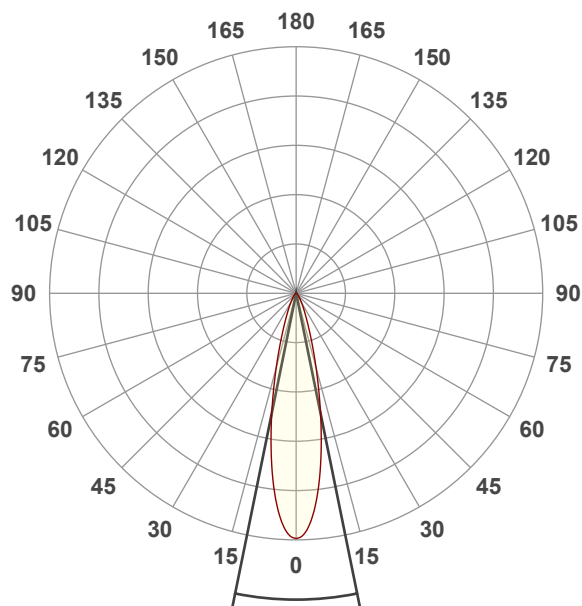
2700K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 15:57:08

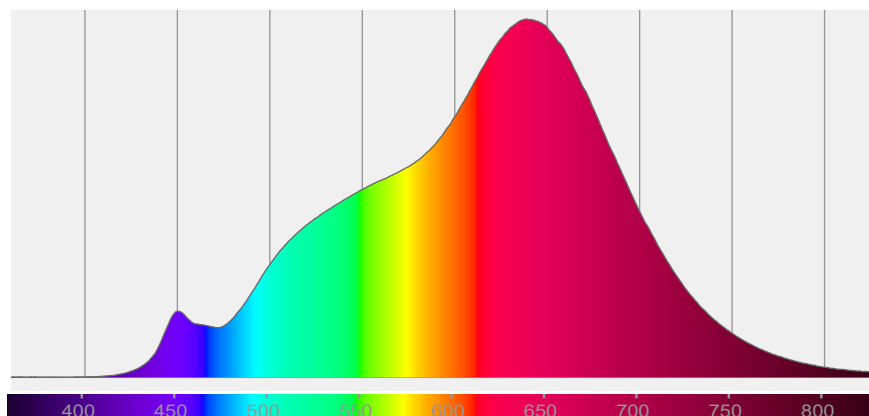


Beam angle 50%: 23°

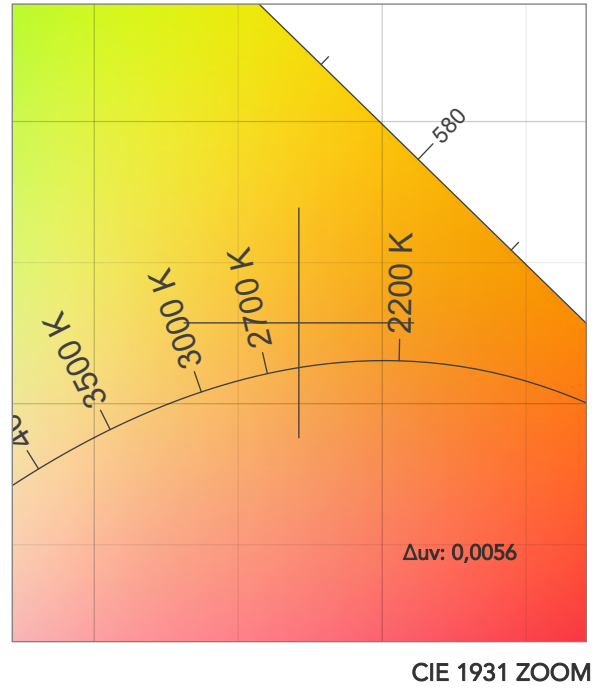
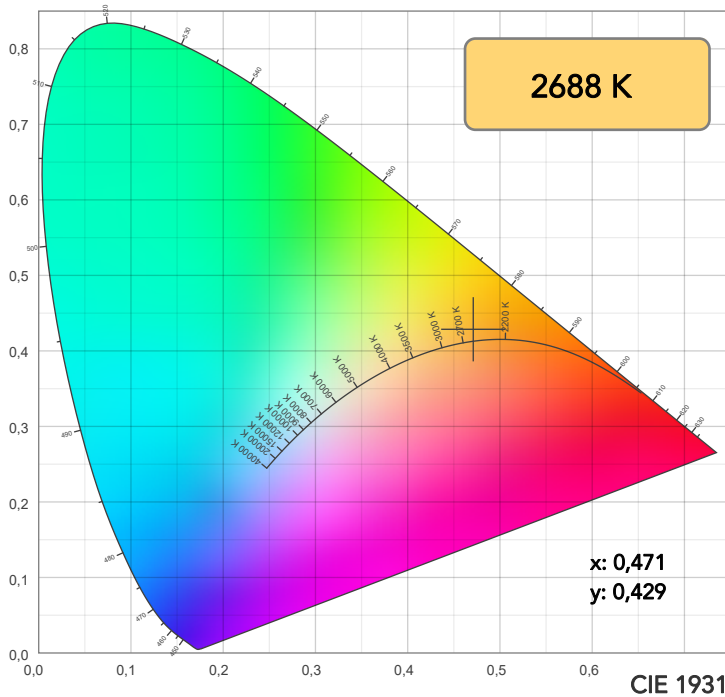
Field angle 10%: 45,9°

Cut off angle 2.5%: 70,9°

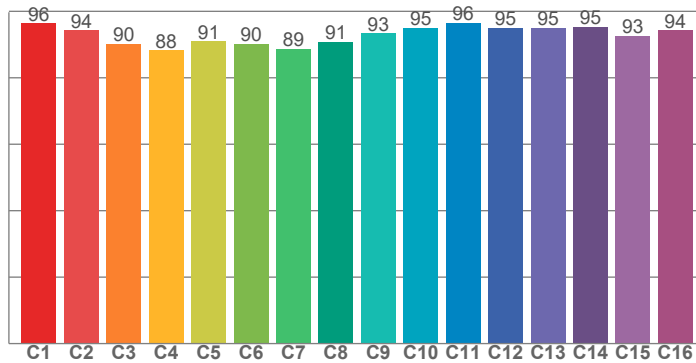
Spectra



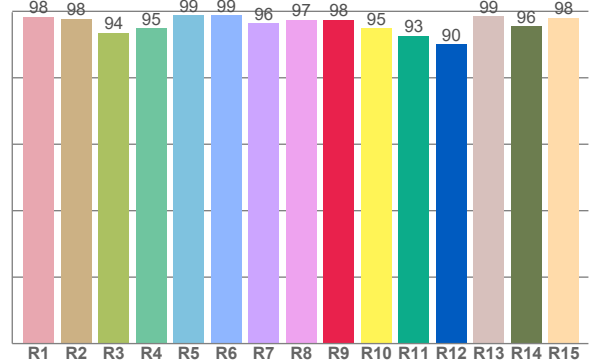
COLOR DETAILS



TM30: 93,0



CRI: 97,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	97,8	93,6	95,0	98,8	98,9	96,4	97,5	97,5	94,8	92,7	90,2	98,5	95,5	98,0

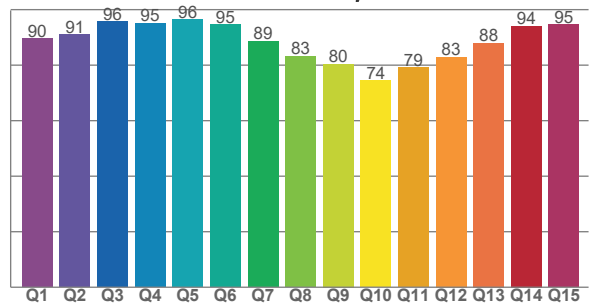
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,4	94,3	90,1	88,2	91,0	90,2	88,6	90,8	93,4	95,0	96,5	95,1	95,1	95,4	92,6	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,5	91,0	95,6	95,1	96,4	94,6	88,6	83,2	80,5	74,5	79,1	82,9	87,9	94,1	94,7

CQS: 86,3



COLOR PARAMETERS

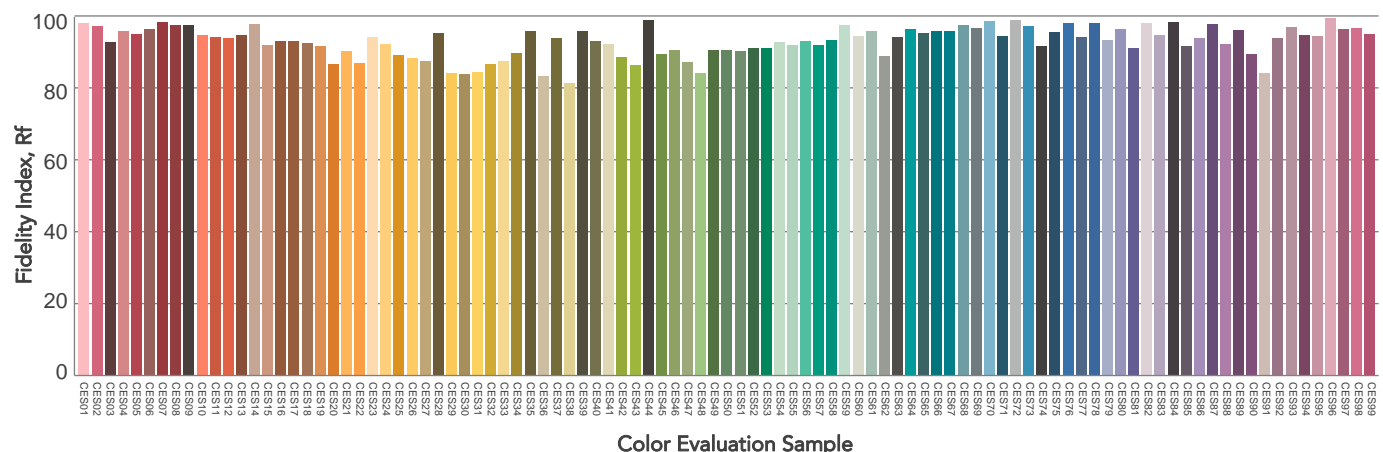
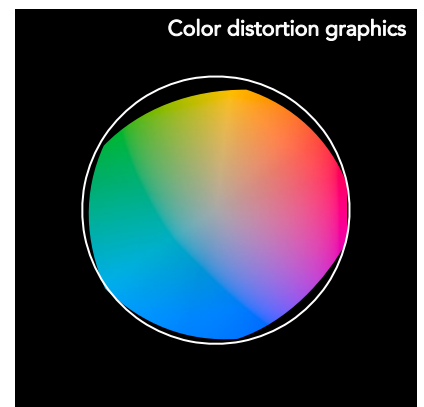
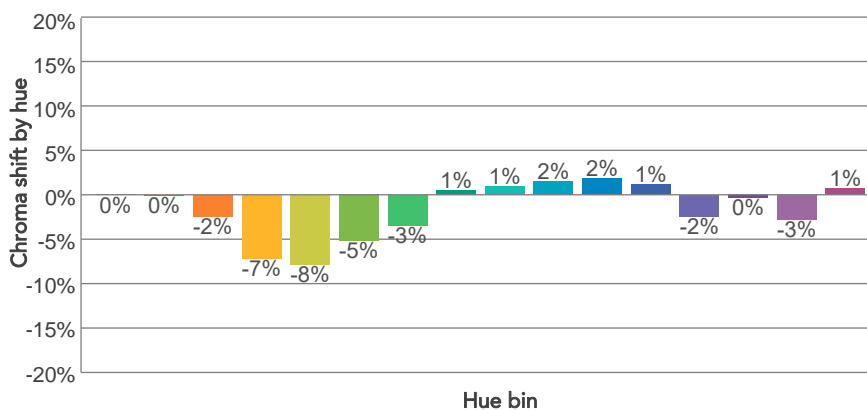
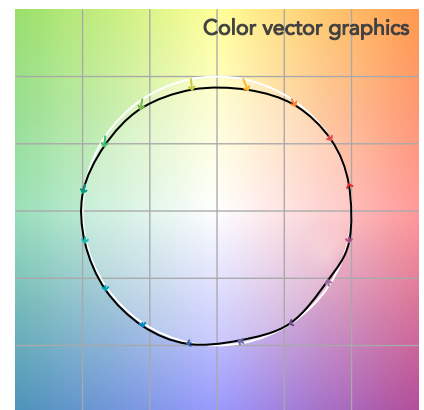
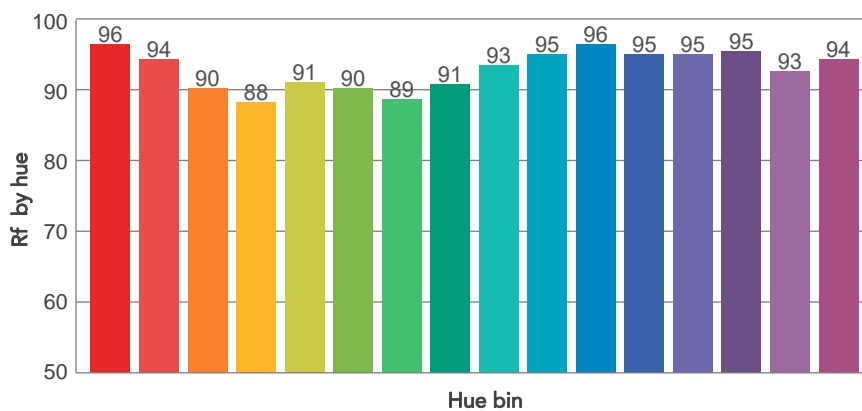
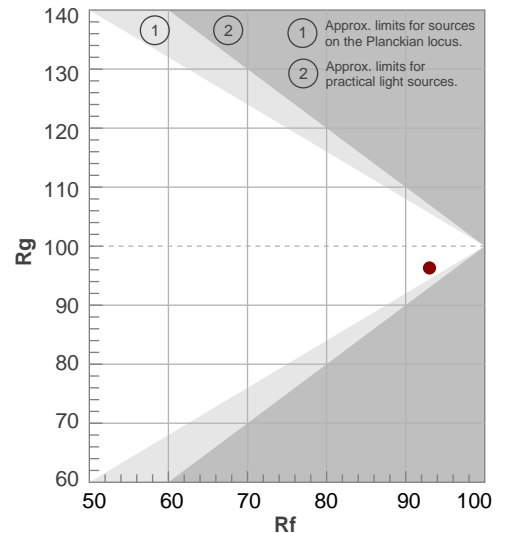
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2688 K	97,0	97,5	93,0	96,3	86,3	97	0,471	0,429	0,0056

TM30 DETAILS

Rf 93,0
Fidelity index Rf

Rg 96,3
Gammut index

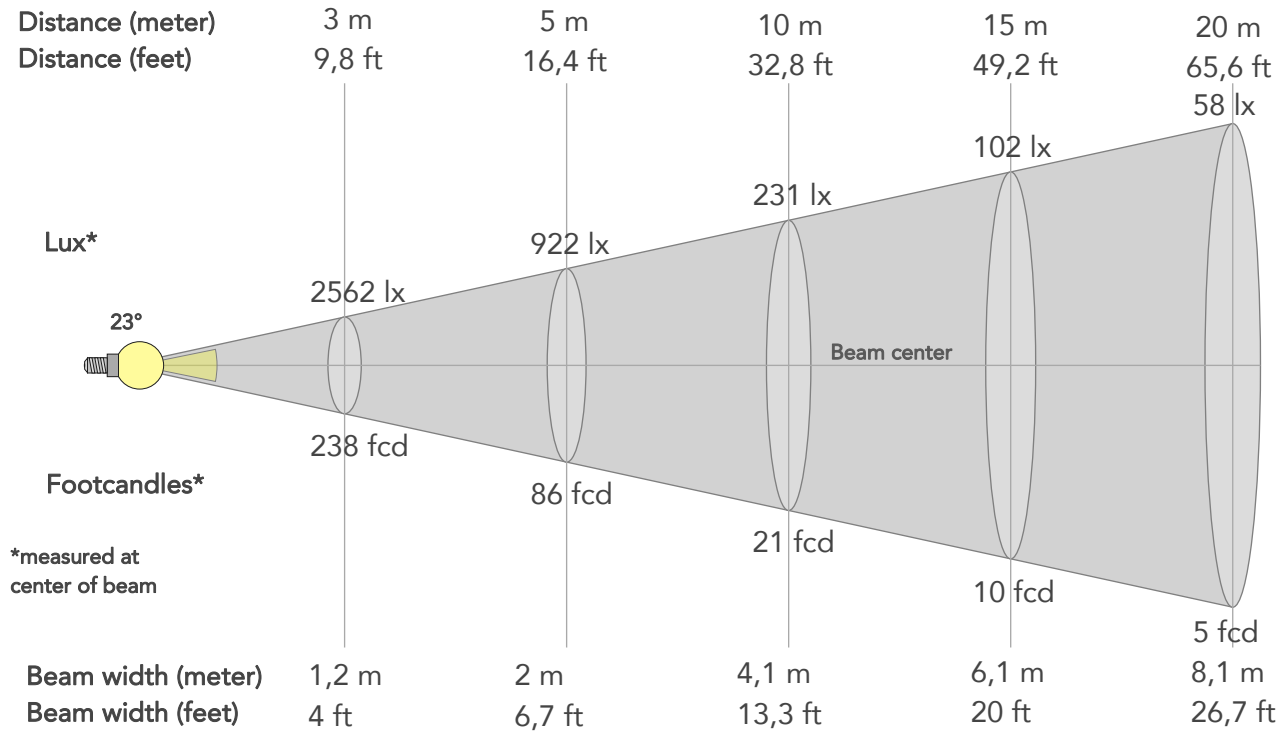
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	0%
2	94	0%	-3%
3	90	-2%	-5%
4	88	-7%	-5%
5	91	-8%	1%
6	90	-5%	5%
7	89	-3%	6%
8	91	1%	6%
9	93	1%	4%
10	95	2%	3%
11	96	2%	2%
12	95	1%	-2%
13	95	-2%	-3%
14	95	0%	-2%
15	93	-3%	3%
16	94	1%	-3%



BEAM DETAILS



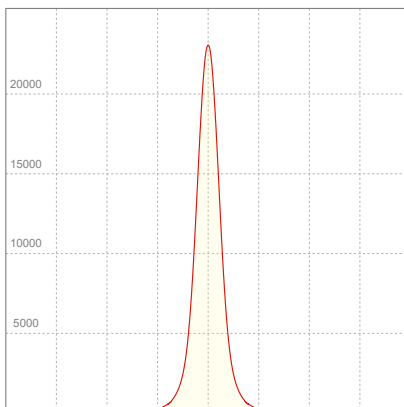
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	45,9°	70,9°	96,5%	92,2%



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	23054lx	5763lx	2562lx	1441lx	922lx	410lx	231lx	102lx	58lx	37lx	26lx	14lx	9lx
Footcand.	2142fcd	535fcd	238fcd	134fcd	86fcd	38fcd	21fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,7ft	33,3ft	40ft	53,3ft	66,7ft

LINEAR DISTRIBUTION DIAGRAM

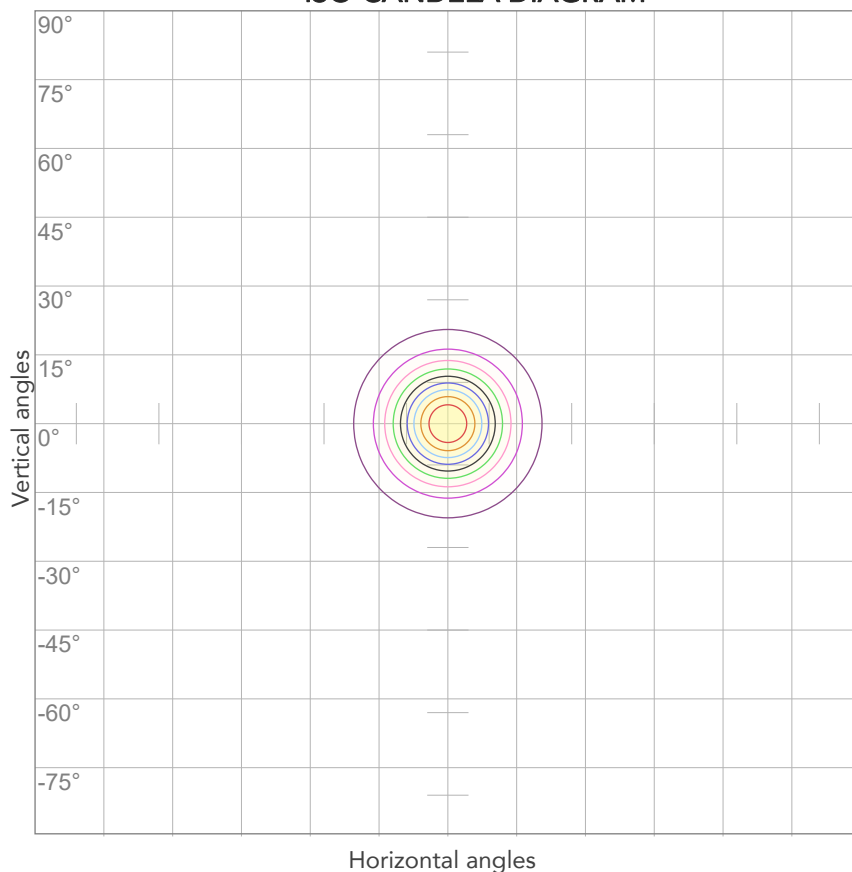


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,578A	126,4W	0,97	44lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



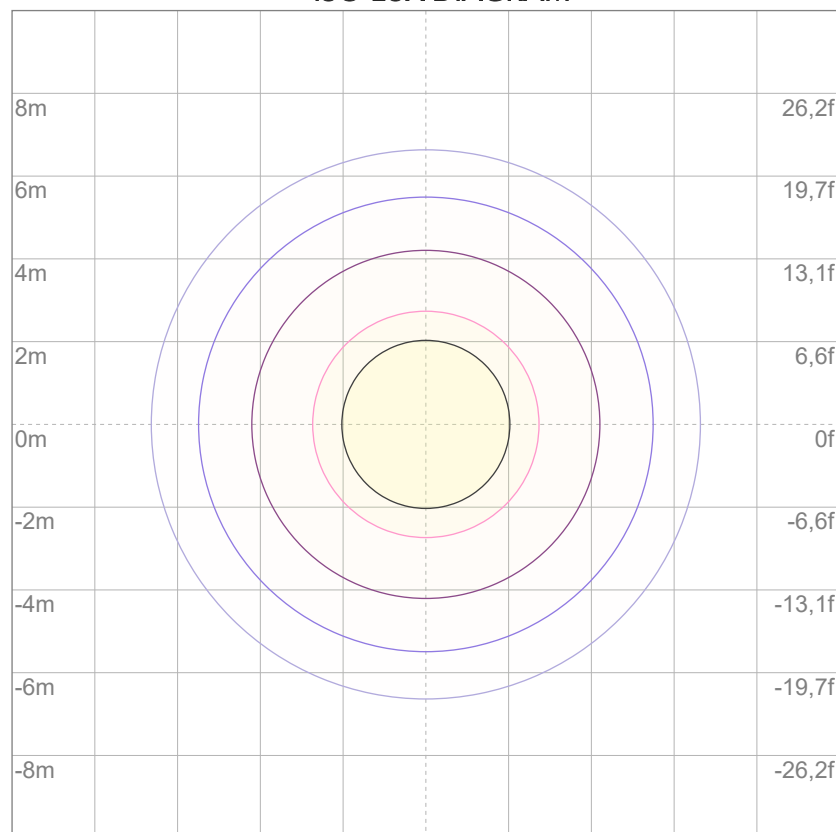
10%	2305 cd
20%	4611 cd
30%	6916 cd
40%	9222 cd
50%	11527 cd
60%	13832 cd
70%	16138 cd
80%	18443 cd

Conditions:

Number of c-planes: 2

Candela at center: 23054 cd

ISO LUX DIAGRAM



3%	6,92 lx
5%	11,5 lx
10%	23,1 lx
30%	69,2 lx
50%	115 lx

Conditions:

Number of c-planes: 2

Lux at center: 231 lx

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



Total lumen output:

5295 lm

Peak candela output:

6763 cd

Light quality:

CRI: 97,3

Color temperature:

2667 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

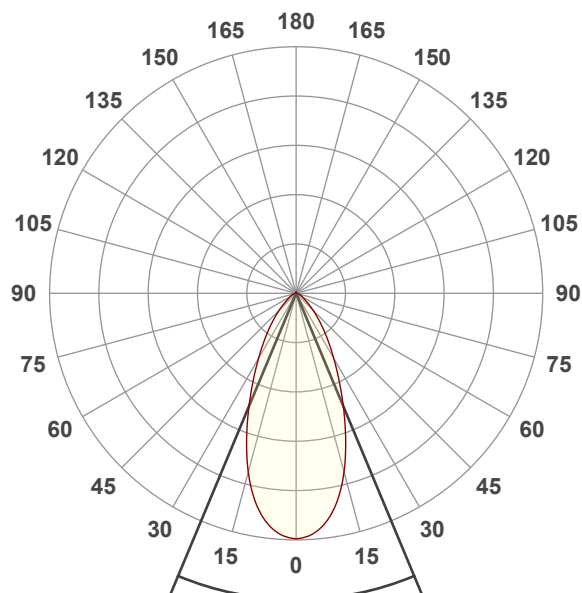
2700K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:01:23

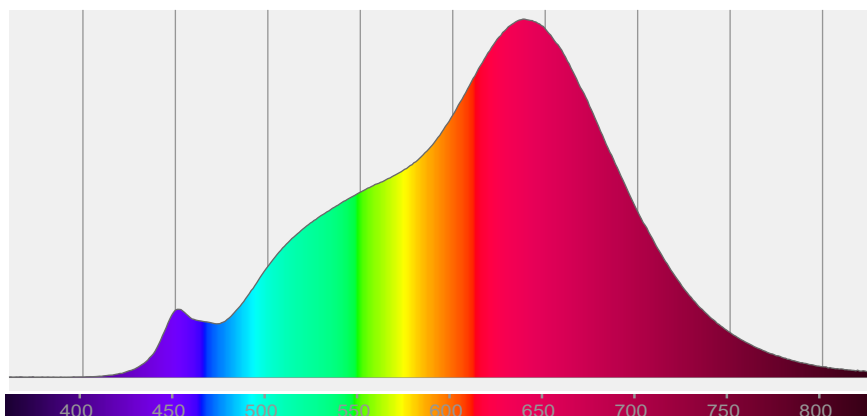


Beam angle 50%: 45,3°

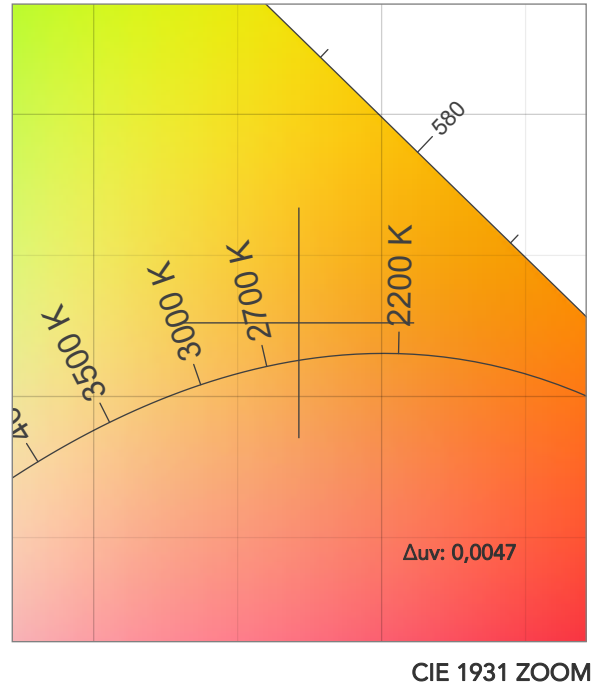
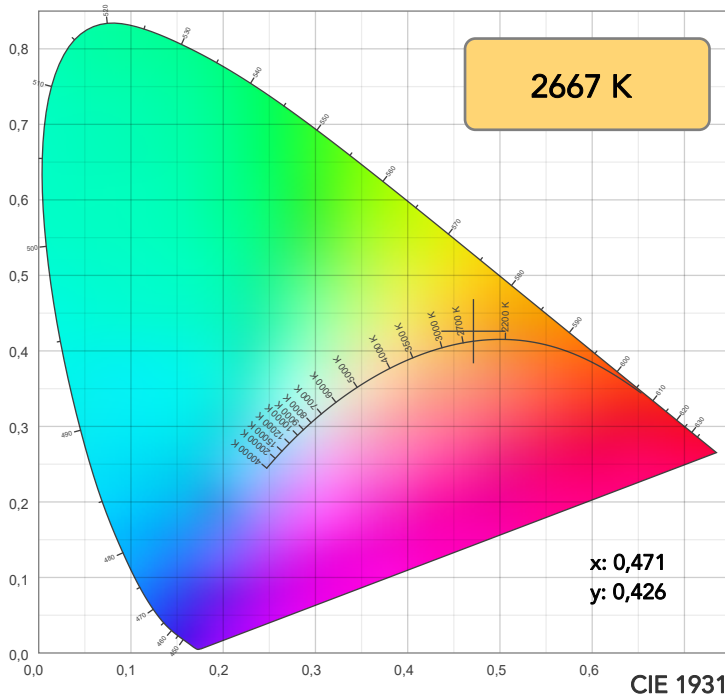
Field angle 10%: 89,4°

Cut off angle 2.5%: 124,8°

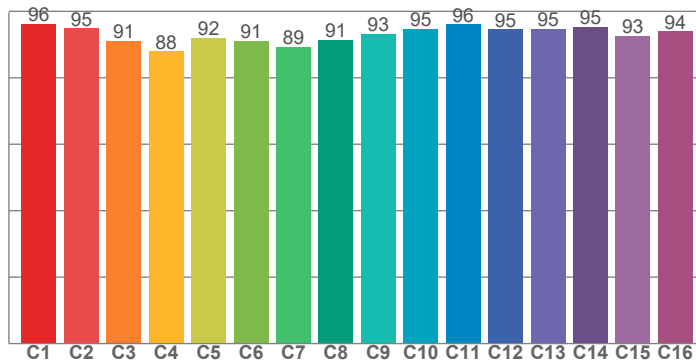
Spectra



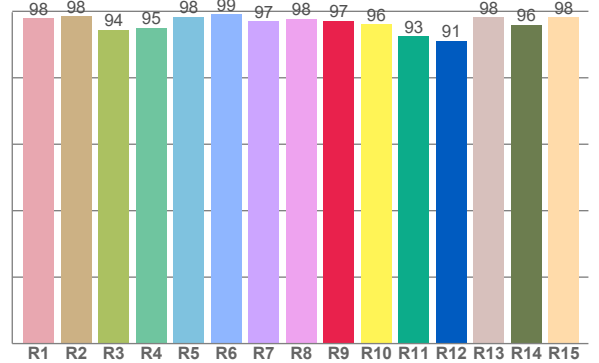
COLOR DETAILS



TM30: 93,2



CRI: 97,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,0	98,4	94,4	95,1	98,4	99,2	97,0	97,8	97,1	96,2	92,5	91,2	98,3	95,9	98,3

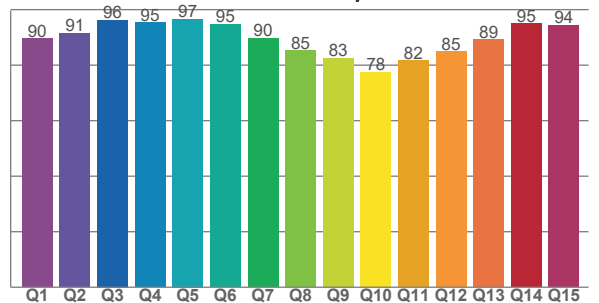
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,3	94,9	91,0	87,9	92,0	91,0	89,3	91,4	93,2	94,7	96,1	94,5	94,8	95,3	92,7	94,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,6	91,5	96,2	95,4	96,6	94,7	89,6	85,2	82,6	77,5	81,6	84,9	89,2	94,9	94,4

CQS: 87,7



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2667 K	97,3	97,1	93,2	96,8	87,7	97	0,471	0,426	0,0047

TM30 DETAILS

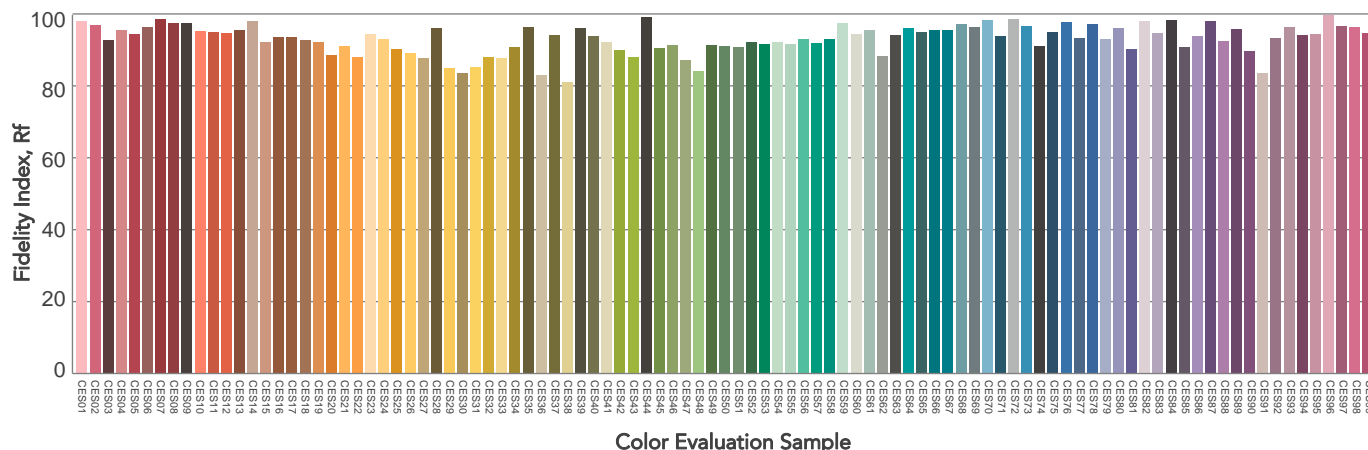
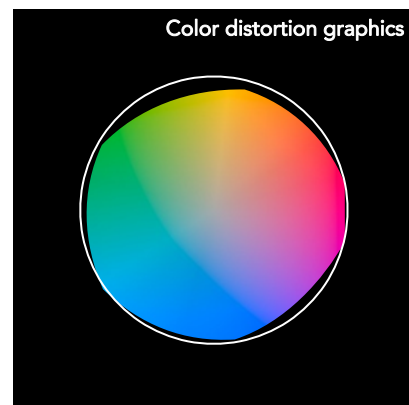
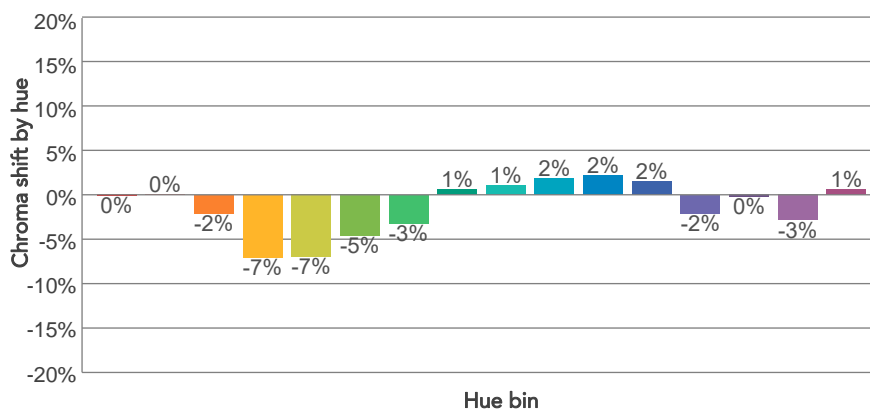
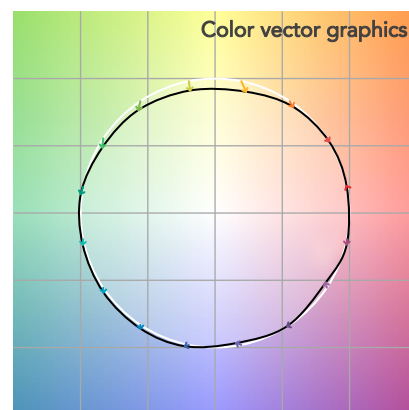
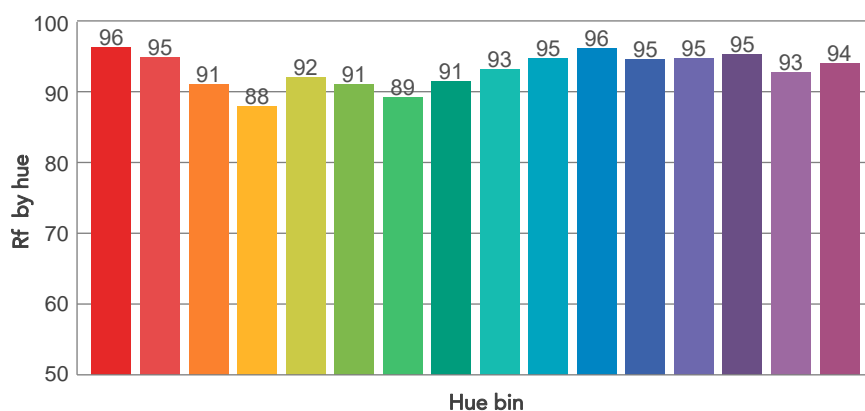
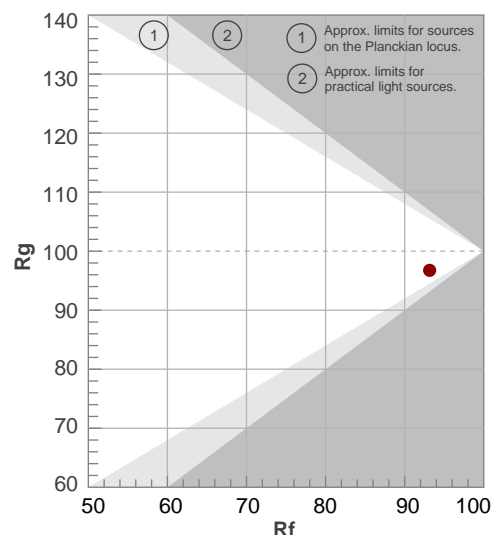
Rf 93,2

Fidelity index Rf

Rg 96,8

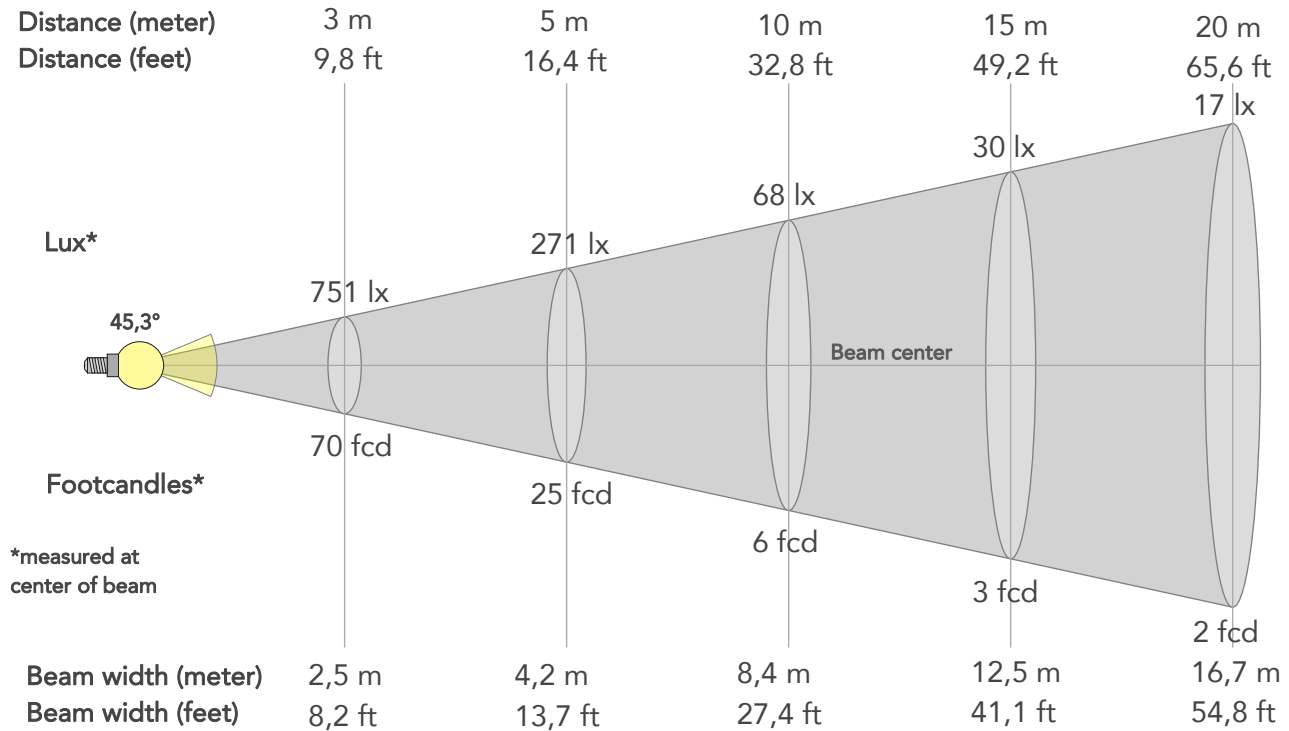
Gammut index

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



BEAM DETAILS

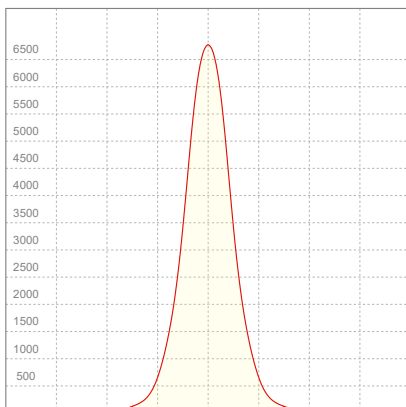
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,3°	89,4°	124,8°	95,3%	86,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6763lx	1691lx	751lx	423lx	271lx	120lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	628fcd	157fcd	70fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,5m	16,7m	20,9m	25,1m	33,4m	41,8m
Beam wid.	2,8ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,4ft	41,1ft	54,8ft	68,5ft	82,2ft	109,6ft	137ft

LINEAR DISTRIBUTION DIAGRAM

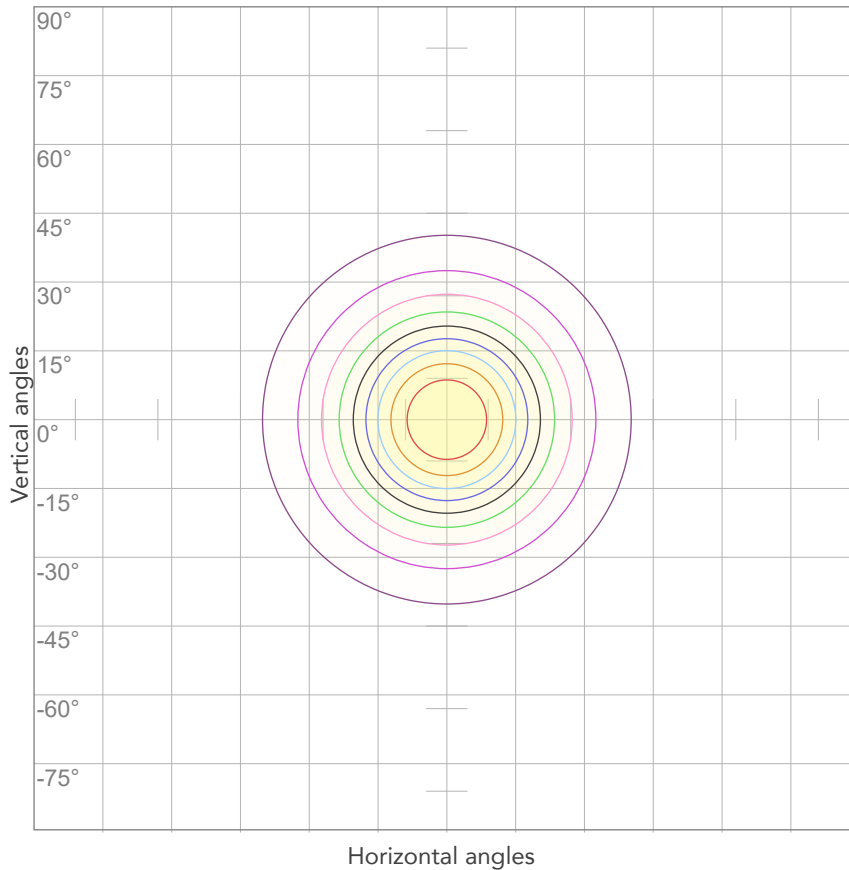


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,559A	123,5W	0,97	43lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



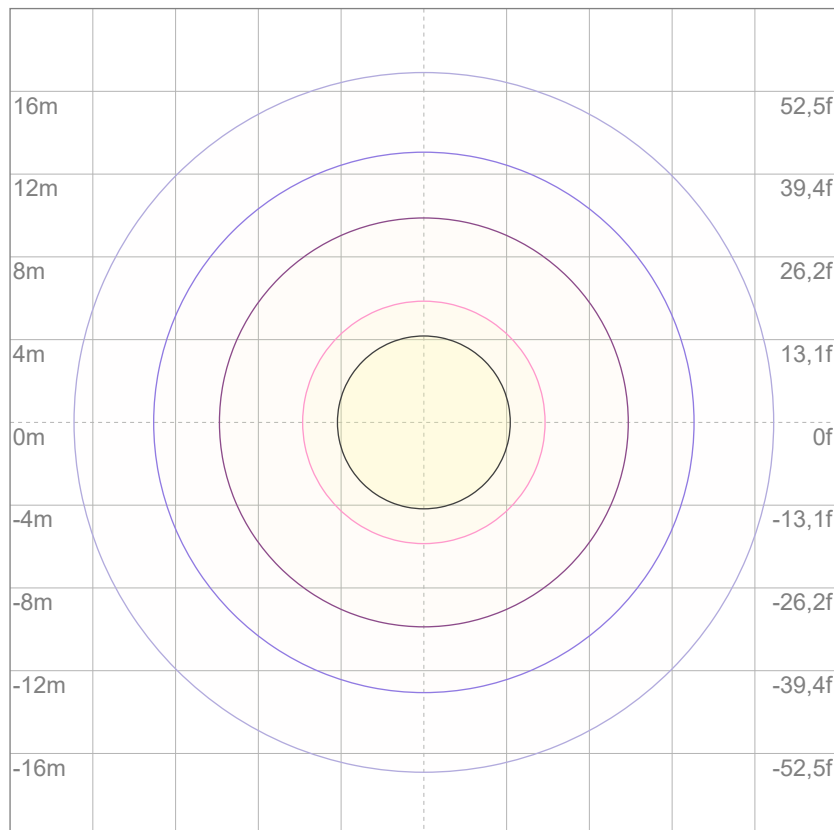
10%	676 cd
20%	1353 cd
30%	2029 cd
40%	2705 cd
50%	3381 cd
60%	4058 cd
70%	4734 cd
80%	5410 cd

Conditions:

Number of c-planes: 2

Candela at center: 6763 cd

ISO LUX DIAGRAM



3%	2,03 lx
5%	3,38 lx
10%	6,76 lx
30%	20,3 lx
50%	33,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 67,6 lx

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



Total lumen output:

5220 lm

Peak candela output:

4824 cd

Light quality:

CRI: 97,2

Color temperature:

2672 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

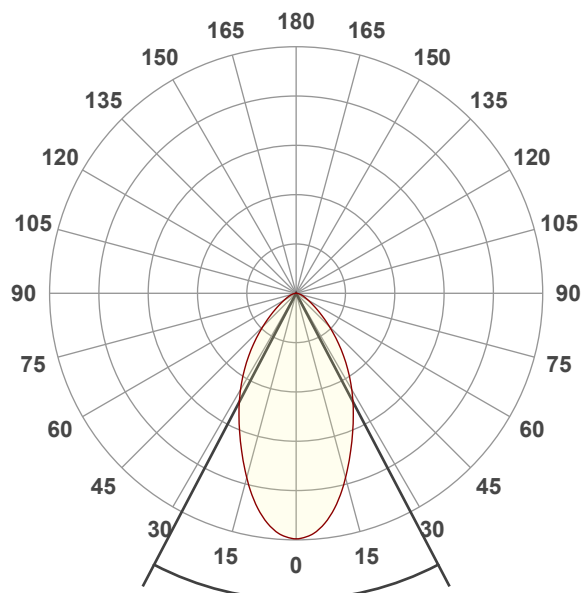
2700K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:09:11

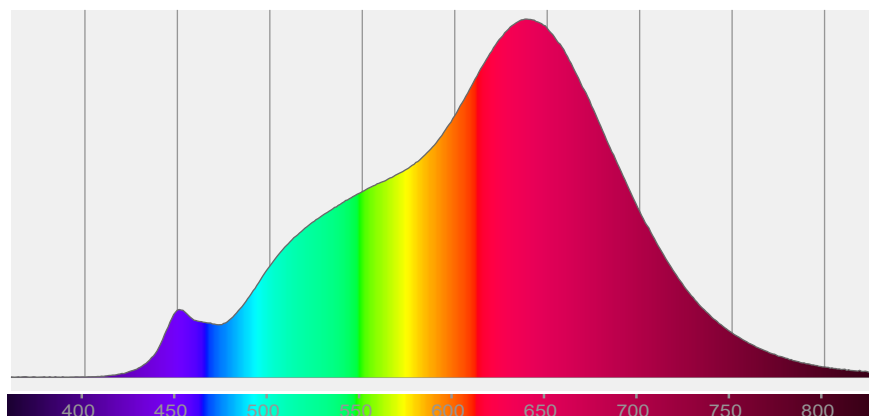


Beam angle 50%: 55,3°

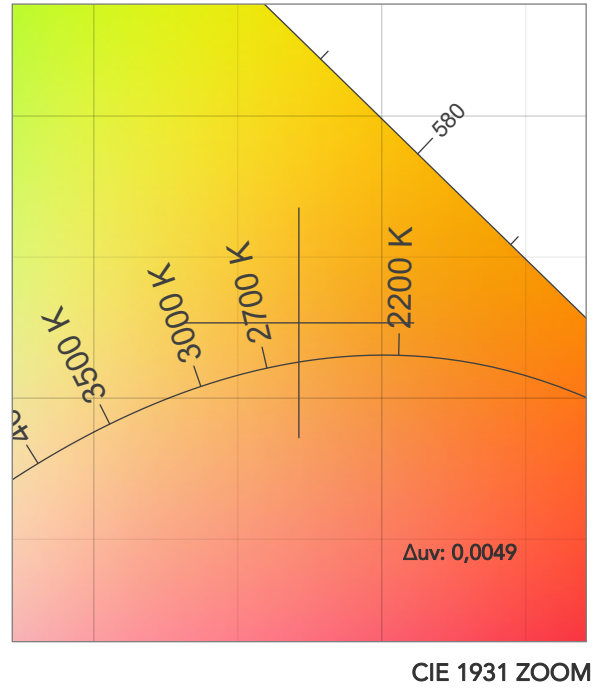
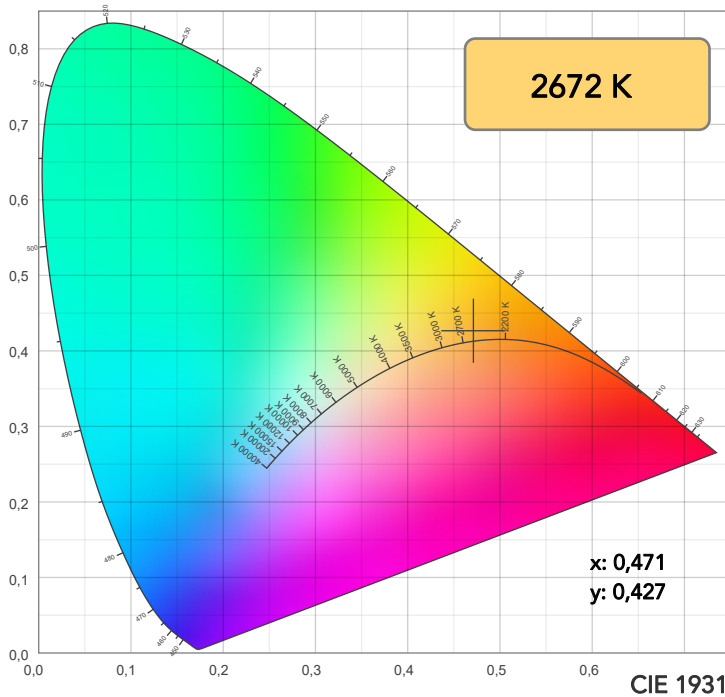
Field angle 10%: 106,5°

Cut off angle 2.5%: 142,6°

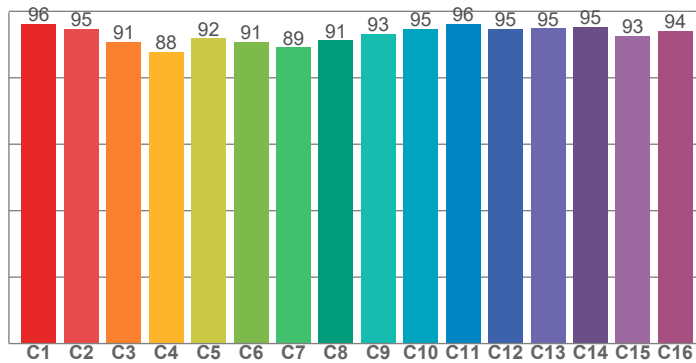
Spectra



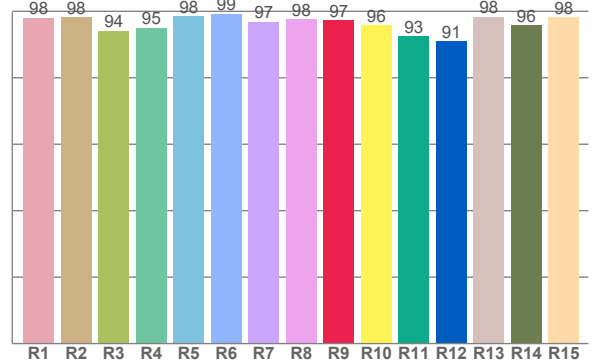
COLOR DETAILS



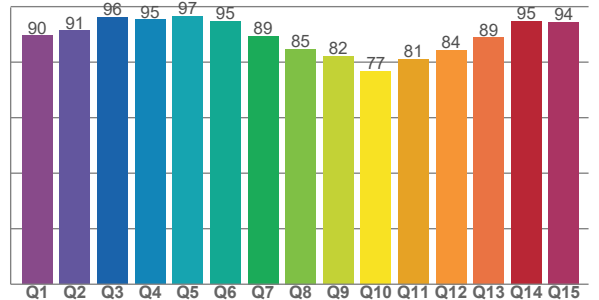
TM30: 93,1



CRI: 97,2 (R1-R8)



CQS: 87,4



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,0	98,3	94,2	95,0	98,5	99,3	96,8	97,7	97,3	95,9	92,5	90,9	98,3	95,8	98,2

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
96,3	94,8	90,8	87,9	91,9	90,9	89,1	91,3	93,3	94,8	96,2	94,7	94,9	95,3	92,7	94,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,6	91,4	96,1	95,3	96,5	94,7	89,4	84,8	82,1	76,8	81,0	84,4	88,9	94,7	94,4

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2672 K	97,2	97,3	93,1	96,7	87,4	97	0,471	0,427	0,0049

TM30 DETAILS

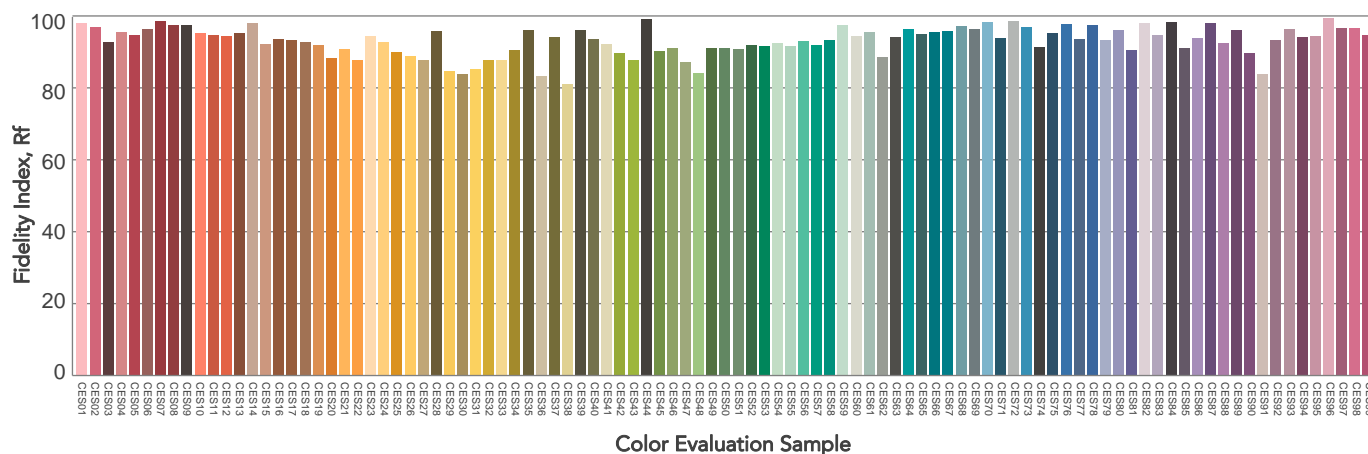
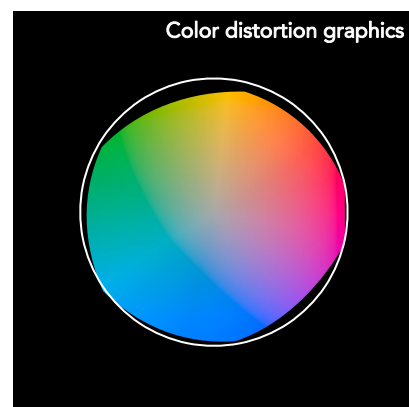
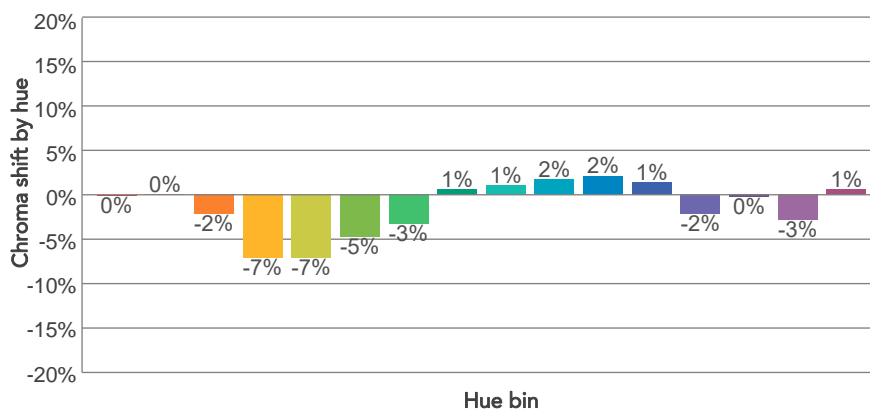
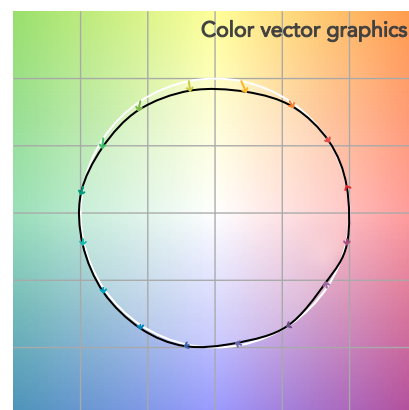
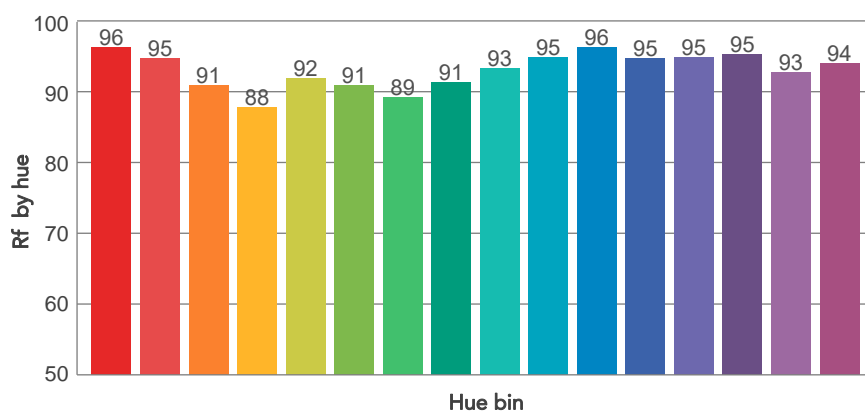
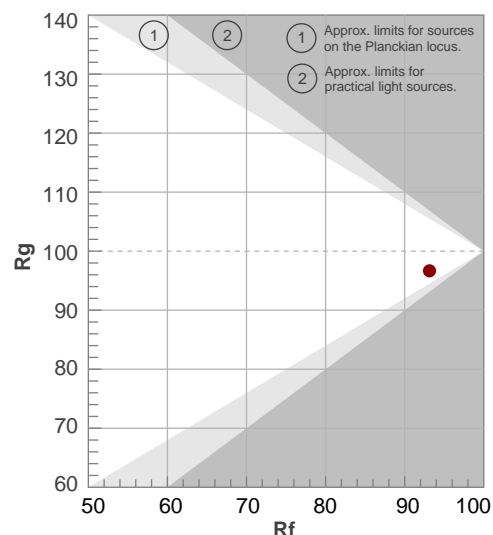
Rf 93,1

Fidelity index Rf

Rg 96,7

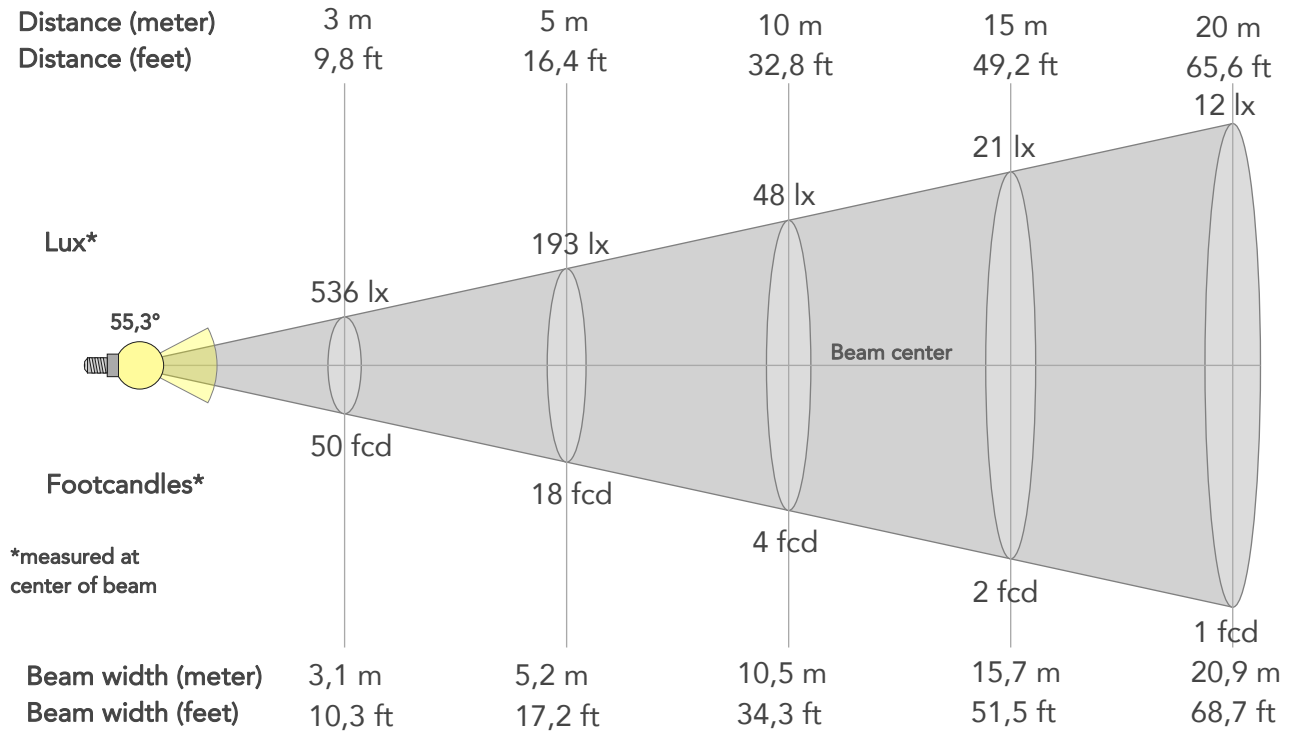
Gammut index

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



BEAM DETAILS

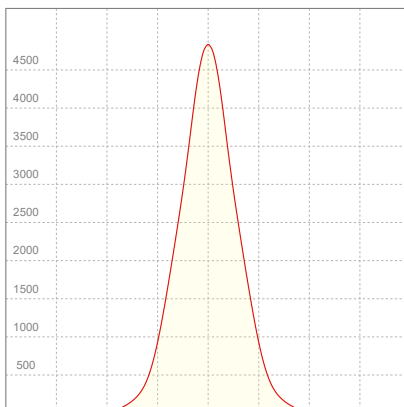
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,3°	106,5°	142,6°	93,6%	80,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	4824lx	1206lx	536lx	302lx	193lx	86lx	48lx	21lx	12lx	8lx	5lx	3lx	2lx
Footcand.	448fcd	112fcd	50fcd	28fcd	18fcd	8fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,9m	10,5m	15,7m	20,9m	26,2m	31,4m	41,9m	52,3m
Beam wid.	3,5ft	6,9ft	10,3ft	13,7ft	17,2ft	25,8ft	34,3ft	51,5ft	68,7ft	85,8ft	103ft	137,4ft	171,7ft

LINEAR DISTRIBUTION DIAGRAM

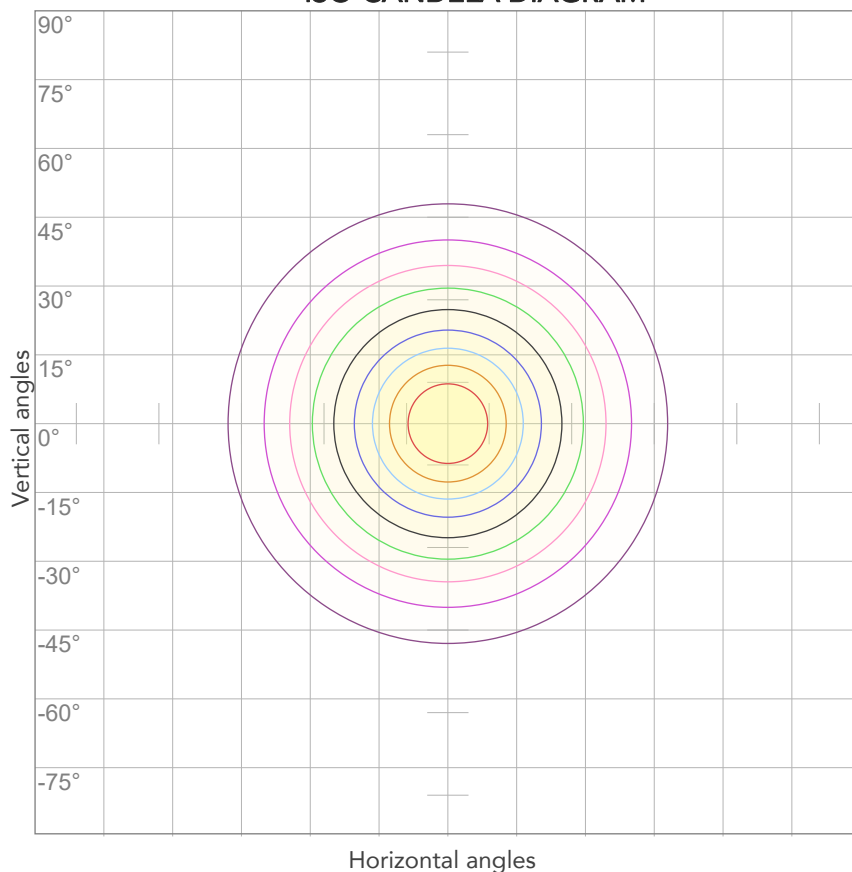


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,561A	124,2W	0,97	42lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



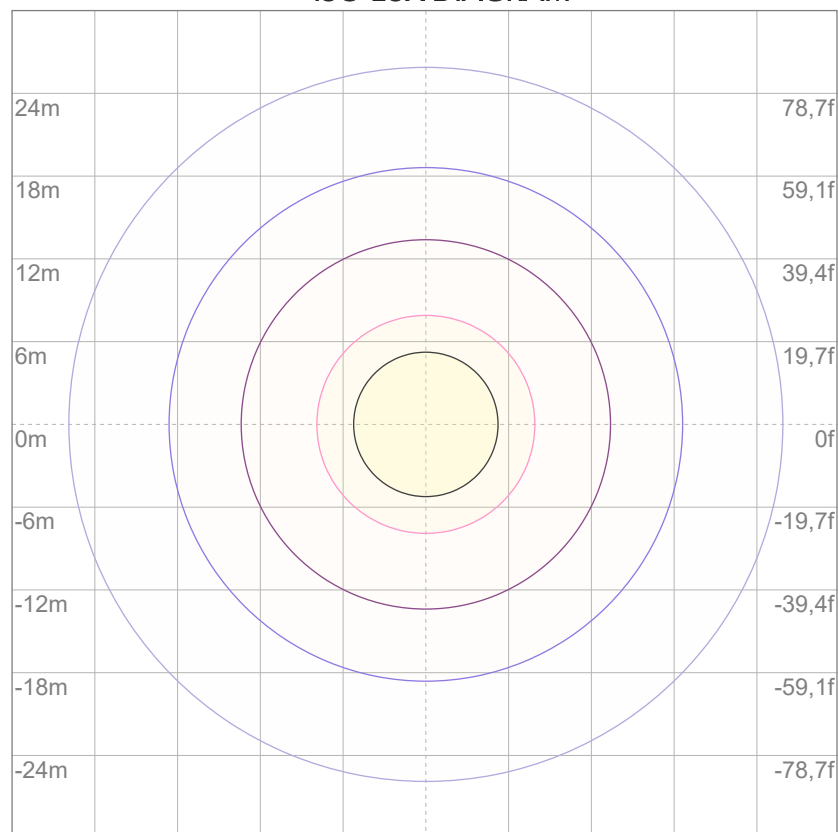
10%	482 cd
20%	965 cd
30%	1447 cd
40%	1930 cd
50%	2412 cd
60%	2894 cd
70%	3377 cd
80%	3859 cd

Conditions:

Number of c-planes: 2

Candela at center: 4824 cd

ISO LUX DIAGRAM



3%	1,45 lx
5%	2,41 lx
10%	4,82 lx
30%	14,5 lx
50%	24,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 48,2 lx

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



Total lumen output:

7145 lm

Peak candela output:

15371 cd

Light quality:

CRI: 97,3

Color temperature:

2641 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

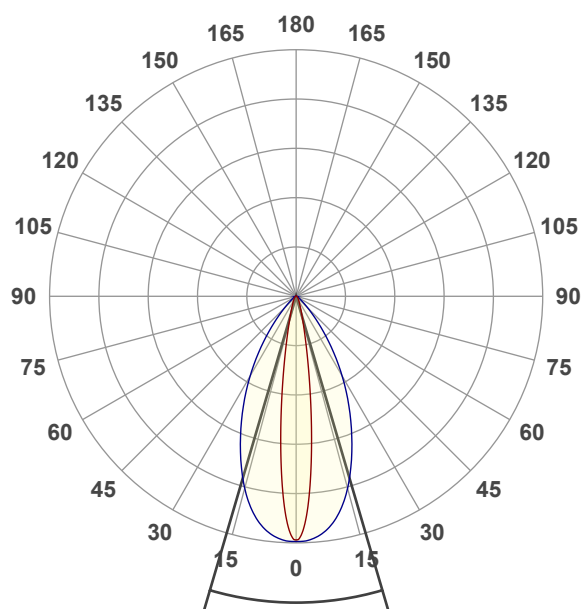
2700K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 18:00:26

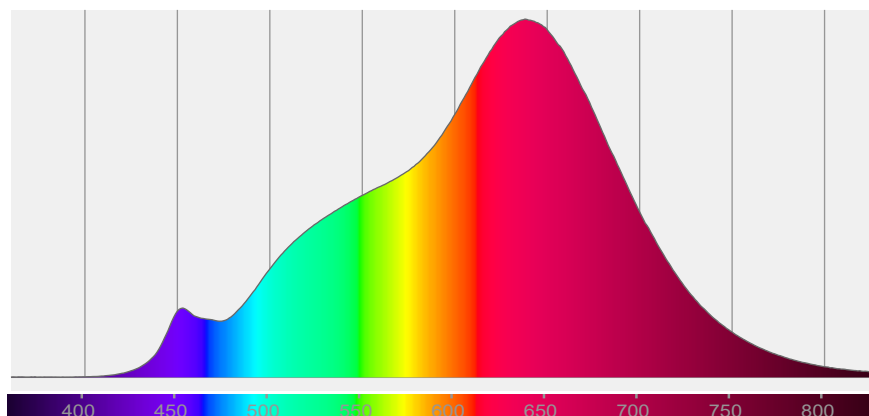


Beam angle 50%: 32,7°

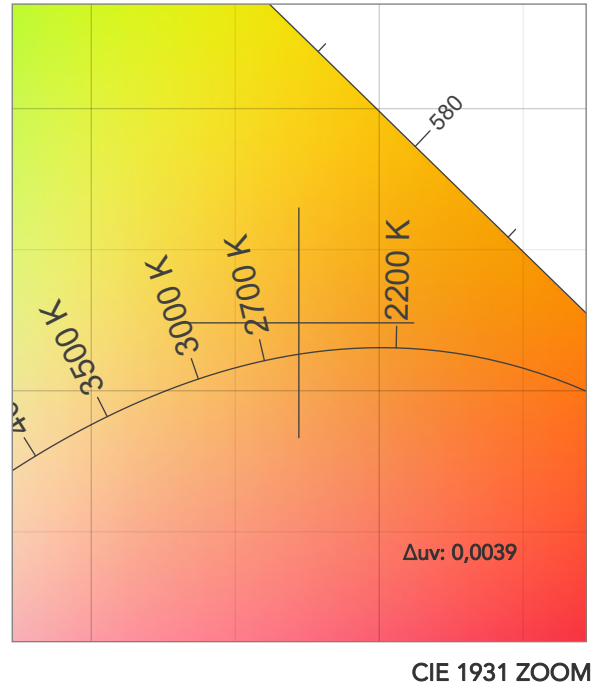
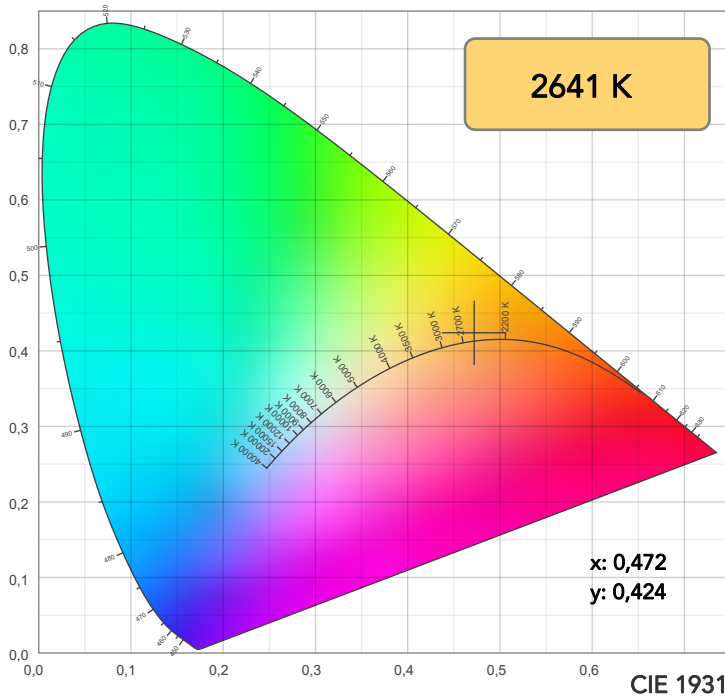
Field angle 10%: 57,8°

Cut off angle 2.5%: 81,1°

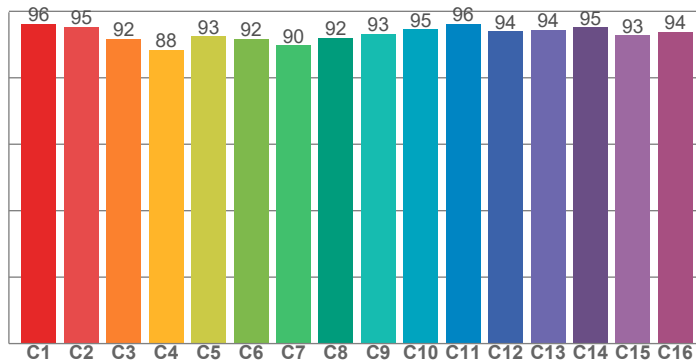
Spectra



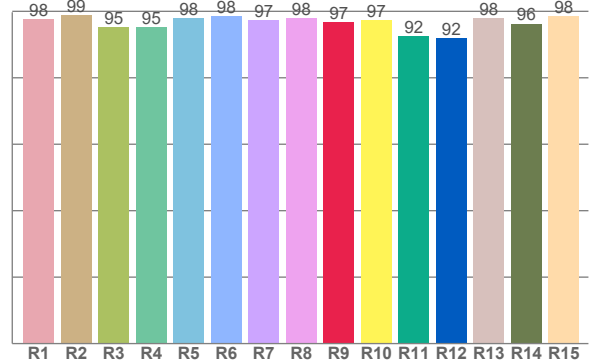
COLOR DETAILS



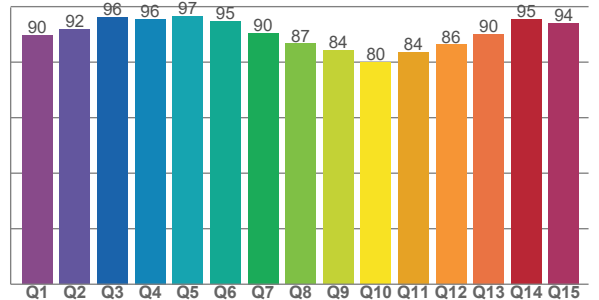
TM30: 93,3



CRI: 97,3 (R1-R8)



CQS: 88,7



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
97,7	98,8	95,2	95,2	97,9	98,5	97,4	98,0	96,6	97,3	92,4	91,9	98,0	96,3	98,4

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	95,3	91,8	88,4	92,5	91,7	89,8	91,9	93,1	94,5	96,2	94,0	94,4	95,1	92,7	93,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,7	91,8	96,2	95,5	96,6	94,7	90,5	86,8	84,3	79,9	83,6	86,4	90,2	95,4	94,1

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
2641 K	97,3	96,6	93,3	97,2	88,7	97	0,472	0,424	0,0039

TM30 DETAILS

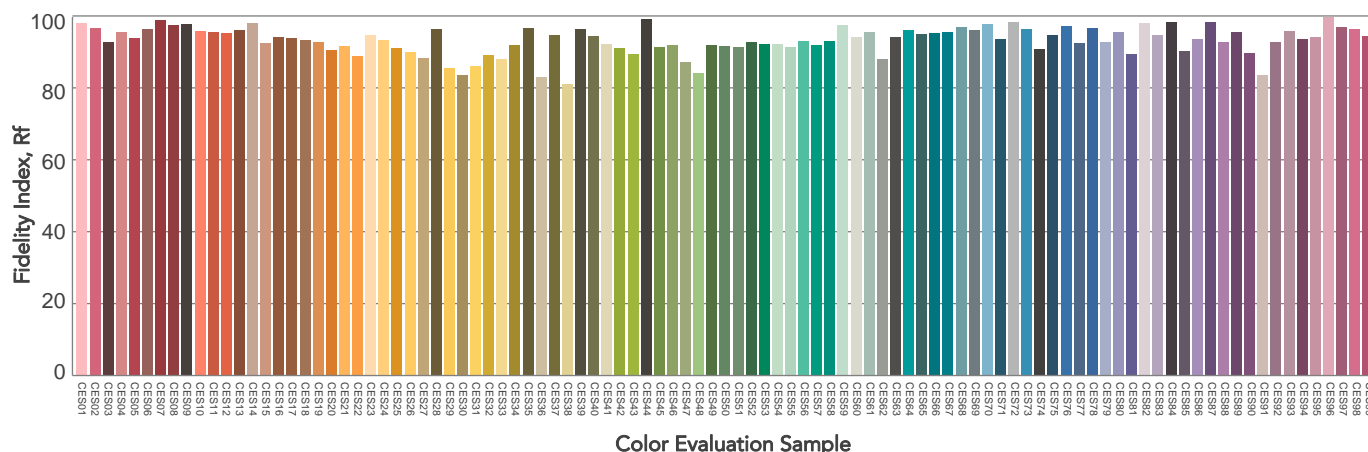
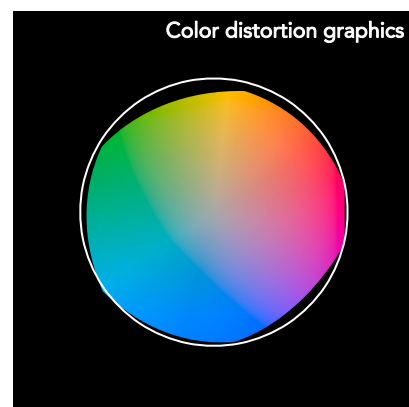
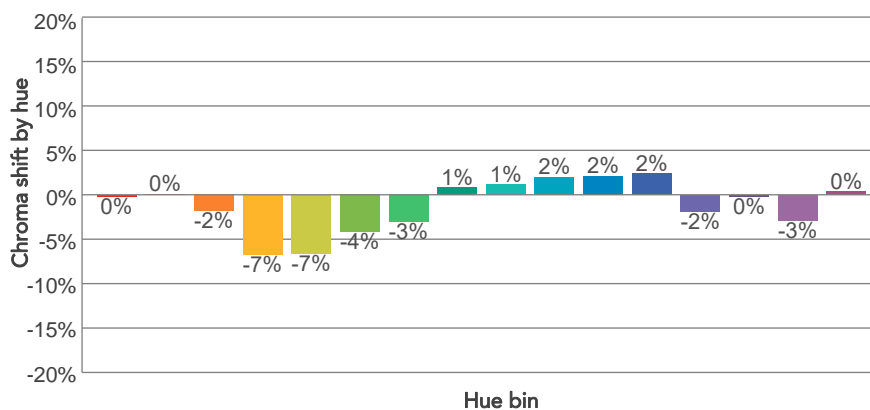
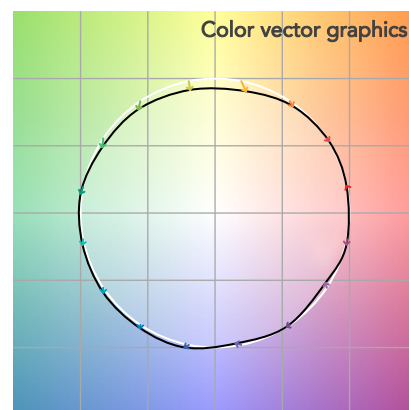
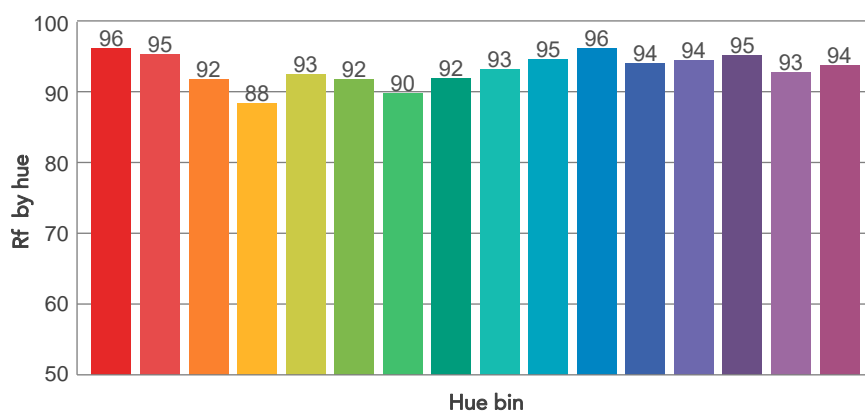
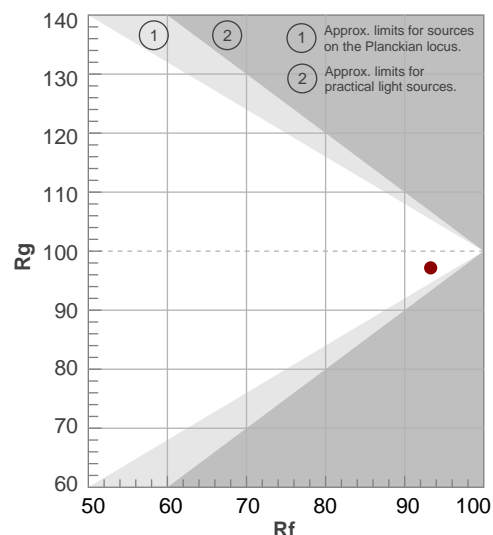
Rf 93,3

Fidelity index Rf

Rg 97,2

Gammut index

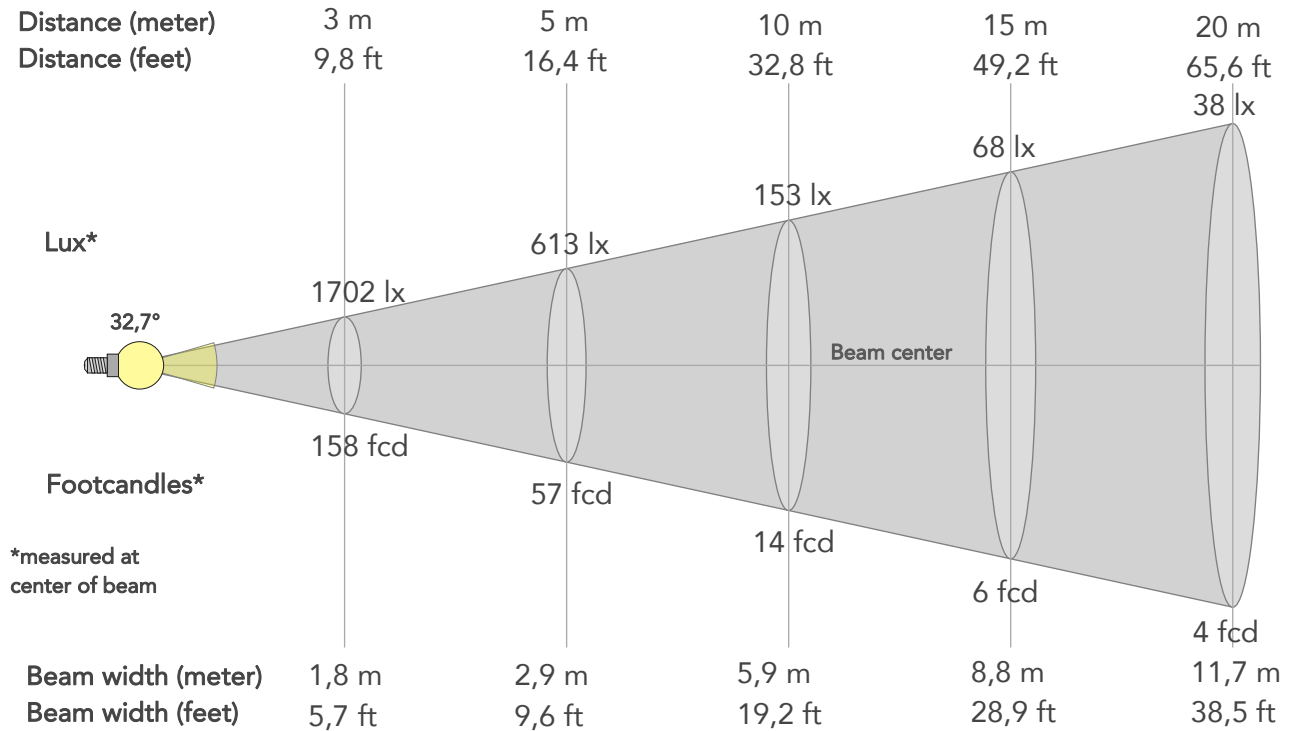
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	1%
2	95	0%	-2%
3	92	-2%	-4%
4	88	-7%	-5%
5	93	-7%	0%
6	92	-4%	5%
7	90	-3%	6%
8	92	1%	5%
9	93	1%	4%
10	95	2%	3%
11	96	2%	1%
12	94	2%	-3%
13	94	-2%	-4%
14	95	0%	-3%
15	93	-3%	2%
16	94	0%	-4%



BEAM DETAILS



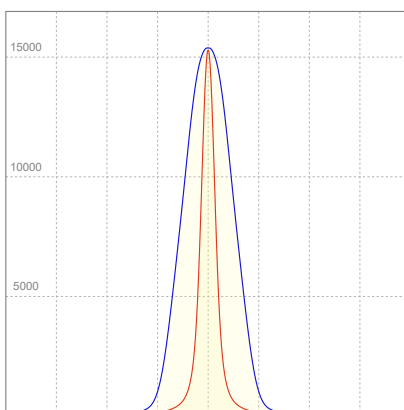
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,7°	57,8°	81,1°	97,0%	92,0%



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	15317lx	3829lx	1702lx	957lx	613lx	272lx	153lx	68lx	38lx	25lx	17lx	10lx	6lx
Footcand.	1423fcd	356fcd	158fcd	89fcd	57fcd	25fcd	14fcd	6fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,3m	2,9m	4,4m	5,9m	8,8m	11,7m	14,7m	17,6m	23,5m	29,3m
Beam wid.	1,9ft	3,9ft	5,7ft	7,7ft	9,6ft	14,4ft	19,2ft	28,9ft	38,5ft	48,1ft	57,7ft	77ft	96,2ft

LINEAR DISTRIBUTION DIAGRAM

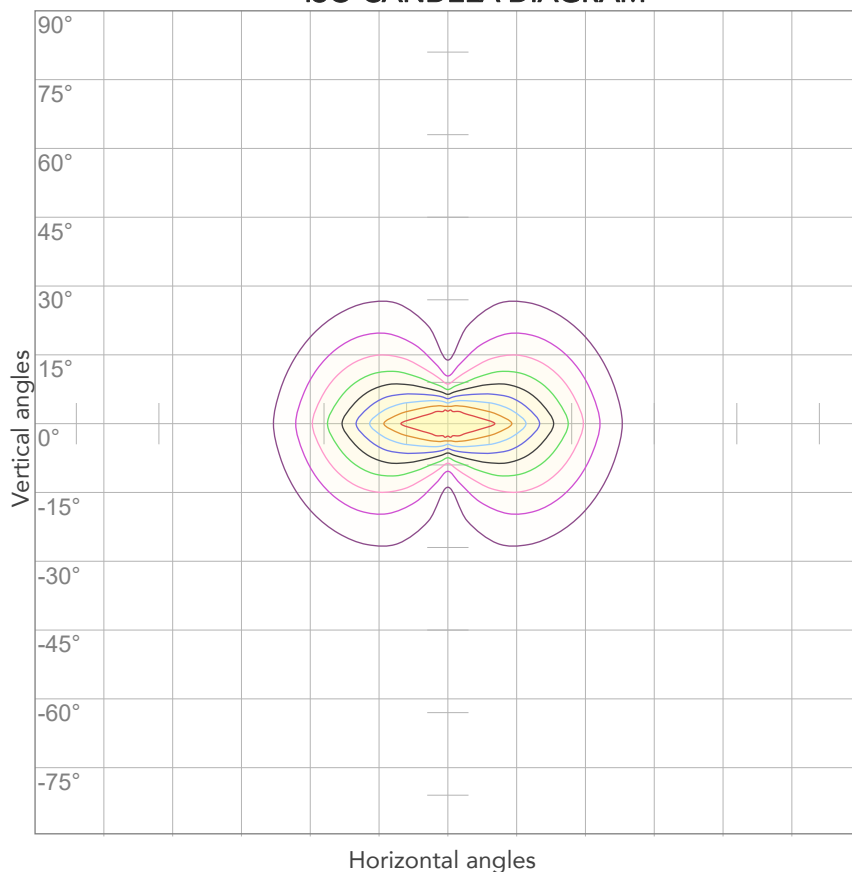


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,556A	121,5W	0,97	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



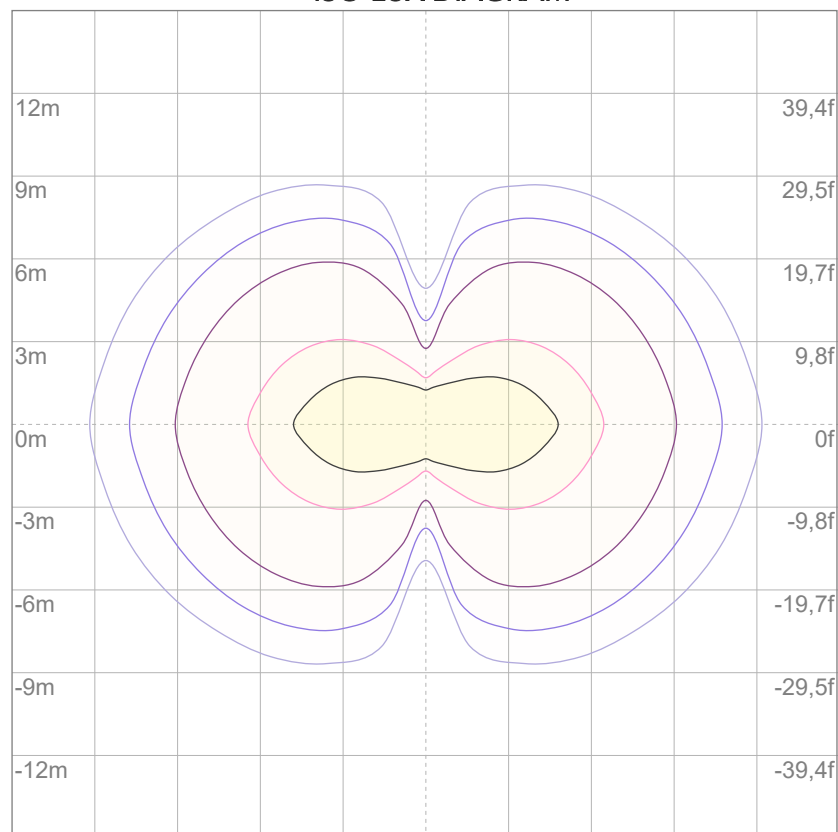
10%	1532 cd
20%	3063 cd
30%	4595 cd
40%	6127 cd
50%	7658 cd
60%	9190 cd
70%	10722 cd
80%	12253 cd

Conditions:

Number of c-planes: 4

Candela at center: 15317 cd

ISO LUX DIAGRAM



3%	4,59 lx
5%	7,66 lx
10%	15,3 lx
30%	45,9 lx
50%	76,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 153 lx

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



Total lumen output:

5886 lm

Peak candela output:

8683 cd

Light quality:

CRI: 97,2

Color temperature:

2677 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

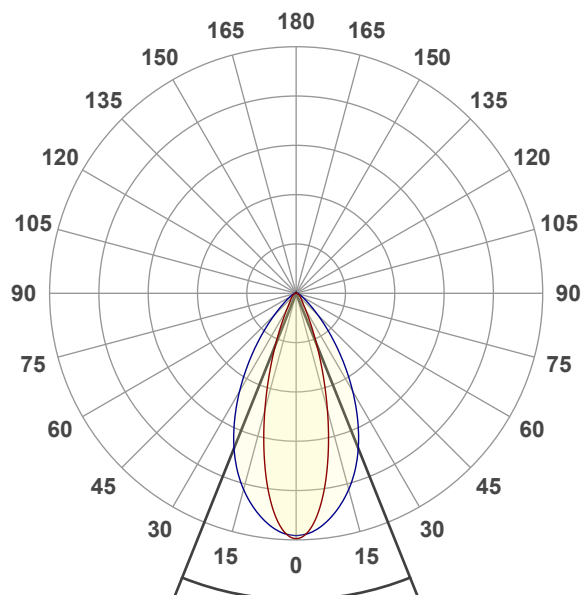
2700K

Operator:

Salvatore Giglio

Date and time:

16/04/2024 16:48:05

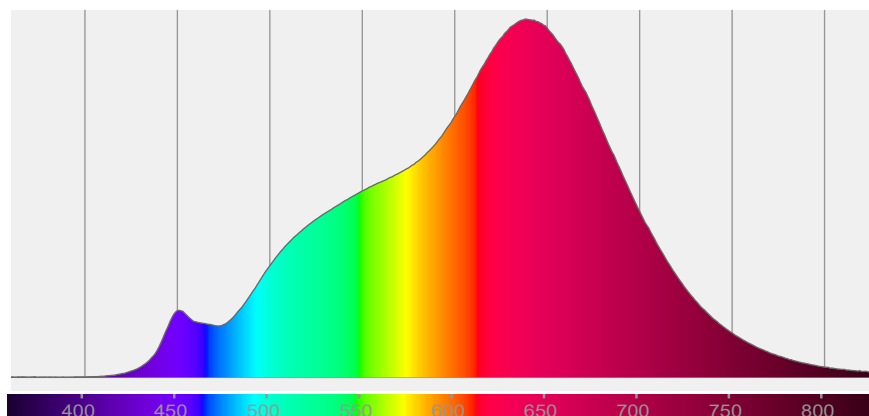


Beam angle 50%: 43,7°

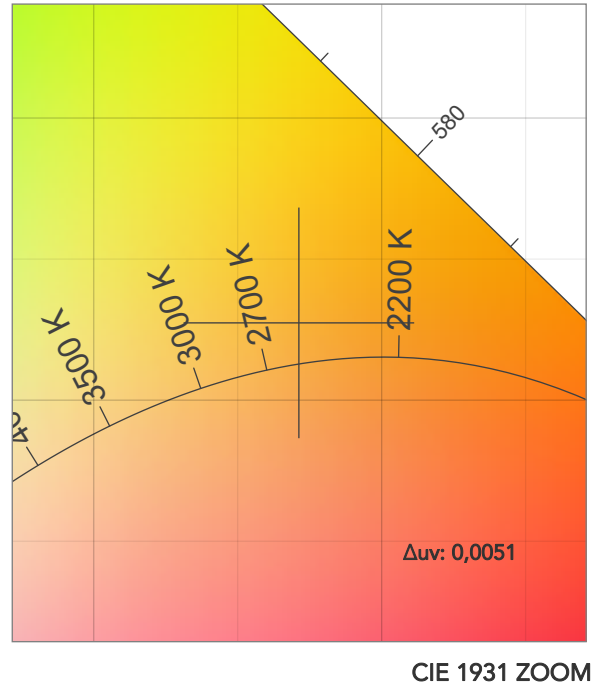
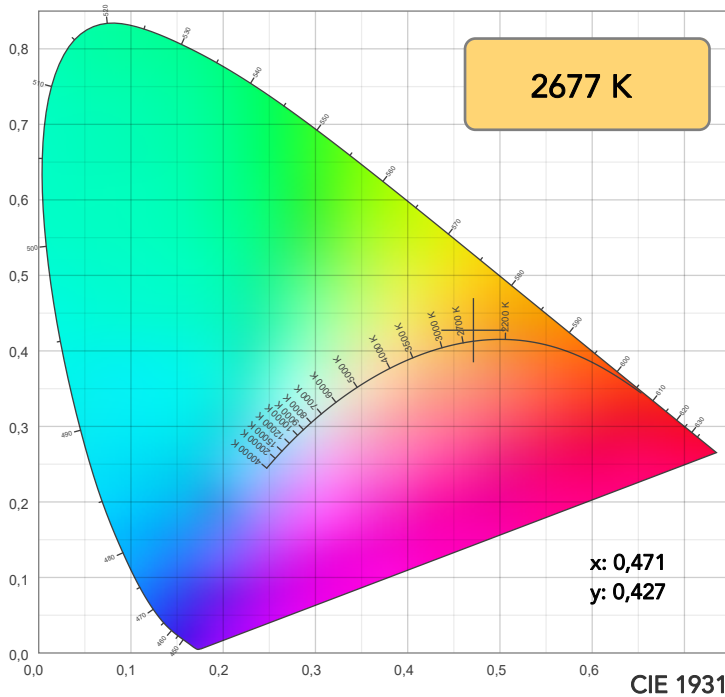
Field angle 10%: 75,1°

Cut off angle 2.5%: 108,9°

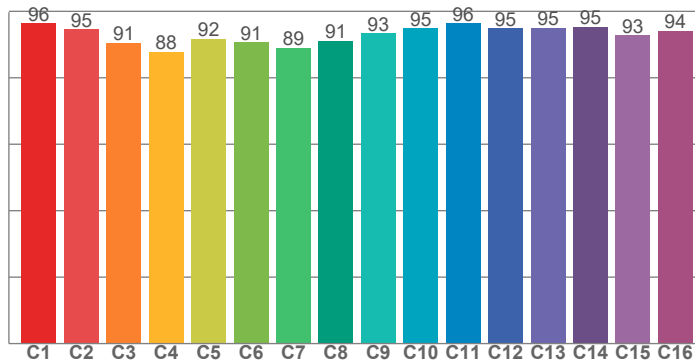
Spectra



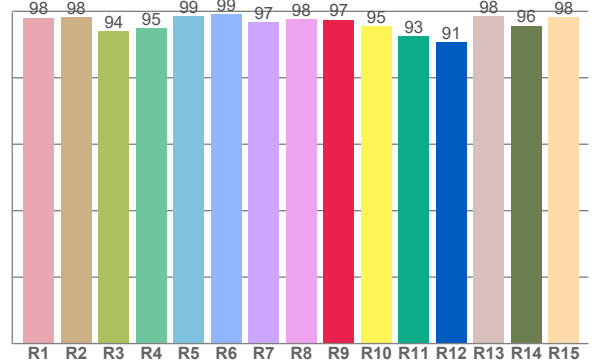
COLOR DETAILS



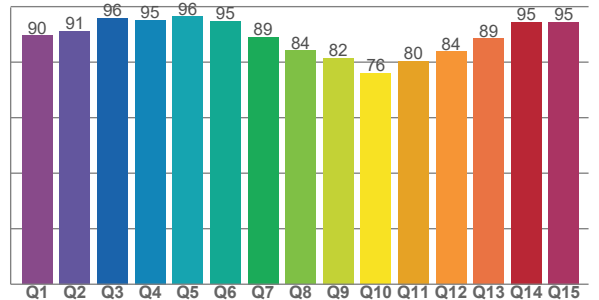
TM30: 93,1



CRI: 97,2 (R1-R8)



CQS: 87,0



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	98,1	93,9	95,0	98,6	99,2	96,7	97,6	97,5	95,5	92,5	90,7	98,4	95,7	98,2

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
96,3	94,6	90,6	87,8	91,8	90,7	89,0	91,1	93,4	94,9	96,3	94,8	95,0	95,4	92,7	94,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,6	91,3	96,0	95,2	96,5	94,7	89,1	84,2	81,5	76,0	80,3	83,8	88,5	94,5	94,5

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2677 K	97,2	97,5	93,1	96,5	87,0	97	0,471	0,427	0,0051

TM30 DETAILS

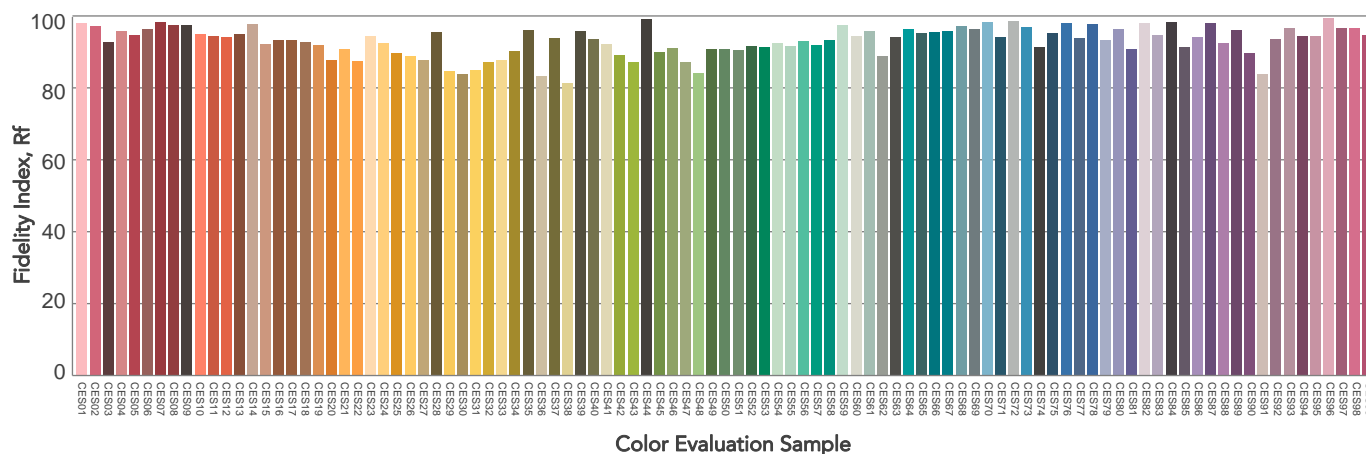
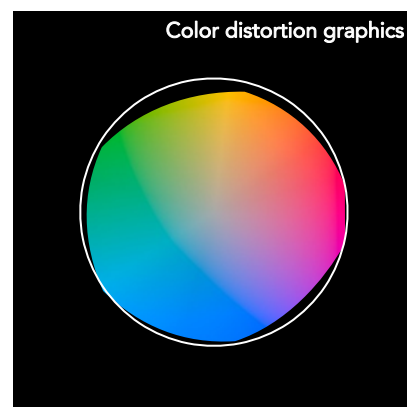
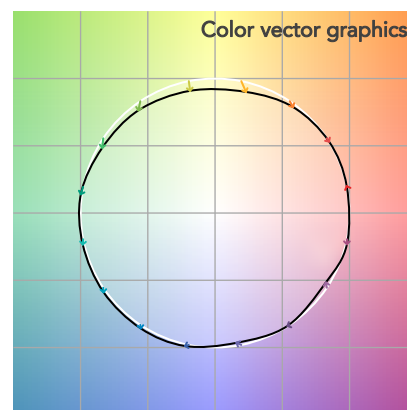
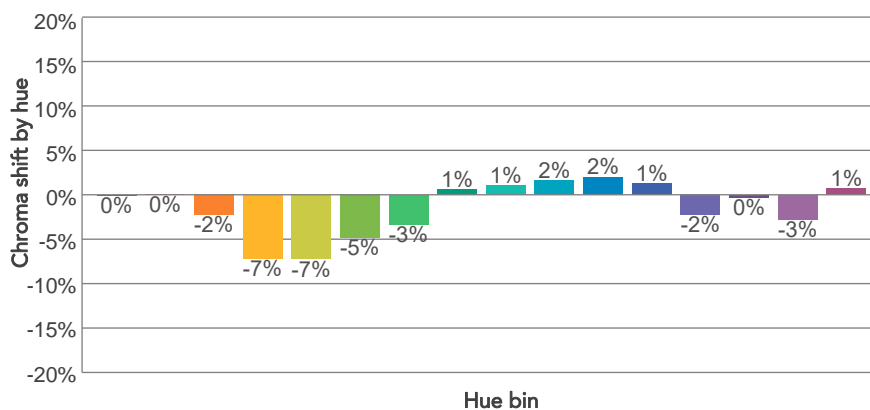
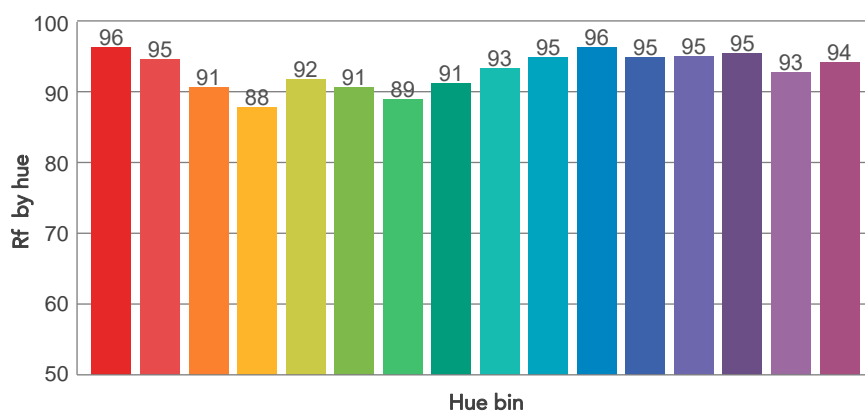
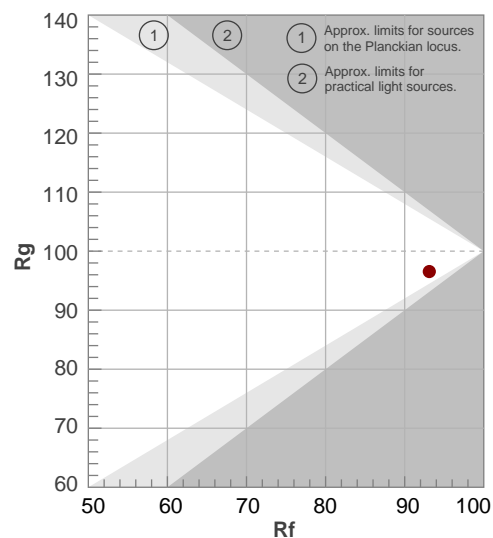
Rf 93,1

Fidelity index R_f

Rg 96,5

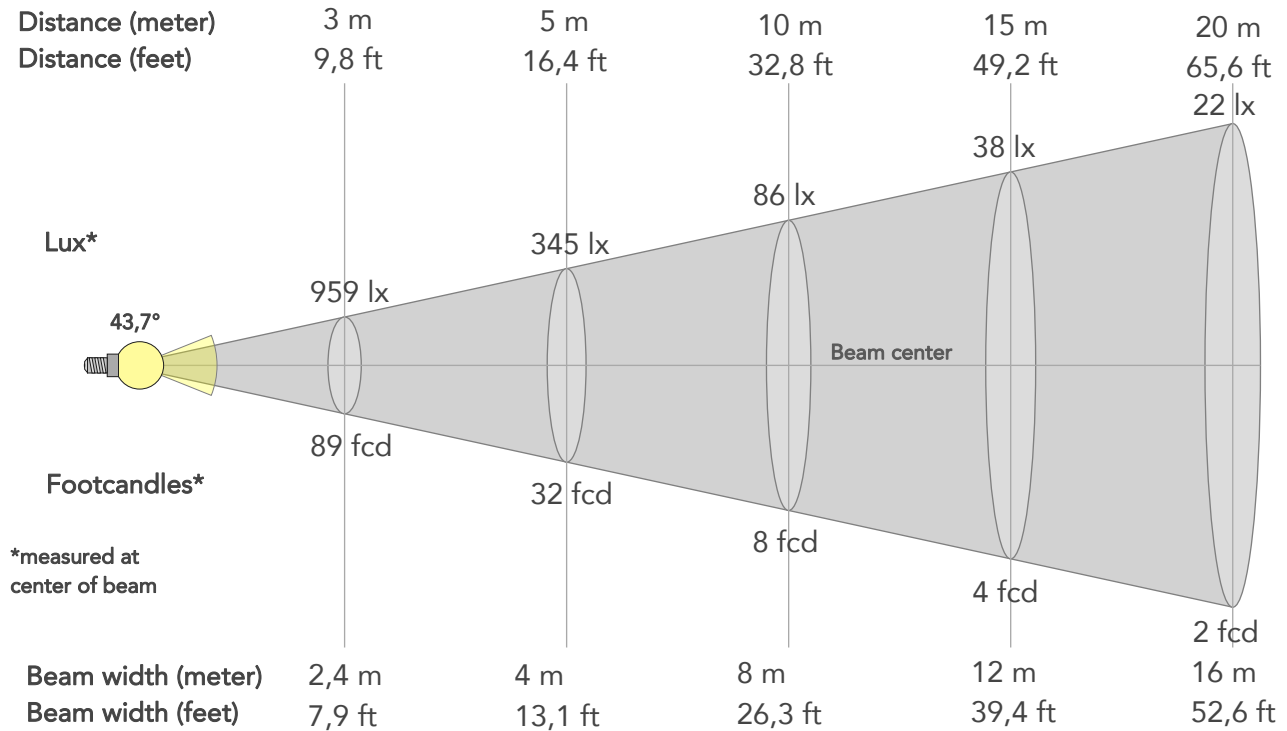
Gammut index

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



BEAM DETAILS

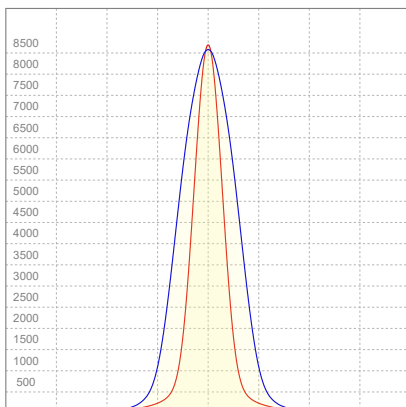
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,7°	75,1°	108,9°	95,5%	87,6%



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	8629lx	2157lx	959lx	539lx	345lx	153lx	86lx	38lx	22lx	14lx	10lx	5lx	3lx
Footcand.	802fcd	200fcd	89fcd	50fcd	32fcd	14fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12m	16m	20m	24,1m	32,1m	40,1m
Beam wid.	2,6ft	5,3ft	7,9ft	10,5ft	13,1ft	19,7ft	26,3ft	39,4ft	52,6ft	65,7ft	78,9ft	105,2ft	131,5ft

LINEAR DISTRIBUTION DIAGRAM

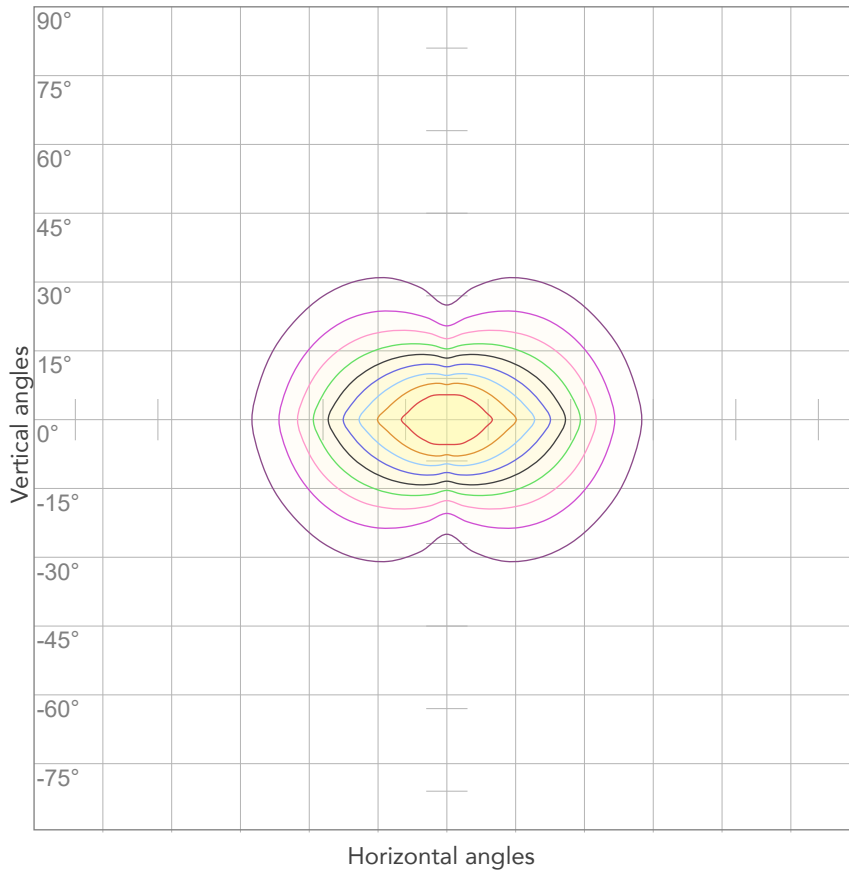


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
224V	0,573A	125W	0,97	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



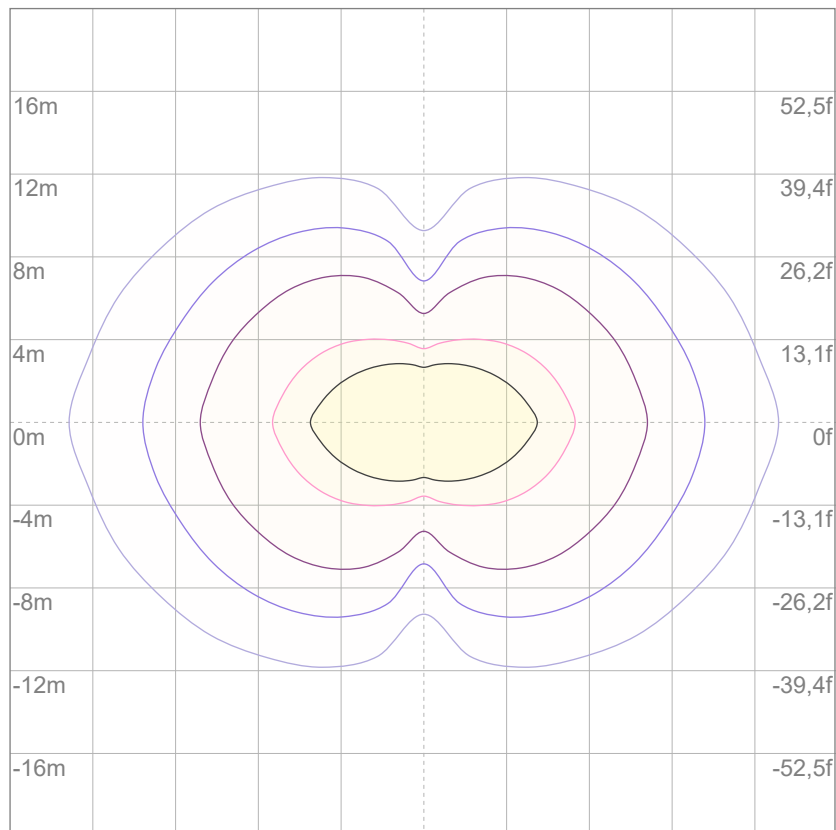
10%	863 cd
20%	1726 cd
30%	2589 cd
40%	3452 cd
50%	4315 cd
60%	5178 cd
70%	6041 cd
80%	6903 cd

Conditions:

Number of c-planes: 4

Candela at center: 8629 cd

ISO LUX DIAGRAM



3%	2,59 lx
5%	4,31 lx
10%	8,63 lx
30%	25,9 lx
50%	43,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 86,3 lx

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



Total lumen output:

7232 lm

Peak candela output:

138617 cd

Light quality:

CRI: 95,8

Color temperature:

3272 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

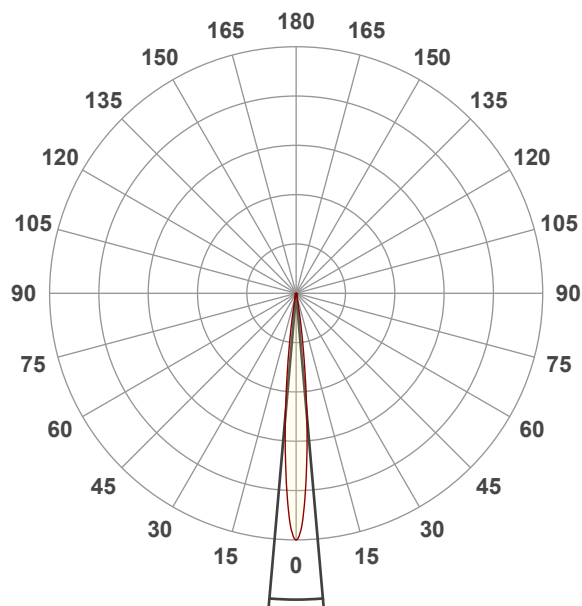
3200K

Operator:

Salvatore Giglio

Date and time:

10/05/2024 16:43:17

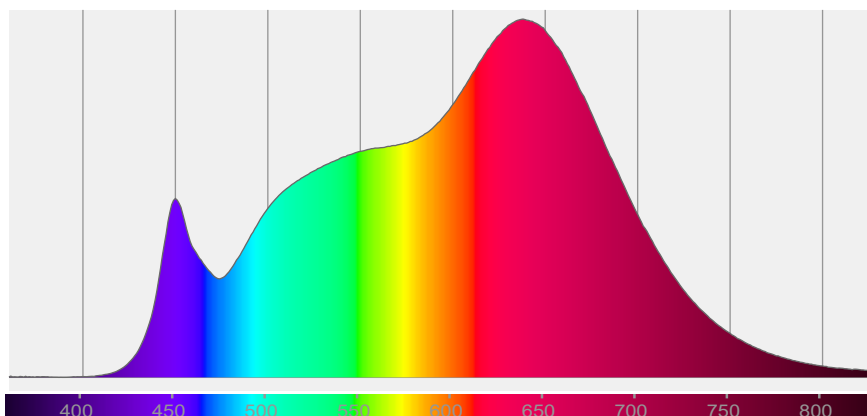


Beam angle 50%: 10°

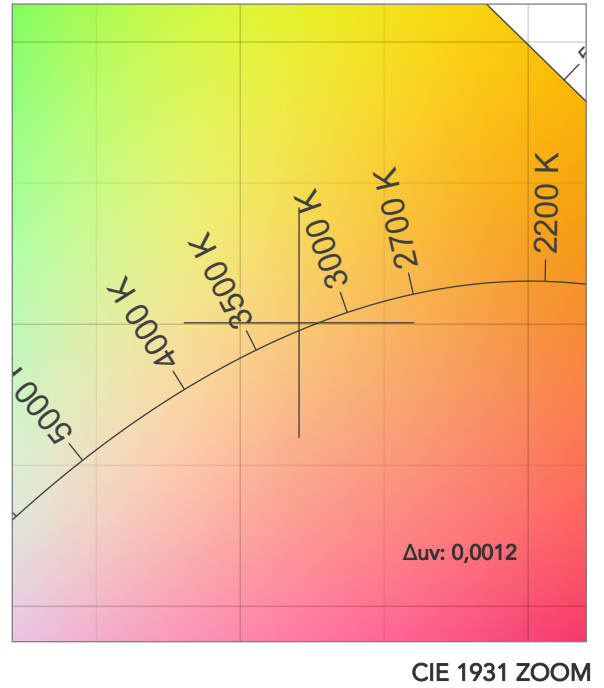
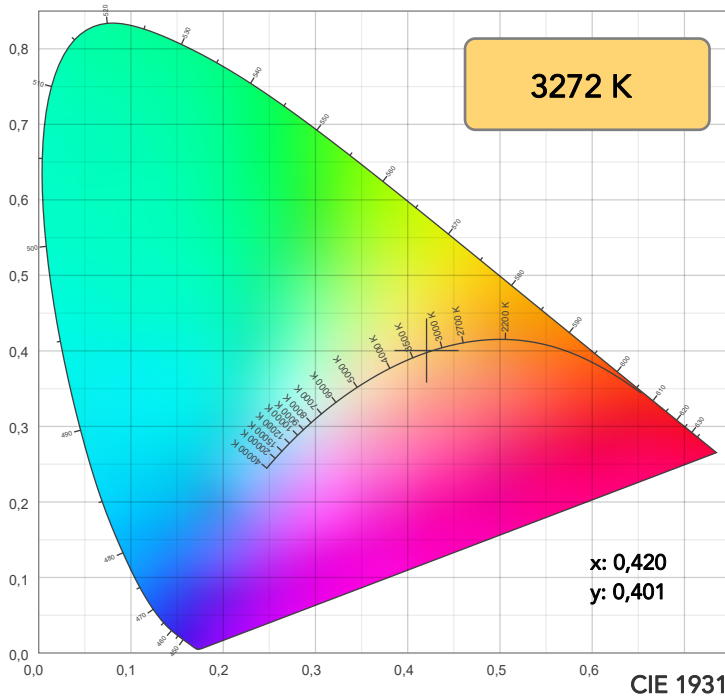
Field angle 10%: 18,3°

Cut off angle 2.5%: 24,7°

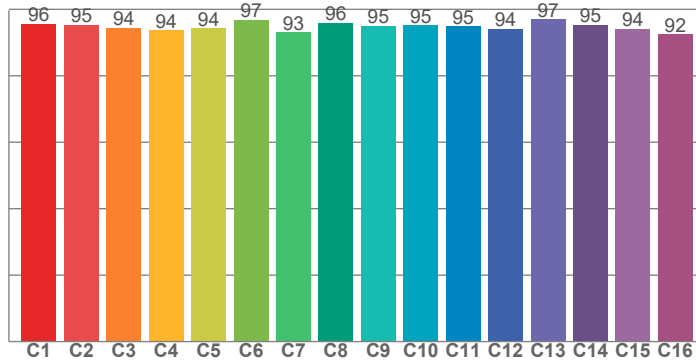
Spectra



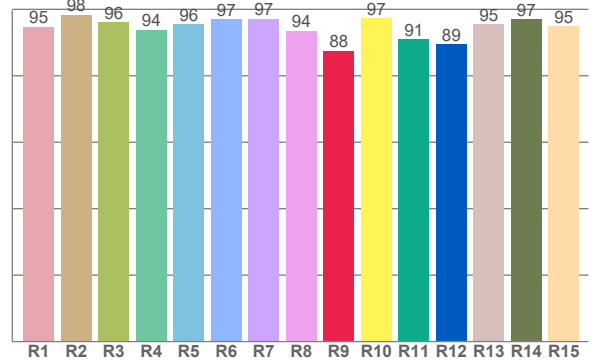
COLOR DETAILS



TM30: 94,8



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	98,3	96,1	93,9	95,5	97,1	97,2	93,5	87,5	97,3	90,9	89,4	95,5	97,0	94,9

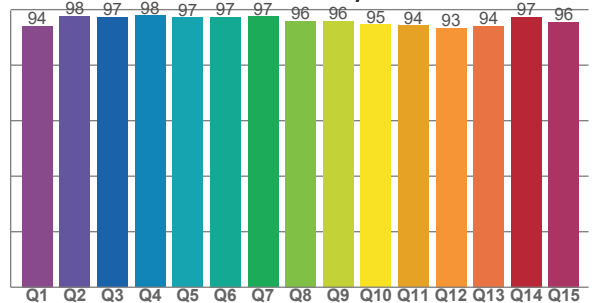
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	95,2	94,4	93,6	94,3	96,8	93,0	95,9	95,0	95,2	94,9	94,2	97,0	95,4	94,1	92,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,0	97,7	97,3	97,9	97,1	97,4	97,5	95,8	95,8	94,7	94,2	93,4	94,1	97,4	95,6

CQS: 95,6



COLOR PARAMETERS

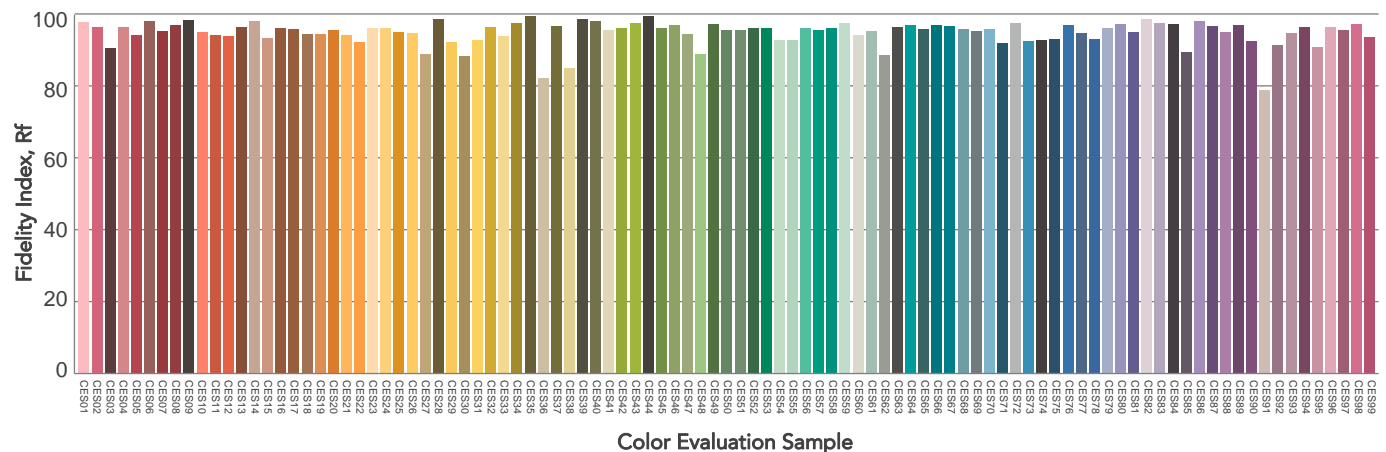
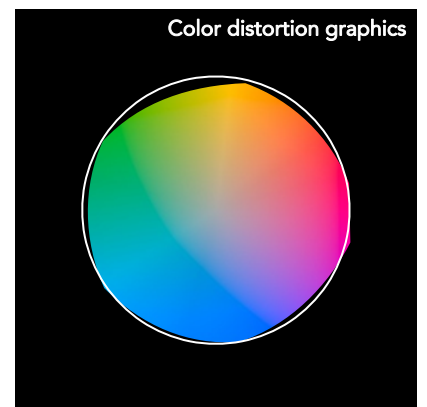
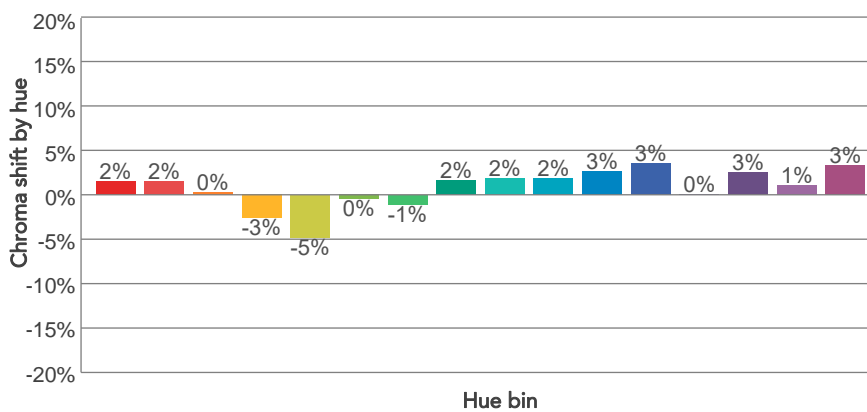
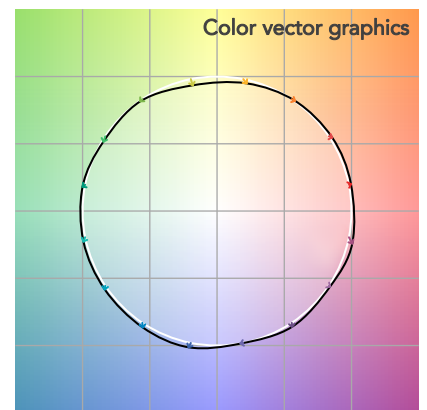
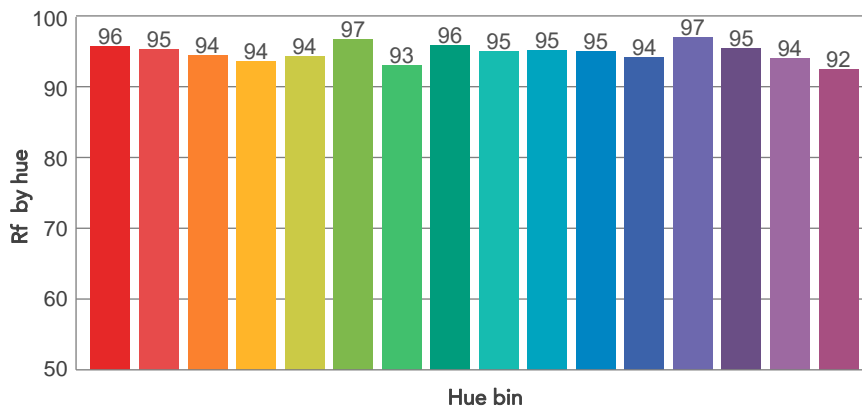
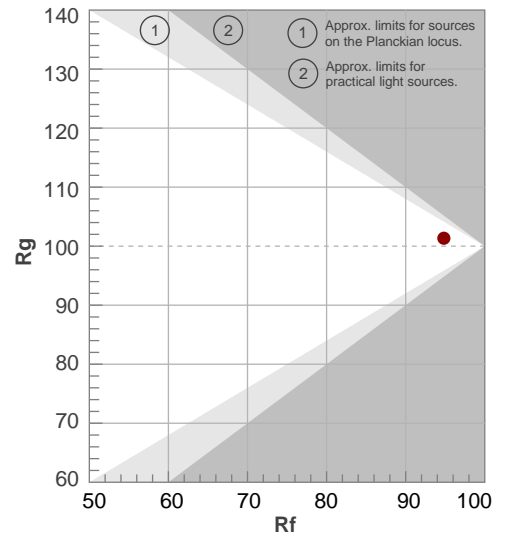
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3272 K	95,8	87,5	94,8	101,3	95,6	99	0,420	0,401	0,0012

TM30 DETAILS

Rf 94,8
Fidelity index Rf

Rg 101,3
Gammut index

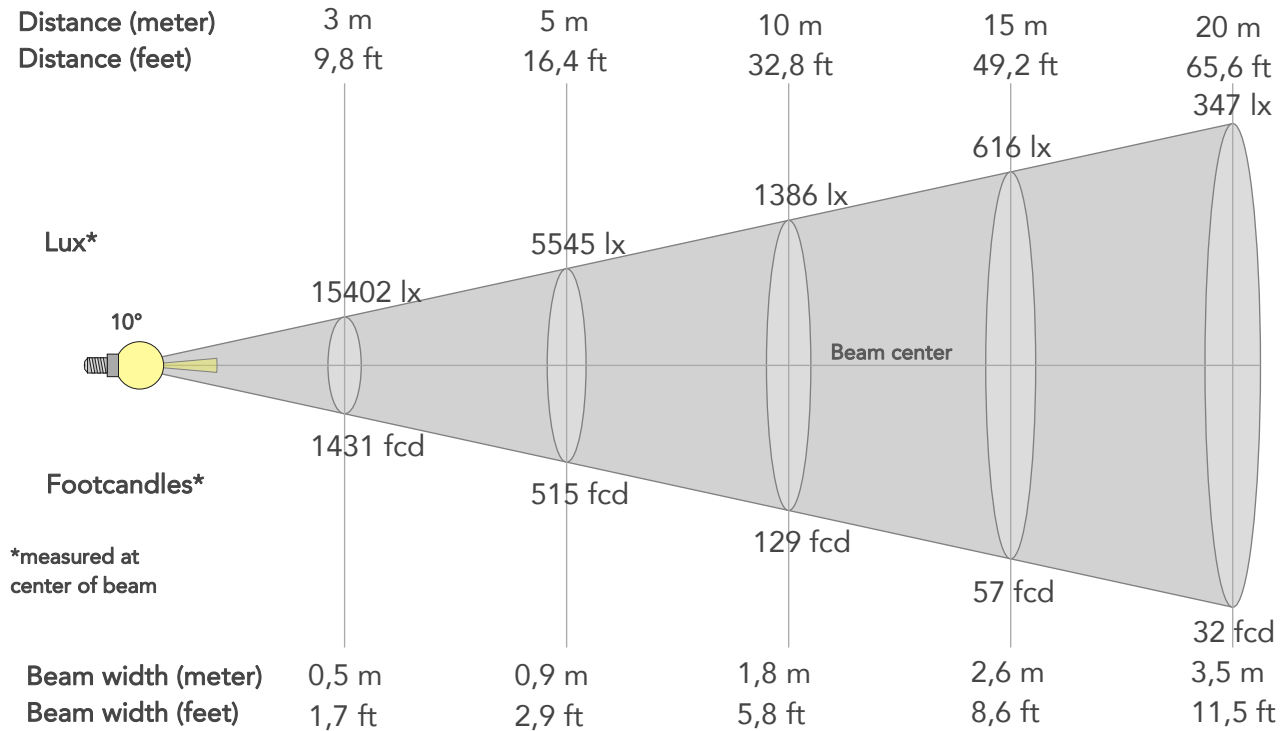
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	96	2%	0%
2	95	2%	-2%
3	94	0%	-3%
4	94	-3%	-3%
5	94	-5%	0%
6	97	0%	2%
7	93	-1%	4%
8	96	2%	2%
9	95	2%	3%
10	95	2%	2%
11	95	3%	2%
12	94	3%	-1%
13	97	0%	-2%
14	95	3%	-1%
15	94	1%	0%
16	92	3%	-4%



BEAM DETAILS



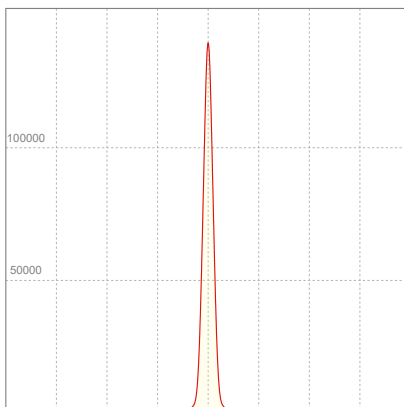
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	18,3°	24,7°	89,1%	84,5%



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	138617lx	34654lx	15402lx	8664lx	5545lx	2464lx	1386lx	616lx	347lx	222lx	154lx	87lx	55lx
Footcand.	12878fcd	3219fcd	1431fcd	805fcd	515fcd	229fcd	129fcd	57fcd	32fcd	21fcd	14fcd	8fcd	5fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,6ft	11,5ft	14,4ft	17,3ft	23ft	28,8ft

LINEAR DISTRIBUTION DIAGRAM

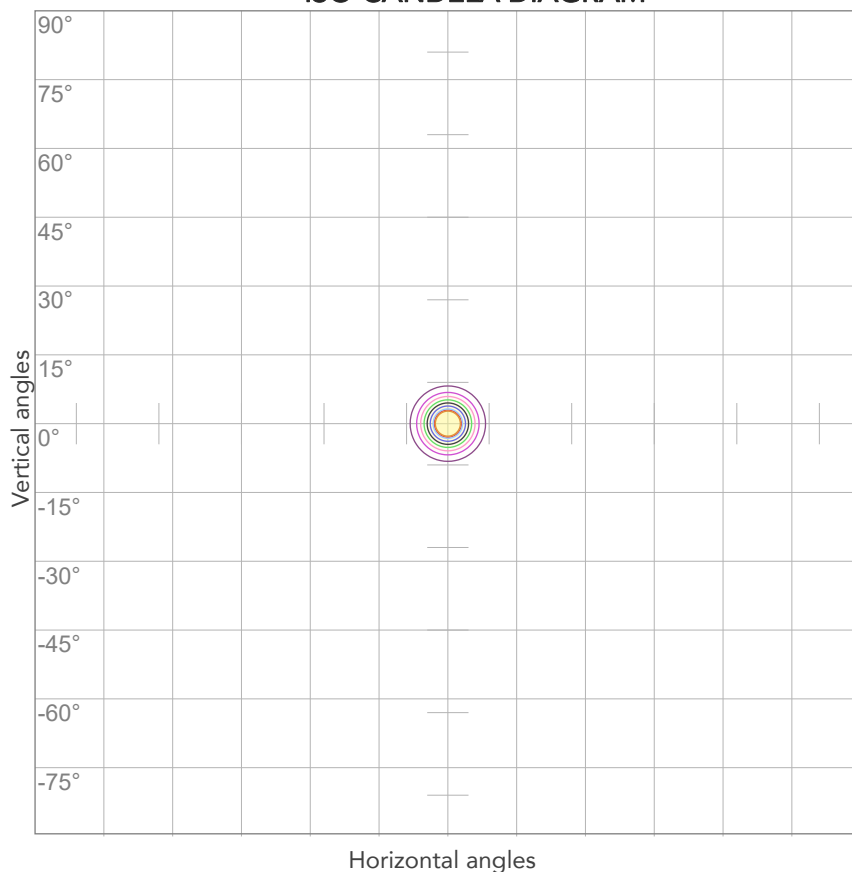


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,561A	123,8W	0,97	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



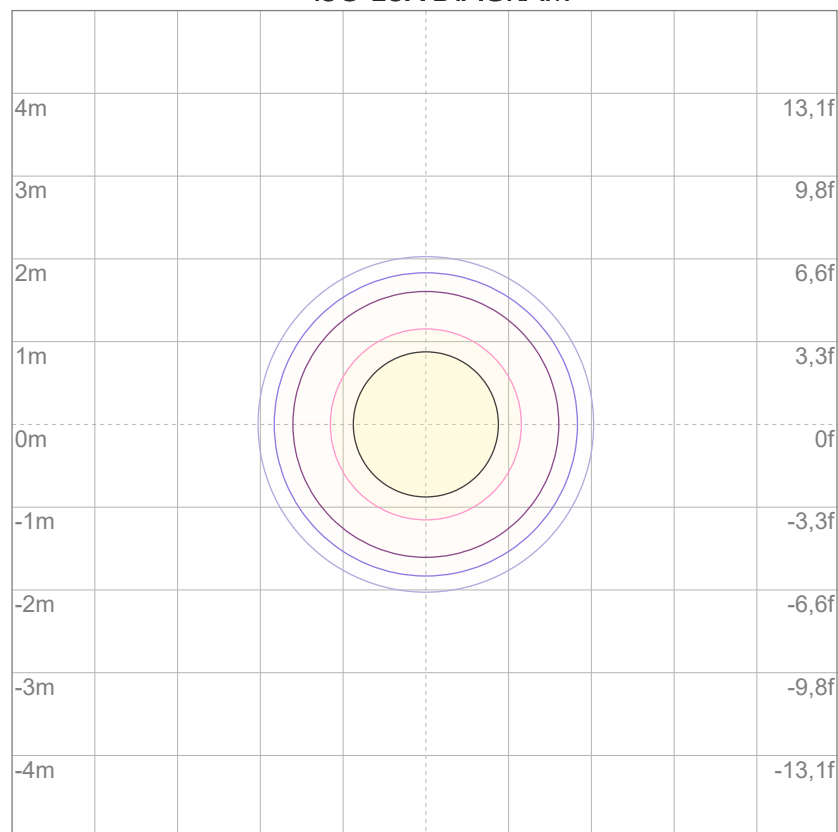
10%	13862 cd
20%	27723 cd
30%	41585 cd
40%	55447 cd
50%	69309 cd
60%	83170 cd
70%	97032 cd
80%	110894 cd

Conditions:

Number of c-planes: 2

Candela at center: 138617 cd

ISO LUX DIAGRAM



3%	41,6 lx
5%	69,3 lx
10%	139 lx
30%	416 lx
50%	693 lx

Conditions:

Number of c-planes: 2

Lux at center: 1386 lx

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



Total lumen output:

5909 lm

Peak candela output:

24637 cd

Light quality:

CRI: 96,0

Color temperature:

3235 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

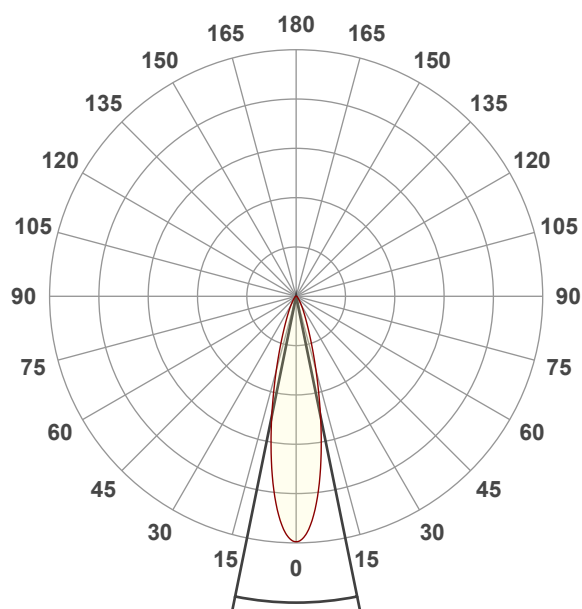
3200K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:00:40

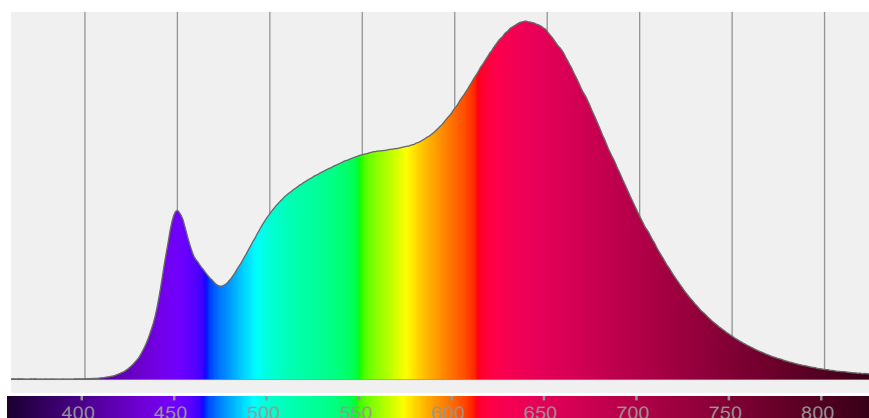


Beam angle 50%: 23°

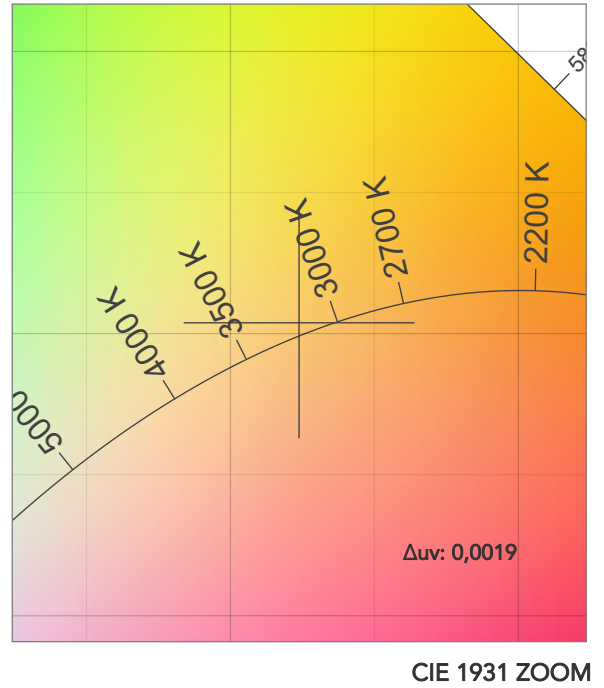
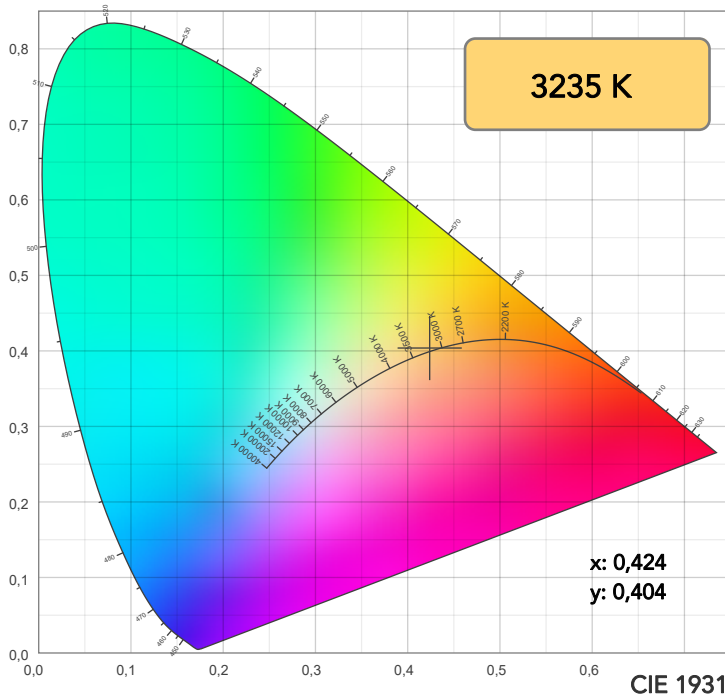
Field angle 10%: 45,9°

Cut off angle 2.5%: 70,8°

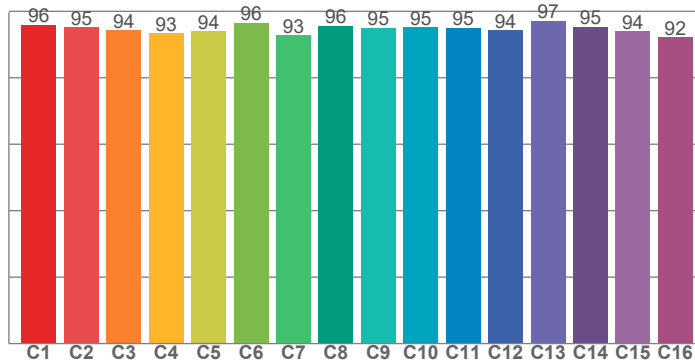
Spectra



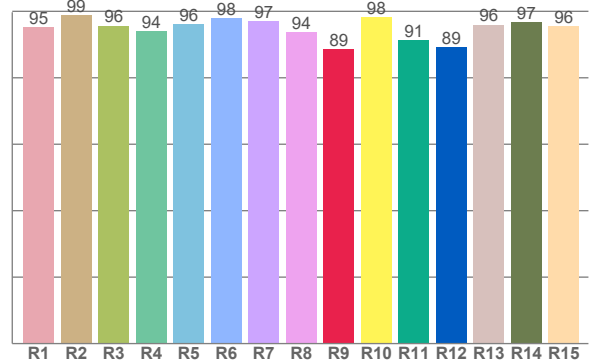
COLOR DETAILS



TM30: 94,8



CRI: 96,0 (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
95,3	98,7	95,6	94,1	96,0	97,8	96,9	93,7	88,5	98,2	91,3	89,3	96,0	96,8	95,5

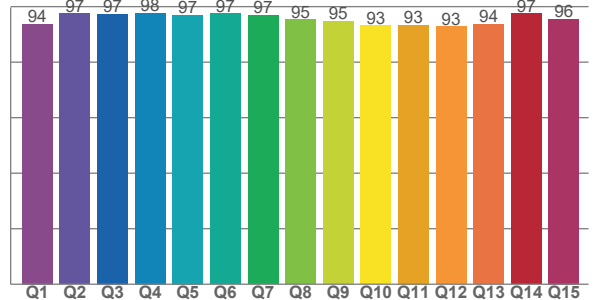
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,0	95,2	94,3	93,4	94,0	96,5	92,8	95,7	95,0	95,2	95,0	94,3	97,1	95,4	93,9	92,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	97,4	97,3	97,8	97,0	97,5	96,9	95,3	94,7	93,1	93,3	92,8	93,6	97,5	95,5

CQS: 95,1



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
3235 K	96,0	88,5	94,8	101,0	95,1	99	0,424	0,404	0,0019

TM30 DETAILS

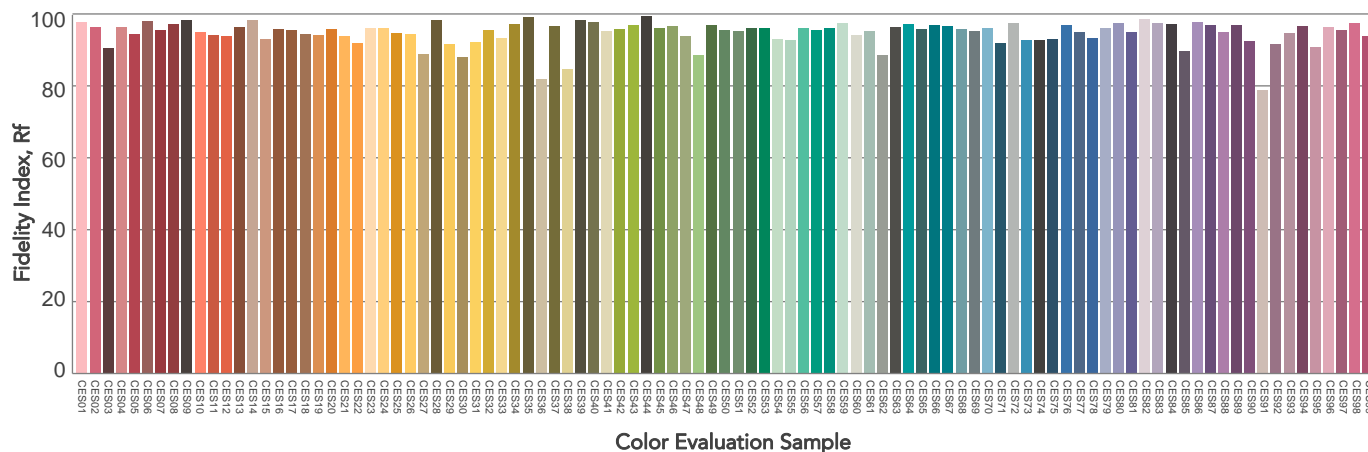
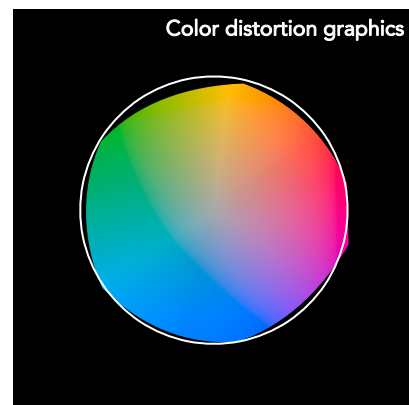
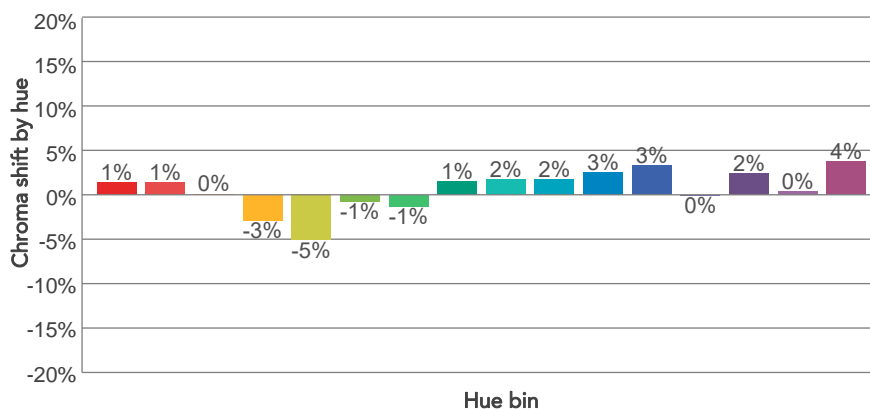
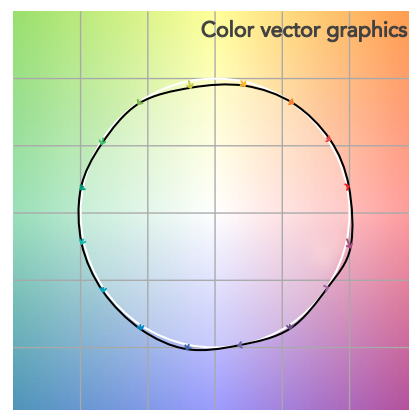
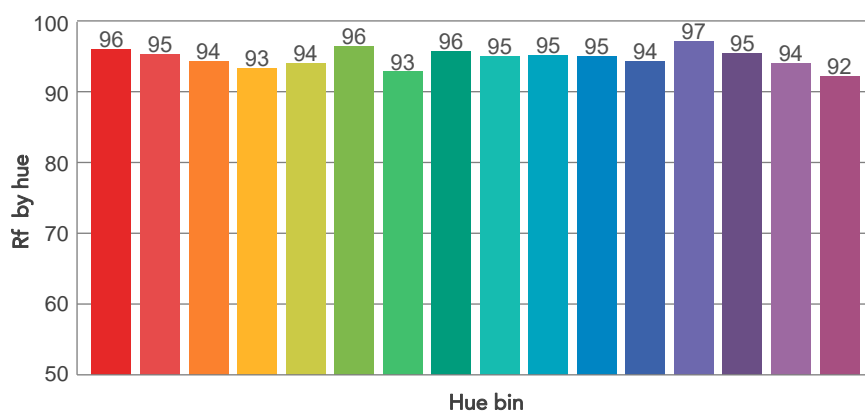
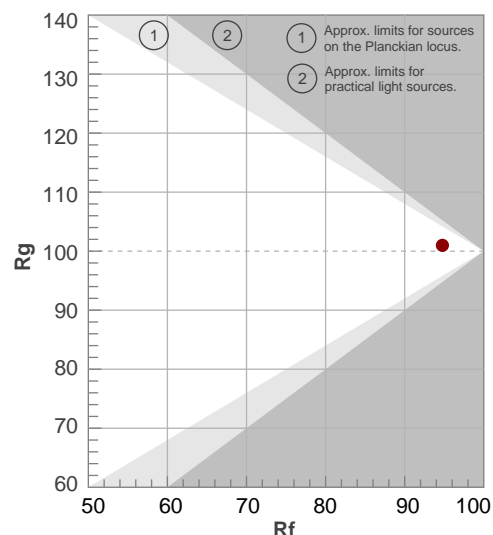
Rf 94,8

Fidelity index Rf

Rg 101,0

Gammut index

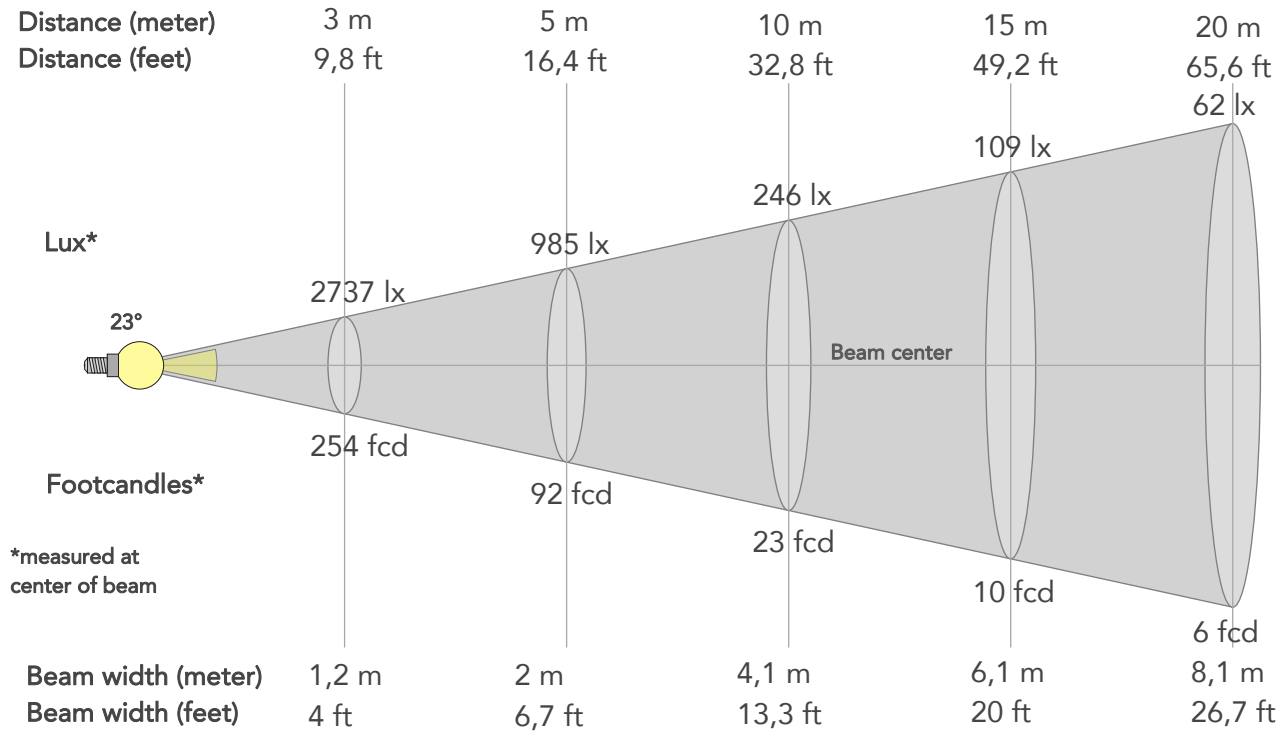
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	0%
2	95	1%	-2%
3	94	0%	-3%
4	93	-3%	-3%
5	94	-5%	0%
6	96	-1%	2%
7	93	-1%	4%
8	96	1%	2%
9	95	2%	3%
10	95	2%	2%
11	95	3%	2%
12	94	3%	-1%
13	97	0%	-2%
14	95	2%	-1%
15	94	0%	1%
16	92	4%	-5%



BEAM DETAILS



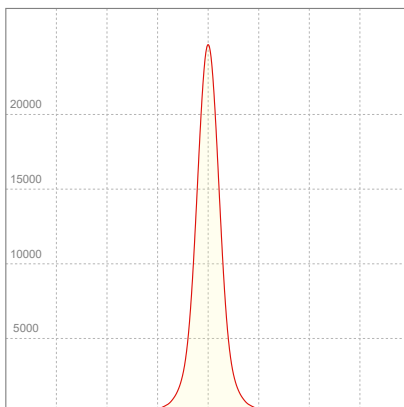
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	45,9°	70,8°	96,6%	92,3%



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	24637lx	6159lx	2737lx	1540lx	985lx	438lx	246lx	109lx	62lx	39lx	27lx	15lx	10lx
Footcand.	2289fcd	572fcd	254fcd	143fcd	92fcd	41fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,3m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,7ft	33,3ft	40ft	53,3ft	66,7ft

LINEAR DISTRIBUTION DIAGRAM

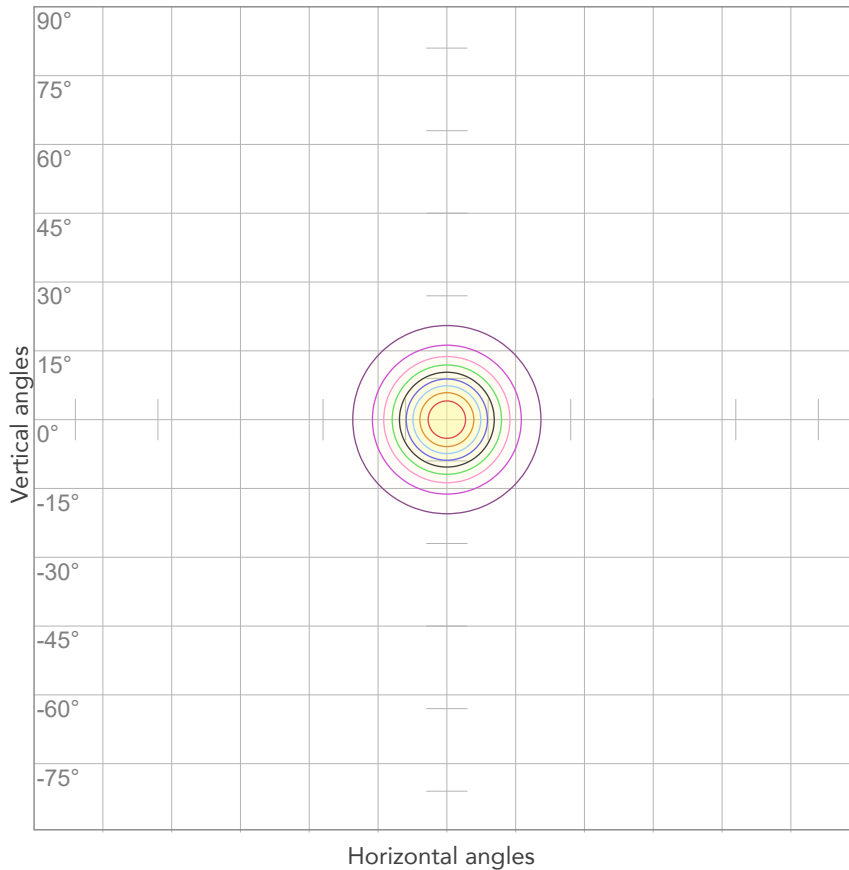


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,571A	125,1W	0,97	47lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



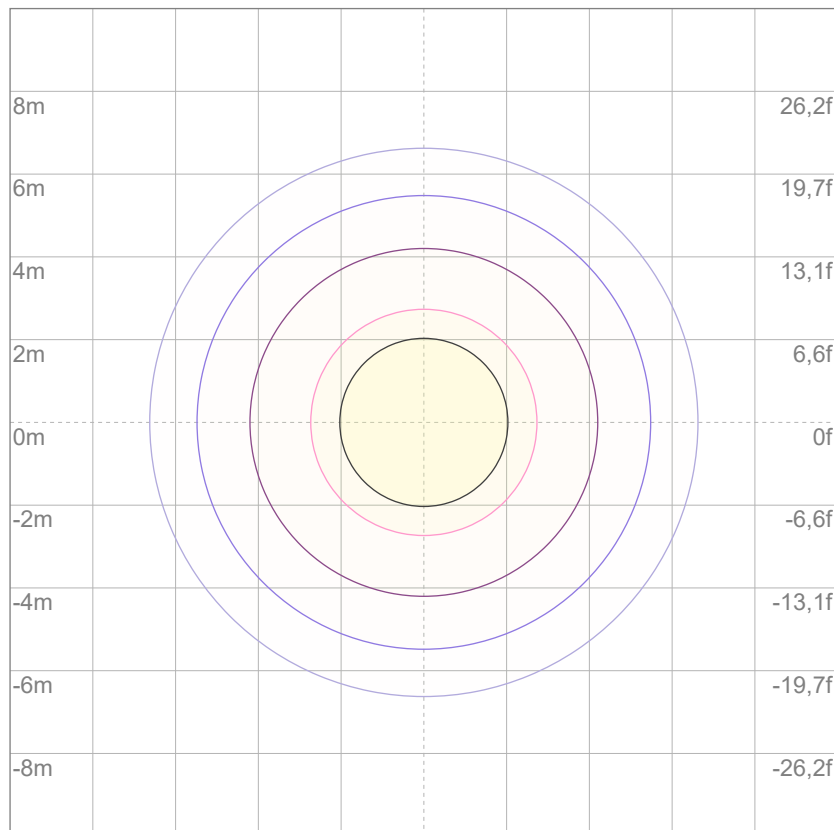
10%	2464 cd
20%	4927 cd
30%	7391 cd
40%	9855 cd
50%	12318 cd
60%	14782 cd
70%	17246 cd
80%	19709 cd

Conditions:

Number of c-planes: 2

Candela at center: 24637 cd

ISO LUX DIAGRAM



3%	7,39 lx
5%	12,3 lx
10%	24,6 lx
30%	73,9 lx
50%	123 lx

Conditions:

Number of c-planes: 2

Lux at center: 246 lx

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



Total lumen output:

5697 lm

Peak candela output:

7281 cd

Light quality:

CRI: 95,8

Color temperature:

3206 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

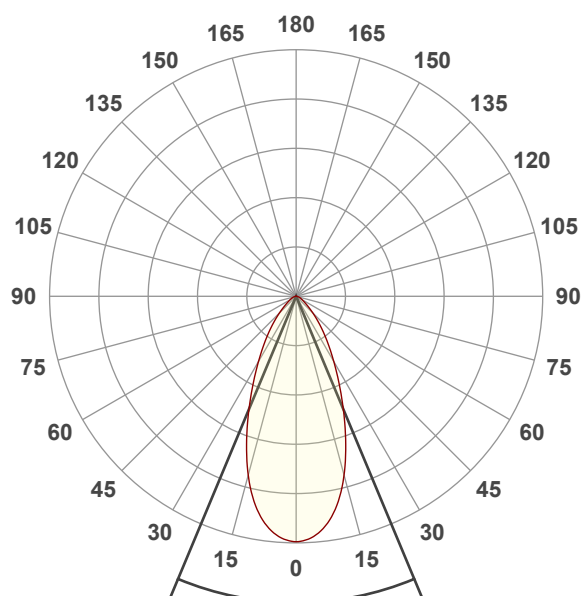
3200K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:51:17

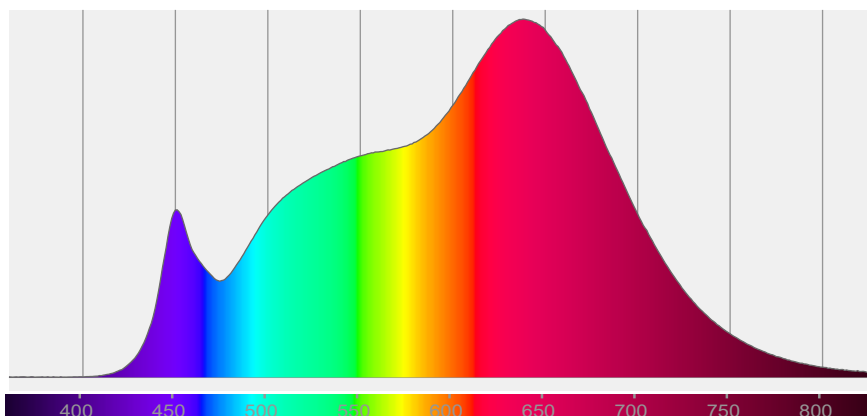


Beam angle 50%: 45,4°

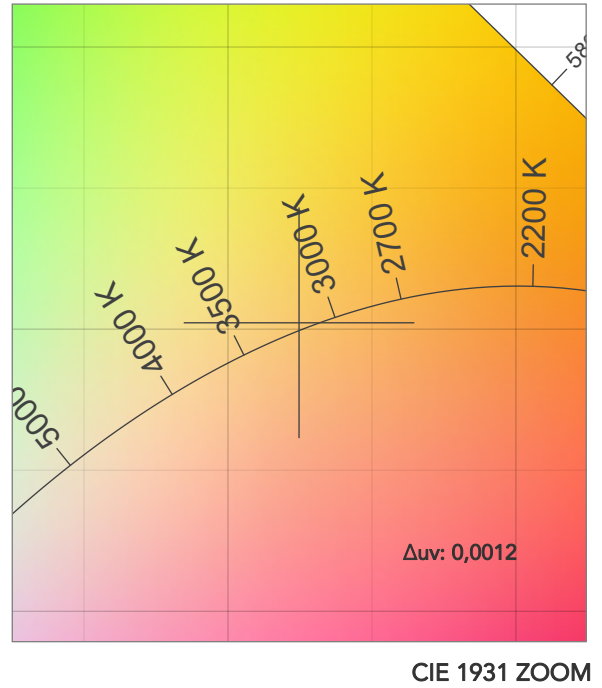
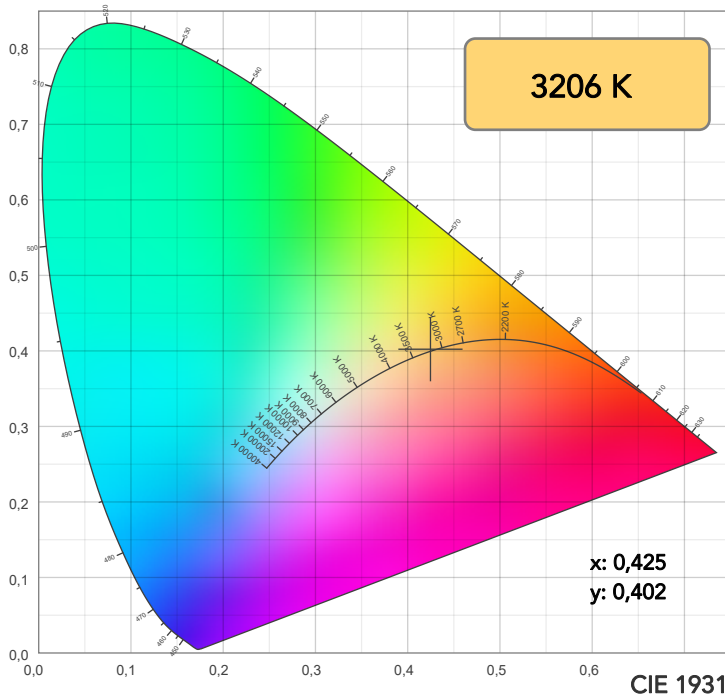
Field angle 10%: 89,4°

Cut off angle 2.5%: 124,6°

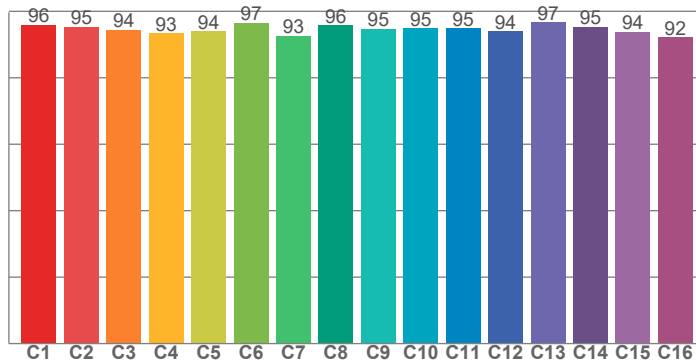
Spectra



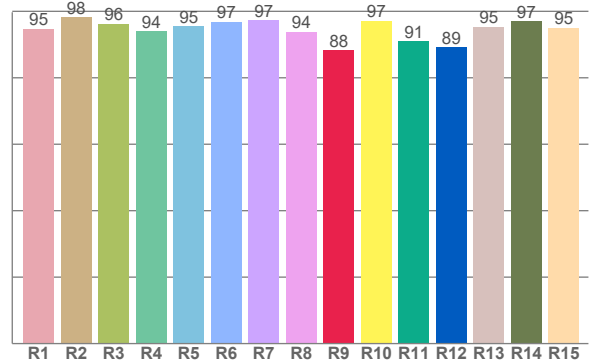
COLOR DETAILS



TM30: 94,7



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	98,2	96,2	94,0	95,5	96,9	97,3	93,8	88,4	97,1	91,0	89,2	95,4	97,0	95,1

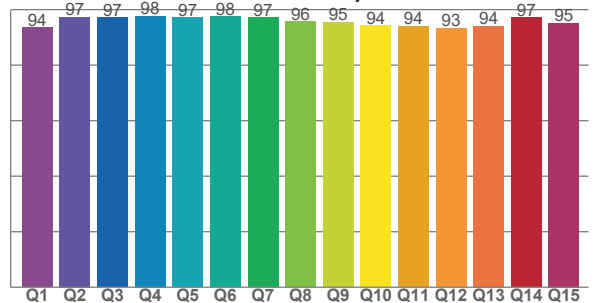
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	95,3	94,4	93,3	94,0	96,6	92,6	95,7	94,7	94,9	94,8	94,0	96,7	95,3	93,8	92,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,6	97,3	97,2	97,8	97,2	97,5	97,2	95,6	95,4	94,2	94,0	93,3	94,0	97,2	95,2

CQS: 95,4



COLOR PARAMETERS

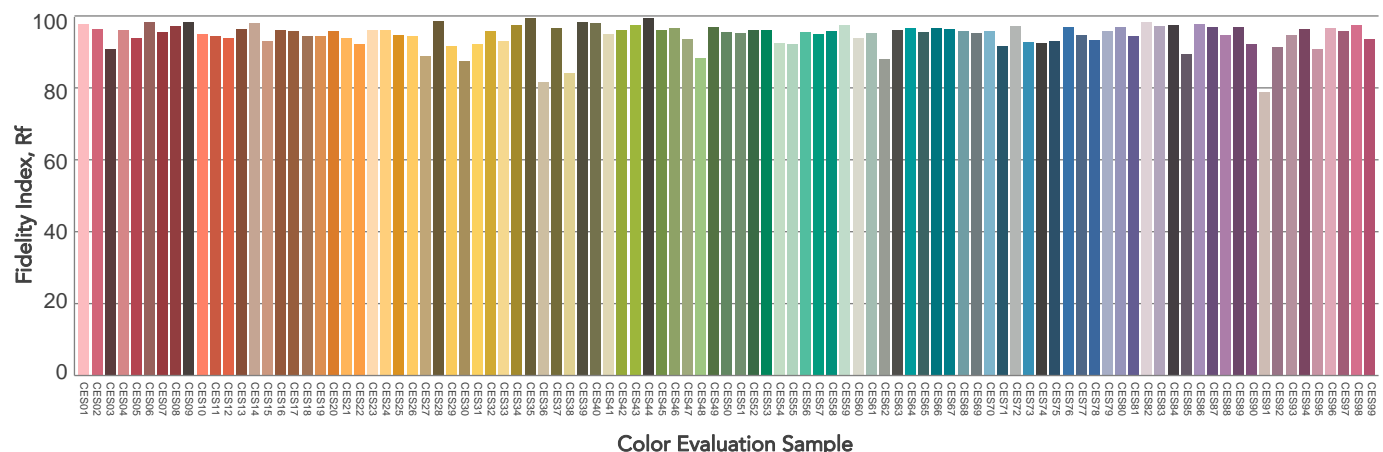
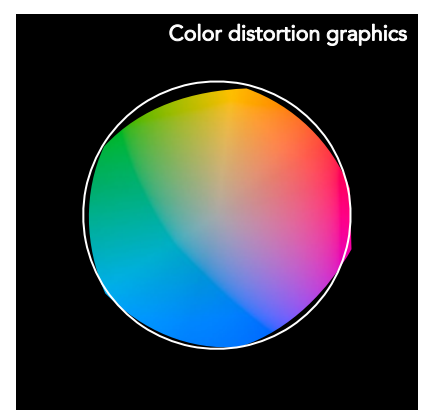
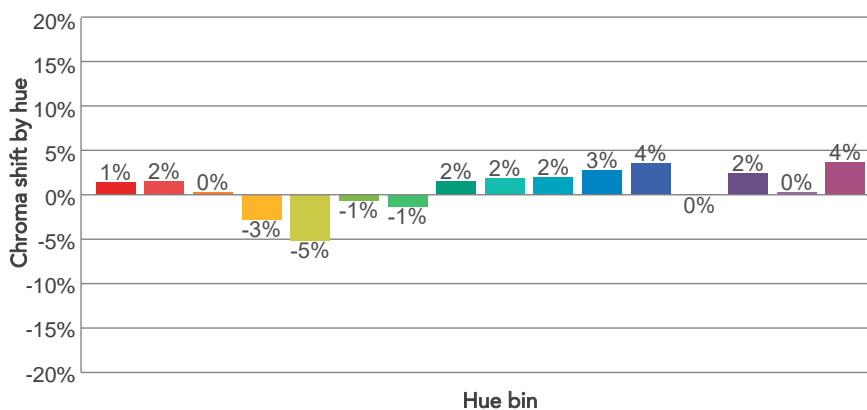
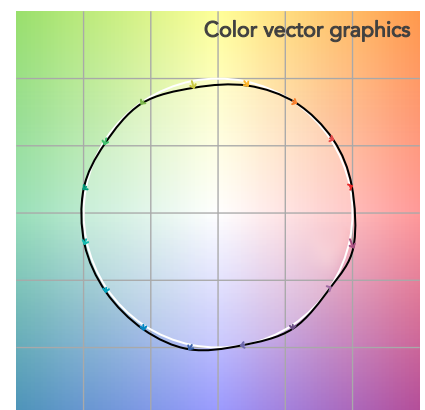
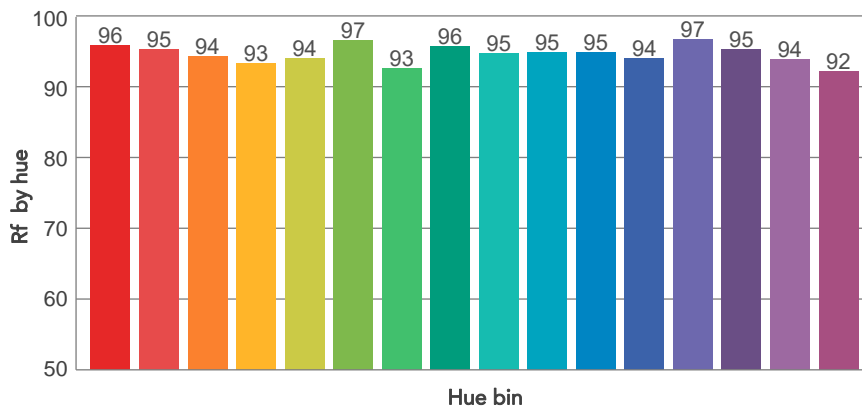
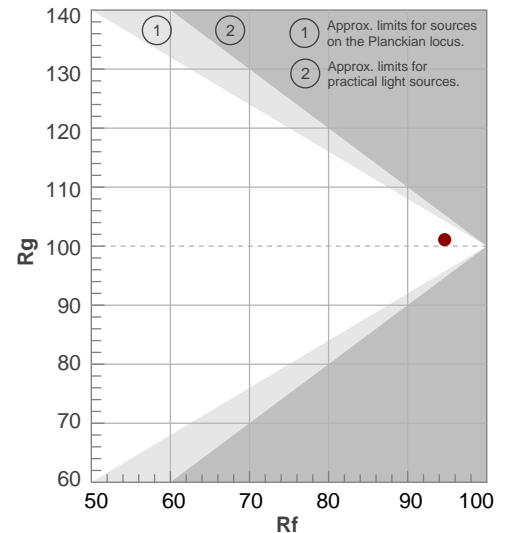
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3206 K	95,8	88,4	94,7	101,1	95,4	99	0,425	0,402	0,0012

TM30 DETAILS

Rf 94,7
Fidelity index Rf

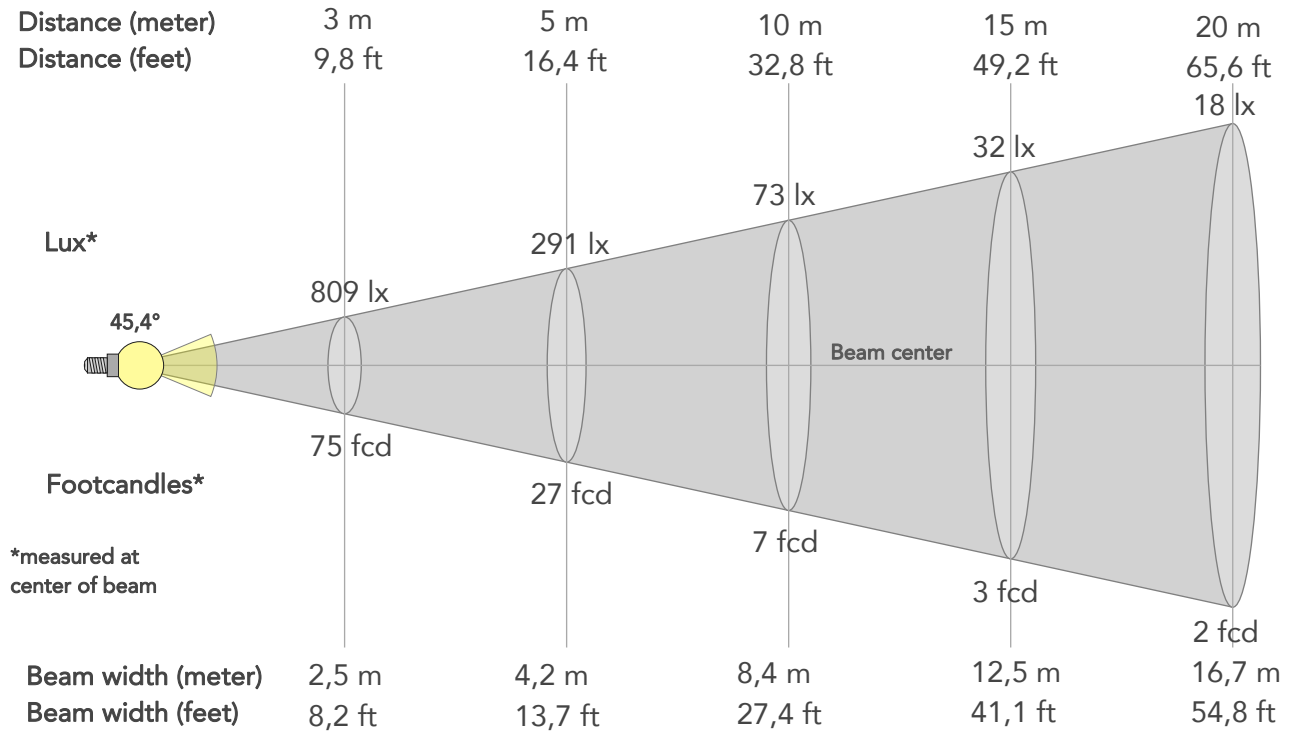
Rg 101,1
Gammut index

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



BEAM DETAILS

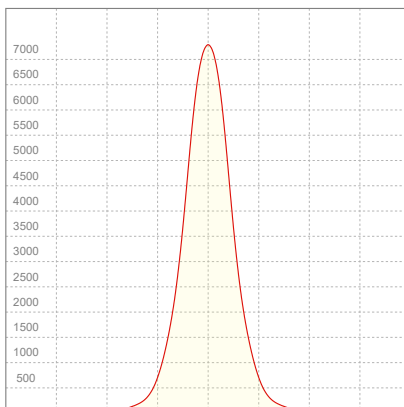
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,4°	89,4°	124,6°	95,4%	86,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7281lx	1820lx	809lx	455lx	291lx	129lx	73lx	32lx	18lx	12lx	8lx	5lx	3lx
Footcand.	676fcd	169fcd	75fcd	42fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,5m	16,7m	20,9m	25,1m	33,4m	41,8m
Beam wid.	2,8ft	5,5ft	8,2ft	10,9ft	13,7ft	20,6ft	27,4ft	41,1ft	54,8ft	68,5ft	82,2ft	109,6ft	137,1ft

LINEAR DISTRIBUTION DIAGRAM

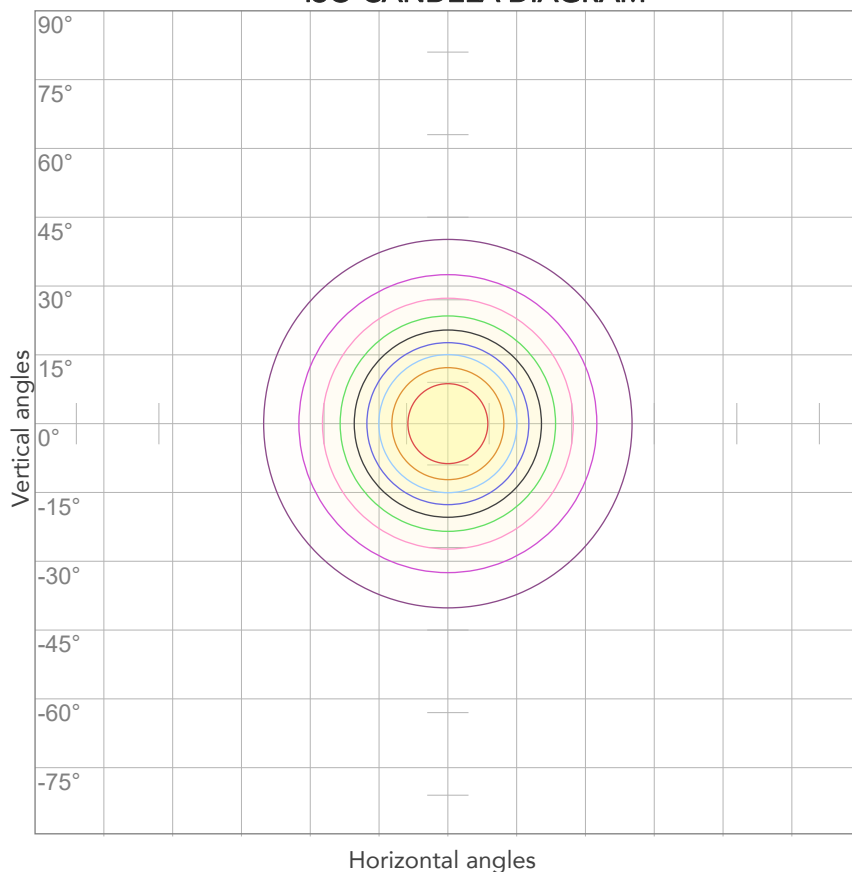


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,566A	123,2W	0,97	46lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



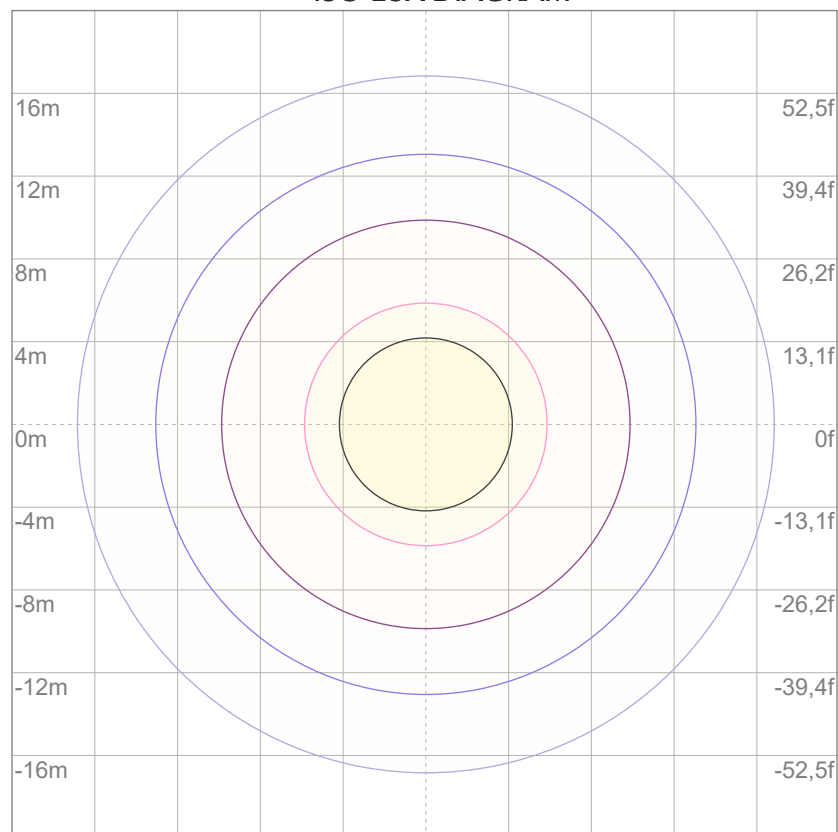
10%	728 cd
20%	1456 cd
30%	2184 cd
40%	2912 cd
50%	3640 cd
60%	4369 cd
70%	5097 cd
80%	5825 cd

Conditions:

Number of c-planes: 2

Candela at center: 7281 cd

ISO LUX DIAGRAM



3%	2,18 lx
5%	3,64 lx
10%	7,28 lx
30%	21,8 lx
50%	36,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 72,8 lx

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



Total lumen output:

5548 lm

Peak candela output:

5152 cd

Light quality:

CRI: 95,8

Color temperature:

3205 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

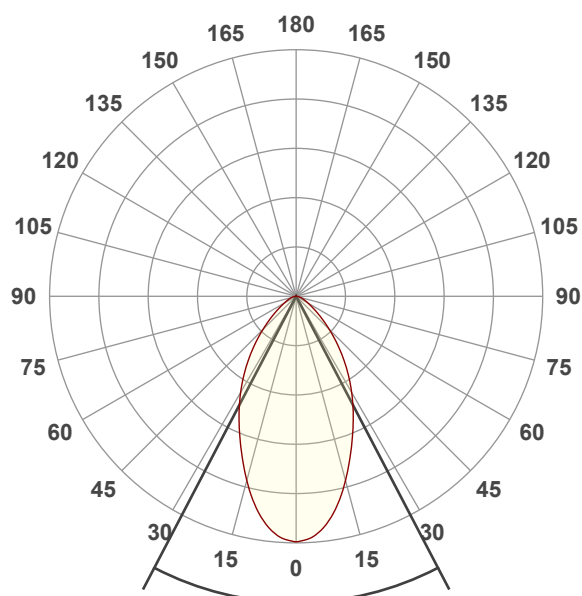
3200K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:12:41

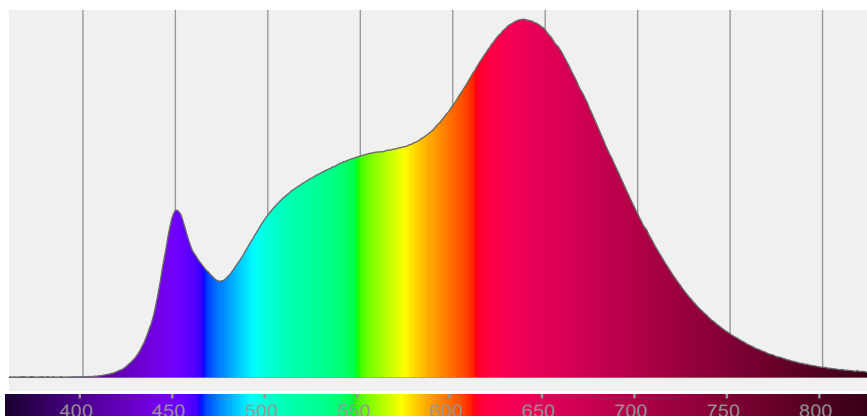


Beam angle 50%: 55,2°

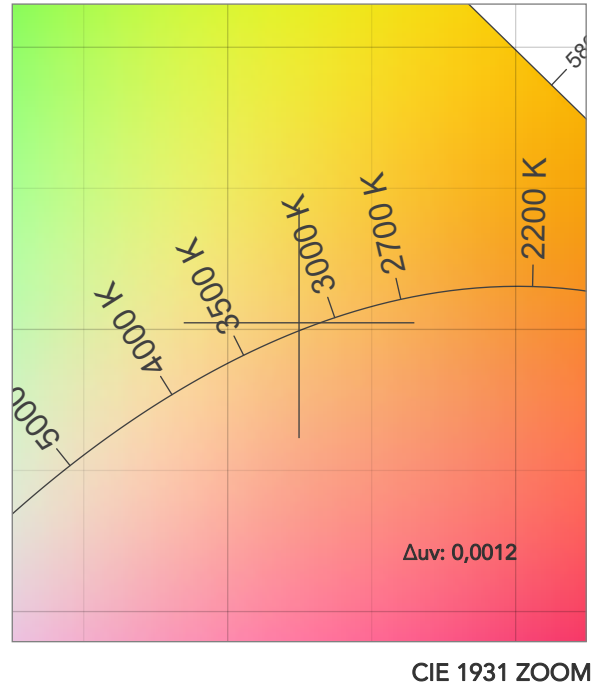
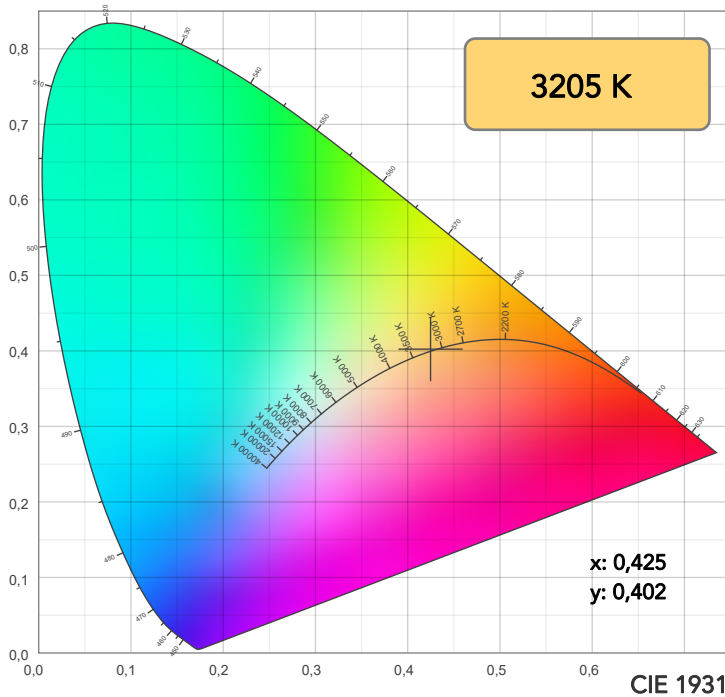
Field angle 10%: 106,5°

Cut off angle 2.5%: 142,6°

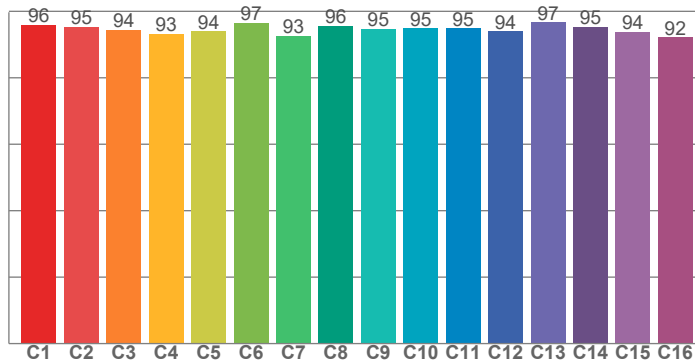
Spectra



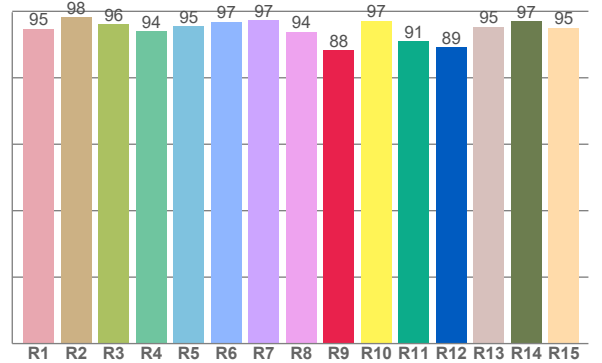
COLOR DETAILS



TM30: 94,7



CRI: 95,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,8	98,2	96,2	94,0	95,5	96,9	97,3	93,8	88,3	97,1	91,0	89,2	95,4	97,0	95,1

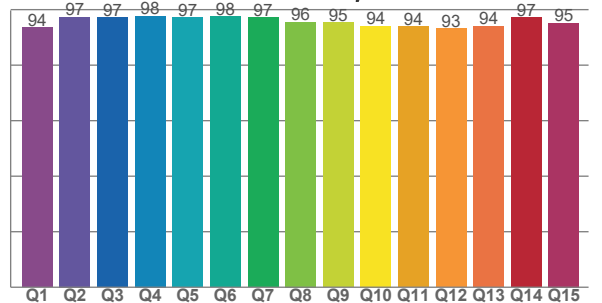
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,5	97,3	97,2	97,8	97,2	97,5	97,1	95,6	95,4	94,2	93,9	93,2	94,0	97,2	95,2

CQS: 95,4



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3205 K	95,8	88,3	94,7	101,1	95,4	99	0,425	0,402	0,0012

TM30 DETAILS

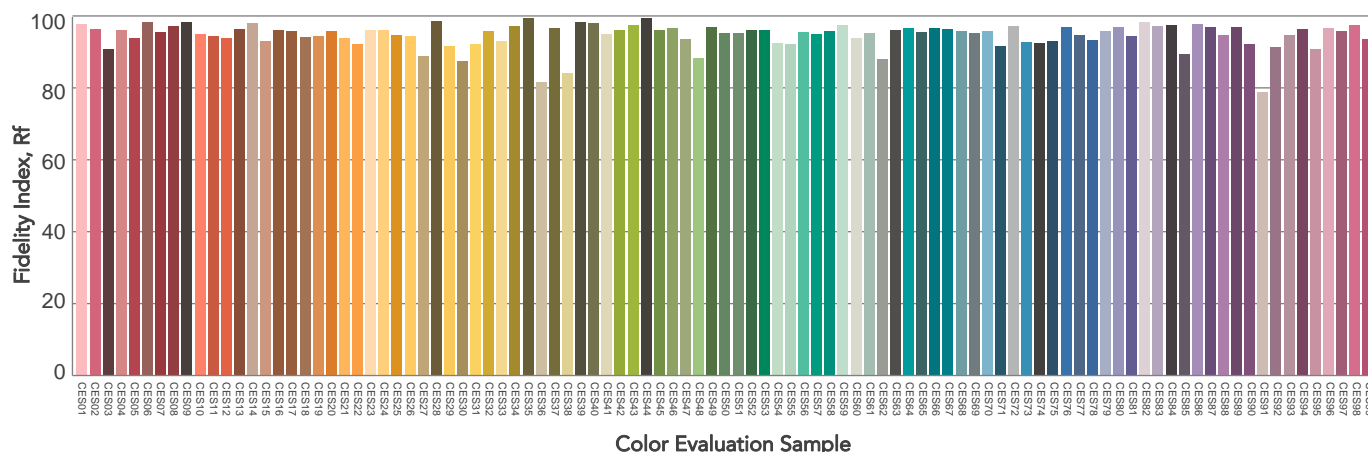
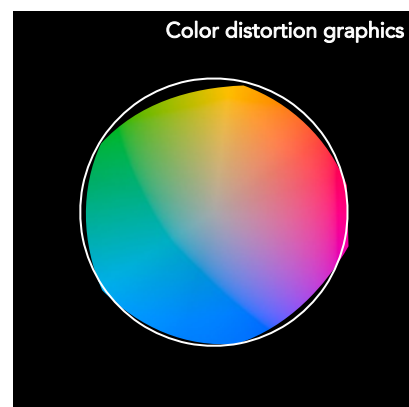
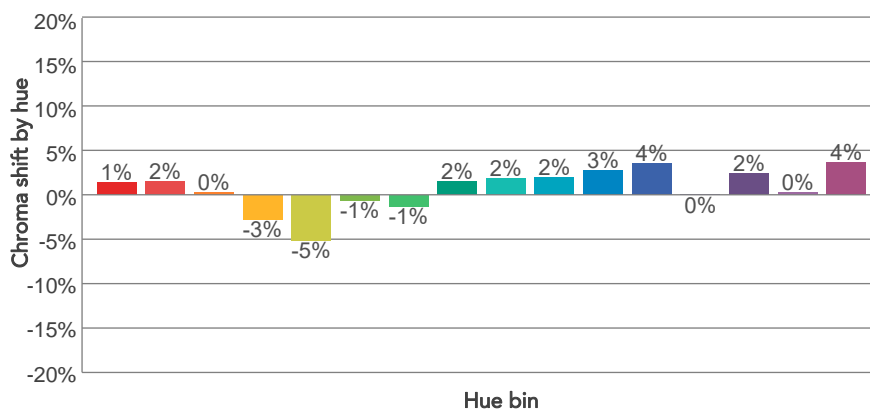
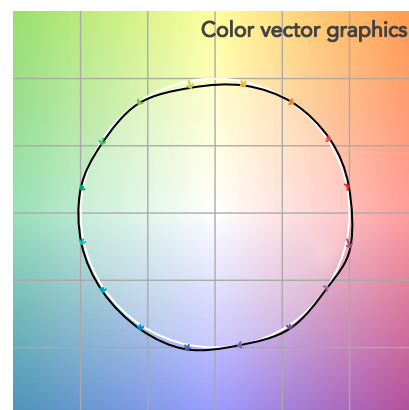
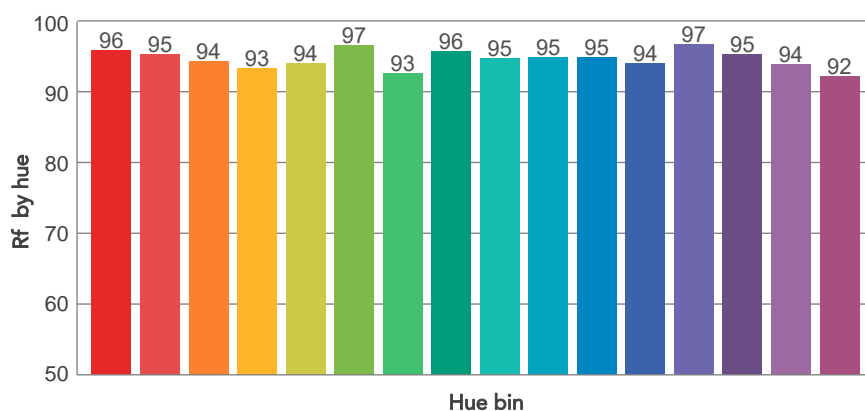
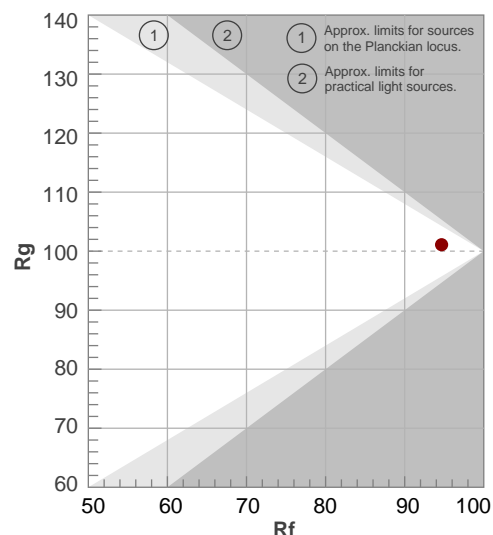
Rf 94,7

Fidelity index Rf

Rg 101,1

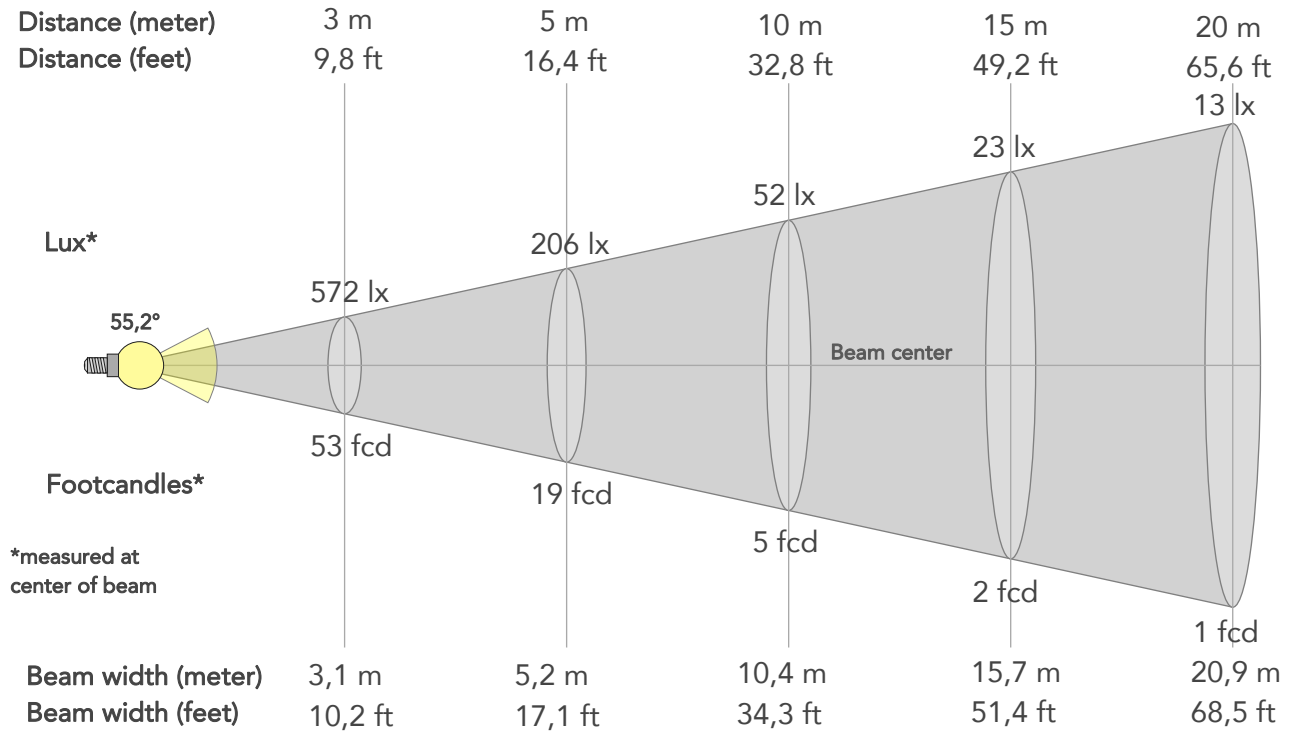
Gammut index

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



BEAM DETAILS

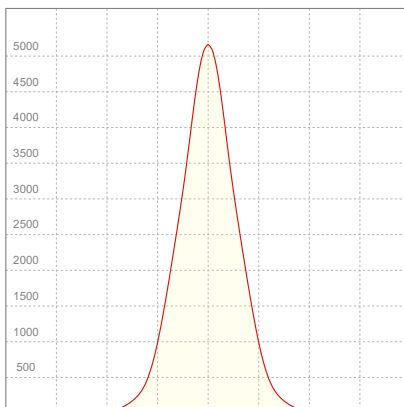
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,2°	106,5°	142,6°	93,9%	80,6%



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	5152lx	1288lx	572lx	322lx	206lx	92lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	479fcd	120fcd	53fcd	30fcd	19fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,4m	15,7m	20,9m	26,1m	31,3m	41,8m	52,2m
Beam wid.	3,4ft	6,9ft	10,2ft	13,7ft	17,1ft	25,7ft	34,3ft	51,4ft	68,5ft	85,7ft	102,8ft	137,1ft	171,3ft

LINEAR DISTRIBUTION DIAGRAM

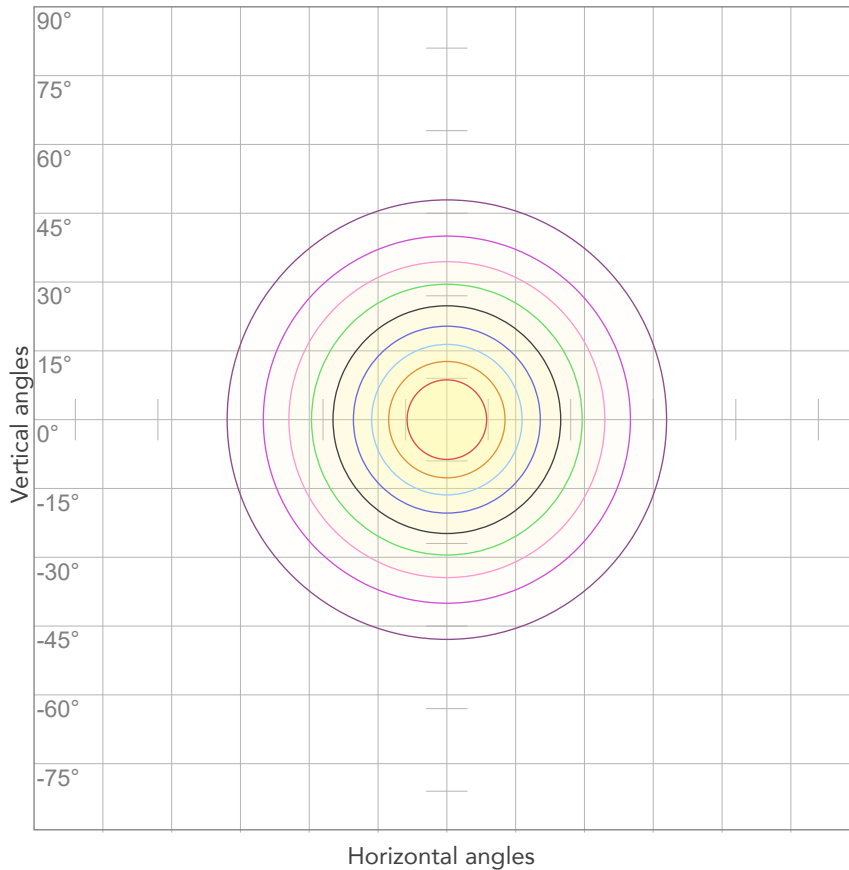


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,556A	123,1W	0,97	45lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



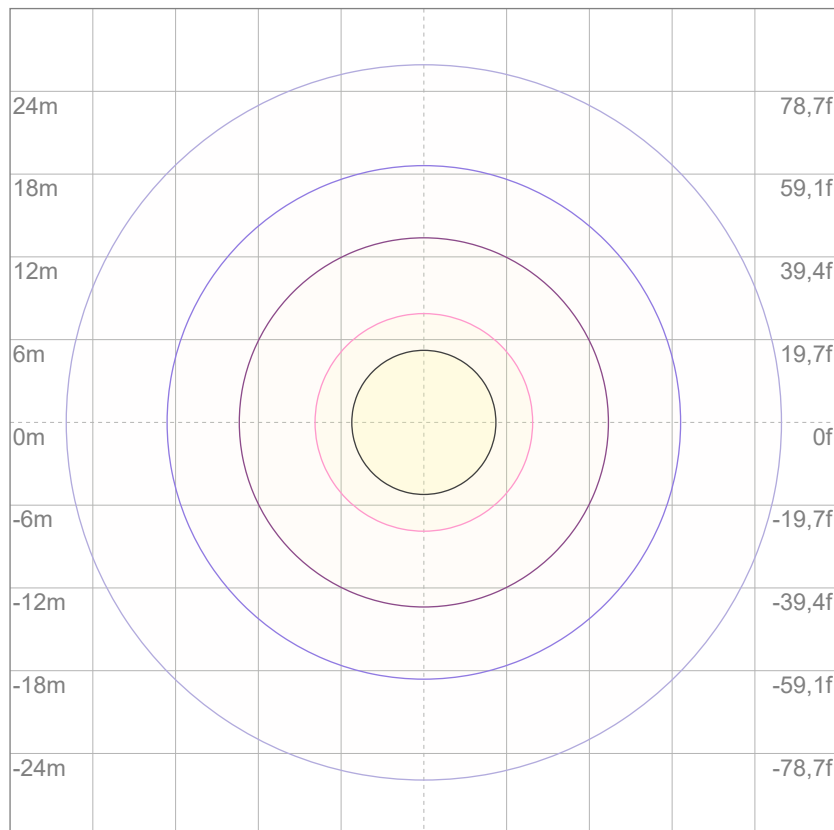
10%	515 cd
20%	1030 cd
30%	1546 cd
40%	2061 cd
50%	2576 cd
60%	3091 cd
70%	3606 cd
80%	4122 cd

Conditions:

Number of c-planes: 2

Candela at center: 5152 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 51,5 lx

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



Total lumen output:

8044 lm

Peak candela output:

17435 cd

Light quality:

CRI: 95,6

Color temperature:

3196 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

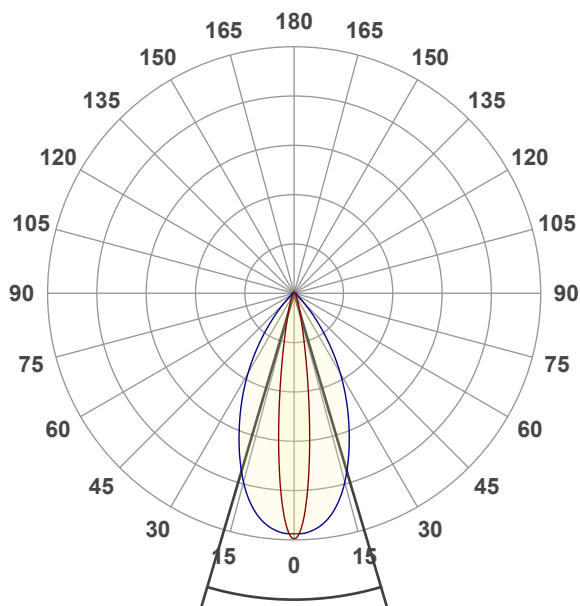
3200K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:54:20

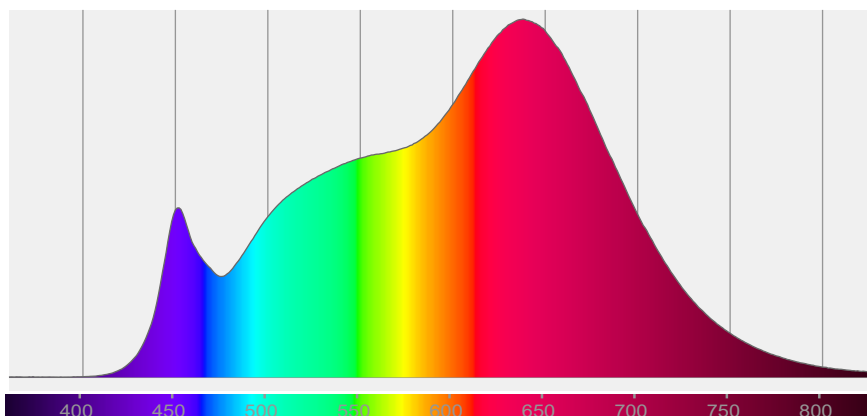


Beam angle 50%: 33°

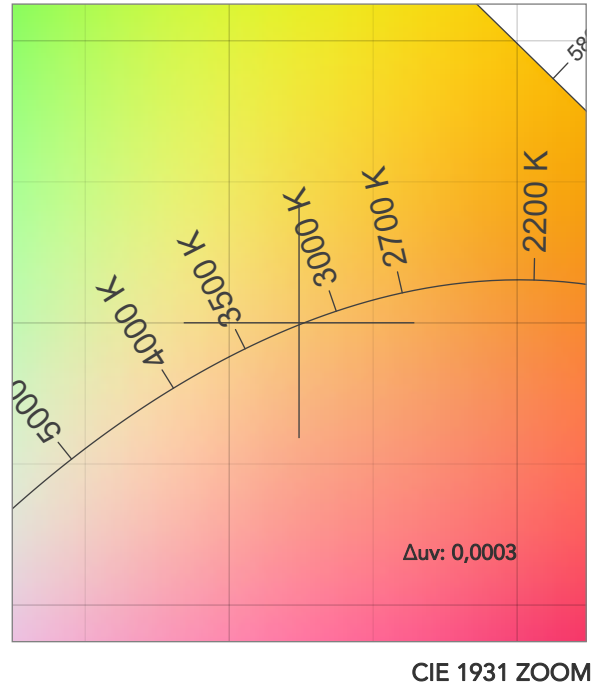
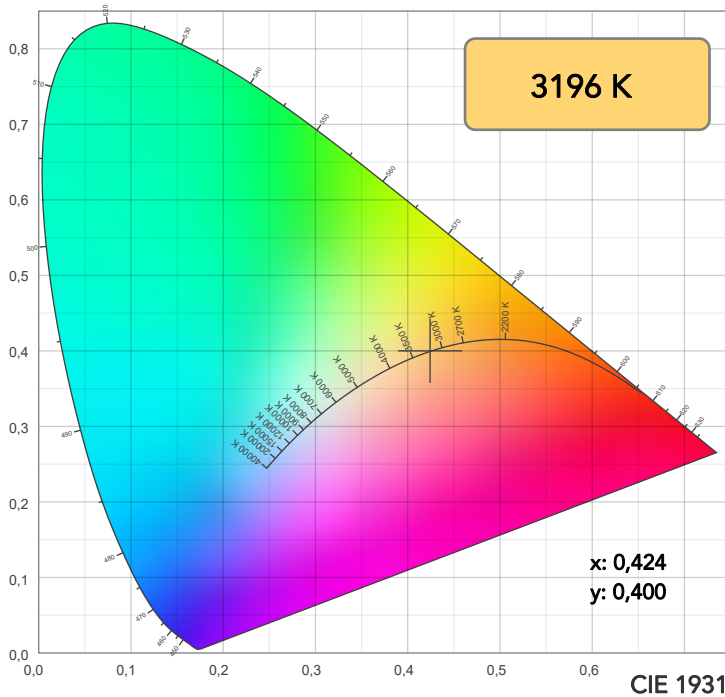
Field angle 10%: 57,8°

Cut off angle 2.5%: 80,8°

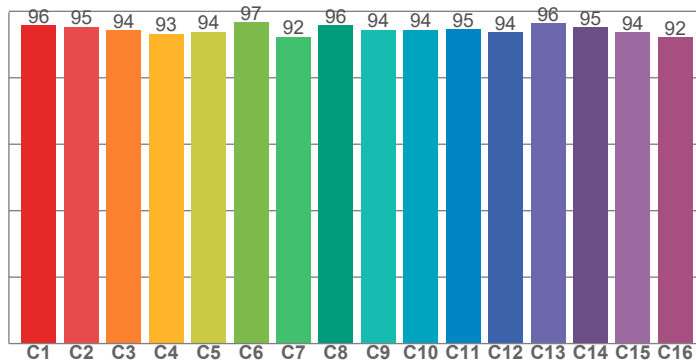
Spectra



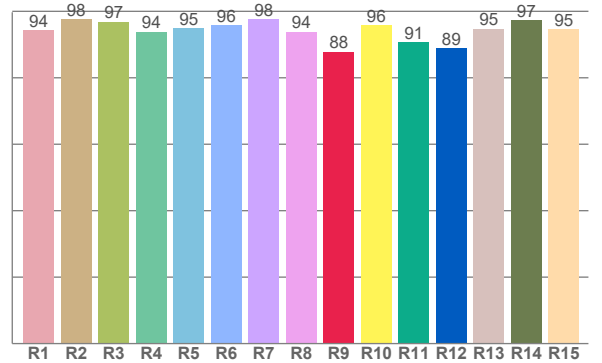
COLOR DETAILS



TM30: 94,5



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,3	97,6	96,9	93,8	94,8	95,9	97,6	93,9	87,8	95,8	90,7	88,9	94,8	97,3	94,5

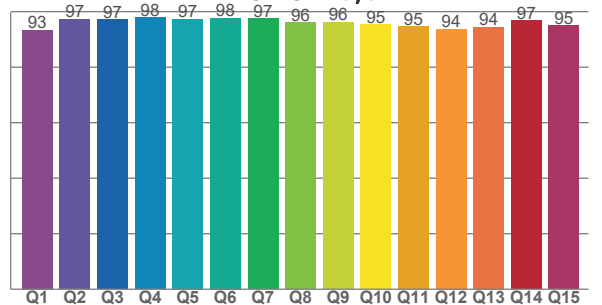
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,4	97,3	97,1	97,8	97,4	97,7	97,4	96,0	96,2	95,3	94,6	93,7	94,5	96,8	95,0

CQS: 95,6



COLOR PARAMETERS

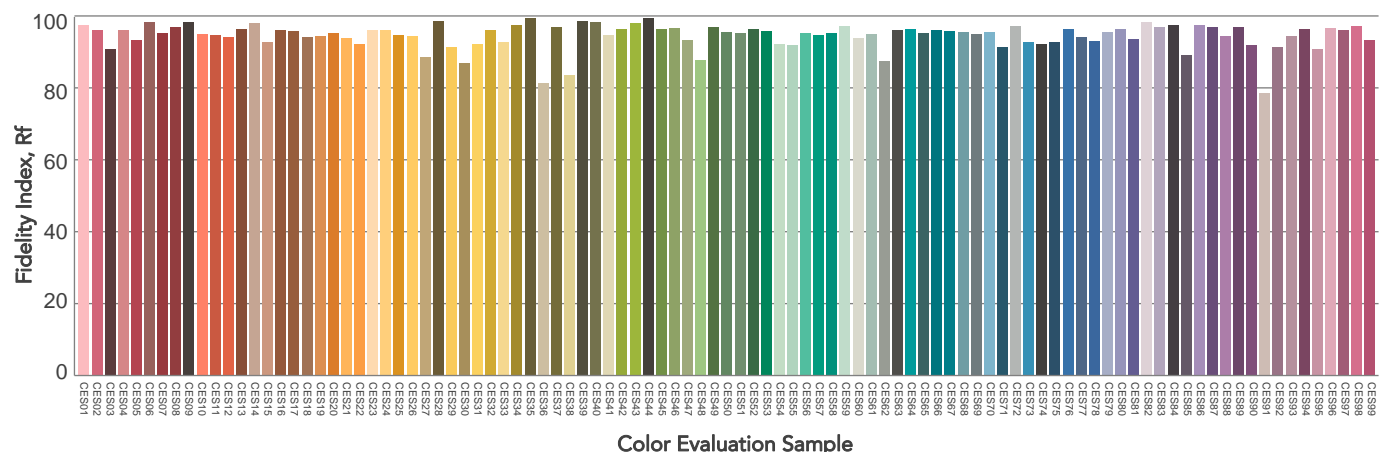
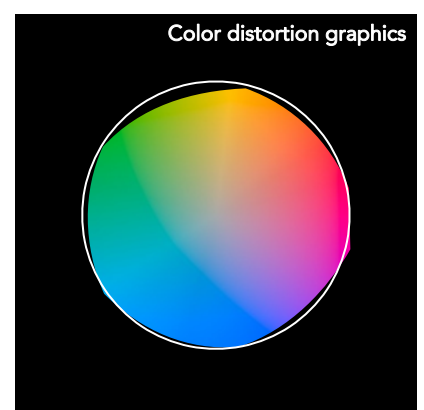
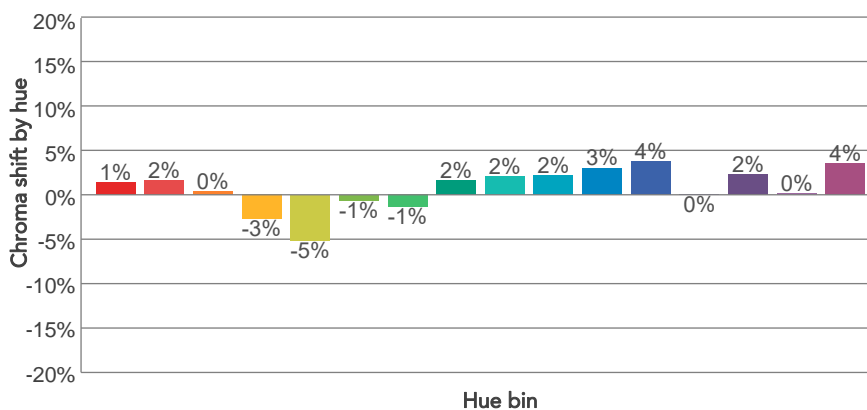
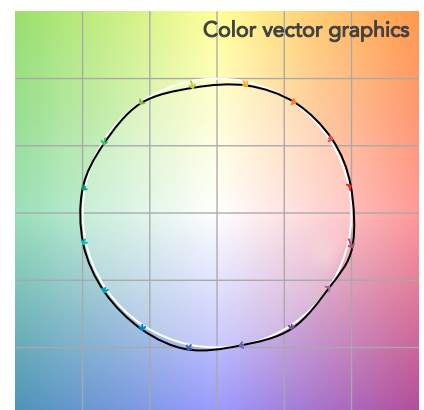
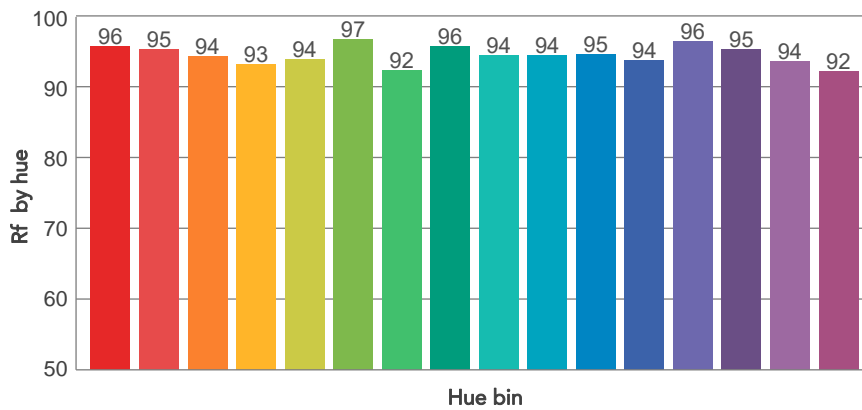
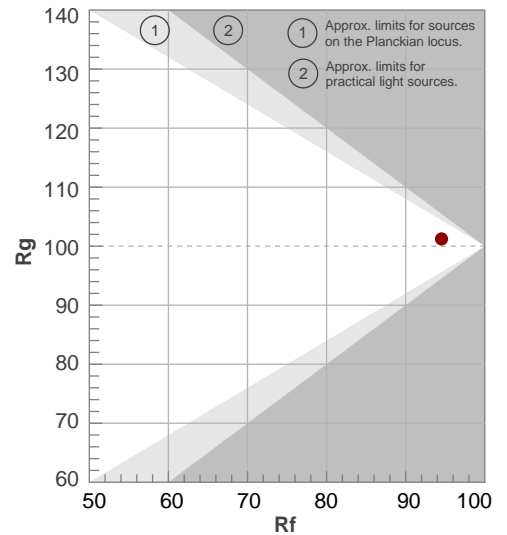
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3196 K	95,6	87,8	94,5	101,2	95,6	99	0,424	0,400	0,0003

TM30 DETAILS

Rf 94,5
Fidelity index Rf

Rg 101,2
Gammut index

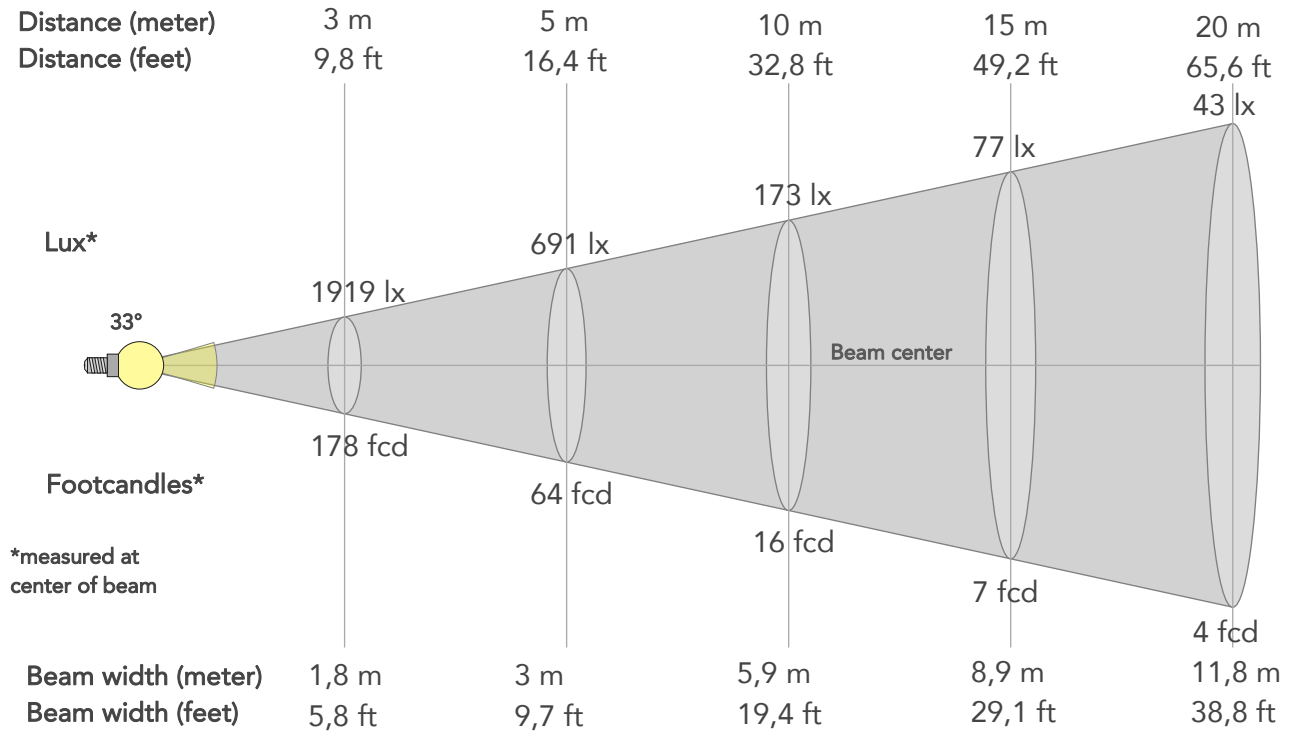
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	1%	0%
2	95	2%	-2%
3	94	0%	-3%
4	93	-3%	-3%
5	94	-5%	-1%
6	97	-1%	2%
7	92	-1%	4%
8	96	2%	2%
9	94	2%	3%
10	94	2%	2%
11	95	3%	2%
12	94	4%	-2%
13	96	0%	-3%
14	95	2%	-2%
15	94	0%	1%
16	92	4%	-5%



BEAM DETAILS



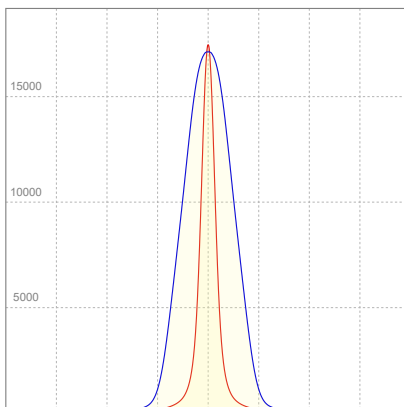
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33°	57,8°	80,8°	97,0%	92,1%



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	17269lx	4317lx	1919lx	1079lx	691lx	307lx	173lx	77lx	43lx	28lx	19lx	11lx	7lx
Footcand.	1604fcd	401fcd	178fcd	100fcd	64fcd	29fcd	16fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,4m	5,9m	8,9m	11,8m	14,8m	17,8m	23,7m	29,6m
Beam wid.	2ft	3,9ft	5,8ft	7,8ft	9,7ft	14,6ft	19,4ft	29,1ft	38,8ft	48,5ft	58,2ft	77,6ft	97ft

LINEAR DISTRIBUTION DIAGRAM

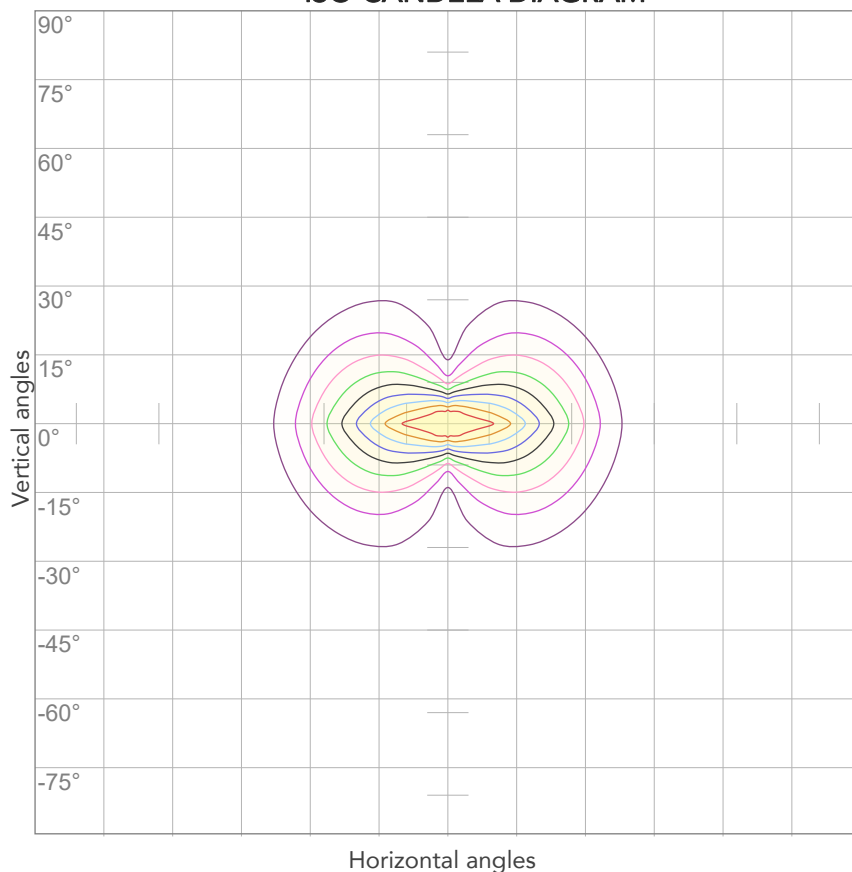


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,549A	121,7W	0,97	66lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



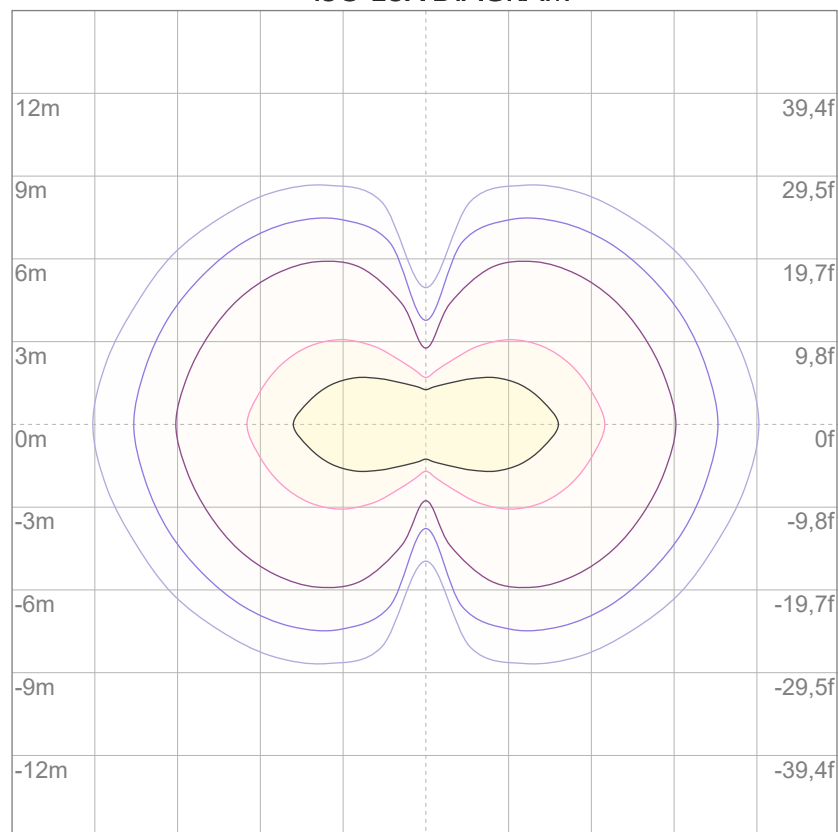
10%	1727 cd
20%	3454 cd
30%	5181 cd
40%	6907 cd
50%	8634 cd
60%	10361 cd
70%	12088 cd
80%	13815 cd

Conditions:

Number of c-planes: 4

Candela at center: 17269 cd

ISO LUX DIAGRAM



3%	5,18 lx
5%	8,63 lx
10%	17,3 lx
30%	51,8 lx
50%	86,3 lx

Conditions:

Number of c-planes: 4

Lux at center: 173 lx

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



Total lumen output:

6009 lm

Peak candela output:

8991 cd

Light quality:

CRI: 95,7

Color temperature:

3190 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x 60° Filter

Target:

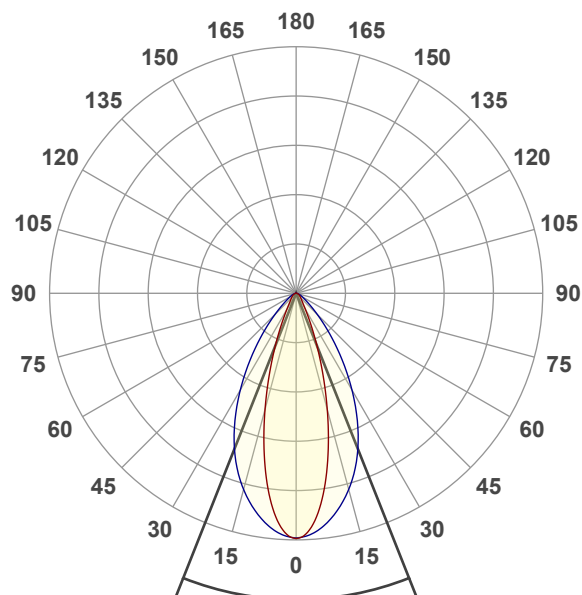
3200K

Operator:

Salvatore Giglio

Date and time:

16/04/2024 17:09:28

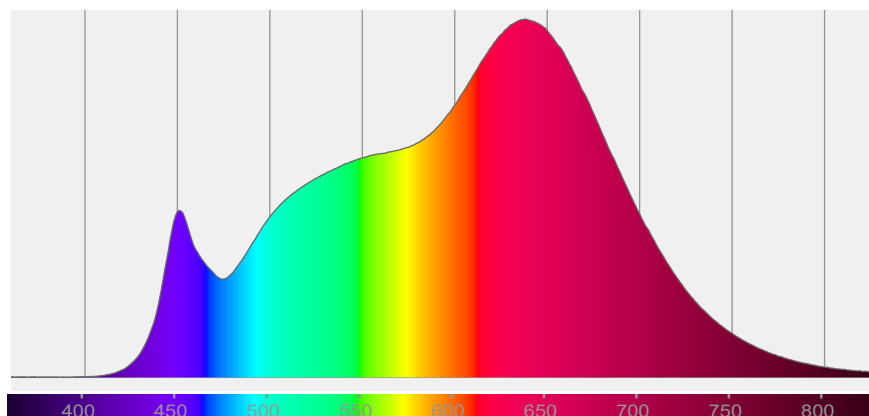


Beam angle 50%: 43,3°

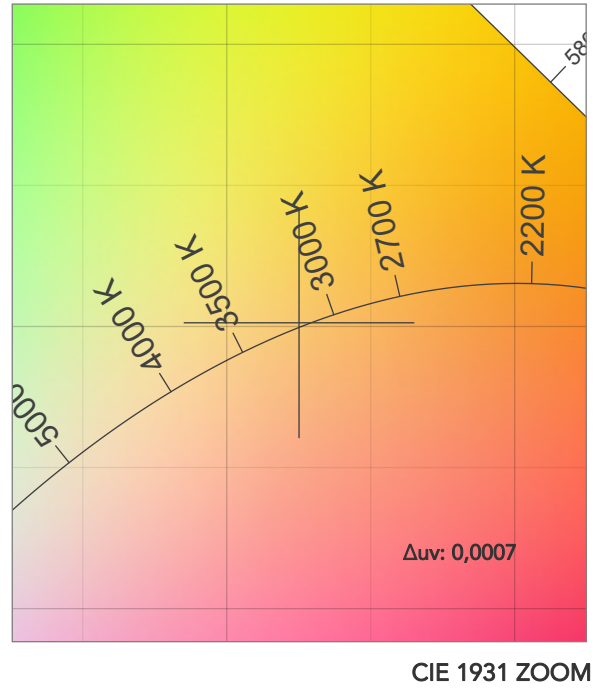
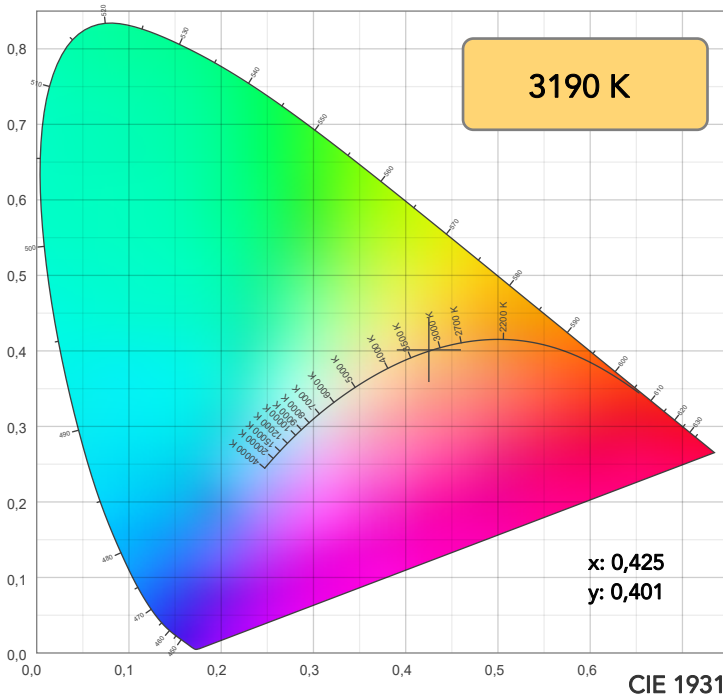
Field angle 10%: 74,6°

Cut off angle 2.5%: 108,2°

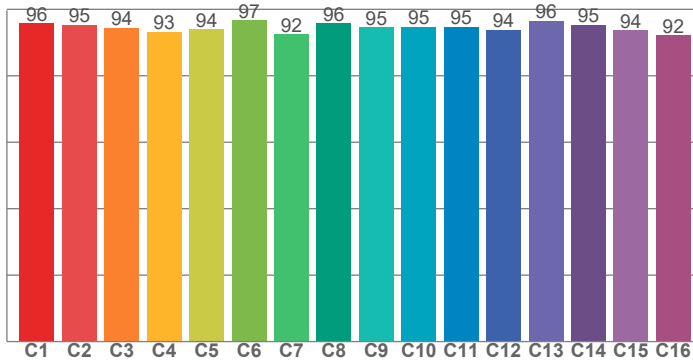
Spectra



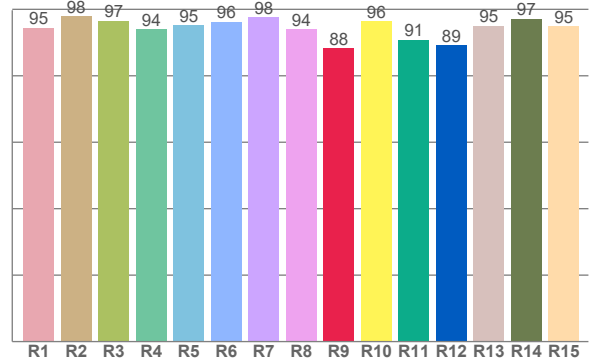
COLOR DETAILS



TM30: 94,6



CRI: 95,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,5	97,9	96,6	93,9	95,1	96,3	97,5	93,9	88,2	96,4	90,8	89,1	95,1	97,2	94,8

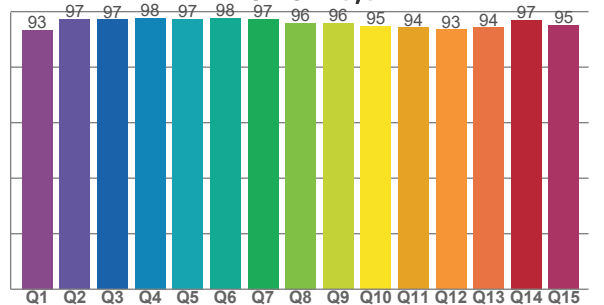
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,5



COLOR PARAMETERS

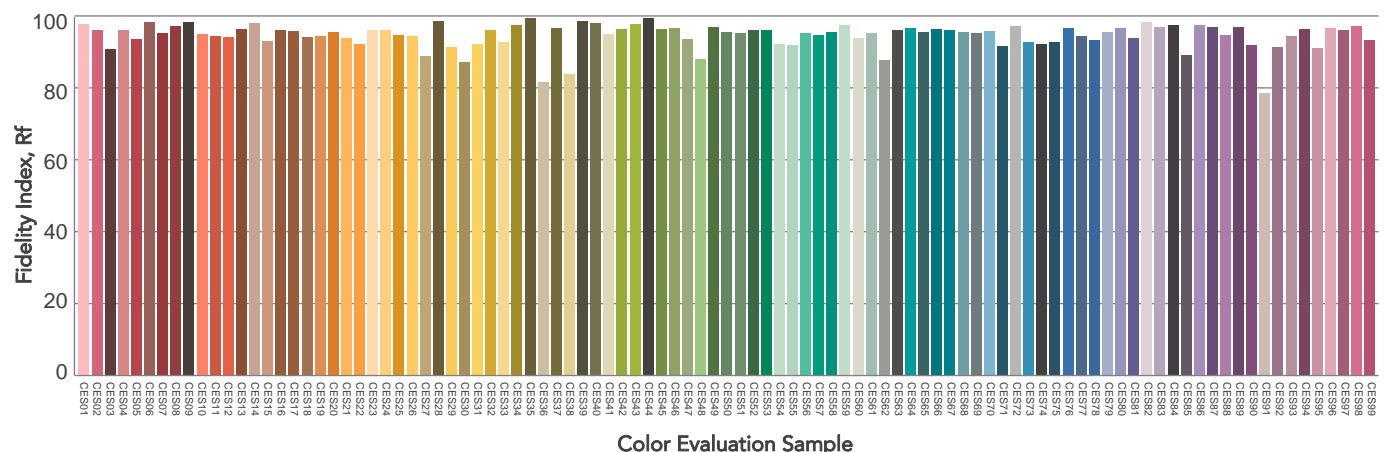
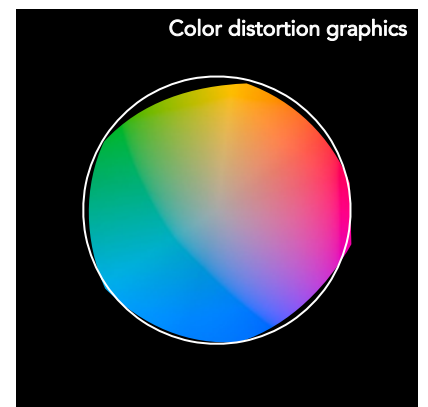
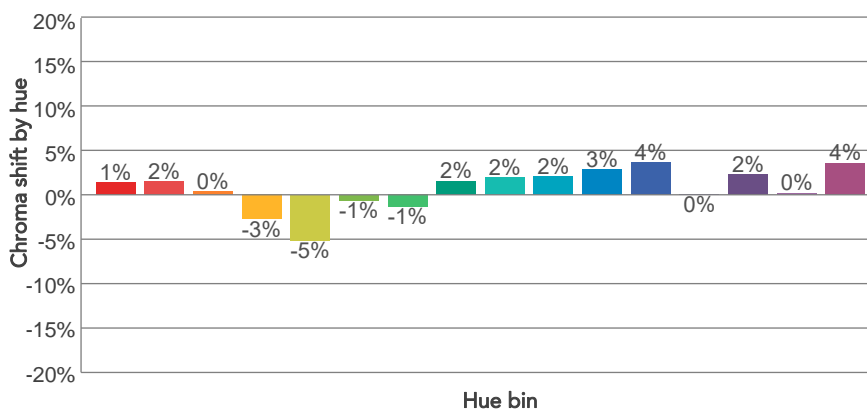
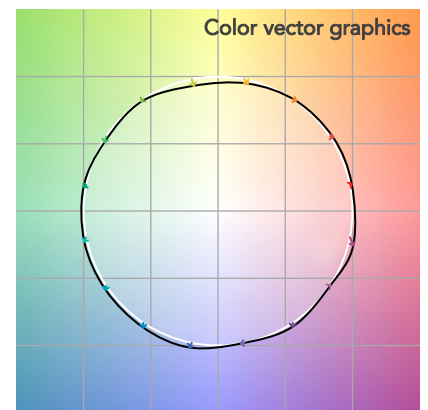
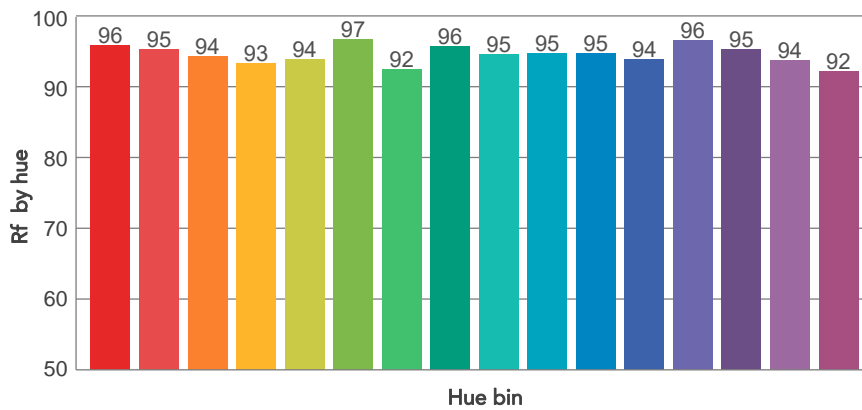
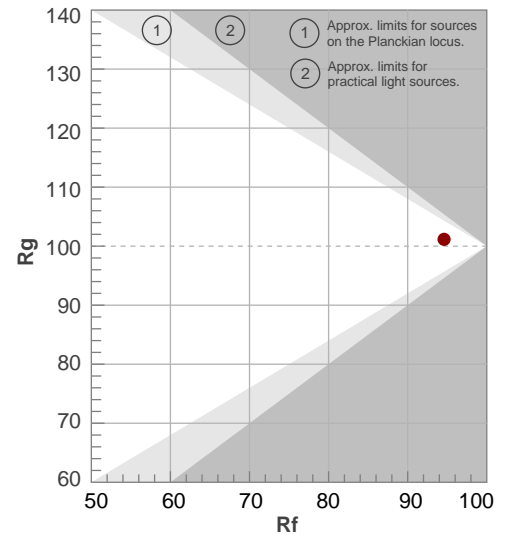
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3190 K	95,7	88,2	94,6	101,2	95,5	99	0,425	0,401	0,0007

TM30 DETAILS

Rf 94,6
Fidelity index Rf

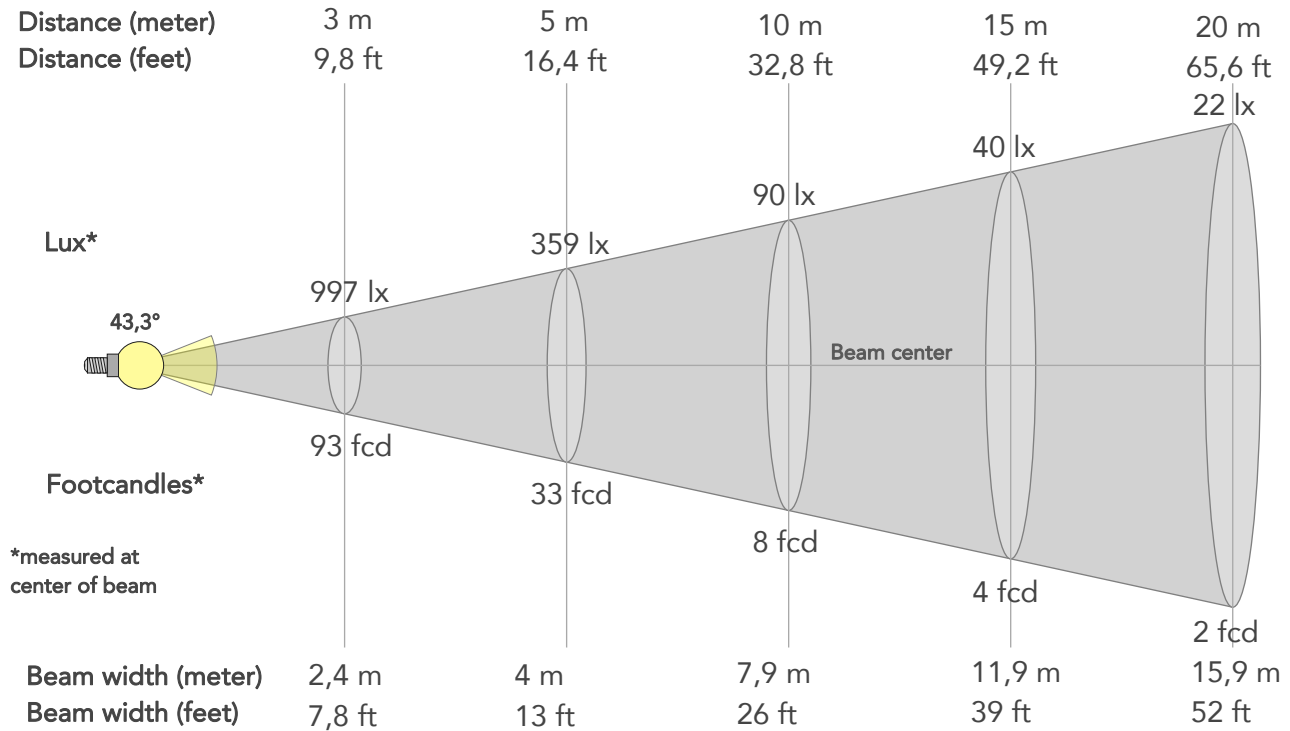
Rg 101,2
Gammut index

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



BEAM DETAILS

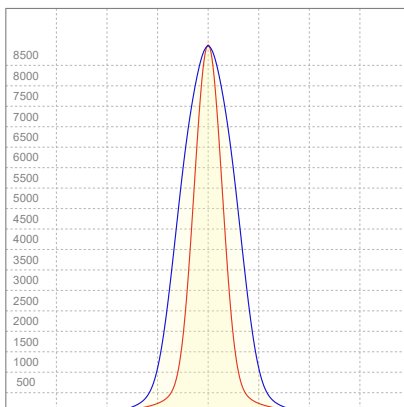
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,3°	74,6°	108,2°	95,9%	88,2%



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	8977lx	2244lx	997lx	561lx	359lx	160lx	90lx	40lx	22lx	14lx	10lx	6lx	4lx
Footcand.	834fcd	209fcd	93fcd	52fcd	33fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	5,9m	7,9m	11,9m	15,9m	19,8m	23,8m	31,7m	39,7m
Beam wid.	2,6ft	5,2ft	7,8ft	10,4ft	13ft	19,5ft	26ft	39ft	52ft	65ft	78ft	104ft	130,1ft

LINEAR DISTRIBUTION DIAGRAM

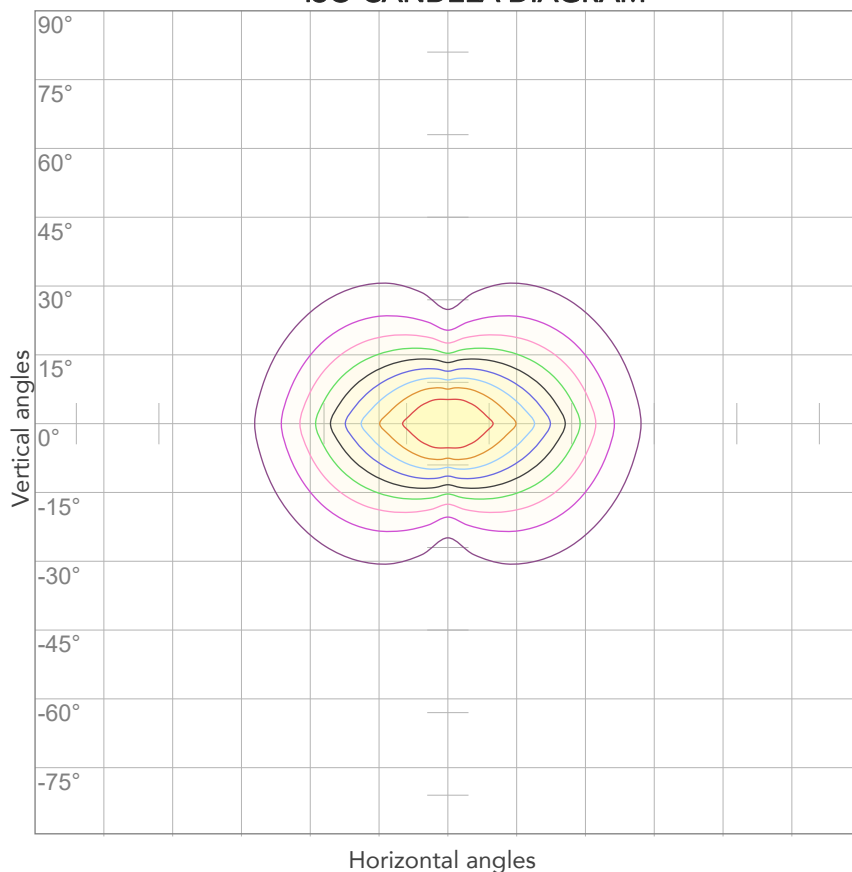


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,557A	122,7W	0,97	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



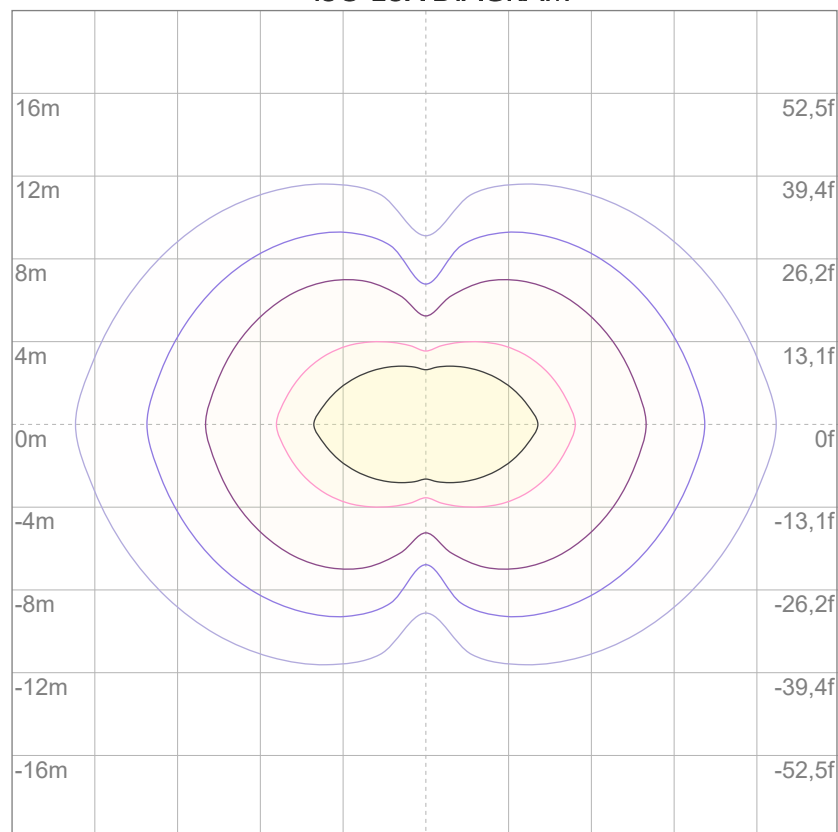
10%	898 cd
20%	1795 cd
30%	2693 cd
40%	3591 cd
50%	4489 cd
60%	5386 cd
70%	6284 cd
80%	7182 cd

Conditions:

Number of c-planes: 4

Candela at center: 8977 cd

ISO LUX DIAGRAM



3%	2,69 lx
5%	4,49 lx
10%	8,98 lx
30%	26,9 lx
50%	44,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 89,8 lx

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



Total lumen output:

7824 lm

Peak candela output:

152692 cd

Light quality:

CRI: 95,9

Color temperature:

4095 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

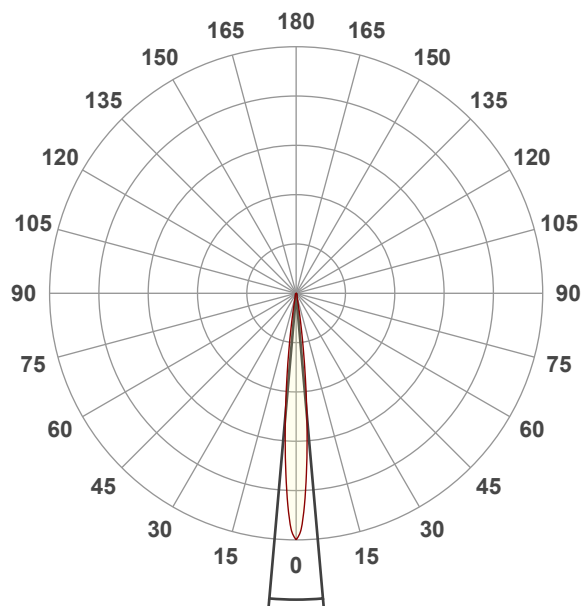
4000K

Operator:

Salvatore Giglio

Date and time:

10/05/2024 16:58:01

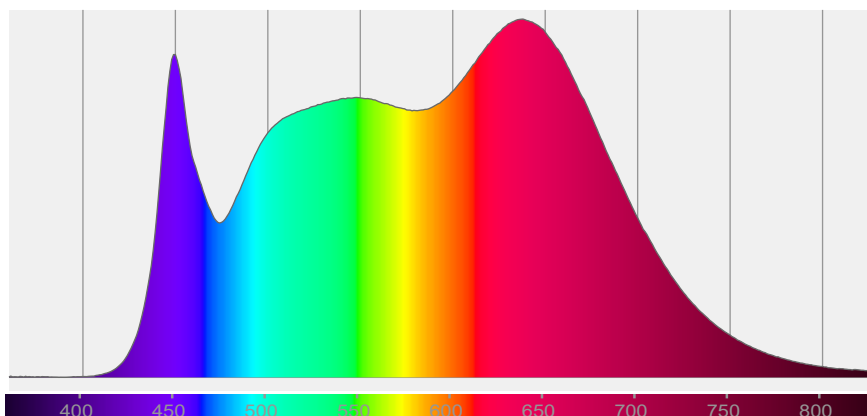


Beam angle 50%: 10°

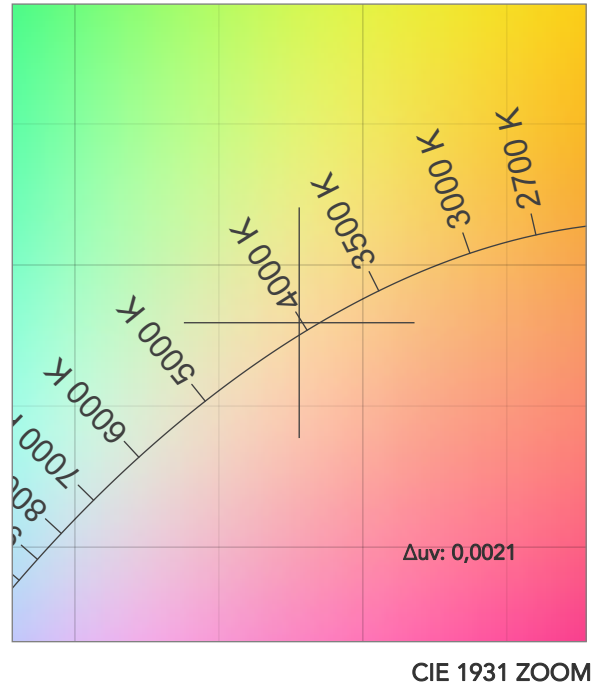
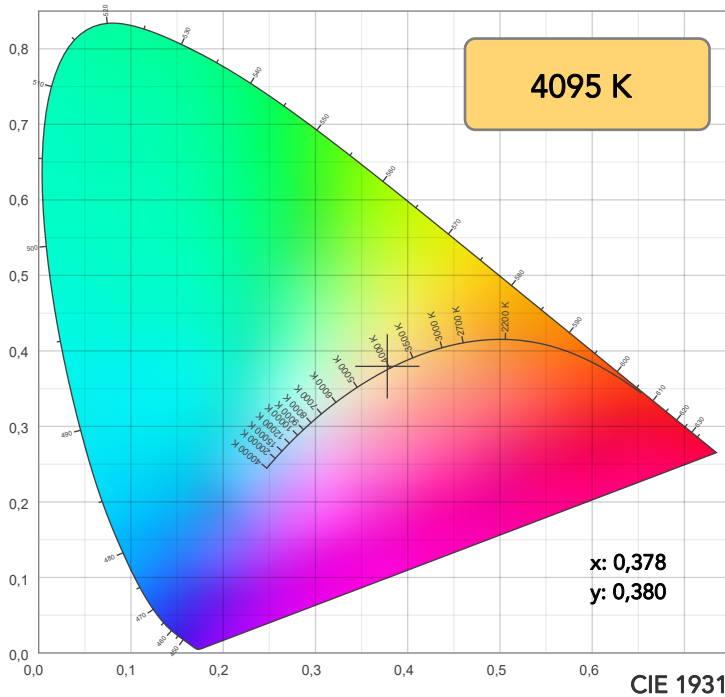
Field angle 10%: 18,3°

Cut off angle 2.5%: 24,7°

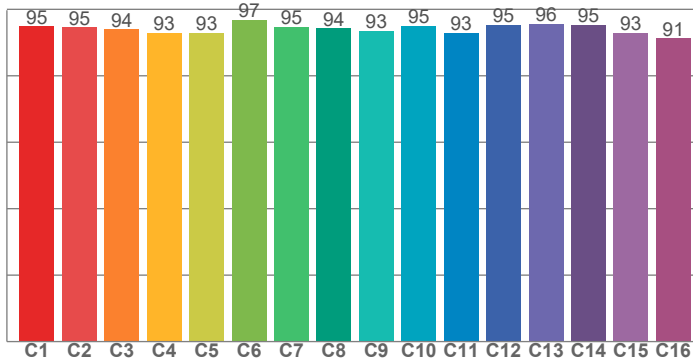
Spectra



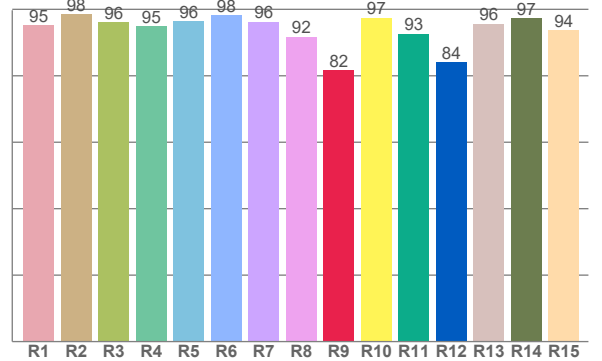
COLOR DETAILS



TM30: 94,0



CRI: 95,9 (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
95,1	98,5	96,1	95,0	96,5	98,2	96,3	91,8	81,7	97,5	92,6	84,2	95,7	97,3	93,7

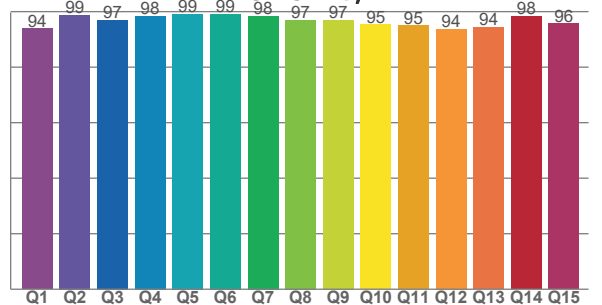
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	94,6	93,9	92,8	93,0	96,8	94,8	94,3	93,5	95,1	92,9	95,3	95,7	95,4	93,0	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,8	98,8	97,0	98,4	99,1	99,1	98,4	97,0	96,9	95,3	94,9	93,7	94,4	98,3	95,7

CQS: 96,2



COLOR PARAMETERS

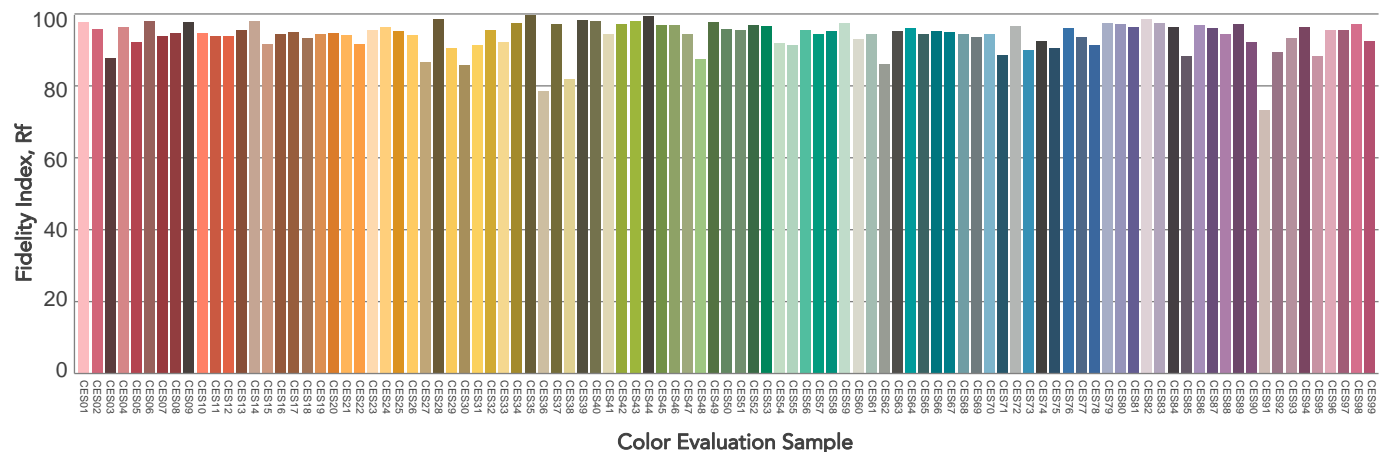
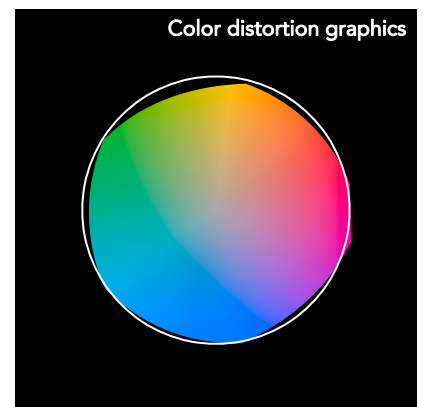
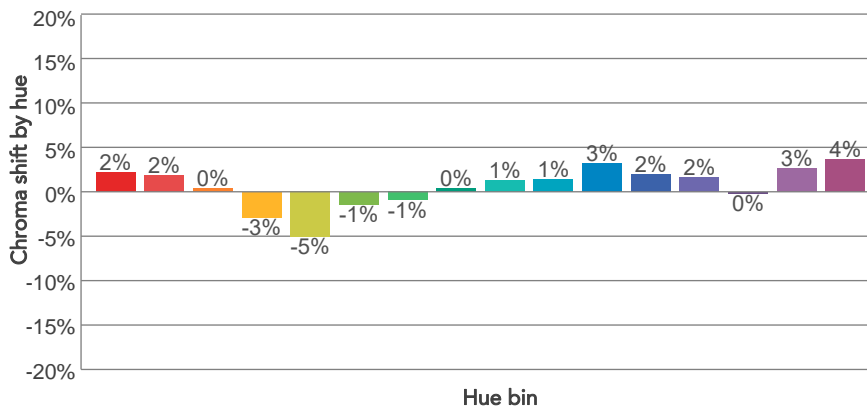
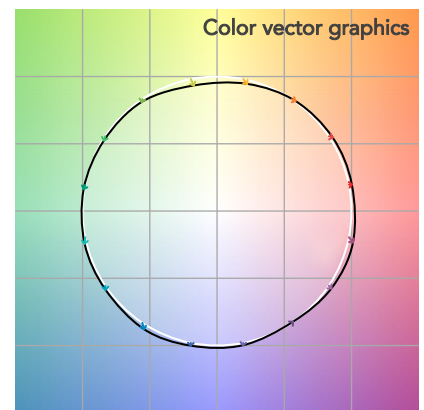
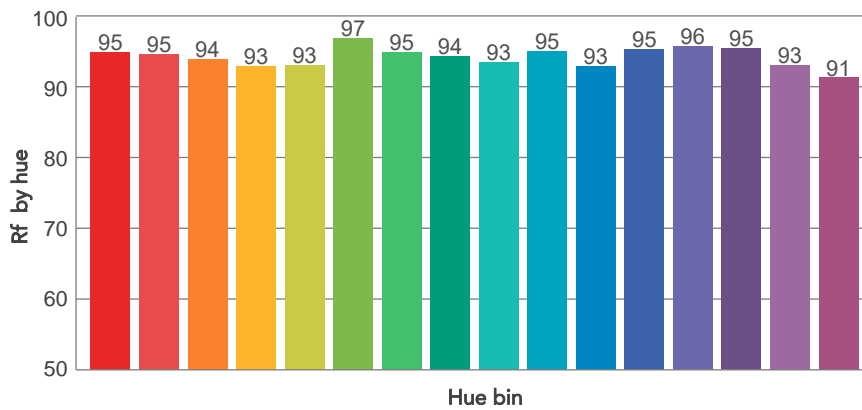
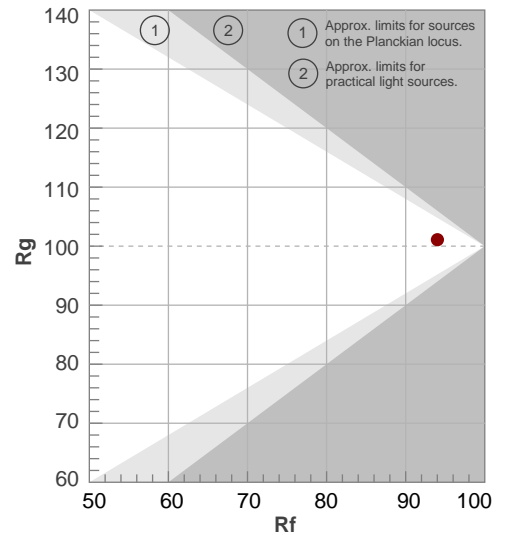
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4095 K	95,9	81,7	94,0	101,1	96,2	99	0,378	0,380	0,0021

TM30 DETAILS

Rf 94,0
Fidelity index Rf

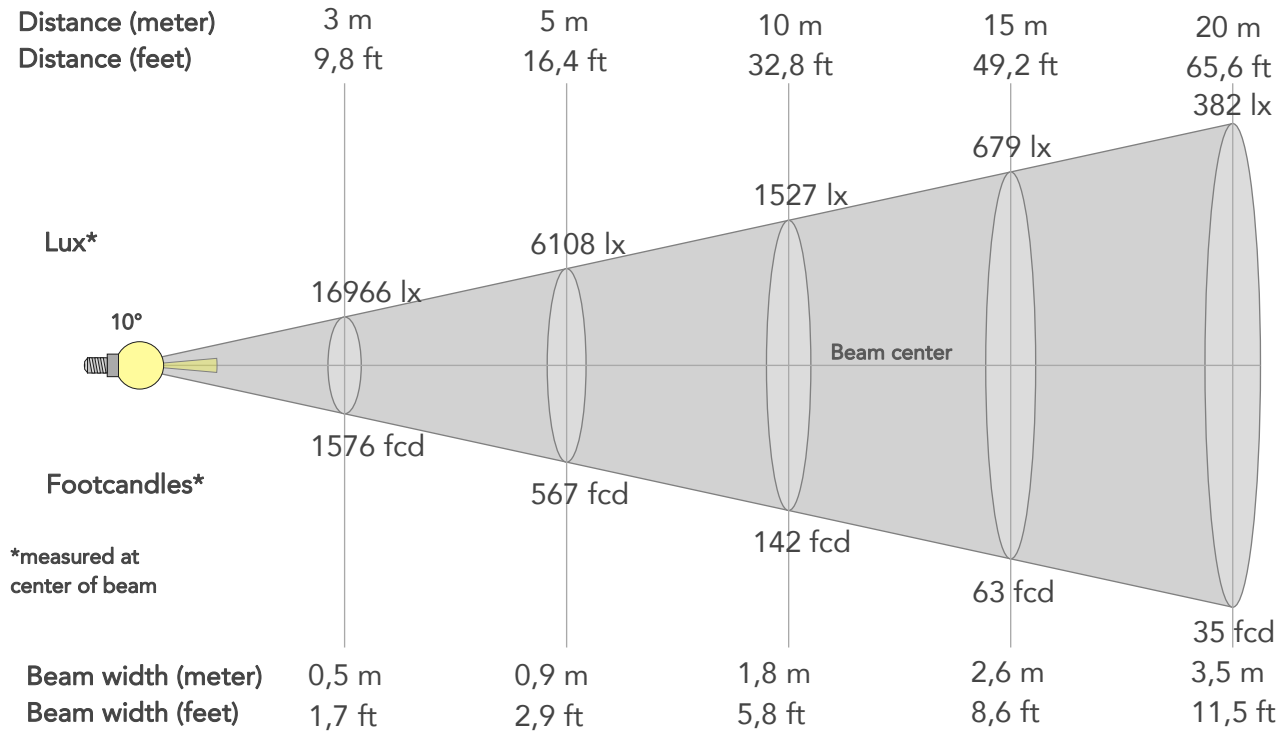
Rg 101,1
Gammut index

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



BEAM DETAILS

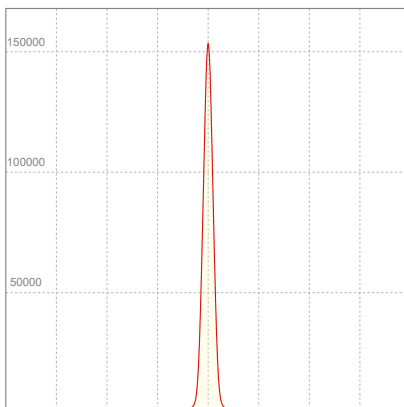
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10°	18,3°	24,7°	90,4%	85,9%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	152692lx	38173lx	16966lx	9543lx	6108lx	2715lx	1527lx	679lx	382lx	244lx	170lx	95lx	61lx
Footcand.	14186fcd	3546fcd	1576fcd	887fcd	567fcd	252fcd	142fcd	63fcd	35fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,6m	3,5m	4,4m	5,3m	7m	8,8m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,3ft	5,8ft	8,6ft	11,5ft	14,4ft	17,3ft	23ft	28,8ft

LINEAR DISTRIBUTION DIAGRAM

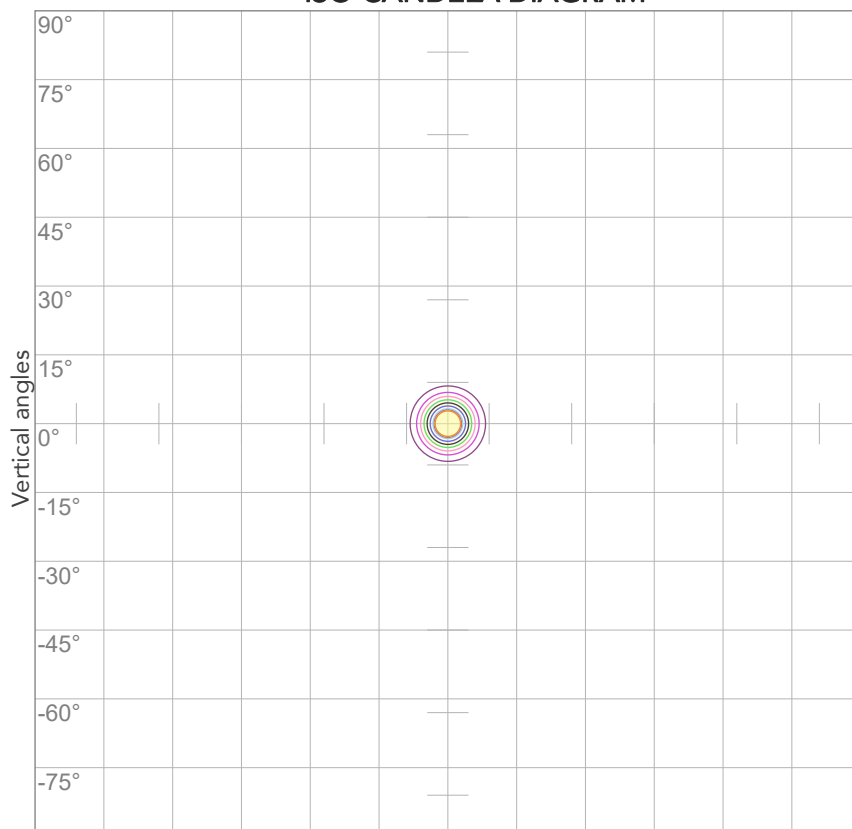


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,565A	124,6W	0,97	63lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



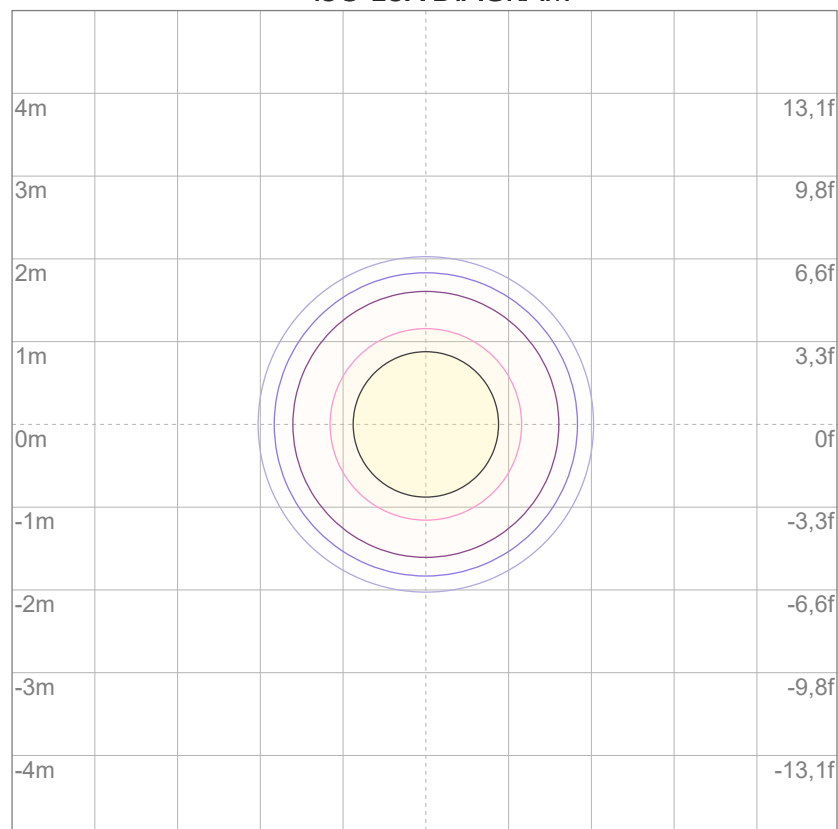
10%	15269 cd
20%	30538 cd
30%	45808 cd
40%	61077 cd
50%	76346 cd
60%	91615 cd
70%	106884 cd
80%	122153 cd

Conditions:

Number of c-planes: 2

Candela at center: 152692 cd

ISO LUX DIAGRAM



3%	45,8 lx
5%	76,3 lx
10%	153 lx
30%	458 lx
50%	763 lx

Conditions:

Number of c-planes: 2

Lux at center: 1527 lx

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



Total lumen output:

6490 lm

Peak candela output:

27145 cd

Light quality:

CRI: 96,1

Color temperature:

4052 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

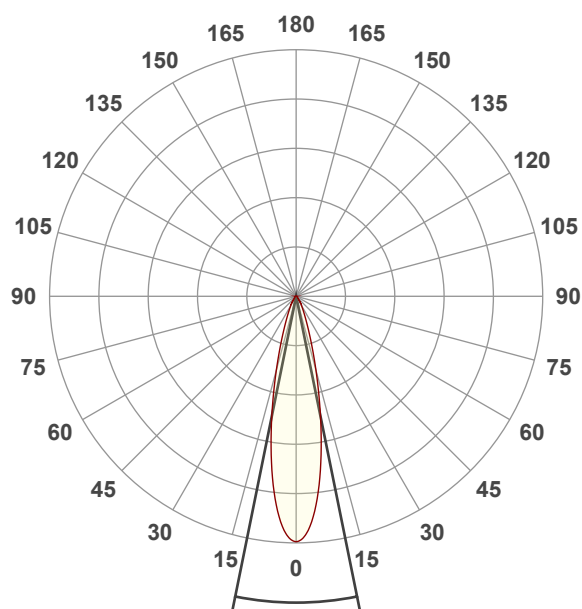
4000K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:13:36

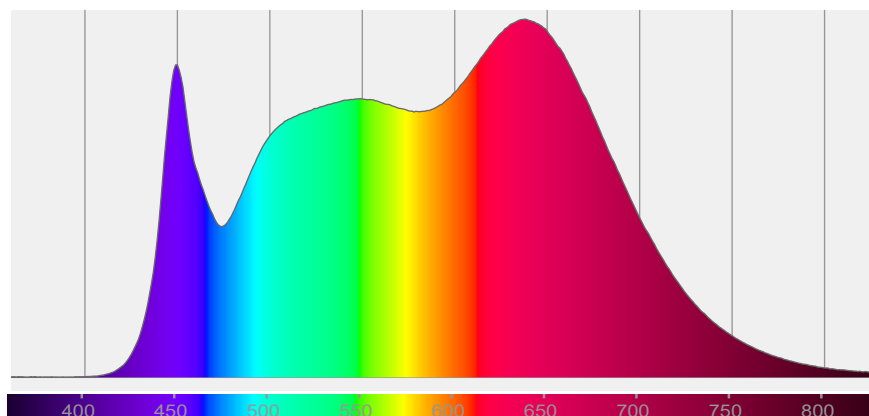


Beam angle 50%: 22,9°

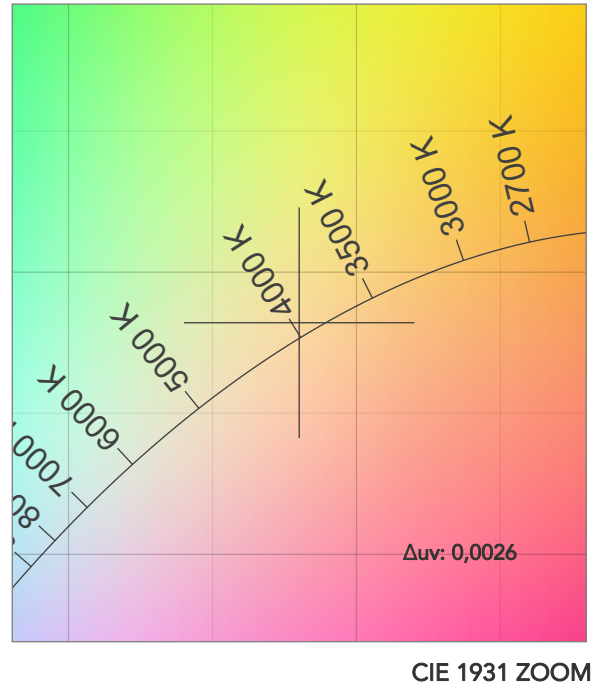
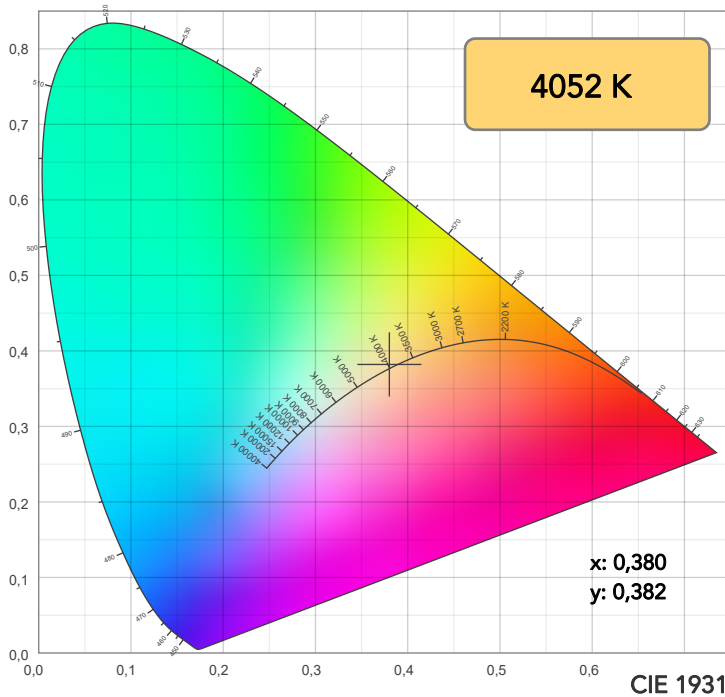
Field angle 10%: 45,8°

Cut off angle 2.5%: 70,6°

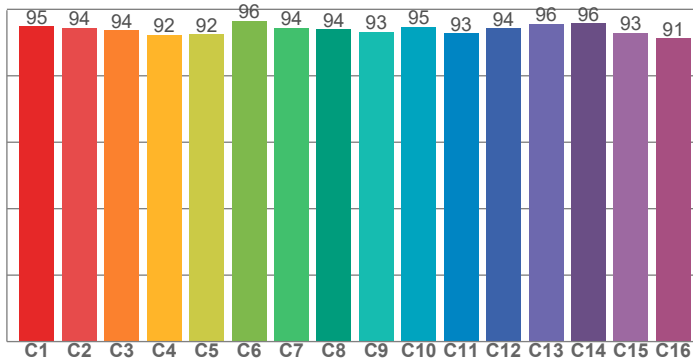
Spectra



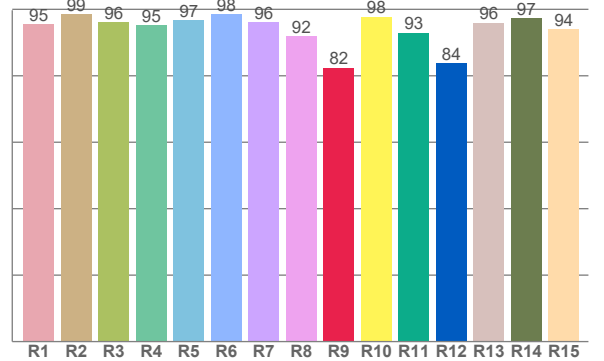
COLOR DETAILS



TM30: 93,8



CRI: 96,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,5	98,6	96,0	95,2	96,8	98,5	96,2	92,0	82,5	97,8	93,0	83,8	96,0	97,3	94,0

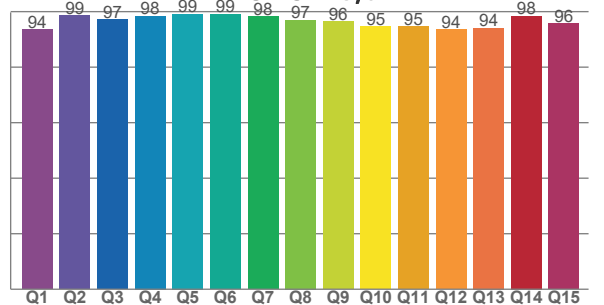
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	94,5	93,6	92,4	92,5	96,5	94,5	94,0	93,2	94,7	92,8	94,3	95,7	95,7	92,9	91,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,6	98,6	97,2	98,4	99,1	99,0	98,2	97,0	96,5	94,7	94,6	93,5	94,2	98,4	95,7

CQS: 96,0



COLOR PARAMETERS

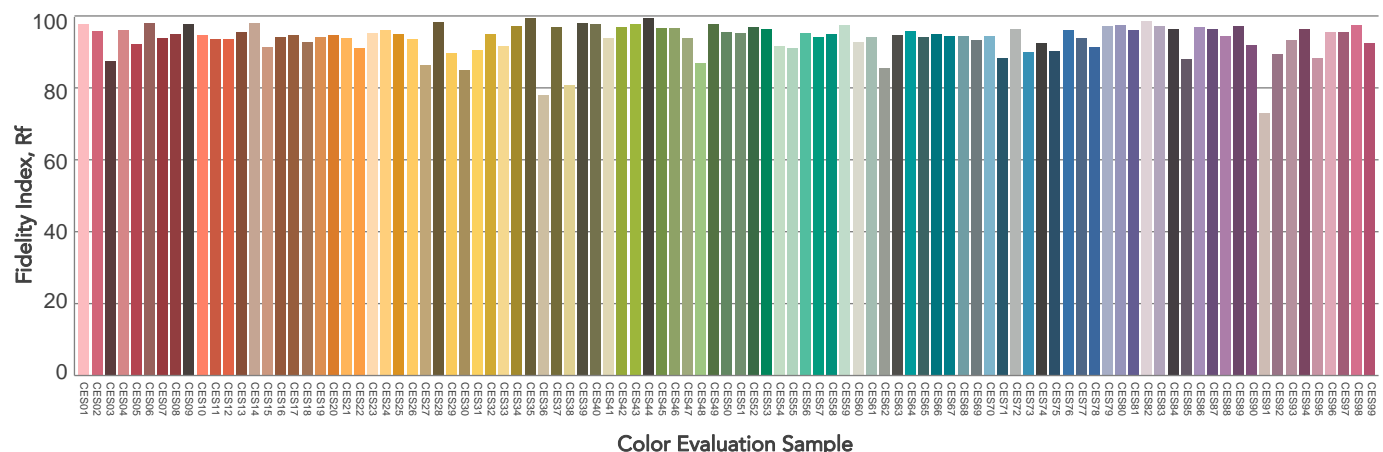
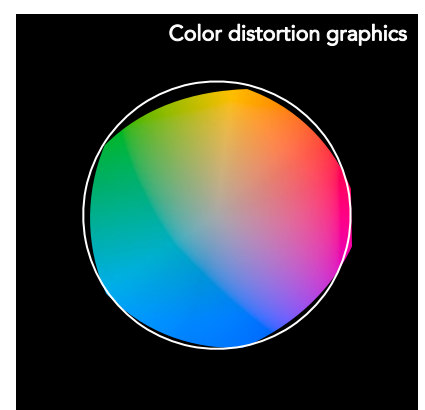
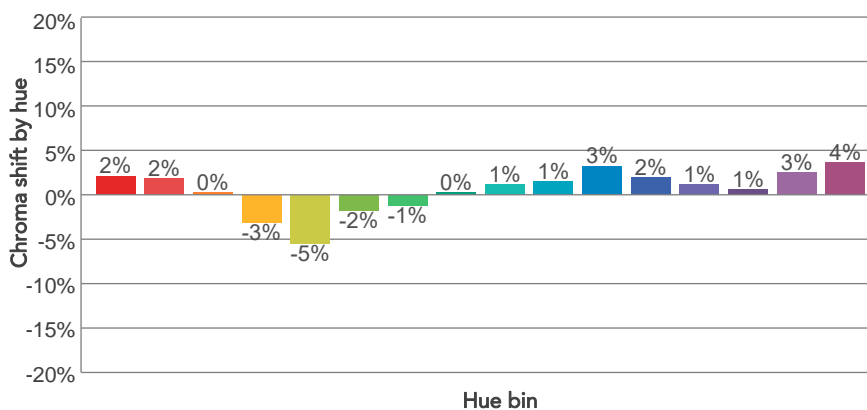
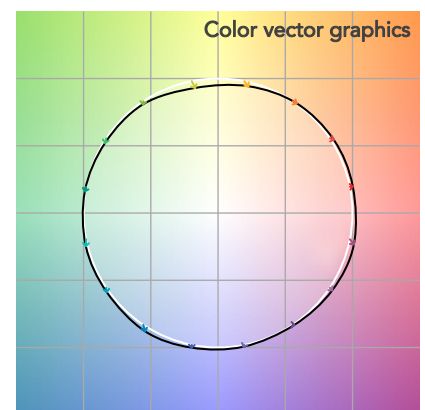
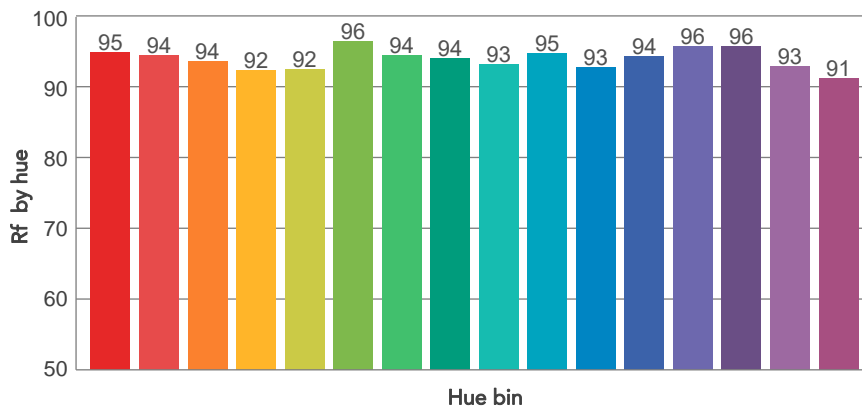
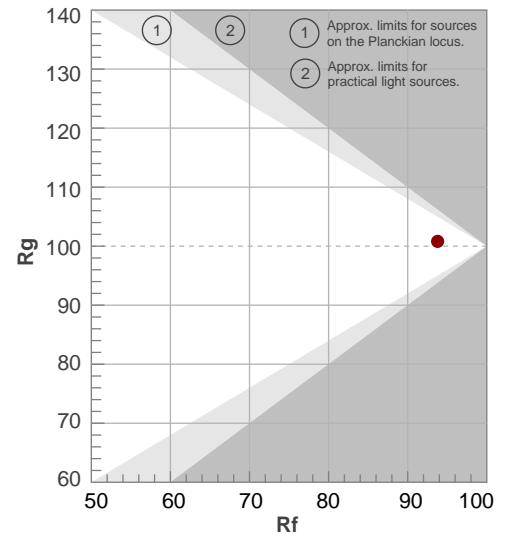
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4052 K	96,1	82,5	93,8	100,8	96,0	99	0,380	0,382	0,0026

TM30 DETAILS

Rf 93,8
Fidelity index Rf

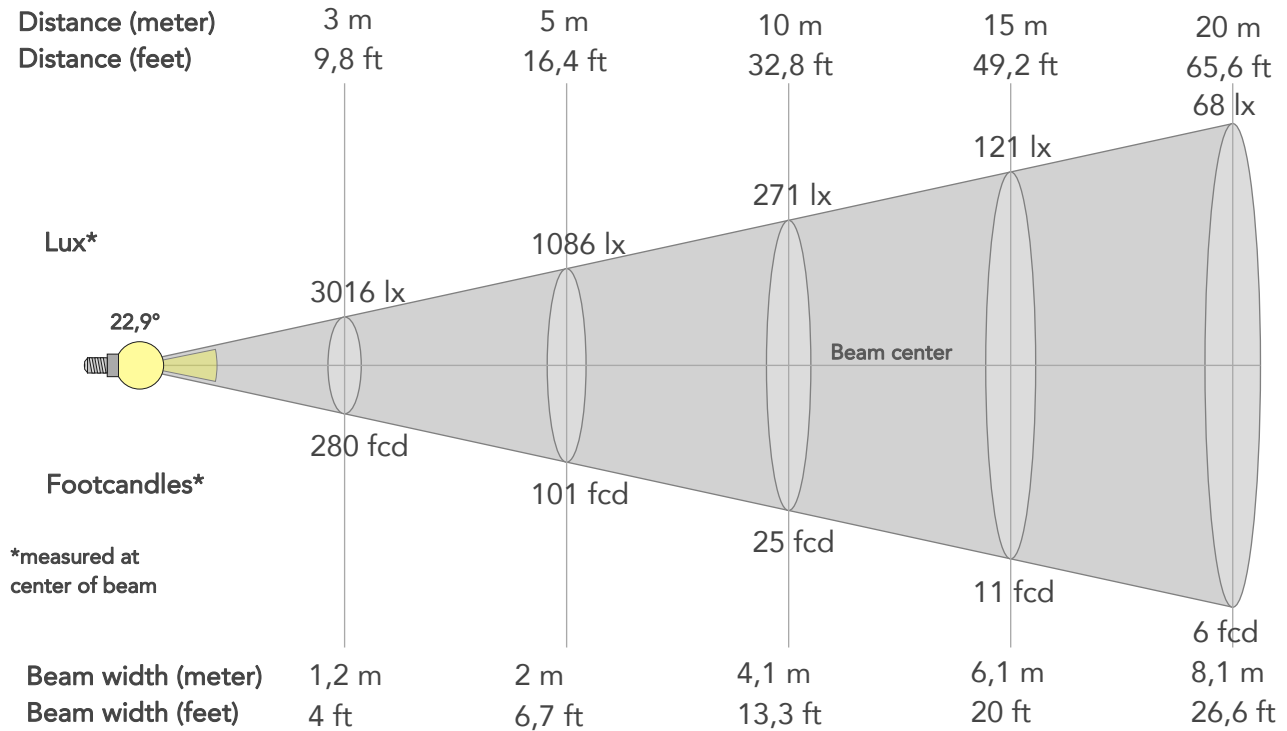
Rg 100,8
Gammut index

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



BEAM DETAILS

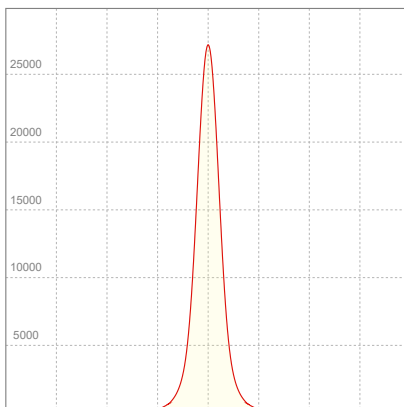
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,9°	45,8°	70,6°	96,5%	92,3%



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	27145lx	6786lx	3016lx	1697lx	1086lx	483lx	271lx	121lx	68lx	43lx	30lx	17lx	11lx
Footcand.	2522fcd	630fcd	280fcd	158fcd	101fcd	45fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,1m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	39,9ft	53,2ft	66,6ft

LINEAR DISTRIBUTION DIAGRAM

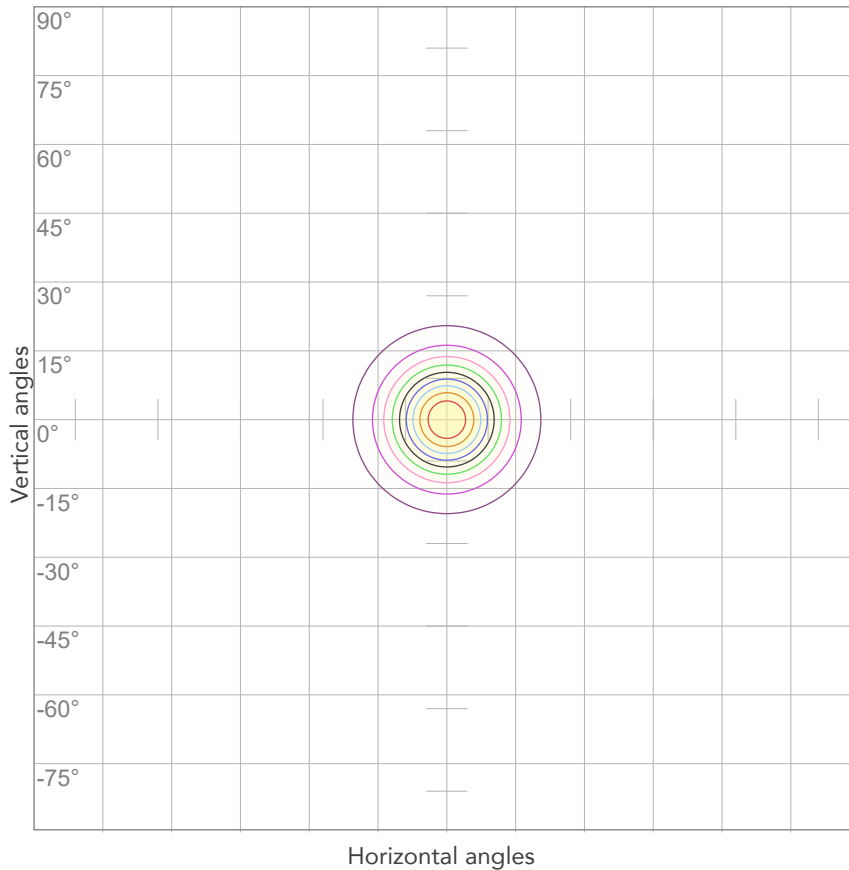


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,574A	125,9W	0,97	52lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



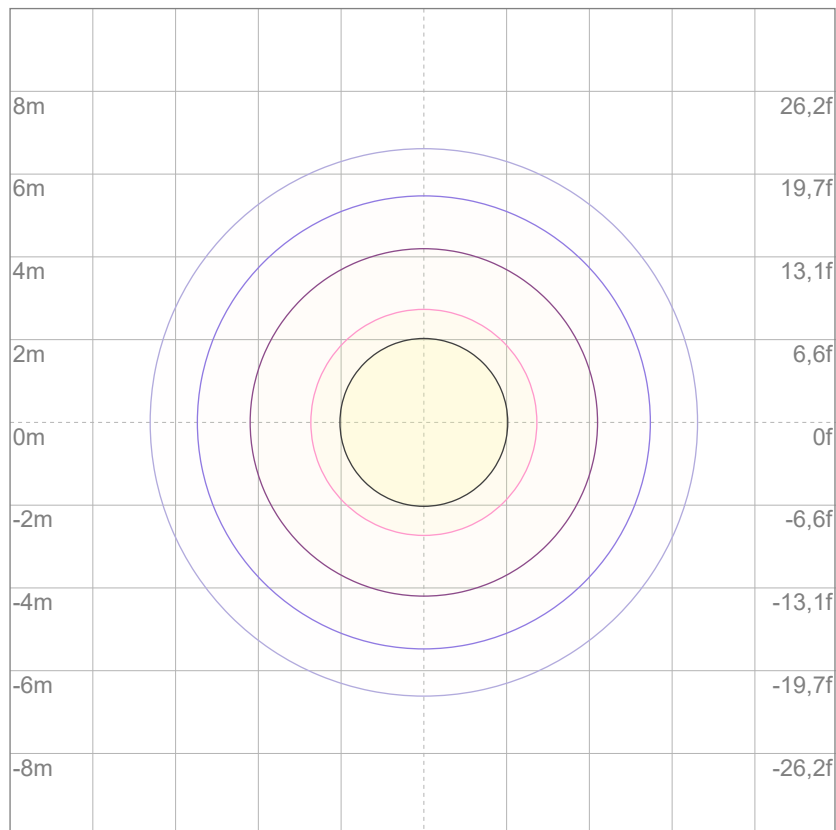
10%	2715 cd
20%	5429 cd
30%	8144 cd
40%	10858 cd
50%	13573 cd
60%	16287 cd
70%	19002 cd
80%	21716 cd

Conditions:

Number of c-planes: 2

Candela at center: 27145 cd

ISO LUX DIAGRAM



3%	8,14 lx
5%	13,6 lx
10%	27,1 lx
30%	81,4 lx
50%	136 lx

Conditions:

Number of c-planes: 2

Lux at center: 271 lx

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



Total lumen output:

6270 lm

Peak candela output:

7963 cd

Light quality:

CRI: 95,6

Color temperature:

4015 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

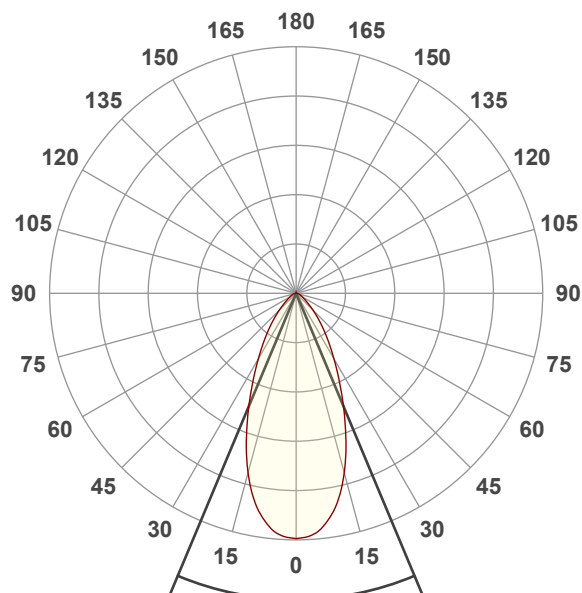
4000K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:47:38

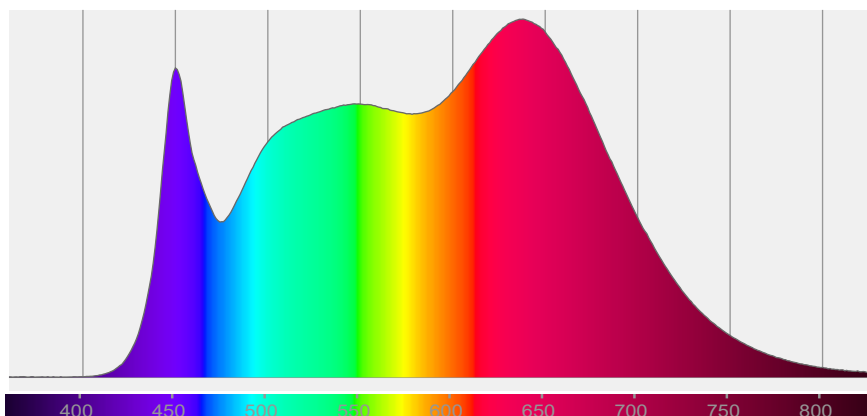


Beam angle 50%: 45,5°

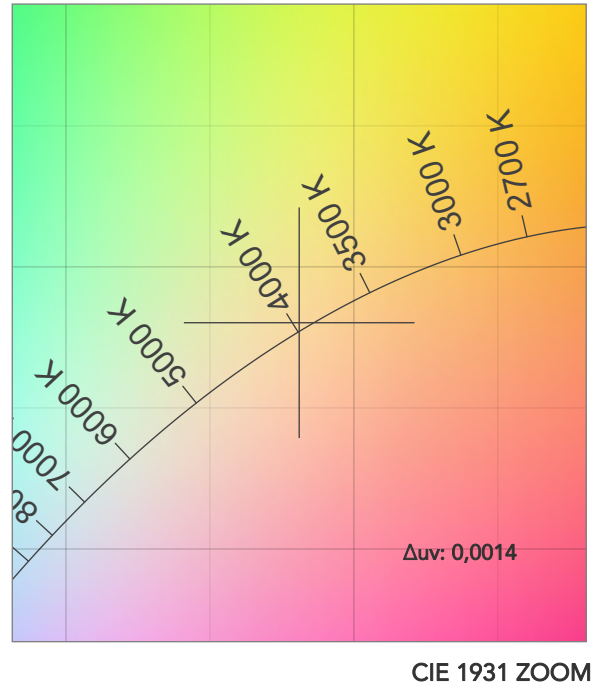
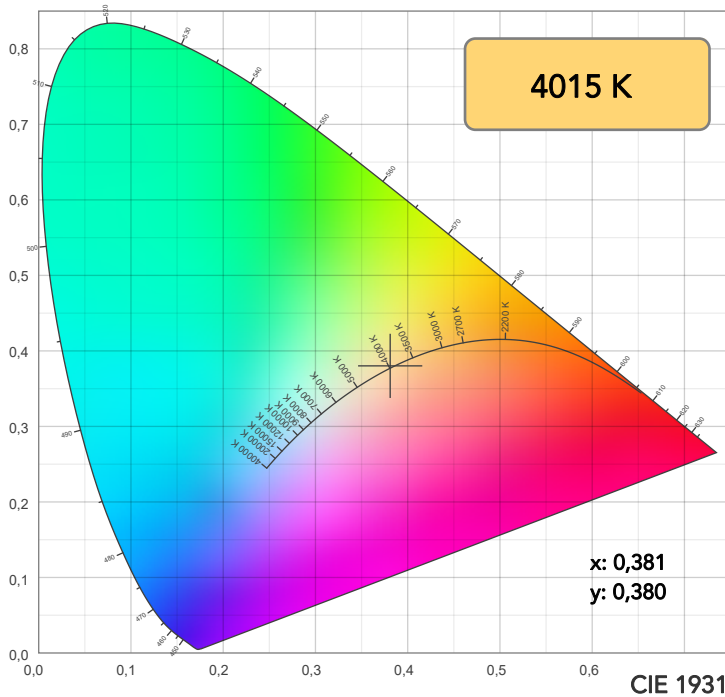
Field angle 10%: 89,5°

Cut off angle 2.5%: 124,6°

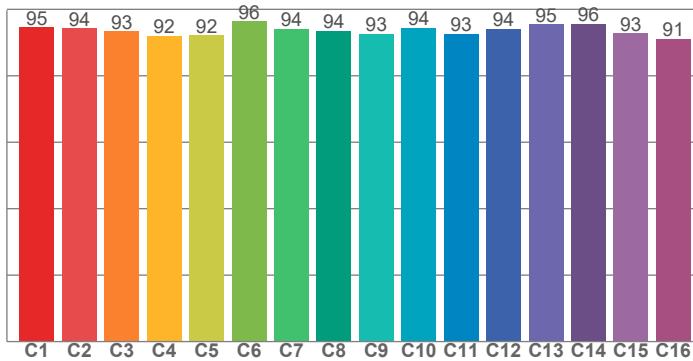
Spectra



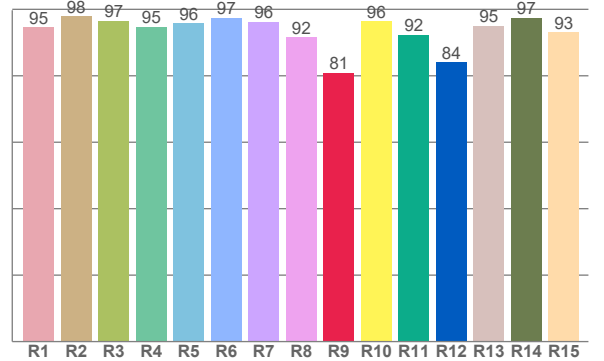
COLOR DETAILS



TM30: 93,5



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,6	98,0	96,5	94,8	95,8	97,5	96,3	91,5	80,9	96,4	92,4	84,0	95,1	97,4	93,1

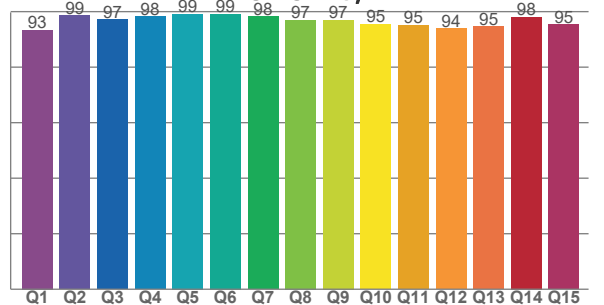
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	94,3	93,3	92,0	92,2	96,3	94,2	93,5	92,6	94,4	92,6	94,2	95,4	95,6	92,7	91,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,4	98,5	97,1	98,3	99,2	99,1	98,3	97,1	96,9	95,4	95,1	93,9	94,6	98,1	95,4

CQS: 96,2



COLOR PARAMETERS

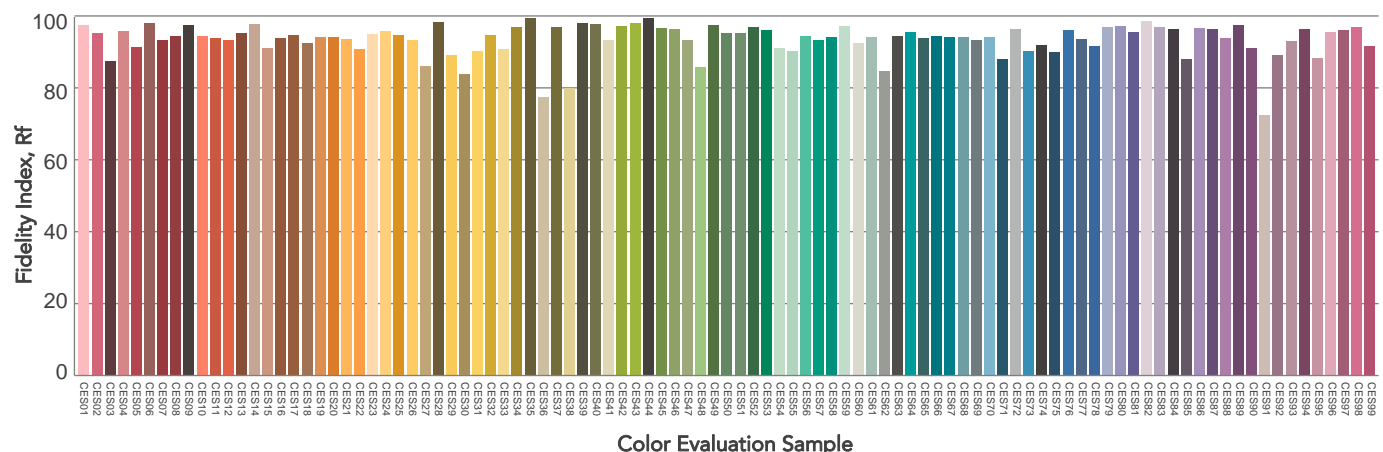
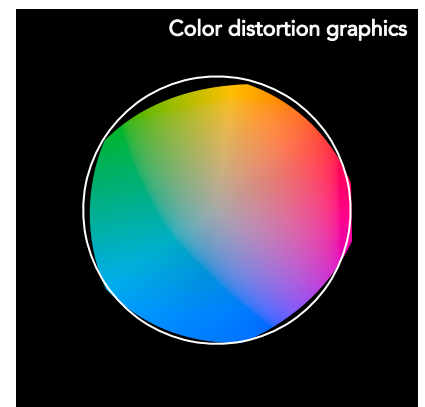
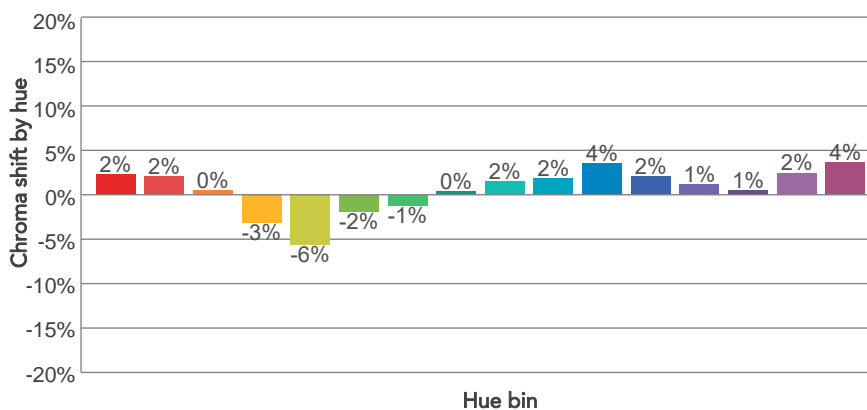
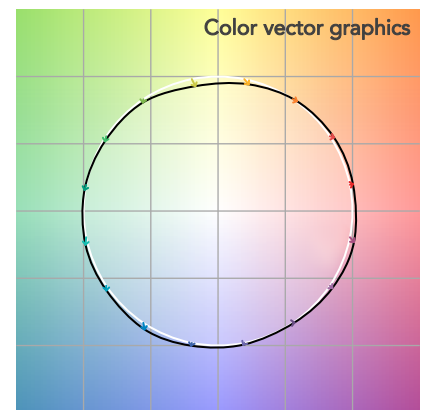
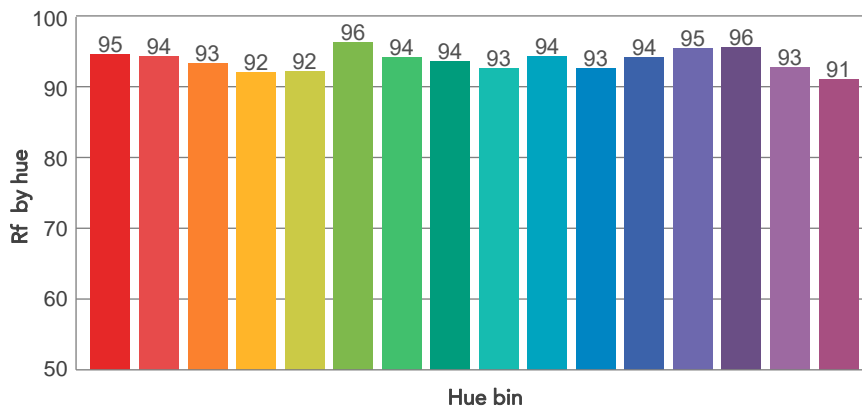
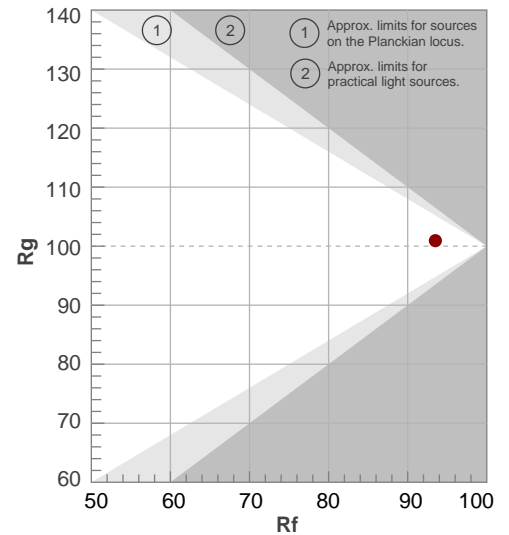
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4015 K	95,6	80,9	93,5	100,9	96,2	99	0,381	0,380	0,0014

TM30 DETAILS

Rf 93,5
Fidelity index Rf

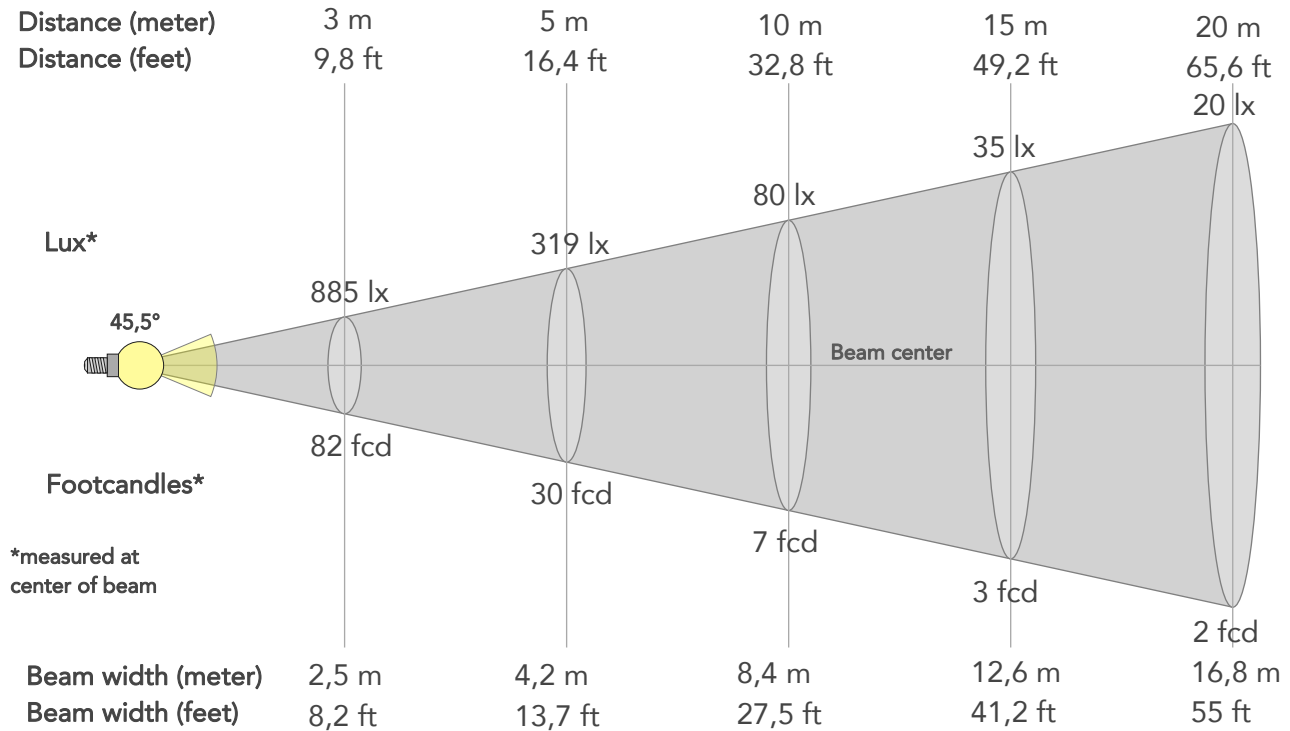
Rg 100,9
Gammut index

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



BEAM DETAILS

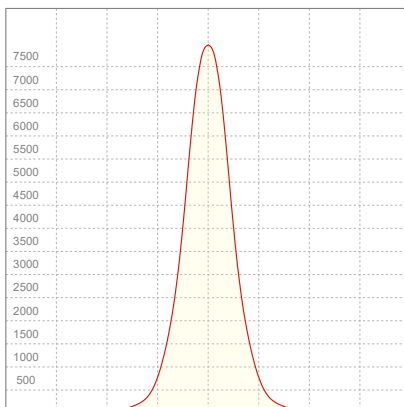
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,5°	89,5°	124,6°	95,1%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7963lx	1991lx	885lx	498lx	319lx	142lx	80lx	35lx	20lx	13lx	9lx	5lx	3lx
Footcand.	740fcd	185fcd	82fcd	46fcd	30fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	20,9m	25,1m	33,5m	41,9m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,7ft	20,6ft	27,5ft	41,2ft	55ft	68,7ft	82,5ft	109,9ft	137,4ft

LINEAR DISTRIBUTION DIAGRAM

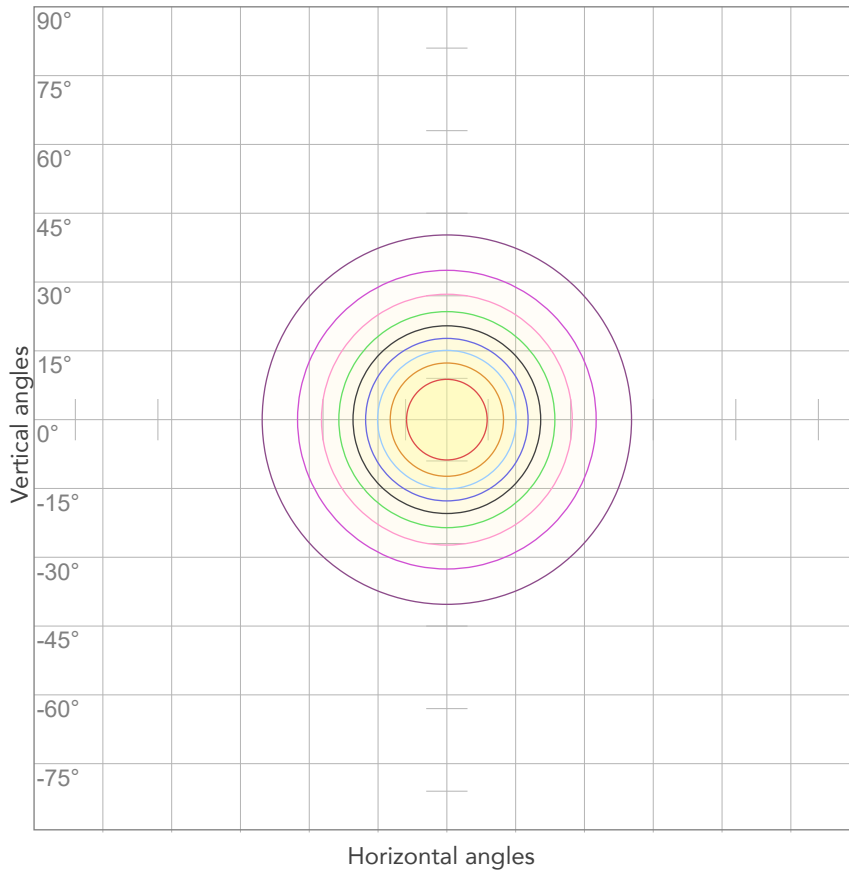


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,567A	123,9W	0,97	51lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



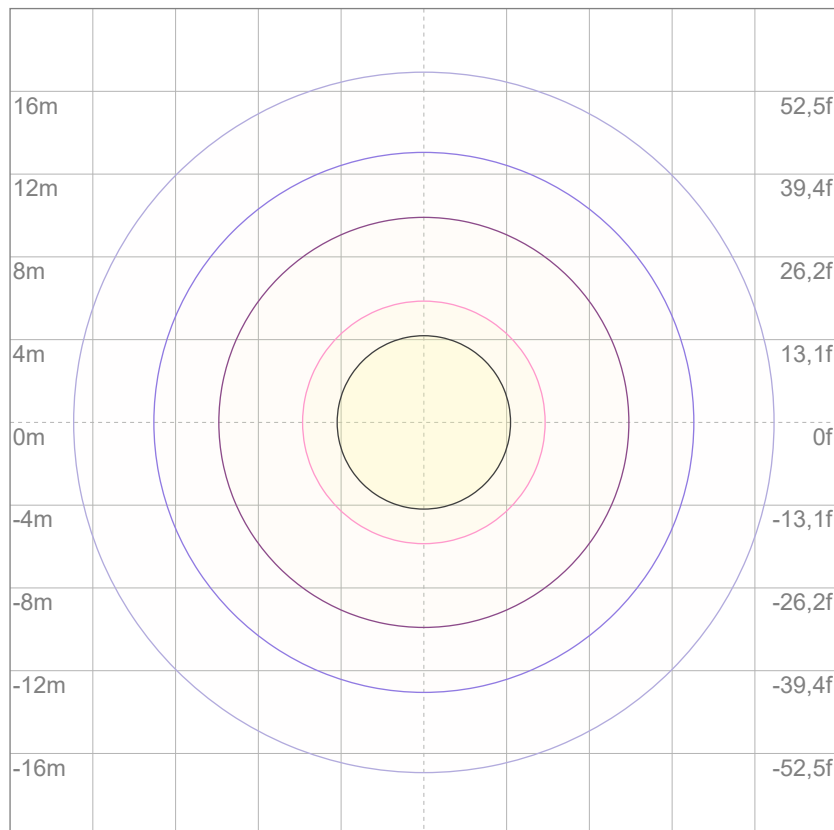
10%	796 cd
20%	1593 cd
30%	2389 cd
40%	3185 cd
50%	3981 cd
60%	4778 cd
70%	5574 cd
80%	6370 cd

Conditions:

Number of c-planes: 2

Candela at center: 7963 cd

ISO LUX DIAGRAM



3%	2,39 lx
5%	3,98 lx
10%	7,96 lx
30%	23,9 lx
50%	39,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 79,6 lx

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



Total lumen output:

6051 lm

Peak candela output:

5593 cd

Light quality:

CRI: 95,5

Color temperature:

4008 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

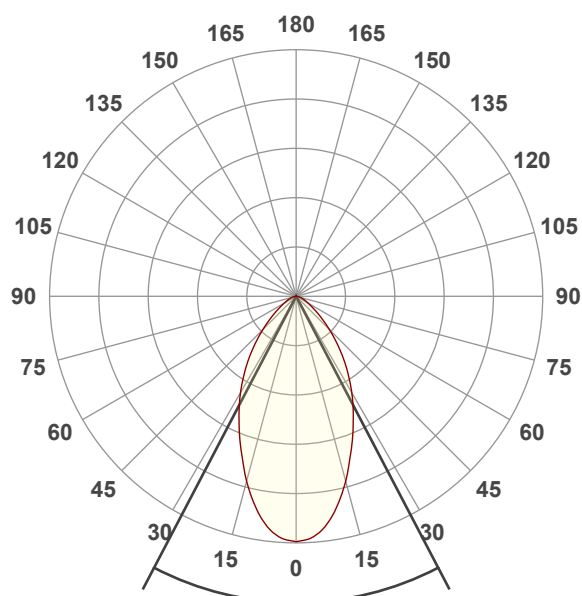
4000K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:14:27

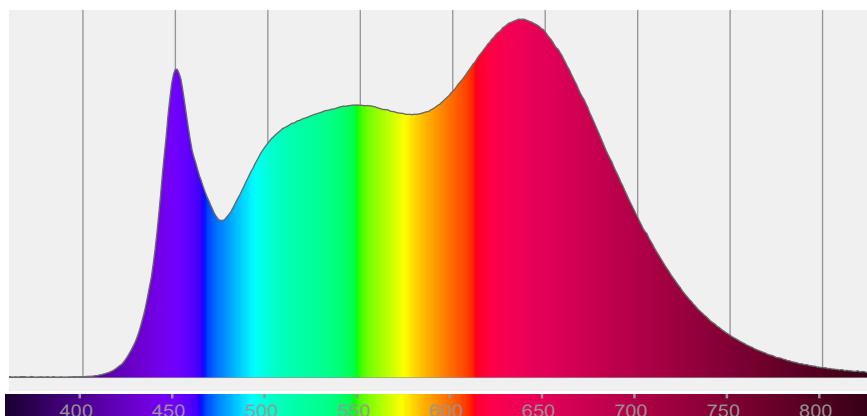


Beam angle 50%: 55,3°

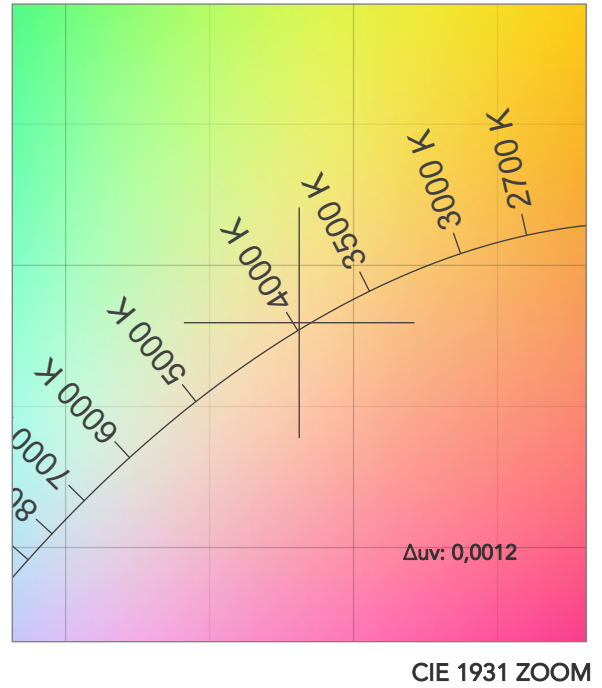
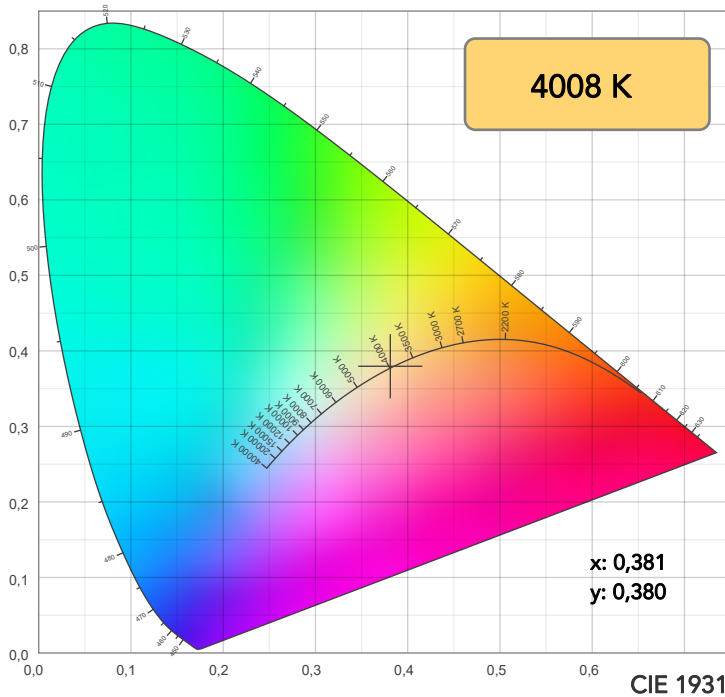
Field angle 10%: 106,5°

Cut off angle 2.5%: 142,6°

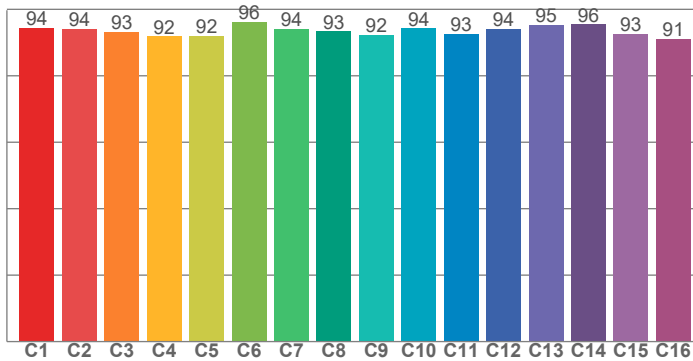
Spectra



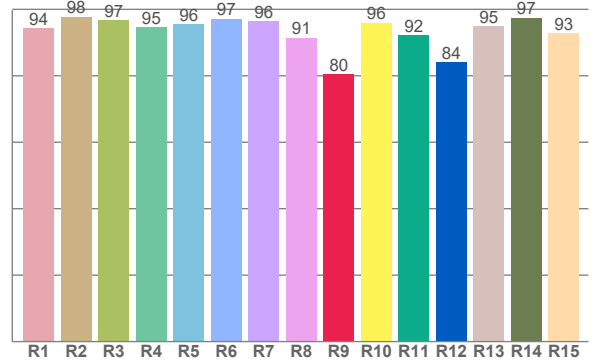
COLOR DETAILS



TM30: 93,4



CRI: 95,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,3	97,8	96,7	94,7	95,6	97,2	96,3	91,4	80,5	96,0	92,3	84,0	94,9	97,5	92,8

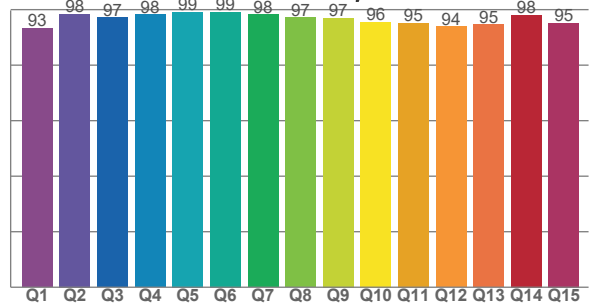
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,3	98,5	97,1	98,2	99,2	99,1	98,2	97,1	97,0	95,6	95,1	93,9	94,7	98,0	95,2

CQS: 96,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4008 K	95,5	80,5	93,4	100,9	96,2	99	0,381	0,380	0,0012

TM30 DETAILS

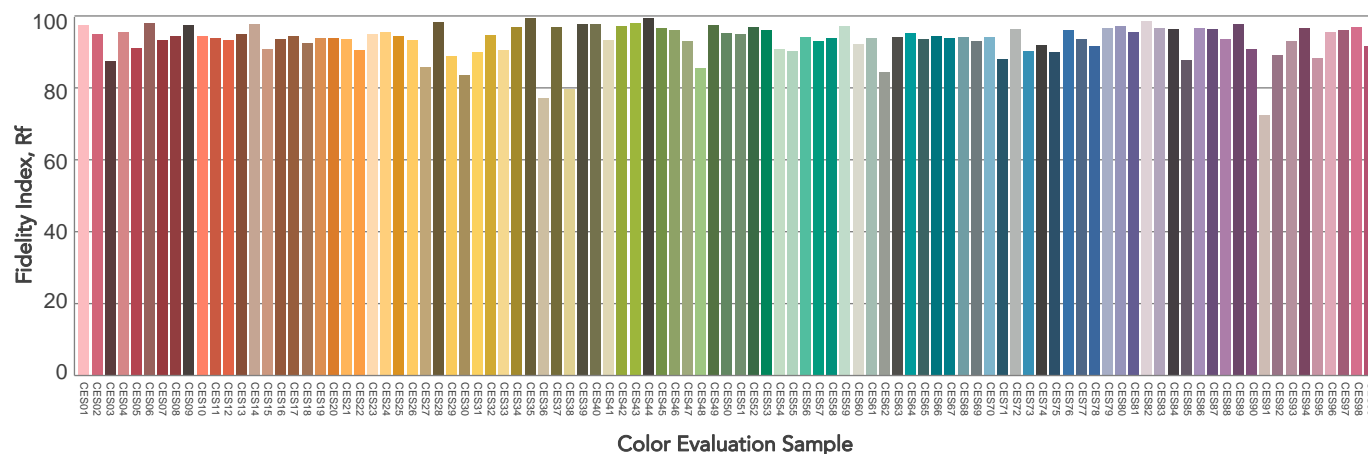
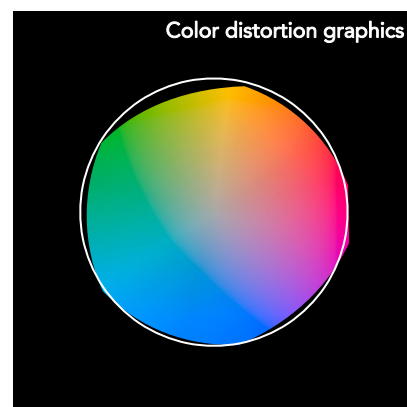
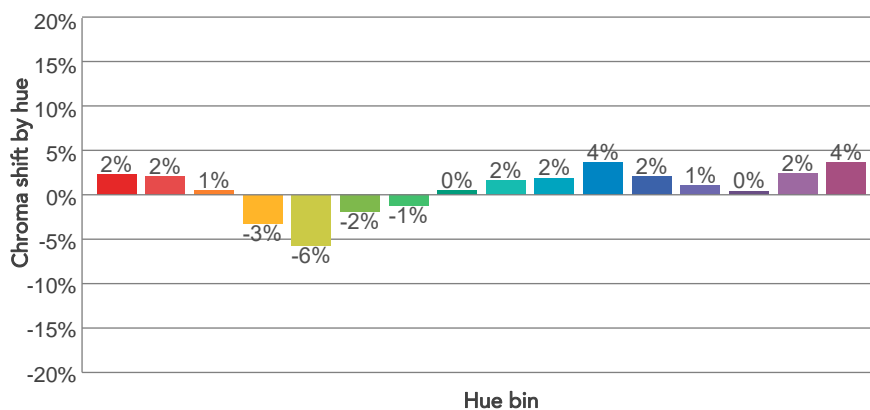
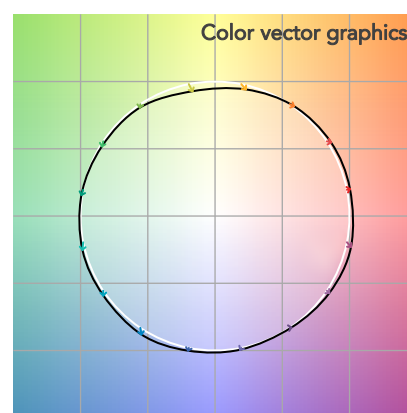
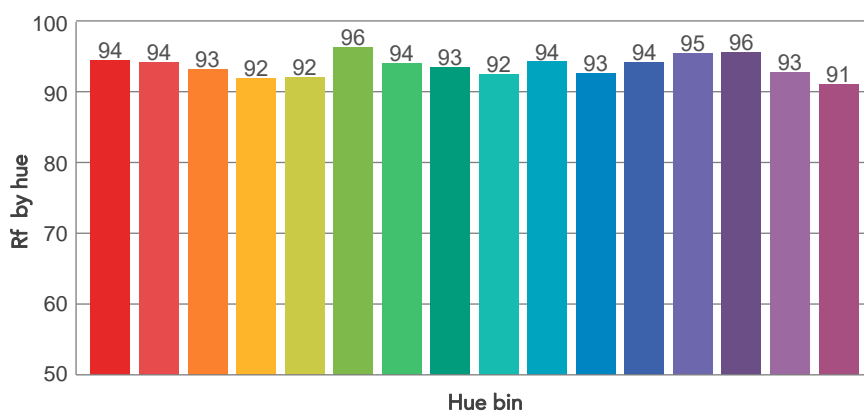
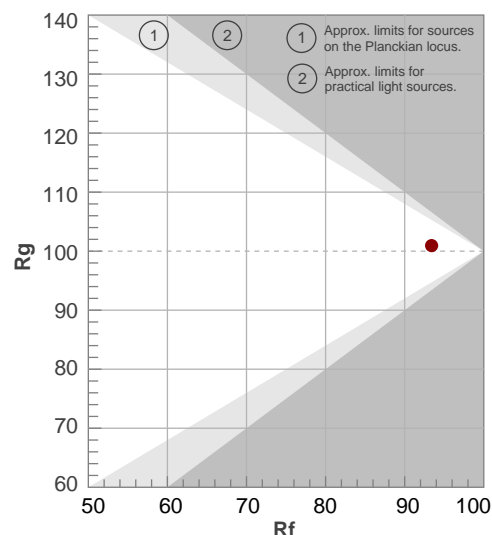
Rf 93,4

Fidelity index R_f

Rg 100,9

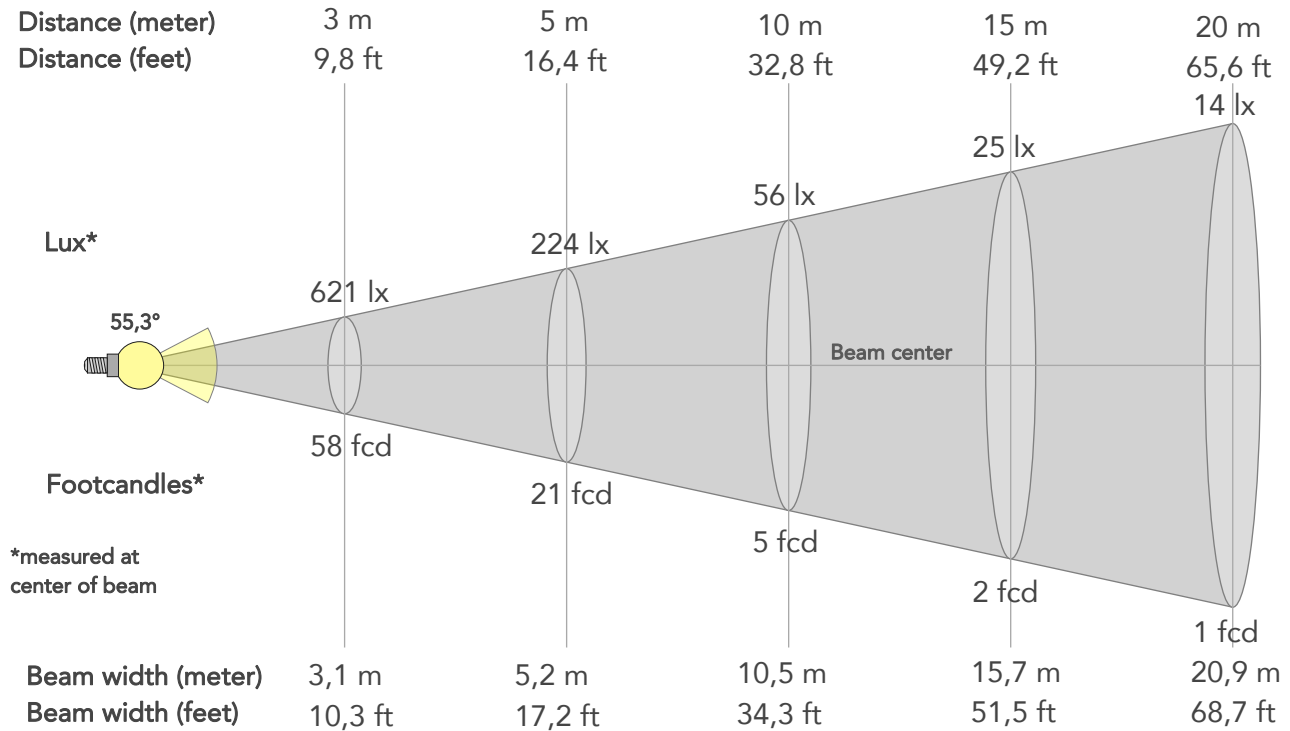
Gammut index

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



BEAM DETAILS

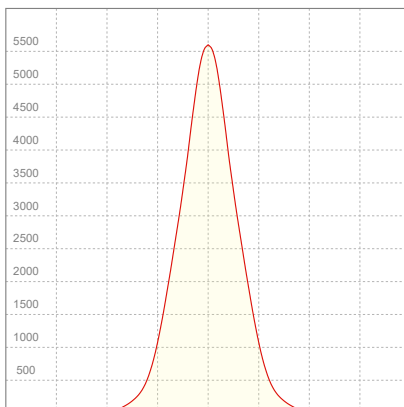
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,3°	106,5°	142,6°	93,6%	80,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5593lx	1398lx	621lx	350lx	224lx	99lx	56lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	520fcd	130fcd	58fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,9m	10,5m	15,7m	20,9m	26,2m	31,4m	41,9m	52,3m
Beam wid.	3,5ft	6,9ft	10,3ft	13,7ft	17,2ft	25,7ft	34,3ft	51,5ft	68,7ft	85,8ft	103ft	137,3ft	171,7ft

LINEAR DISTRIBUTION DIAGRAM

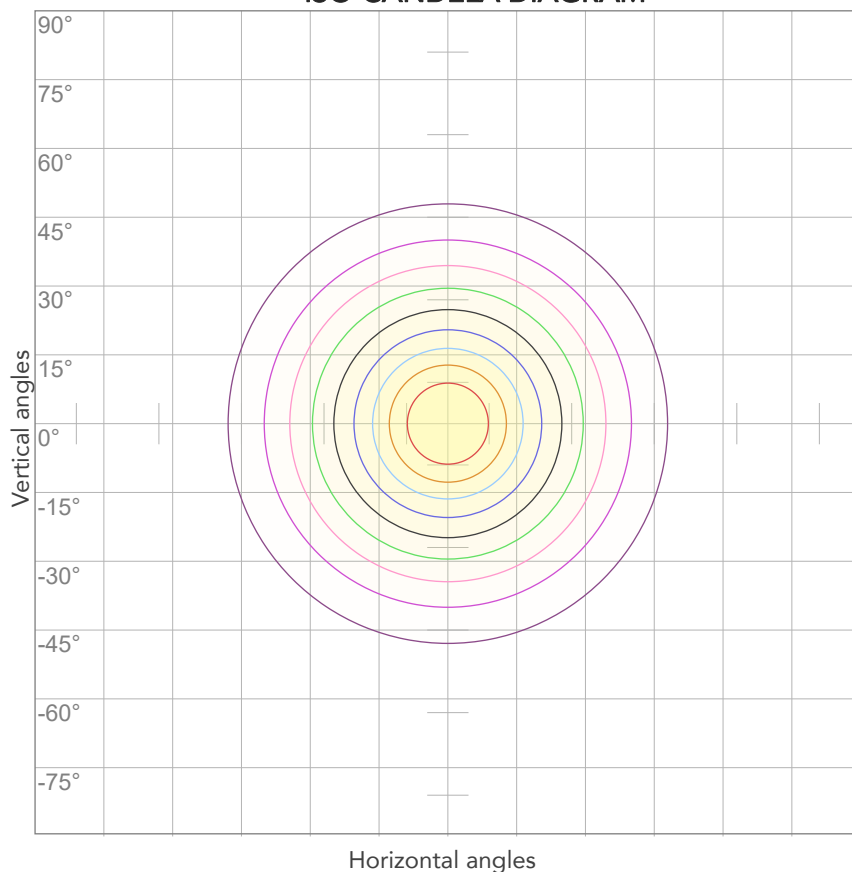


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,558A	123,3W	0,97	49lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



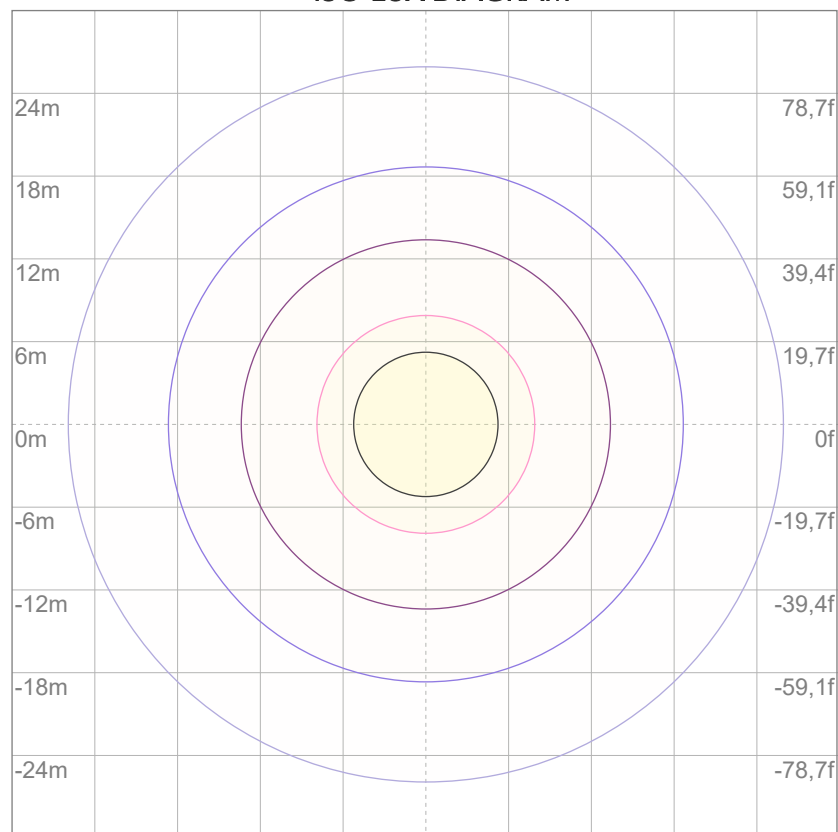
10%	559 cd
20%	1119 cd
30%	1678 cd
40%	2237 cd
50%	2796 cd
60%	3356 cd
70%	3915 cd
80%	4474 cd

Conditions:

Number of c-planes: 2

Candela at center: 5593 cd

ISO LUX DIAGRAM



3%	1,68 lx
5%	2,80 lx
10%	5,59 lx
30%	16,8 lx
50%	28,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 55,9 lx

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



Total lumen output:

8811 lm

Peak candela output:

19100 cd

Light quality:

CRI: 95,2

Color temperature:

4013 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

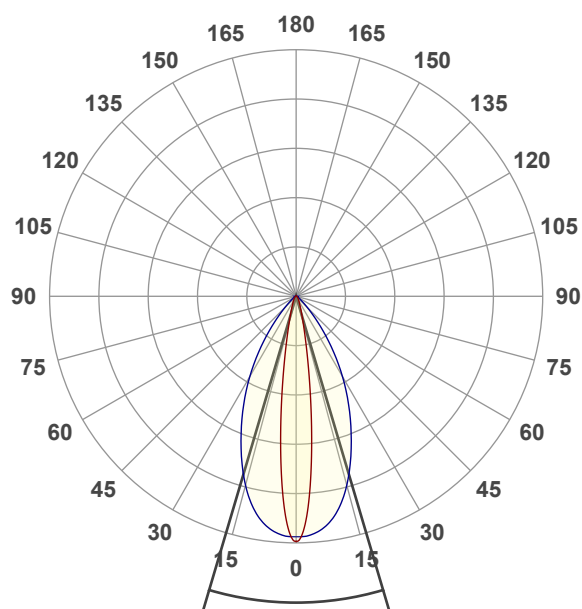
4000K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:50:51

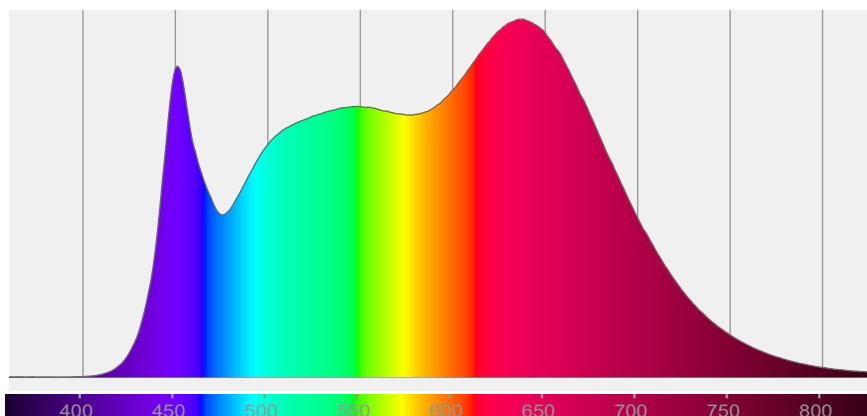


Beam angle 50%: 33°

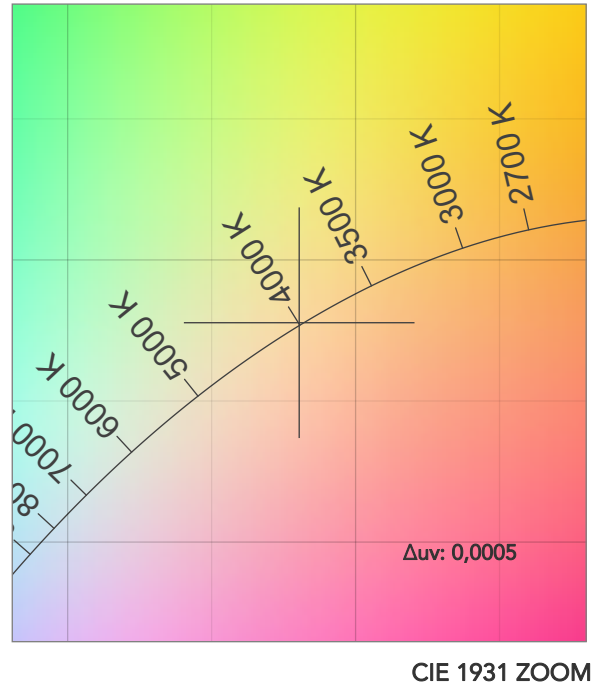
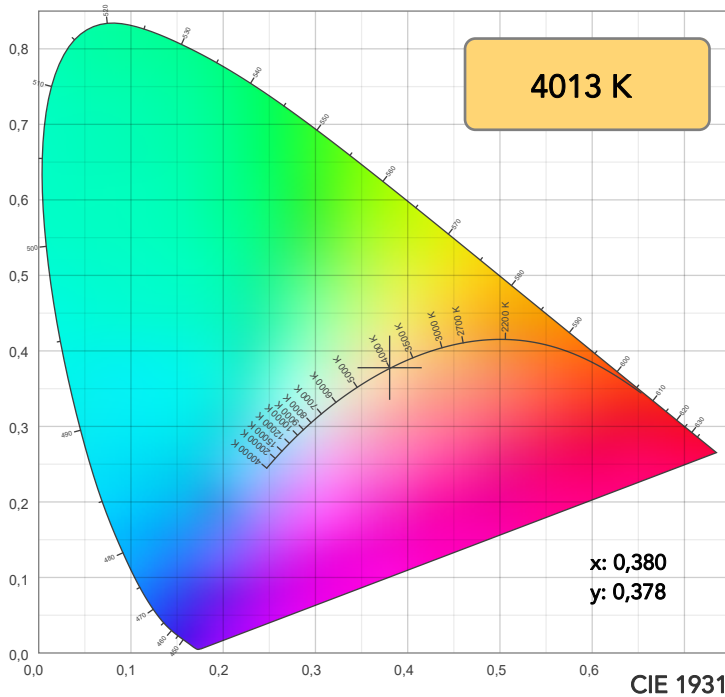
Field angle 10%: 57,8°

Cut off angle 2.5%: 80,7°

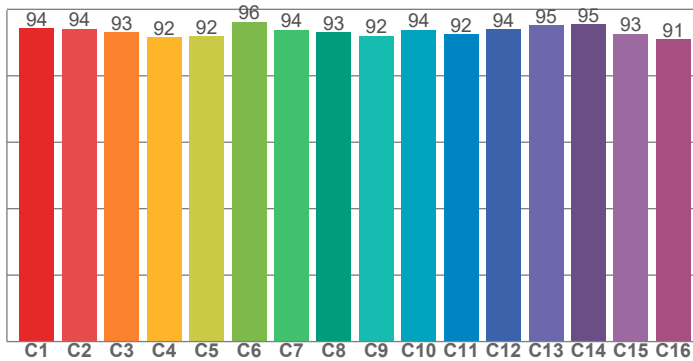
Spectra



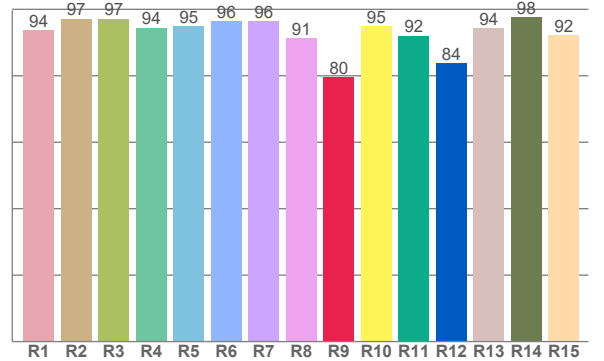
COLOR DETAILS



TM30: 93,2



CRI: 95,2 (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
93,8	97,2	97,1	94,5	95,0	96,4	96,4	91,2	79,6	94,8	92,1	83,8	94,3	97,7	92,2

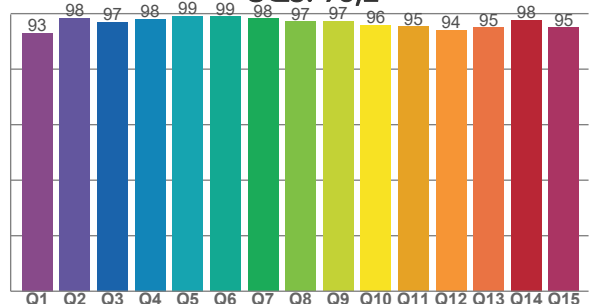
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	94,1	93,1	91,6	91,8	96,2	93,9	93,1	92,0	93,9	92,5	94,0	95,2	95,4	92,6	91,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,0	98,3	97,1	98,1	99,1	99,0	98,2	97,2	97,2	96,0	95,3	94,1	95,0	97,8	95,0

CQS: 96,2



COLOR PARAMETERS

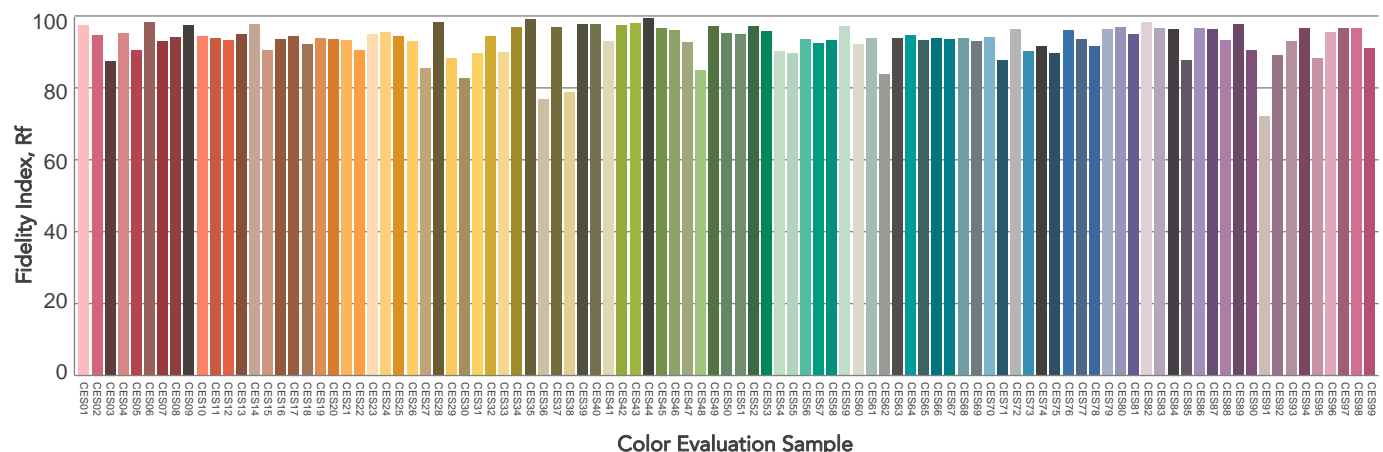
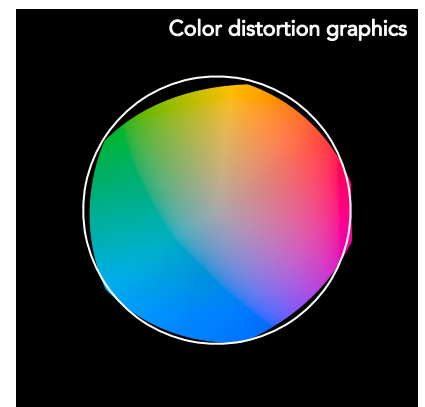
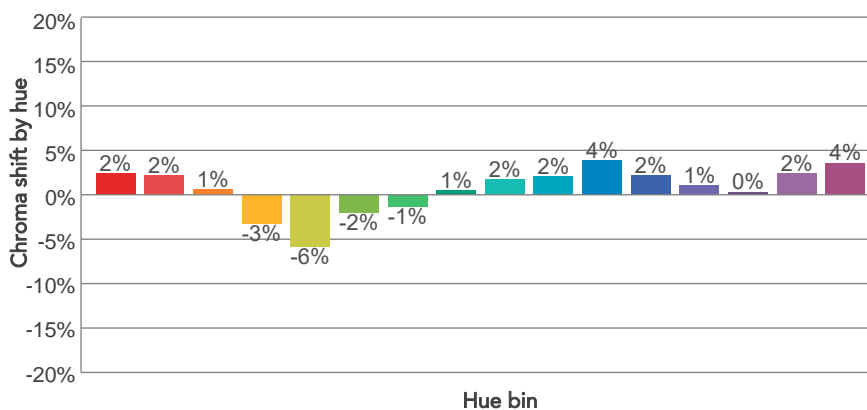
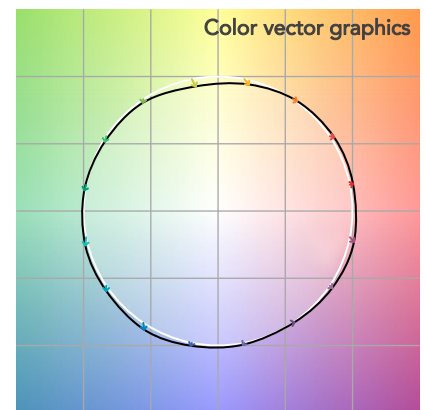
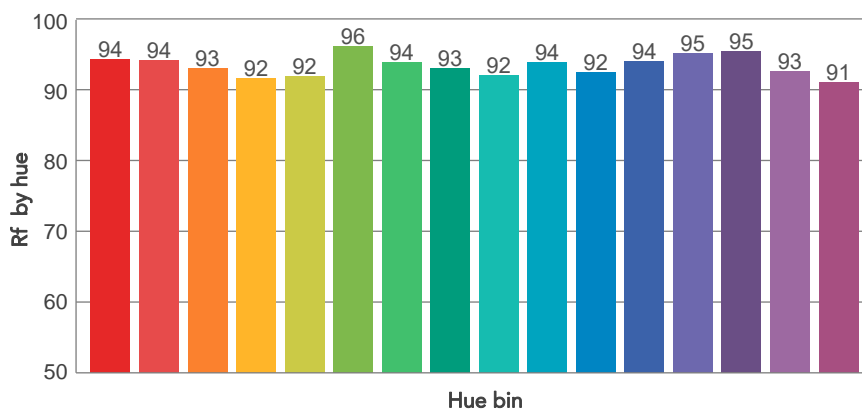
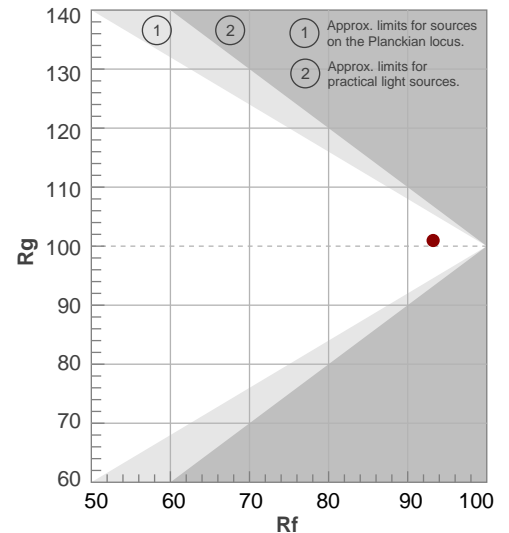
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4013 K	95,2	79,6	93,2	101,0	96,2	99	0,380	0,378	0,0005

TM30 DETAILS

Rf 93,2
Fidelity index Rf

Rg 101,0
Gammut index

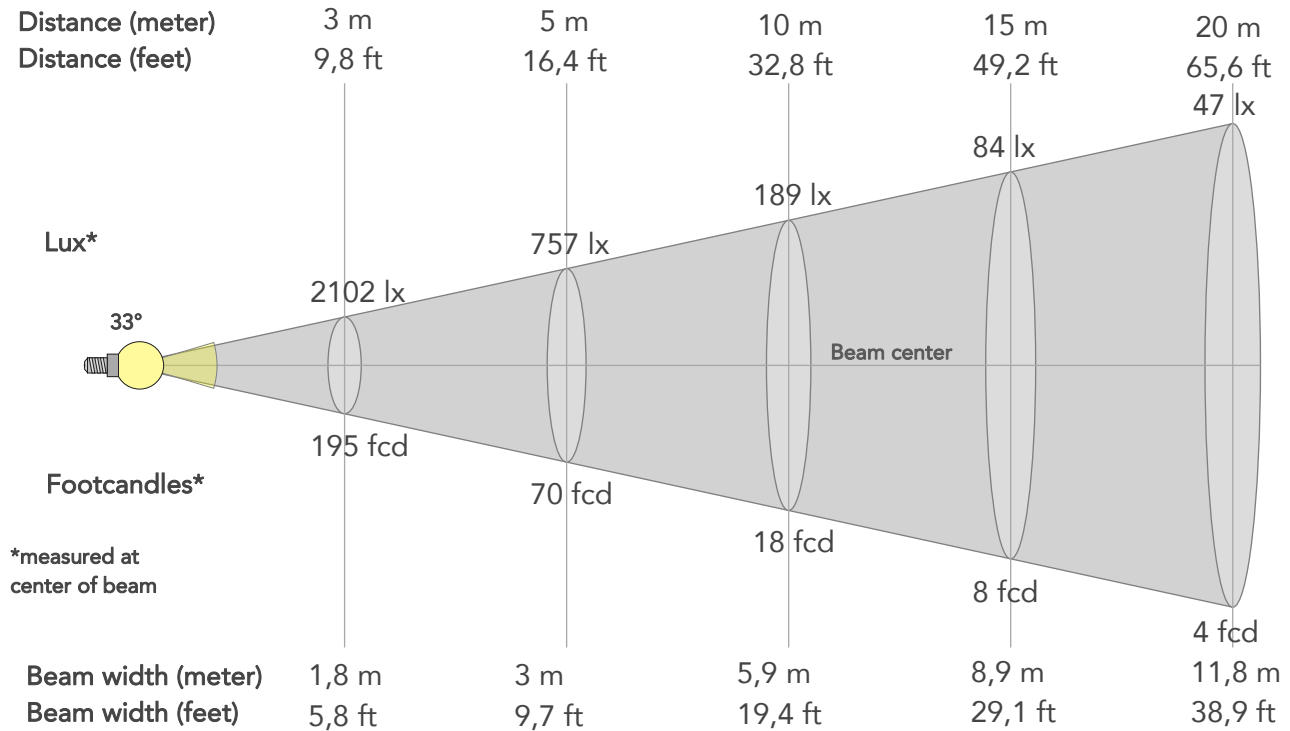
		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	94	2%	0%
2	94	2%	-2%
3	93	1%	-3%
4	92	-3%	-4%
5	92	-6%	-2%
6	96	-2%	2%
7	94	-1%	4%
8	93	1%	4%
9	92	2%	6%
10	94	2%	3%
11	92	4%	3%
12	94	2%	0%
13	95	1%	-1%
14	95	0%	1%
15	93	2%	0%
16	91	4%	-3%



BEAM DETAILS



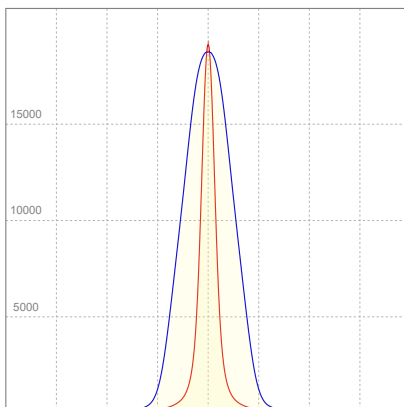
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33°	57,8°	80,7°	97,1%	92,3%



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	18915lx	4729lx	2102lx	1182lx	757lx	336lx	189lx	84lx	47lx	30lx	21lx	12lx	8lx
Footcand.	1757fcd	439fcd	195fcd	110fcd	70fcd	31fcd	18fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,4m	5,9m	8,9m	11,8m	14,8m	17,8m	23,7m	29,6m
Beam wid.	2ft	3,9ft	5,8ft	7,8ft	9,7ft	14,6ft	19,4ft	29,1ft	38,9ft	48,6ft	58,3ft	77,7ft	97,1ft

LINEAR DISTRIBUTION DIAGRAM

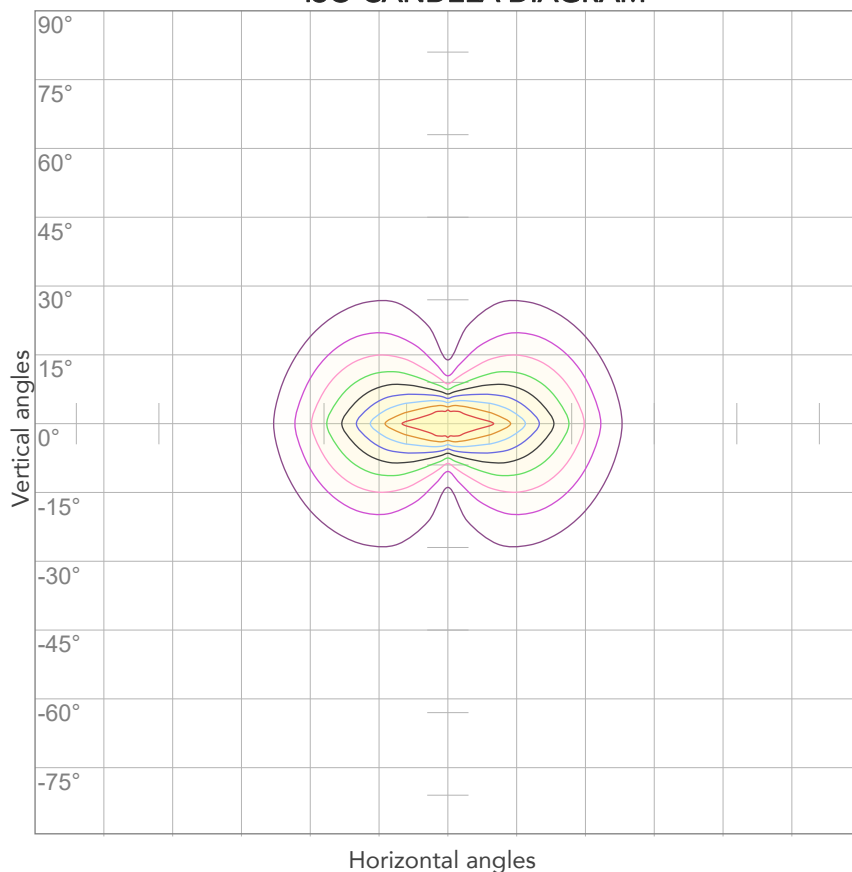


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,555A	122,3W	0,97	72lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



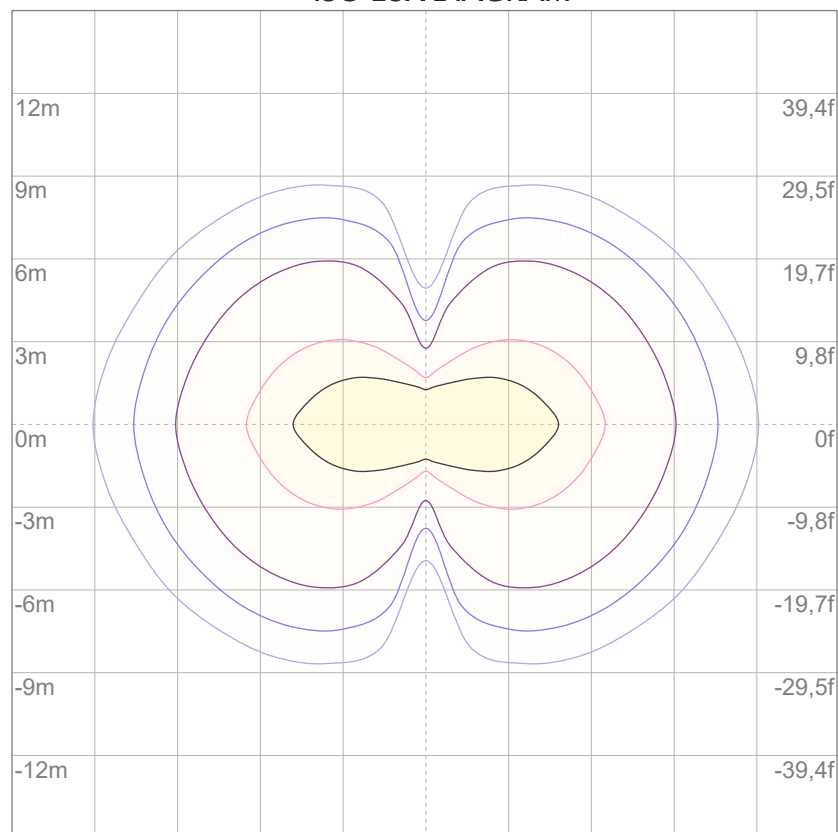
10%	1892 cd
20%	3783 cd
30%	5675 cd
40%	7566 cd
50%	9458 cd
60%	11349 cd
70%	13241 cd
80%	15132 cd

Conditions:

Number of c-planes: 4

Candela at center: 18915 cd

ISO LUX DIAGRAM



3%	5,67 lx
5%	9,46 lx
10%	18,9 lx
30%	56,7 lx
50%	94,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 189 lx

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



Total lumen output:

6329 lm

Peak candela output:

9250 cd

Light quality:

CRI: 93,8

Color temperature:

4036 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

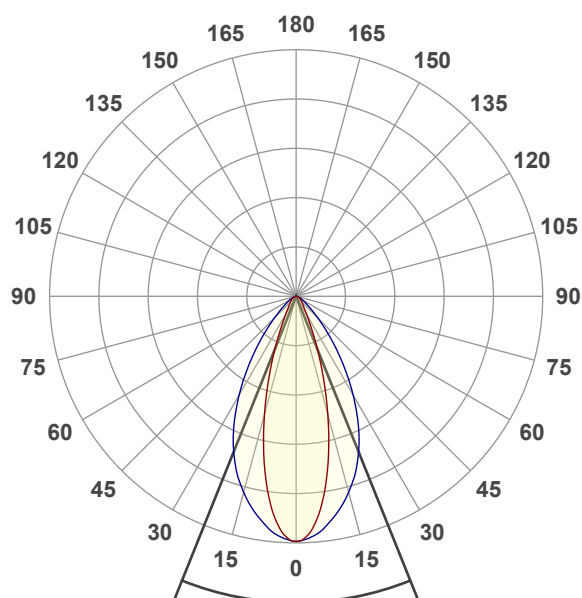
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 17:12:01

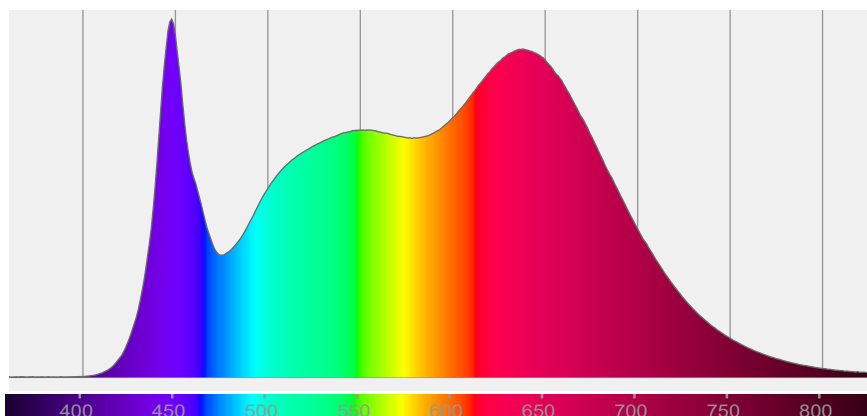


Beam angle 50%: 43,8°

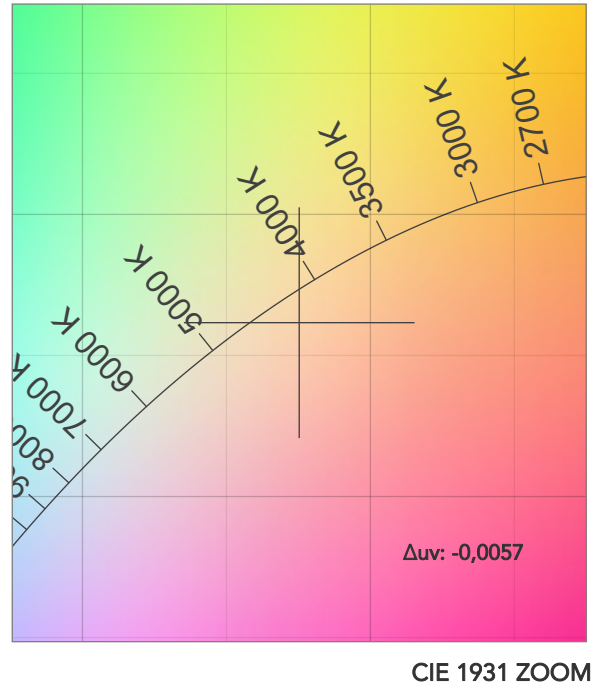
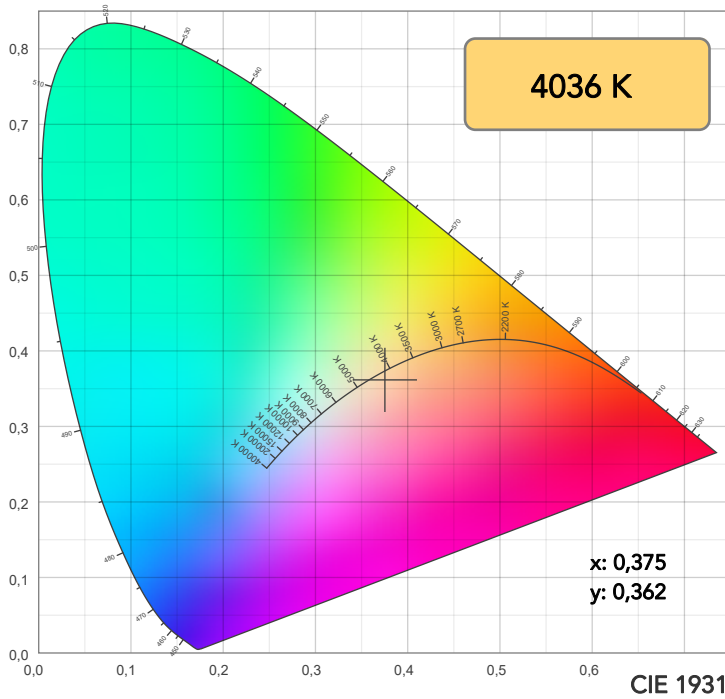
Field angle 10%: 75,8°

Cut off angle 2.5%: 113,6°

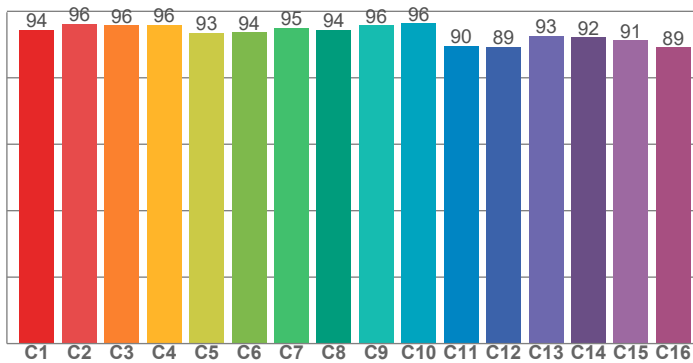
Spectra



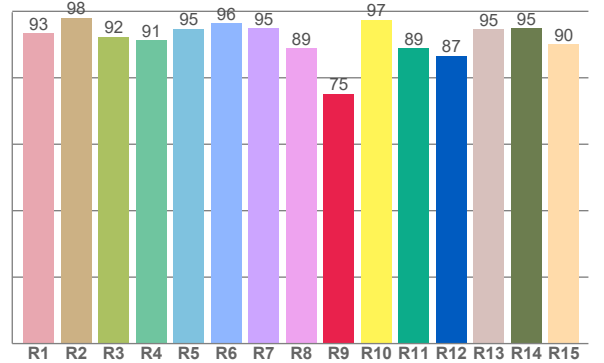
COLOR DETAILS



TM30: 93,7



CRI: 93,8 (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
93,4	98,0	92,4	91,3	94,8	96,3	94,9	88,9	75,2	97,5	88,9	86,6	94,6	94,9	90,2

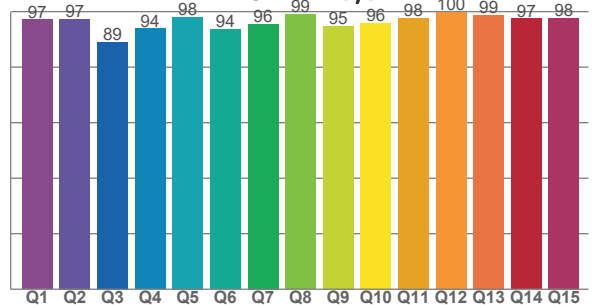
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,3	95,8	95,9	93,4	93,7	95,1	94,4	95,8	96,4	89,6	89,3	92,6	92,2	91,3	89,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,2	97,3	89,1	94,0	98,1	93,6	95,6	99,0	94,9	95,8	97,7	99,9	98,7	97,5	97,8

CQS: 95,6



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
4036 K	93,8	75,2	93,7	105,4	95,6	97	0,375	0,362	-0,0057

TM30 DETAILS

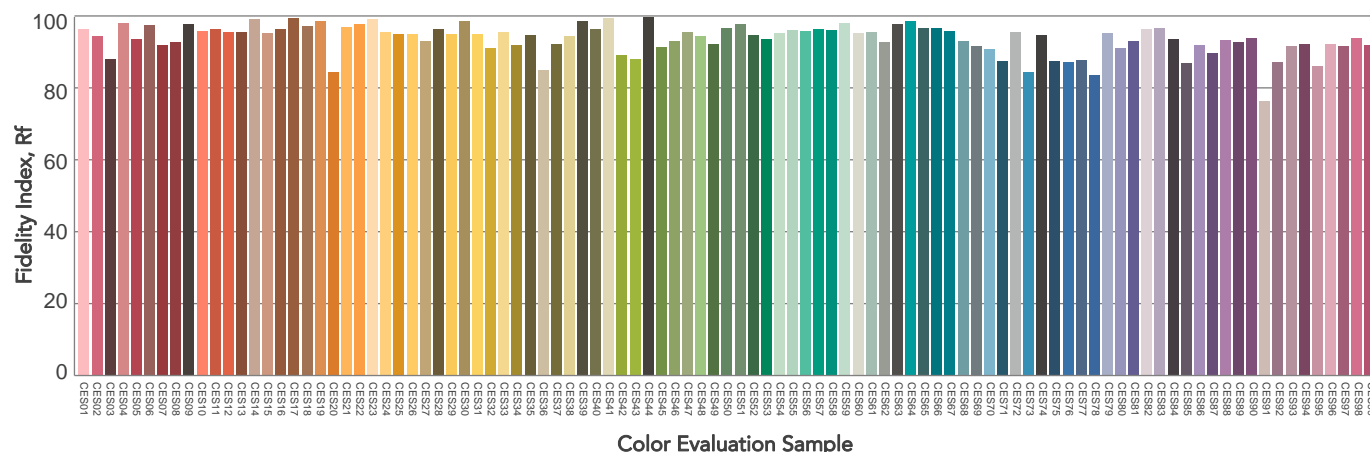
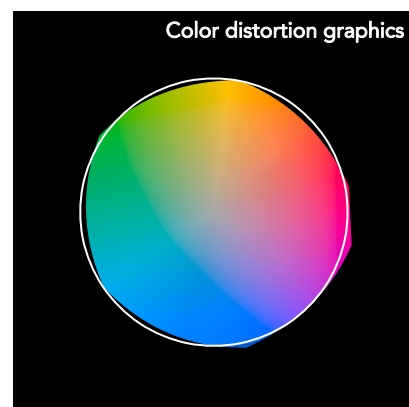
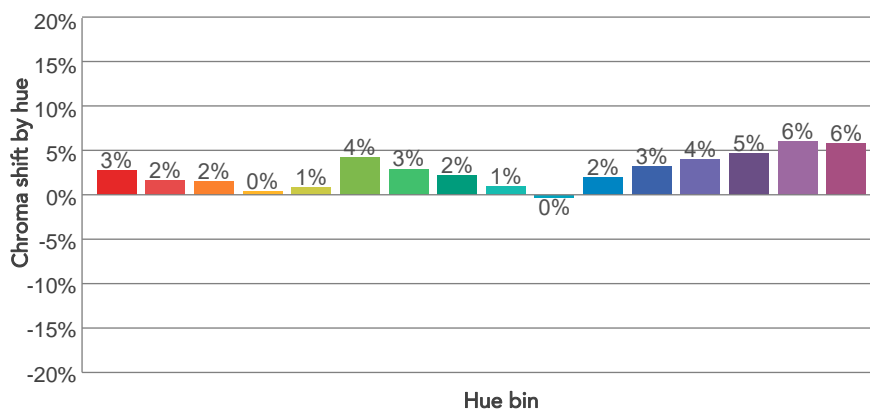
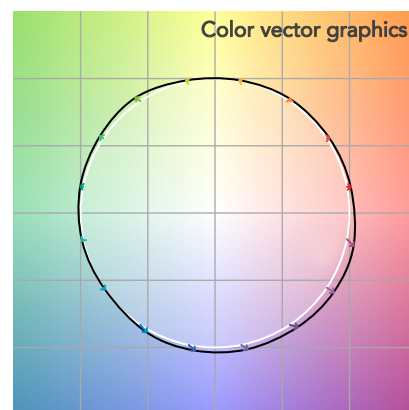
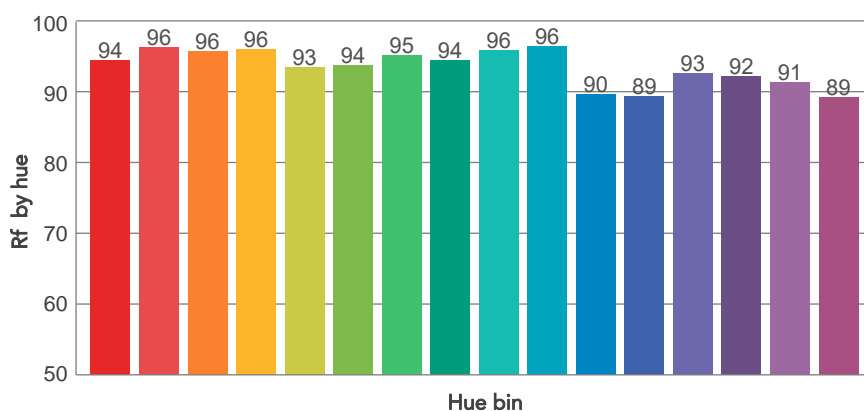
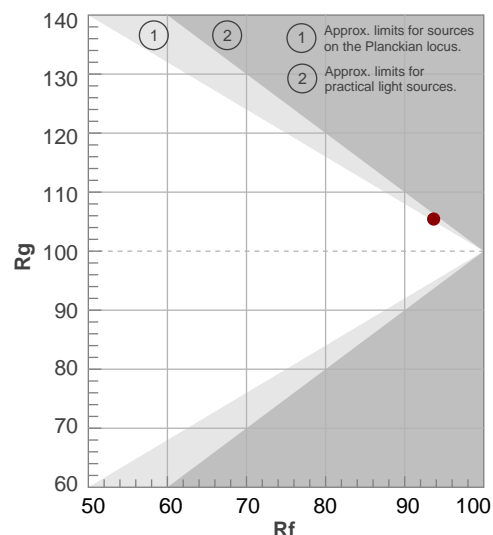
Rf 93,7

Fidelity index Rf

Rg 105,4

Gammut index

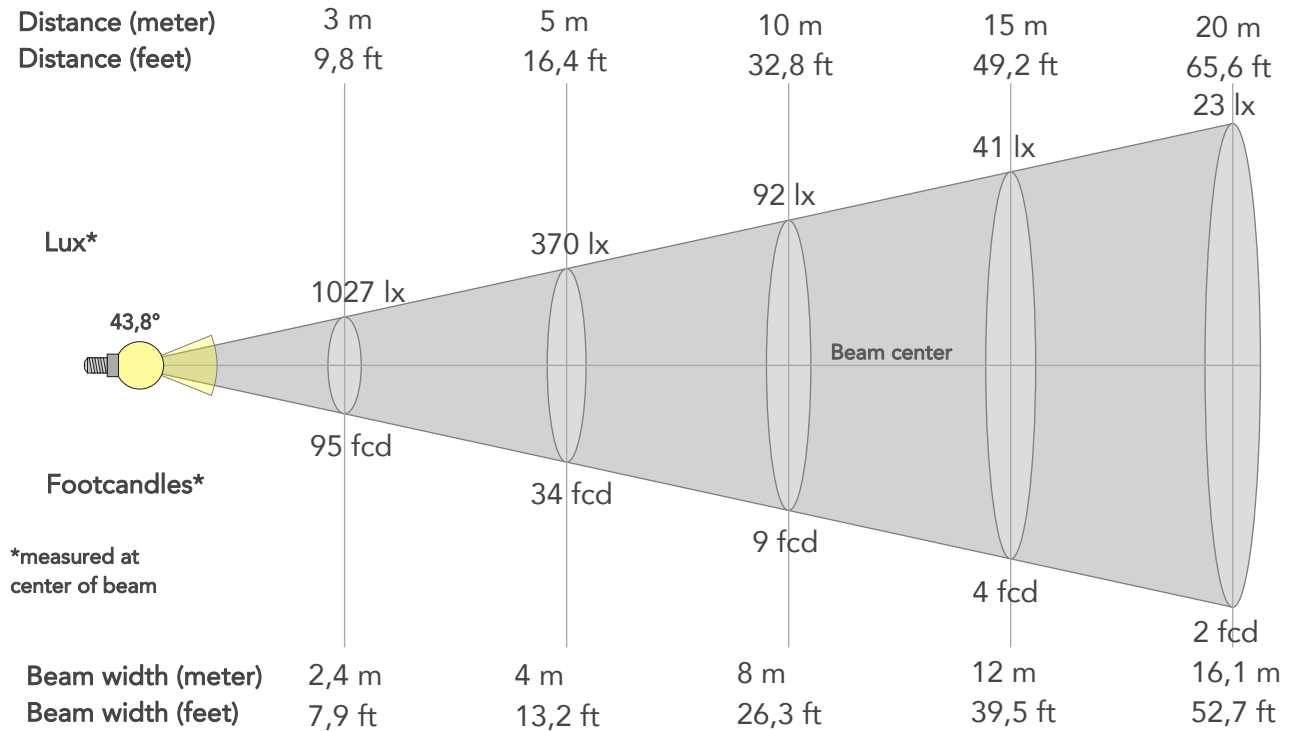
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	1%
5	93	1%	2%
6	94	4%	1%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	96	0%	2%
11	90	2%	7%
12	89	3%	5%
13	93	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



BEAM DETAILS



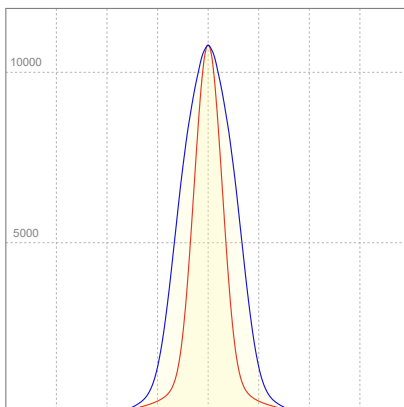
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,8°	113,6°	96,2%	88,0%



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	9242lx	2310lx	1027lx	578lx	370lx	164lx	92lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	859fcd	215fcd	95fcd	54fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12m	16,1m	20,1m	24,1m	32,1m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,3ft	39,5ft	52,7ft	65,9ft	79ft	105,4ft	131,7ft

LINEAR DISTRIBUTION DIAGRAM

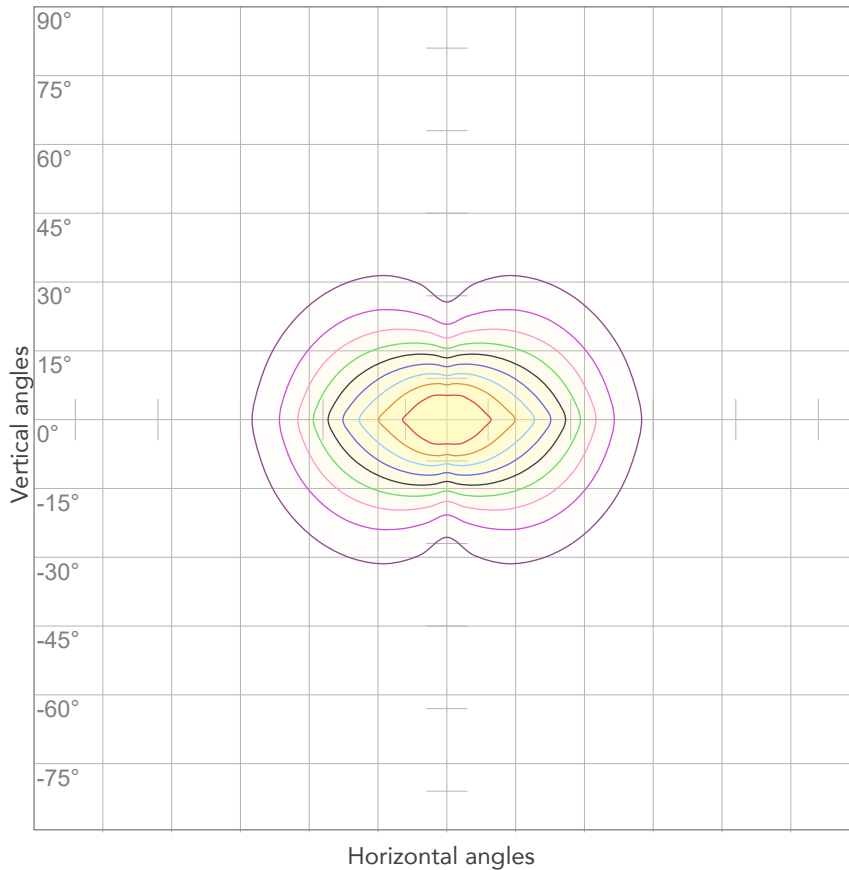


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,570A	125,5W	0,98	50lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



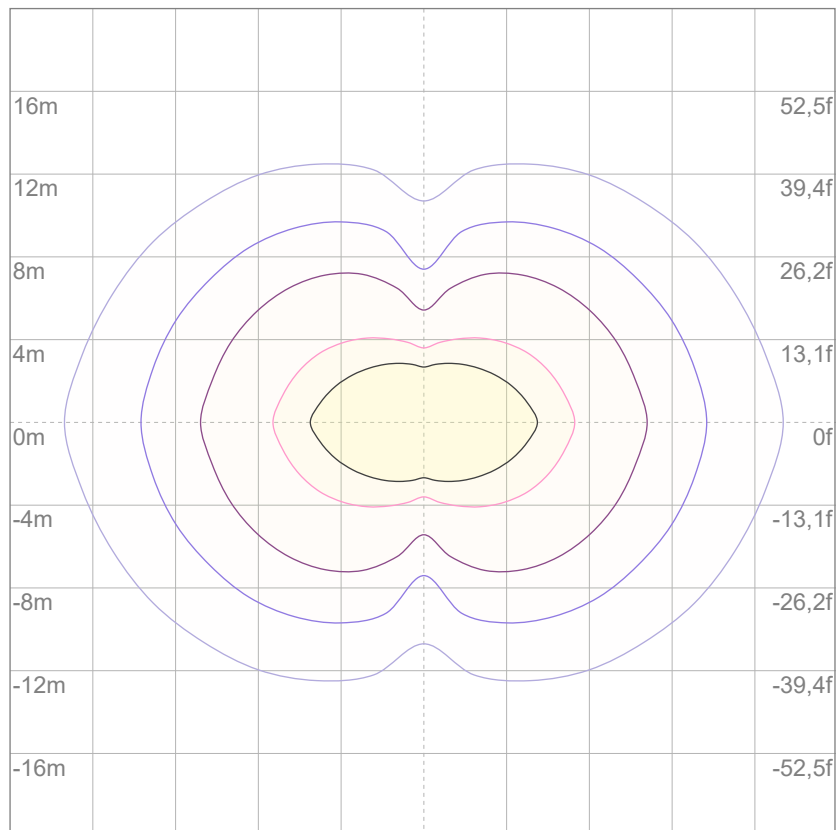
10%	924 cd
20%	1848 cd
30%	2772 cd
40%	3697 cd
50%	4621 cd
60%	5545 cd
70%	6469 cd
80%	7393 cd

Conditions:

Number of c-planes: 4

Candela at center: 9242 cd

ISO LUX DIAGRAM



3%	2,77 lx
5%	4,62 lx
10%	9,24 lx
30%	27,7 lx
50%	46,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 92,4 lx

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



Total lumen output:

8068 lm

Peak candela output:

167768 cd

Light quality:

CRI: 98,0

Color temperature:

5660 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

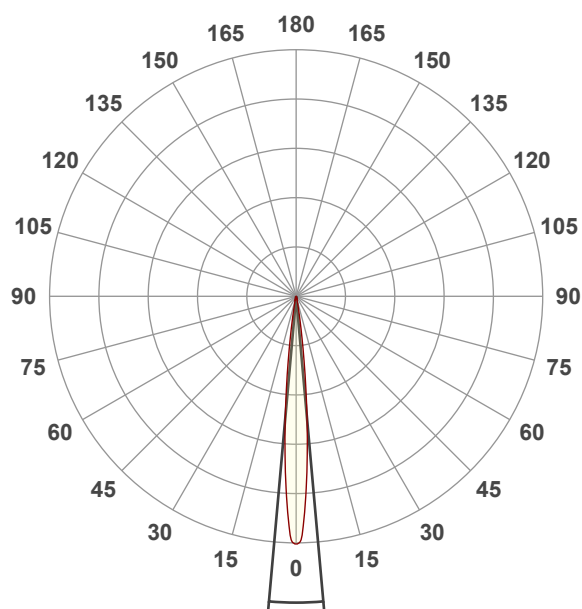
5600K

Operator:

Salvatore Giglio

Date and time:

10/05/2024 17:27:29

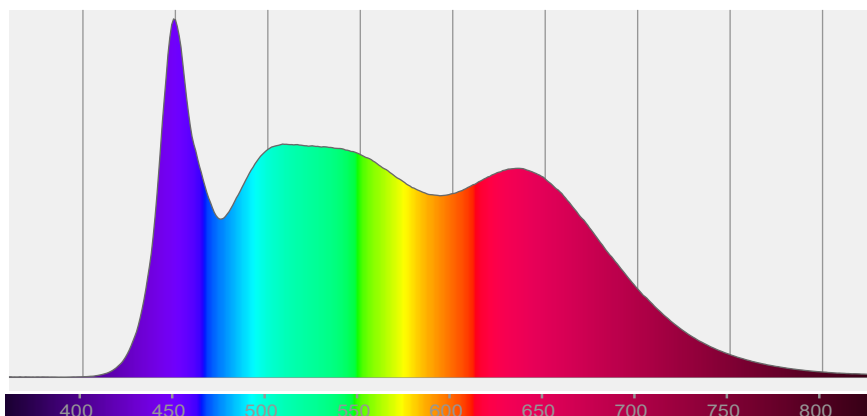


Beam angle 50%: 10,2°

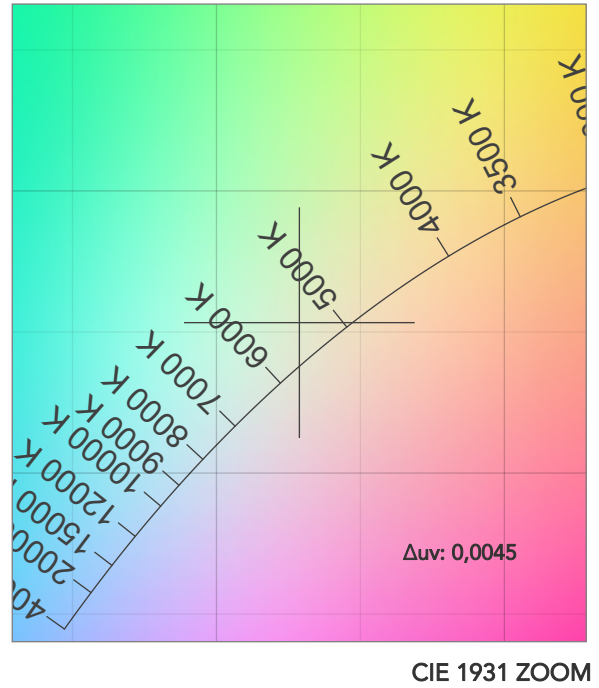
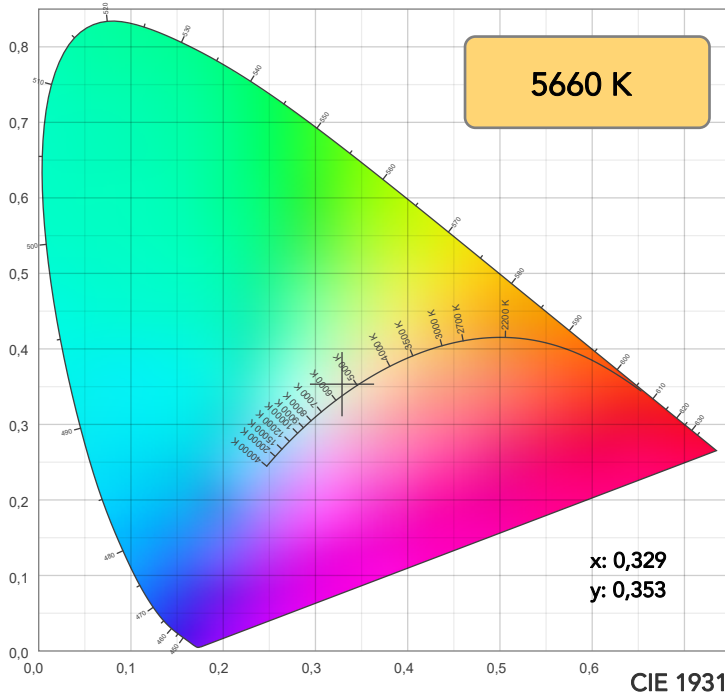
Field angle 10%: 18,3°

Cut off angle 2.5%: 24,6°

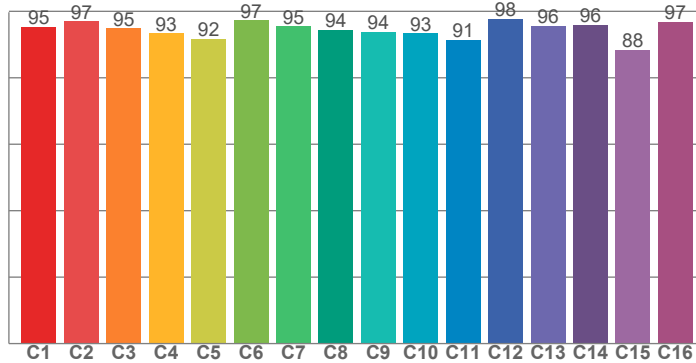
Spectra



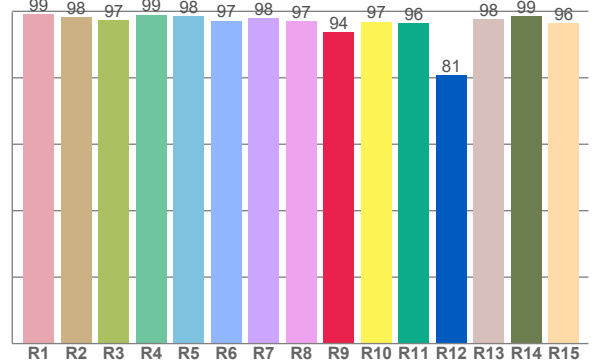
COLOR DETAILS



TM30: 94,3



CRI: 98,0 (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
99,2	98,1	97,3	98,9	98,5	97,2	98,0	97,1	93,6	96,9	96,5	80,7	97,6	98,5	96,4

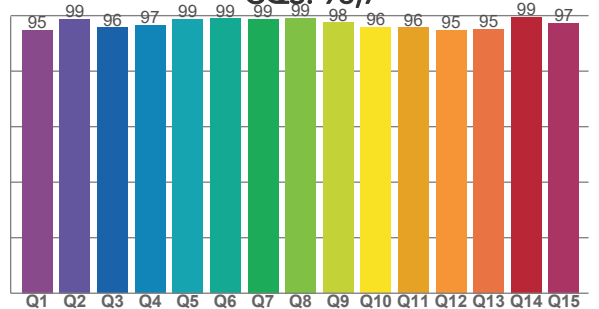
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	96,9	94,8	93,3	91,8	97,3	95,4	94,4	93,9	93,4	91,4	97,7	95,6	96,0	88,4	96,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,9	98,8	95,7	96,5	98,8	99,0	98,9	99,1	97,6	95,8	95,7	94,9	95,2	99,4	97,3

CQS: 96,7



COLOR PARAMETERS

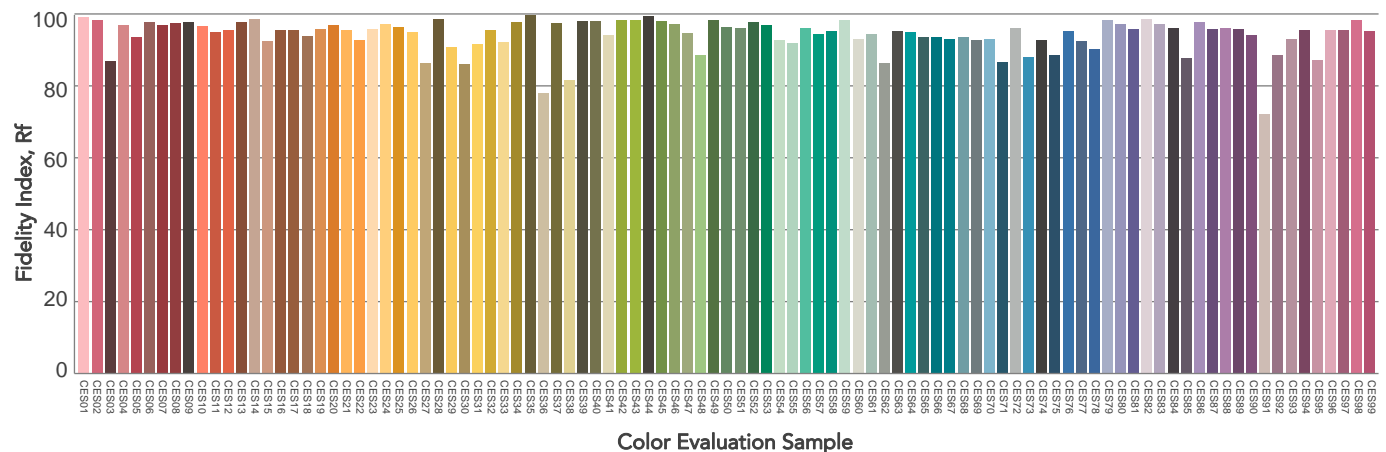
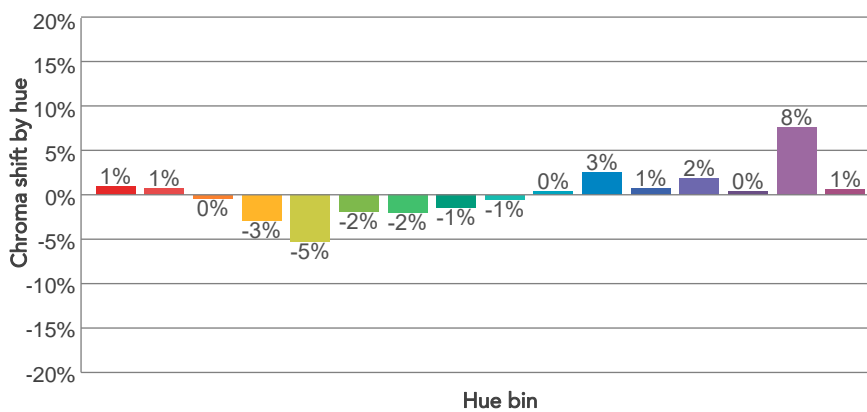
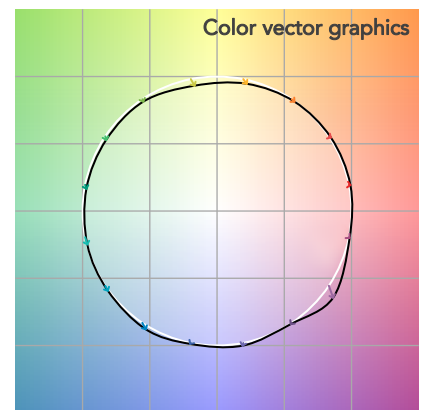
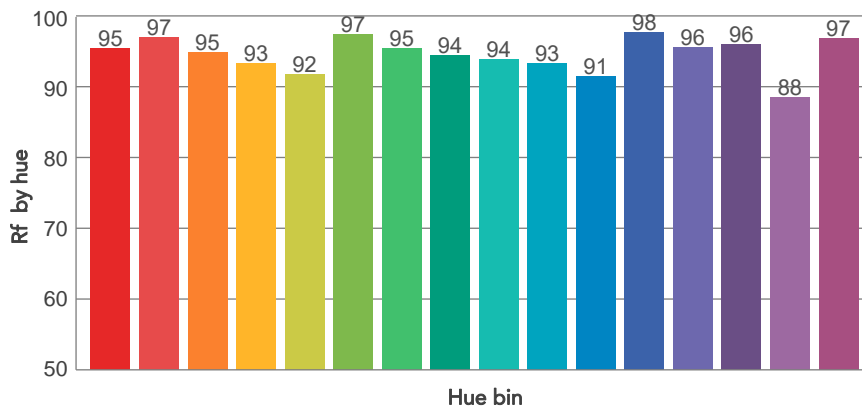
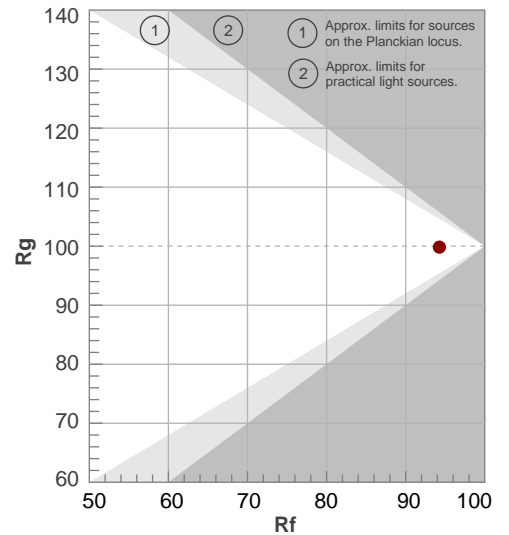
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5660 K	98,0	93,6	94,3	99,8	96,7	99	0,329	0,353	0,0045

TM30 DETAILS

Rf 94,3
Fidelity index Rf

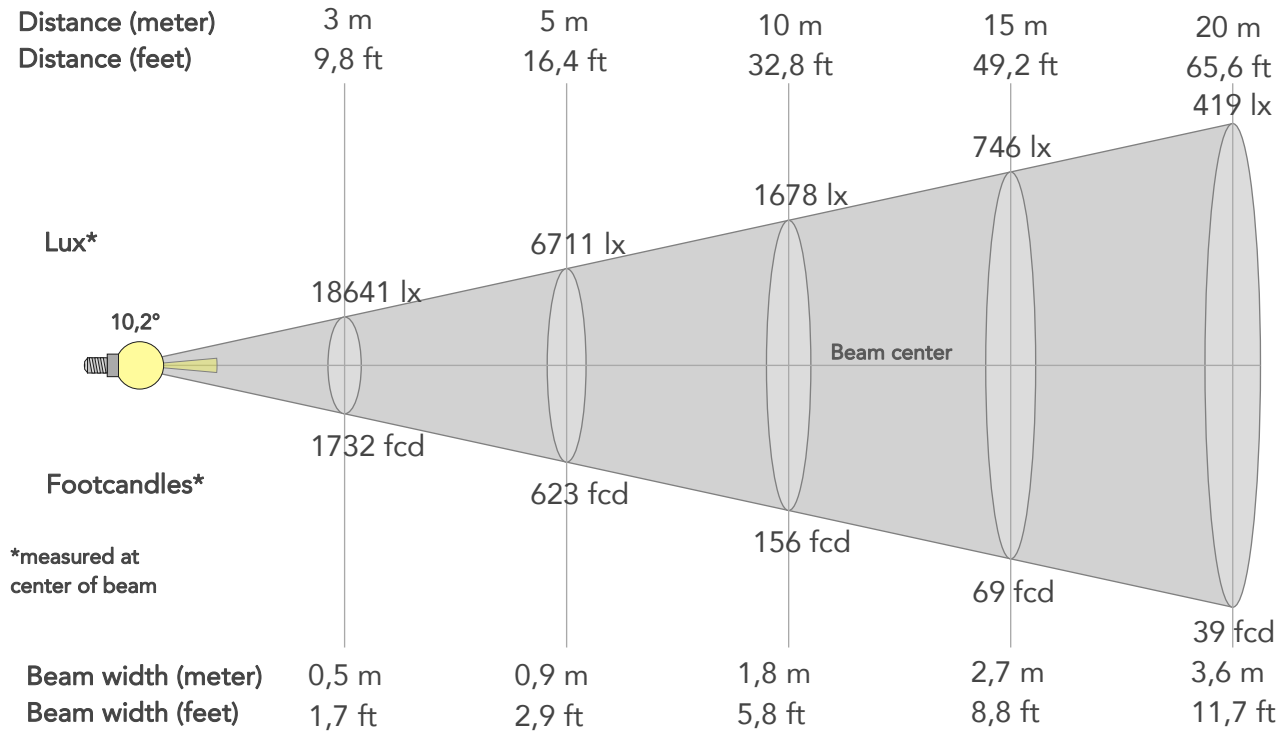
Rg 99,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	0%
2	97	1%	-2%
3	95	0%	-3%
4	93	-3%	-3%
5	92	-5%	-2%
6	97	-2%	0%
7	95	-2%	2%
8	94	-1%	3%
9	94	-1%	5%
10	93	0%	4%
11	91	3%	5%
12	98	1%	0%
13	96	2%	-1%
14	96	0%	-1%
15	88	8%	-6%
16	97	1%	0%



BEAM DETAILS

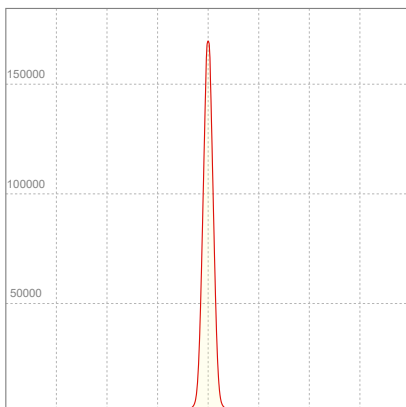
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,2°	18,3°	24,6°	94,6%	91,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	167768lx	41942lx	18641lx	10486lx	6711lx	2983lx	1678lx	746lx	419lx	268lx	186lx	105lx	67lx
Footcand.	15586fcd	3897fcd	1732fcd	974fcd	623fcd	277fcd	156fcd	69fcd	39fcd	25fcd	17fcd	10fcd	6fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,3m	1,8m	2,7m	3,6m	4,5m	5,3m	7,1m	8,9m
Beam wid.	0,6ft	1,2ft	1,7ft	2,3ft	2,9ft	4,4ft	5,8ft	8,8ft	11,7ft	14,6ft	17,5ft	23,4ft	29,2ft

LINEAR DISTRIBUTION DIAGRAM

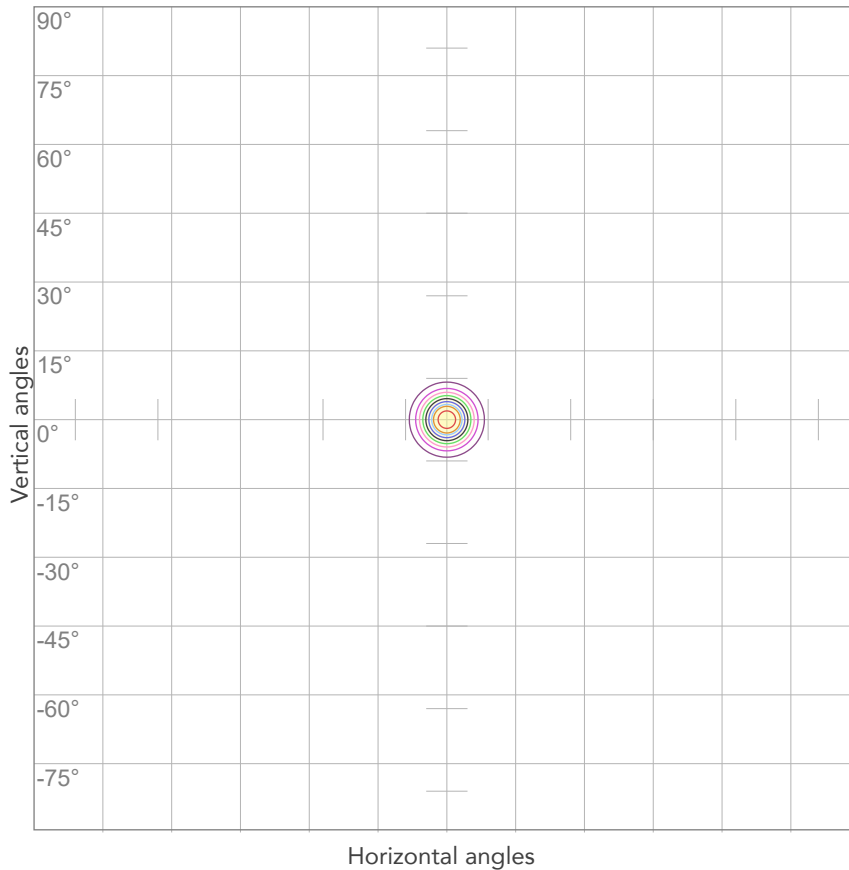


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,559A	123,3W	0,97	65lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



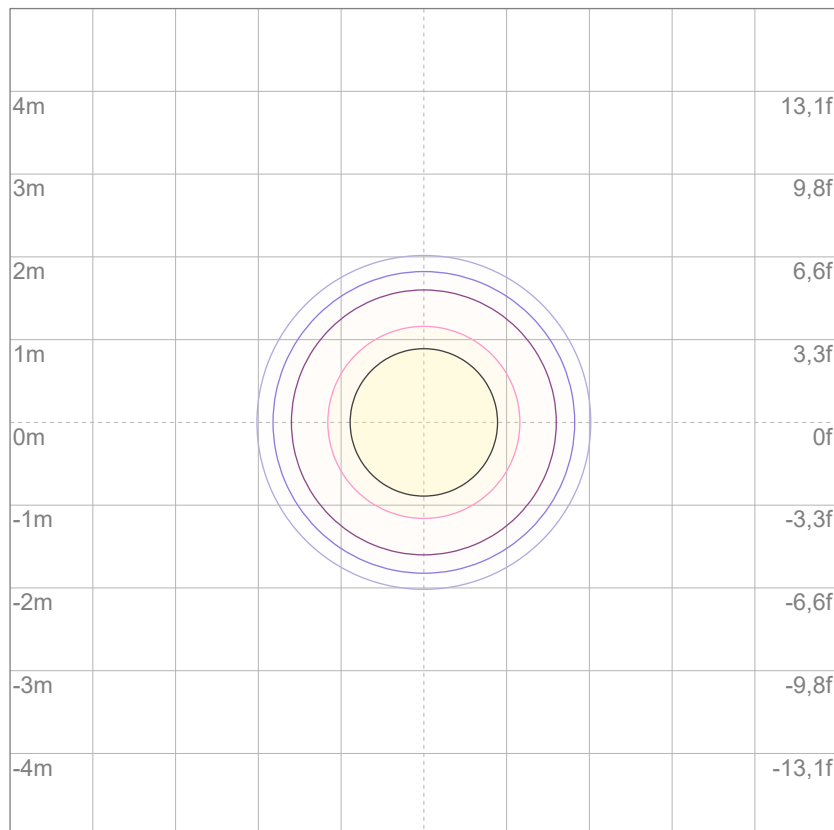
10%	16777 cd
20%	33554 cd
30%	50331 cd
40%	67107 cd
50%	83884 cd
60%	100661 cd
70%	117438 cd
80%	134215 cd

Conditions:

Number of c-planes: 2

Candela at center: 167768 cd

ISO LUX DIAGRAM



3%	50,3 lx
5%	83,9 lx
10%	168 lx
30%	503 lx
50%	839 lx

Conditions:

Number of c-planes: 2

Lux at center: 1678 lx

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



Total lumen output:

7245 lm

Peak candela output:

30342 cd

Light quality:

CRI: 98,0

Color temperature:

5636 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

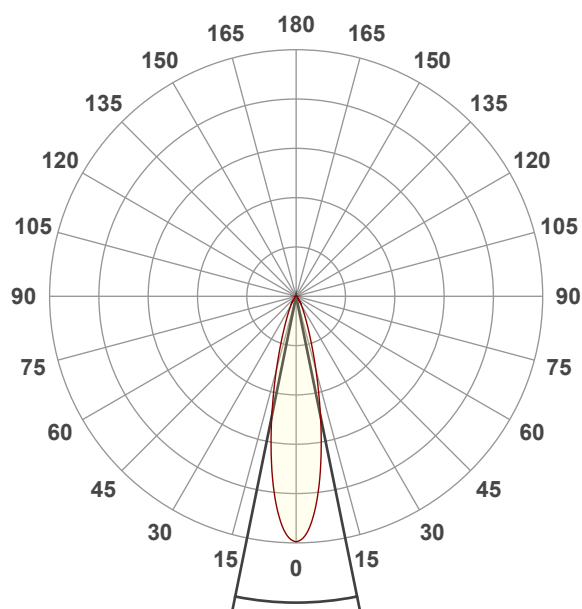
5600K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:20:35

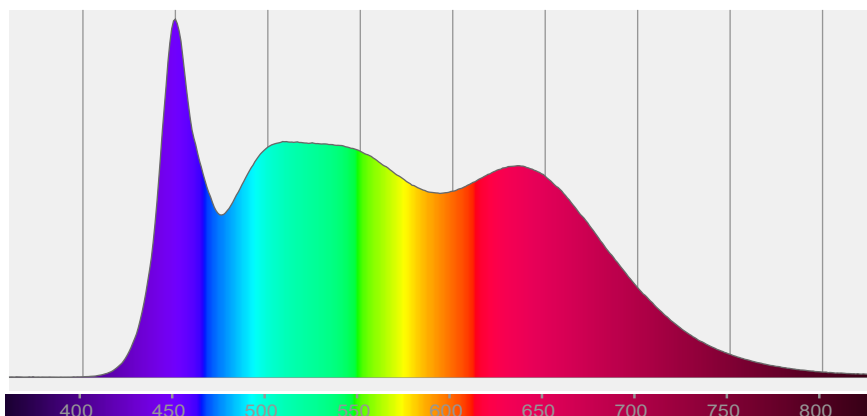


Beam angle 50%: 23°

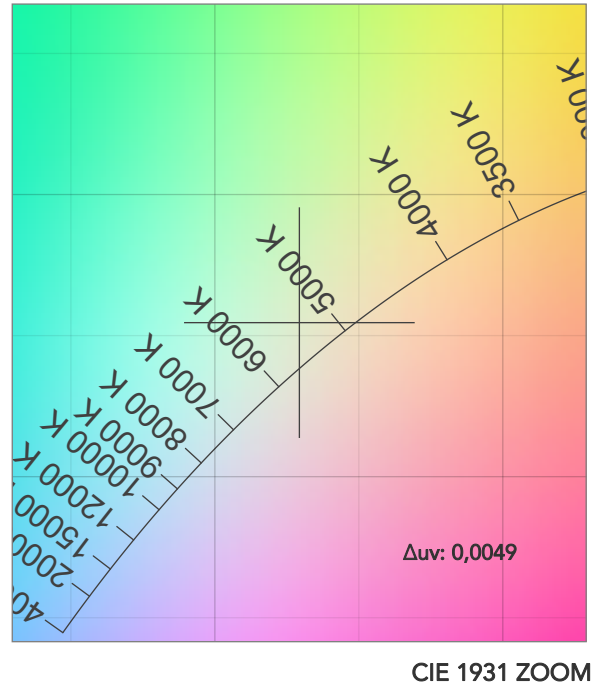
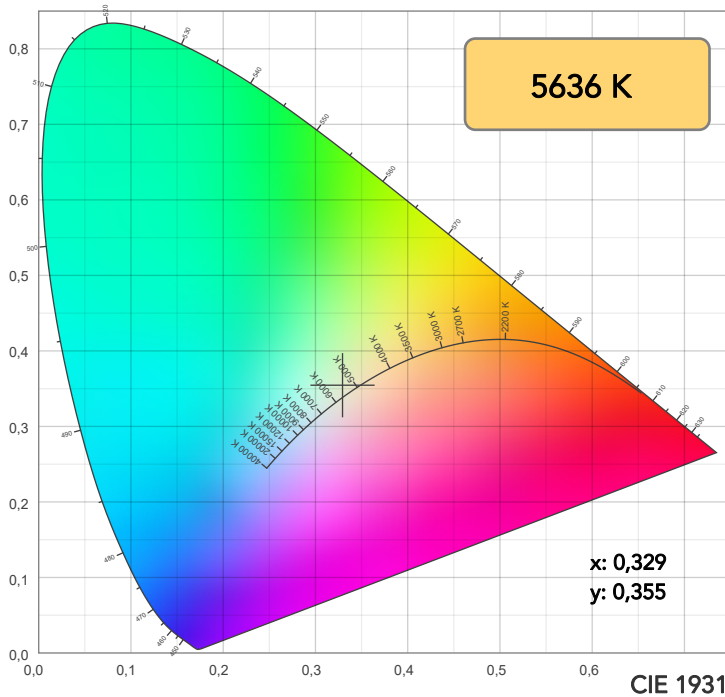
Field angle 10%: 45,8°

Cut off angle 2.5%: 70,5°

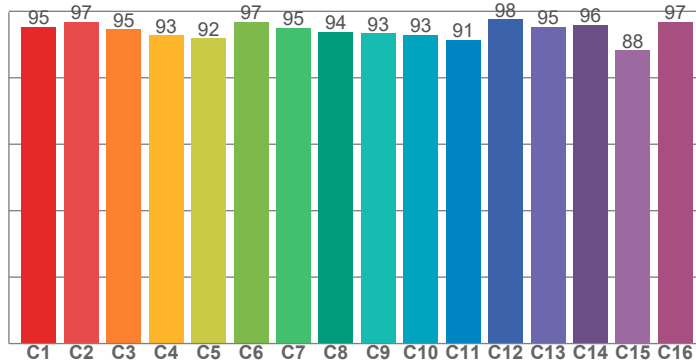
Spectra



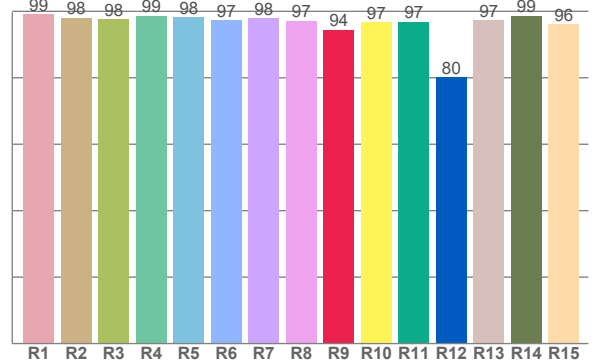
COLOR DETAILS



TM30: 93,9



CRI: 98,0 (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
99,1	98,1	97,6	98,7	98,1	97,2	97,8	97,2	94,4	96,8	96,9	80,1	97,4	98,7	96,2

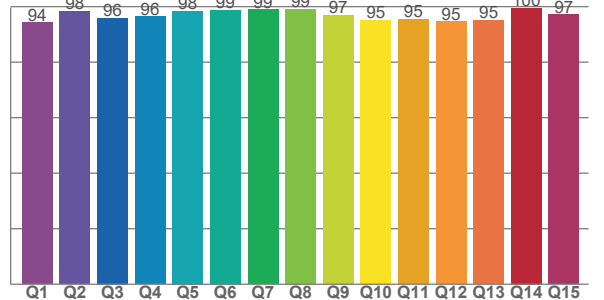
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	96,9	94,6	92,8	91,8	96,8	95,0	93,8	93,4	93,0	91,4	97,5	95,3	95,8	88,3	96,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,3	98,3	95,9	96,4	98,4	98,8	98,9	99,1	97,1	95,2	95,5	94,7	95,1	99,5	97,2

CQS: 96,5



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5636 K	98,0	94,4	93,9	99,5	96,5	99	0,329	0,355	0,0049

TM30 DETAILS

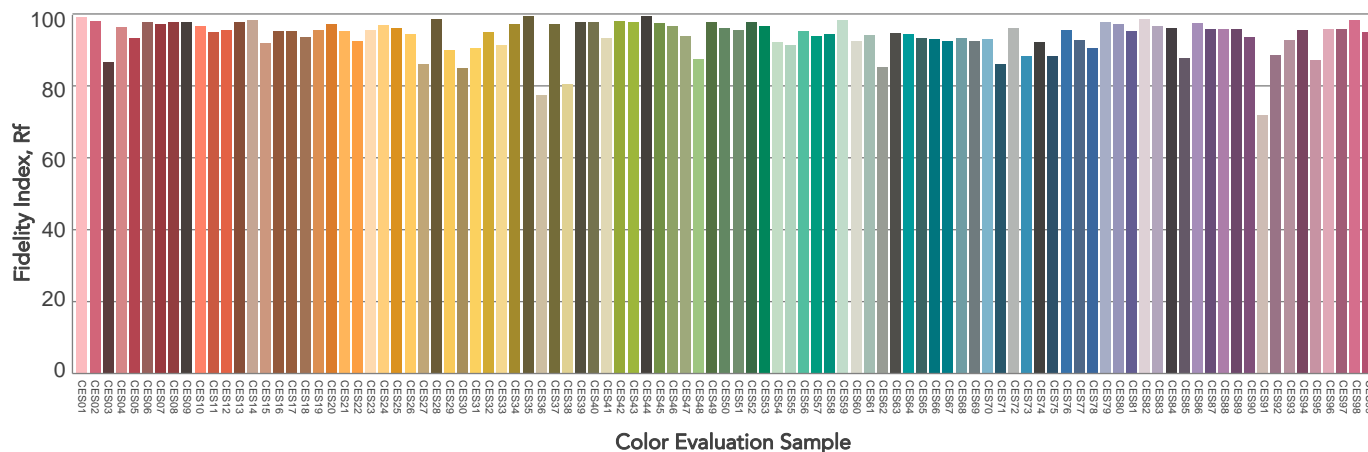
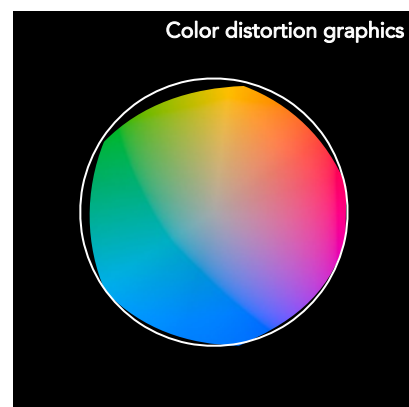
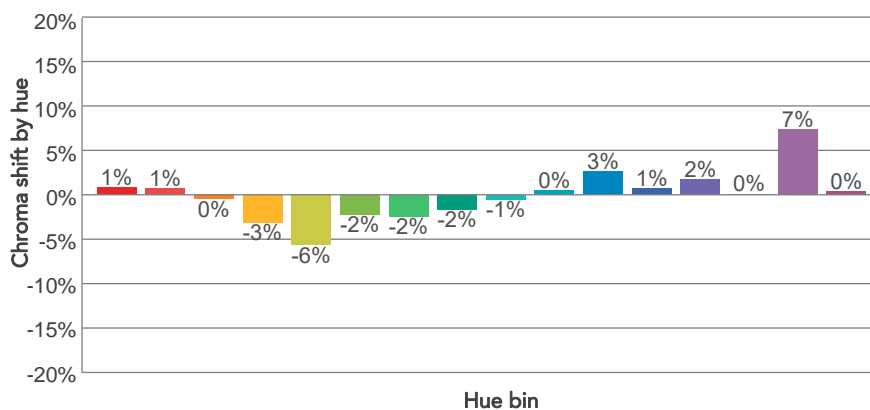
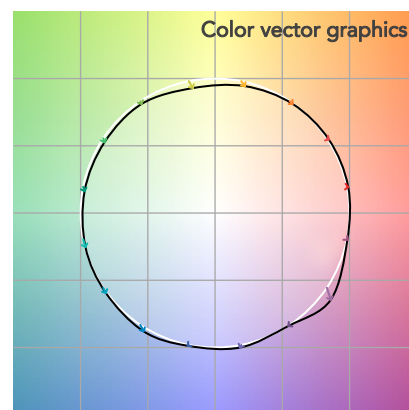
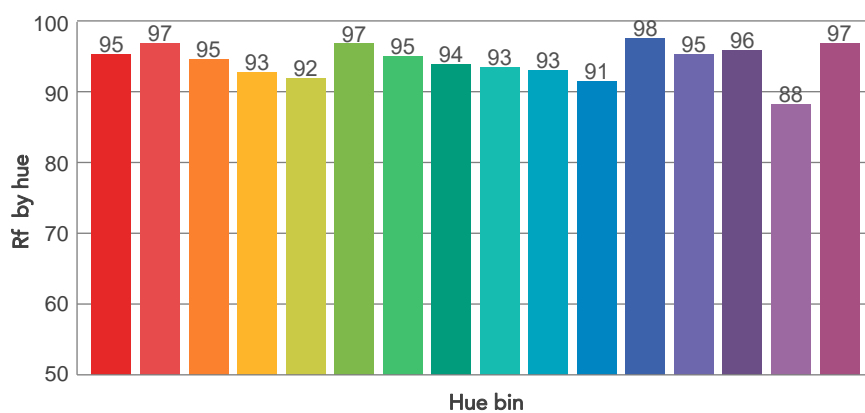
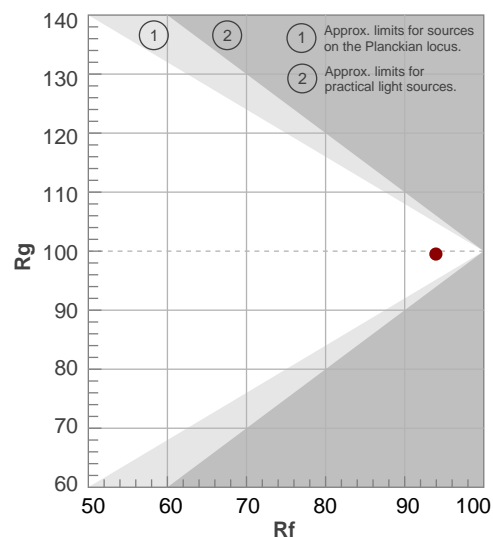
Rf 93,9

Fidelity index Rf

Rg 99,5

Gammut index

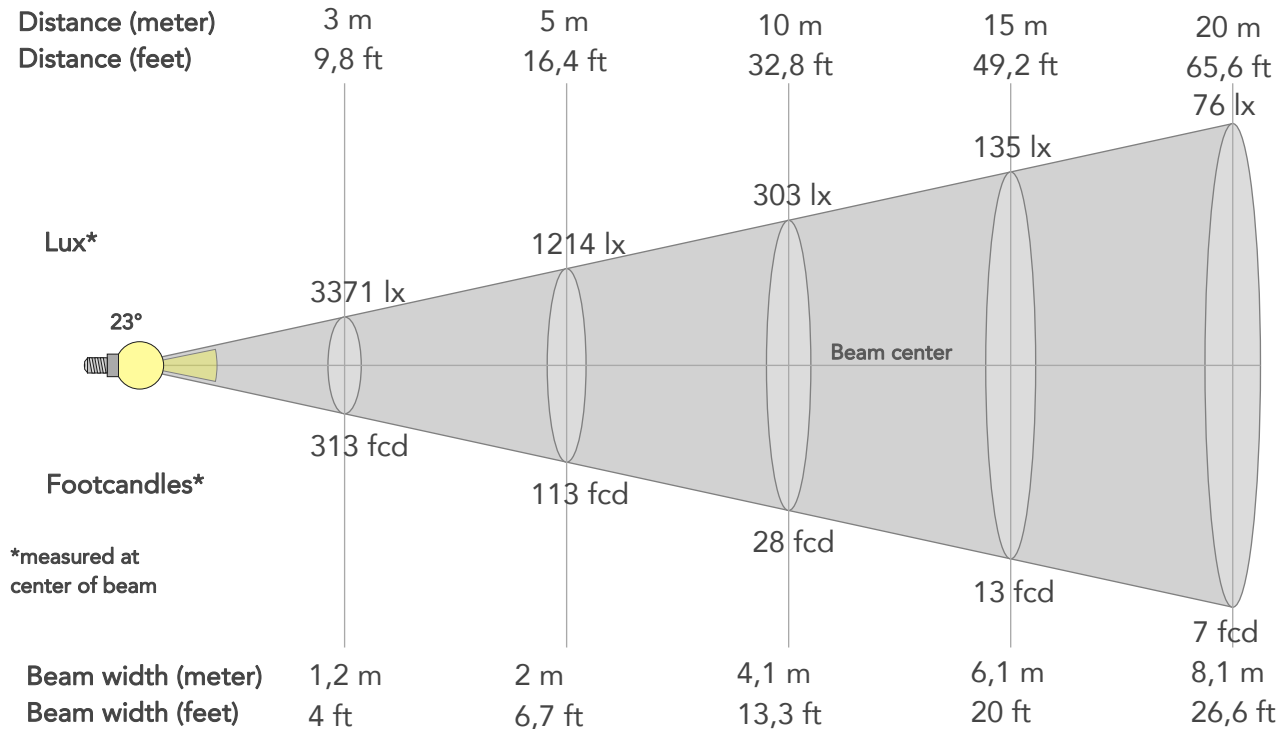
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	0%
2	97	1%	-2%
3	95	0%	-3%
4	93	-3%	-3%
5	92	-6%	-2%
6	97	-2%	0%
7	95	-2%	2%
8	94	-2%	3%
9	93	-1%	6%
10	93	0%	4%
11	91	3%	5%
12	98	1%	-1%
13	95	2%	-1%
14	96	0%	-1%
15	88	7%	-6%
16	97	0%	0%



BEAM DETAILS



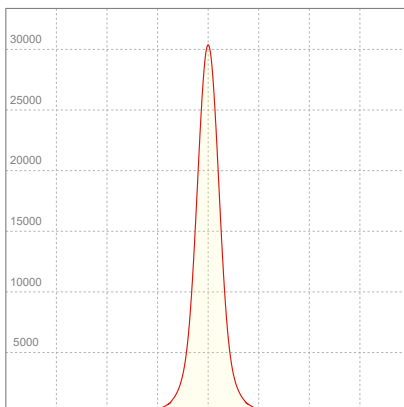
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23°	45,8°	70,5°	96,5%	92,3%



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	30342lx	7585lx	3371lx	1896lx	1214lx	539lx	303lx	135lx	76lx	49lx	34lx	19lx	12lx
Footcand.	2819fcd	705fcd	313fcd	176fcd	113fcd	50fcd	28fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,2m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	40ft	53,3ft	66,6ft

LINEAR DISTRIBUTION DIAGRAM

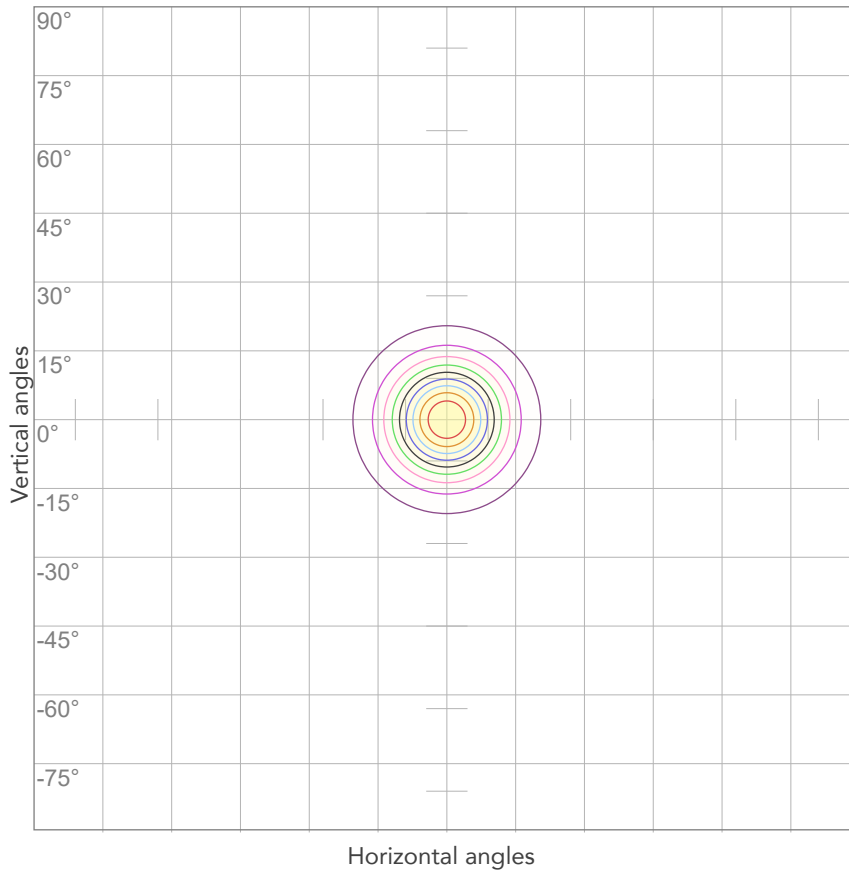


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,567A	124,6W	0,97	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



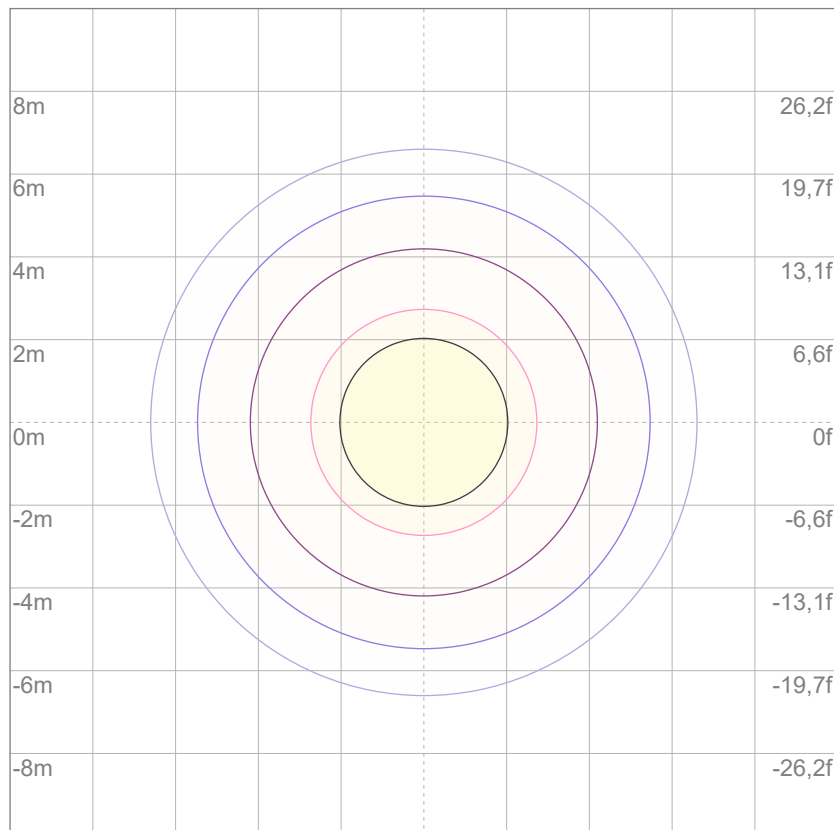
10%	3034 cd
20%	6068 cd
30%	9102 cd
40%	12137 cd
50%	15171 cd
60%	18205 cd
70%	21239 cd
80%	24273 cd

Conditions:

Number of c-planes: 2

Candela at center: 30342 cd

ISO LUX DIAGRAM



3%	9,10 lx
5%	15,2 lx
10%	30,3 lx
30%	91,0 lx
50%	152 lx

Conditions:

Number of c-planes: 2

Lux at center: 303 lx

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



Total lumen output:

7171 lm

Peak candela output:

9168 cd

Light quality:

CRI: 98,1

Color temperature:

5630 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

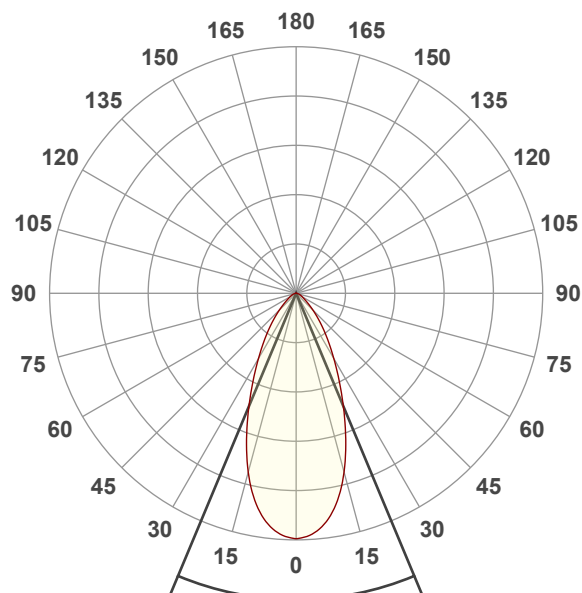
5600K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:44:13

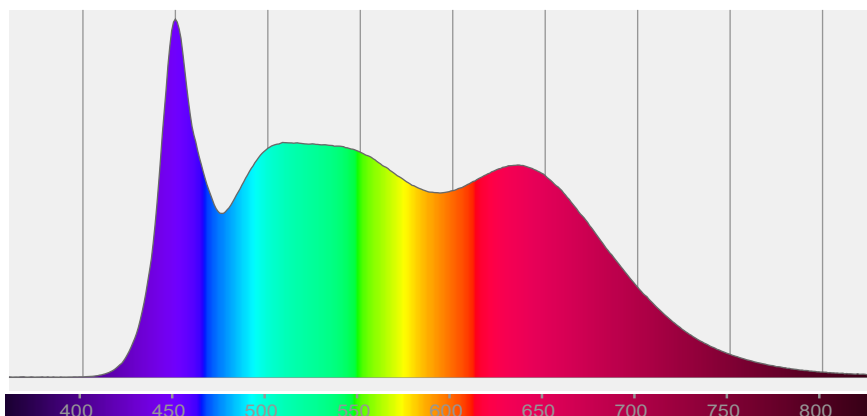


Beam angle 50%: 45,4°

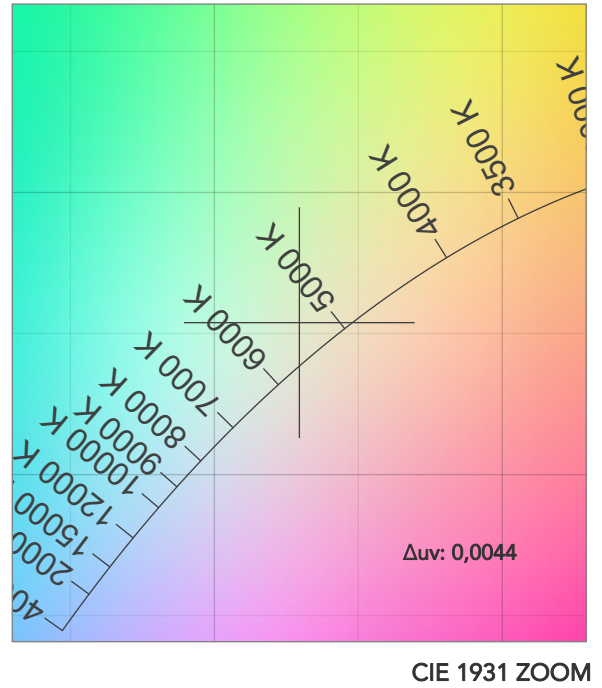
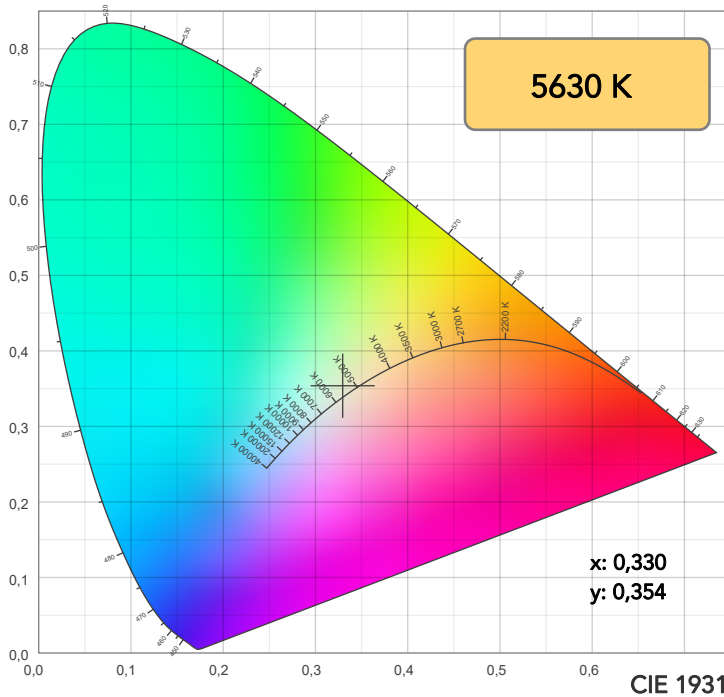
Field angle 10%: 89,4°

Cut off angle 2.5%: 124,3°

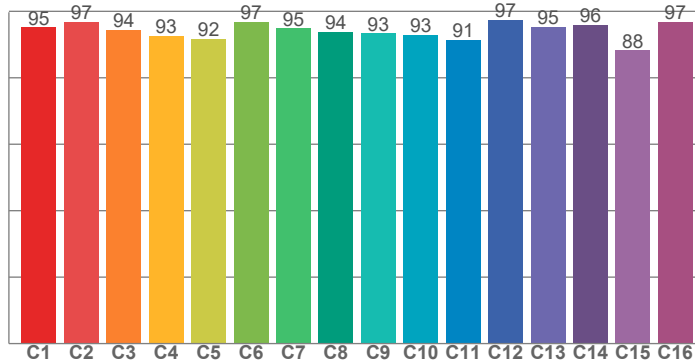
Spectra



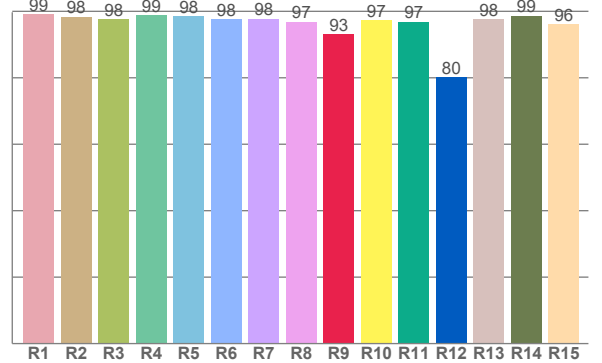
COLOR DETAILS



TM30: 93,9



CRI: 98,1 (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
99,2	98,3	97,7	98,7	98,4	97,5	97,7	96,8	93,2	97,3	96,9	80,3	97,6	98,7	96,1

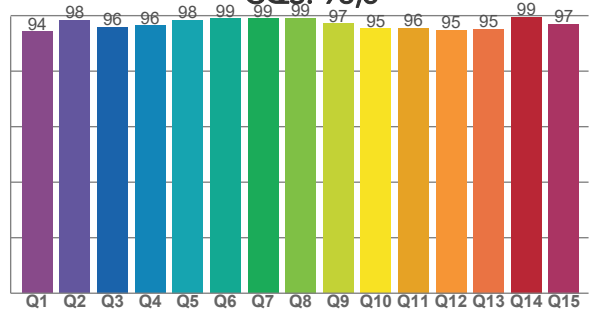
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,2	96,9	94,5	92,7	91,7	96,8	94,9	93,8	93,3	92,9	91,4	97,5	95,2	95,9	88,3	96,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,2	98,3	95,9	96,4	98,4	98,9	99,0	99,1	97,1	95,4	95,5	94,8	95,2	99,5	97,0

CQS: 96,5



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5630 K	98,1	93,2	93,9	99,6	96,5	99	0,330	0,354	0,0044

TM30 DETAILS

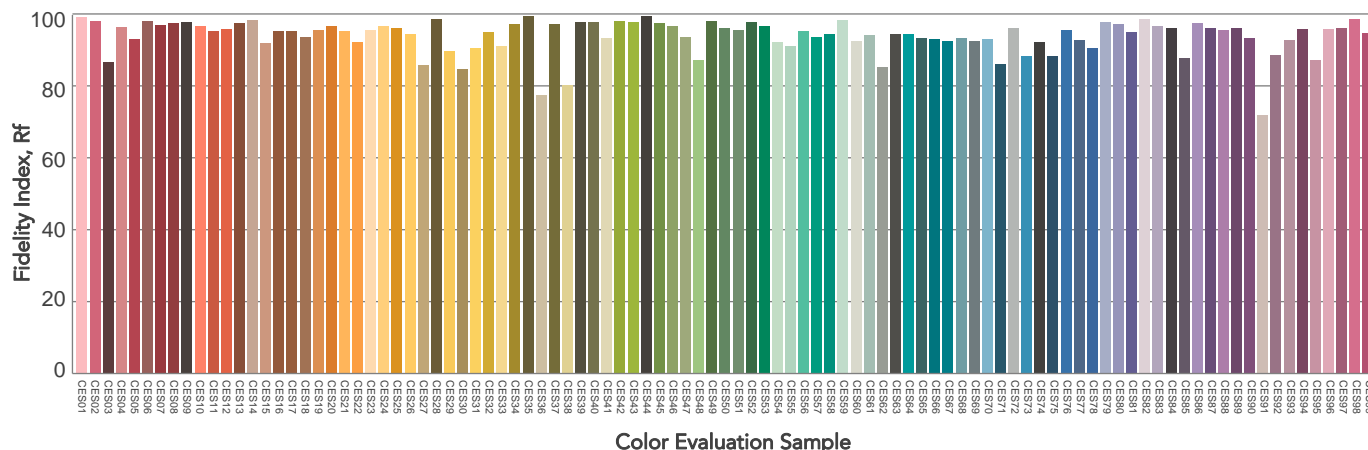
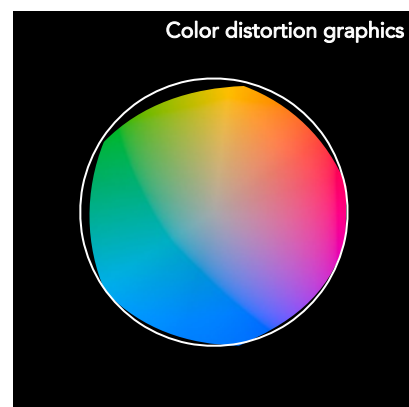
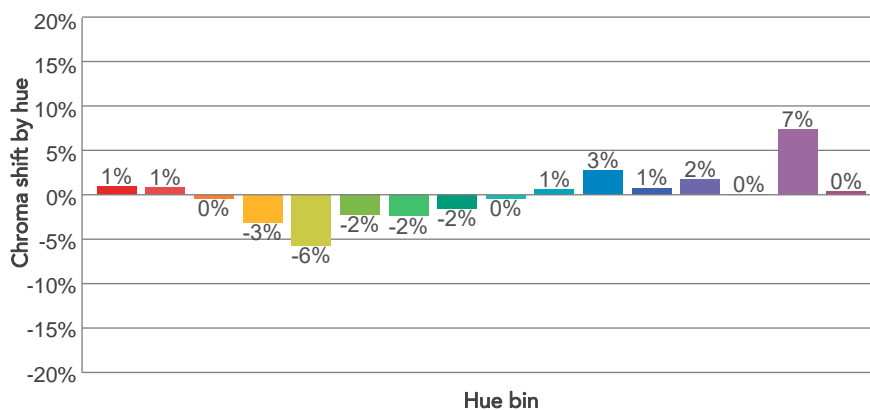
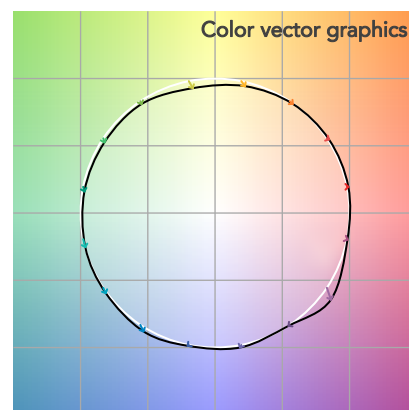
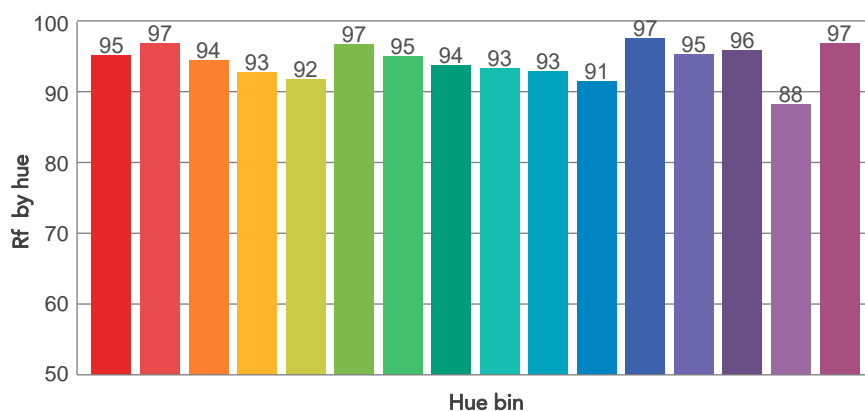
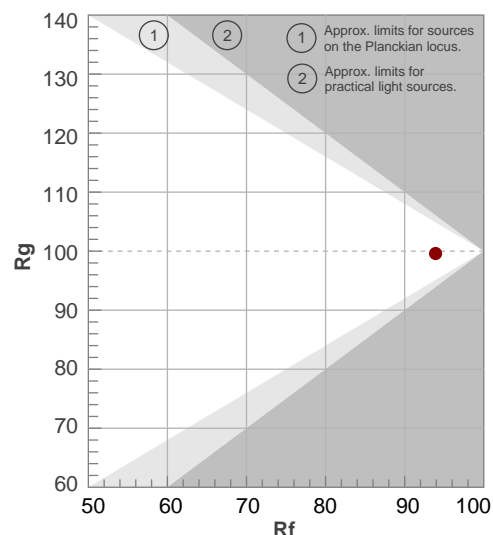
Rf 93,9

Fidelity index Rf

Rg 99,6

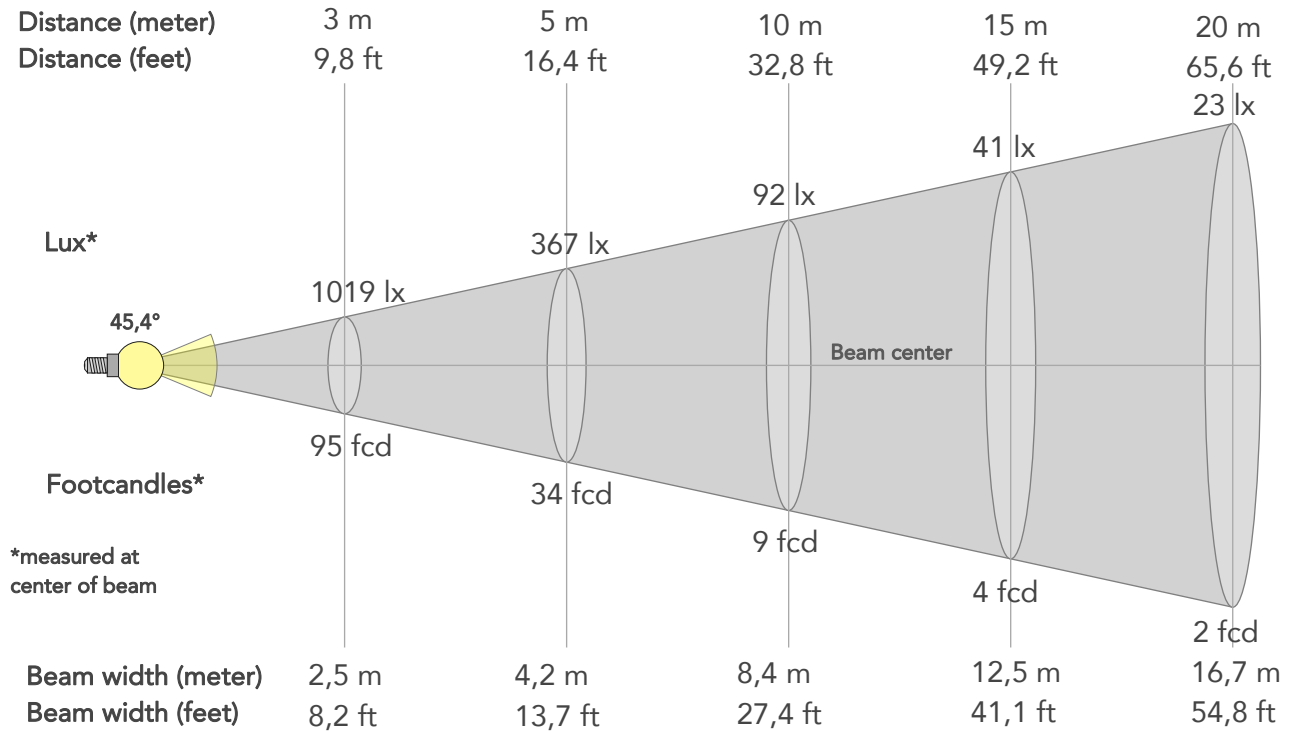
Gammut index

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



BEAM DETAILS

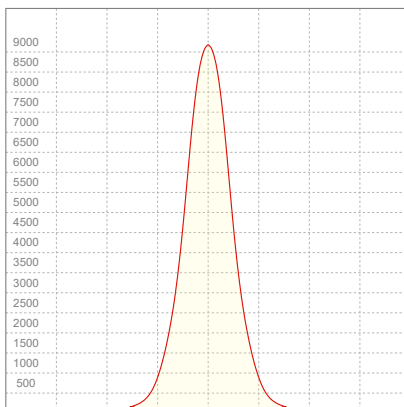
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,4°	89,4°	124,3°	95,4%	86,6%



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	9168lx	2292lx	1019lx	573lx	367lx	163lx	92lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	852fcd	213fcd	95fcd	53fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,5m	16,7m	20,9m	25,1m	33,4m	41,8m
Beam wid.	2,8ft	5,5ft	8,2ft	10,9ft	13,7ft	20,6ft	27,4ft	41,1ft	54,8ft	68,5ft	82,2ft	109,7ft	137,1ft

LINEAR DISTRIBUTION DIAGRAM

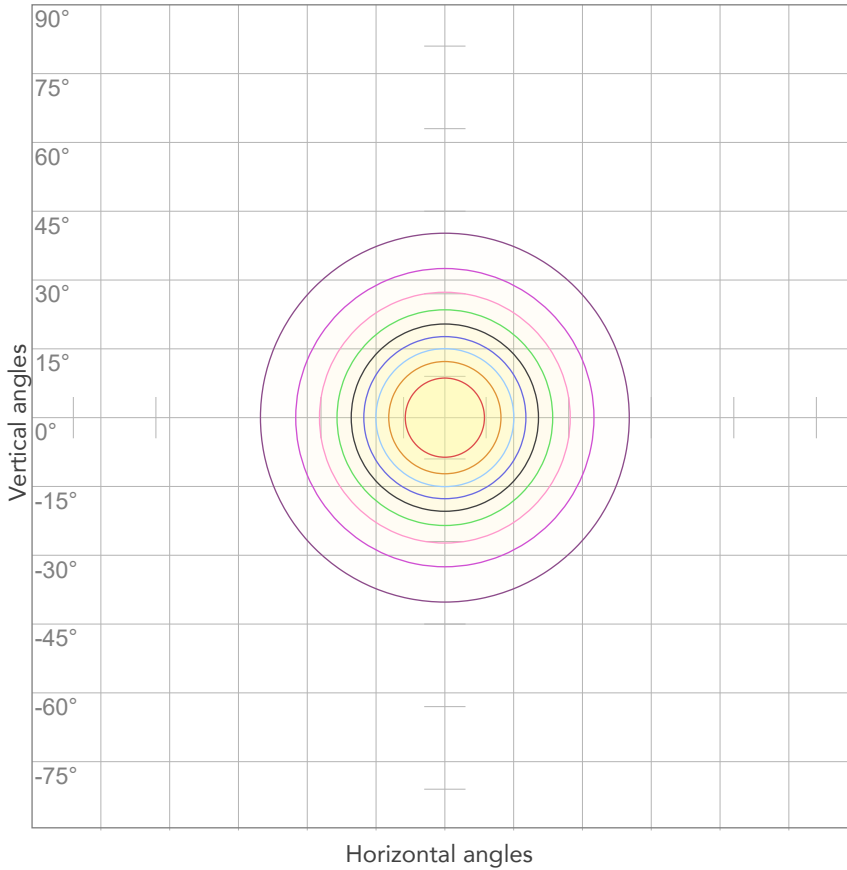


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,571A	124,8W	0,97	57lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



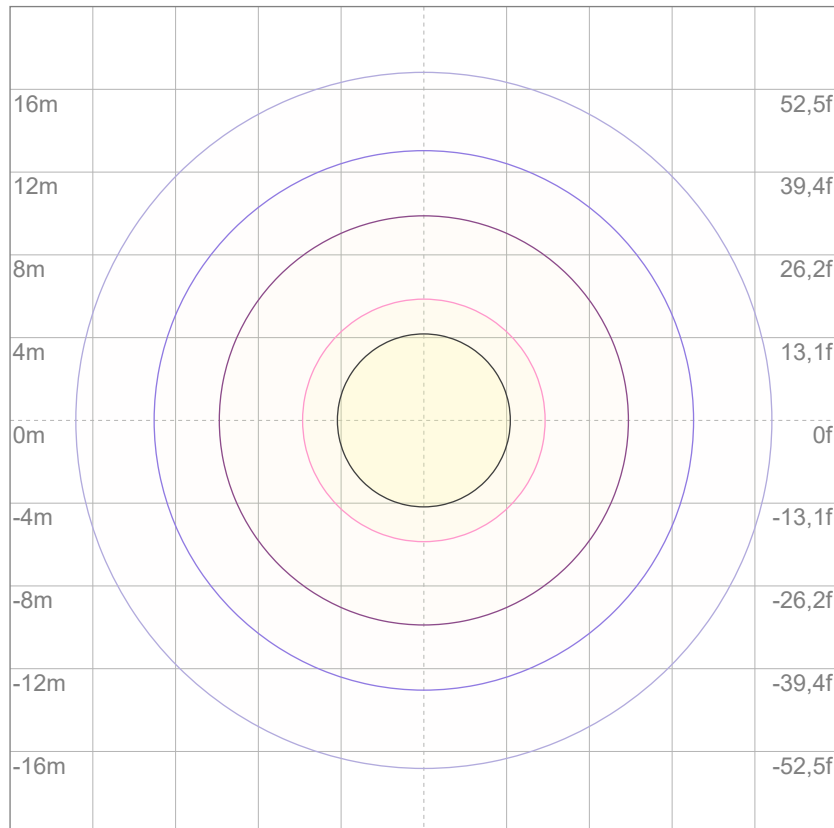
10%	917 cd
20%	1834 cd
30%	2750 cd
40%	3667 cd
50%	4584 cd
60%	5501 cd
70%	6418 cd
80%	7334 cd

Conditions:

Number of c-planes: 2

Candela at center: 9168 cd

ISO LUX DIAGRAM



3%	2,75 lx
5%	4,58 lx
10%	9,17 lx
30%	27,5 lx
50%	45,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 91,7 lx

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



Total lumen output:

6878 lm

Peak candela output:

6367 cd

Light quality:

CRI: 98,1

Color temperature:

5630 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

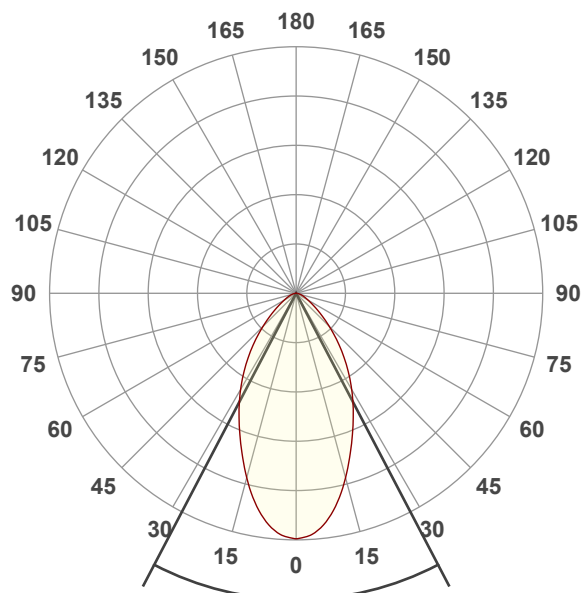
5600K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:16:51

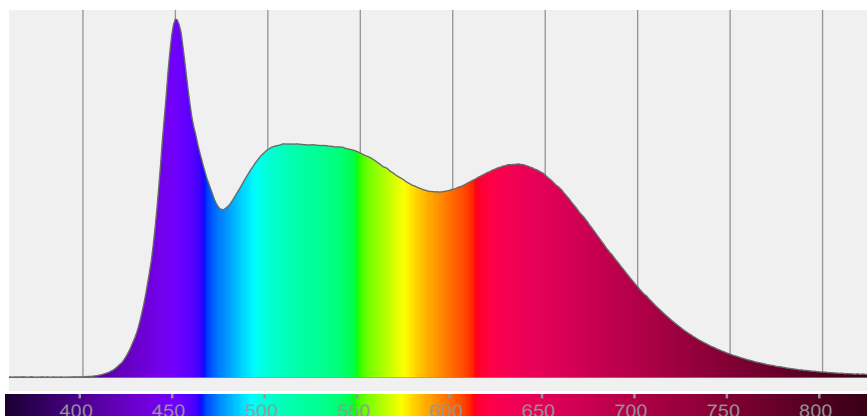


Beam angle 50%: 55,2°

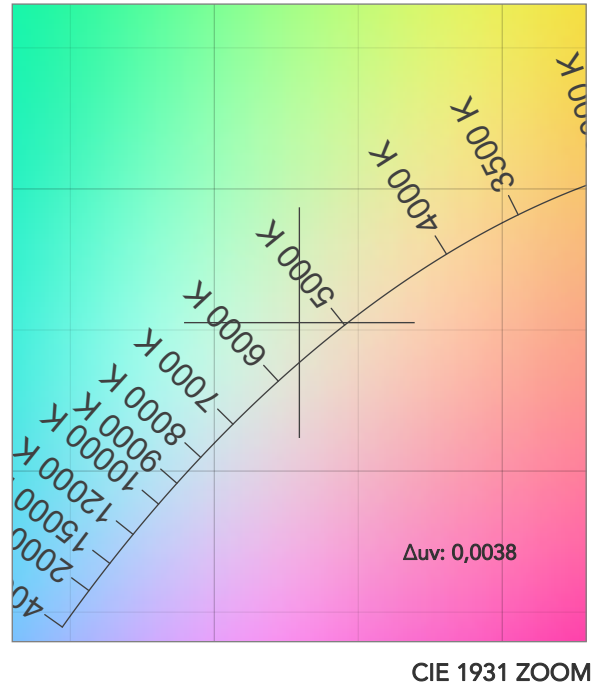
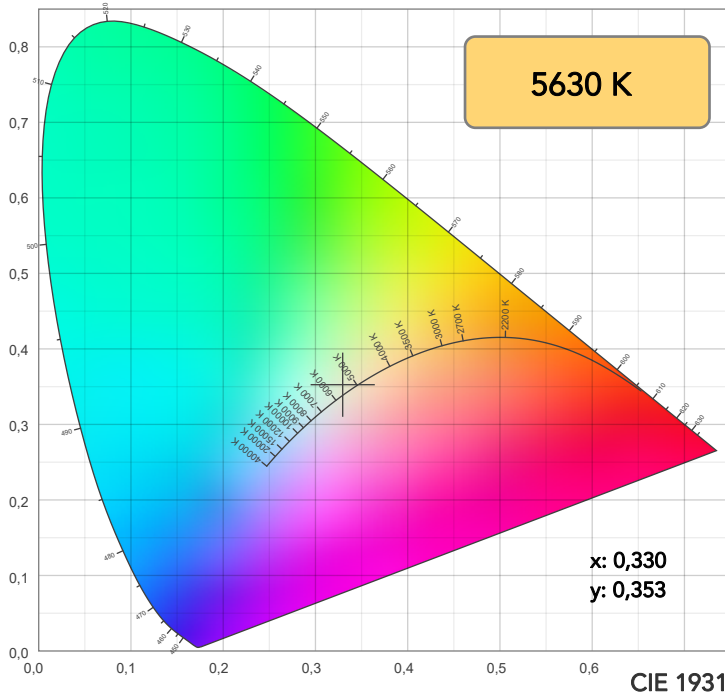
Field angle 10%: 106,4°

Cut off angle 2.5%: 142,5°

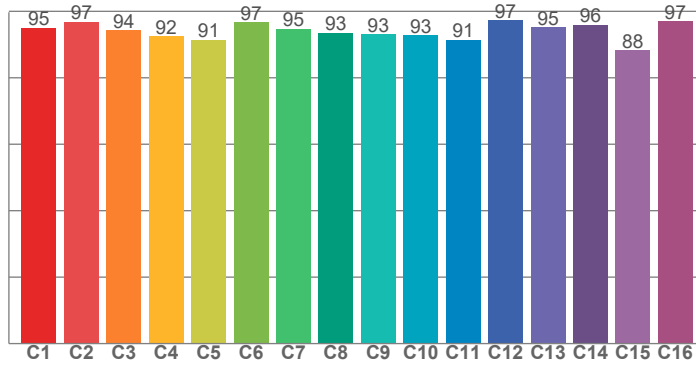
Spectra



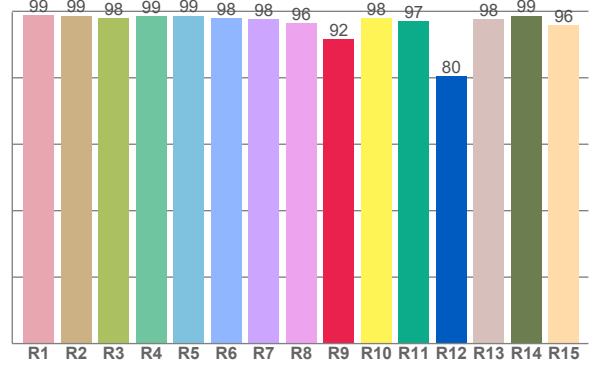
COLOR DETAILS



TM30: 93,7



CRI: 98,1 (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
98,9	98,7	97,9	98,6	98,7	98,0	97,6	96,3	91,6	98,0	96,9	80,4	97,6	98,7	95,8

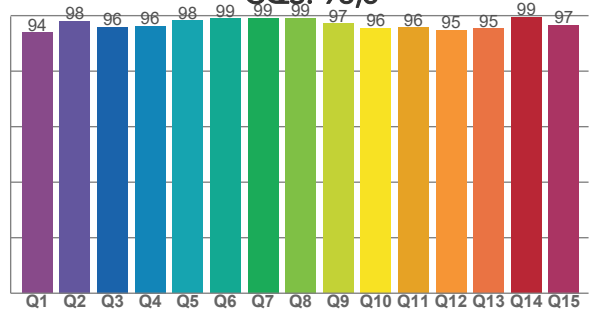
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	96,9	94,3	92,4	91,4	96,6	94,7	93,5	93,0	92,7	91,4	97,3	95,1	95,9	88,2	96,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,0	98,1	95,9	96,3	98,2	98,9	99,1	99,1	97,2	95,5	95,7	94,9	95,4	99,4	96,7

CQS: 96,5



COLOR PARAMETERS

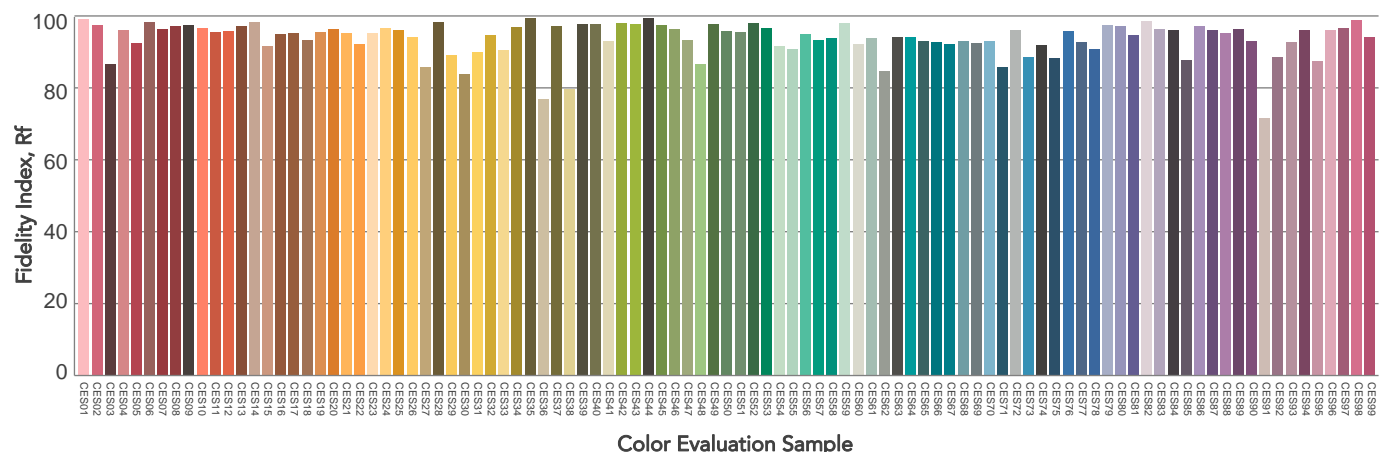
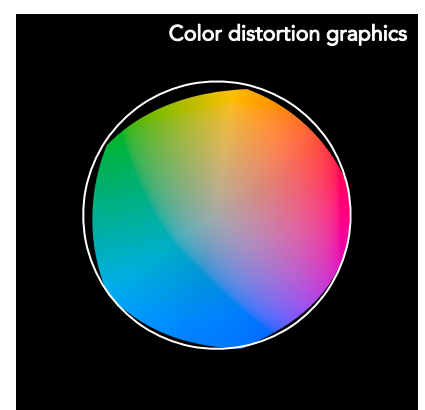
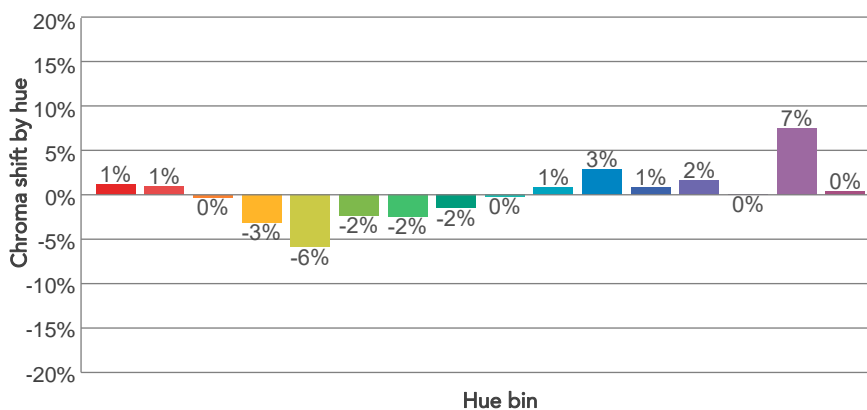
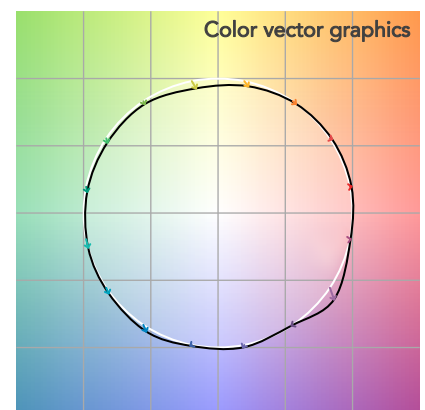
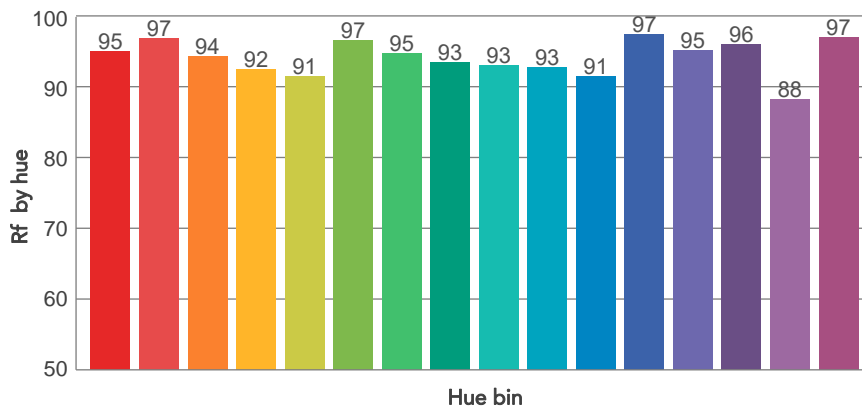
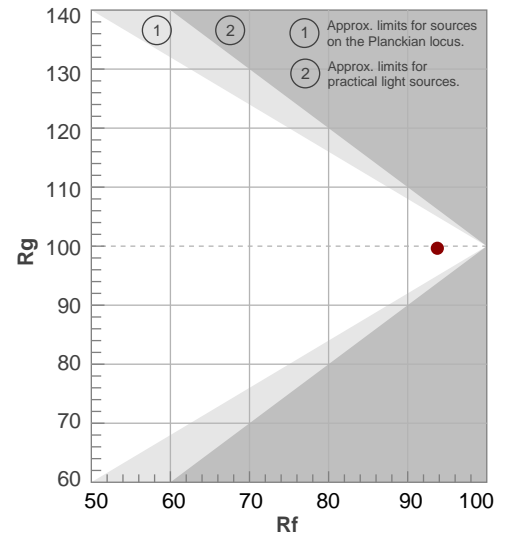
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5630 K	98,1	91,6	93,7	99,6	96,5	98	0,330	0,353	0,0038

TM30 DETAILS

Rf 93,7
Fidelity index Rf

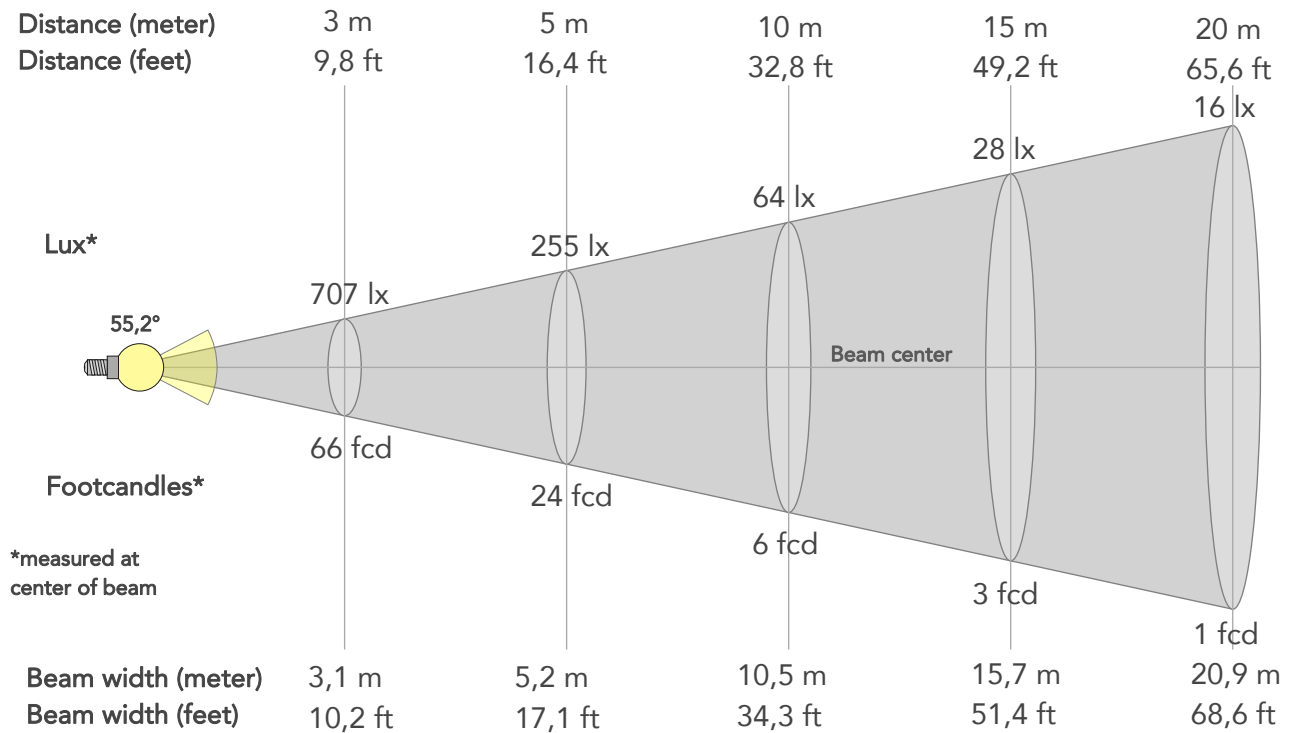
Rg 99,6
Gammut index

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



BEAM DETAILS

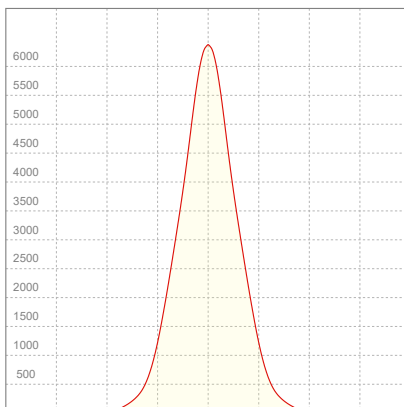
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,2°	106,4°	142,5°	93,6%	80,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6367lx	1592lx	707lx	398lx	255lx	113lx	64lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	591fcd	148fcd	66fcd	37fcd	24fcd	11fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,5m	15,7m	20,9m	26,1m	31,4m	41,8m	52,3m
Beam wid.	3,5ft	6,9ft	10,2ft	13,7ft	17,1ft	25,7ft	34,3ft	51,4ft	68,6ft	85,7ft	102,9ft	137,2ft	171,5ft

LINEAR DISTRIBUTION DIAGRAM

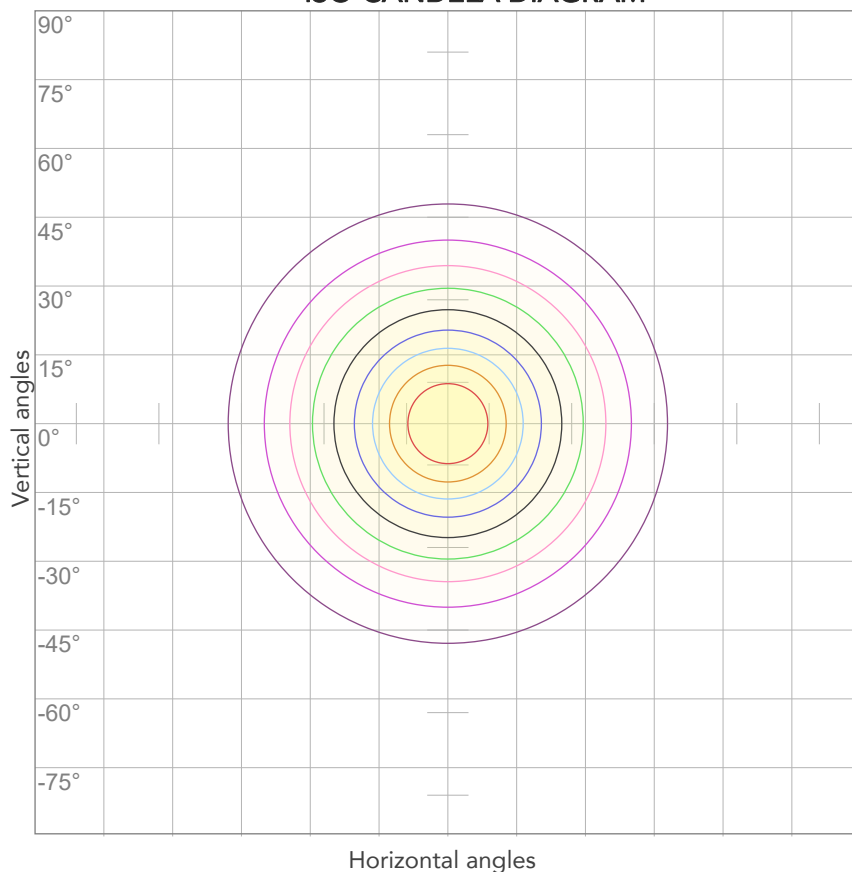


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,557A	123,4W	0,97	56lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



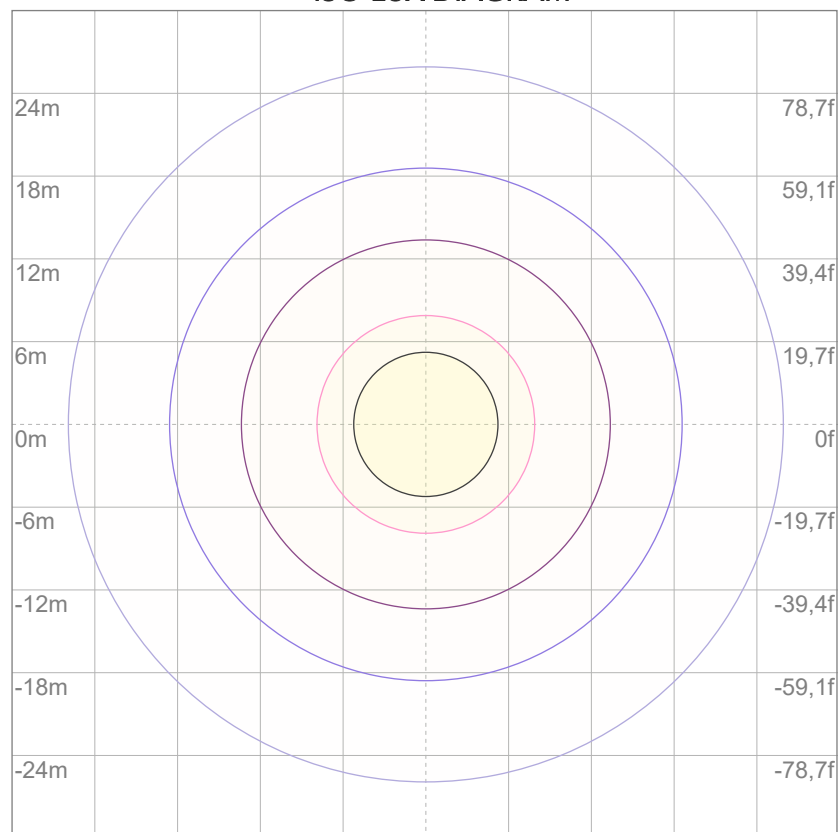
10%	637 cd
20%	1273 cd
30%	1910 cd
40%	2547 cd
50%	3183 cd
60%	3820 cd
70%	4457 cd
80%	5093 cd

Conditions:

Number of c-planes: 2

Candela at center: 6367 cd

ISO LUX DIAGRAM



3%	1,91 lx
5%	3,18 lx
10%	6,37 lx
30%	19,1 lx
50%	31,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 63,7 lx

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



Total lumen output:

10087 lm

Peak candela output:

21853 cd

Light quality:

CRI: 98,0

Color temperature:

5635 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

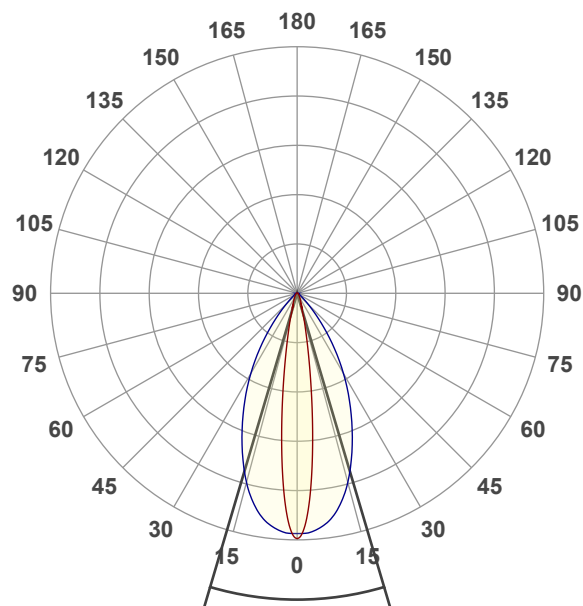
5600K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:47:34

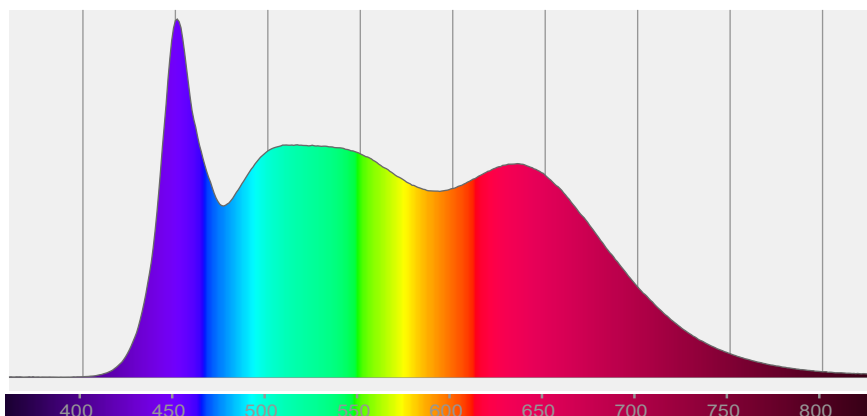


Beam angle 50%: 33°

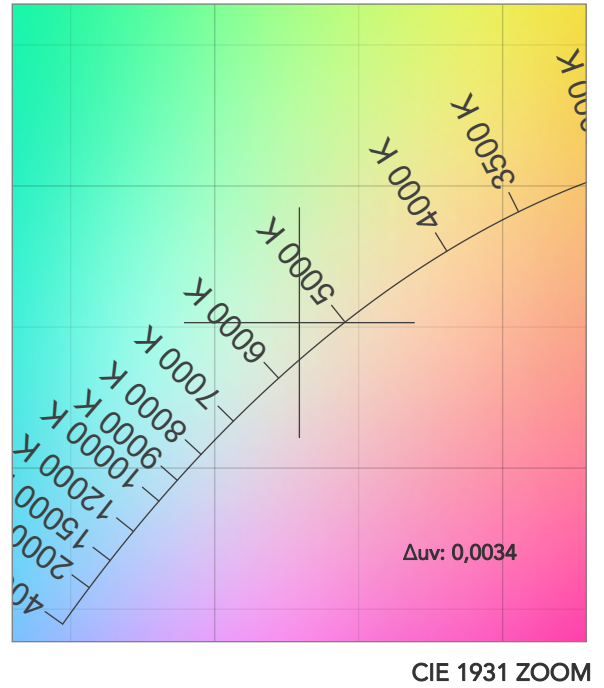
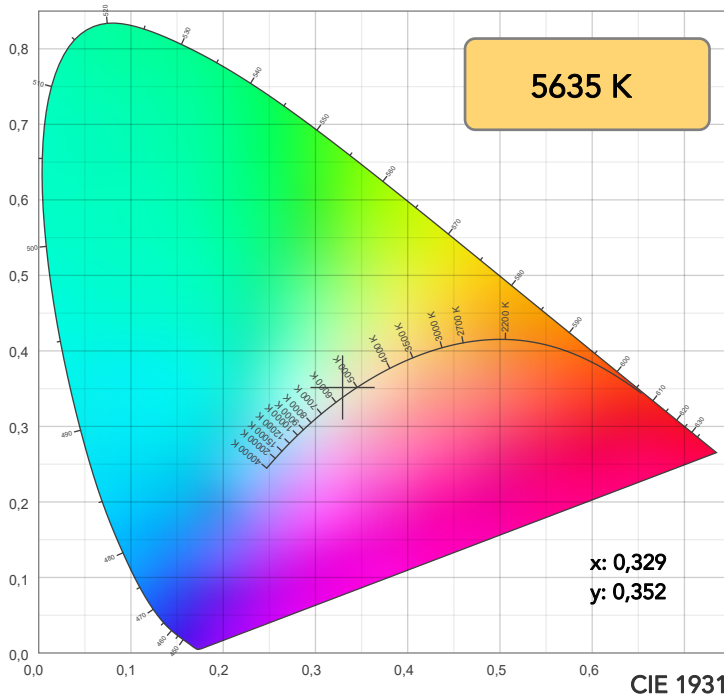
Field angle 10%: 57,6°

Cut off angle 2.5%: 80,5°

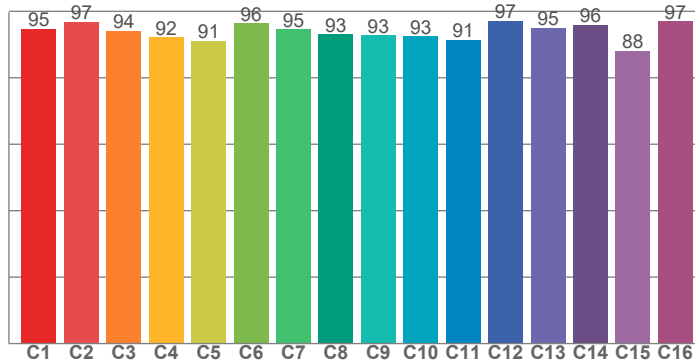
Spectra



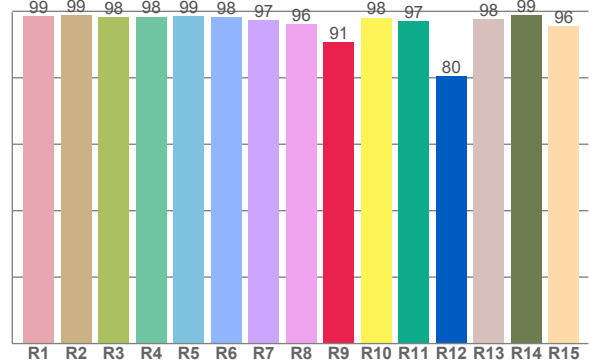
COLOR DETAILS



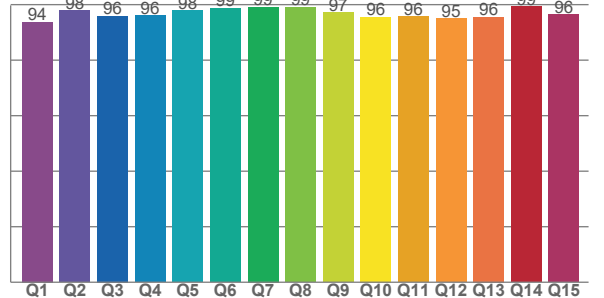
TM30: 93,6



CRI: 98,0 (R1-R8)



CQS: 96,5



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,5	98,8	98,2	98,4	98,6	98,2	97,4	96,0	90,6	98,1	97,0	80,4	97,5	98,8	95,5

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
94,7	96,9	94,1	92,1	91,1	96,4	94,5	93,1	92,7	92,5	91,4	97,2	95,0	95,9	88,1	96,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	97,9	96,0	96,1	97,9	98,7	99,1	99,1	97,2	95,5	95,7	95,0	95,5	99,2	96,4

COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5635 K	98,0	90,6	93,6	99,6	96,5	98	0,329	0,352	0,0034

TM30 DETAILS

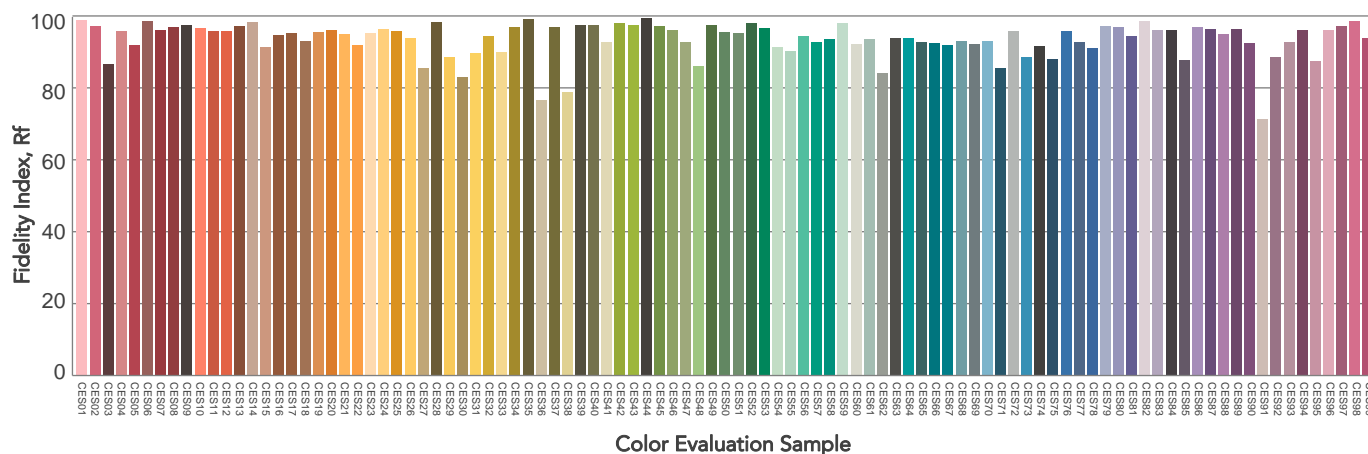
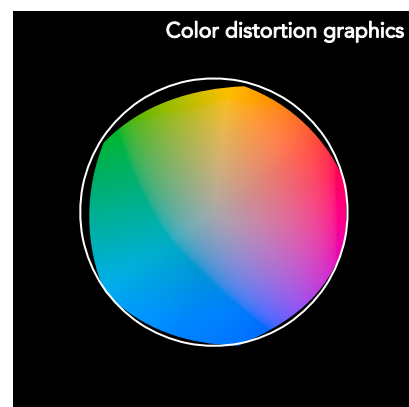
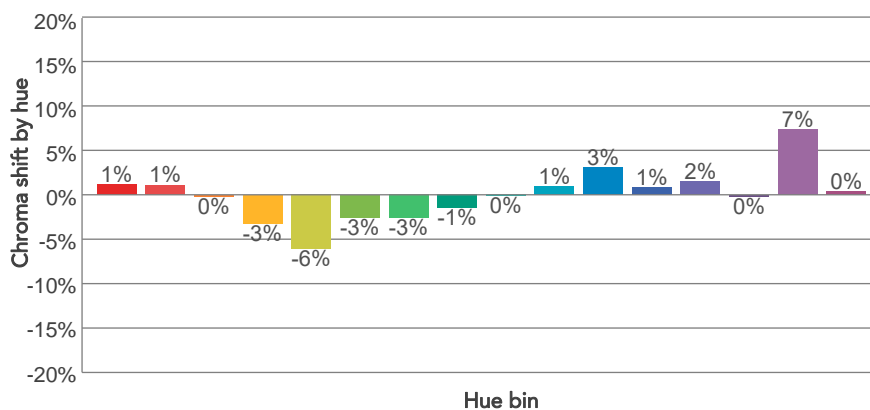
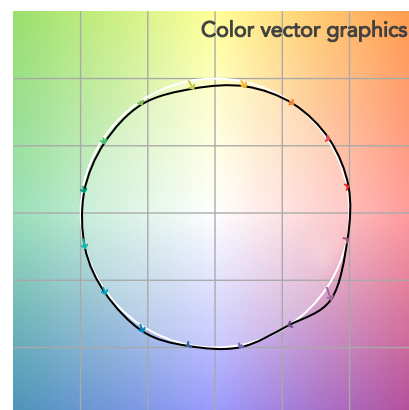
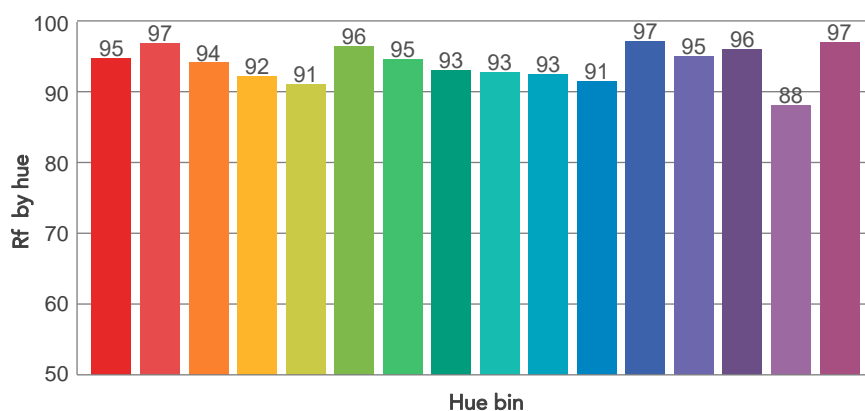
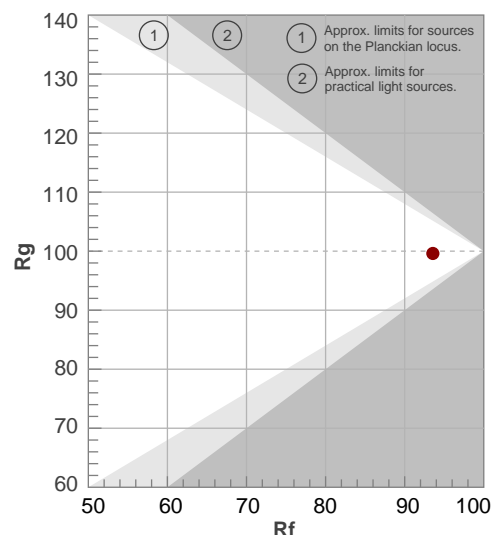
Rf 93,6

Fidelity index Rf

Rg 99,6

Gammut index

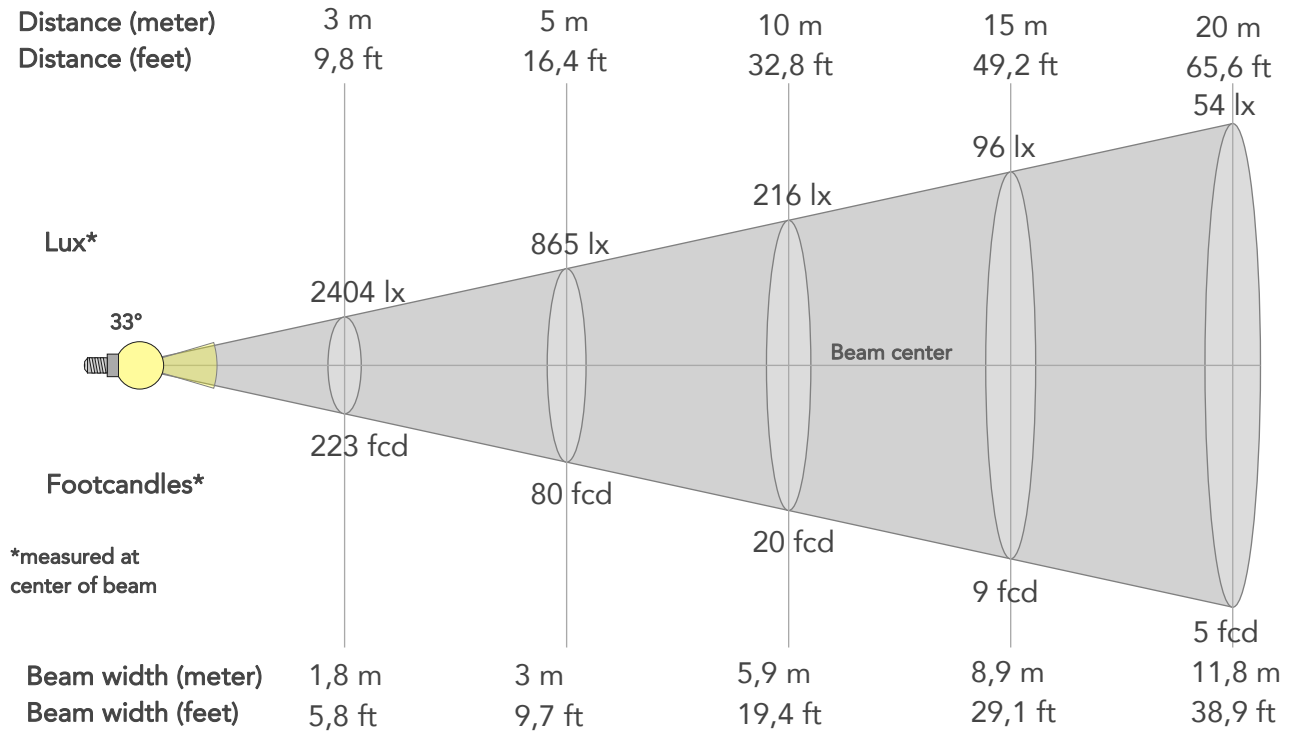
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	0%
2	97	1%	-1%
3	94	0%	-3%
4	92	-3%	-4%
5	91	-6%	-2%
6	96	-3%	0%
7	95	-3%	2%
8	93	-1%	4%
9	93	0%	7%
10	93	1%	5%
11	91	3%	4%
12	97	1%	-1%
13	95	2%	-1%
14	96	0%	-1%
15	88	7%	-5%
16	97	0%	0%



BEAM DETAILS



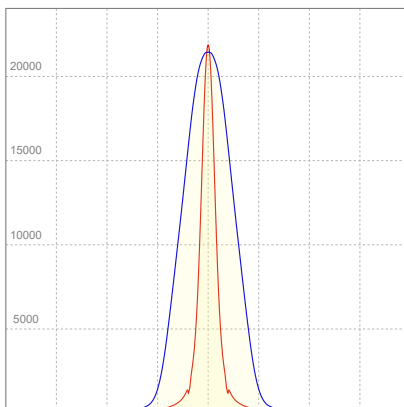
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33°	57,6°	80,5°	97,0%	92,1%



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	21634lx	5409lx	2404lx	1352lx	865lx	385lx	216lx	96lx	54lx	35lx	24lx	14lx	9lx
Footcand.	2010fcd	502fcd	223fcd	126fcd	80fcd	36fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,4m	5,9m	8,9m	11,8m	14,8m	17,8m	23,7m	29,6m
Beam wid.	2ft	3,9ft	5,8ft	7,8ft	9,7ft	14,6ft	19,4ft	29,1ft	38,9ft	48,6ft	58,3ft	77,7ft	97,1ft

LINEAR DISTRIBUTION DIAGRAM

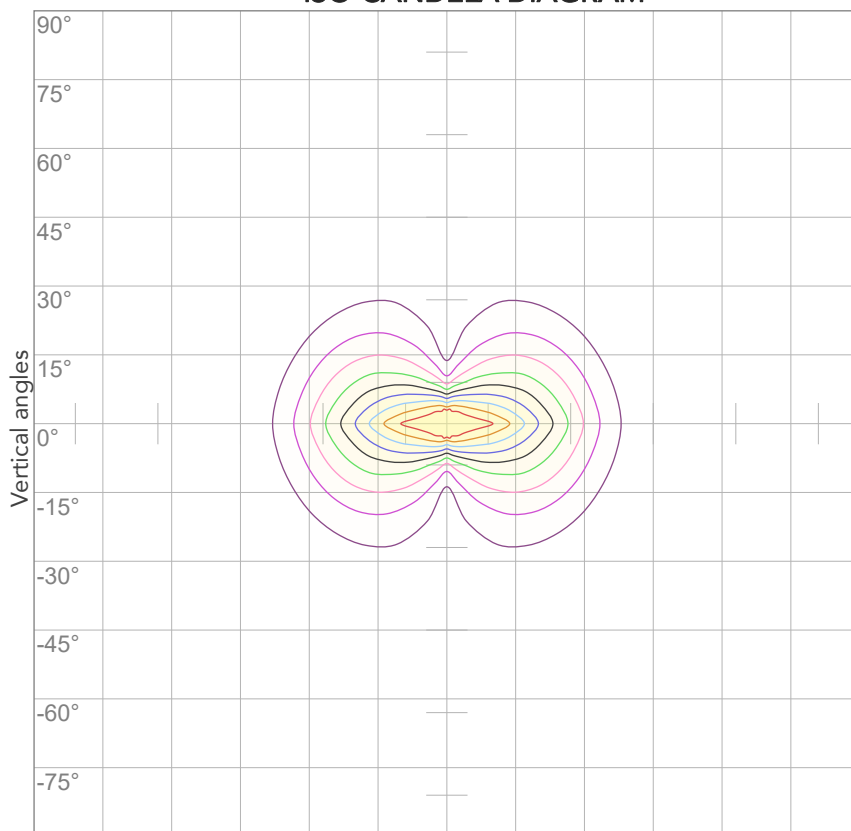


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,556A	122,6W	0,97	82lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



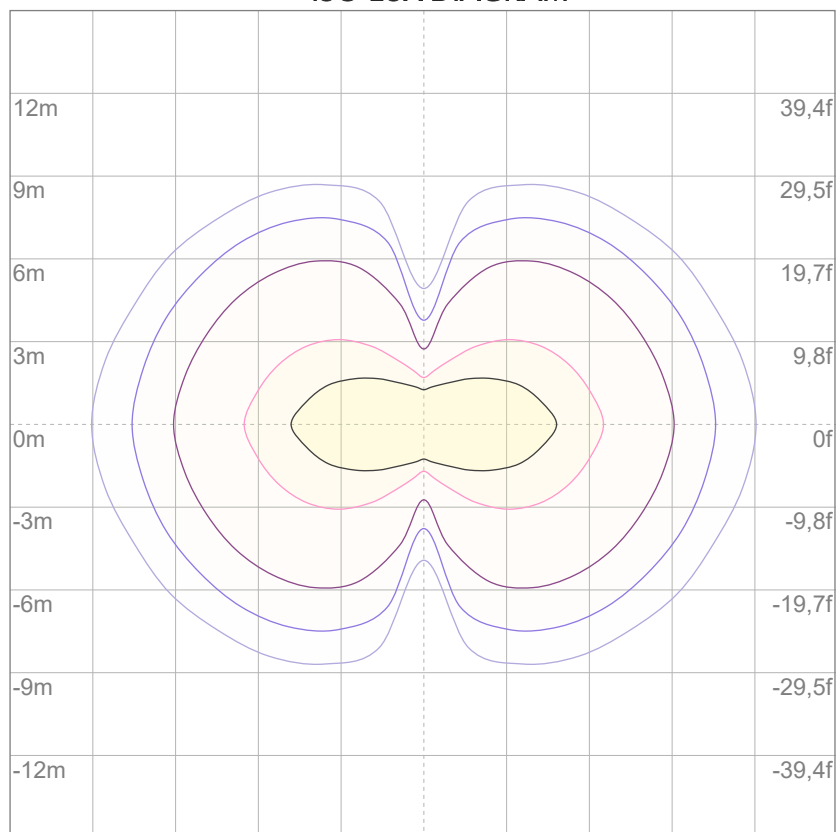
10%	2163 cd
20%	4327 cd
30%	6490 cd
40%	8654 cd
50%	10817 cd
60%	12981 cd
70%	15144 cd
80%	17307 cd

Conditions:

Number of c-planes: 4

Candela at center: 21634 cd

ISO LUX DIAGRAM



3%	6,49 lx
5%	10,8 lx
10%	21,6 lx
30%	64,9 lx
50%	108 lx

Conditions:

Number of c-planes: 4

Lux at center: 216 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

7291 lm

Peak candela output:

10646 cd

Light quality:

CRI: 94,5

Color temperature:

5603 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

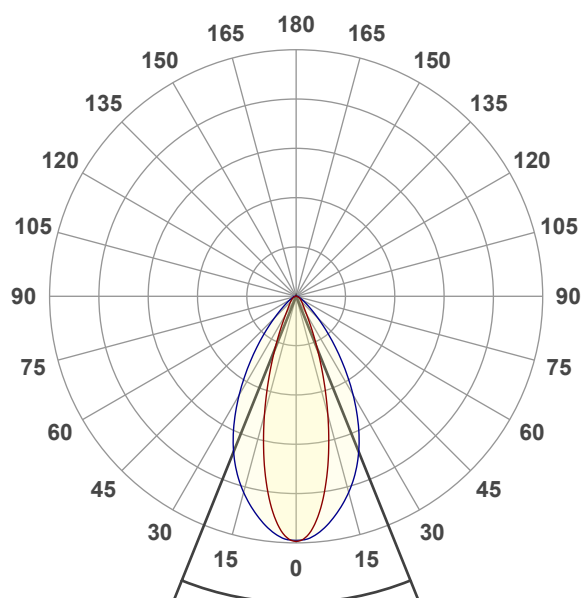
5600K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 17:15:02

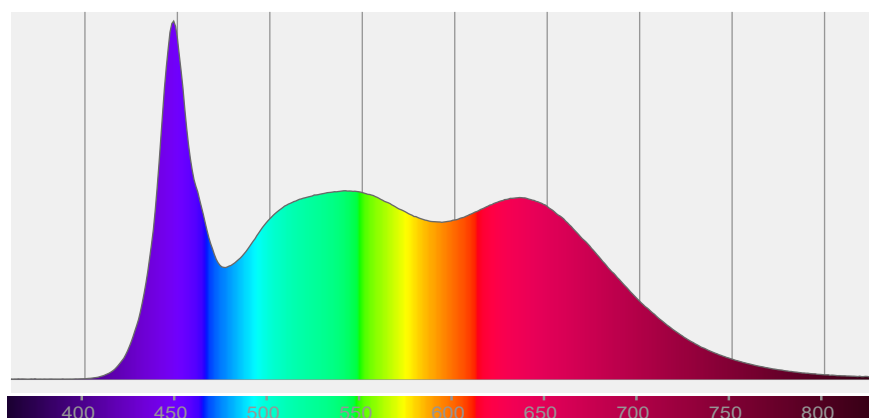


Beam angle 50%: 43,8°

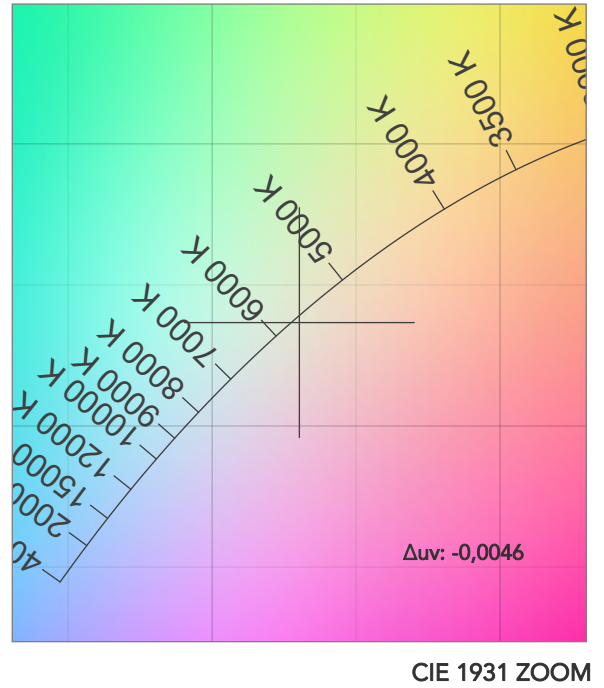
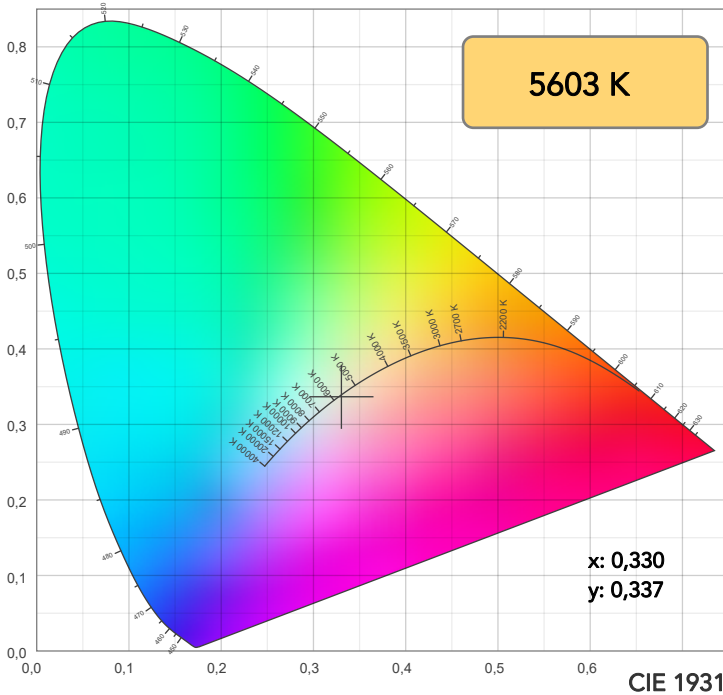
Field angle 10%: 75,8°

Cut off angle 2.5%: 113,6°

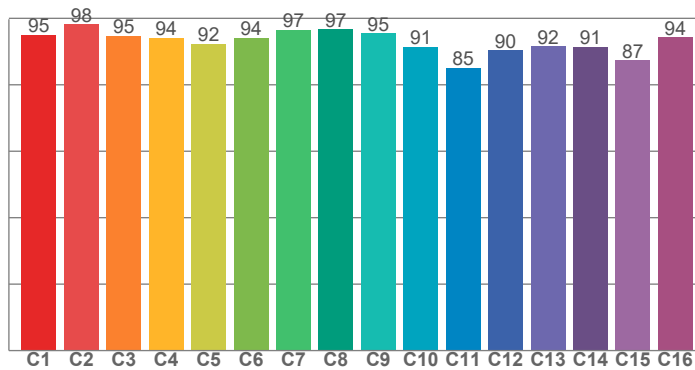
Spectra



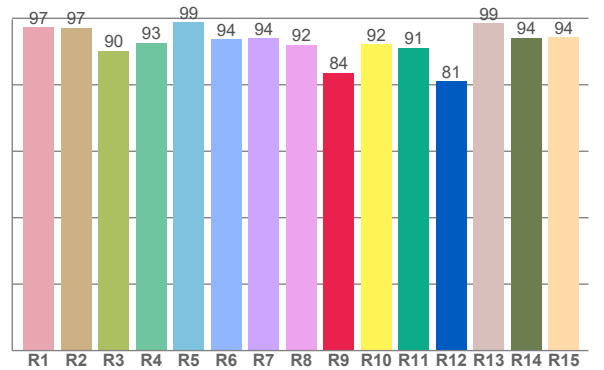
COLOR DETAILS



TM30: 93,0



CRI: 94,5 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,3	97,2	90,2	92,7	98,7	93,7	94,0	92,1	83,7	92,2	91,1	81,1	98,6	94,2	94,4

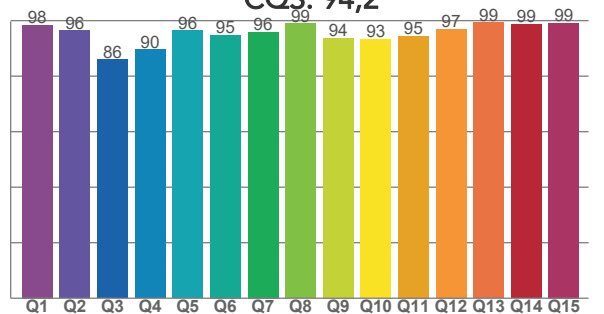
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	98,2	94,7	94,2	92,2	94,2	96,6	96,7	95,5	91,5	85,1	90,3	91,5	91,3	87,4	94,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,4	96,5	86,0	89,6	96,5	94,8	95,9	98,9	93,7	93,3	94,5	97,0	99,2	98,7	99,1

CQS: 94,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5603 K	94,5	83,7	93,0	104,3	94,2	98	0,330	0,337	-0,0046

TM30 DETAILS

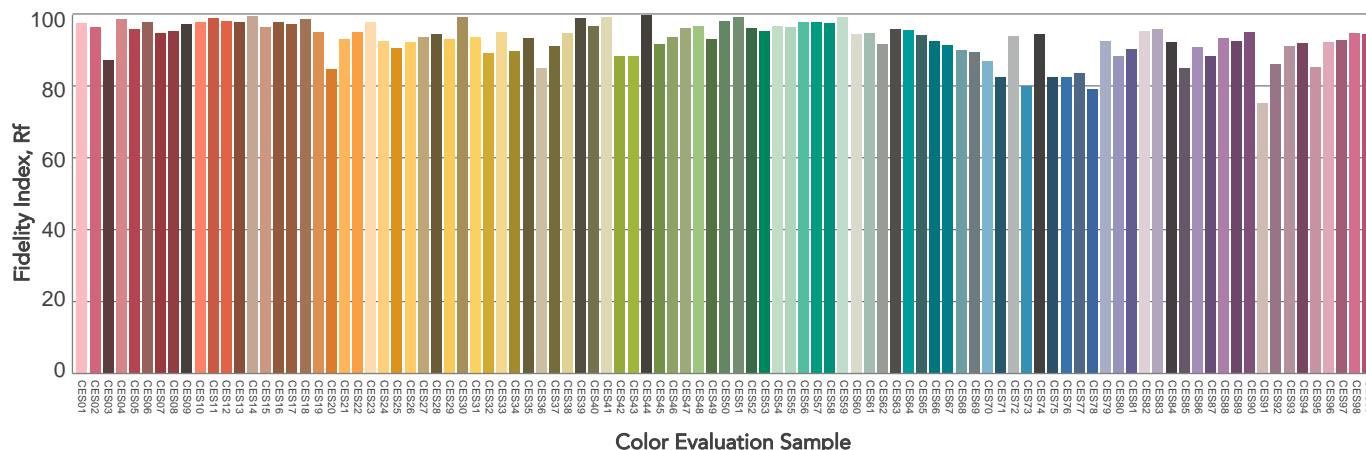
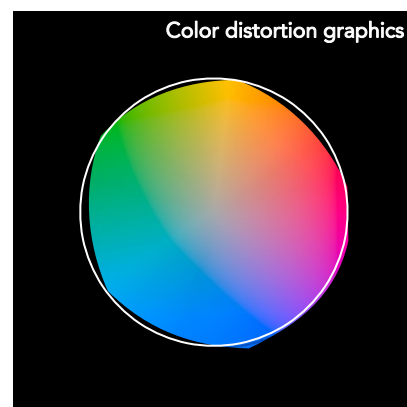
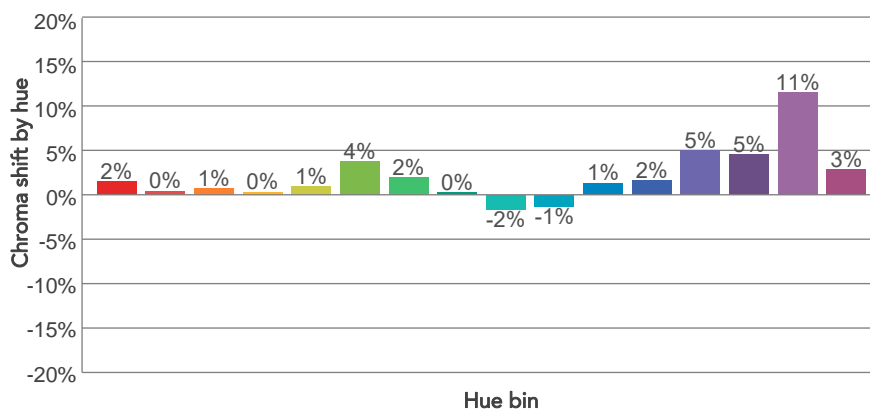
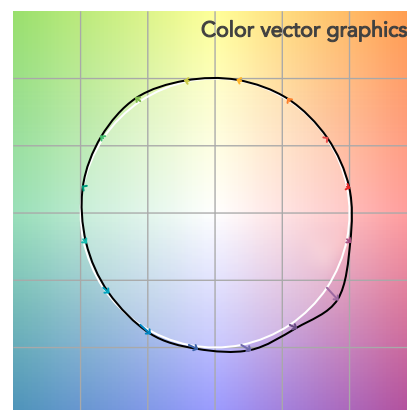
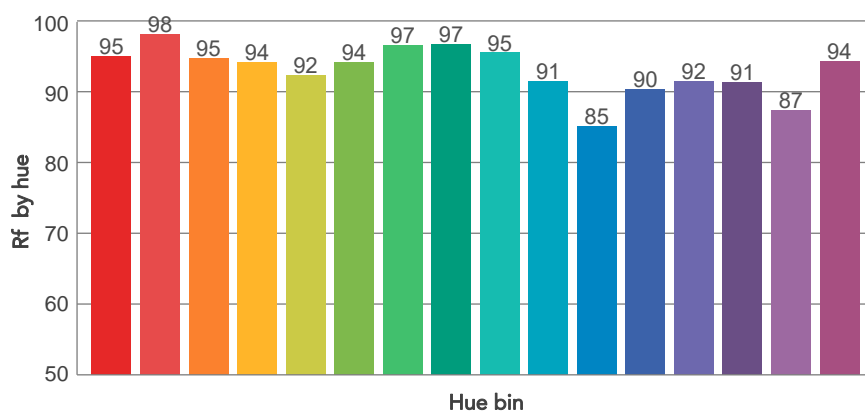
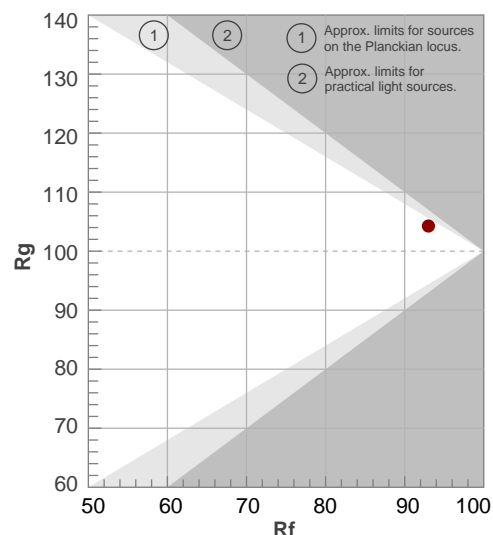
Rf 93,0

Fidelity index Rf

Rg 104,3

Gammut index

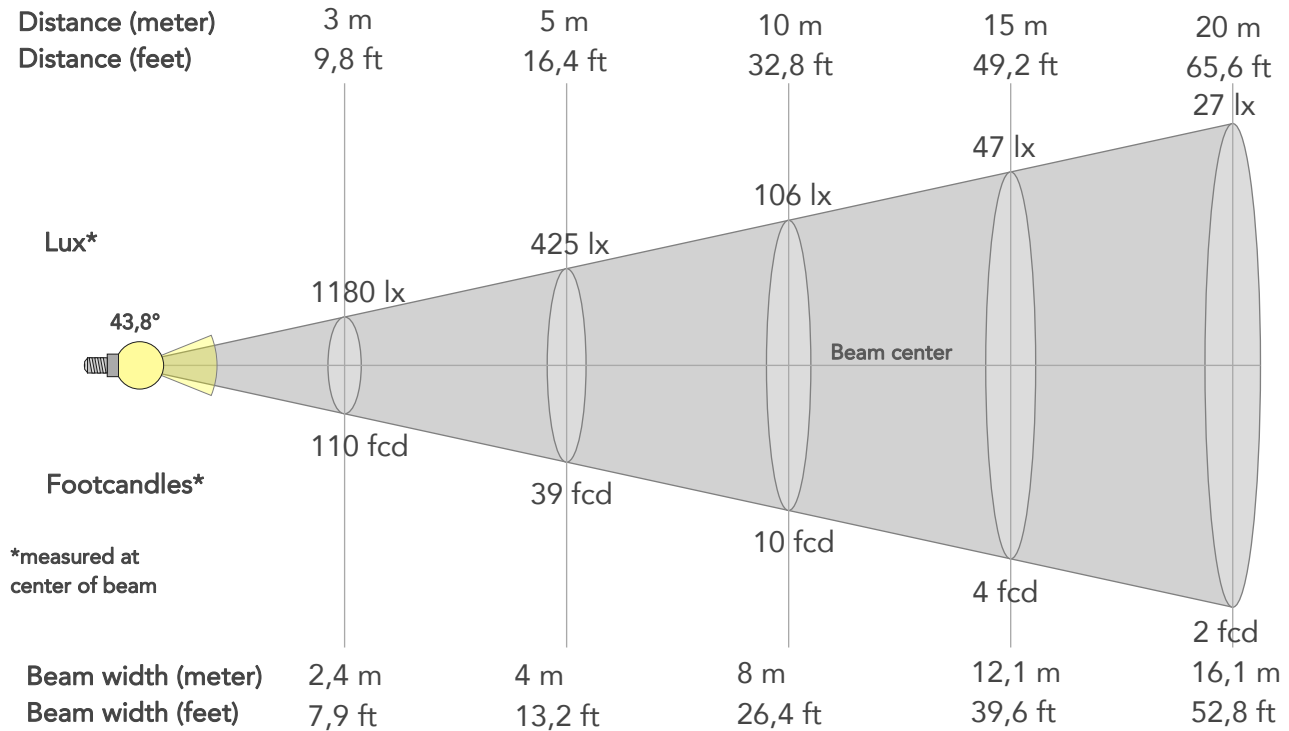
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	0%
8	97	0%	0%
9	95	-2%	3%
10	91	-1%	5%
11	85	1%	9%
12	90	2%	7%
13	92	5%	6%
14	91	5%	3%
15	87	11%	-3%
16	94	3%	-1%



BEAM DETAILS



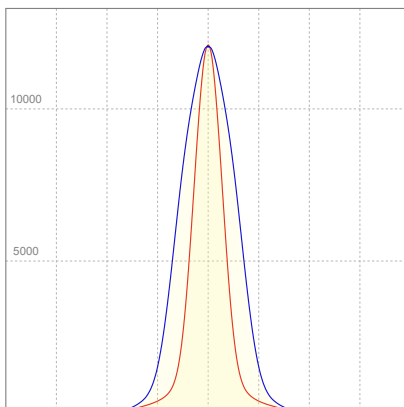
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,8°	113,6°	96,1%	87,9%



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	10623lx	2656lx	1180lx	664lx	425lx	189lx	106lx	47lx	27lx	17lx	12lx	7lx	4lx
Footcand.	987fcd	247fcd	110fcd	62fcd	39fcd	18fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,2m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,4ft	39,6ft	52,8ft	66ft	79,2ft	105,6ft	132ft

LINEAR DISTRIBUTION DIAGRAM

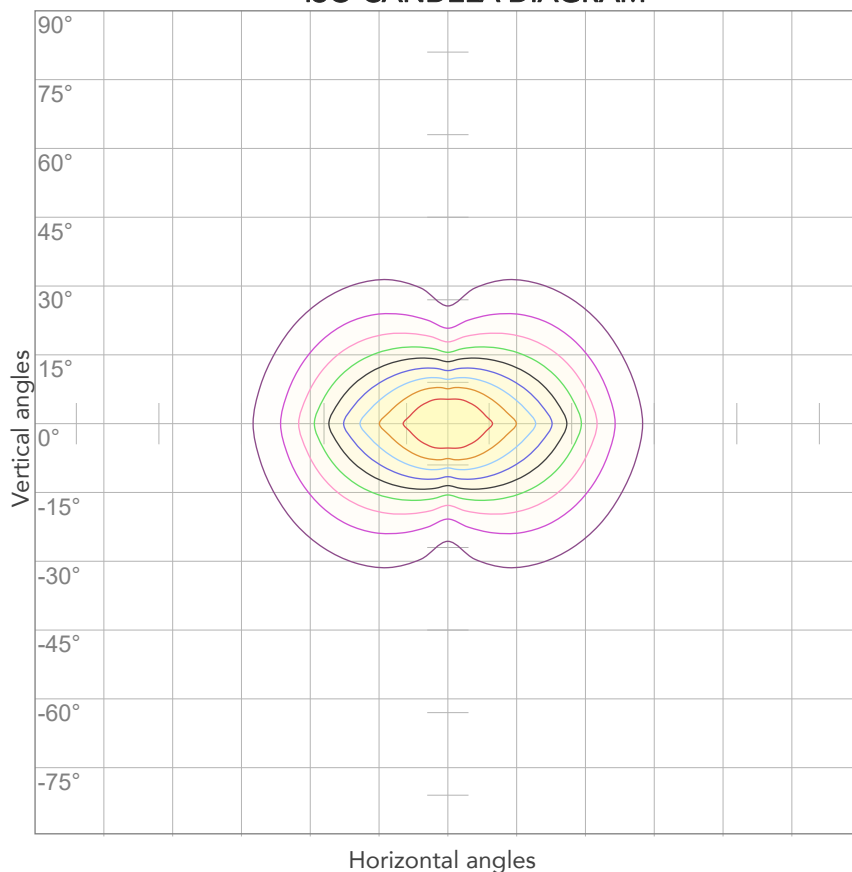


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,568A	124,8W	0,98	58lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



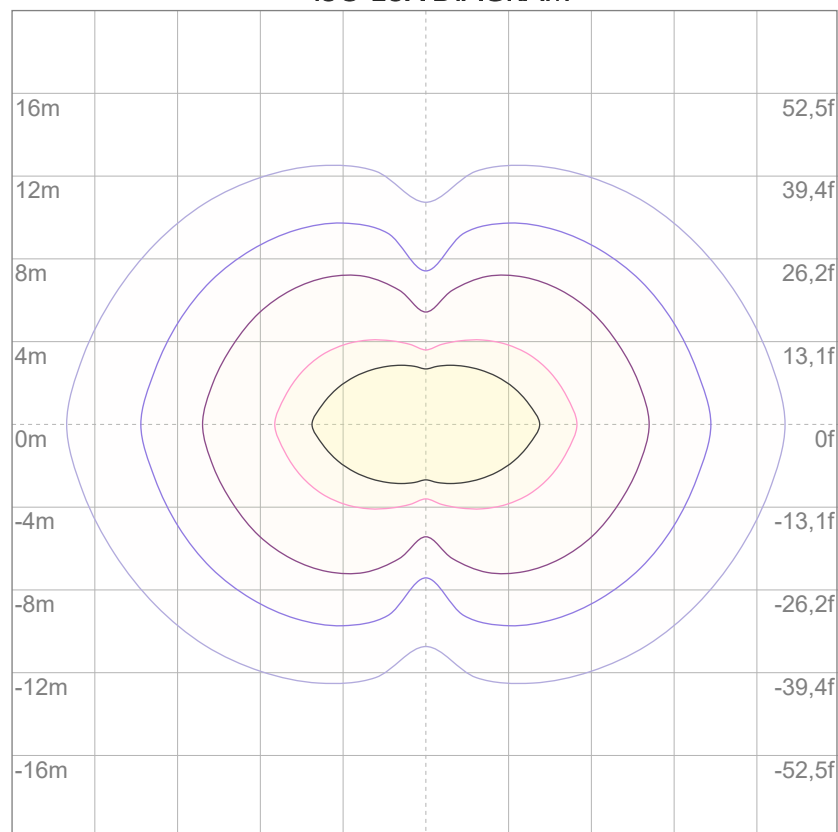
10%	1062 cd
20%	2125 cd
30%	3187 cd
40%	4249 cd
50%	5312 cd
60%	6374 cd
70%	7436 cd
80%	8499 cd

Conditions:

Number of c-planes: 4

Candela at center: 10623 cd

ISO LUX DIAGRAM



3%	3,19 lx
5%	5,31 lx
10%	10,6 lx
30%	31,9 lx
50%	53,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 106 lx

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



Total lumen output:

8470 lm

Peak candela output:

181243 cd

Light quality:

CRI: 96,2

Color temperature:

6584 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10°

Target:

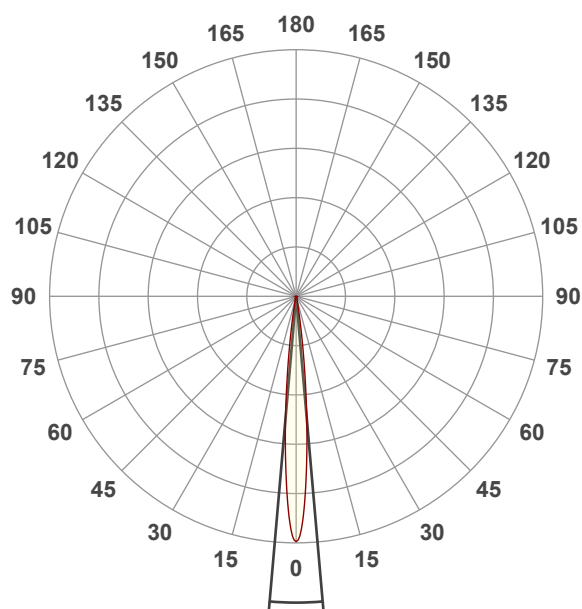
6500K

Operator:

Salvatore Giglio

Date and time:

10/05/2024 17:36:52

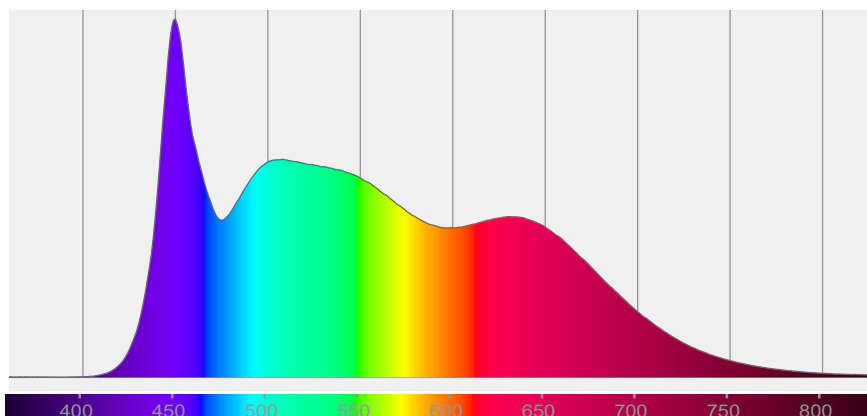


Beam angle 50%: 9,9°

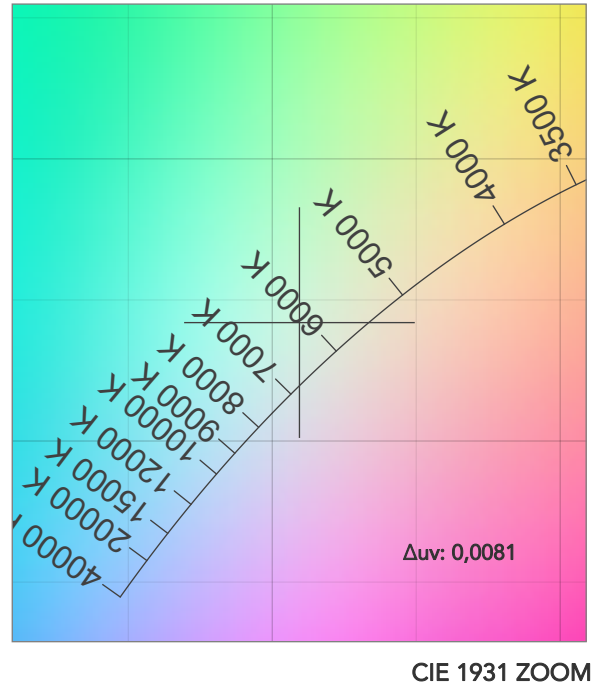
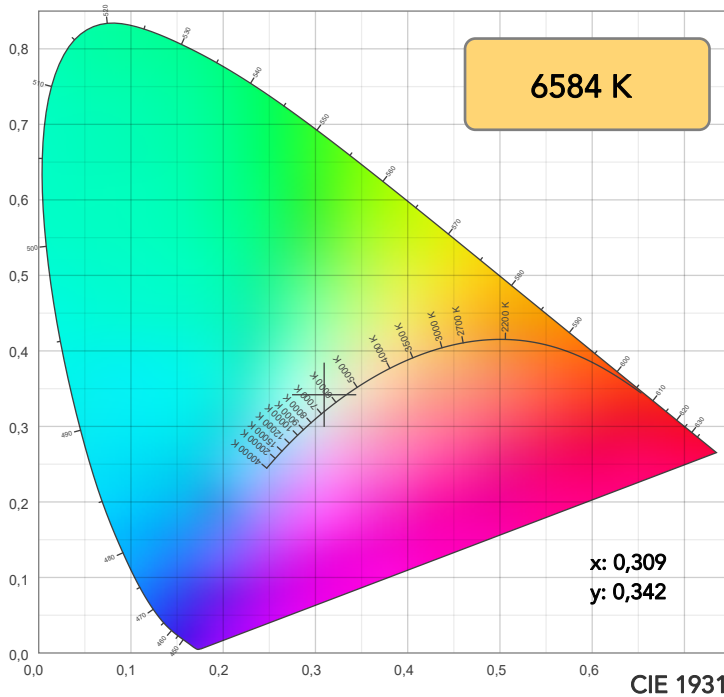
Field angle 10%: 18,1°

Cut off angle 2.5%: 24,2°

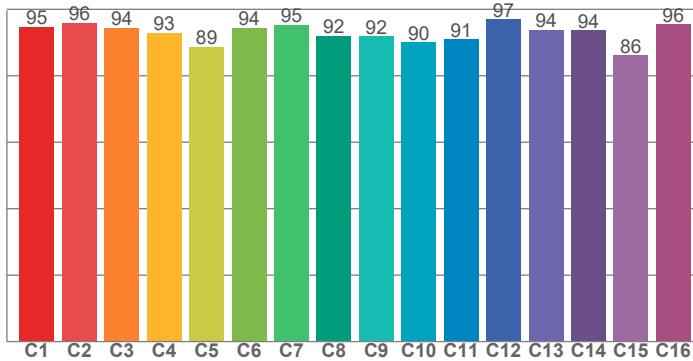
Spectra



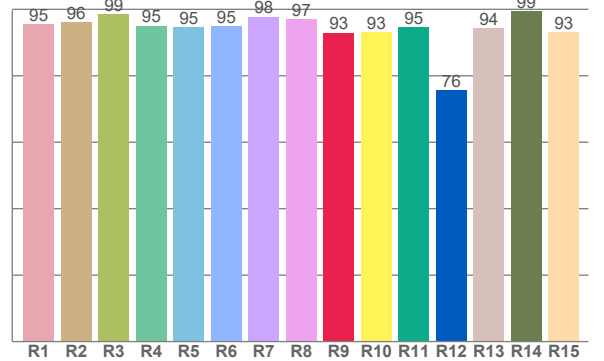
COLOR DETAILS



TM30: 92,6



CRI: 96,2 (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
95,4	96,1	98,6	95,0	94,6	95,0	97,8	97,0	92,9	93,2	94,6	75,7	94,4	99,3	93,1

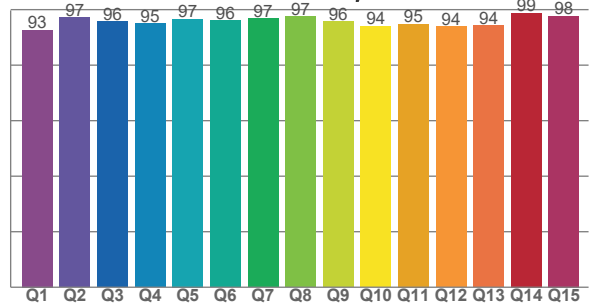
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	95,9	94,4	92,9	88,6	94,4	95,4	92,0	91,9	90,1	90,9	97,0	93,9	93,7	86,2	95,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,6	97,2	95,6	95,0	96,6	96,1	96,8	97,4	95,6	94,0	94,7	93,9	94,3	98,7	97,7

CQS: 95,5



COLOR PARAMETERS

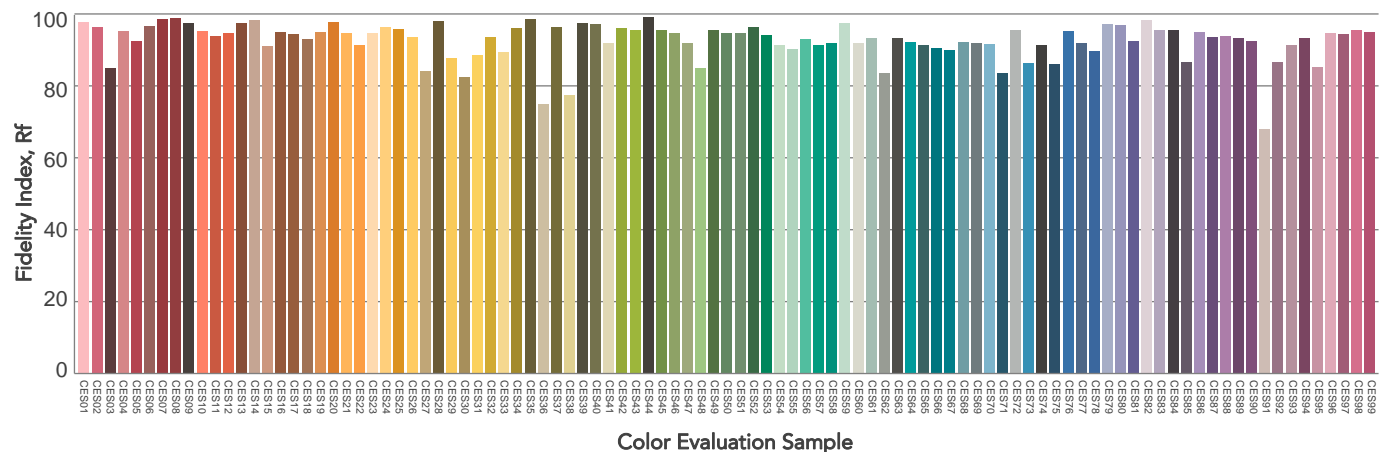
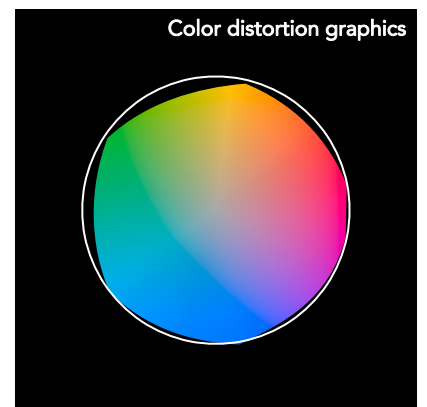
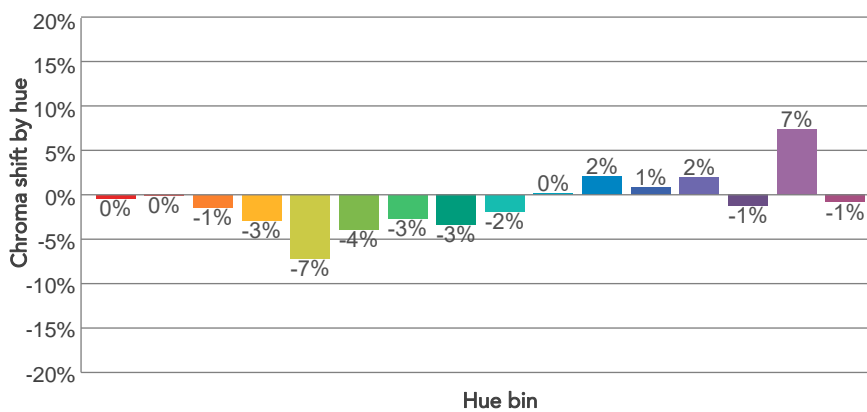
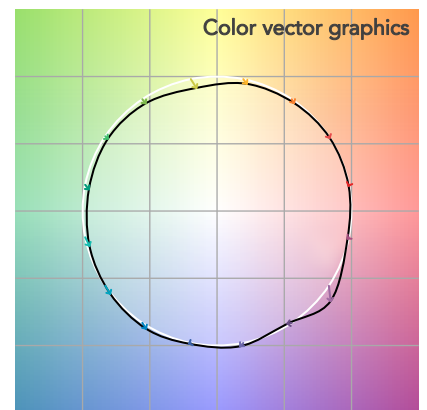
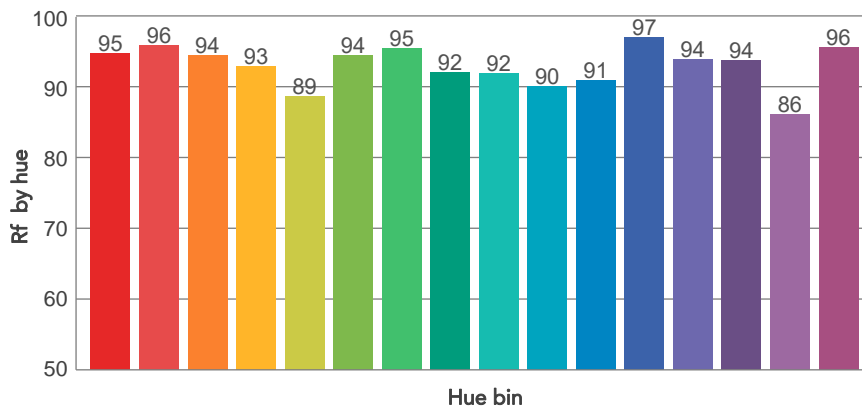
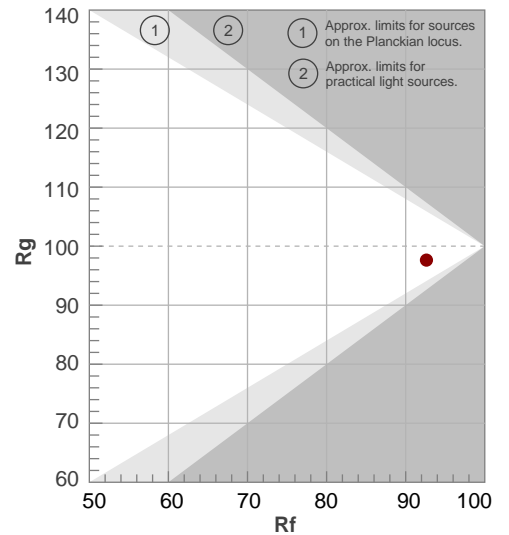
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6584 K	96,2	92,9	92,6	97,6	95,5	99	0,309	0,342	0,0081

TM30 DETAILS

Rf 92,6
Fidelity index Rf

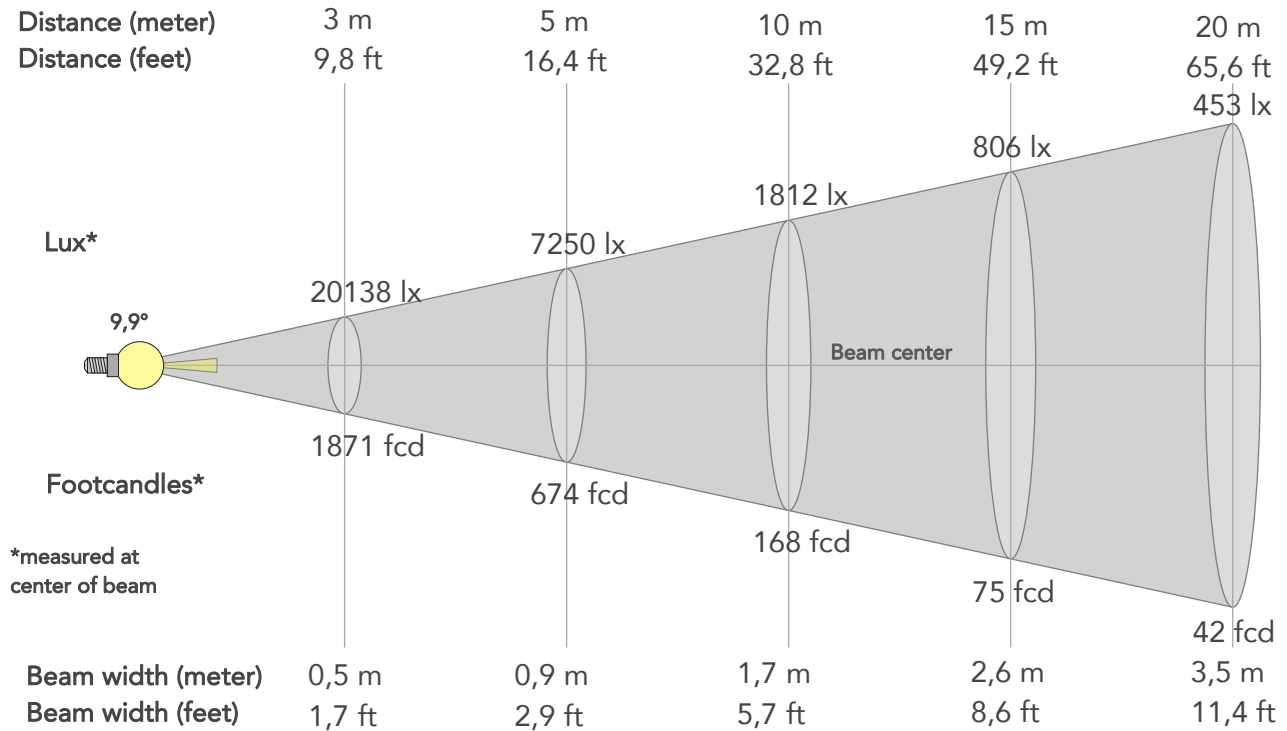
Rg 97,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	95	0%	-1%
2	96	0%	-1%
3	94	-1%	-3%
4	93	-3%	-3%
5	89	-7%	-3%
6	94	-4%	0%
7	95	-3%	0%
8	92	-3%	3%
9	92	-2%	7%
10	90	0%	7%
11	91	2%	5%
12	97	1%	-1%
13	94	2%	-3%
14	94	-1%	-3%
15	86	7%	-9%
16	96	-1%	-1%



BEAM DETAILS

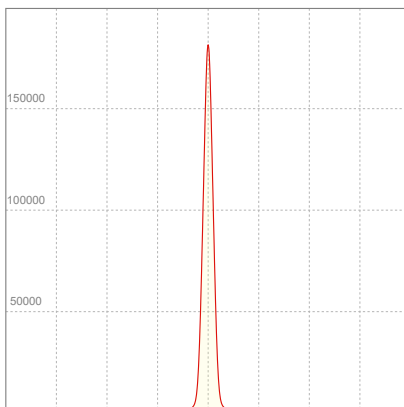
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
9,9°	18,1°	24,2°	94,2%	90,5%



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	181243lx	45311lx	20138lx	11328lx	7250lx	3222lx	1812lx	806lx	453lx	290lx	201lx	113lx	72lx
Footcand.	16838fcd	4210fcd	1871fcd	1052fcd	674fcd	299fcd	168fcd	75fcd	42fcd	27fcd	19fcd	11fcd	7fcd
Beam wid.	0,2m	0,3m	0,5m	0,7m	0,9m	1,3m	1,7m	2,6m	3,5m	4,3m	5,2m	7m	8,7m
Beam wid.	0,6ft	1,1ft	1,7ft	2,3ft	2,9ft	4,3ft	5,7ft	8,6ft	11,4ft	14,3ft	17,1ft	22,8ft	28,5ft

LINEAR DISTRIBUTION DIAGRAM

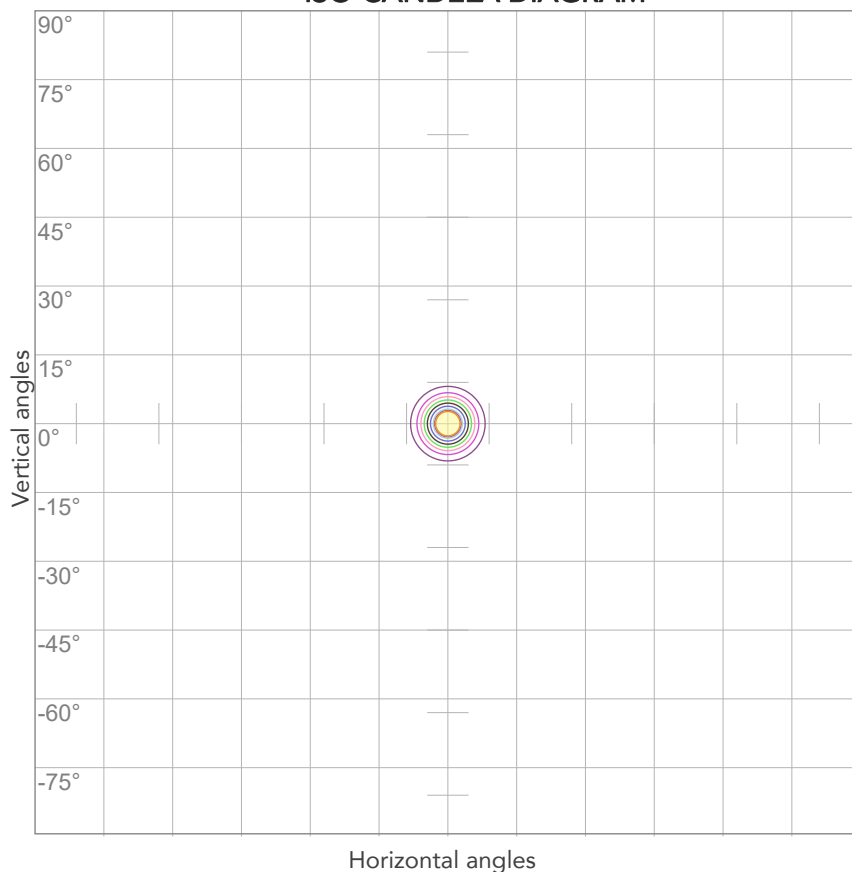


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,558A	122,7W	0,97	69lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



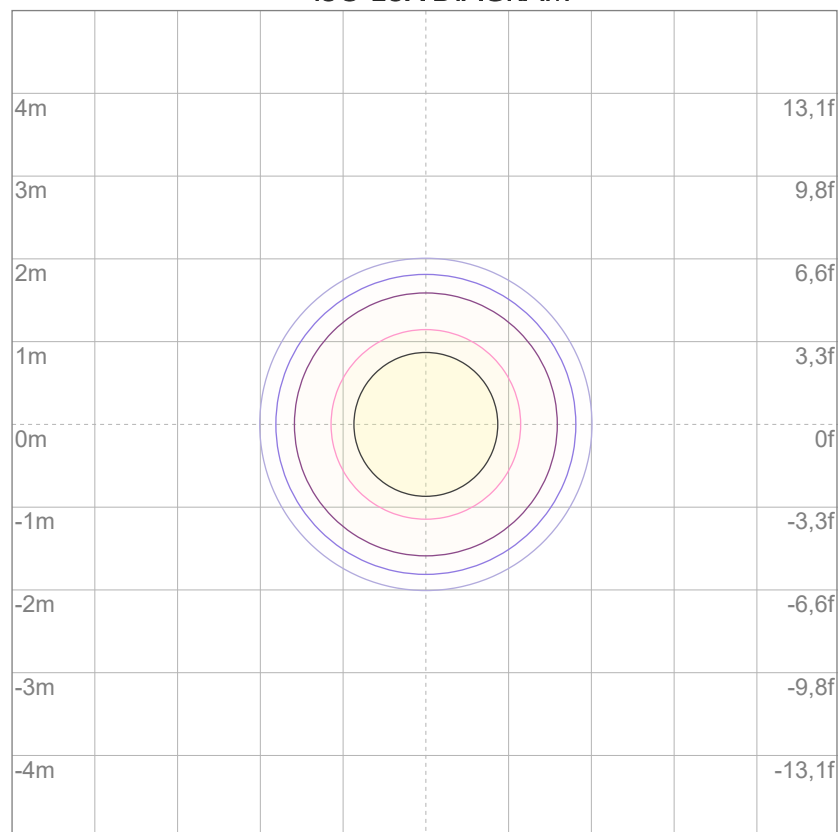
10%	18124 cd
20%	36249 cd
30%	54373 cd
40%	72497 cd
50%	90622 cd
60%	108746 cd
70%	126870 cd
80%	144994 cd

Conditions:

Number of c-planes: 2

Candela at center: 181243 cd

ISO LUX DIAGRAM



3%	54,4 lx
5%	90,6 lx
10%	181 lx
30%	544 lx
50%	906 lx

Conditions:

Number of c-planes: 2

Lux at center: 1812 lx

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



Total lumen output:

7564 lm

Peak candela output:

31781 cd

Light quality:

CRI: 96,0

Color temperature:

6547 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 20° Filter

Target:

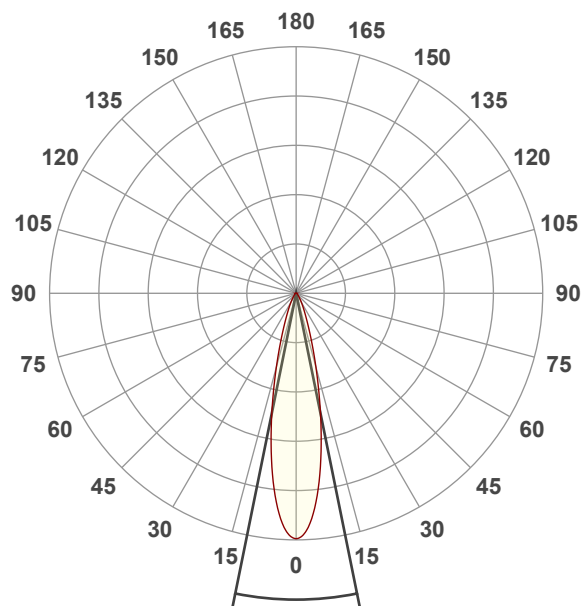
6500K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:26:42

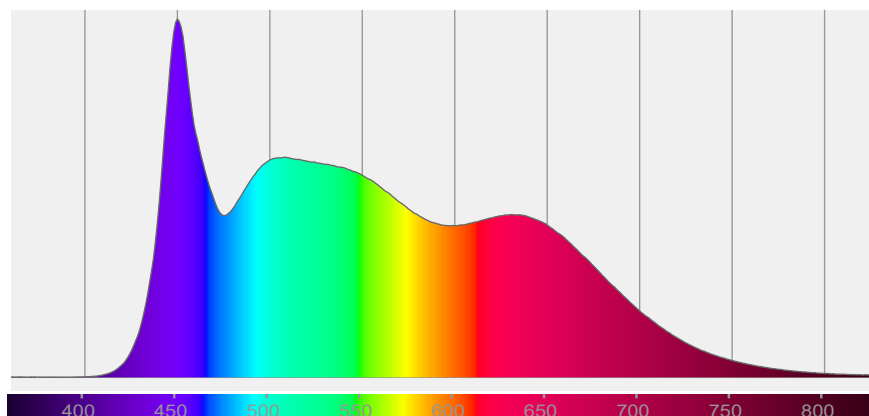


Beam angle 50%: 22,9°

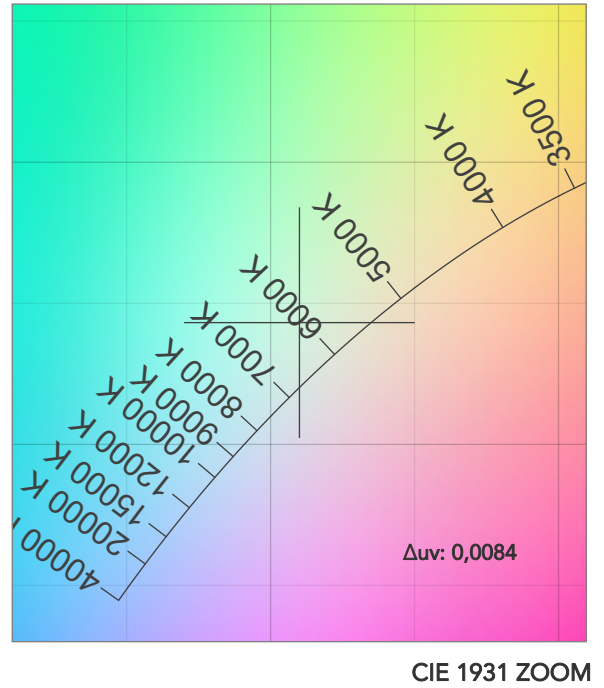
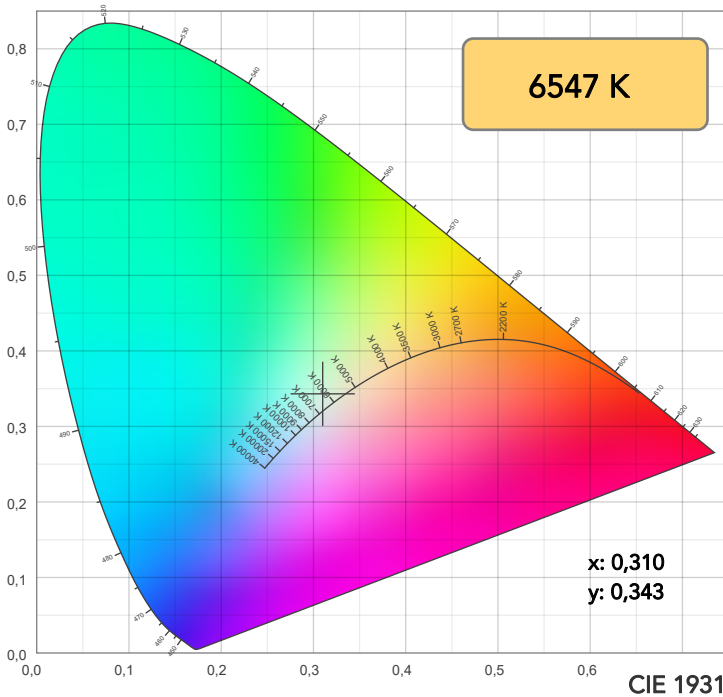
Field angle 10%: 45,7°

Cut off angle 2.5%: 70,4°

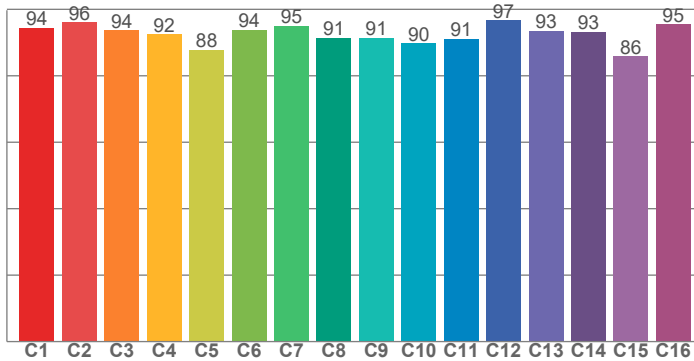
Spectra



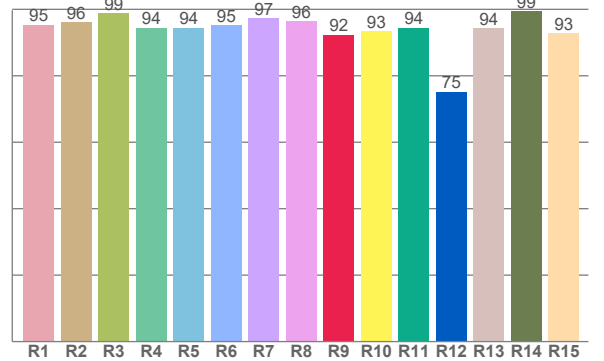
COLOR DETAILS



TM30: 92,2



CRI: 96,0 (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
95,3	96,1	98,9	94,5	94,4	95,1	97,3	96,5	92,3	93,3	94,4	75,2	94,3	99,3	92,8

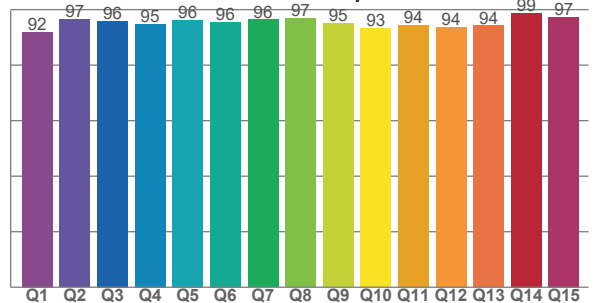
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,5	96,1	93,7	92,4	87,8	93,9	95,0	91,4	91,4	89,7	91,1	96,7	93,5	93,3	85,9	95,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,9	96,5	95,9	94,9	96,2	95,6	96,4	96,9	95,1	93,4	94,5	93,7	94,2	98,8	97,4

CQS: 95,1



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
6547 K	96,0	92,3	92,2	97,3	95,1	99	0,310	0,343	0,0084

TM30 DETAILS

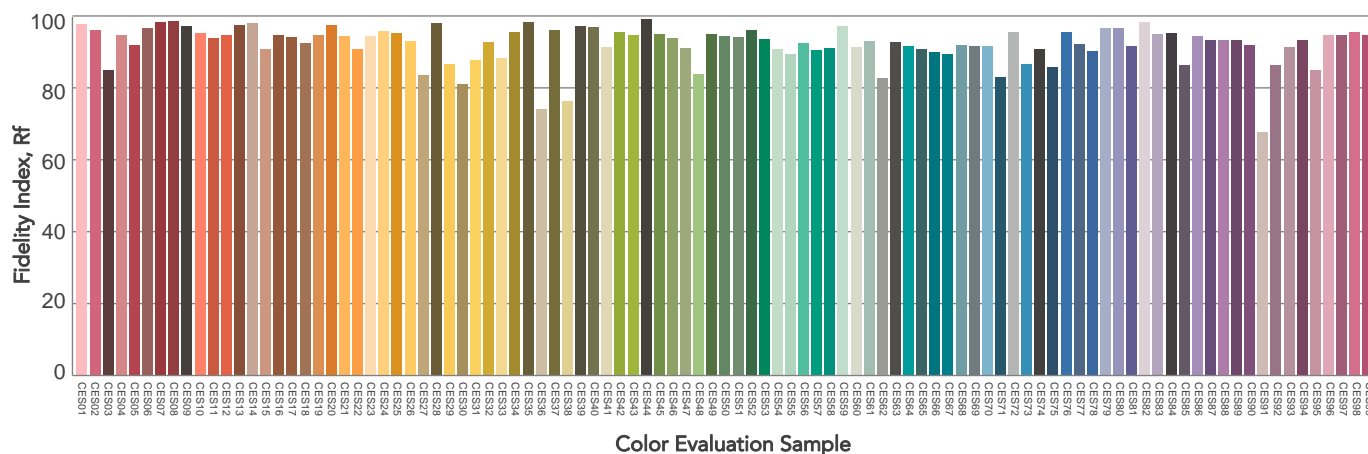
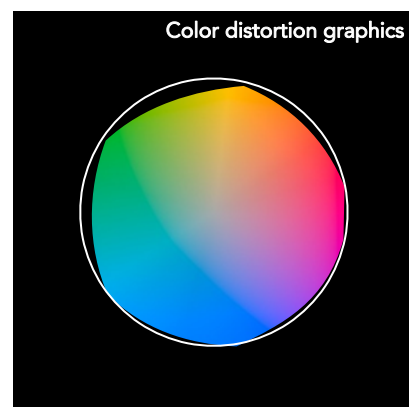
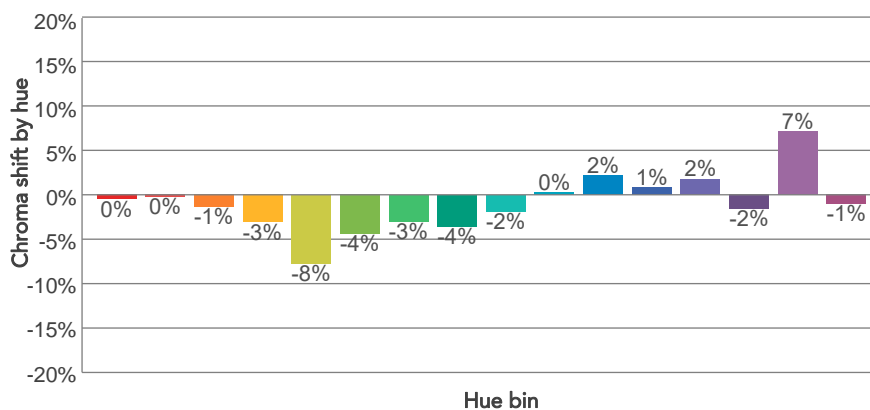
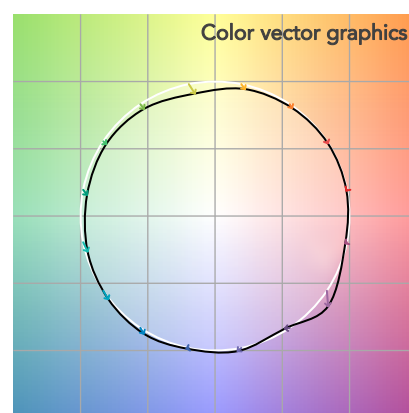
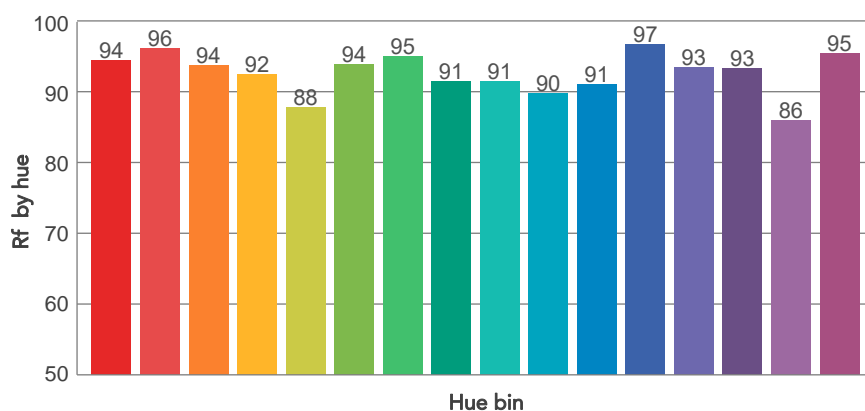
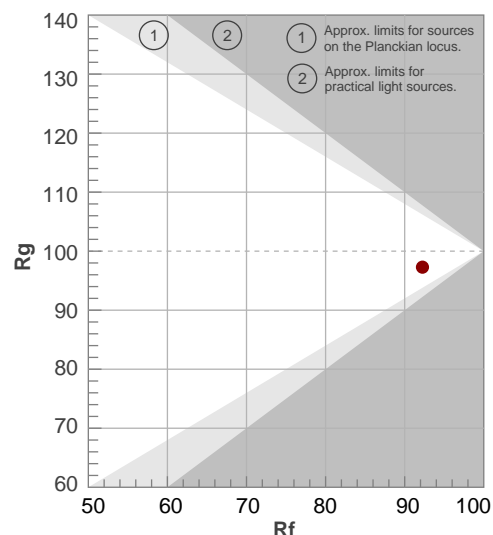
Rf 92,2

Fidelity index Rf

Rg 97,3

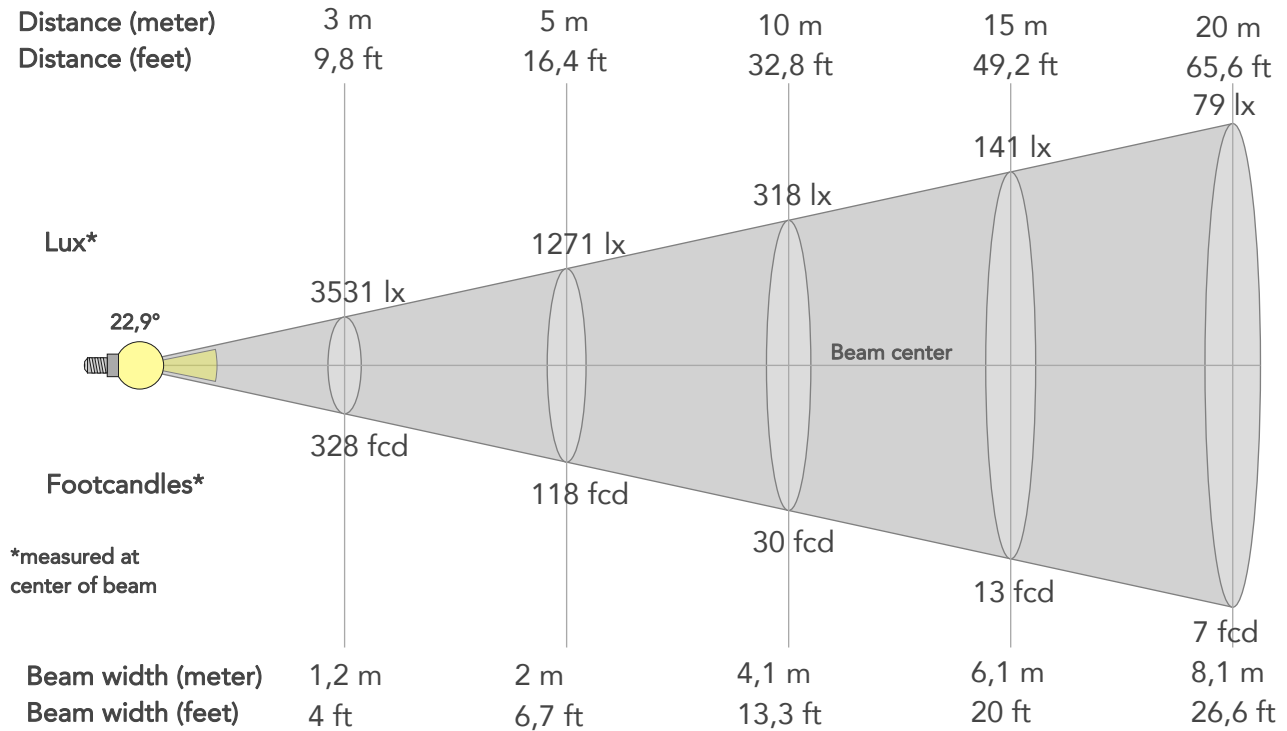
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	0%
2	96	0%	-2%
3	94	-1%	-3%
4	92	-3%	-3%
5	88	-8%	-3%
6	94	-4%	0%
7	95	-3%	0%
8	91	-4%	3%
9	91	-2%	7%
10	90	0%	7%
11	91	2%	4%
12	97	1%	-2%
13	93	2%	-3%
14	93	-2%	-3%
15	86	7%	-9%
16	95	-1%	-1%



BEAM DETAILS

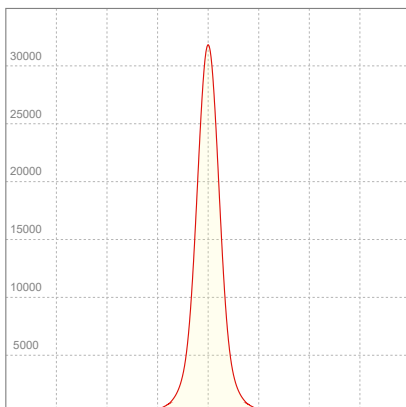
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22,9°	45,7°	70,4°	96,6%	92,4%



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	31781lx	7945lx	3531lx	1986lx	1271lx	565lx	318lx	141lx	79lx	51lx	35lx	20lx	13lx
Footcand.	2953fcd	738fcd	328fcd	185fcd	118fcd	52fcd	30fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,6m	2m	3m	4,1m	6,1m	8,1m	10,1m	12,2m	16,2m	20,3m
Beam wid.	1,3ft	2,7ft	4ft	5,3ft	6,7ft	10ft	13,3ft	20ft	26,6ft	33,3ft	39,9ft	53,2ft	66,5ft

LINEAR DISTRIBUTION DIAGRAM

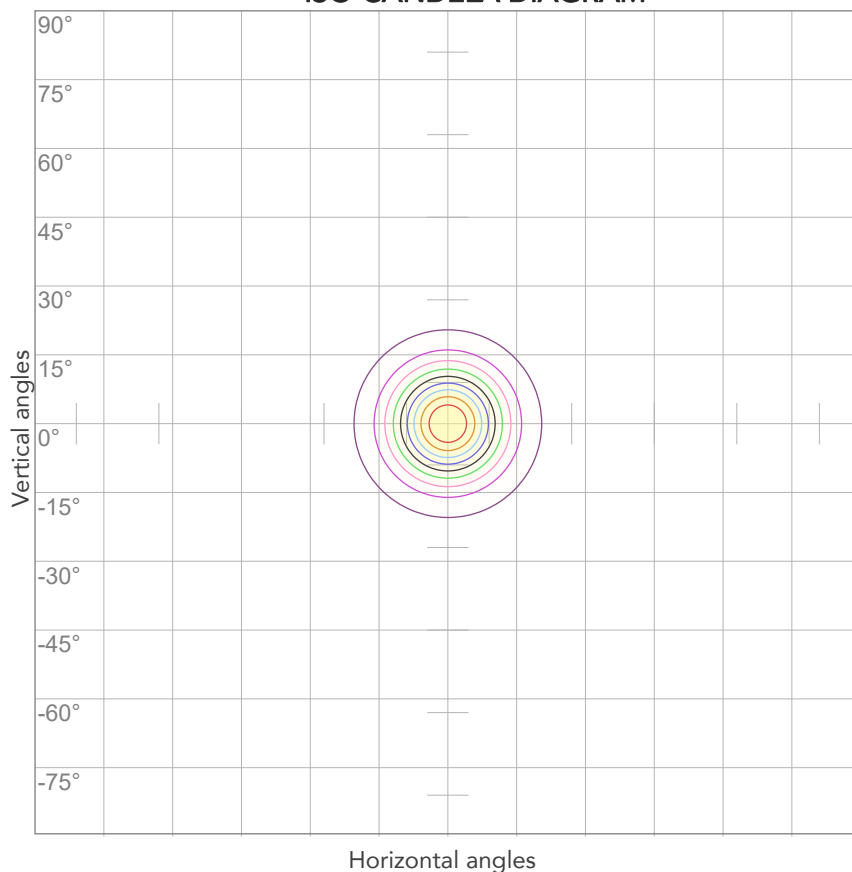


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
226V	0,568A	124,5W	0,97	61lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



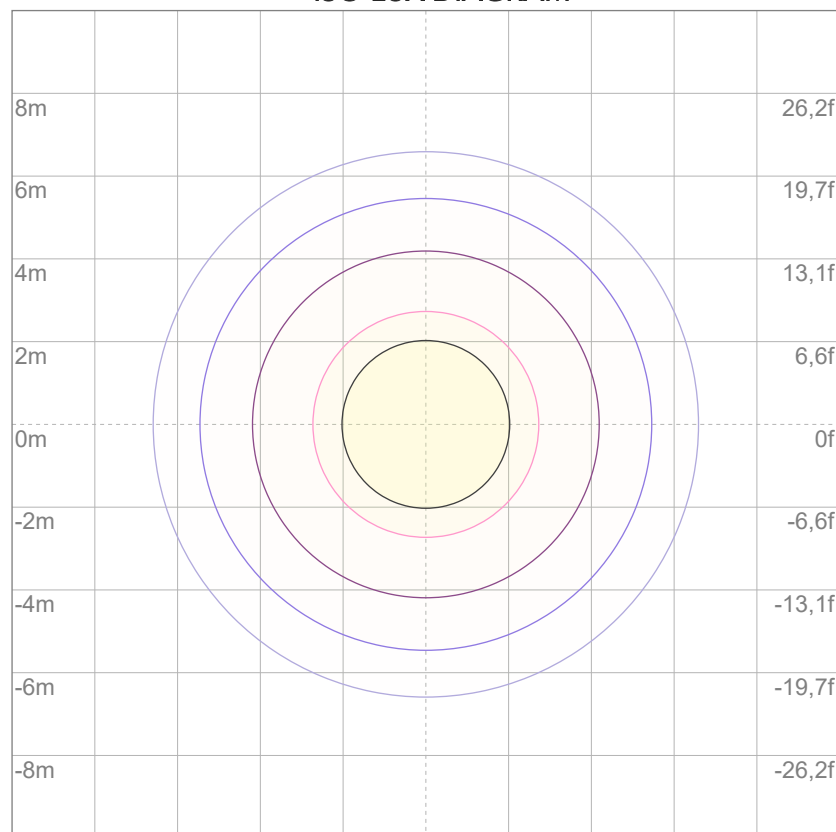
10%	3178 cd
20%	6356 cd
30%	9534 cd
40%	12713 cd
50%	15891 cd
60%	19069 cd
70%	22247 cd
80%	25425 cd

Conditions:

Number of c-planes: 2

Candela at center: 31781 cd

ISO LUX DIAGRAM



3%	9,53 lx
5%	15,9 lx
10%	31,8 lx
30%	95,3 lx
50%	159 lx

Conditions:

Number of c-planes: 2

Lux at center: 318 lx

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



Total lumen output:

7733 lm

Peak candela output:

9800 cd

Light quality:

CRI: 95,6

Color temperature:

6562 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 40° Filter

Target:

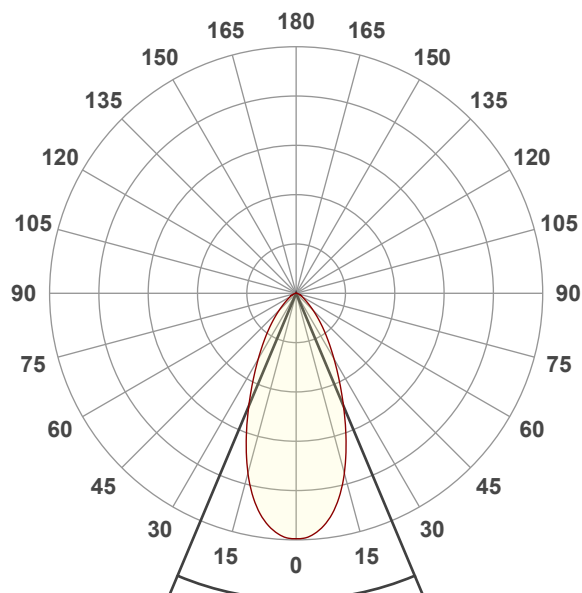
6500K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 16:39:51

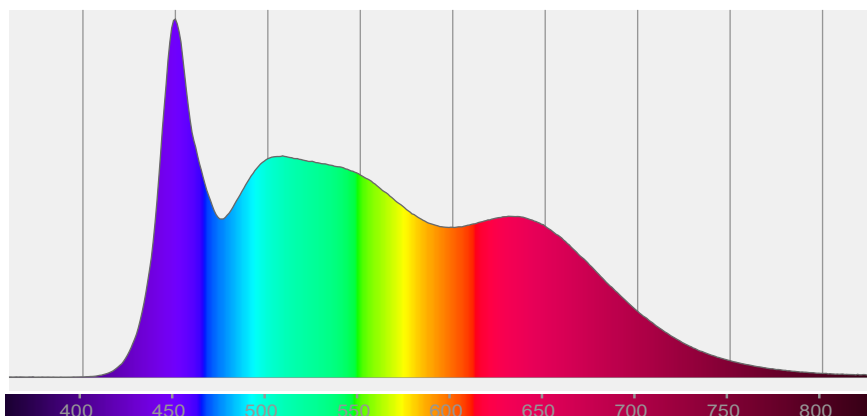


Beam angle 50%: 45,6°

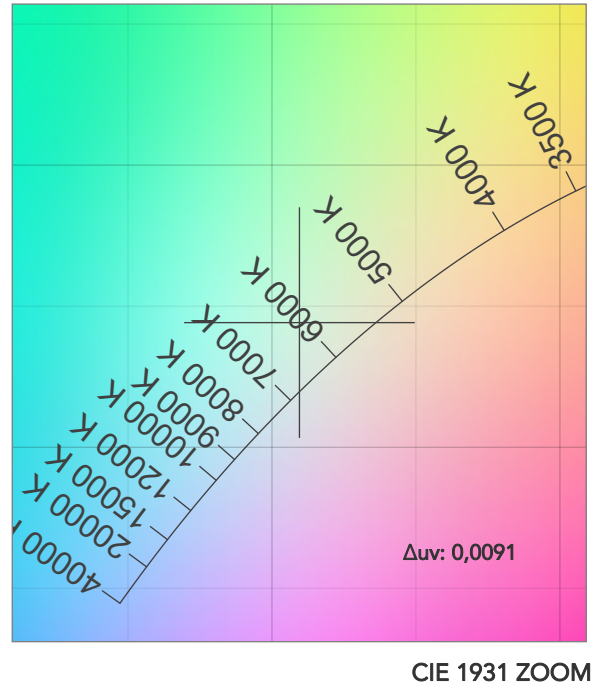
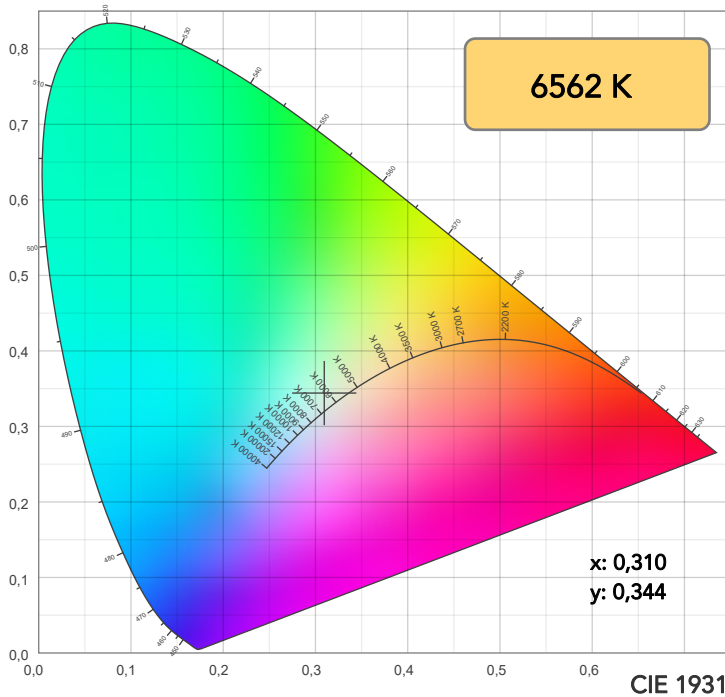
Field angle 10%: 89,6°

Cut off angle 2.5%: 124,5°

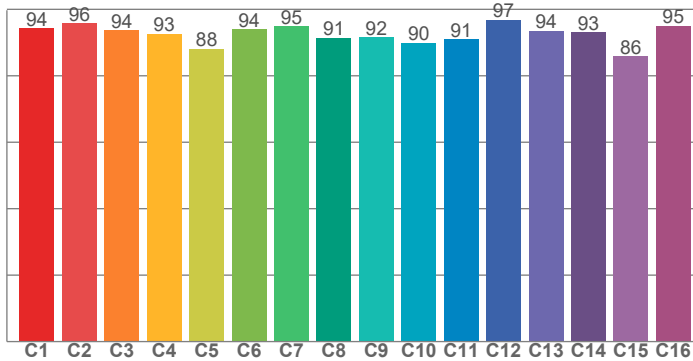
Spectra



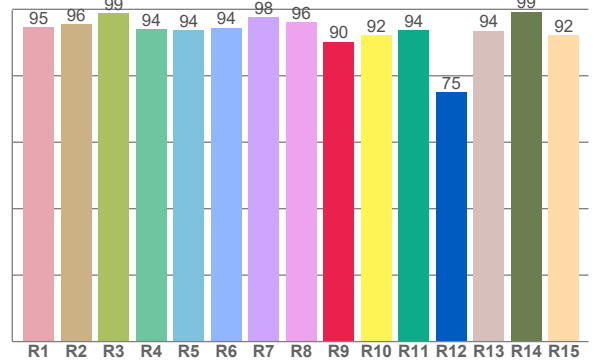
COLOR DETAILS



TM30: 92,3



CRI: 95,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,5	95,5	98,7	94,1	93,8	94,5	97,6	96,2	90,3	92,3	93,8	75,0	93,6	99,3	92,2

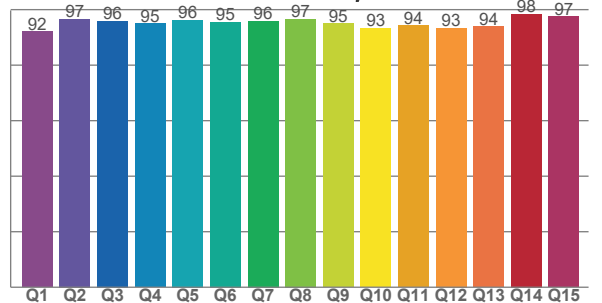
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,3	95,8	93,7	92,6	88,1	94,0	94,9	91,5	91,6	89,8	91,0	96,9	93,5	93,1	85,8	95,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,1	96,7	95,9	95,0	96,3	95,5	96,0	96,6	94,9	93,3	94,3	93,4	93,9	98,4	97,5

CQS: 95,0



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
6562 K	95,6	90,3	92,3	97,2	95,0	99	0,310	0,344	0,0091

TM30 DETAILS

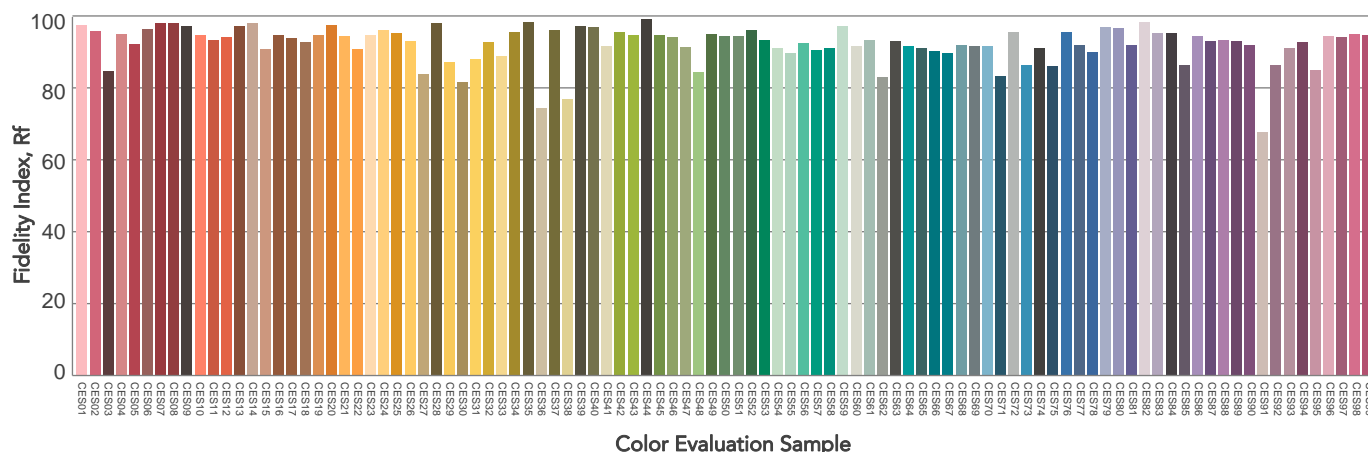
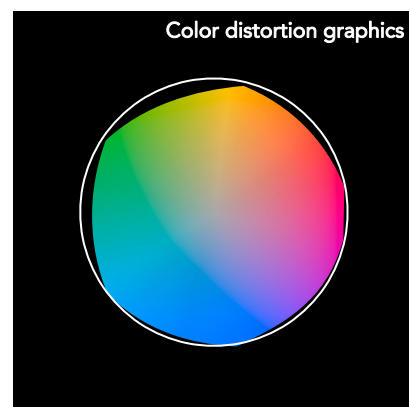
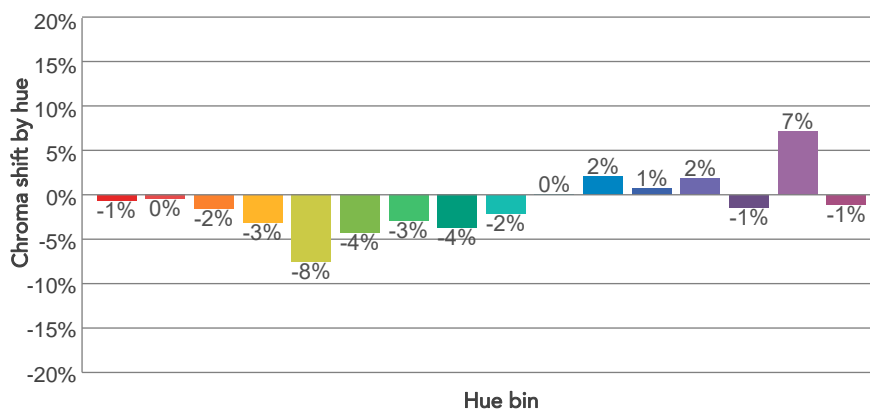
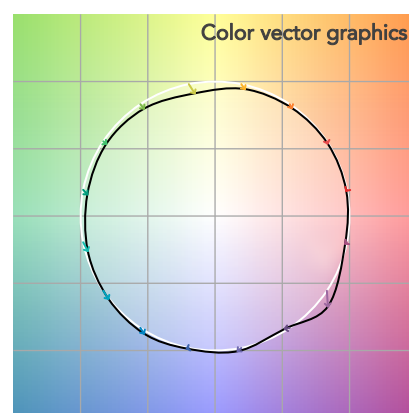
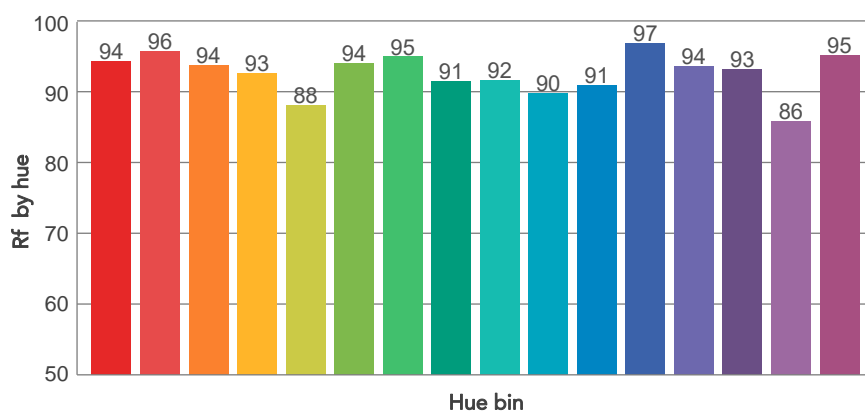
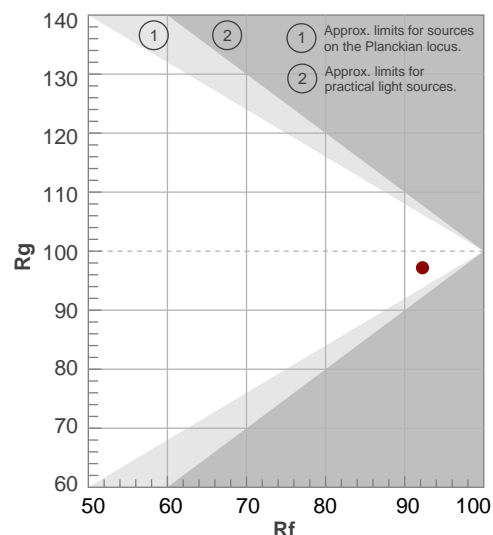
Rf 92,3

Fidelity index Rf

Rg 97,2

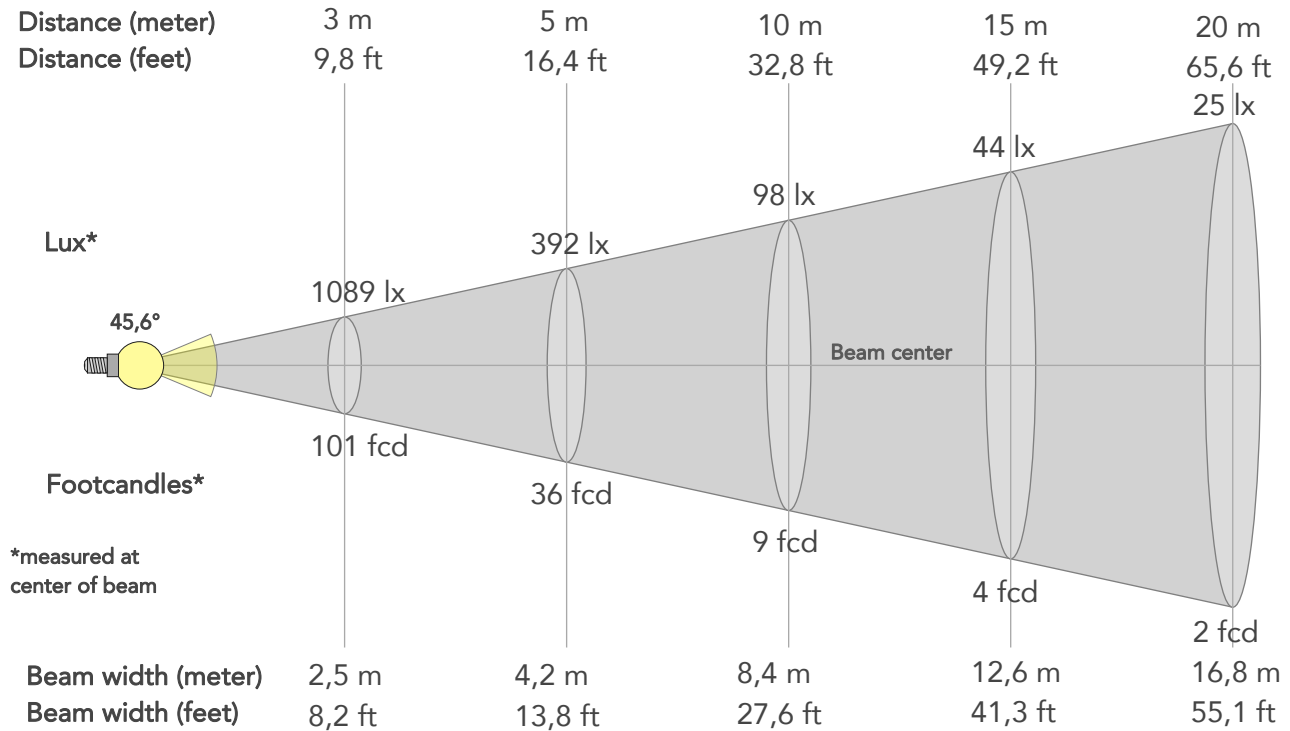
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-1%
2	96	0%	-2%
3	94	-2%	-3%
4	93	-3%	-3%
5	88	-8%	-3%
6	94	-4%	0%
7	95	-3%	0%
8	91	-4%	3%
9	92	-2%	7%
10	90	0%	7%
11	91	2%	5%
12	97	1%	-1%
13	94	2%	-3%
14	93	-1%	-3%
15	86	7%	-9%
16	95	-1%	-1%



BEAM DETAILS

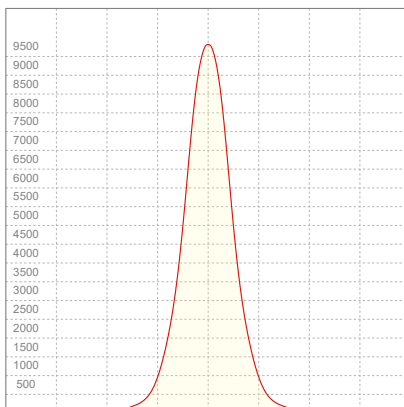
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	89,6°	124,5°	95,2%	86,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	9800lx	2450lx	1089lx	613lx	392lx	174lx	98lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	910fcd	228fcd	101fcd	57fcd	36fcd	16fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,2m	33,6m	42m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,8ft	20,7ft	27,6ft	41,3ft	55,1ft	68,9ft	82,7ft	110,2ft	137,8ft

LINEAR DISTRIBUTION DIAGRAM

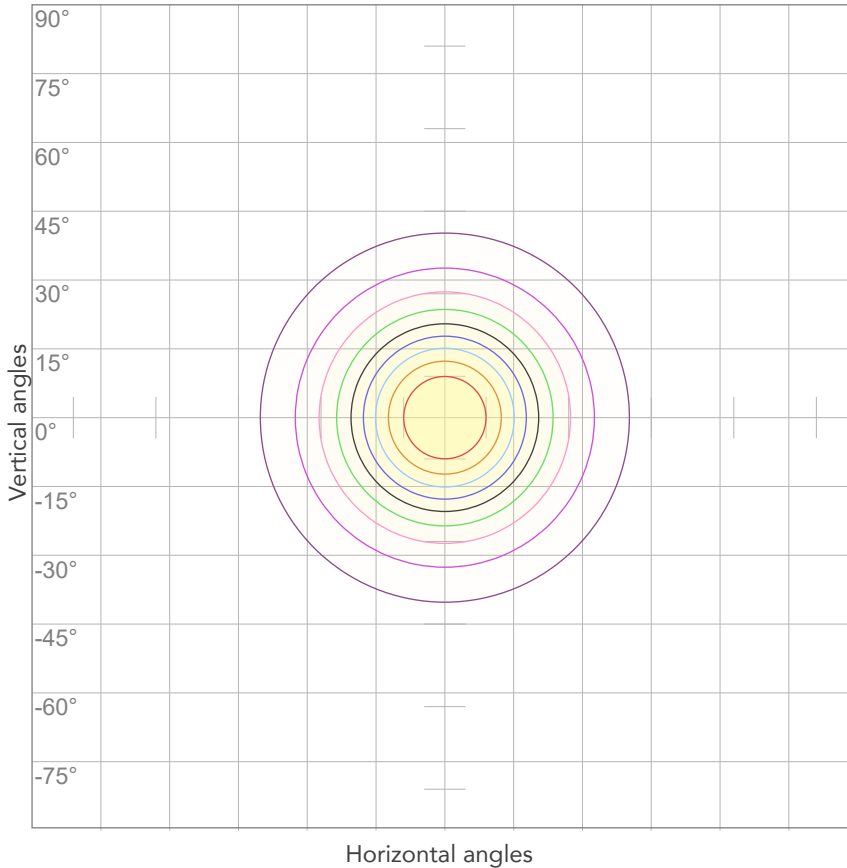


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,576A	125,6W	0,97	62lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



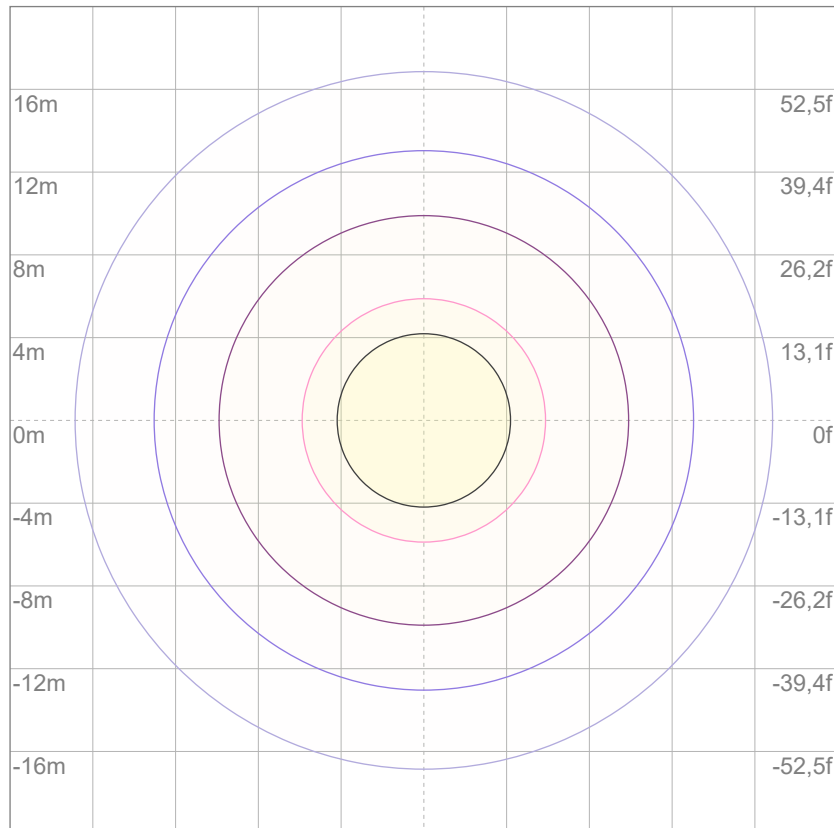
10%	980 cd
20%	1960 cd
30%	2940 cd
40%	3920 cd
50%	4900 cd
60%	5880 cd
70%	6860 cd
80%	7840 cd

Conditions:

Number of c-planes: 2

Candela at center: 9800 cd

ISO LUX DIAGRAM



3%	2,94 lx
5%	4,90 lx
10%	9,80 lx
30%	29,4 lx
50%	49,0 lx

Conditions:

Number of c-planes: 2

Lux at center: 98,0 lx

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



Total lumen output:

7255 lm

Peak candela output:

6728 cd

Light quality:

CRI: 96,3

Color temperature:

6591 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 60° Filter

Target:

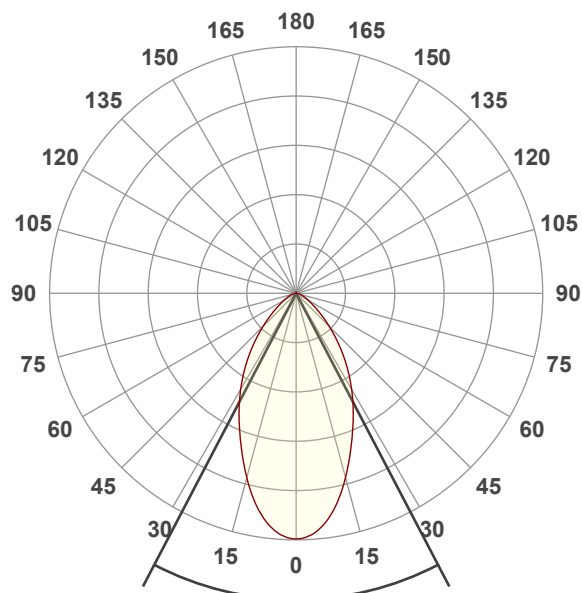
6500K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:20:24

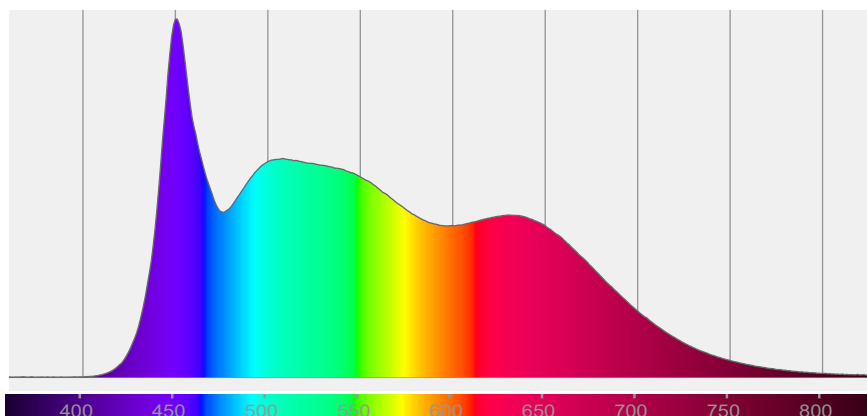


Beam angle 50%: 55,2°

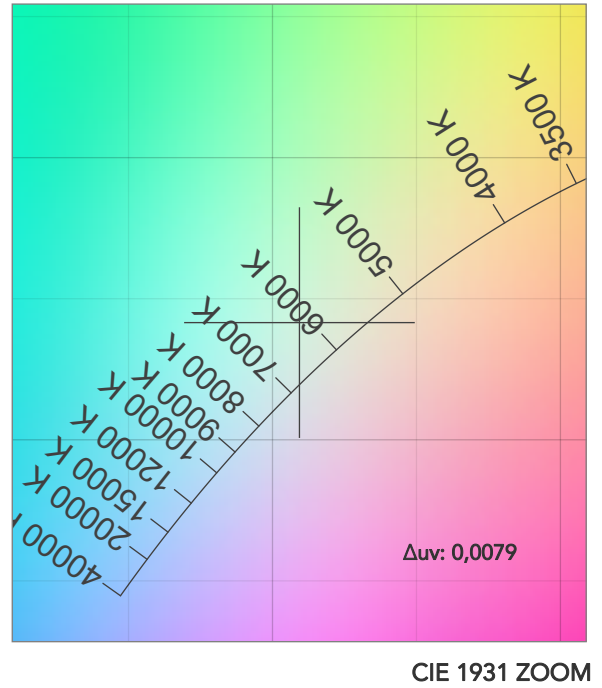
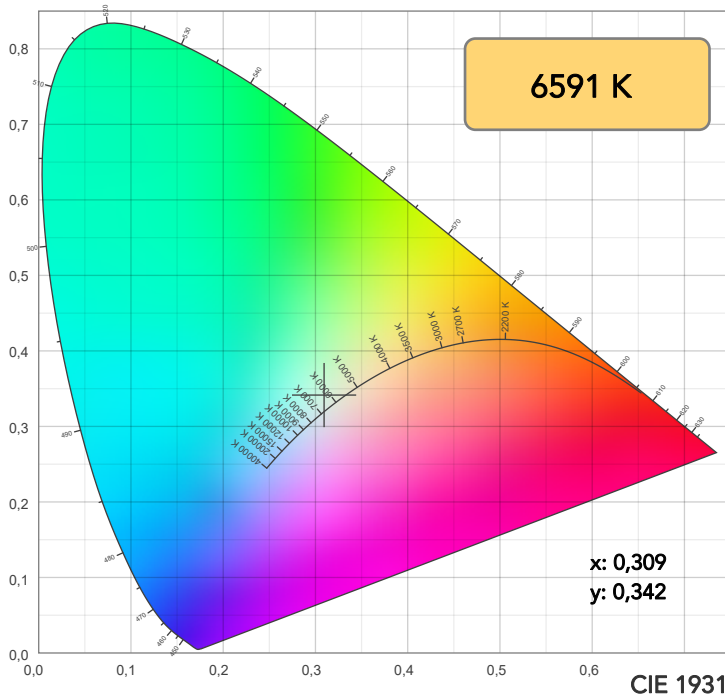
Field angle 10%: 106,2°

Cut off angle 2.5%: 142,5°

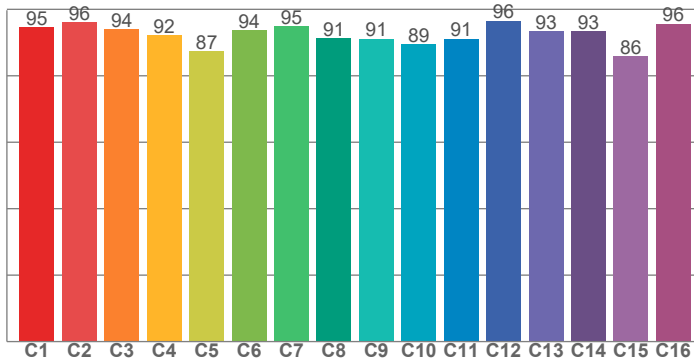
Spectra



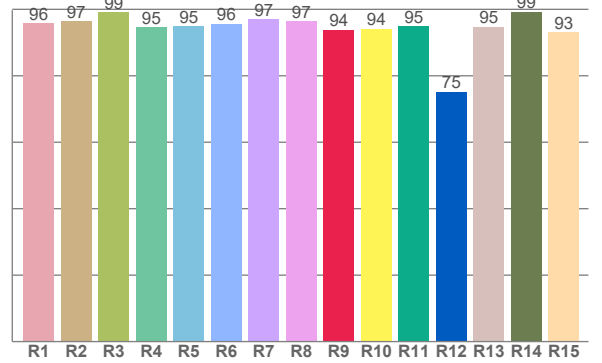
COLOR DETAILS



TM30: 92,1



CRI: 96,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,9	96,5	99,1	94,6	94,8	95,6	96,9	96,5	93,8	94,1	94,8	75,2	94,8	99,3	93,1

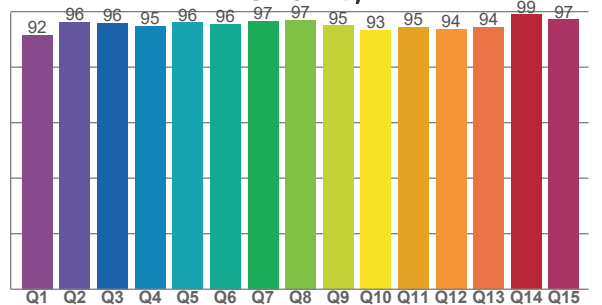
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,1	93,9	92,2	87,3	93,6	94,8	91,2	91,2	89,5	91,1	96,5	93,4	93,3	85,8	95,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,7	96,3	95,9	94,7	96,1	95,6	96,6	97,0	95,0	93,4	94,5	93,8	94,4	99,0	97,2

CQS: 95,1



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
6591 K	96,3	93,8	92,1	97,3	95,1	99	0,309	0,342	0,0079

TM30 DETAILS

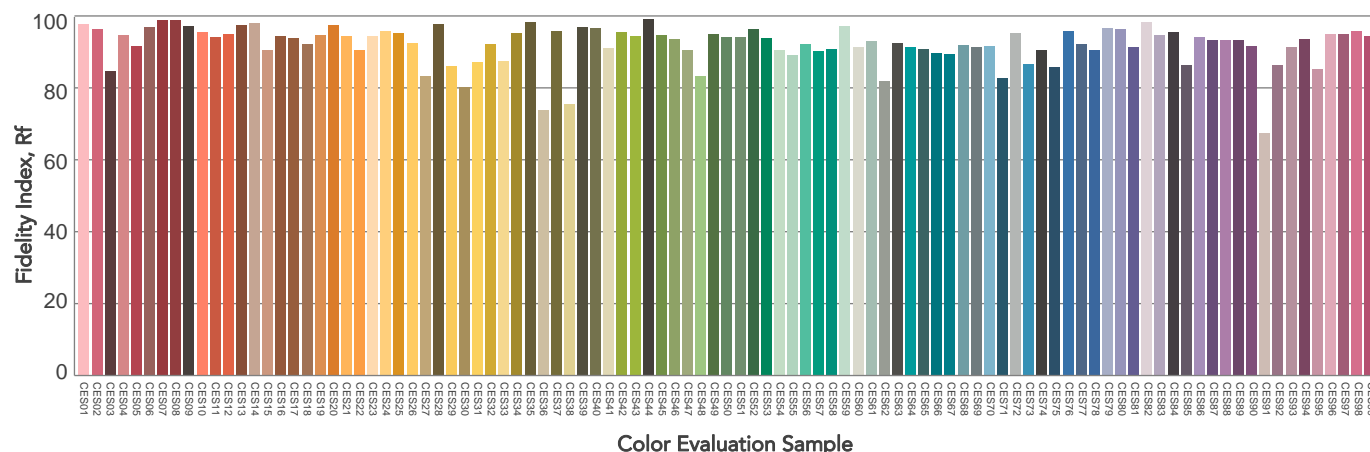
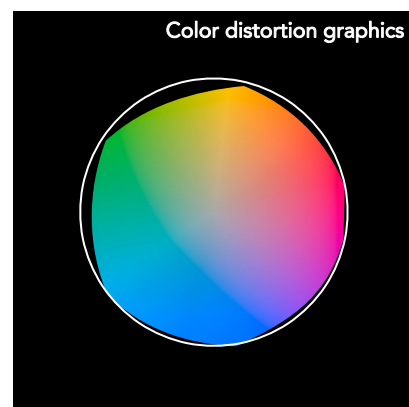
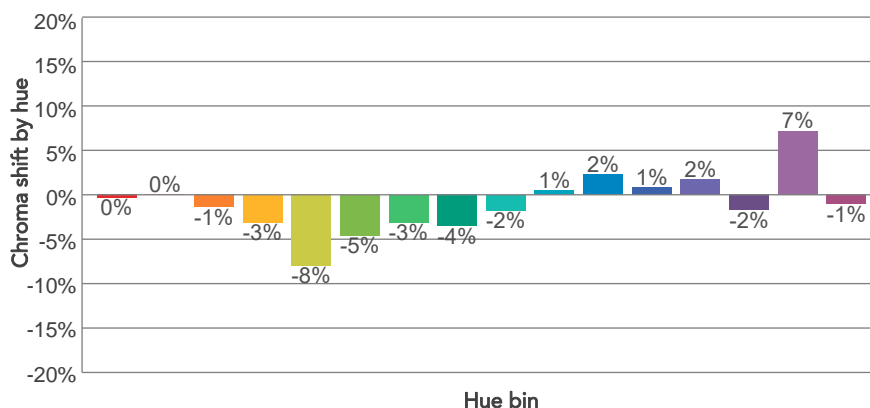
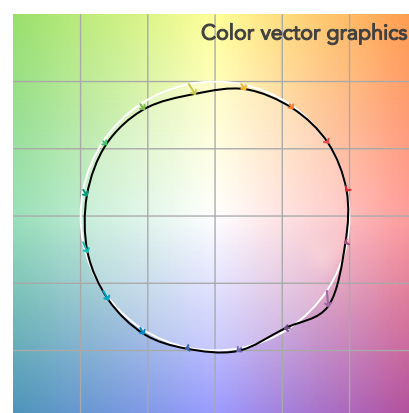
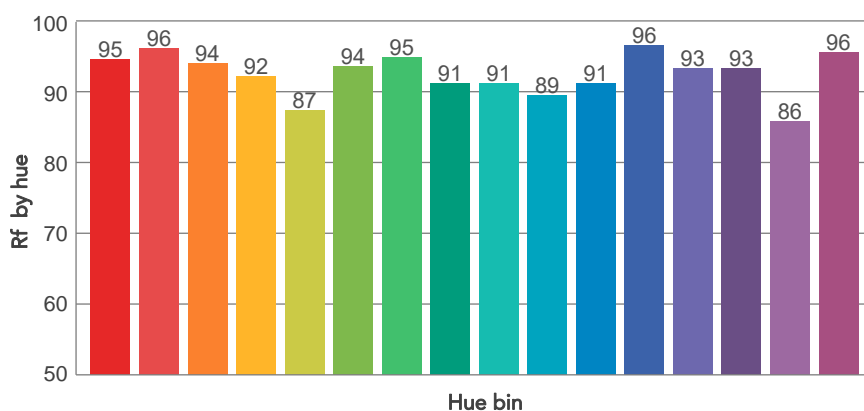
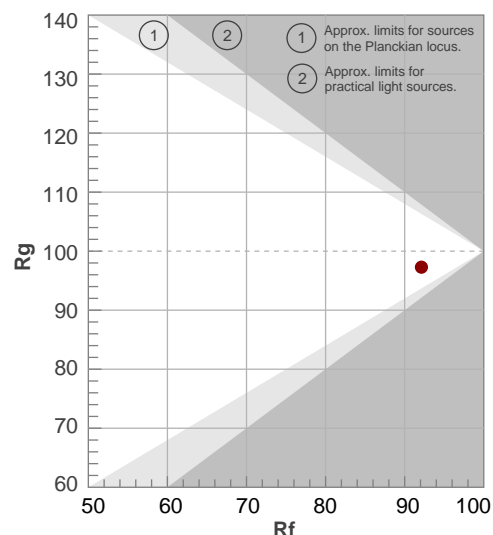
Rf 92,1

Fidelity index Rf

Rg 97,3

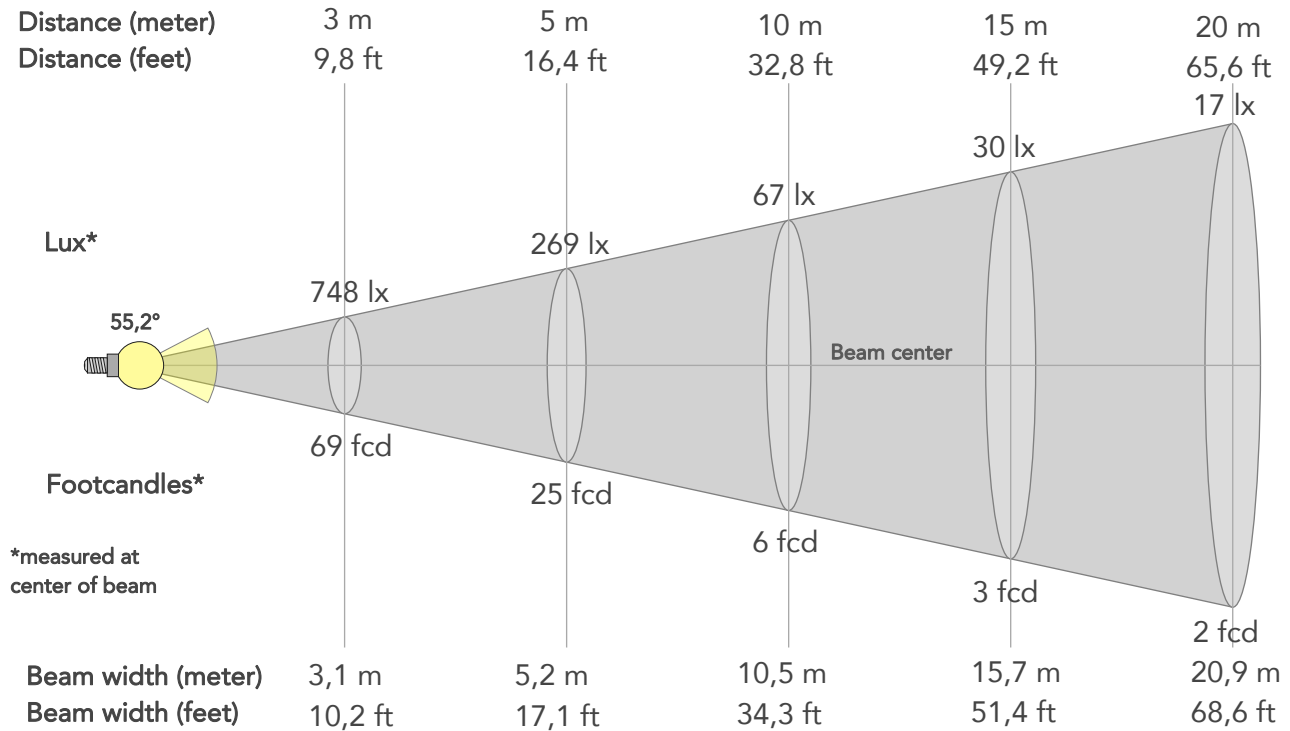
Gammut index

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



BEAM DETAILS

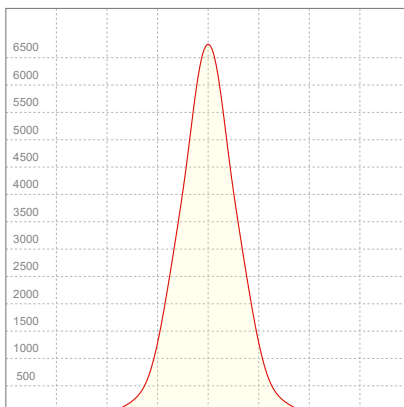
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,2°	106,2°	142,5°	93,7%	80,6%



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	6728lx	1682lx	748lx	421lx	269lx	120lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	625fcd	156fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,2m	5,2m	7,8m	10,5m	15,7m	20,9m	26,1m	31,4m	41,8m	52,3m
Beam wid.	3,4ft	6,9ft	10,2ft	13,7ft	17,1ft	25,7ft	34,3ft	51,4ft	68,6ft	85,7ft	102,8ft	137,1ft	171,4ft

LINEAR DISTRIBUTION DIAGRAM

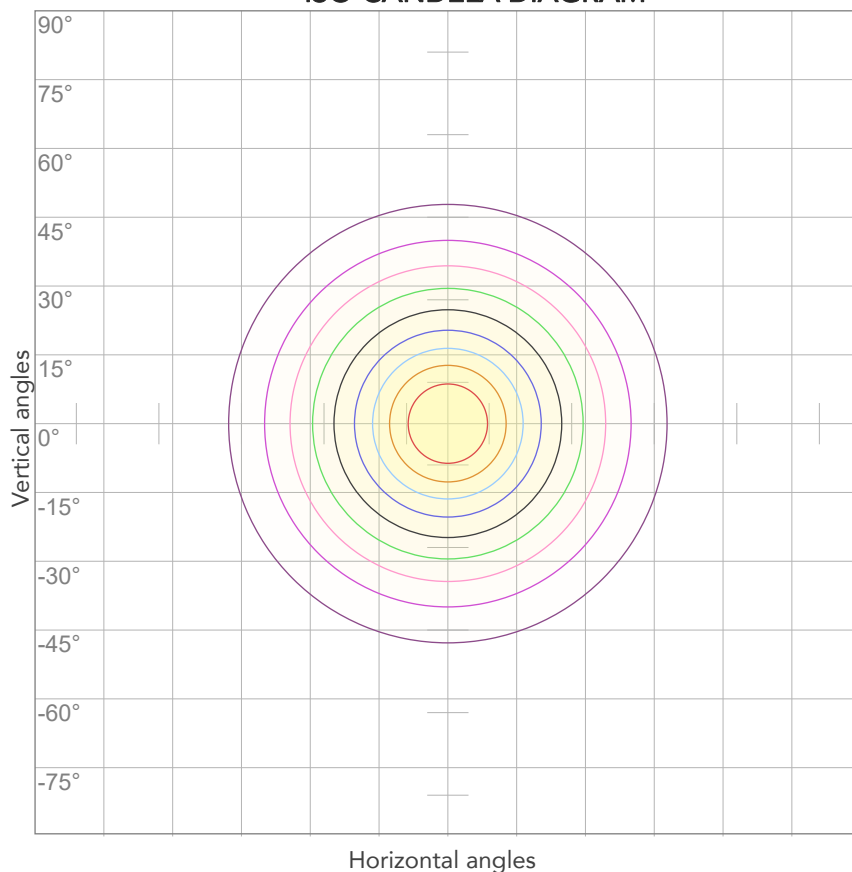


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
228V	0,559A	123,6W	0,97	59lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



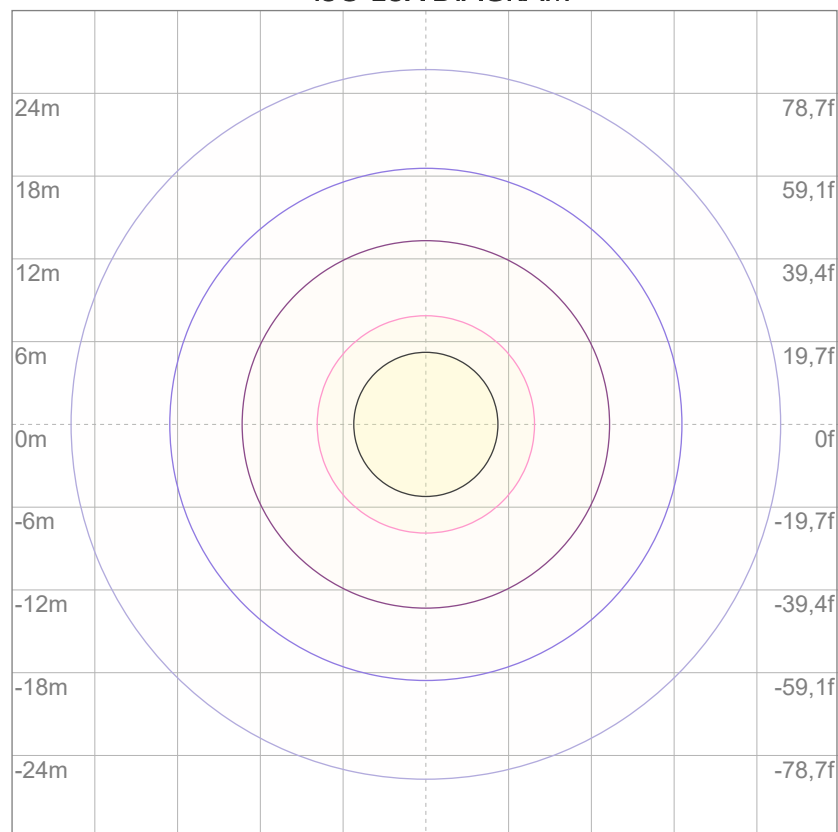
10%	673 cd
20%	1346 cd
30%	2018 cd
40%	2691 cd
50%	3364 cd
60%	4037 cd
70%	4710 cd
80%	5382 cd

Conditions:

Number of c-planes: 2

Candela at center: 6728 cd

ISO LUX DIAGRAM



3%	2,02 lx
5%	3,36 lx
10%	6,73 lx
30%	20,2 lx
50%	33,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 67,3 lx

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



Total lumen output:

11174 lm

Peak candela output:

23353 cd

Light quality:

CRI: 96,4

Color temperature:

6520 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 10°x 60° Filter

Target:

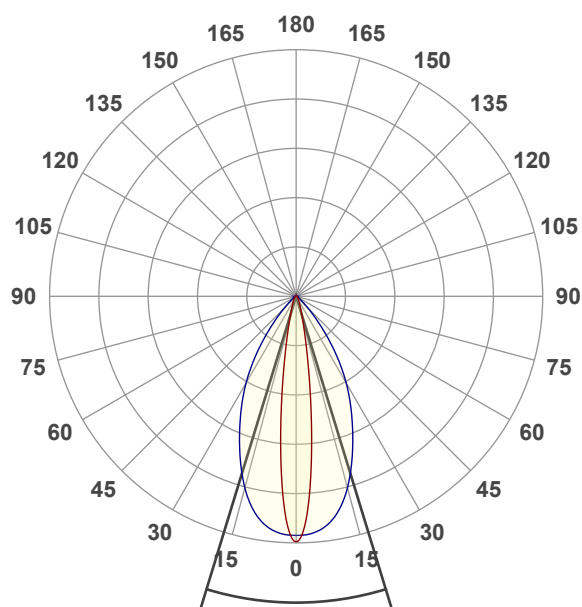
6500K

Operator:

Salvatore Giglio

Date and time:

08/04/2024 17:29:24

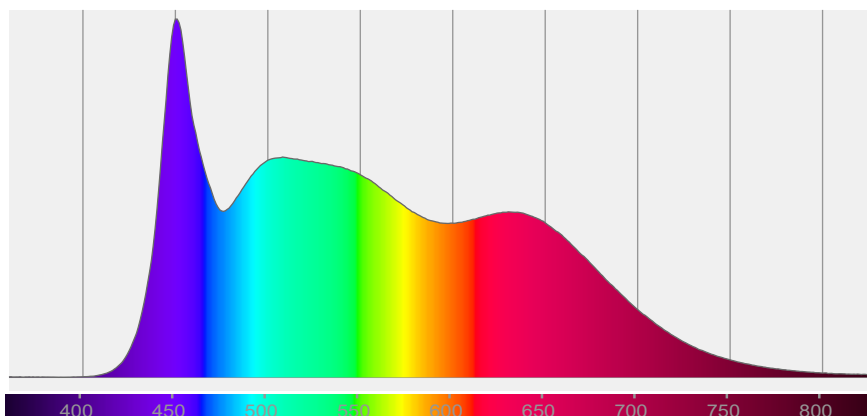


Beam angle 50%: 34°

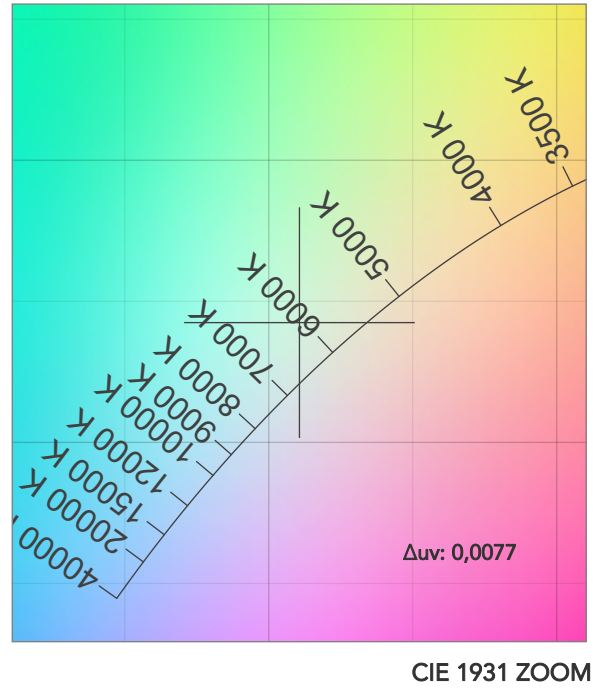
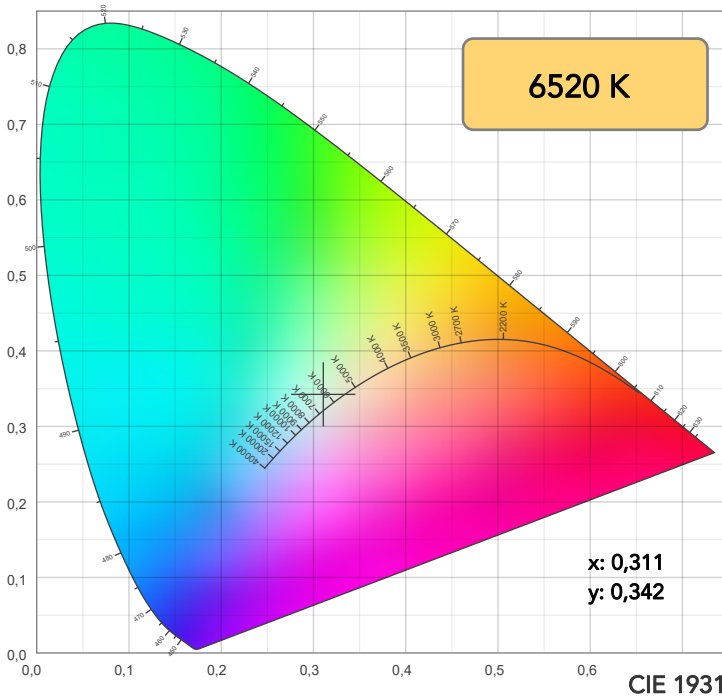
Field angle 10%: 58,4°

Cut off angle 2.5%: 80,8°

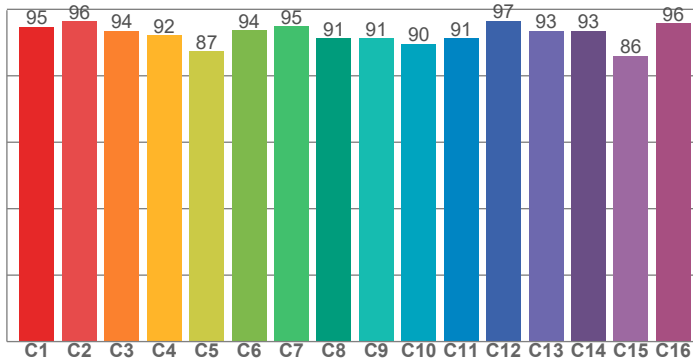
Spectra



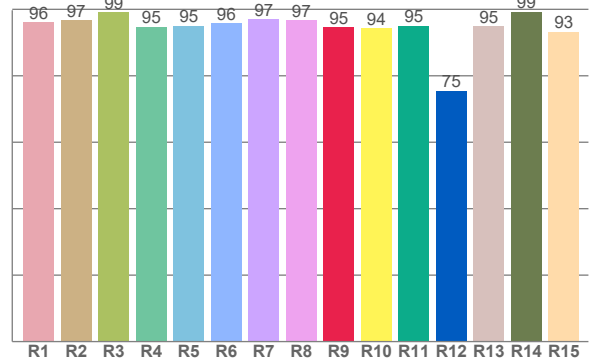
COLOR DETAILS



TM30: 92,2



CRI: 96,4 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,1	96,6	99,1	94,8	95,0	95,8	97,0	96,7	94,5	94,4	95,1	75,5	95,0	99,3	93,3

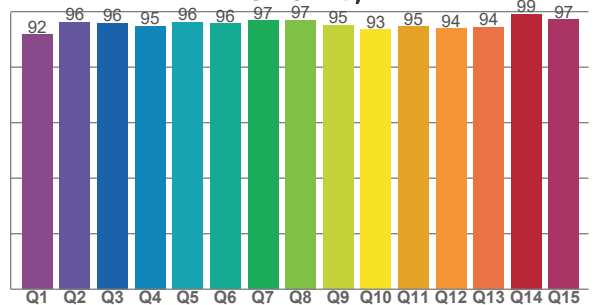
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,7	96,3	93,6	92,2	87,4	93,7	94,9	91,3	91,3	89,6	91,2	96,5	93,4	93,5	86,0	95,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91,7	96,3	96,0	94,8	96,1	95,7	96,8	97,1	95,1	93,5	94,6	93,8	94,4	99,1	97,2

CQS: 95,2



COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6520 K	96,4	94,5	92,2	97,5	95,2	99	0,311	0,342	0,0077

TM30 DETAILS

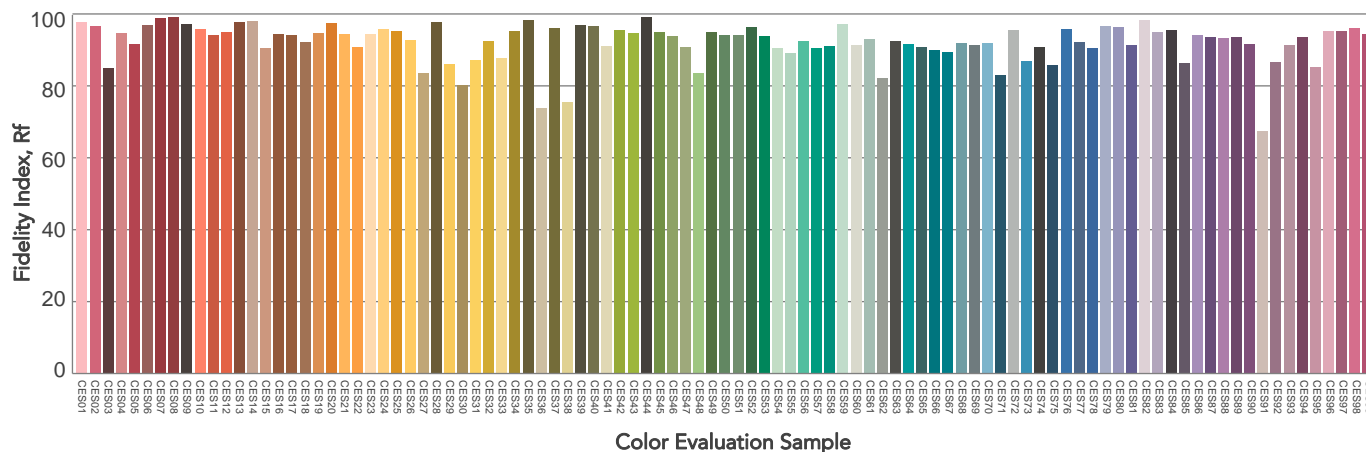
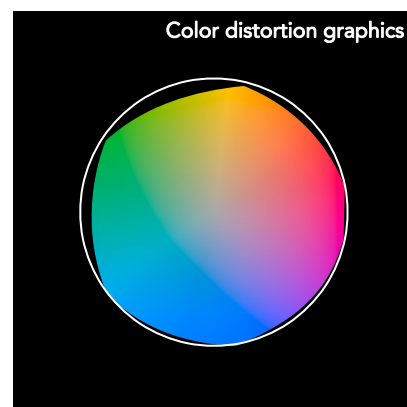
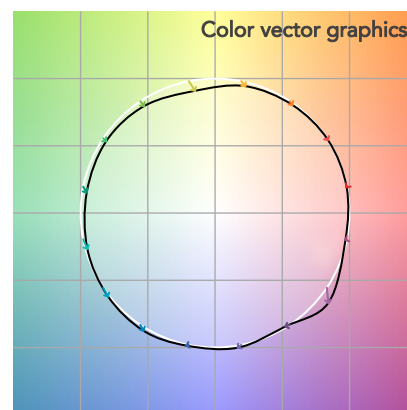
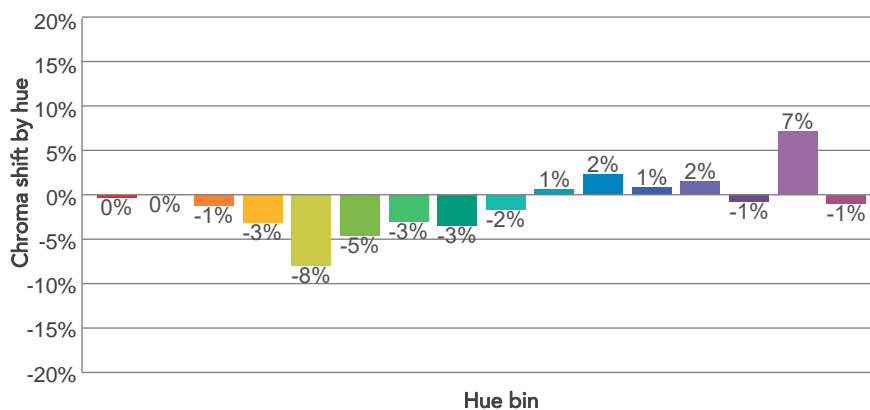
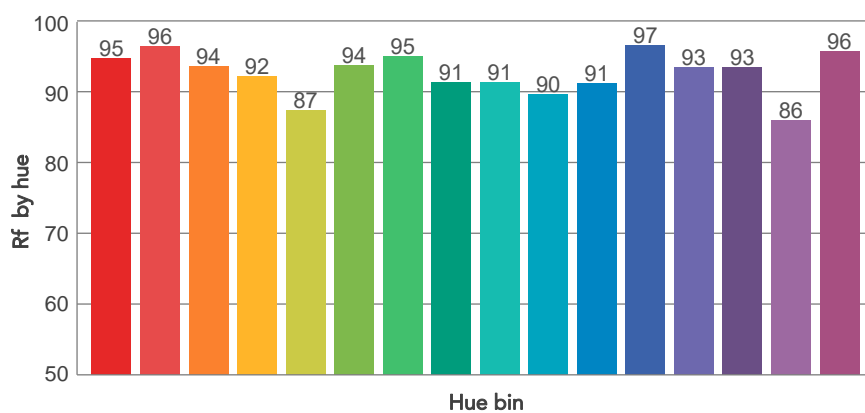
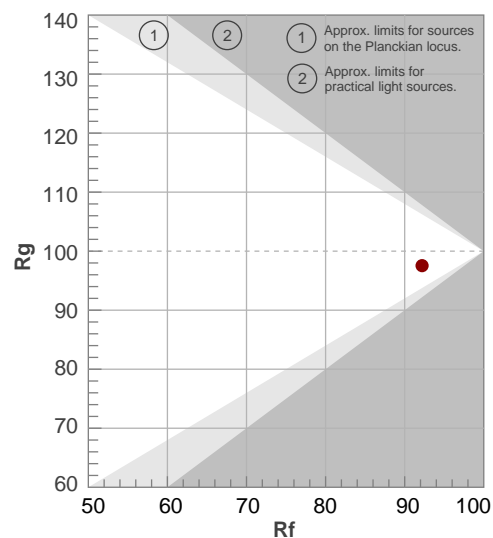
Rf 92,2

Fidelity index R_f

Rg 97,5

Gammut index

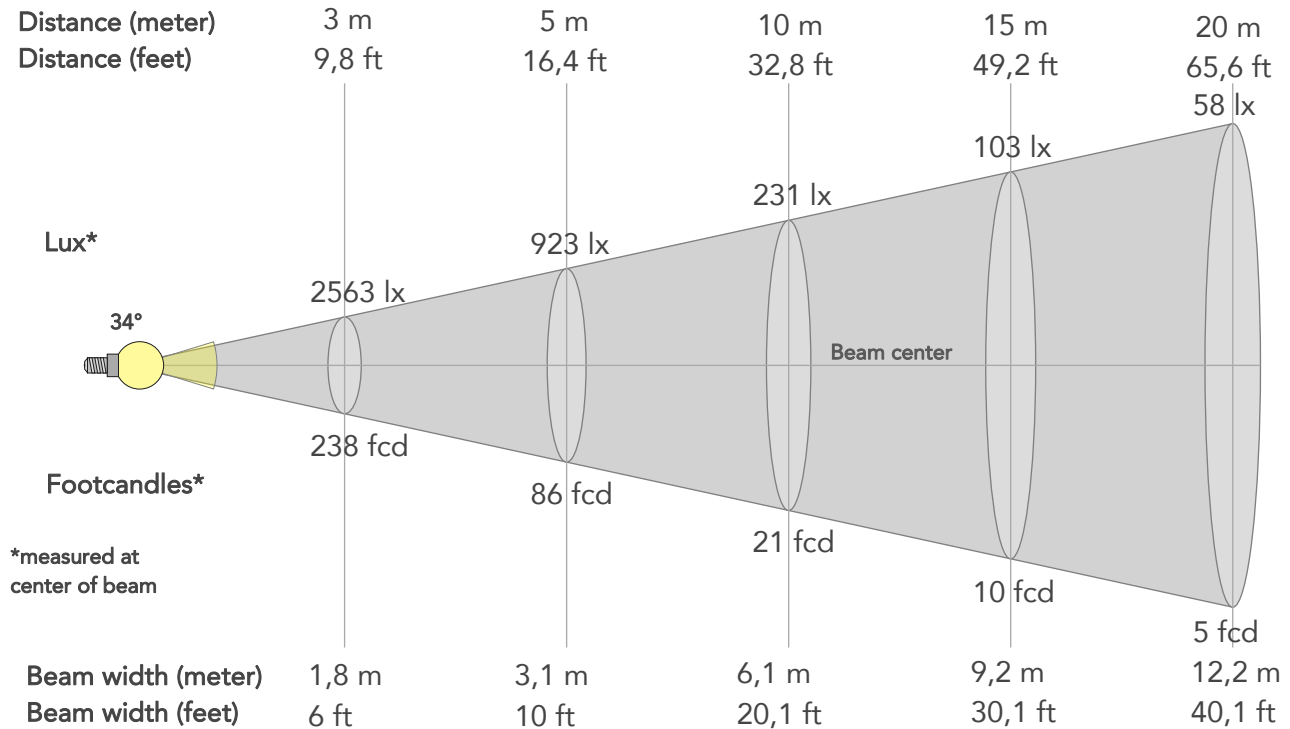
		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	95	0%	0%
2	96	0%	-2%
3	94	-1%	-3%
4	92	-3%	-4%
5	87	-8%	-3%
6	94	-5%	0%
7	95	-3%	1%
8	91	-3%	4%
9	91	-2%	8%
10	90	1%	7%
11	91	2%	4%
12	97	1%	-2%
13	93	2%	-3%
14	93	-1%	-3%
15	86	7%	-9%
16	96	-1%	-1%



BEAM DETAILS



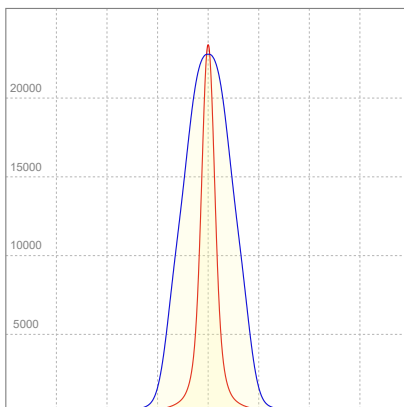
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
34°	58,4°	80,8°	97,3%	92,4%



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	23067lx	5767lx	2563lx	1442lx	923lx	410lx	231lx	103lx	58lx	37lx	26lx	14lx	9lx
Footcand.	2143fcd	536fcd	238fcd	134fcd	86fcd	38fcd	21fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3,1m	4,6m	6,1m	9,2m	12,2m	15,3m	18,4m	24,5m	30,6m
Beam wid.	2ft	4ft	6ft	8ft	10ft	15,1ft	20,1ft	30,1ft	40,1ft	50,2ft	60,2ft	80,3ft	100,4ft

LINEAR DISTRIBUTION DIAGRAM

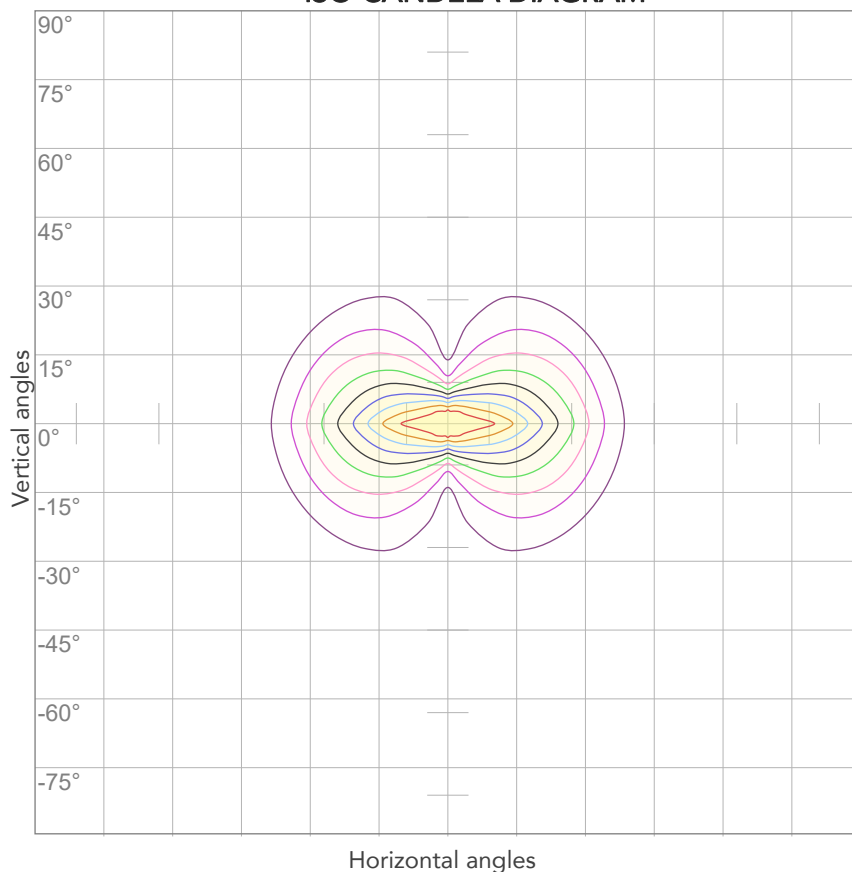


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
227V	0,560A	123,6W	0,97	90lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



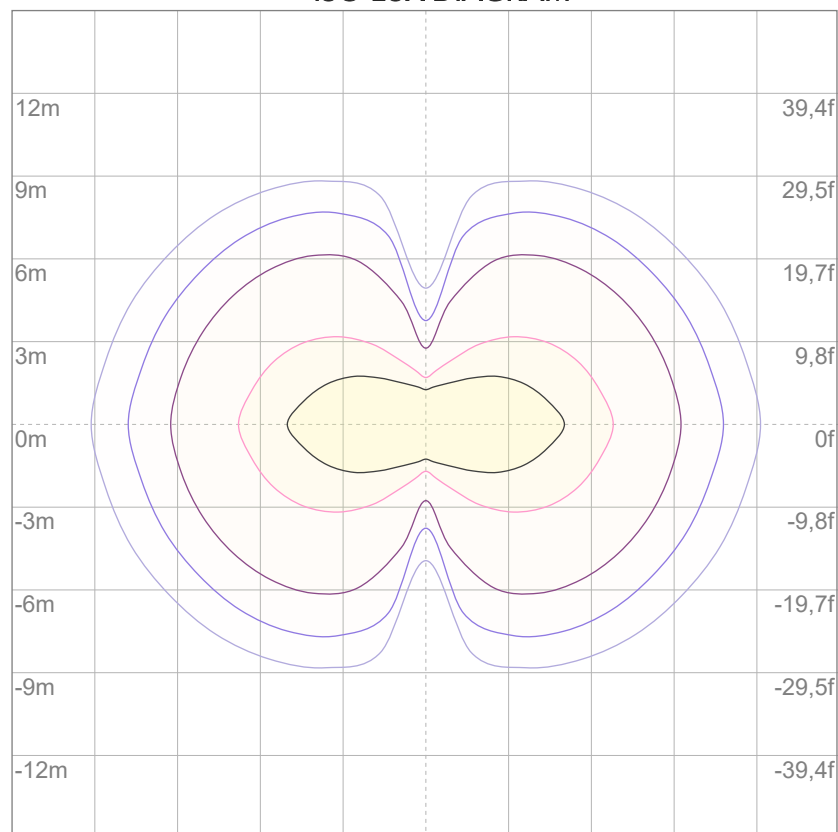
10%	2307 cd
20%	4613 cd
30%	6920 cd
40%	9227 cd
50%	11533 cd
60%	13840 cd
70%	16147 cd
80%	18453 cd

Conditions:

Number of c-planes: 4

Candela at center: 23067 cd

ISO LUX DIAGRAM



3%	6,92 lx
5%	11,5 lx
10%	23,1 lx
30%	69,2 lx
50%	115 lx

Conditions:

Number of c-planes: 4

Lux at center: 231 lx

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



Total lumen output:

8090 lm

Peak candela output:

11816 cd

Light quality:

CRI: 94,7

Color temperature:

6563 K

PRODUCT NAME:

ARCSPOTL VW

MEASURAMENT CONDITIONS:

Beam angle:

10° + 30°x60° Filter

Target:

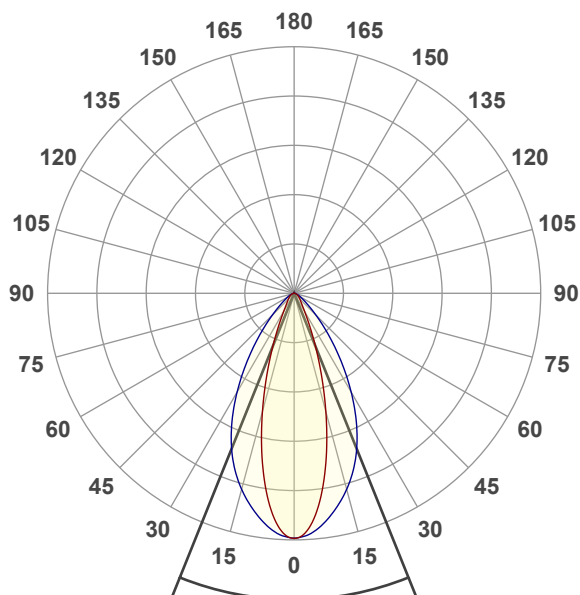
6500K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 17:17:29

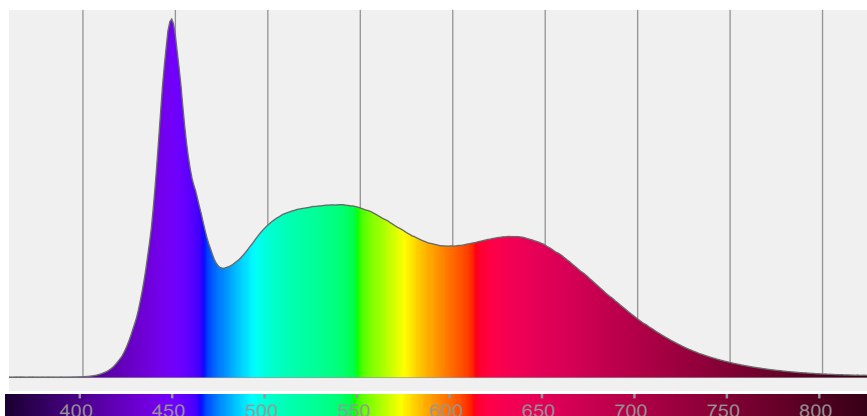


Beam angle 50%: 43,8°

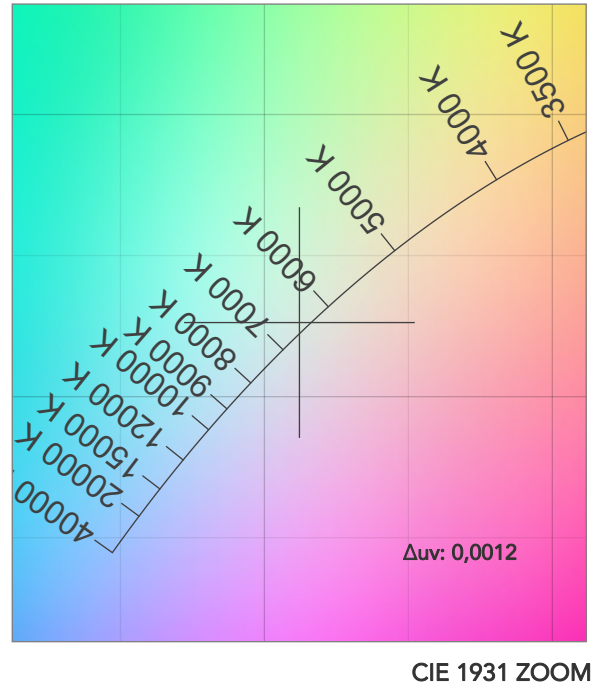
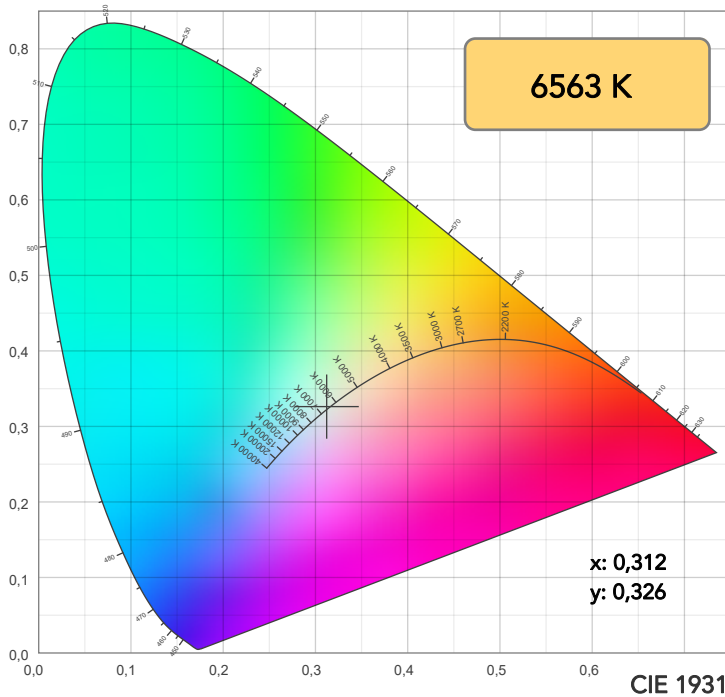
Field angle 10%: 75,8°

Cut off angle 2.5%: 113,7°

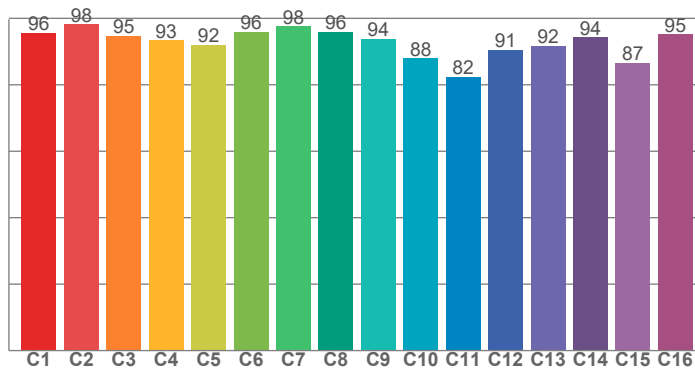
Spectra



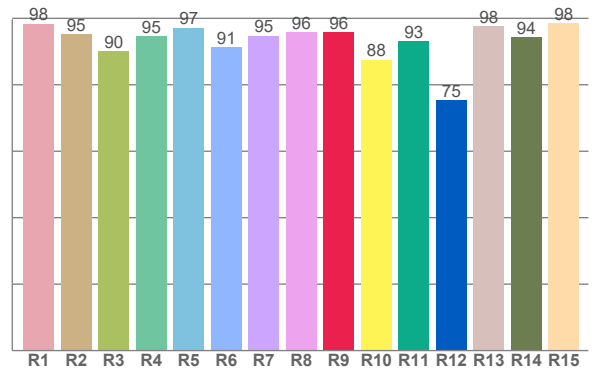
COLOR DETAILS



TM30: 92,7



CRI: 94,7 (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
98,3	95,2	90,0	94,6	97,2	91,3	94,8	95,8	95,8	87,5	93,0	75,3	97,5	94,4	98,5

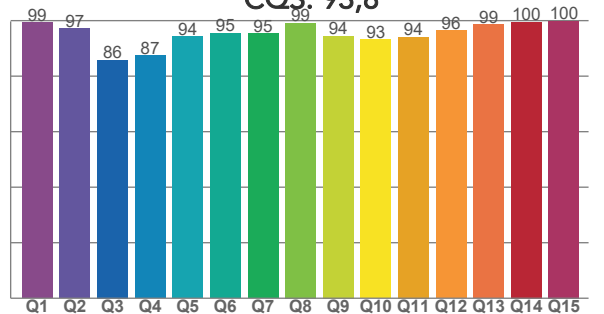
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	98,1	94,7	93,4	92,0	95,8	97,5	95,9	93,8	88,0	82,4	90,5	91,7	94,2	86,6	95,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	97,2	85,8	87,4	94,2	95,4	95,4	99,1	94,5	93,1	94,1	96,5	98,5	99,6	99,9

CQS: 93,8



COLOR PARAMETERS

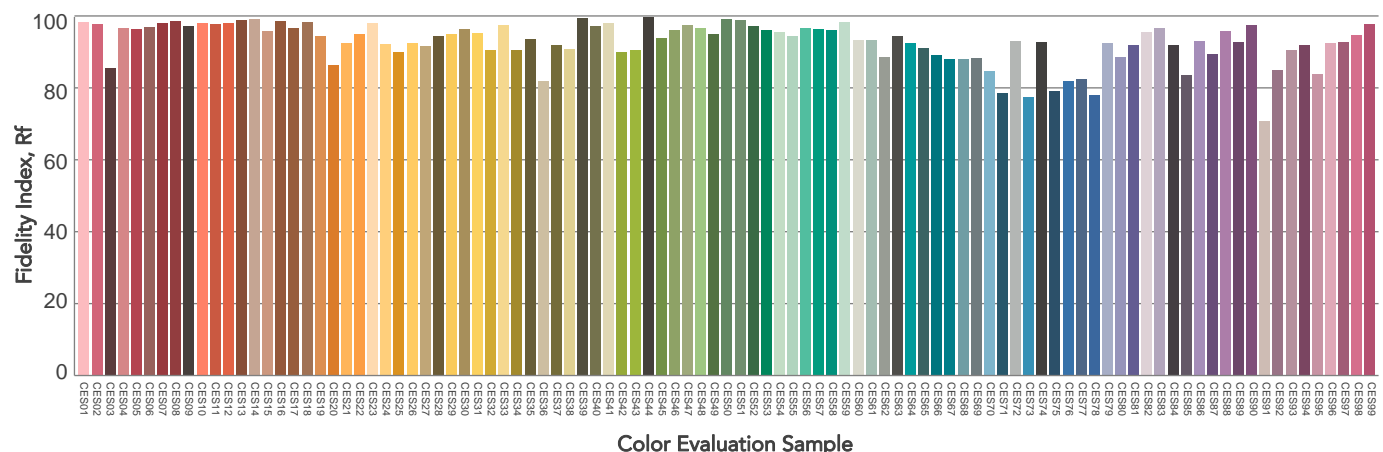
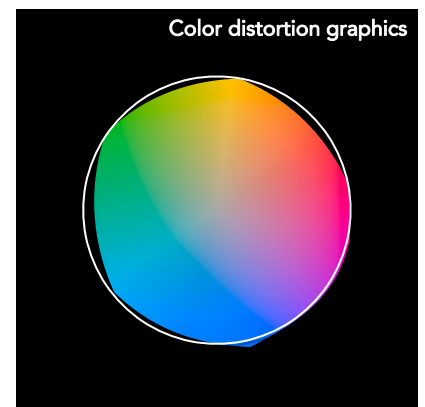
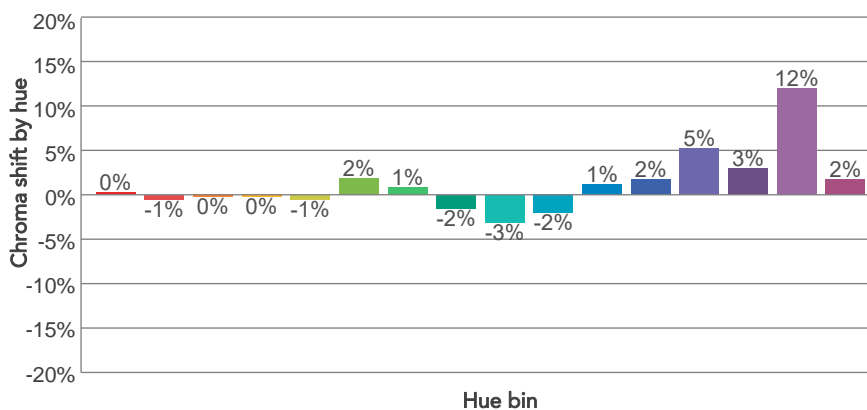
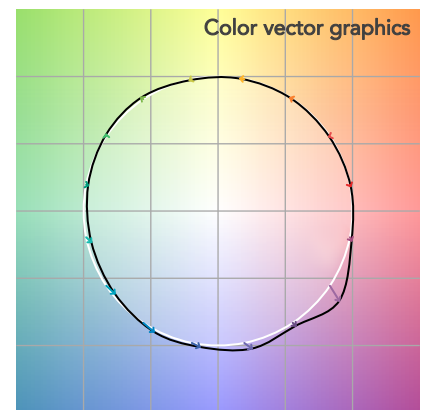
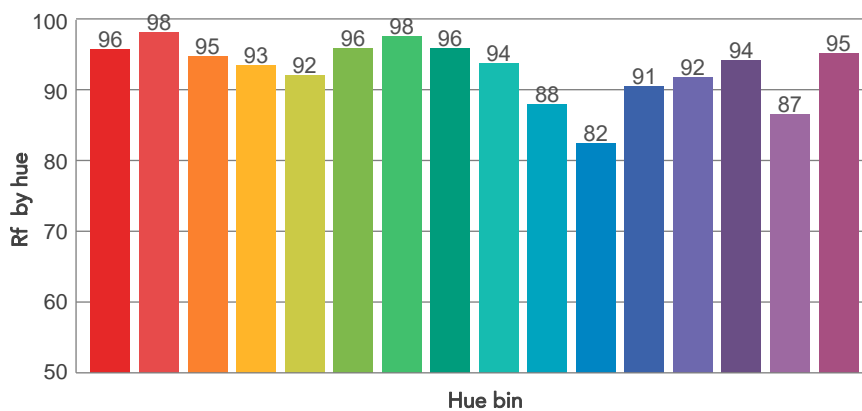
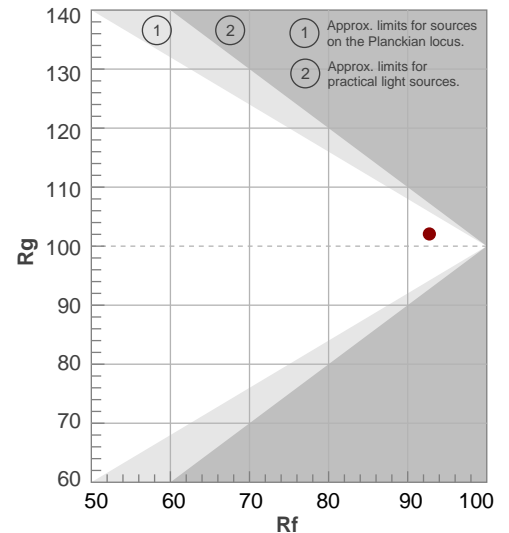
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6563 K	94,7	95,8	92,7	102,1	93,8	98	0,312	0,326	0,0012

TM30 DETAILS

Rf 92,7
Fidelity index Rf

Rg 102,1
Gammut index

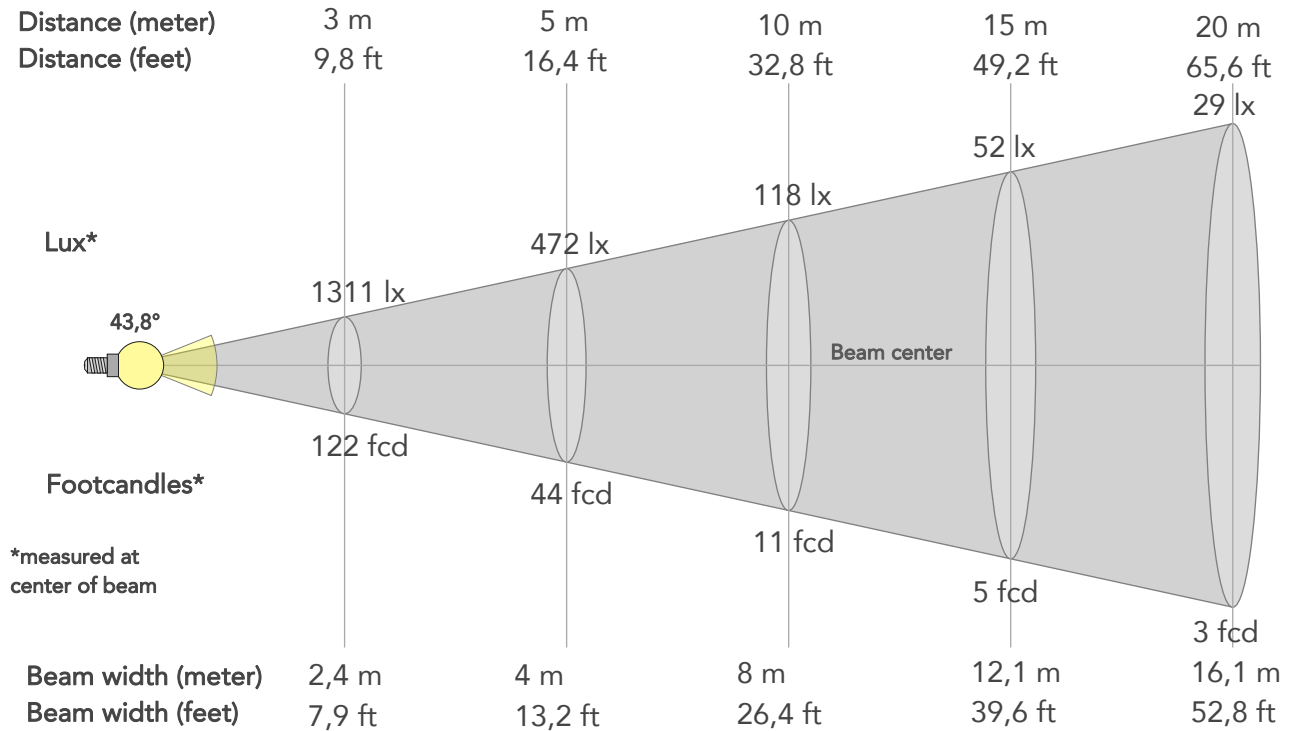
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	-1%	2%
6	96	2%	1%
7	98	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	91	2%	6%
13	92	5%	5%
14	94	3%	1%
15	87	12%	-5%
16	95	2%	-2%



BEAM DETAILS



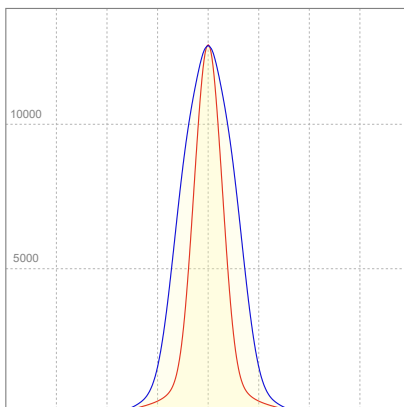
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,8°	113,7°	96,2%	88,0%



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	11800lx	2950lx	1311lx	737lx	472lx	210lx	118lx	52lx	29lx	19lx	13lx	7lx	5lx
Footcand.	1096fcd	274fcd	122fcd	69fcd	44fcd	19fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,2m	40,2m
Beam wid.	2,7ft	5,3ft	7,9ft	10,5ft	13,2ft	19,8ft	26,4ft	39,6ft	52,8ft	66ft	79,2ft	105,6ft	131,9ft

LINEAR DISTRIBUTION DIAGRAM

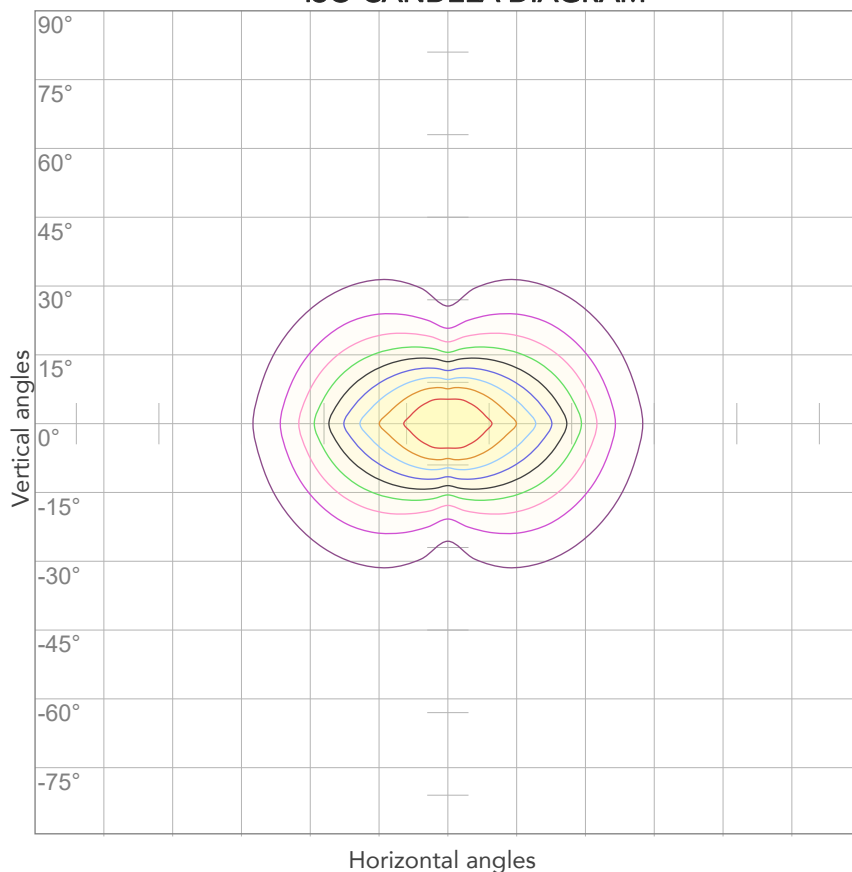


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Effeciency
225V	0,565A	124,4W	0,98	65lm/W

ISO DIAGRAMS

ISO CANDELA DIAGRAM



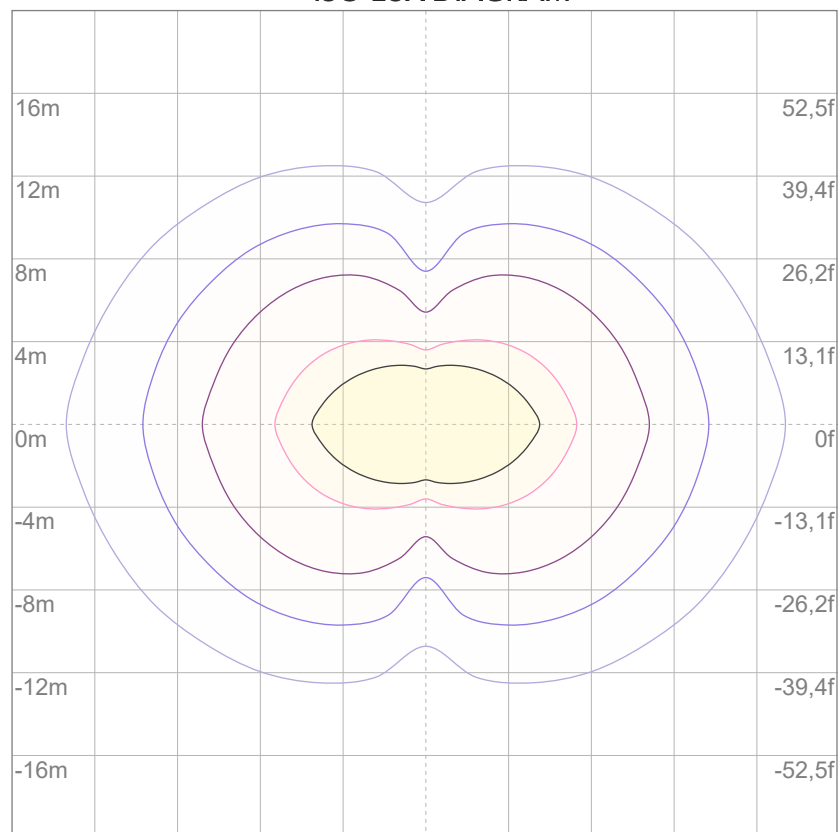
10%	1180 cd
20%	2360 cd
30%	3540 cd
40%	4720 cd
50%	5900 cd
60%	7080 cd
70%	8260 cd
80%	9440 cd

Conditions:

Number of c-planes: 4

Candela at center: 11800 cd

ISO LUX DIAGRAM



3%	3,54 lx
5%	5,90 lx
10%	11,8 lx
30%	35,4 lx
50%	59,0 lx

Conditions:

Number of c-planes: 4

Lux at center: 118 lx

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