

# Photometric Test Report



## ARCSPOTLW

IP66 Spot featuring 7'500 lumen with  
37 x 4W Variable White source, 10°  
native

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<b>Color preset Warm White</b>	
Beam angle 10°	35
Beam angle 10°+20° Filter	40
Beam angle 10°+40° Filter	45
Beam angle 10°+60° Filter	50
Beam angle 10°+10°x60° Filter	55
Beam angle 10°+30°x60° Filter	60
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Beam angle 10°	95
Beam angle 10°+20° Filter	100
Beam angle 10°+40° Filter	105
Beam angle 10°+60° Filter	110
Beam angle 10°+10°x60° Filter	115
Beam angle 10°+30°x60° Filter	120

**Color preset 3200K**

Beam angle 10°	125
Beam angle 10°+20° Filter	130
Beam angle 10°+40° Filter	135
Beam angle 10°+60° Filter	140
Beam angle 10°+10°x60° Filter	145
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Beam angle 10°	155
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Beam angle 10°+40° Filter	165
Beam angle 10°+60° Filter	170
Beam angle 10°+10°x60° Filter	175
Beam angle 10°+30°x60° Filter	180

**Color preset 5600K**

Beam angle 10°	185
Beam angle 10°+20° Filter	190
Beam angle 10°+40° Filter	195
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:

8241 lm

Peak candela output:

161310 cd

Light quality:

CRI: 94,2

Color temperature:

4368 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

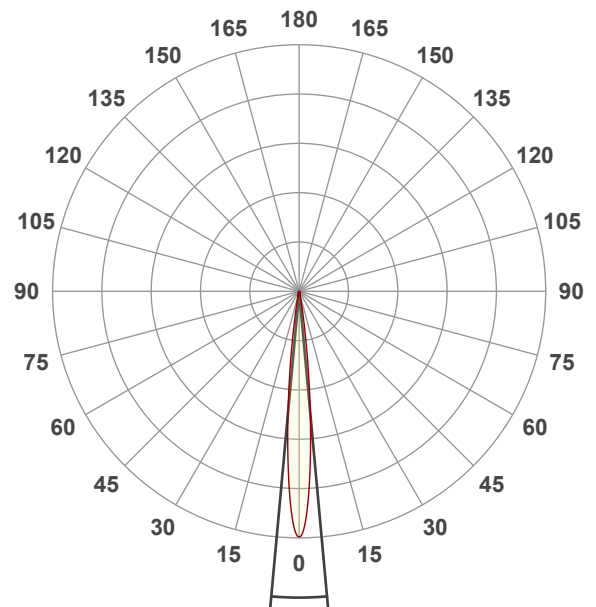
Full On

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:03:57

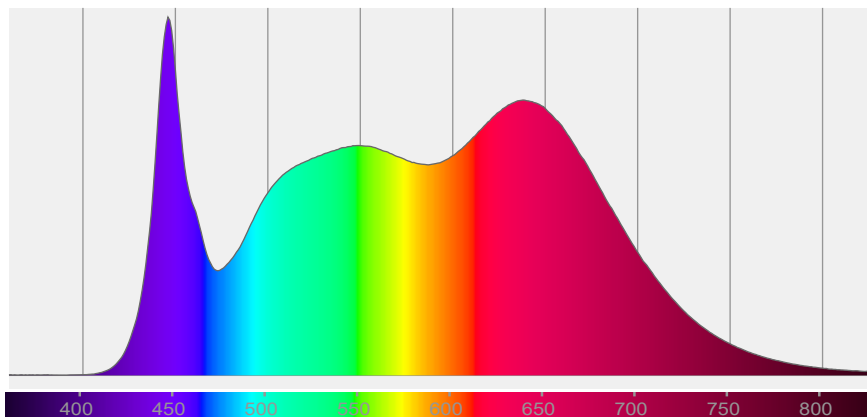


Beam angle 50%: 10,4°

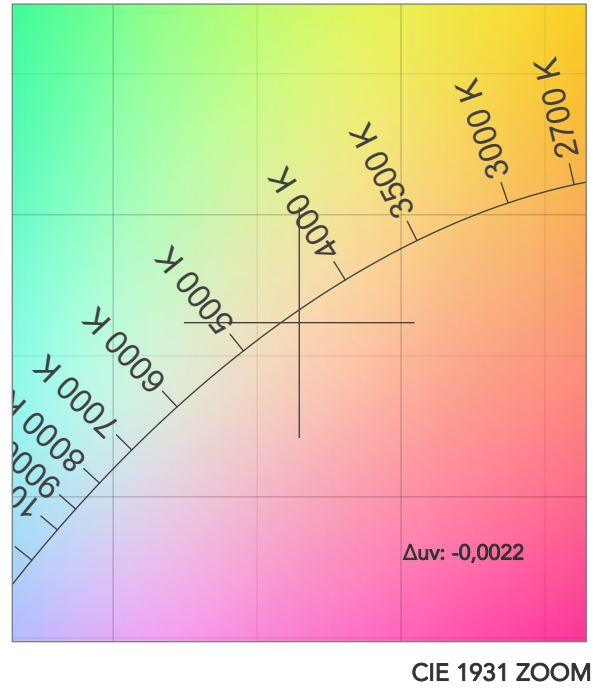
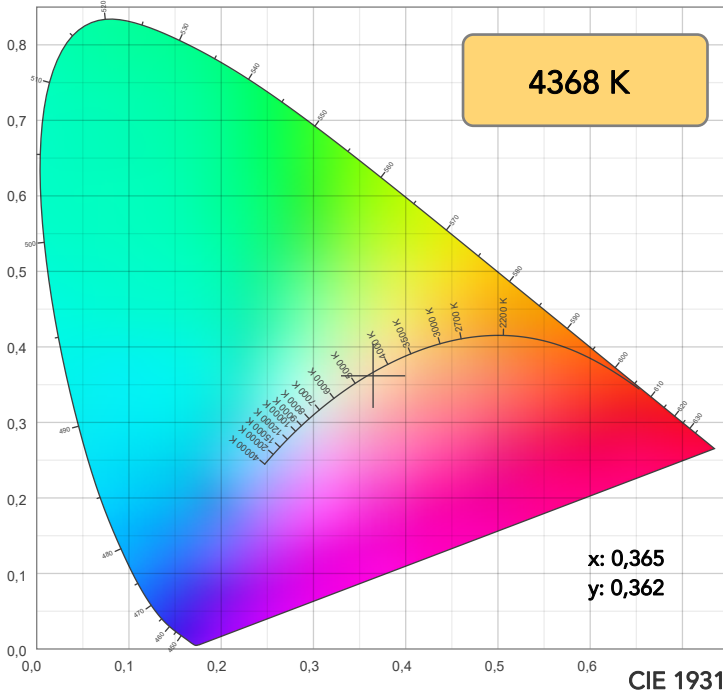
Field angle 10%: 18,6°

Cut off angle 2.5%: 25,7°

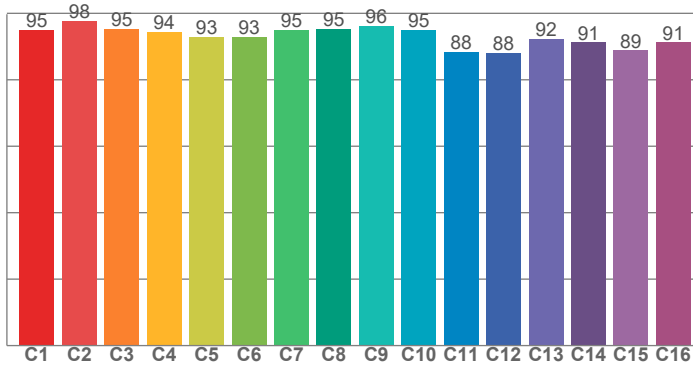
Spectra



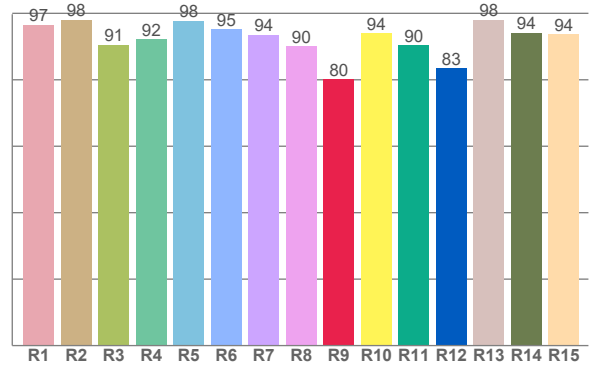
# COLOR DETAILS



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
96,5	98,1	90,5	92,2	97,8	95,2	93,5	90,1	80,2	94,1	90,5	83,4	98,1	94,2	93,6

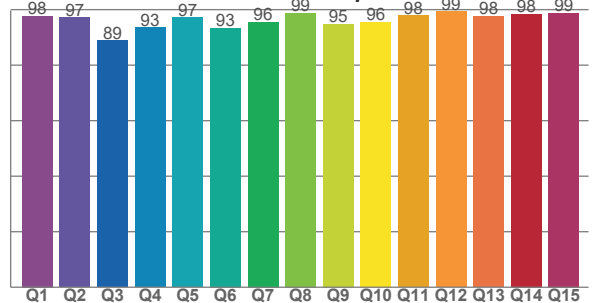
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	97,7	95,4	94,5	92,9	92,9	95,1	95,4	96,2	95,1	88,5	88,0	92,2	91,3	88,8	91,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,8	97,2	88,9	93,5	97,2	93,3	95,6	98,7	94,8	95,6	97,8	99,3	97,6	98,4	98,8

CQS: 95,4



## COLOR PARAMETERS

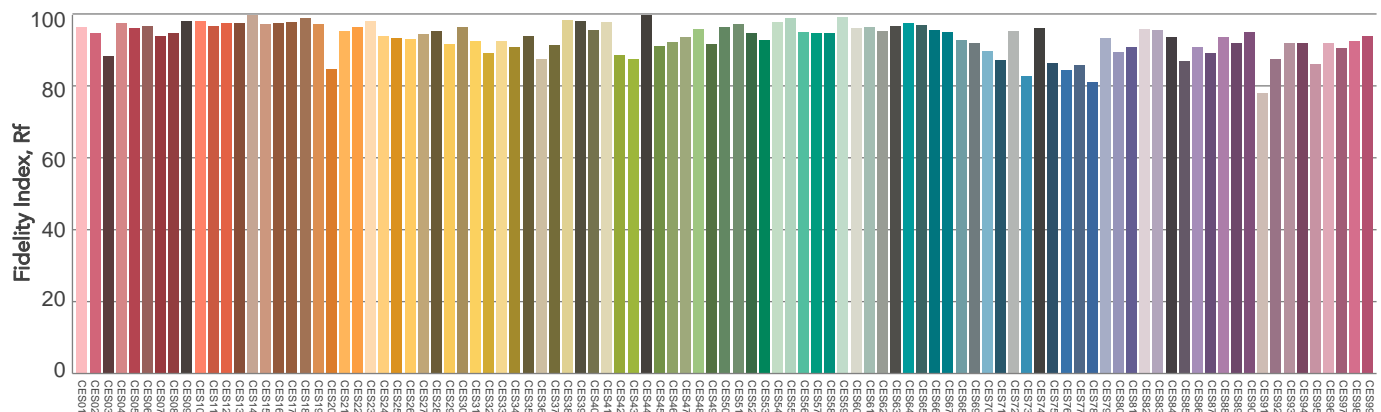
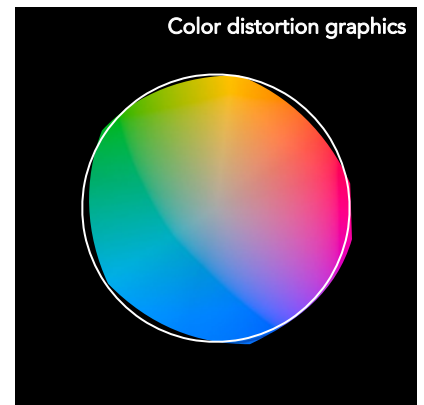
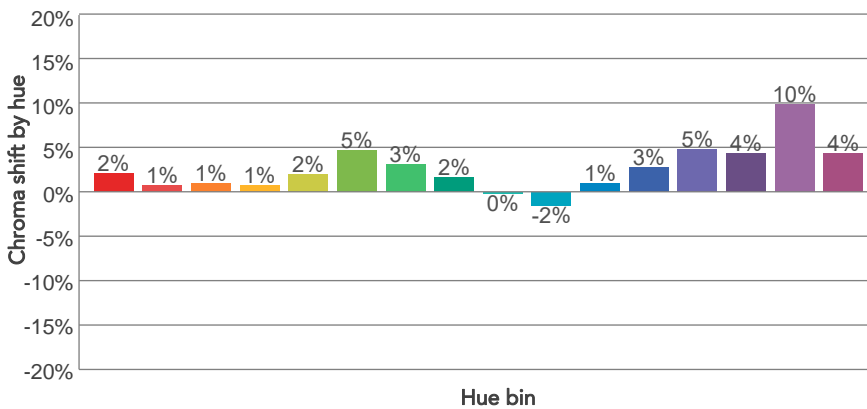
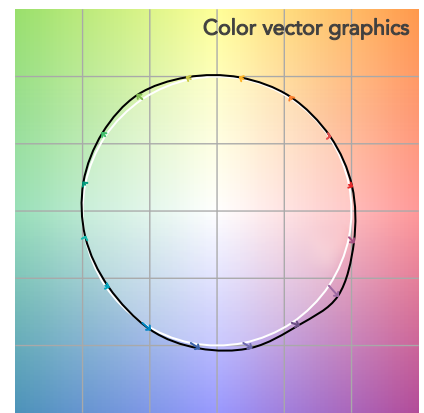
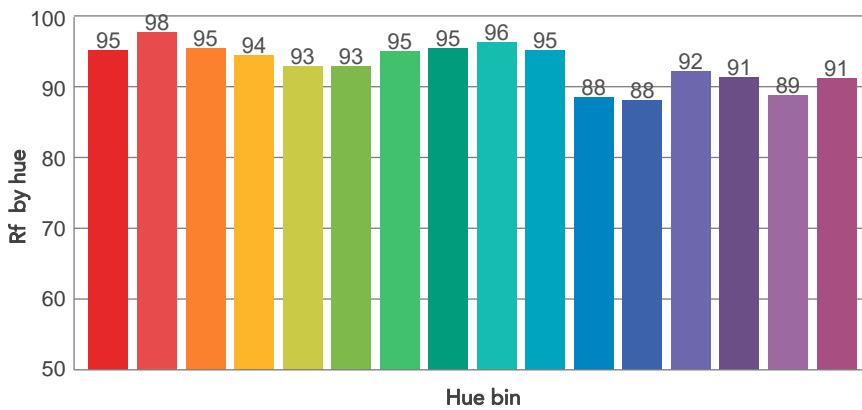
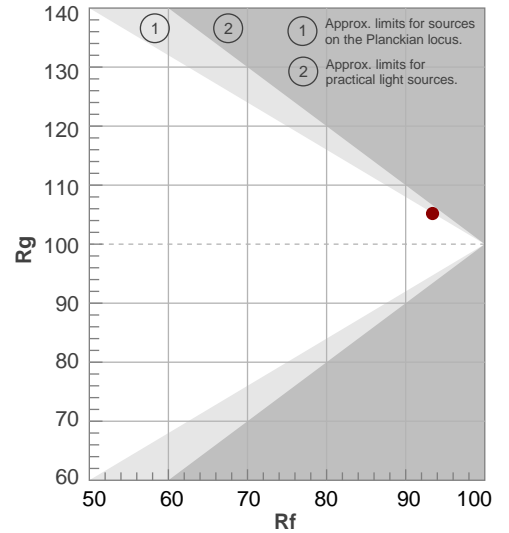
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4368 K	94,2	80,2	93,4	105,2	95,4	97	0,365	0,362	-0,0022

# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

**Rg 105,2**  
Gammut index

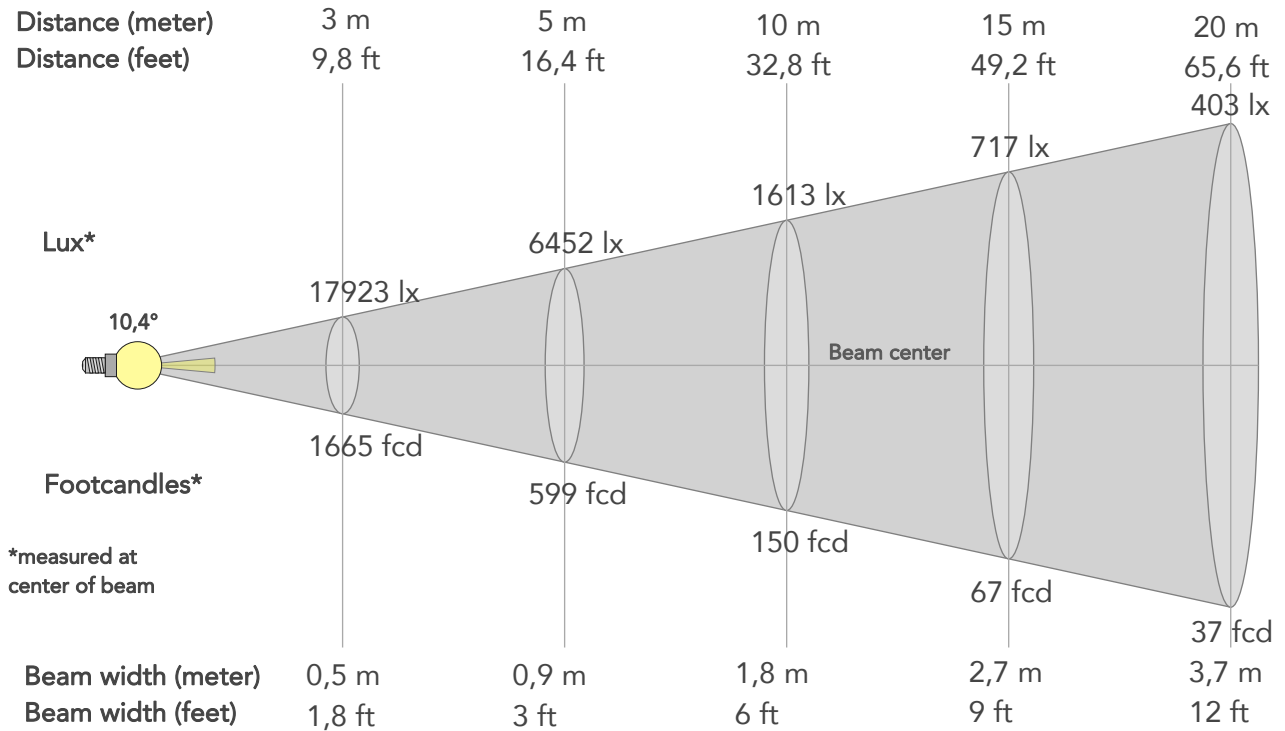
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-2%
2	98	1%	-1%
3	95	1%	2%
4	94	1%	3%
5	93	2%	3%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-2%	2%
11	88	1%	7%
12	88	3%	7%
13	92	5%	5%
14	91	4%	3%
15	89	10%	-3%
16	91	4%	-3%



# BEAM DETAILS



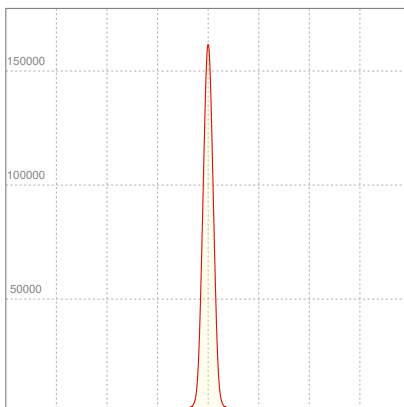
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,6°	25,7°	95,3%	91,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	161310lx	40327lx	17923lx	10082lx	6452lx	2868lx	1613lx	717lx	403lx	258lx	179lx	101lx	65lx
Footcand.	14986fcd	3747fcd	1665fcd	937fcd	599fcd	266fcd	150fcd	67fcd	37fcd	24fcd	17fcd	9fcd	6fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,7m	4,6m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	18ft	24ft	30ft

## LINEAR DISTRIBUTION DIAGRAM



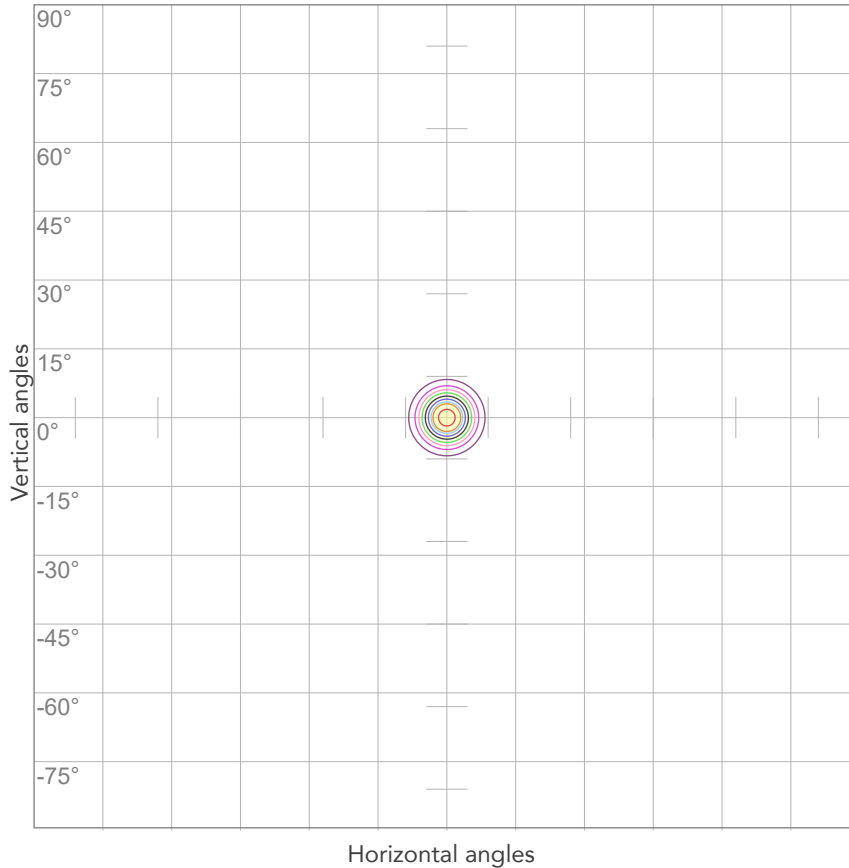
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,591A	130,2W	0,97	63lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



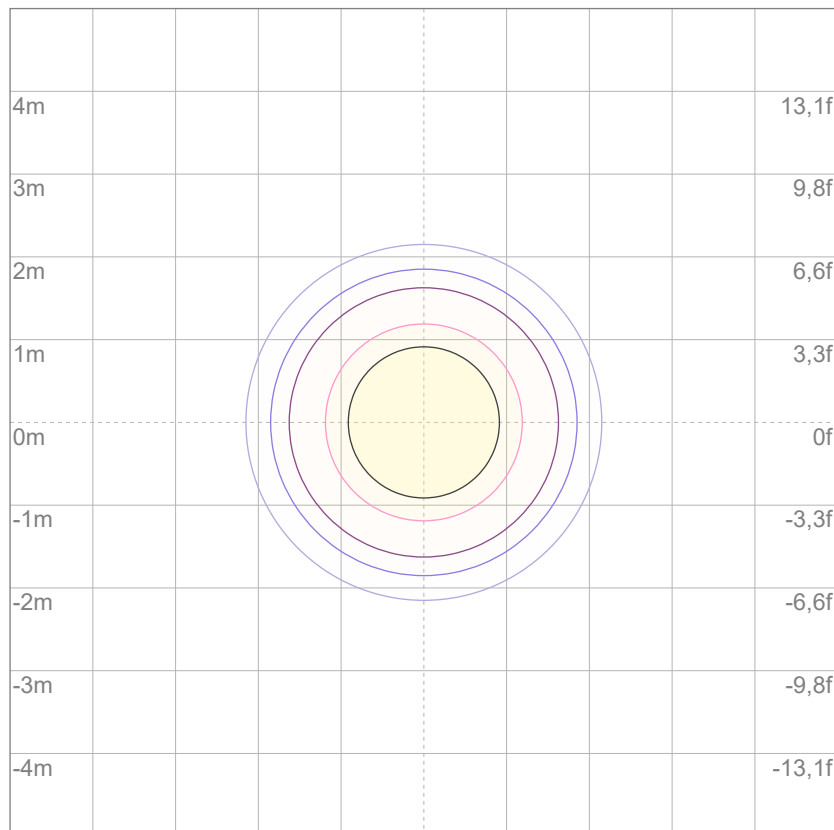
10%	16131 cd
20%	32262 cd
30%	48393 cd
40%	64524 cd
50%	80655 cd
60%	96786 cd
70%	112917 cd
80%	129048 cd

Conditions:

Number of c-planes: 2

Candela at center: 161310 cd

## ISO LUX DIAGRAM



3%	48,4 lx
5%	80,7 lx
10%	161 lx
30%	484 lx
50%	807 lx

Conditions:

Number of c-planes: 2

Lux at center: 1613 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:

7331 lm

Peak candela output:

28755 cd

Light quality:

CRI: 94,2

Color temperature:

4346 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 20° Filter**

**Target:**

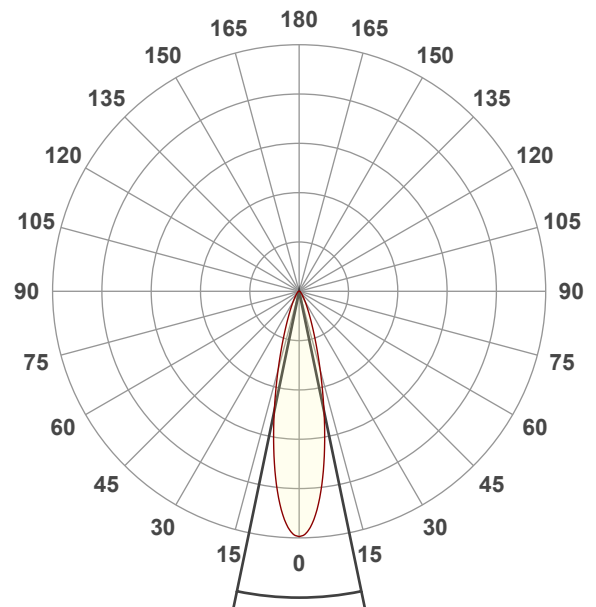
**Full On**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:30:03**

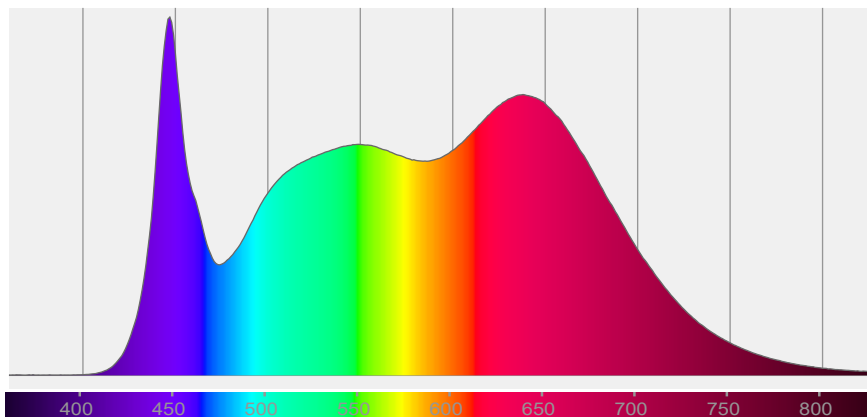


**Beam angle 50%: 23,4°**

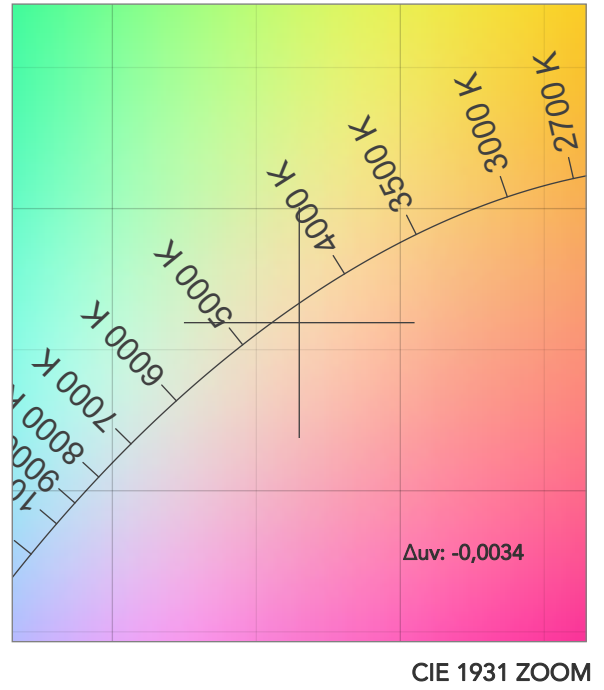
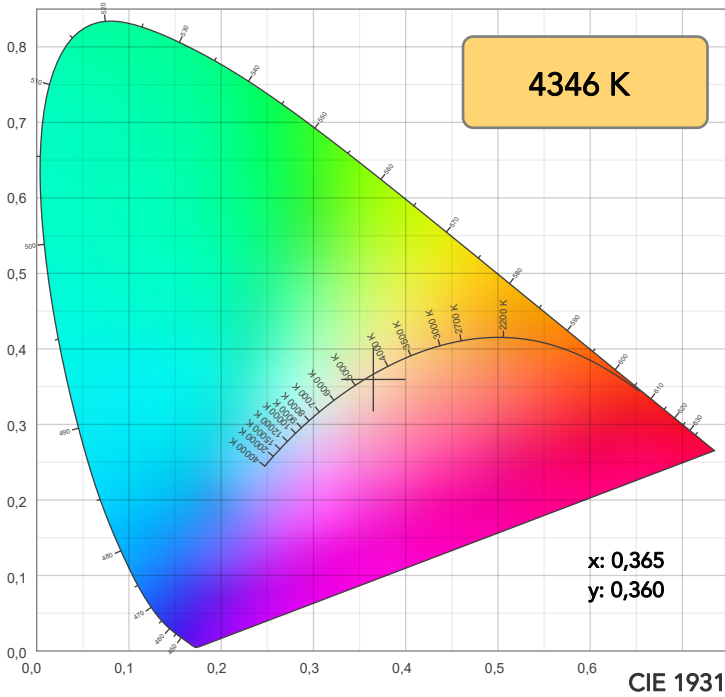
**Field angle 10%: 47,7°**

**Cut off angle 2.5%: 74°**

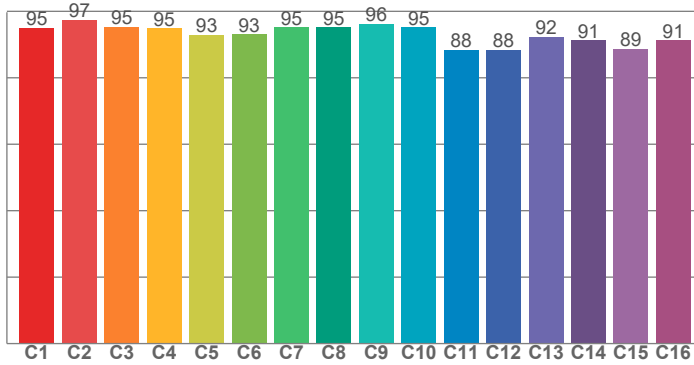
**Spectra**



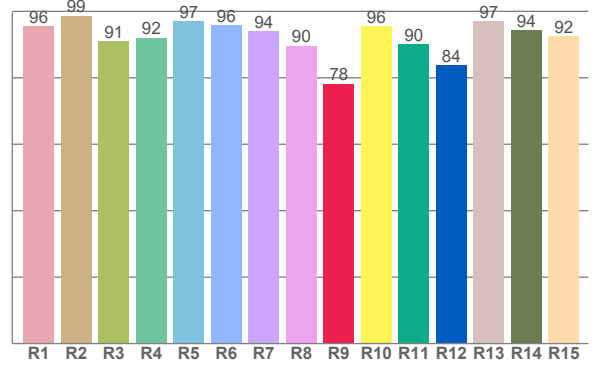
# COLOR DETAILS



**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
95,5	98,6	91,0	92,1	97,0	95,8	94,0	89,7	78,2	95,6	90,1	83,7	97,0	94,4	92,4

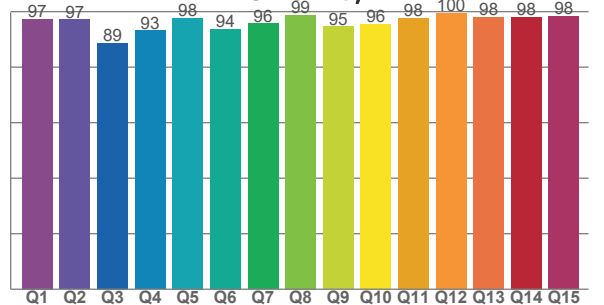
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	97,5	95,3	94,8	93,0	93,1	95,2	95,2	96,2	95,1	88,4	88,3	92,3	91,2	88,6	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	97,2	88,6	93,2	97,7	93,8	95,8	98,7	94,7	95,6	97,7	99,6	98,0	98,1	98,3

**CQS: 95,4**



## COLOR PARAMETERS

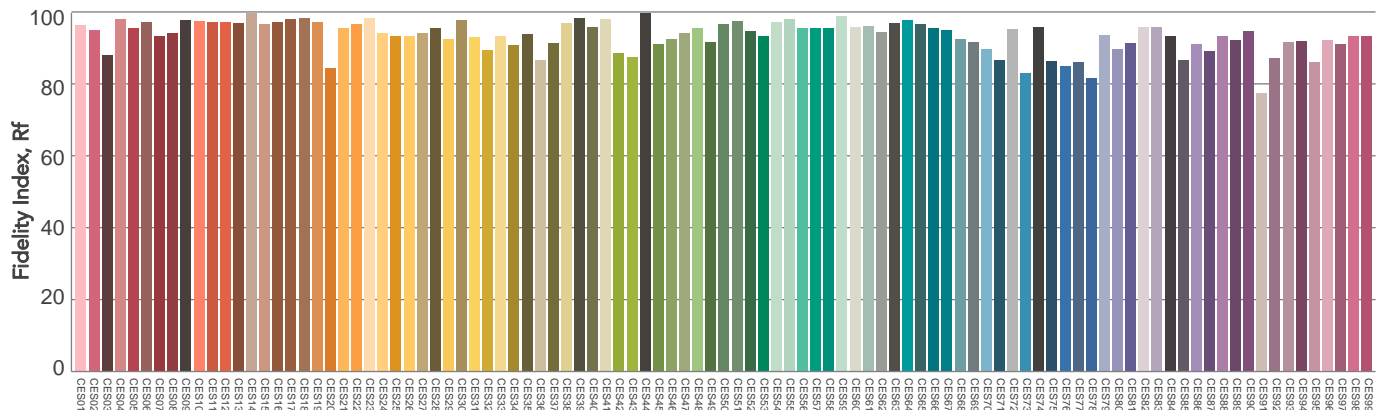
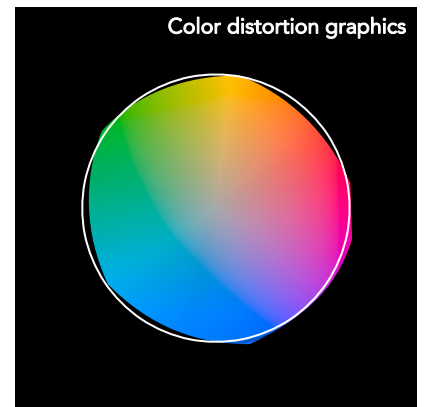
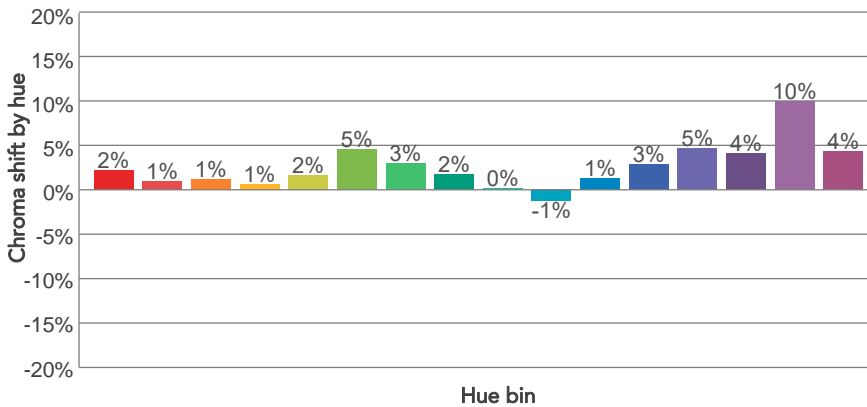
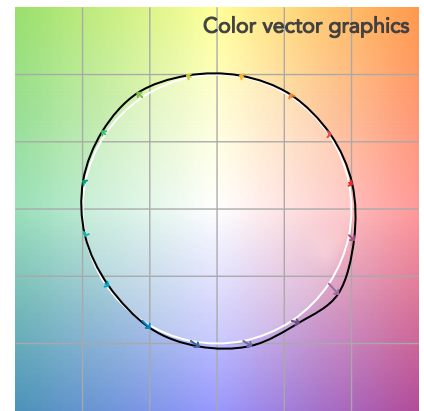
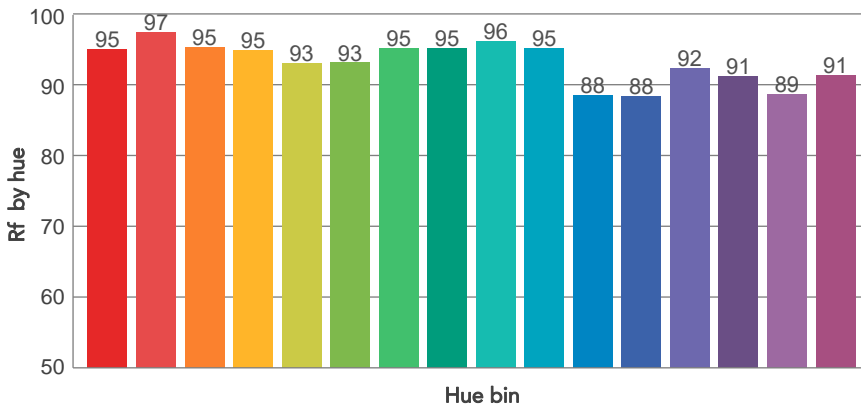
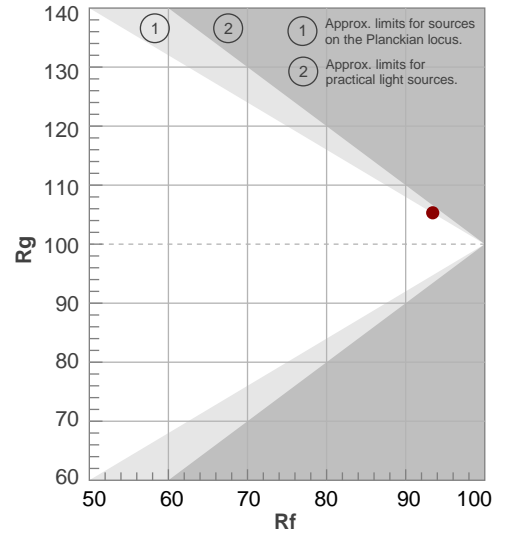
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4346 K	94,2	78,2	93,4	105,3	95,4	97	0,365	0,360	-0,0034

# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

**Rg 105,3**  
Gammut index

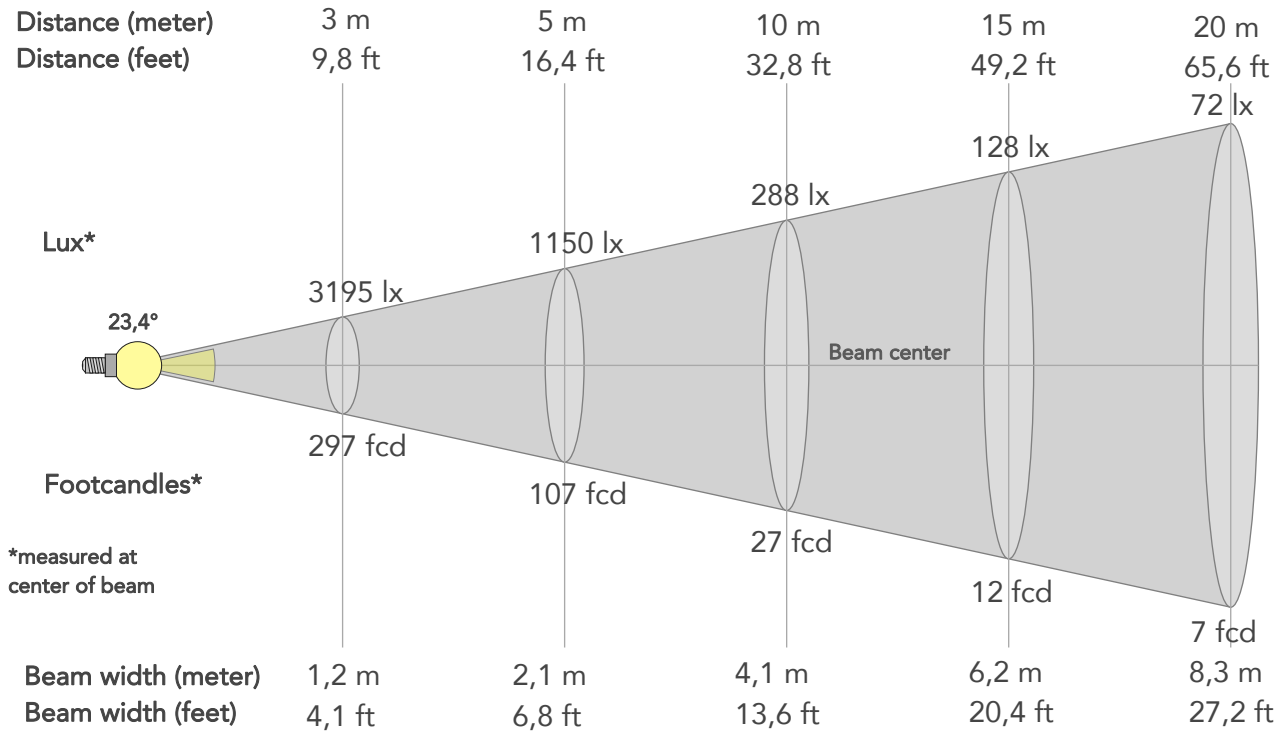
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	88	1%	7%
12	88	3%	6%
13	92	5%	5%
14	91	4%	3%
15	89	10%	-2%
16	91	4%	-3%



# BEAM DETAILS



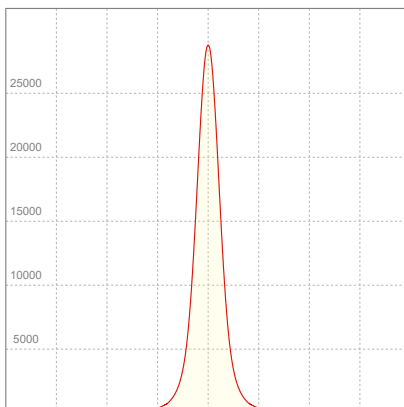
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,7°	74°	96,9%	92,0%



## 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	28755lx	7189lx	3195lx	1797lx	1150lx	511lx	288lx	128lx	72lx	46lx	32lx	18lx	12lx
Footcand.	2671fcd	668fcd	297fcd	167fcd	107fcd	47fcd	27fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

## LINEAR DISTRIBUTION DIAGRAM

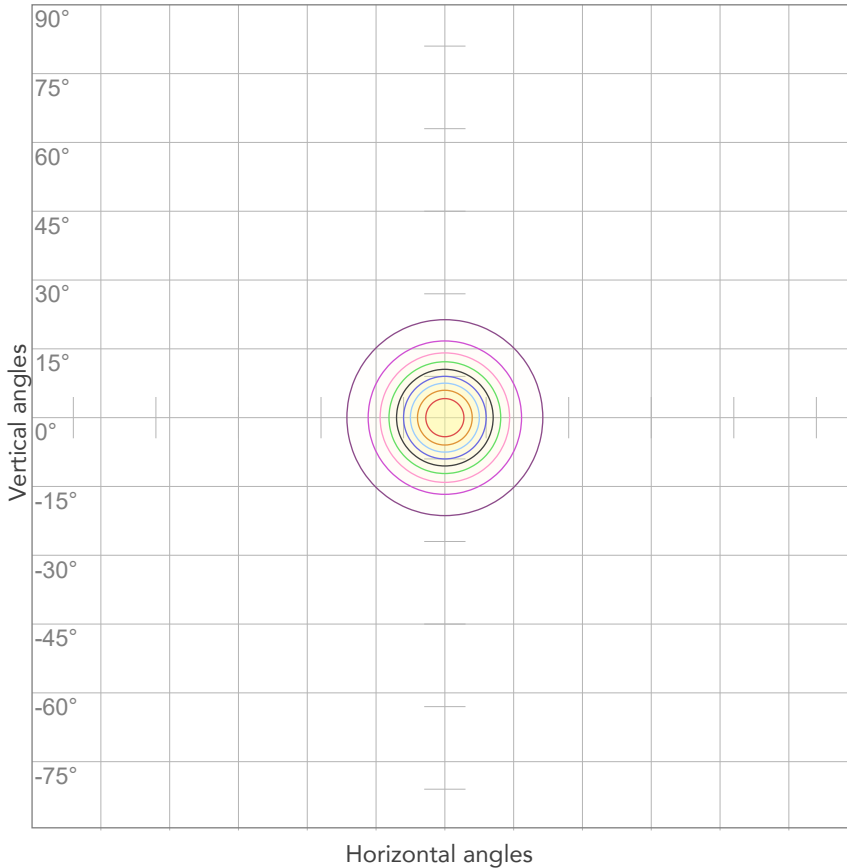


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,580A	127,7W	0,97	57lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



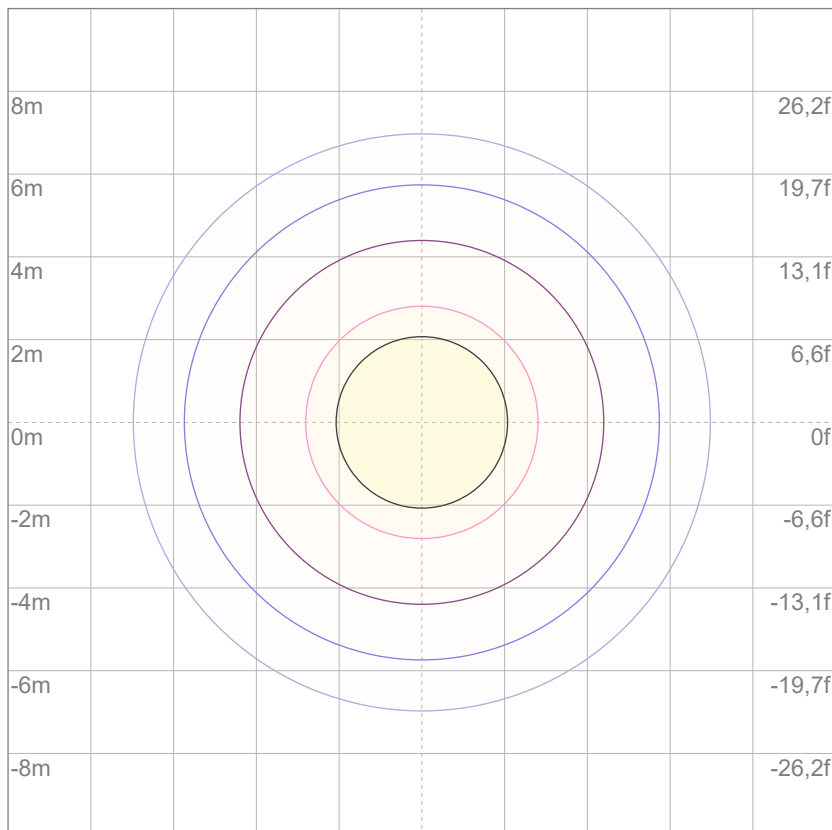
10%	2876 cd
20%	5751 cd
30%	8627 cd
40%	11502 cd
50%	14378 cd
60%	17253 cd
70%	20129 cd
80%	23004 cd

Conditions:

Number of c-planes: 2

Candela at center: 28755 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	8,63 lx
5%	14,4 lx
10%	28,8 lx
30%	86,3 lx
50%	144 lx

Conditions:

Number of c-planes: 2

Lux at center: 288 lx

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



Total lumen output:

7159 lm

Peak candela output:

9050 cd

Light quality:

CRI: 94,2

Color temperature:

4362 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 40° Filter**

**Target:**

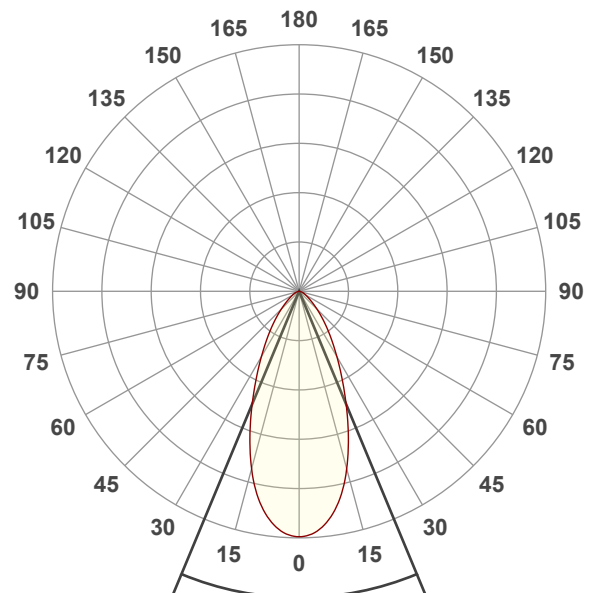
**Full On**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:48:08**

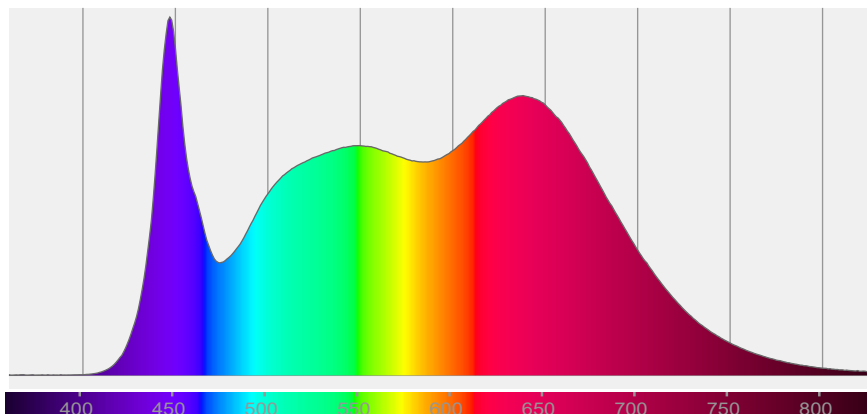


**Beam angle 50%: 45,2°**

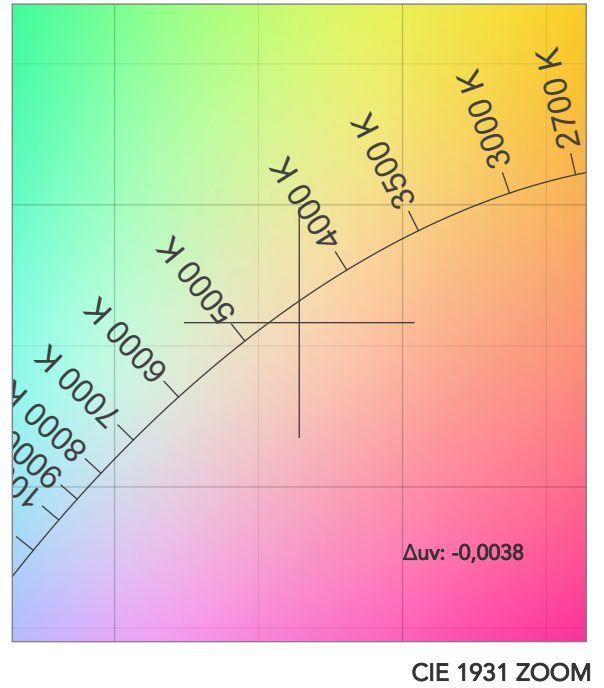
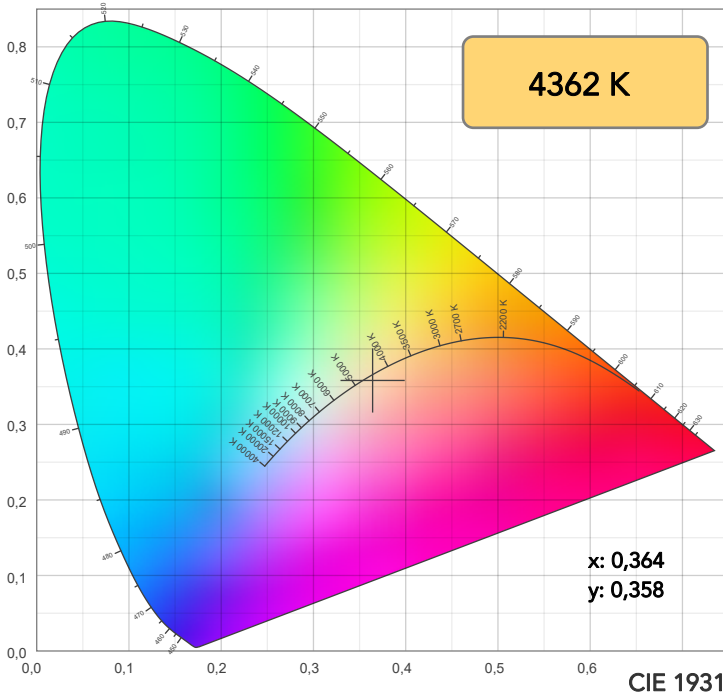
**Field angle 10%: 90,8°**

**Cut off angle 2.5%: 127°**

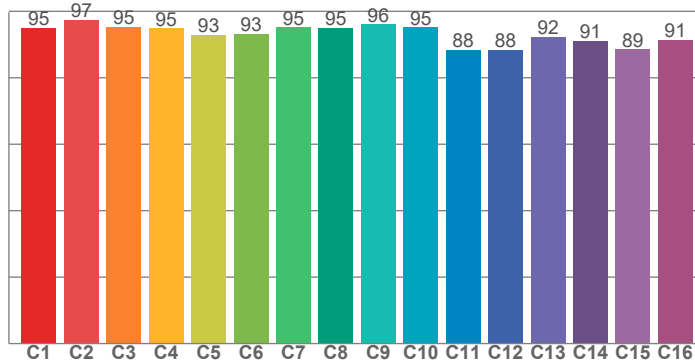
**Spectra**



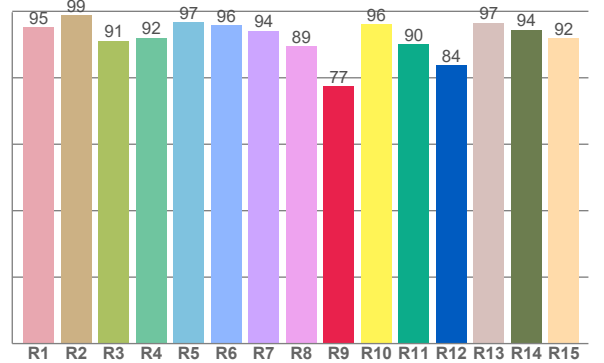
# COLOR DETAILS



**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

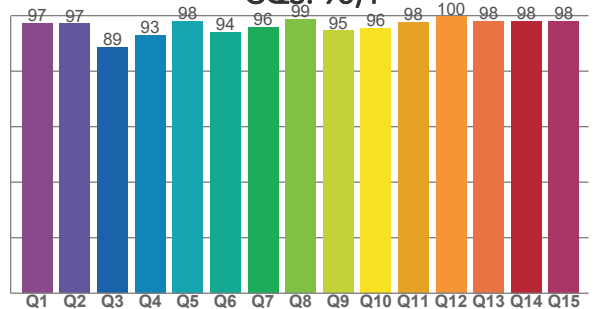
TM30 C values, 16 binned values out of total of 99 C values

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

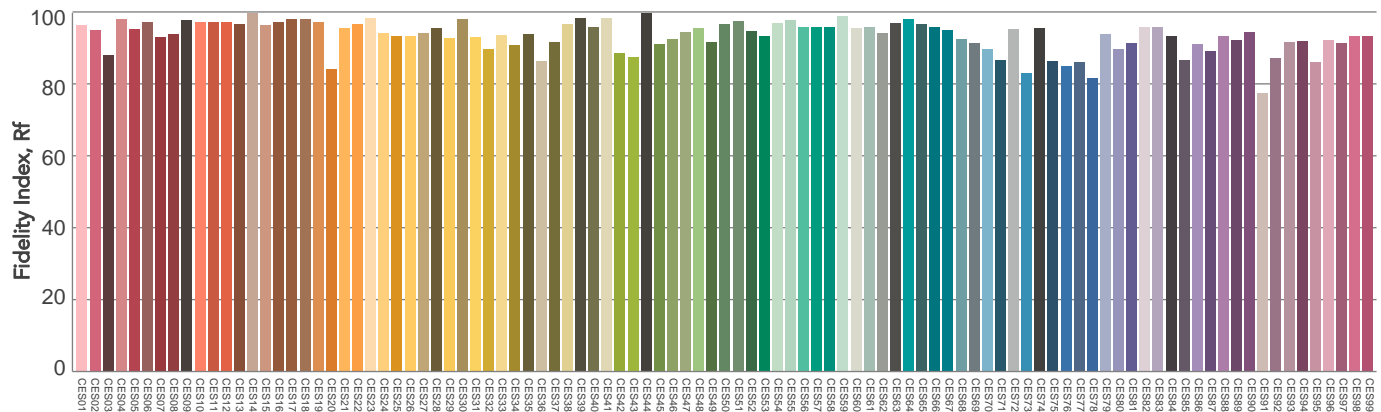
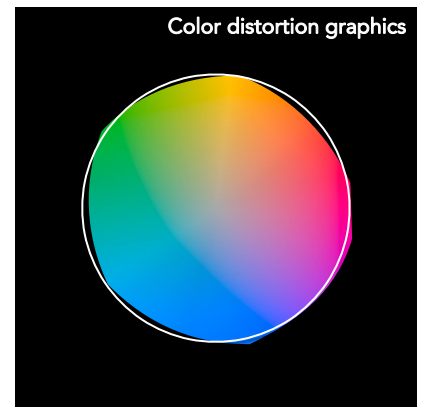
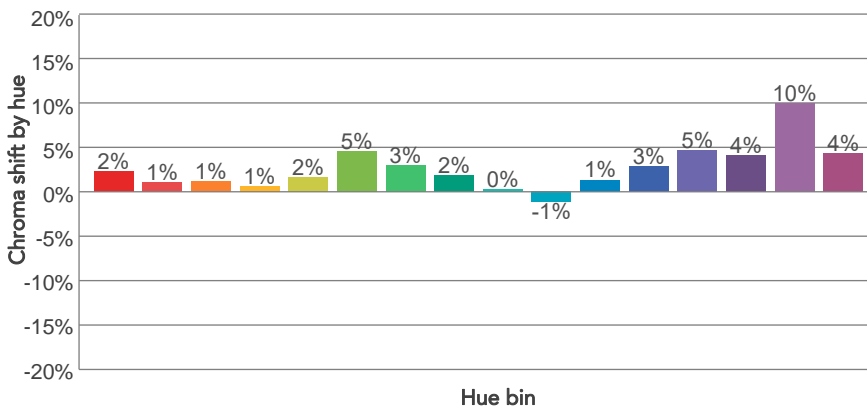
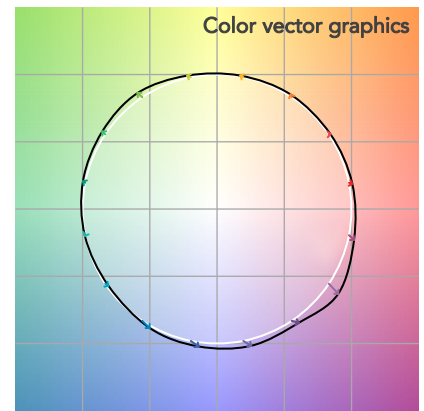
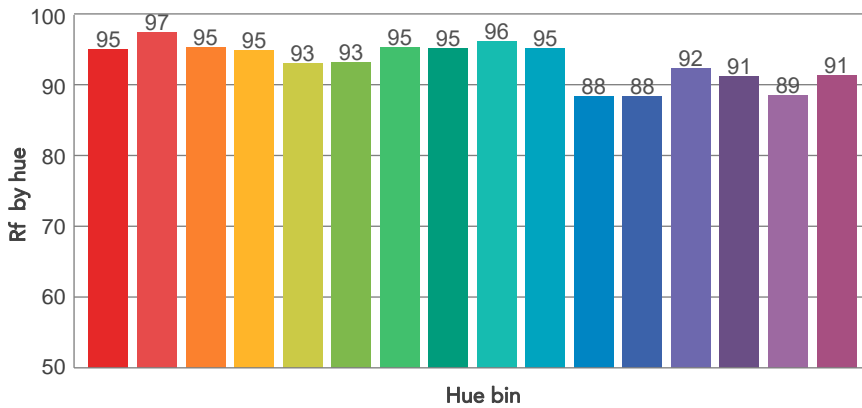
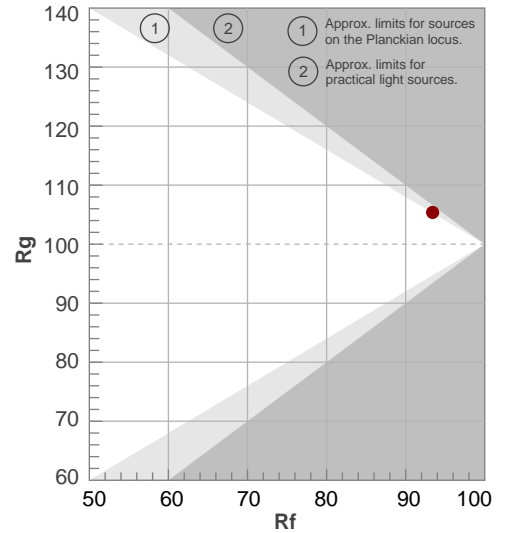


# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

**Rg 105,4**  
Gammut index

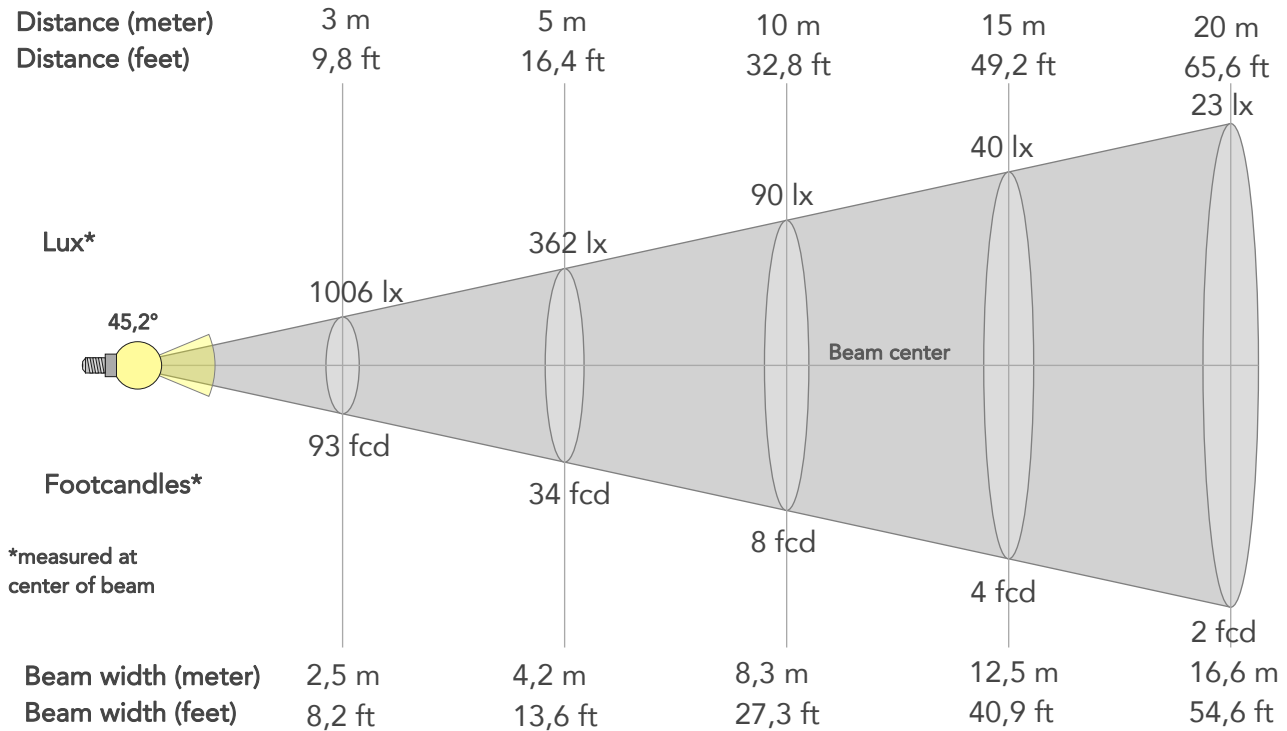
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	3%
11	88	1%	7%
12	88	3%	6%
13	92	5%	5%
14	91	4%	4%
15	89	10%	-2%
16	91	4%	-3%



# BEAM DETAILS



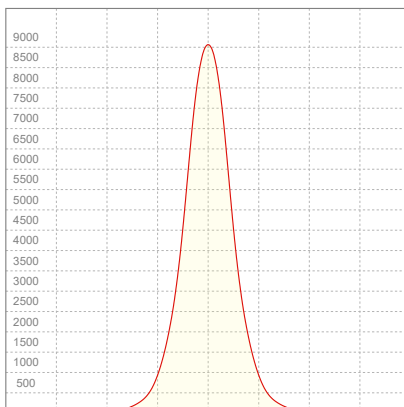
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127°	95,4%	85,8%



## 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	9050lx	2262lx	1006lx	566lx	362lx	161lx	90lx	40lx	23lx	14lx	10lx	6lx	4lx
Footcand.	841fcd	210fcd	93fcd	53fcd	34fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	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

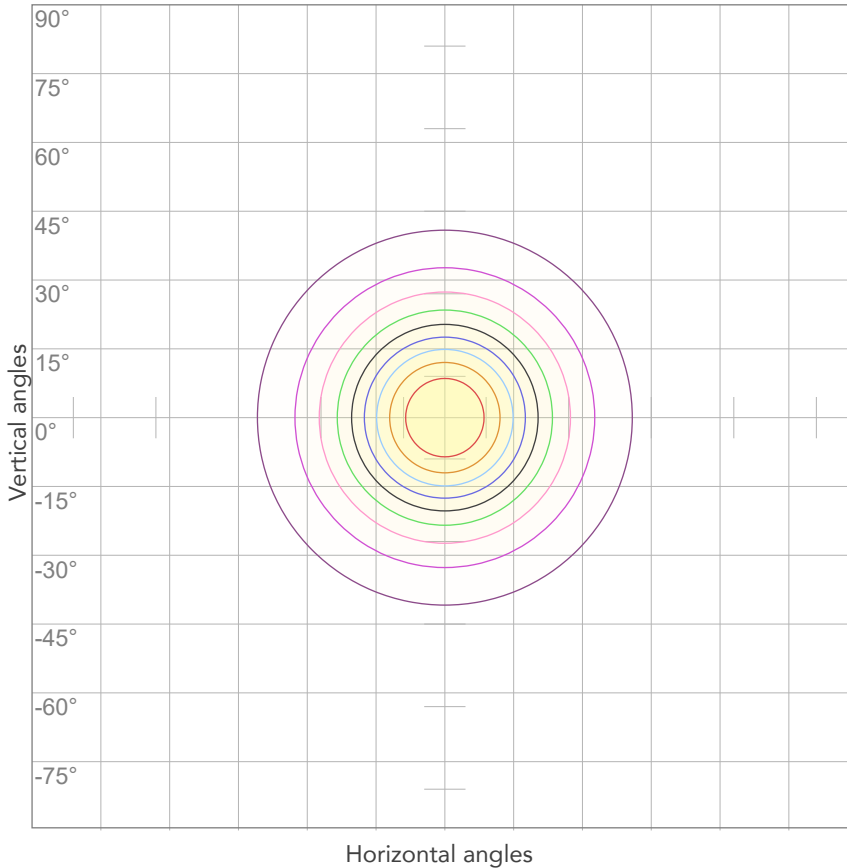


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,577A	126,9W	0,97	56lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



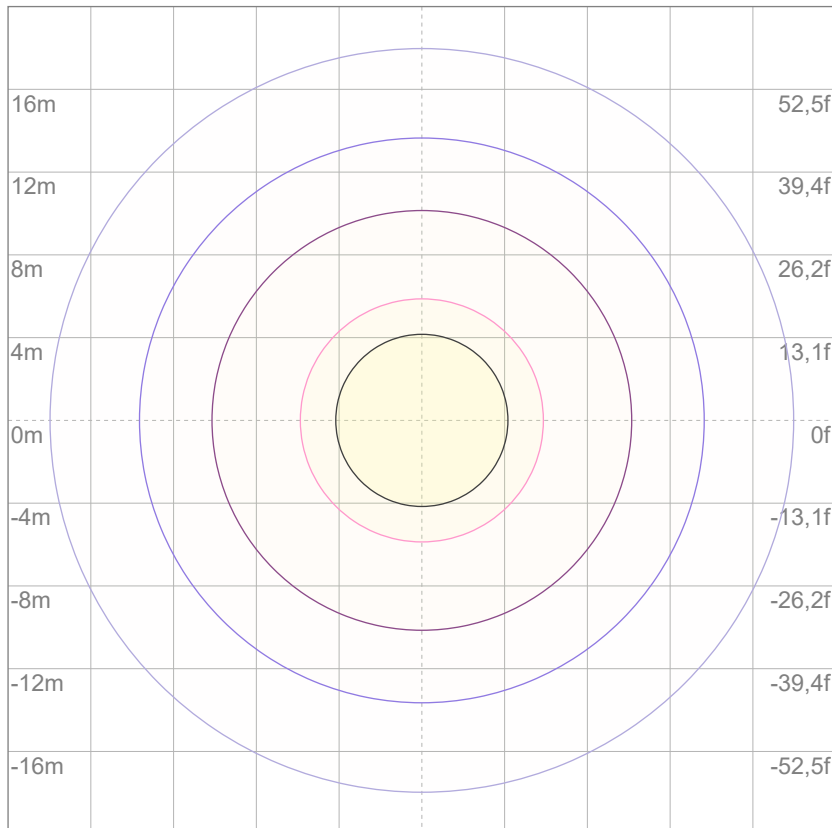
10%	905 cd
20%	1810 cd
30%	2715 cd
40%	3620 cd
50%	4525 cd
60%	5430 cd
70%	6335 cd
80%	7240 cd

Conditions:

Number of c-planes: 2

Candela at center: 9050 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,71 lx
5%	4,52 lx
10%	9,05 lx
30%	27,1 lx
50%	45,2 lx

Conditions:

Number of c-planes: 2

Lux at center: 90,5 lx

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



Total lumen output:

7102 lm

Peak candela output:

6397 cd

Light quality:

CRI: 94,2

Color temperature:

4361 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

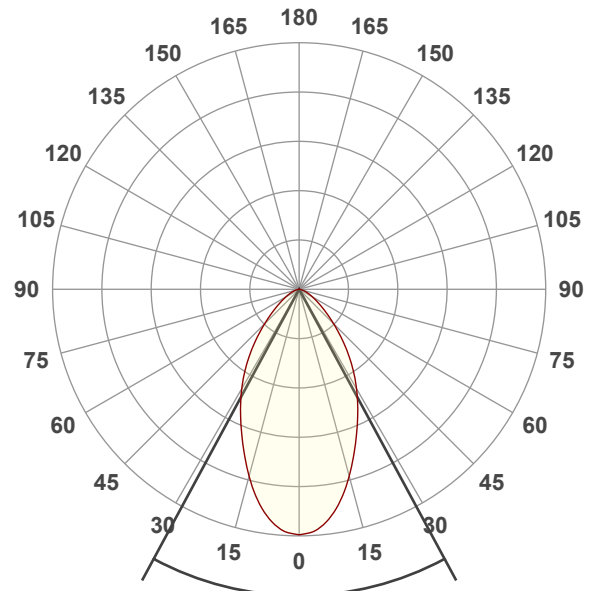
Full On

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:26:54

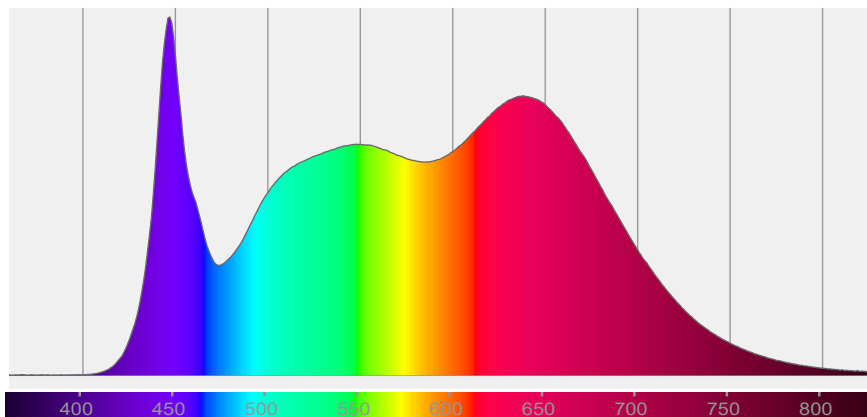


Beam angle 50%: 56,7°

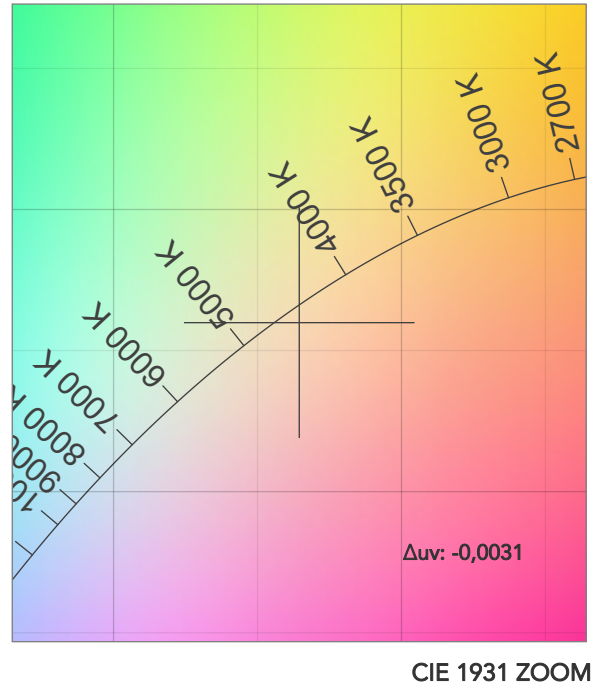
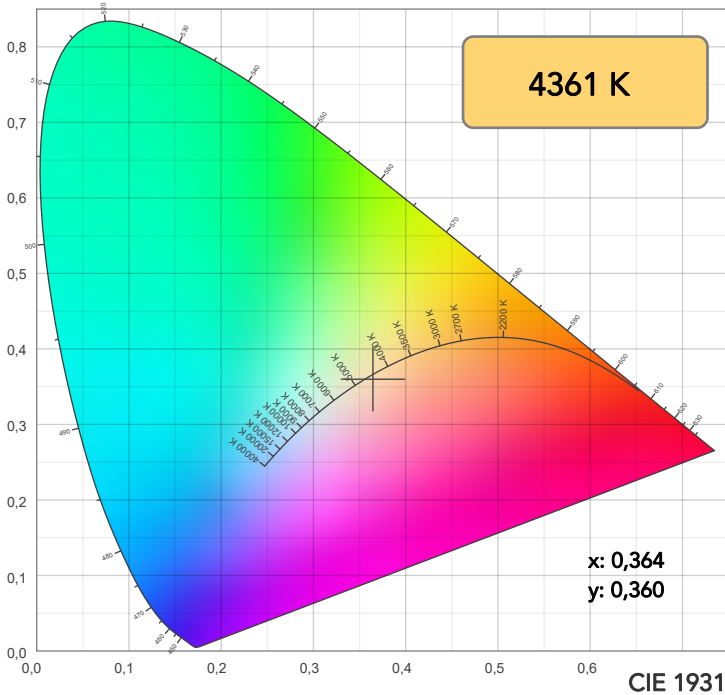
Field angle 10%: 108,3°

Cut off angle 2.5%: 142,3°

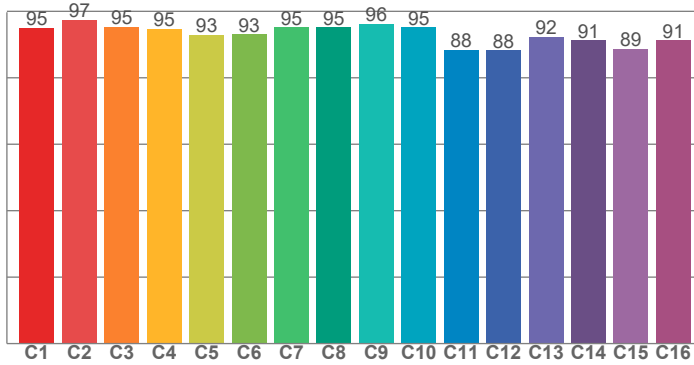
**Spectra**



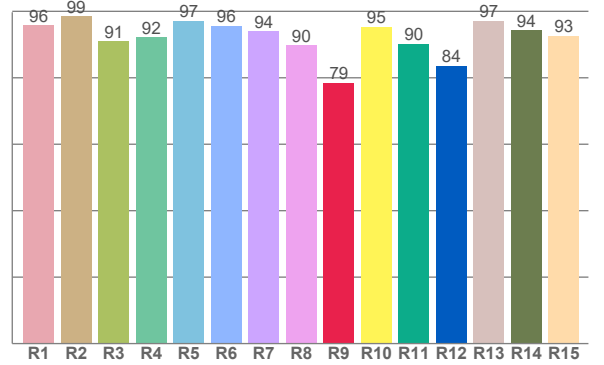
# COLOR DETAILS



**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

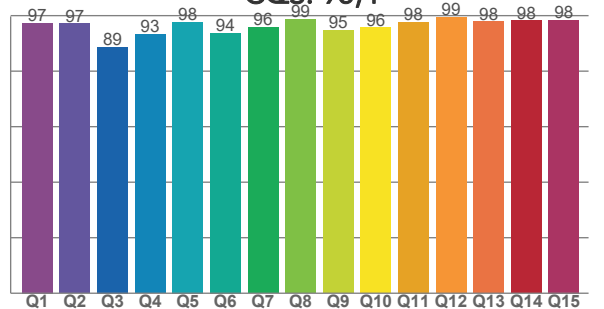
TM30 C values, 16 binned values out of total of 99 C values

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

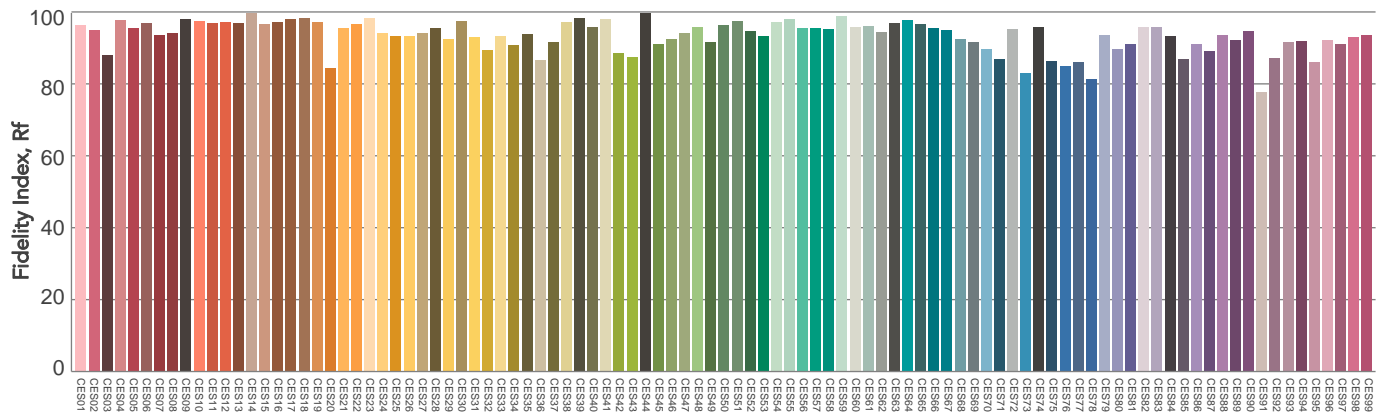
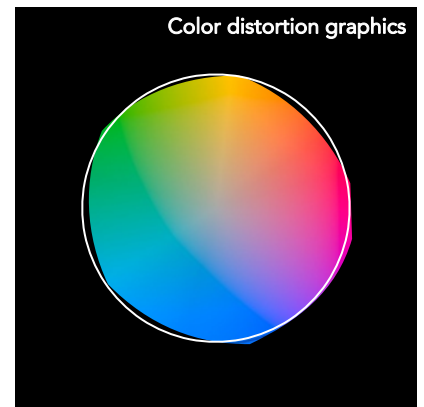
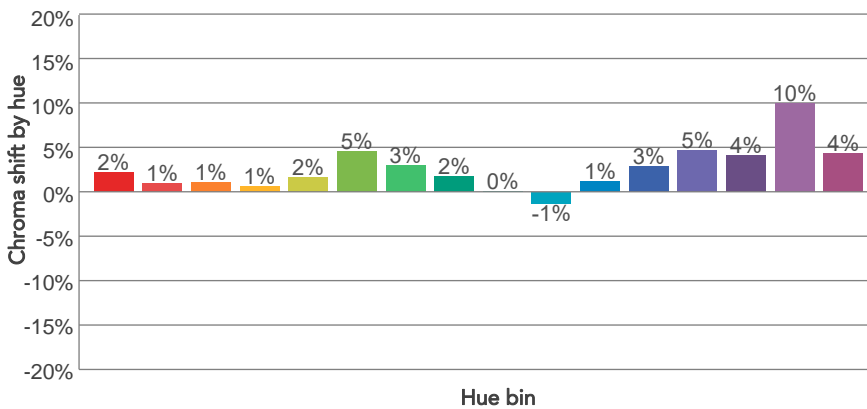
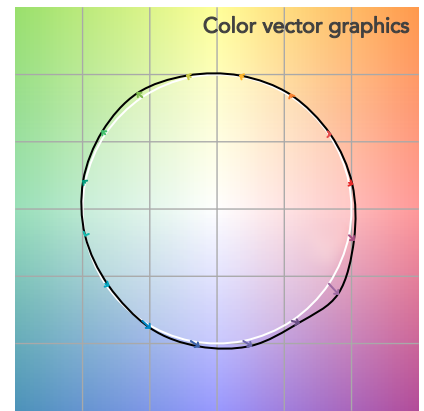
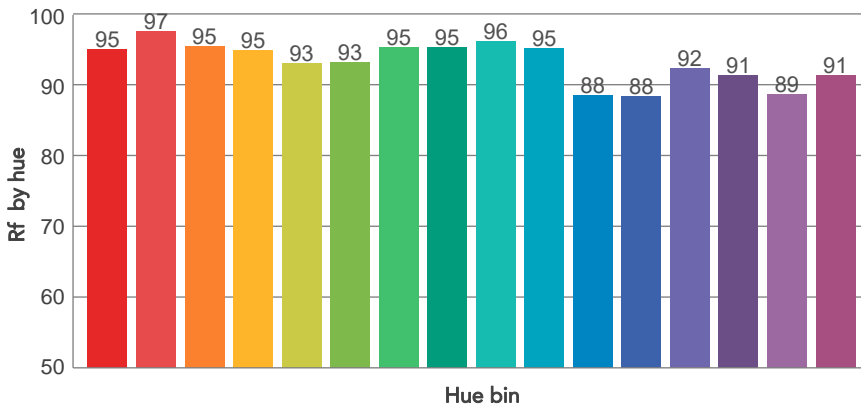
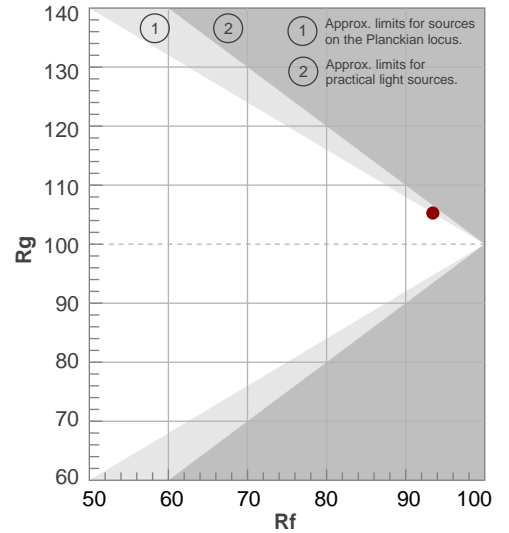
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4361 K	94,2	78,5	93,4	105,3	95,4	97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

# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

**Rg 105,3**  
Gammut index

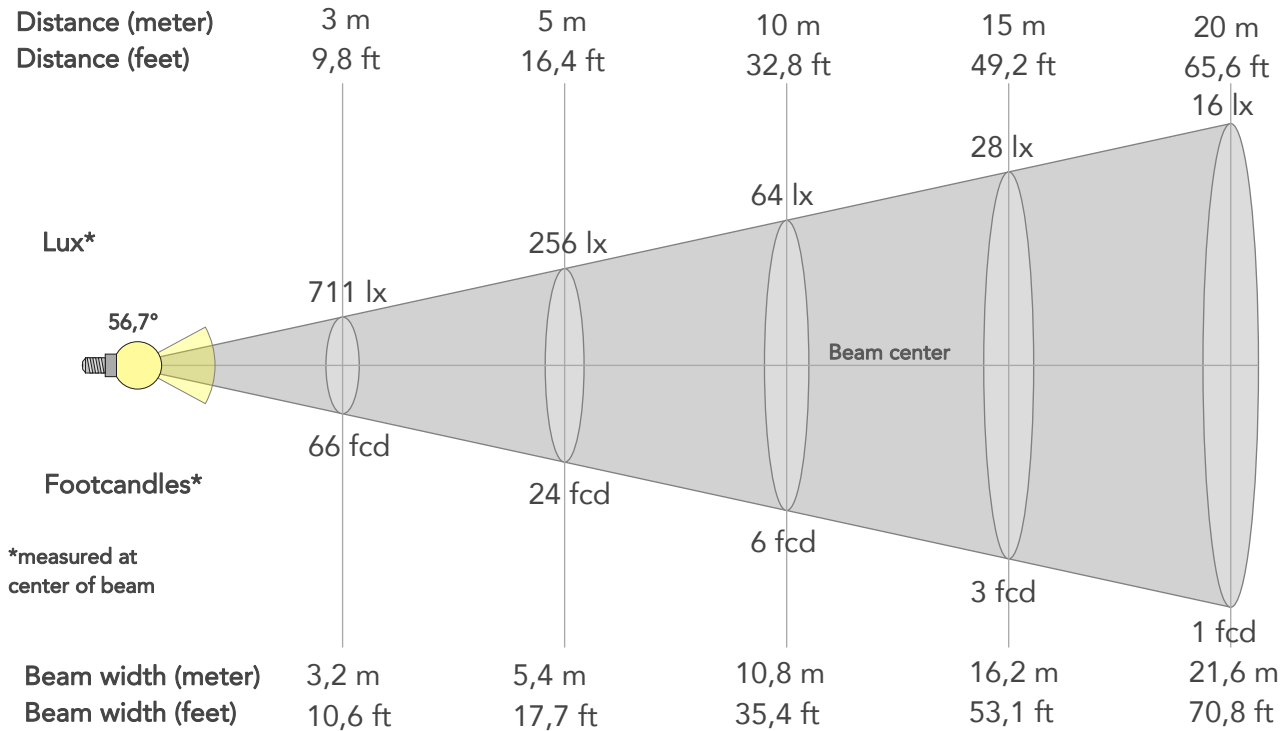
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	-1%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	2%
11	88	1%	7%
12	88	3%	6%
13	92	5%	5%
14	91	4%	3%
15	89	10%	-2%
16	91	4%	-3%



# BEAM DETAILS



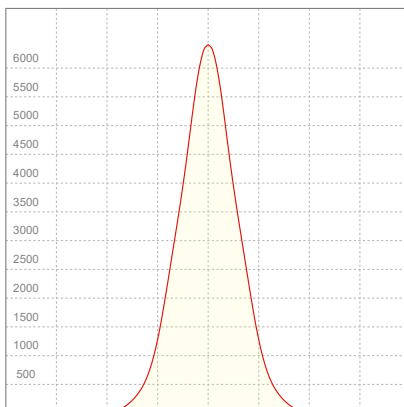
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	108,3°	142,3°	93,9%	80,2%



## 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	6397lx	1599lx	711lx	400lx	256lx	114lx	64lx	28lx	16lx	10lx	7lx	4lx	3lx
Footcand.	594fcd	149fcd	66fcd	37fcd	24fcd	11fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	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

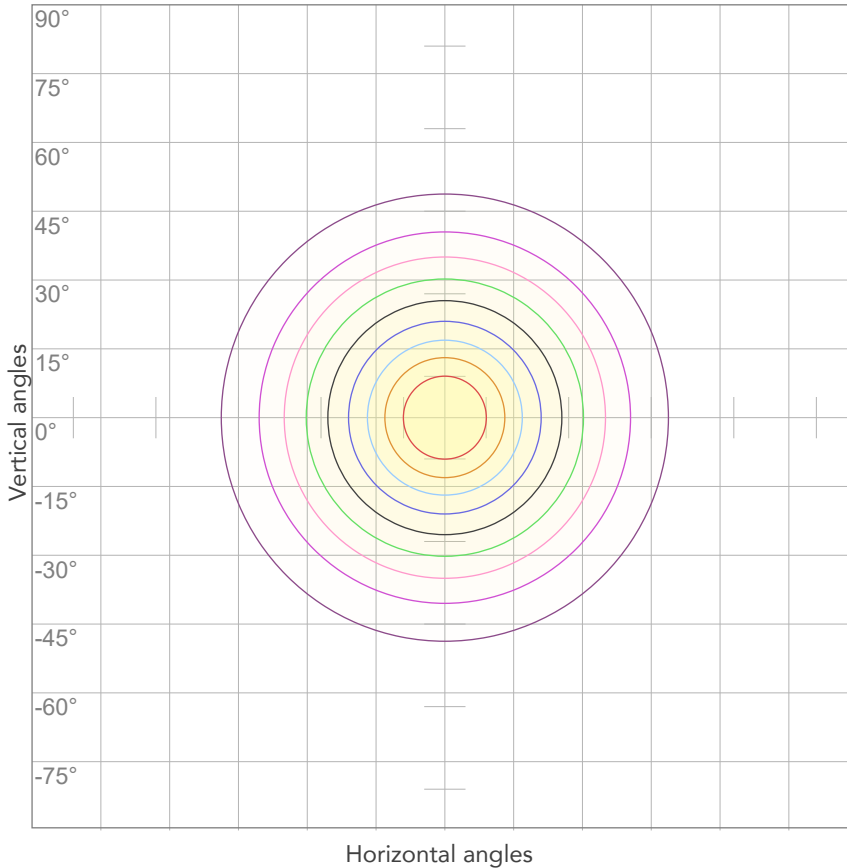


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,584A	128,1W	0,97	55lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



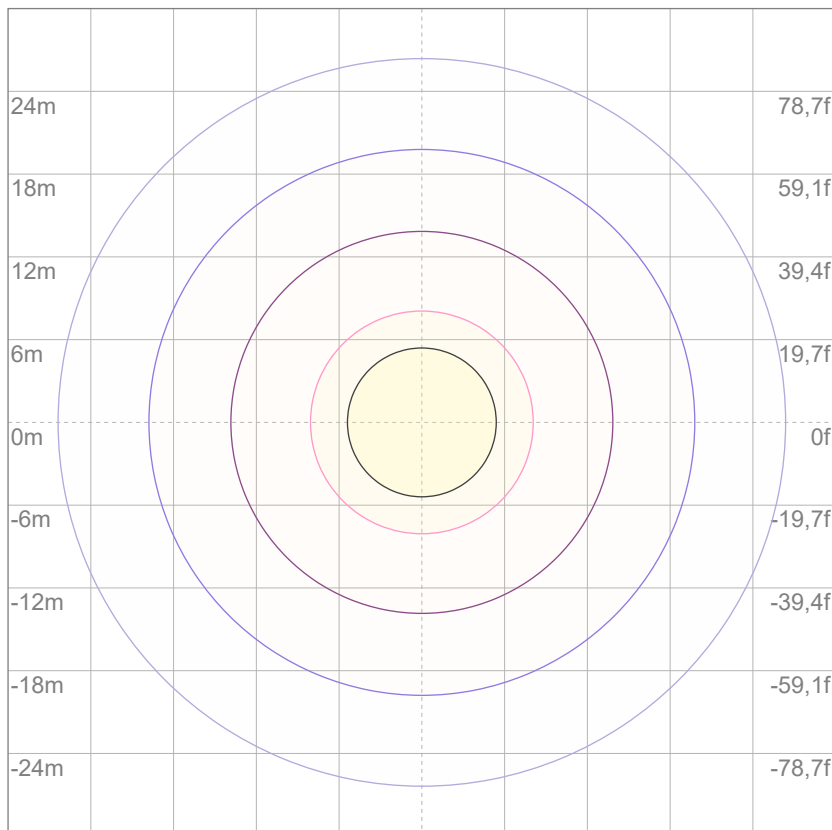
10%	640 cd
20%	1279 cd
30%	1919 cd
40%	2559 cd
50%	3198 cd
60%	3838 cd
70%	4478 cd
80%	5118 cd

Conditions:

Number of c-planes: 2

Candela at center: 6397 cd

## ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 2

Lux at center: 64,0 lx

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





Total lumen output:

10473 lm

Peak candela output:

21851 cd

Light quality:

CRI: 94,1

Color temperature:

4329 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 10°x60° Filter

**Target:**

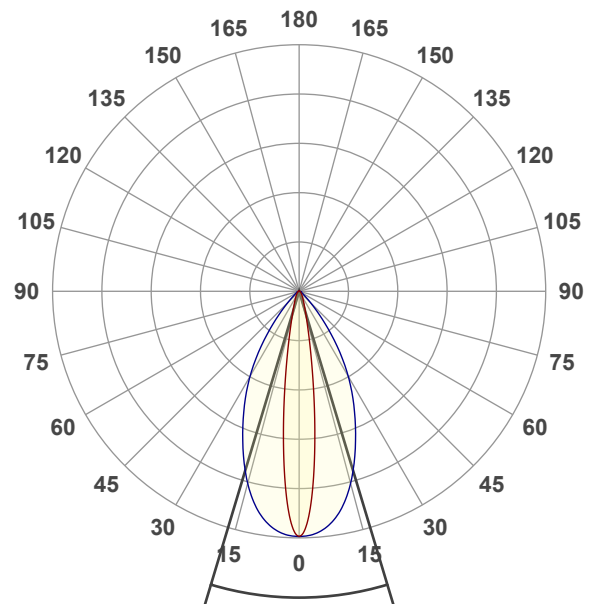
Full On

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 15:52:43

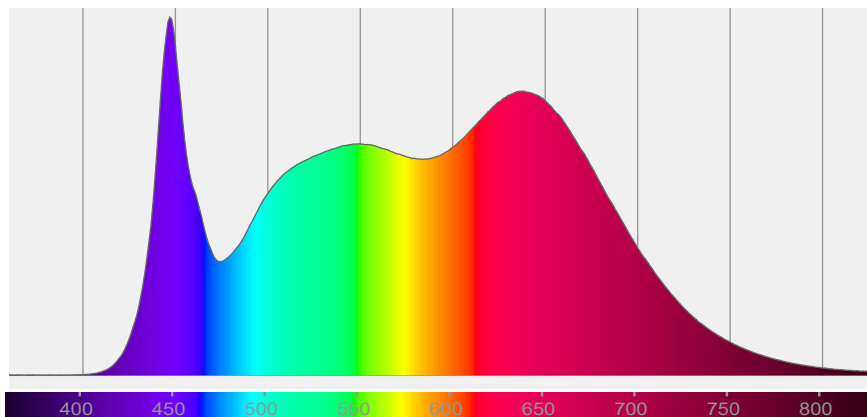


Beam angle 50%: 33,5°

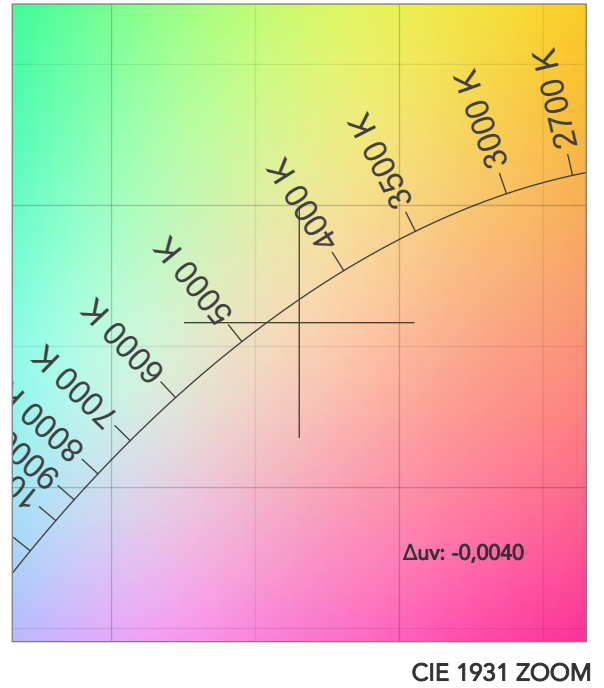
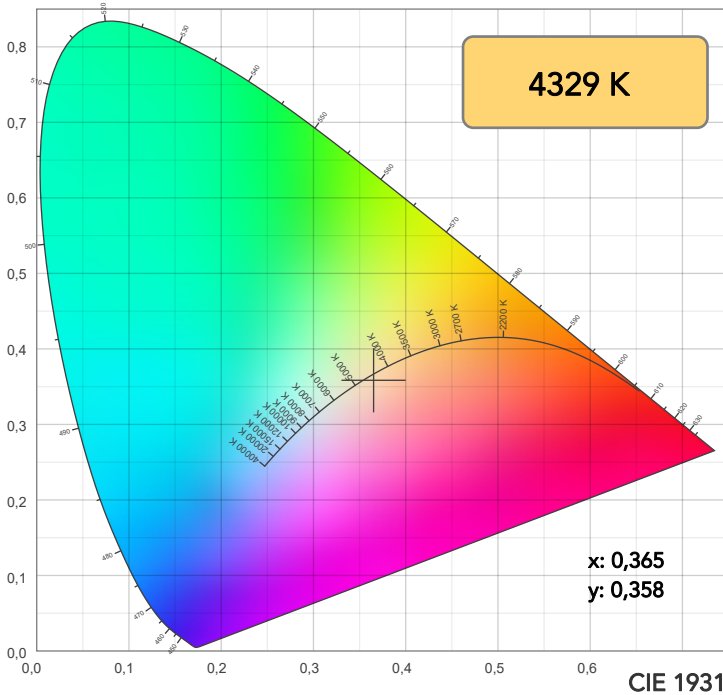
Field angle 10%: 58,4°

Cut off angle 2.5%: 84,2°

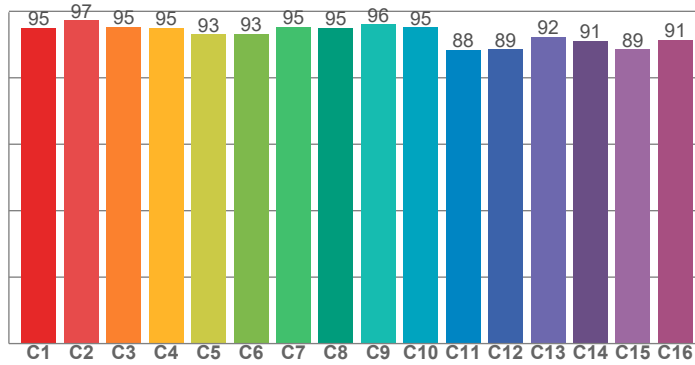
**Spectra**



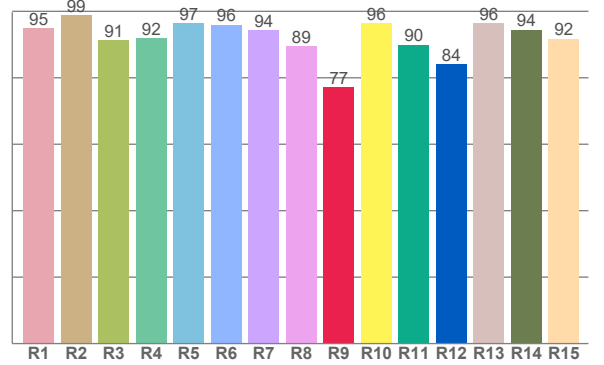
# COLOR DETAILS



**TM30: 93,4**



**CRI: 94,1 (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
95,0	98,8	91,3	92,0	96,5	96,0	94,2	89,4	77,1	96,4	89,9	84,0	96,4	94,5	91,7

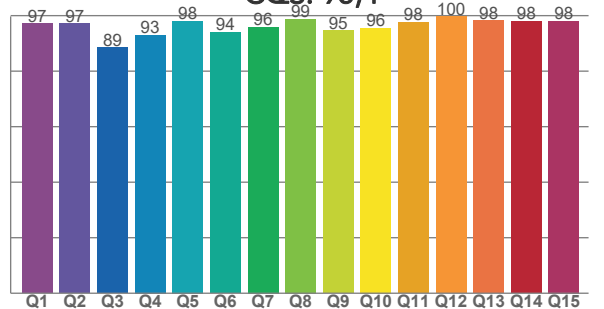
TM30 C values, 16 binned values out of total of 99 C values

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

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	98,1	94,0	95,8	98,7	94,6	95,6	97,6	99,7	98,2	98,0	98,1

**CQS: 95,4**



## COLOR PARAMETERS

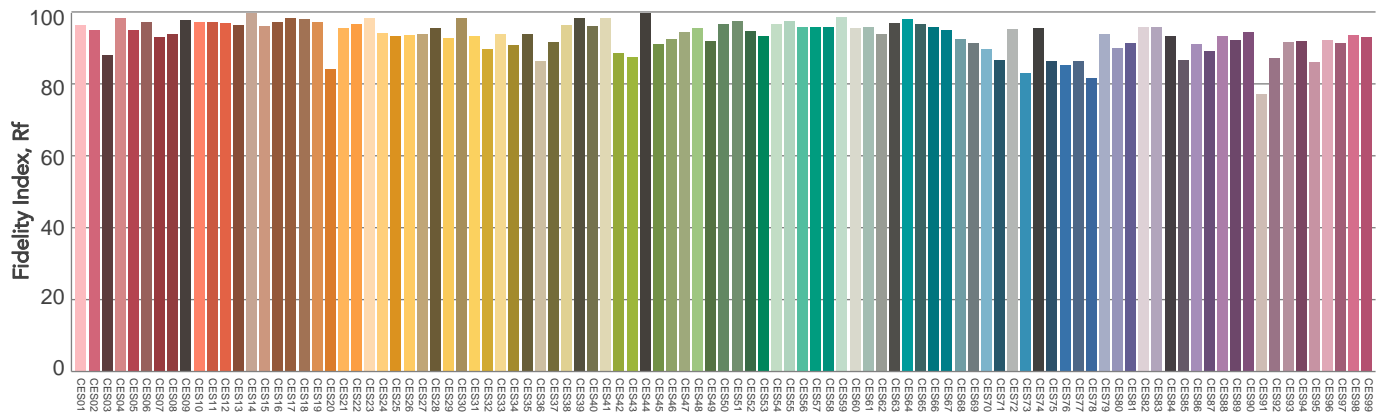
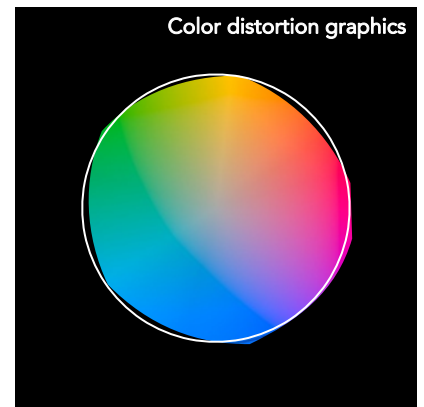
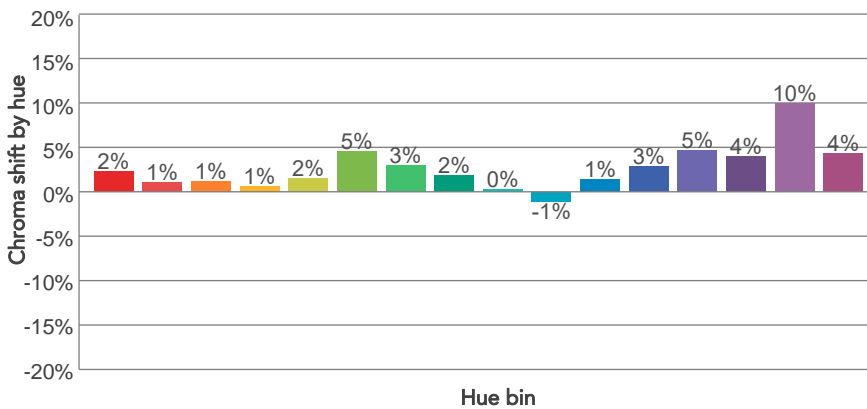
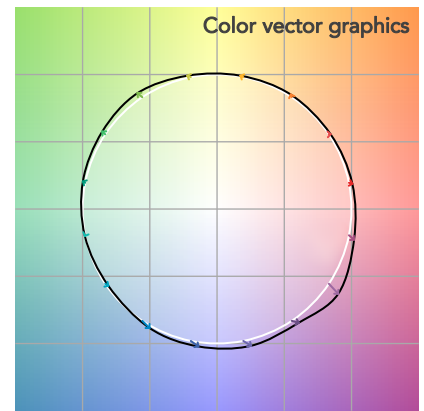
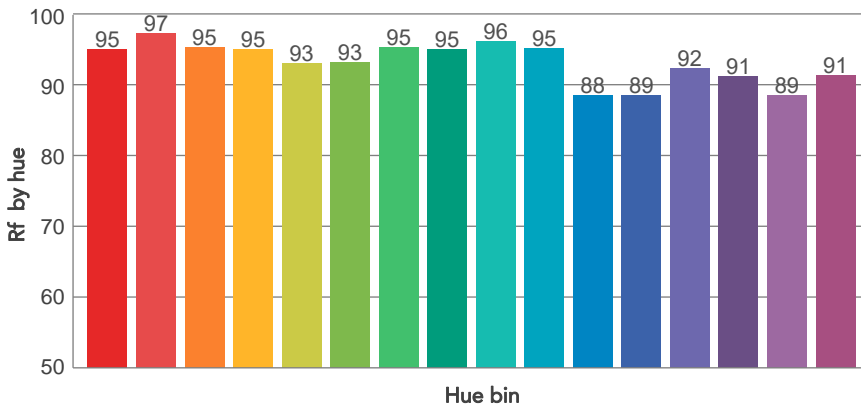
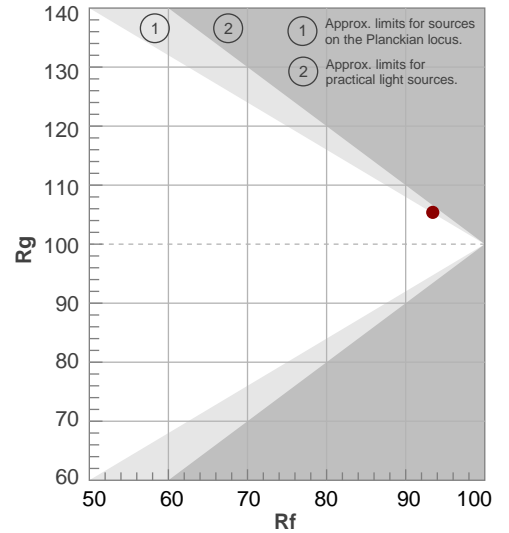
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4329 K	94,1	77,1	93,4	105,4	95,4	97	0,365	0,358	-0,0040

# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

**Rg 105,4**  
Gammut index

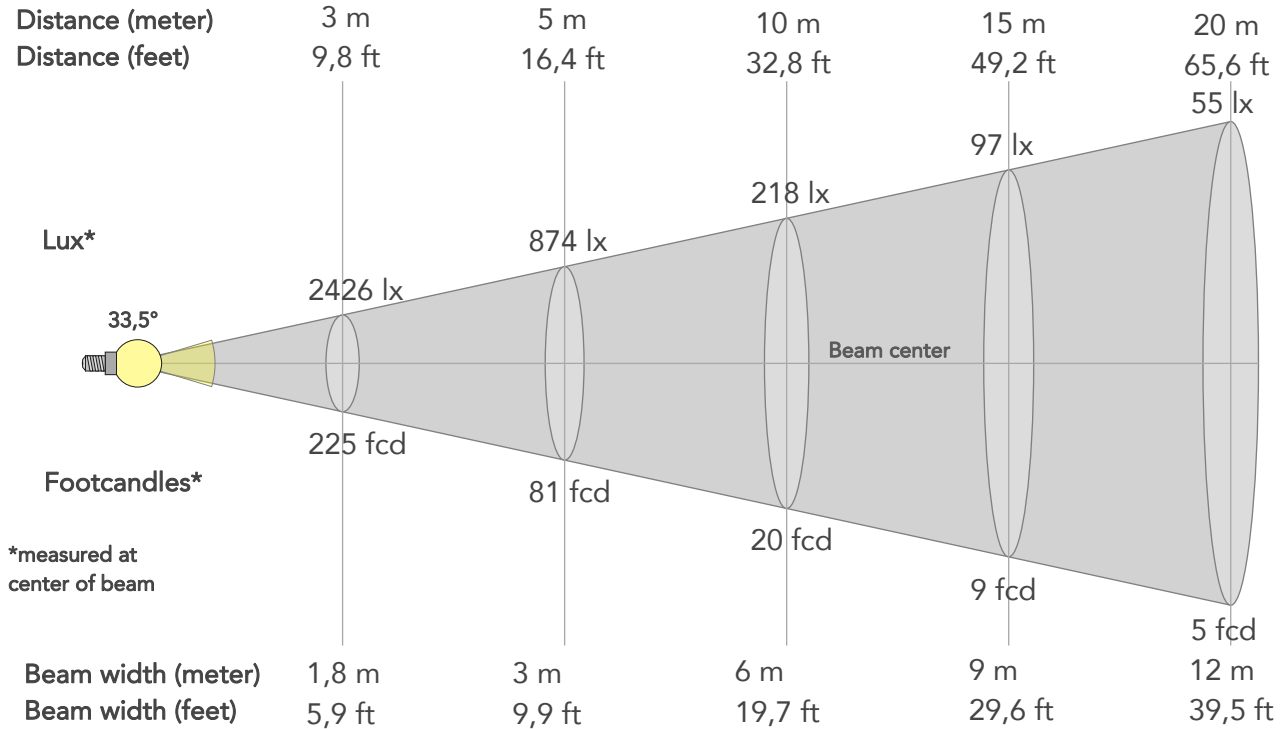
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	95	1%	2%
4	95	1%	2%
5	93	2%	2%
6	93	5%	1%
7	95	3%	0%
8	95	2%	-1%
9	96	0%	0%
10	95	-1%	3%
11	88	1%	7%
12	89	3%	6%
13	92	5%	5%
14	91	4%	4%
15	89	10%	-2%
16	91	4%	-2%



# BEAM DETAILS



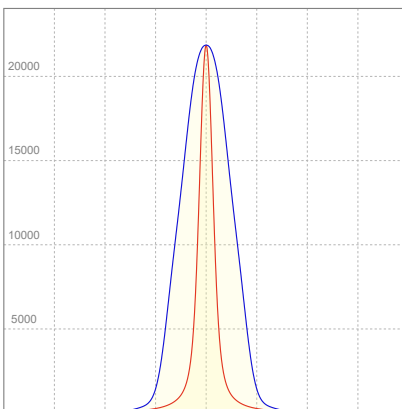
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	58,4°	84,2°	97,5%	92,4%



## 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	21838lx	5459lx	2426lx	1365lx	874lx	388lx	218lx	97lx	55lx	35lx	24lx	14lx	9lx
Footcand.	2029fcd	507fcd	225fcd	127fcd	81fcd	36fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24,1m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,7ft	29,6ft	39,5ft	49,3ft	59,2ft	78,9ft	98,6ft

## LINEAR DISTRIBUTION DIAGRAM

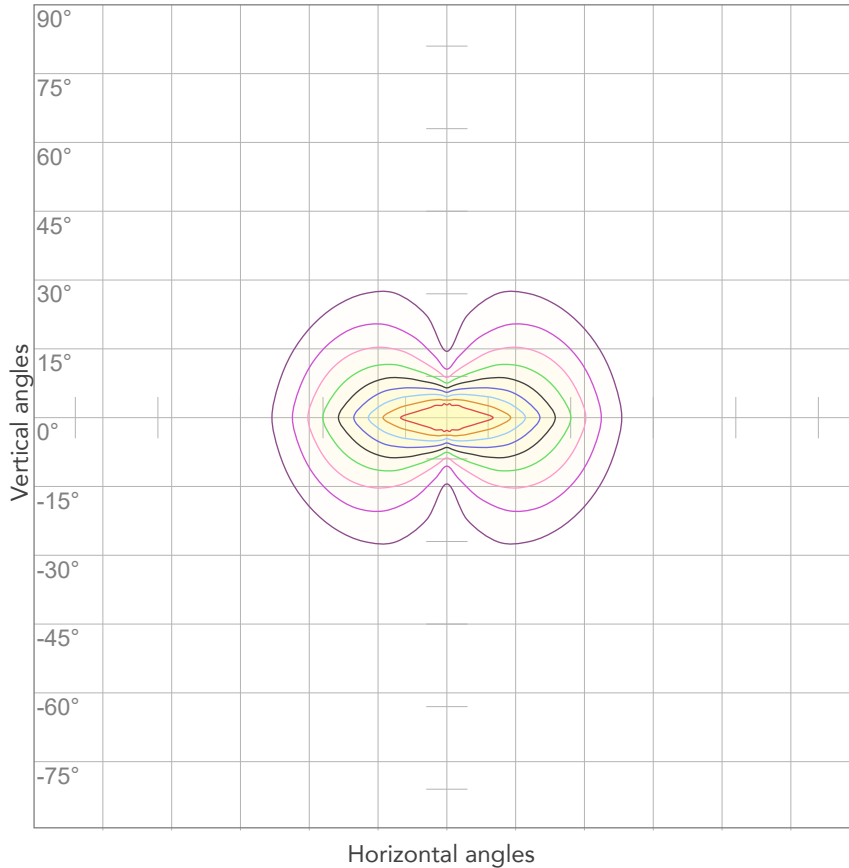


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,579A	126,6W	0,97	83lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



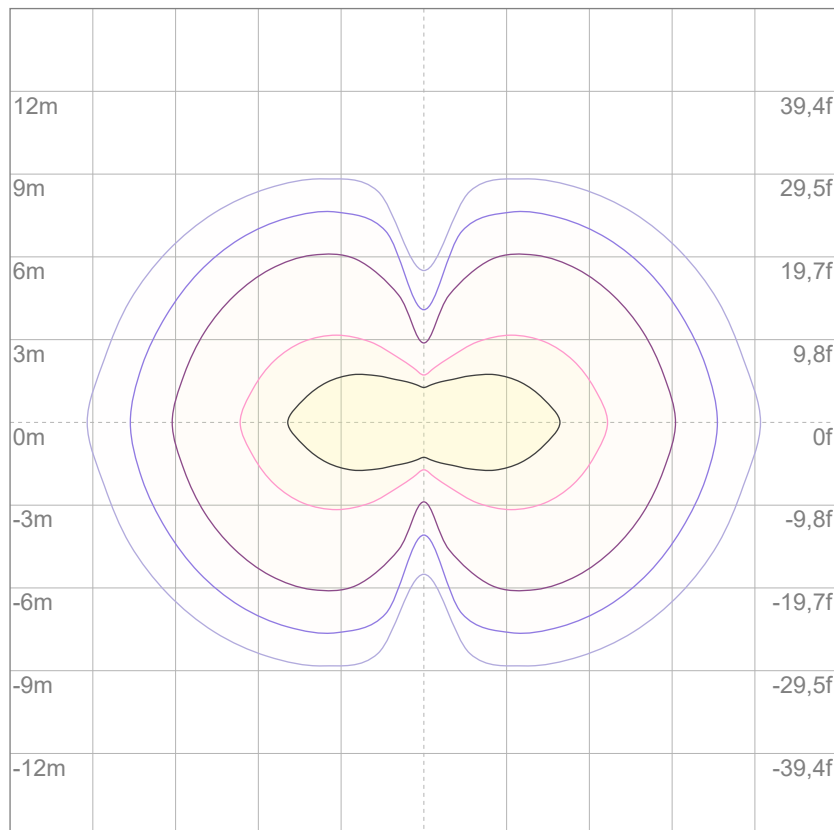
10%	2184 cd
20%	4368 cd
30%	6551 cd
40%	8735 cd
50%	10919 cd
60%	13103 cd
70%	15286 cd
80%	17470 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 21838 cd

## ISO LUX DIAGRAM



3%	6,55 lx
5%	10,9 lx
10%	21,8 lx
30%	65,5 lx
50%	109 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 218 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:

7709 lm

Peak candela output:

11229 cd

Light quality:

CRI: 94,1

Color temperature:

4350 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 30°x60° Filter**

**Target:**

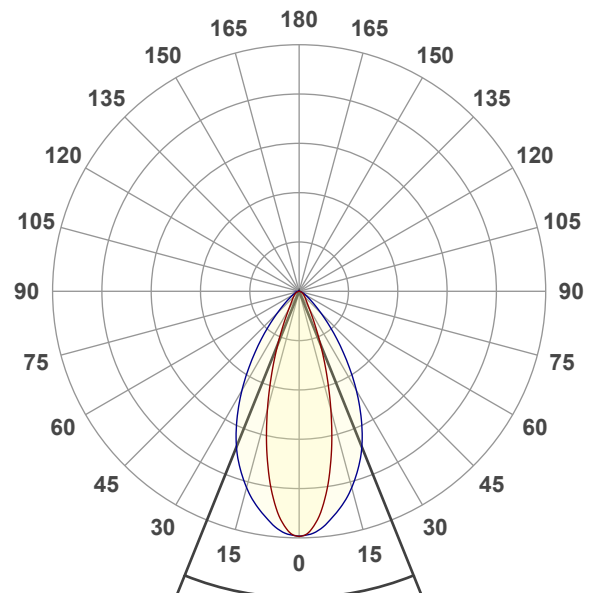
**Full On**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 16:42:11**

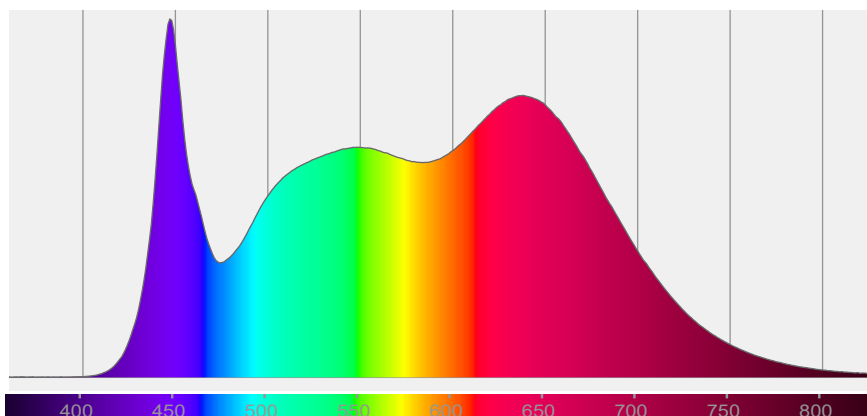


**Beam angle 50%: 43,9°**

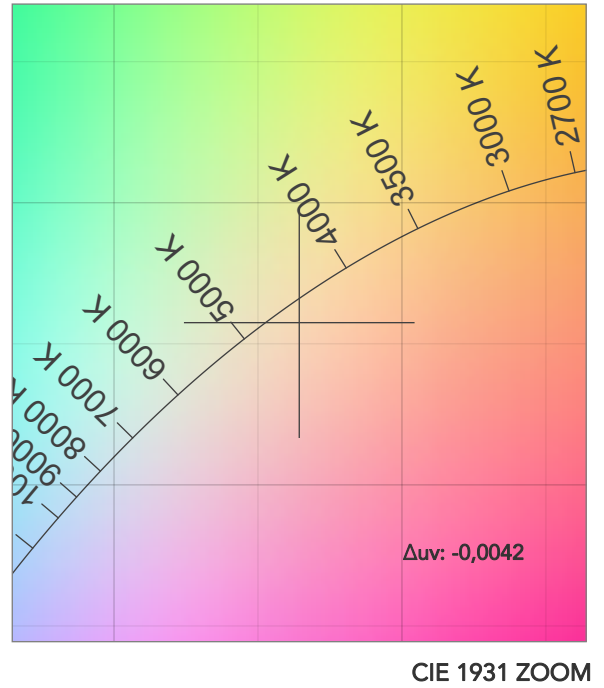
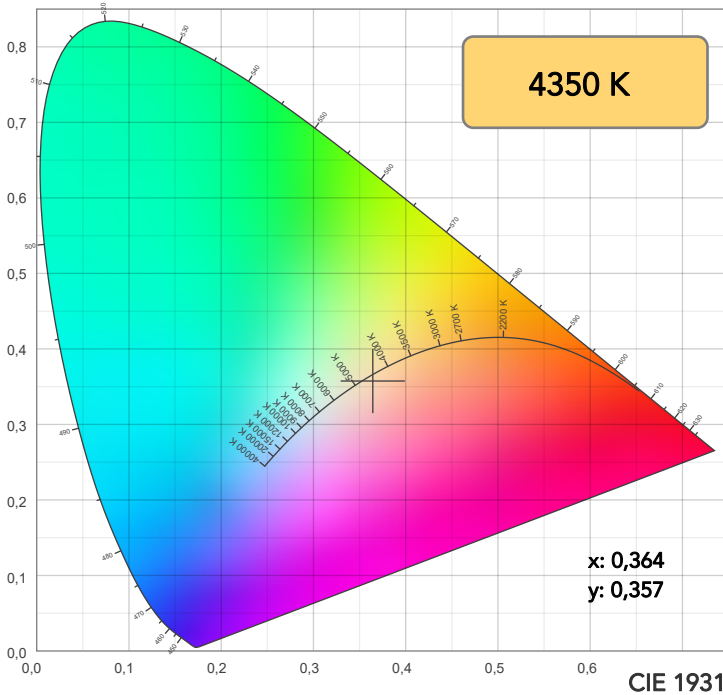
**Field angle 10%: 75,9°**

**Cut off angle 2.5%: 113,9°**

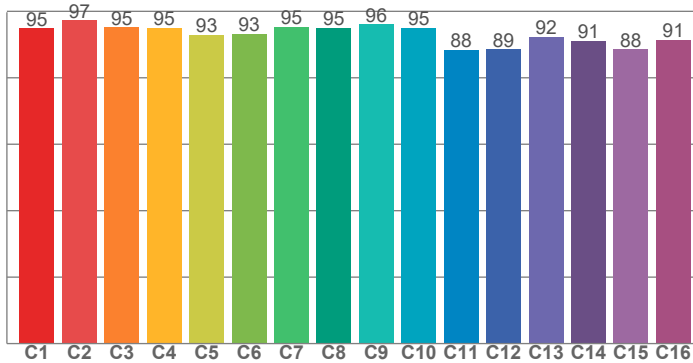
**Spectra**



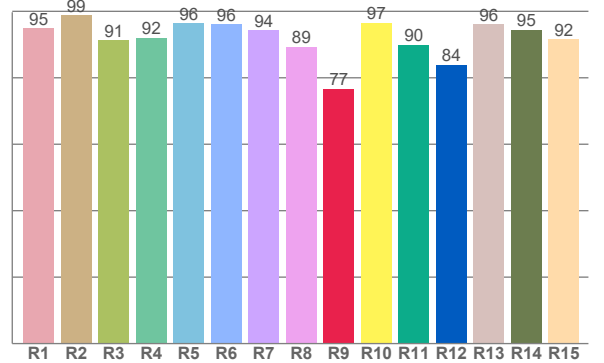
# COLOR DETAILS



**TM30: 93,4**



**CRI: 94,1 (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
94,8	98,7	91,4	92,0	96,4	96,0	94,4	89,4	76,7	96,6	89,9	83,9	96,2	94,5	91,5

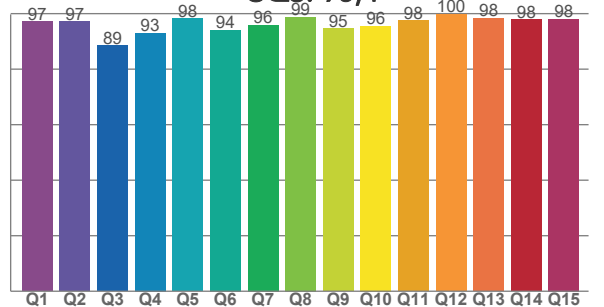
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,1	97,2	88,5	93,0	98,2	94,1	95,9	98,7	94,6	95,6	97,6	99,8	98,3	97,9	98,0

**CQS: 95,4**



## COLOR PARAMETERS

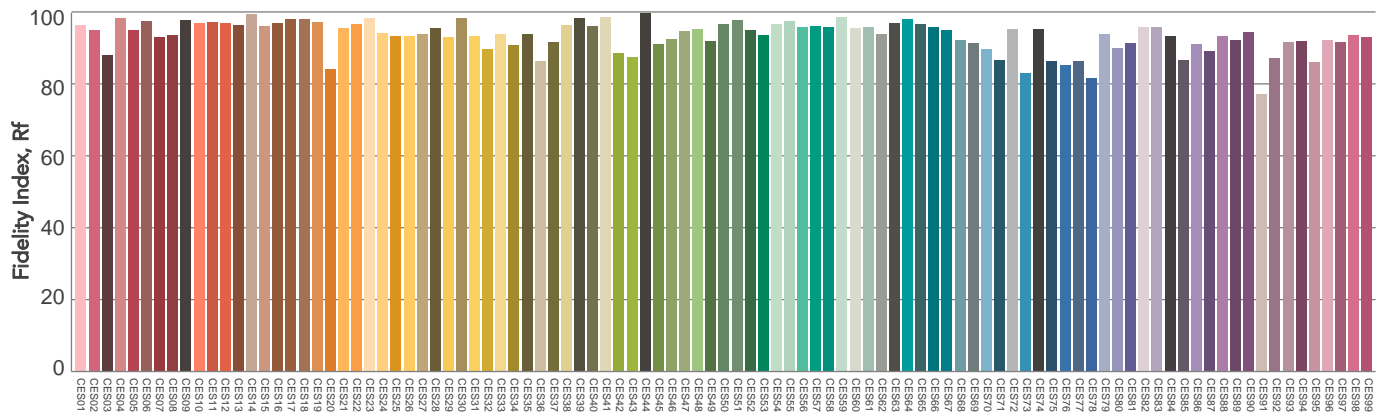
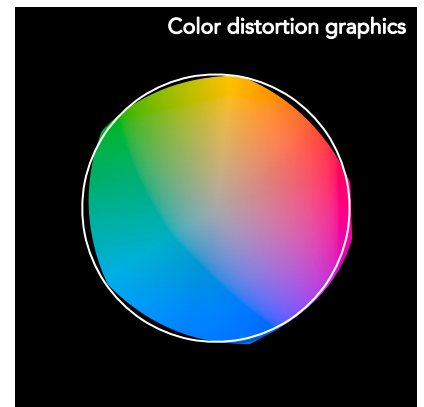
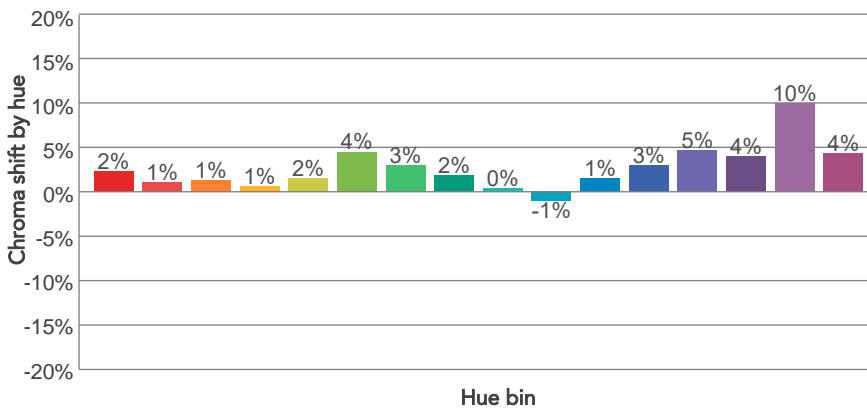
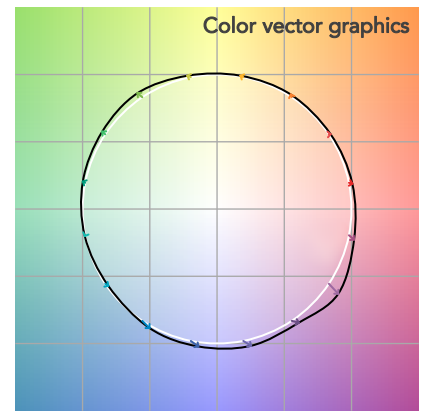
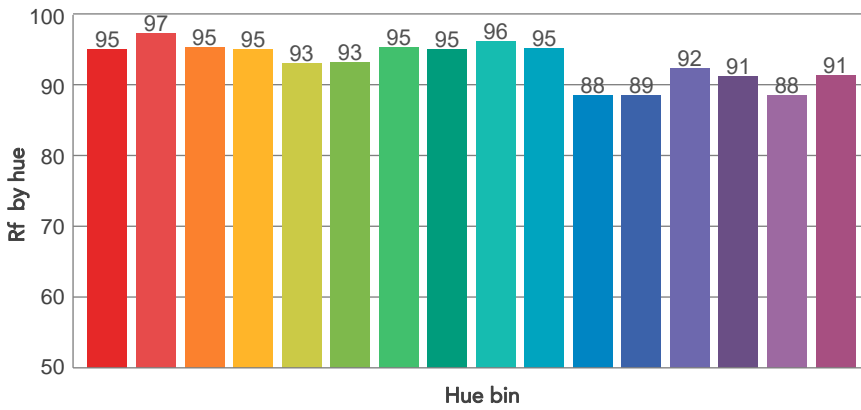
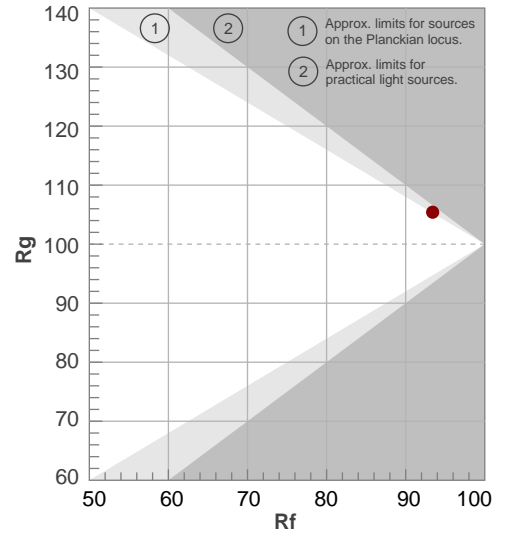
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4350 K	94,1	76,7	93,4	105,4	95,4	97	0,364	0,357	-0,0042

# TM30 DETAILS

**Rf 93,4**  
Fidelity index Rf

**Rg 105,4**  
Gammut index

Hue Bin	R <sub>f</sub>	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	4%	1%
7	95	3%	0%
8	95	2%	-1%
9	96	0%	1%
10	95	-1%	3%
11	88	1%	7%
12	89	3%	6%
13	92	5%	5%
14	91	4%	4%
15	88	10%	-2%
16	91	4%	-2%

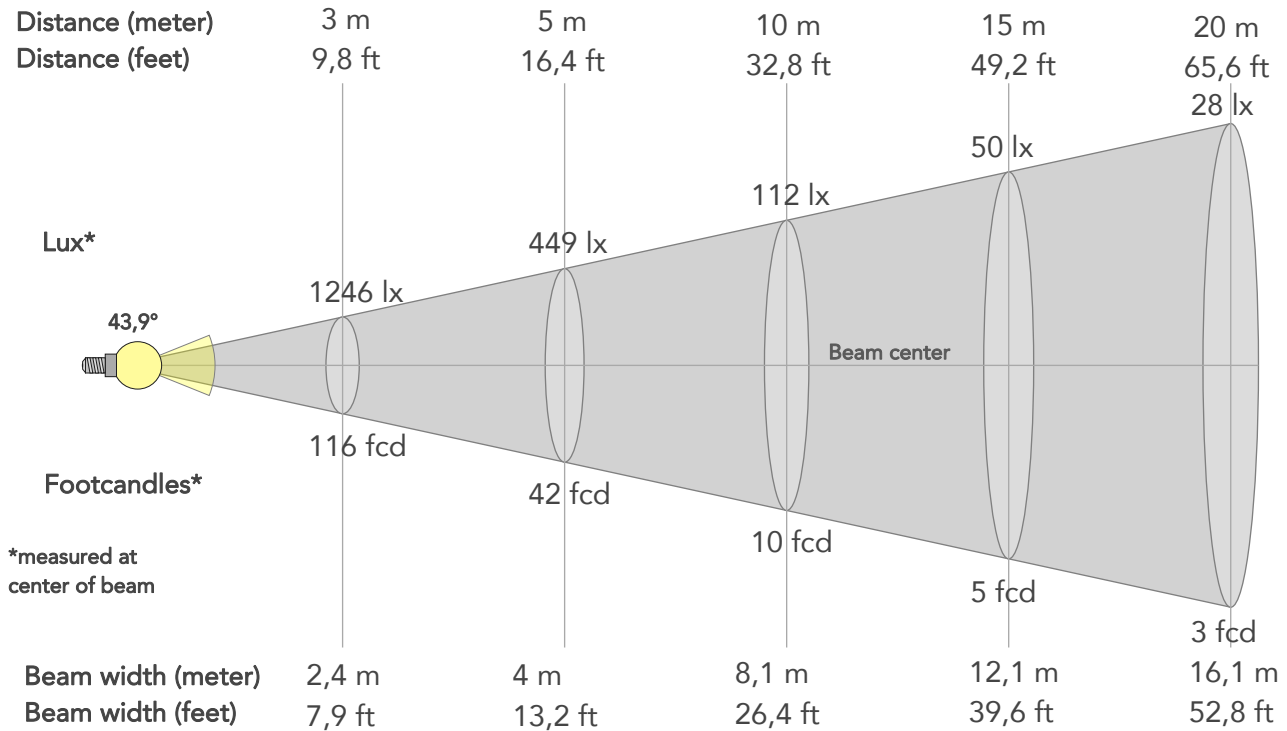




# BEAM DETAILS



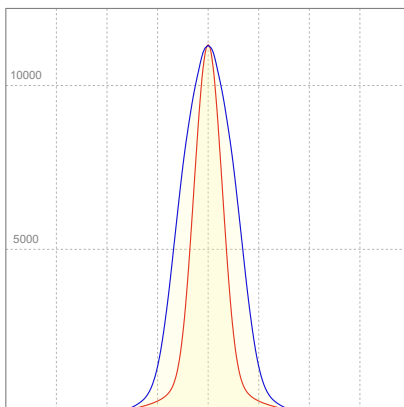
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,9°	75,9°	113,9°	96,2%	87,9%



## 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	11213lx	2803lx	1246lx	701lx	449lx	199lx	112lx	50lx	28lx	18lx	12lx	7lx	4lx
Footcand.	1042fcd	260fcd	116fcd	65fcd	42fcd	19fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8,1m	12,1m	16,1m	20,1m	24,2m	32,2m	40,3m
Beam wid.	2,7ft	5,3ft	7,9ft	10,6ft	13,2ft	19,8ft	26,4ft	39,6ft	52,8ft	66,1ft	79,3ft	105,7ft	132,1ft

## LINEAR DISTRIBUTION DIAGRAM

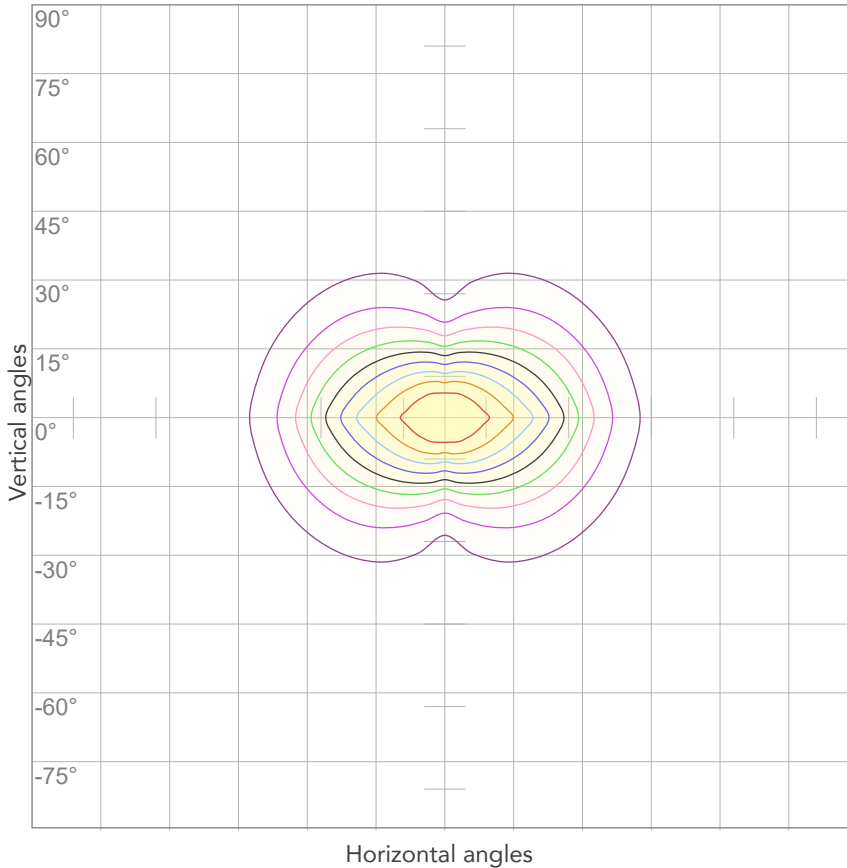


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,578A	126,3W	0,98	61lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



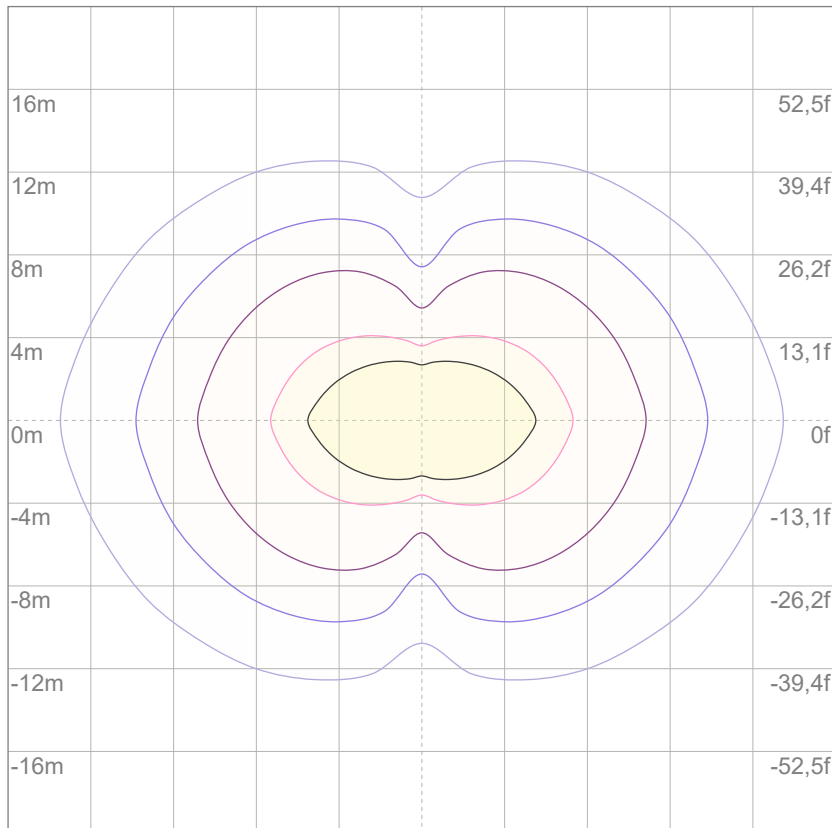
10%	1121 cd
20%	2243 cd
30%	3364 cd
40%	4485 cd
50%	5607 cd
60%	6728 cd
70%	7849 cd
80%	8971 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 11213 cd

## ISO LUX DIAGRAM



3%	3,36 lx
5%	5,61 lx
10%	11,2 lx
30%	33,6 lx
50%	56,1 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 112 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:

6597 lm

Peak candela output:

131932 cd

Light quality:

CRI: 96,6

Color temperature:

2682 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10°**

**Target:**

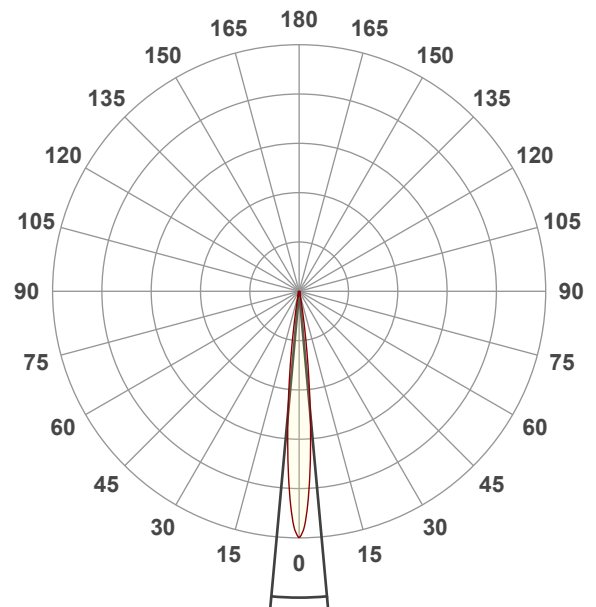
**Warm White**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:05:54**

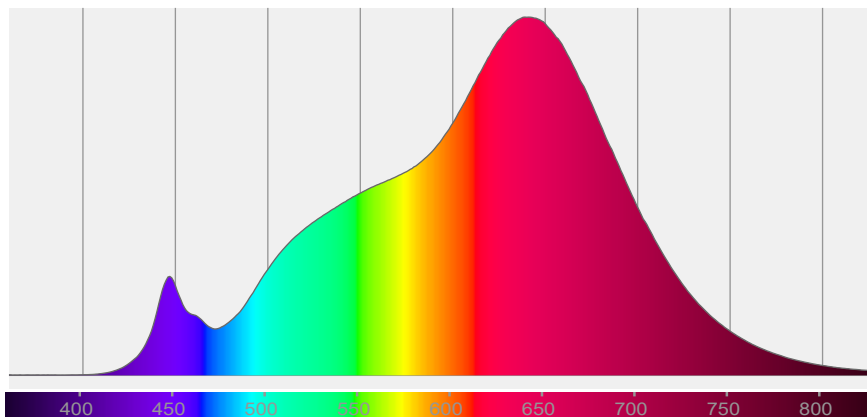


**Beam angle 50%: 10,4°**

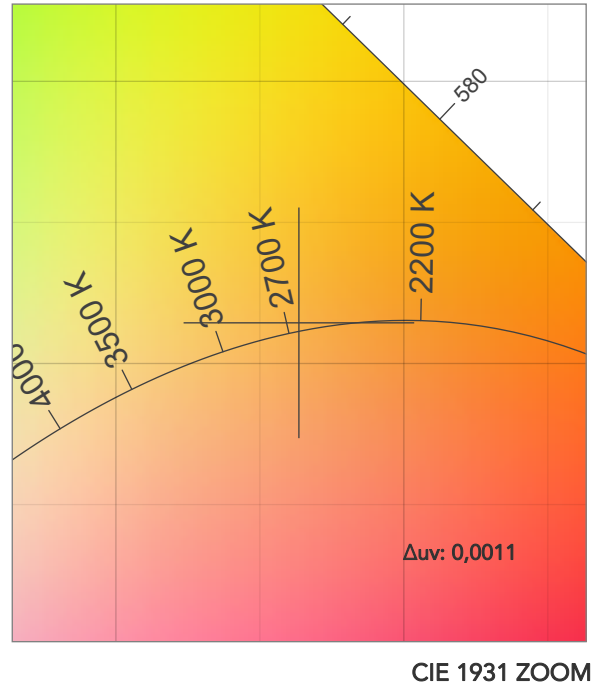
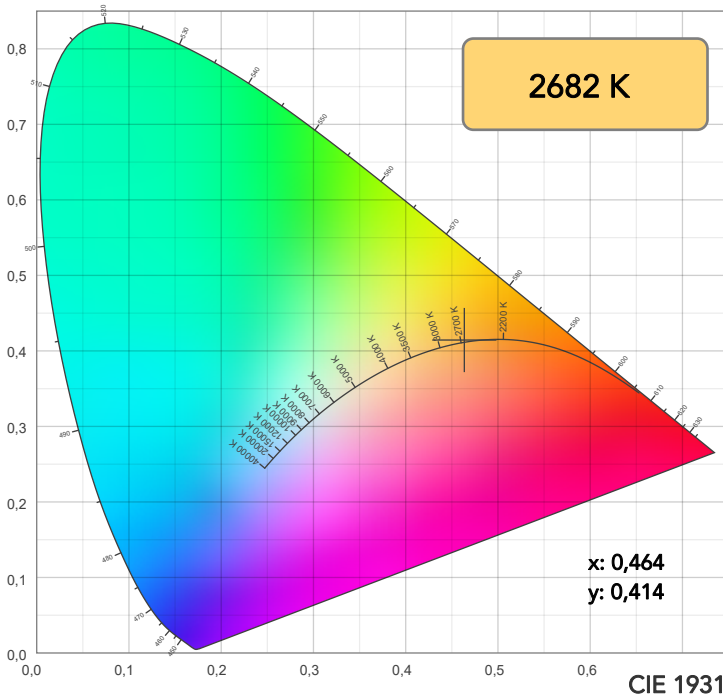
**Field angle 10%: 18,7°**

**Cut off angle 2.5%: 25,9°**

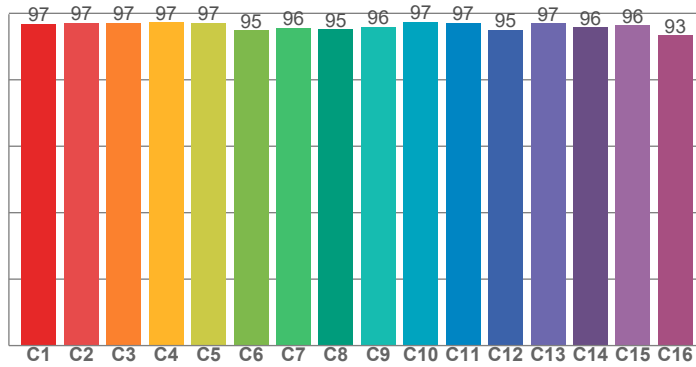
**Spectra**



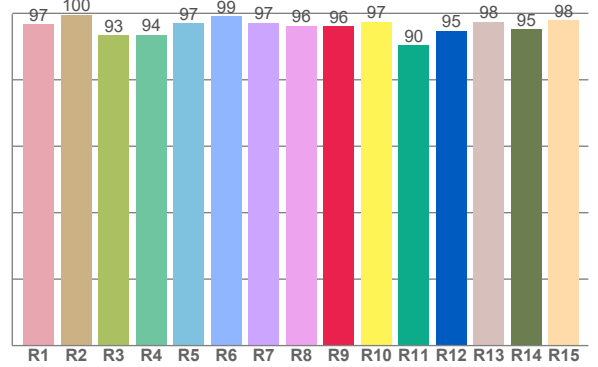
# COLOR DETAILS



**TM30: 96,4**



**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
96,7	99,5	93,3	93,5	97,0	99,2	97,1	96,2	96,1	97,4	90,5	94,7	97,5	95,2	97,9

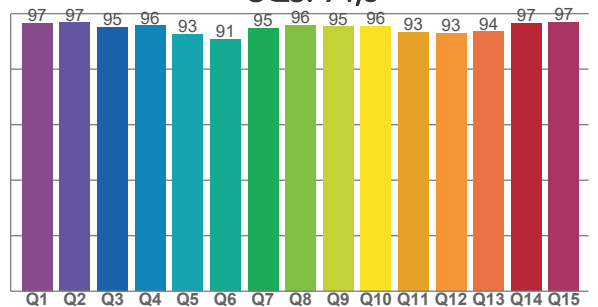
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,7	96,8	95,1	95,8	92,5	90,8	94,9	95,8	95,4	95,5	93,3	93,1	93,6	96,5	97,0

**CQS: 94,3**



## COLOR PARAMETERS

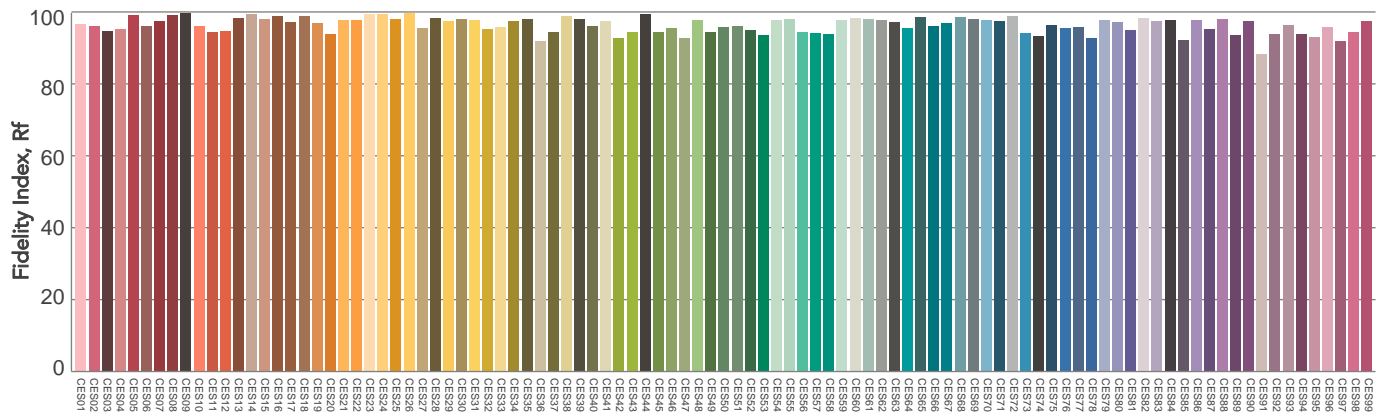
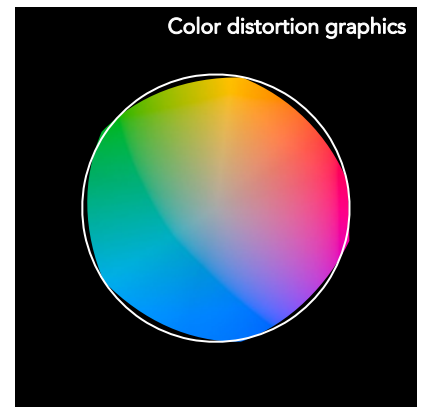
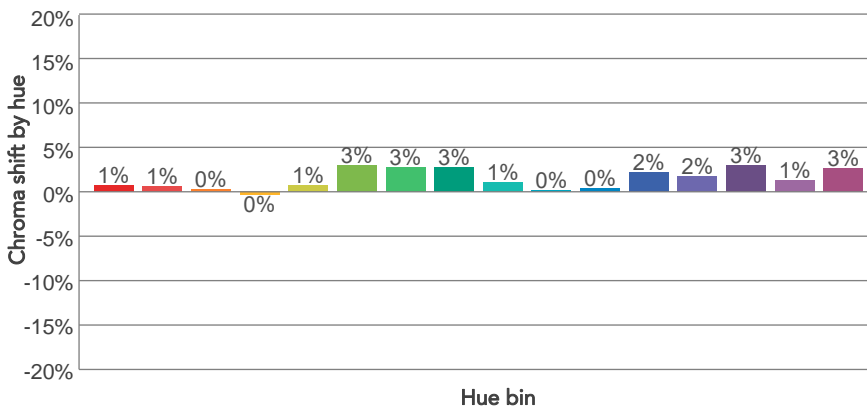
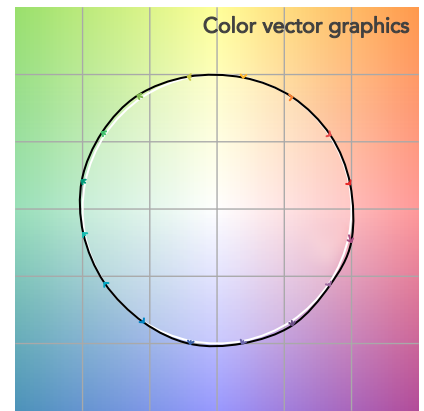
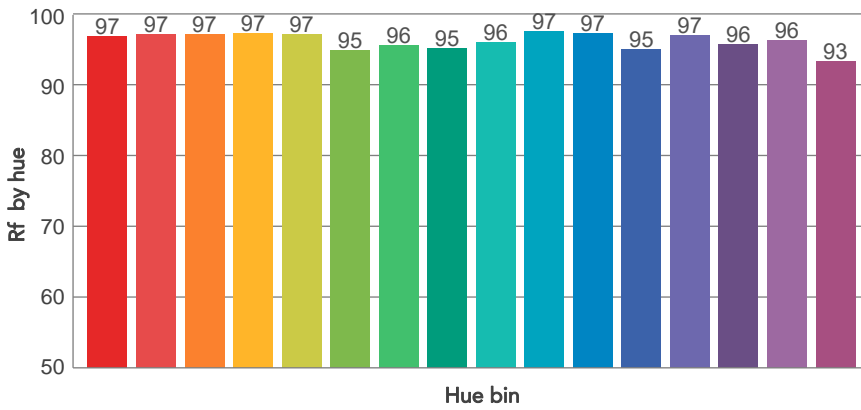
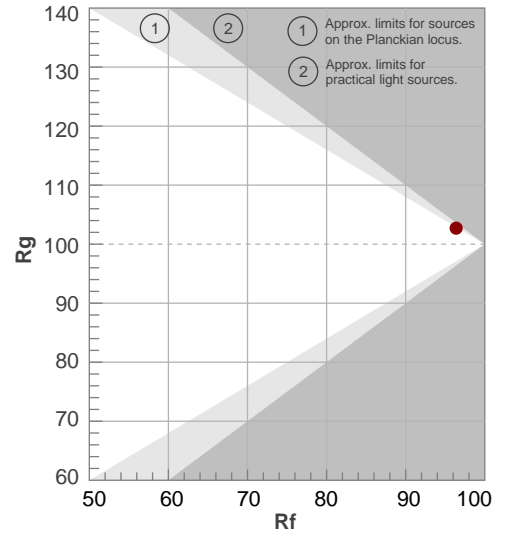
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2682 K	96,6	96,1	96,4	102,7	94,3	98	0,464	0,414	0,0011

# TM30 DETAILS

**Rf 96,4**  
Fidelity index Rf

**Rg 102,7**  
Gammut index

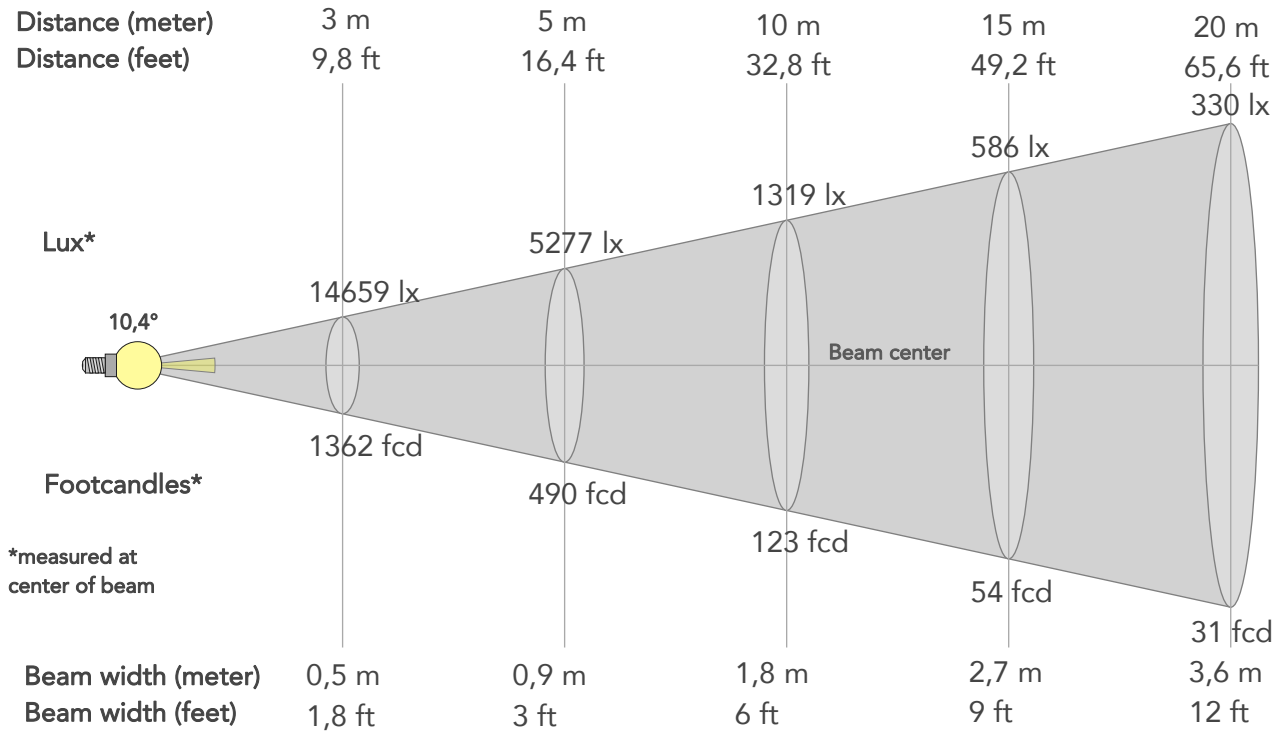
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	0%	0%
4	97	0%	0%
5	97	1%	2%
6	95	3%	2%
7	96	3%	0%
8	95	3%	-1%
9	96	1%	-2%
10	97	0%	-1%
11	97	0%	1%
12	95	2%	0%
13	97	2%	-1%
14	96	3%	-1%
15	96	1%	-1%
16	93	3%	-5%



# BEAM DETAILS



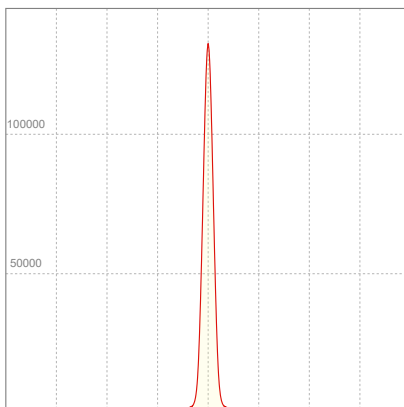
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,7°	25,9°	97,2%	93,7%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	131932lx	32983lx	14659lx	8246lx	5277lx	2345lx	1319lx	586lx	330lx	211lx	147lx	82lx	53lx
Footcand.	12257fcd	3064fcd	1362fcd	766fcd	490fcd	218fcd	123fcd	54fcd	31fcd	20fcd	14fcd	8fcd	5fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,6m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	17,9ft	23,9ft	29,9ft

## LINEAR DISTRIBUTION DIAGRAM

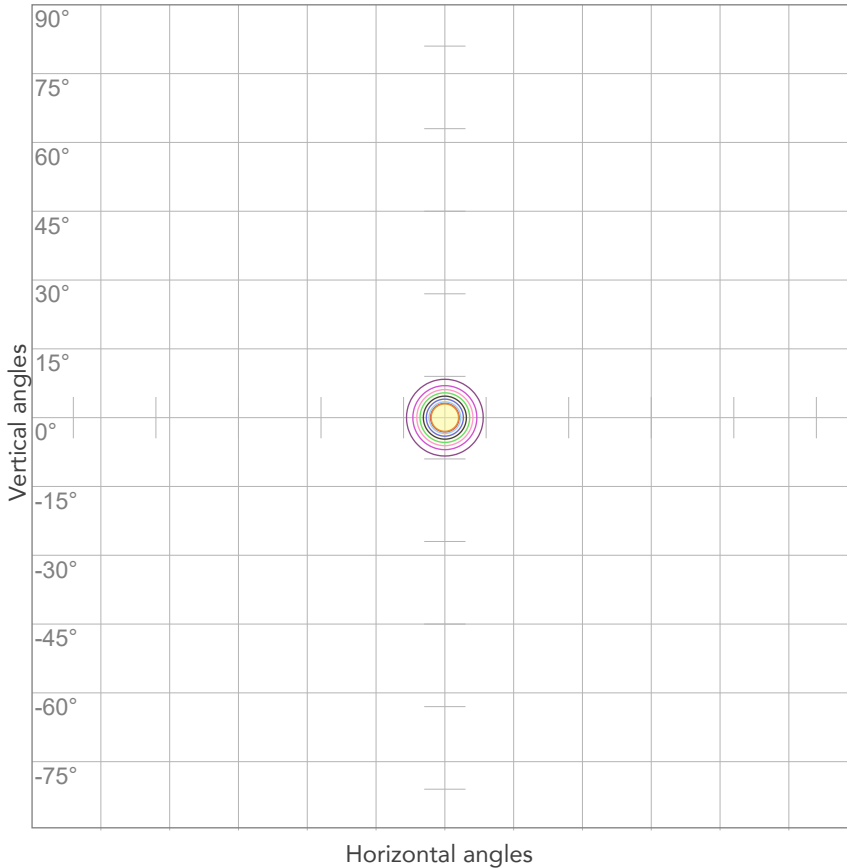


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,588A	129,4W	0,97	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



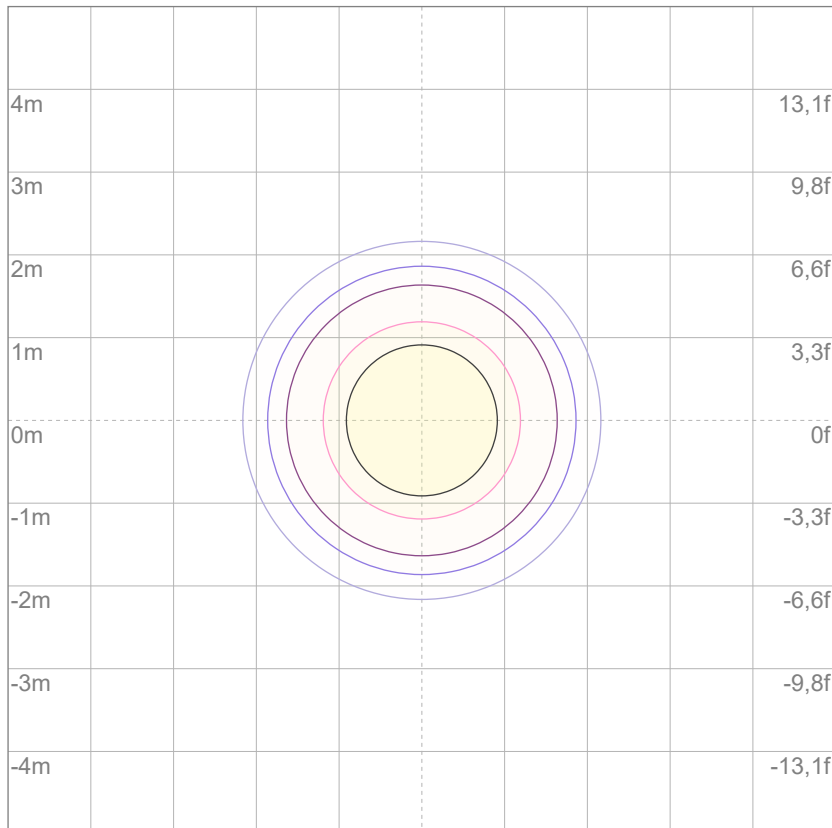
10%	13193 cd
20%	26386 cd
30%	39580 cd
40%	52773 cd
50%	65966 cd
60%	79159 cd
70%	92352 cd
80%	105546 cd

Conditions:

Number of c-planes: 2

Candela at center: 131932 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	39,6 lx
5%	66,0 lx
10%	132 lx
30%	396 lx
50%	660 lx

Conditions:

Number of c-planes: 2

Lux at center: 1319 lx

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



Total lumen output:

5982 lm

Peak candela output:

23551 cd

Light quality:

CRI: 96,6

Color temperature:

2657 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 20° Filter

**Target:**

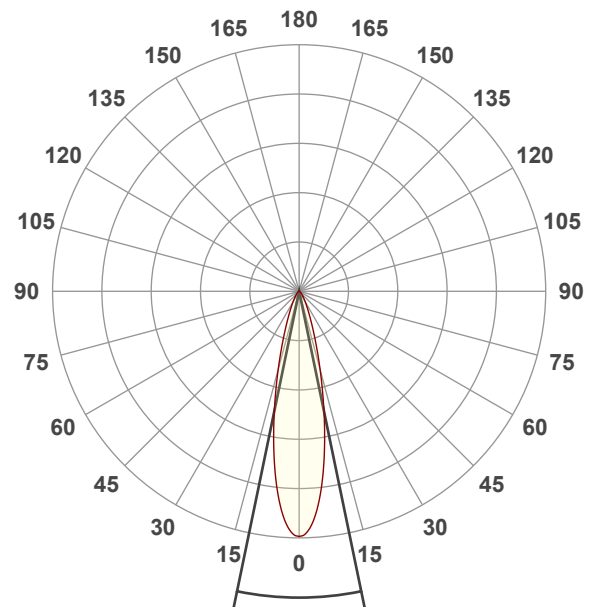
Warm White

**Operator:**

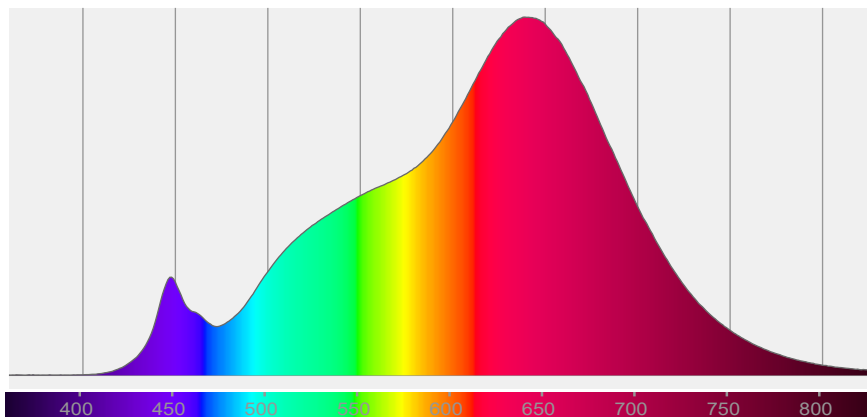
Giacomo Matteo

**Date and time:**

22/02/2024 14:33:05

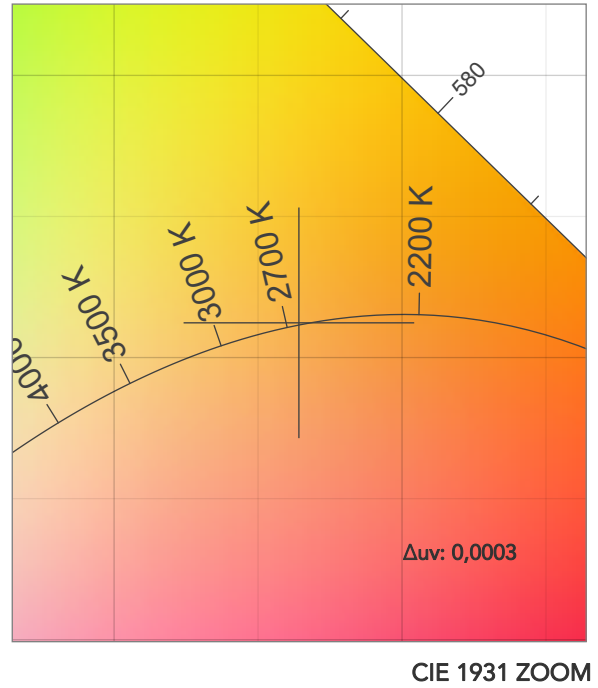
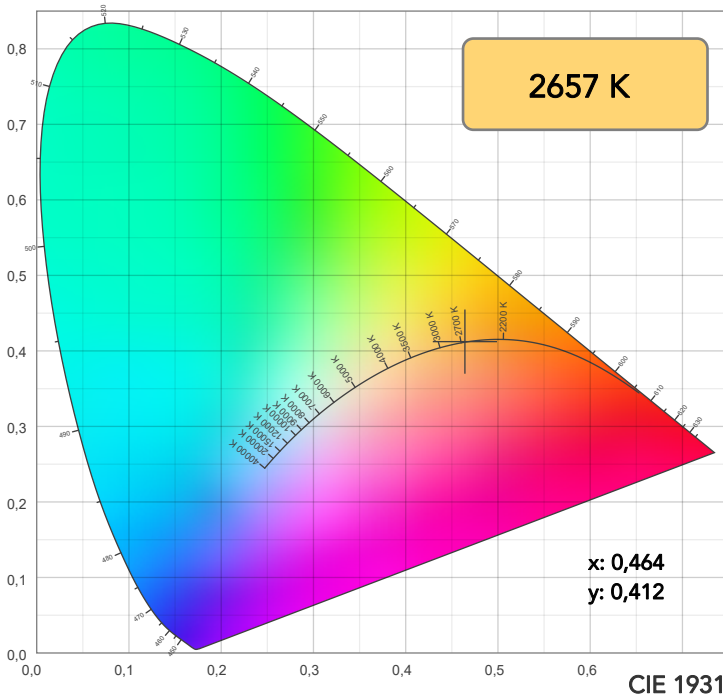


**Spectra**

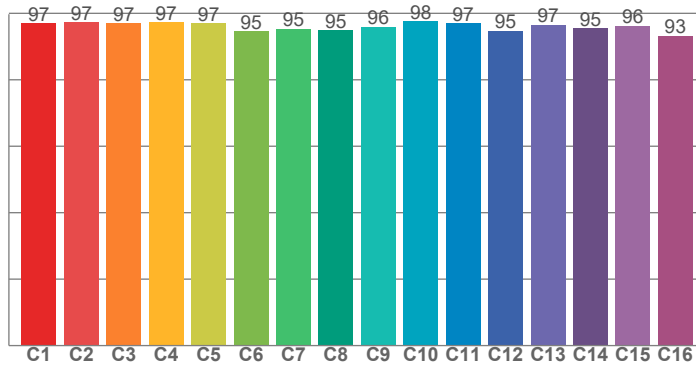




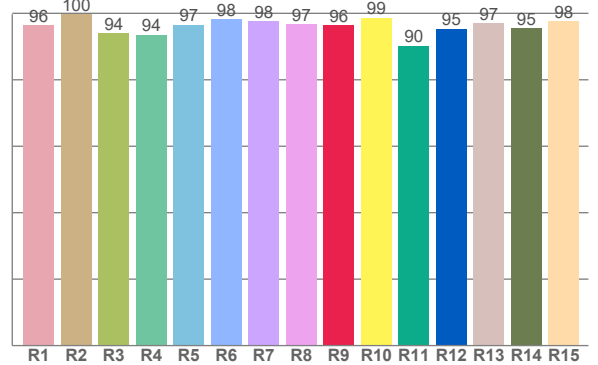
# COLOR DETAILS



**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	99,7	94,0	93,5	96,6	98,3	97,7	96,7	96,4	98,7	90,3	95,4	97,0	95,5	97,6

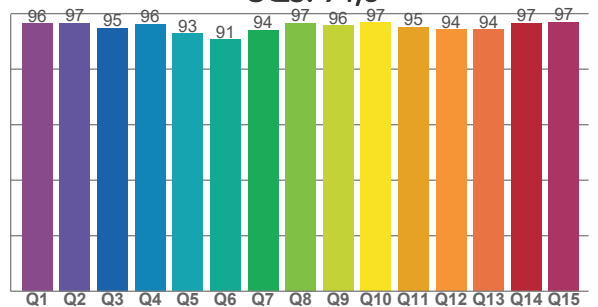
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	96,6	94,8	96,2	92,8	90,6	94,0	96,6	95,6	96,8	95,1	94,2	94,3	96,5	97,0

**CQS: 94,6**



## COLOR PARAMETERS

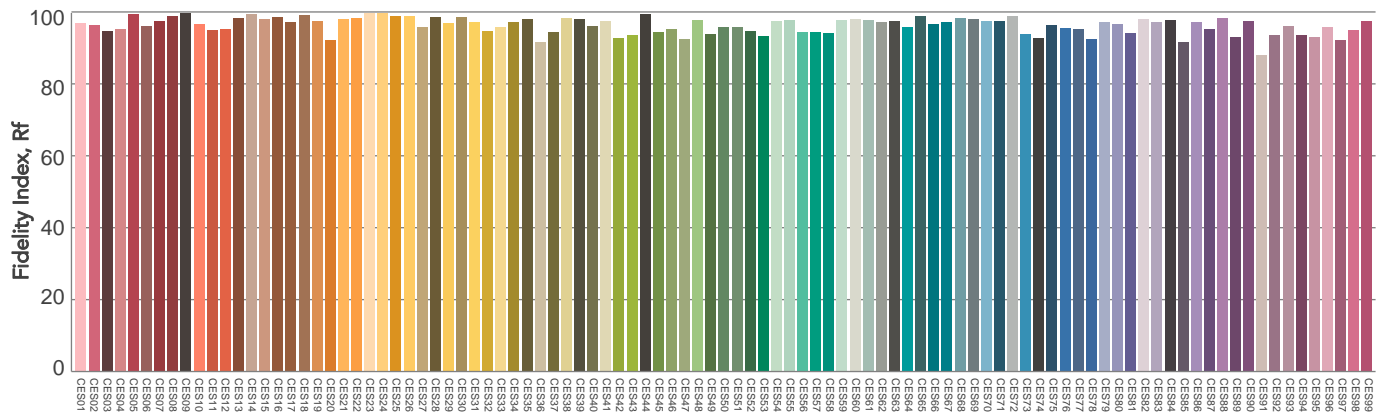
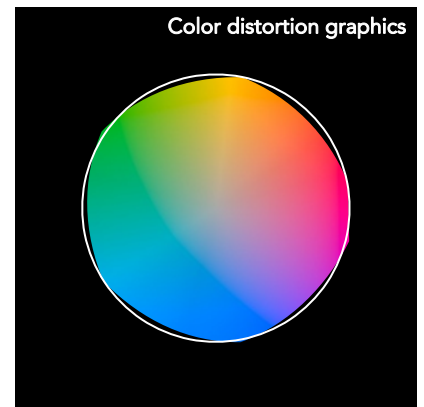
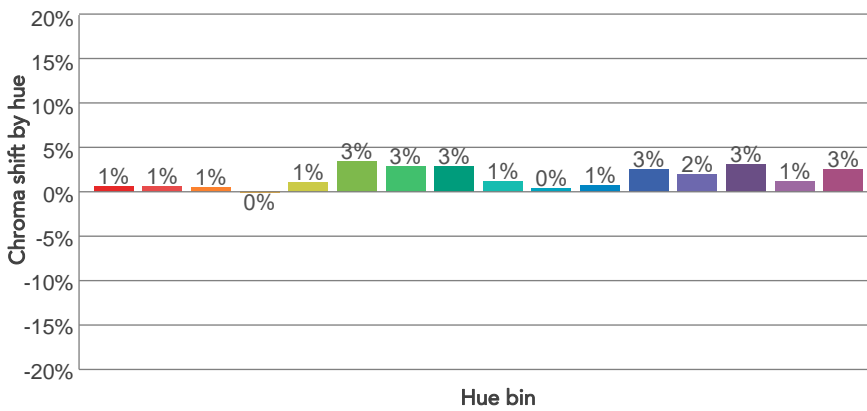
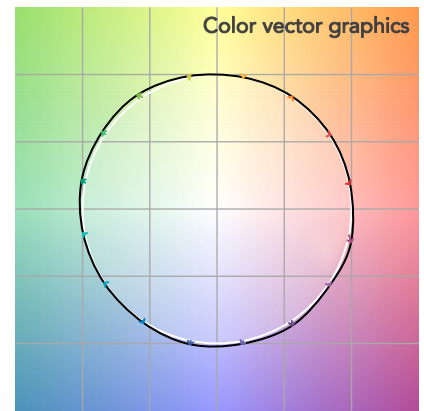
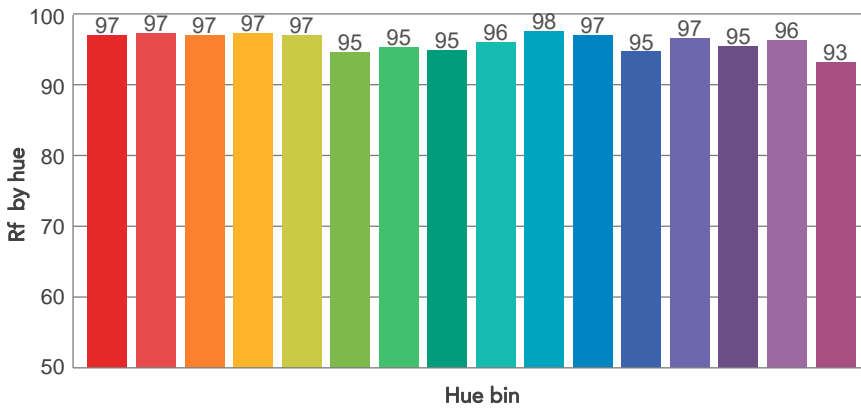
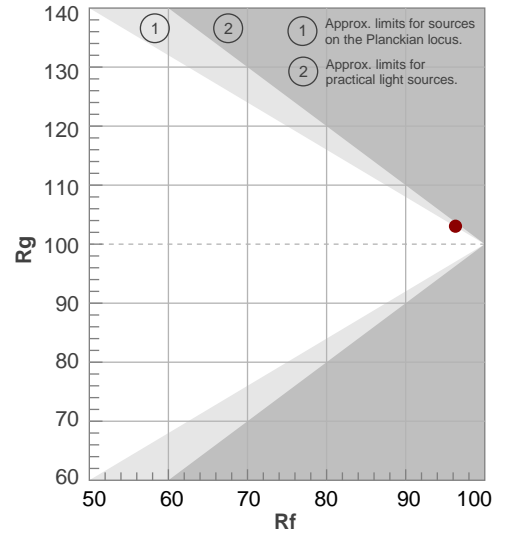
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2657 K	96,6	96,4	96,3	103,0	94,6	98	0,464	0,412	0,0003

# TM30 DETAILS

**Rf 96,3**  
Fidelity index Rf

**Rg 103,0**  
Gammut index

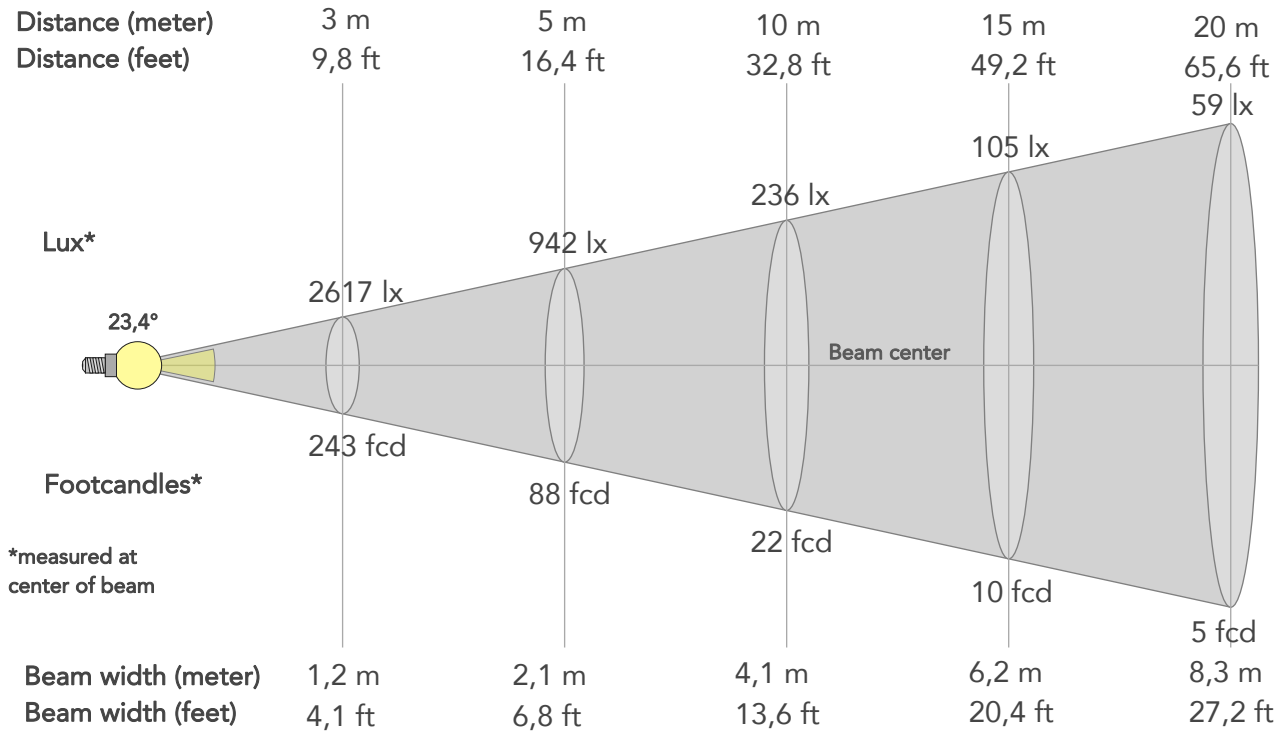
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	95	3%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	98	0%	-1%
11	97	1%	1%
12	95	3%	0%
13	97	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	3%	-5%



# BEAM DETAILS



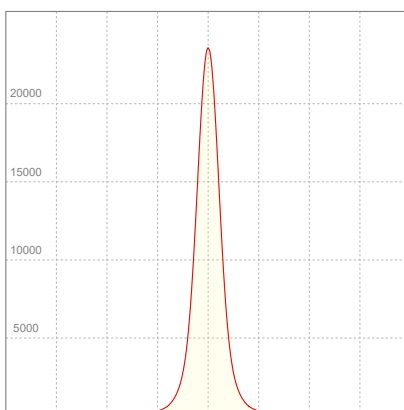
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,6°	74,2°	97,0%	92,1%



## 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	23551lx	5888lx	2617lx	1472lx	942lx	419lx	236lx	105lx	59lx	38lx	26lx	15lx	9lx
Footcand.	2188fcd	547fcd	243fcd	137fcd	88fcd	39fcd	22fcd	10fcd	5fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,7ft	54,3ft	67,9ft

## LINEAR DISTRIBUTION DIAGRAM

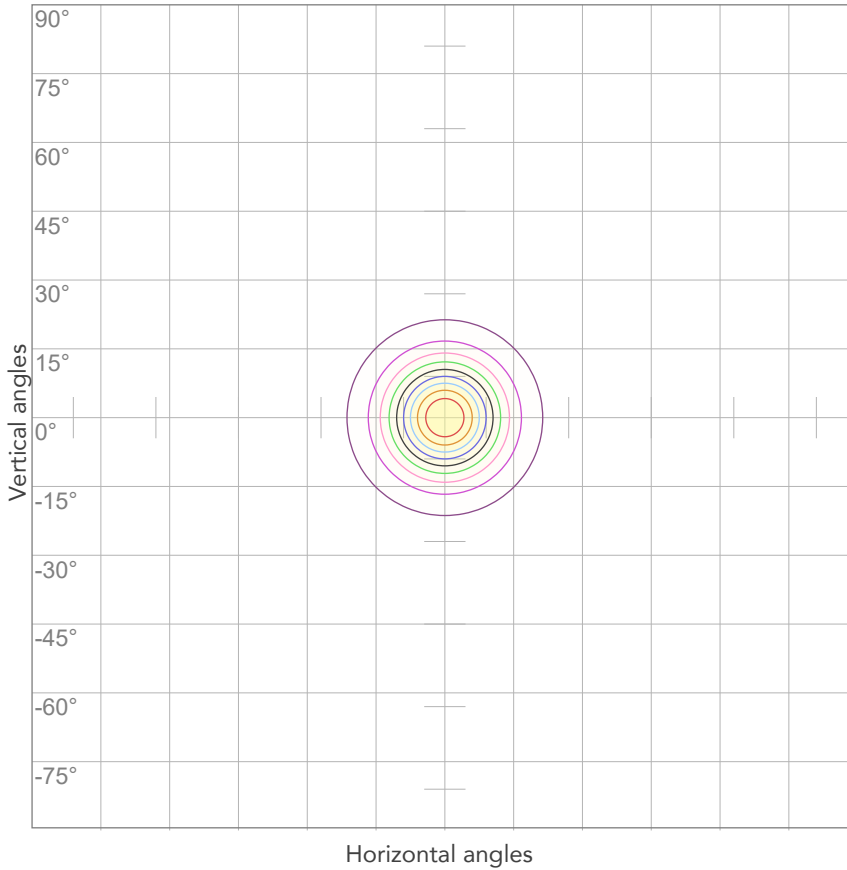


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,578A	126,9W	0,97	47lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



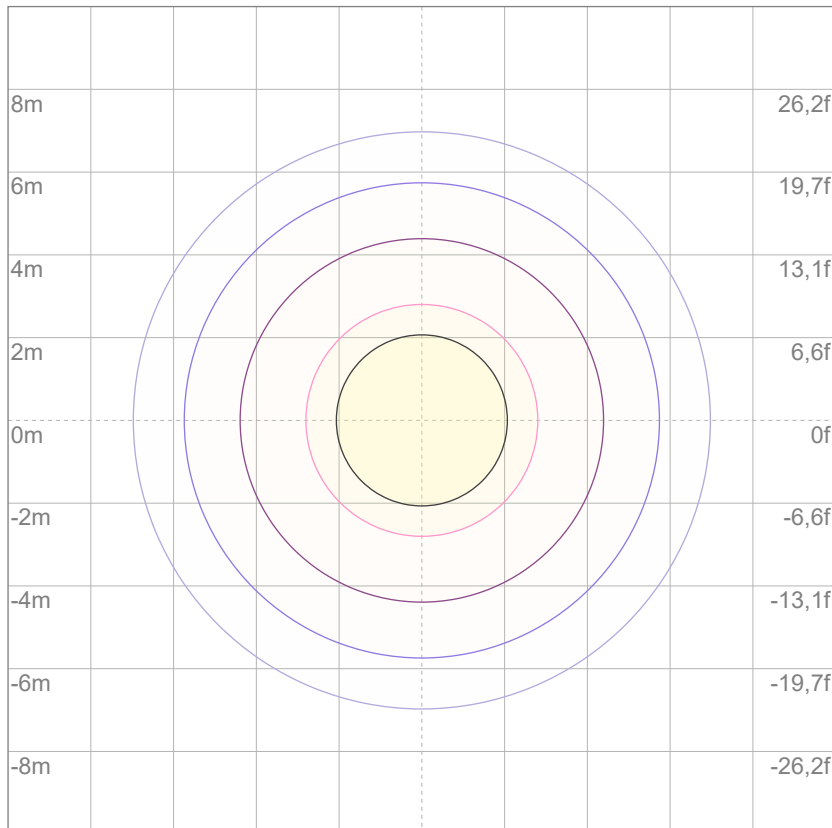
10%	2355 cd
20%	4710 cd
30%	7065 cd
40%	9420 cd
50%	11775 cd
60%	14130 cd
70%	16485 cd
80%	18841 cd

Conditions:

Number of c-planes: 2

Candela at center: 23551 cd

## ISO LUX DIAGRAM



3%	7,07 lx
5%	11,8 lx
10%	23,6 lx
30%	70,7 lx
50%	118 lx

Conditions:

Number of c-planes: 2

Lux at center: 236 lx

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



Total lumen output:

5876 lm

Peak candela output:

7417 cd

Light quality:

CRI: 96,6

Color temperature:

2659 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASUREMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

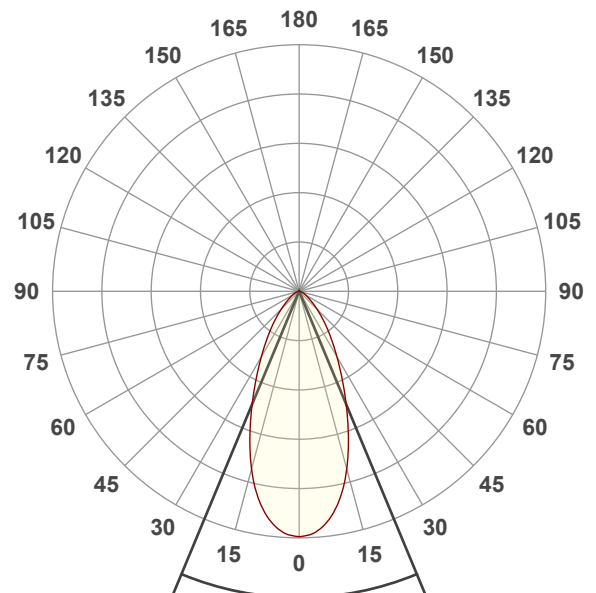
Warm White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:51:12

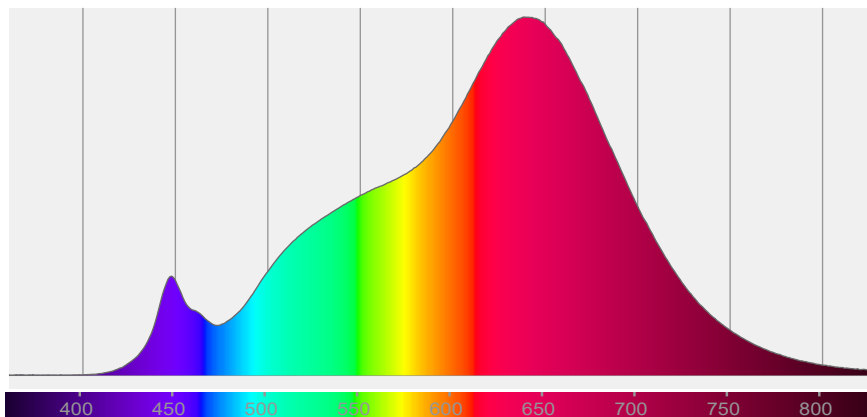


Beam angle 50%: 45,2°

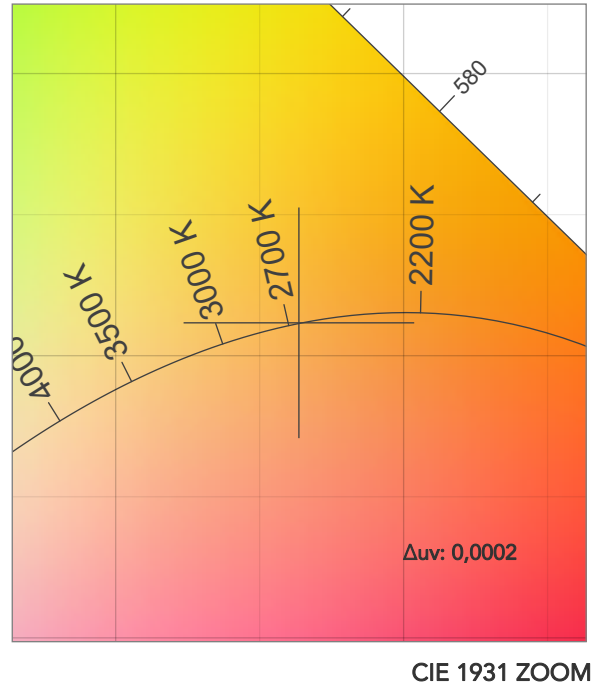
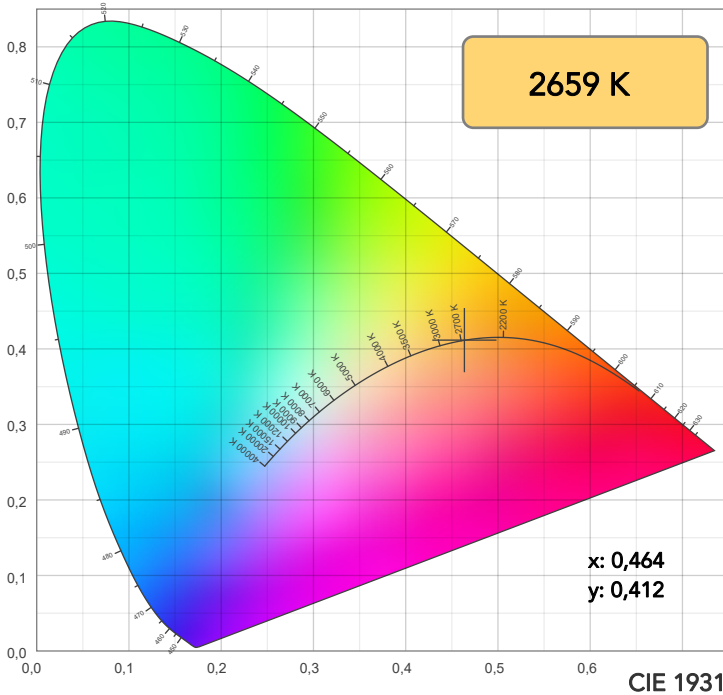
Field angle 10%: 90,8°

Cut off angle 2.5%: 127,2°

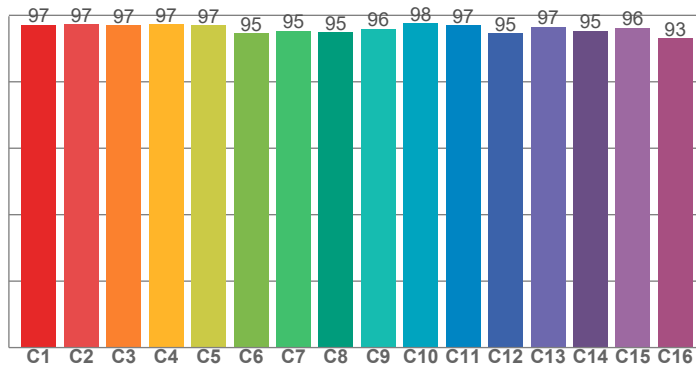
Spectra



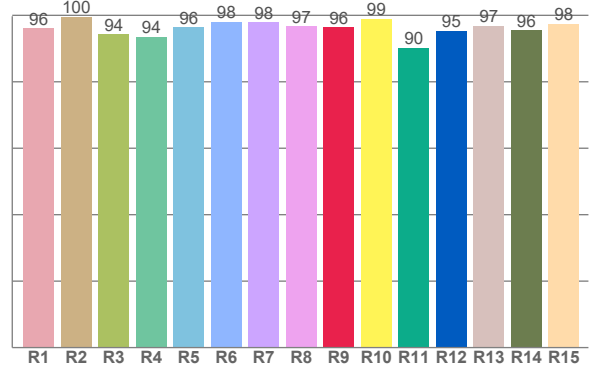
# COLOR DETAILS



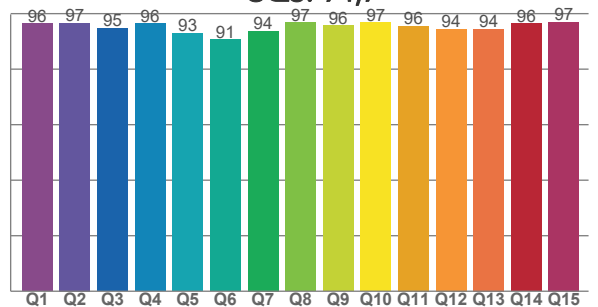
**TM30: 96,3**



**CRI: 96,6 (R1-R8)**



**CQS: 94,7**



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
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

## COLOR PARAMETERS

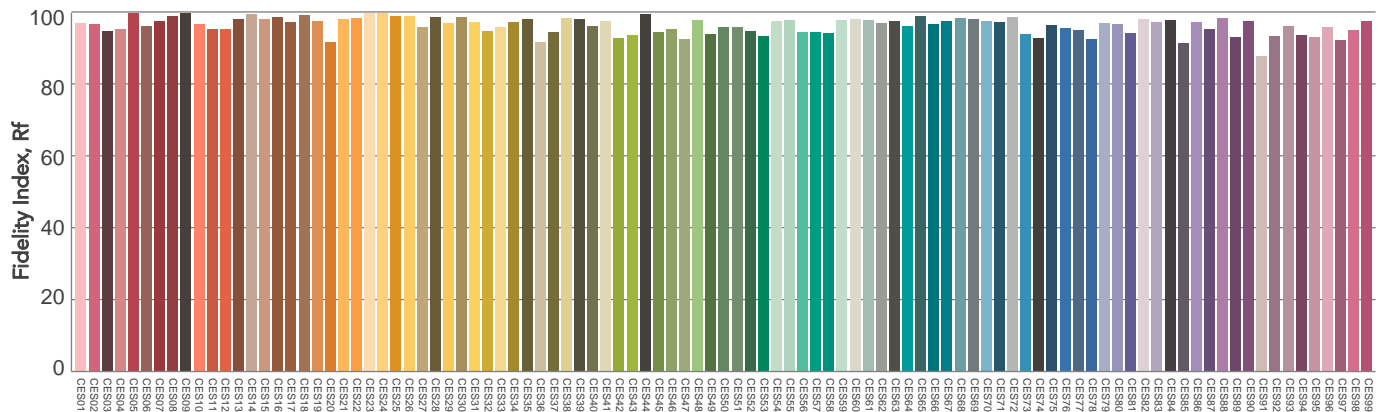
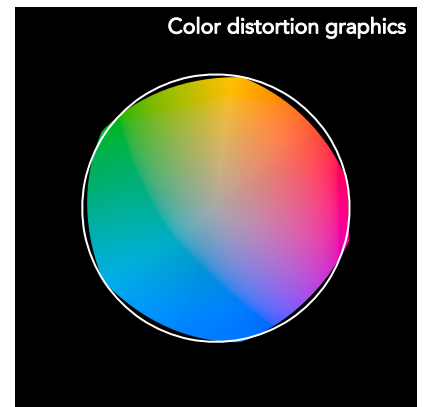
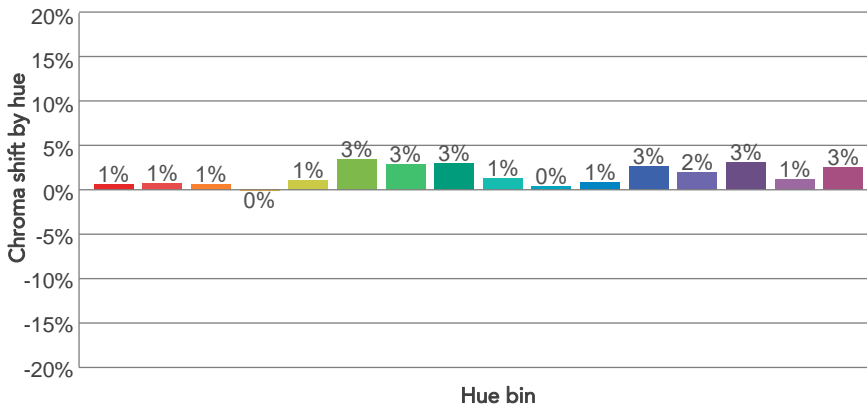
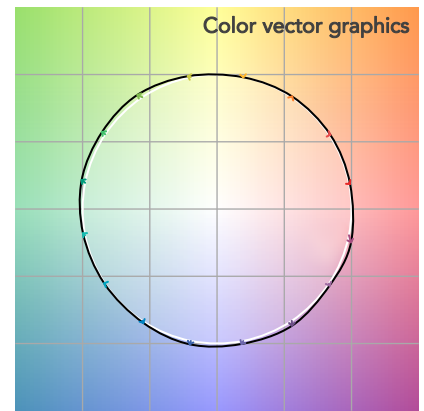
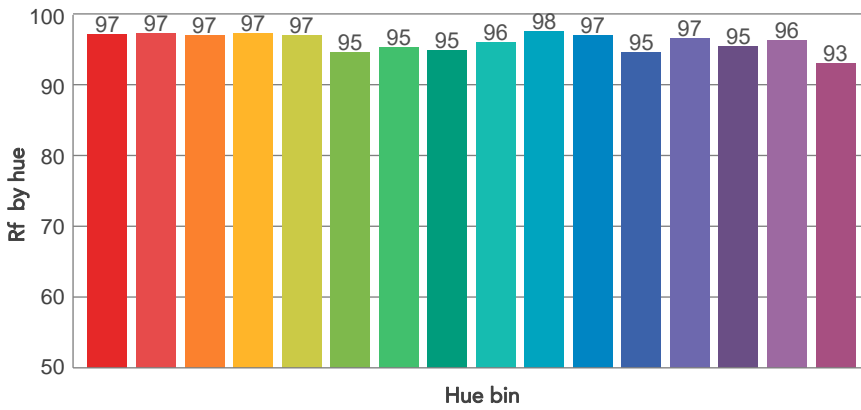
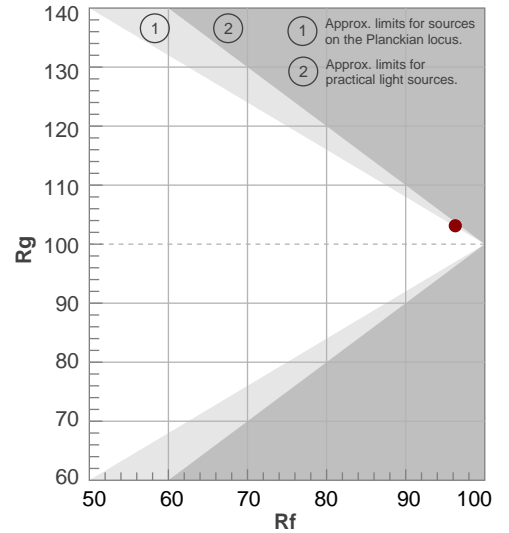
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2659 K	96,6	96,3	96,3	103,1	94,7	98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

# TM30 DETAILS

**Rf 96,3**  
Fidelity index Rf

**Rg 103,1**  
Gammut index

Hue Bin	R <sub>f</sub>	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%

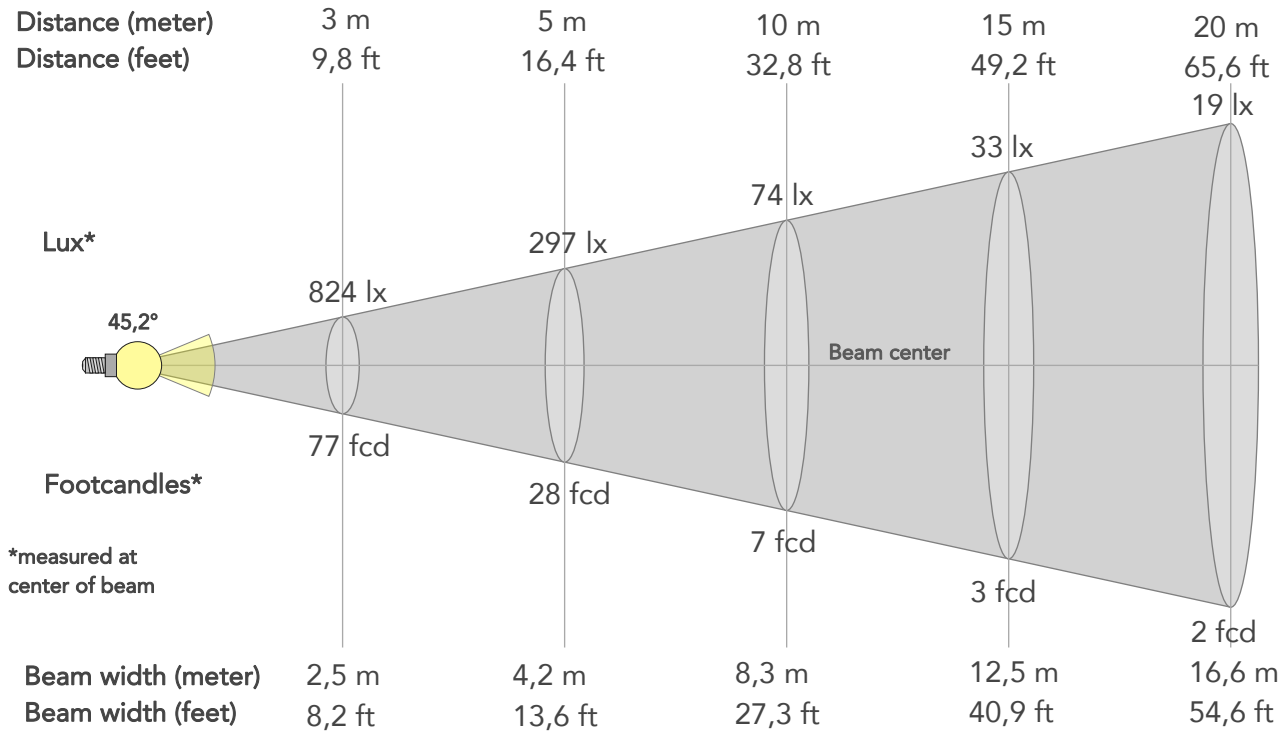


Color Evaluation Sample

# BEAM DETAILS



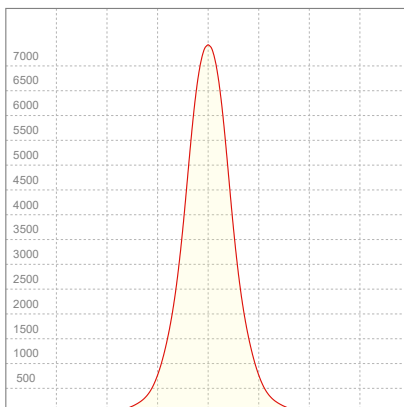
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127,2°	95,3%	85,7%



## 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	7417lx	1854lx	824lx	464lx	297lx	132lx	74lx	33lx	19lx	12lx	8lx	5lx	3lx
Footcand.	689fcd	172fcd	77fcd	43fcd	28fcd	12fcd	7fcd	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



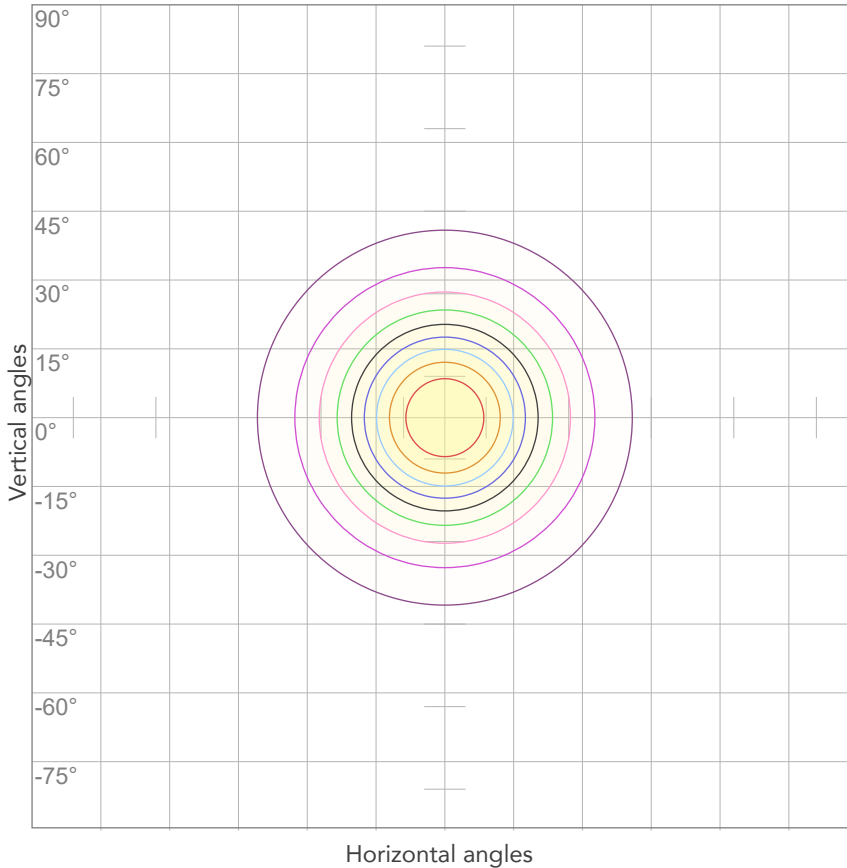
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,573A	126,3W	0,97	47lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



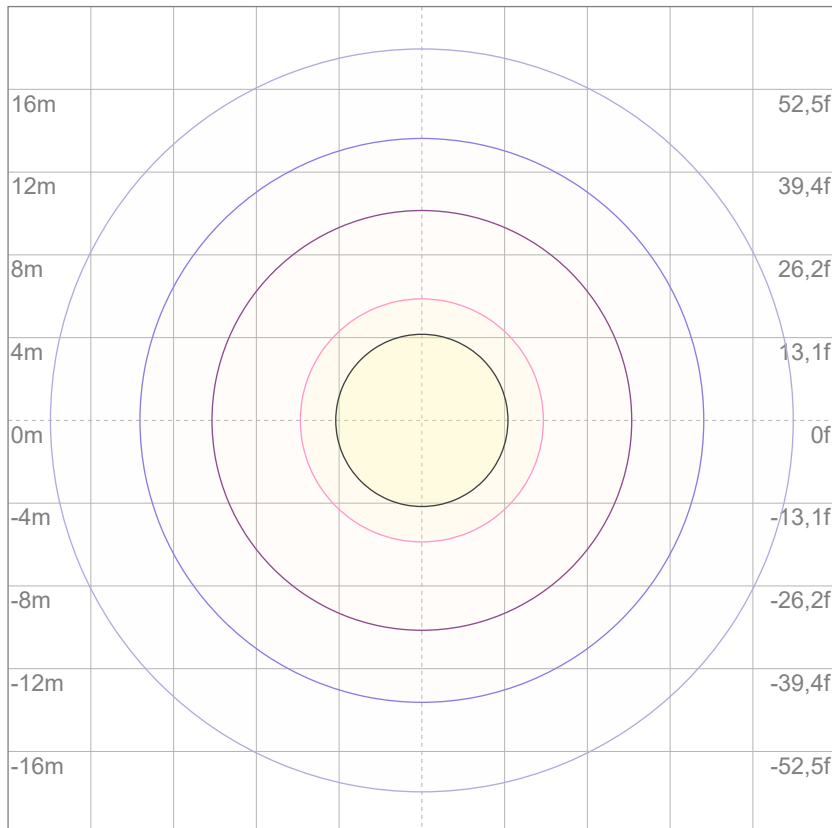
10%	742 cd
20%	1483 cd
30%	2225 cd
40%	2967 cd
50%	3708 cd
60%	4450 cd
70%	5192 cd
80%	5933 cd

Conditions:

Number of c-planes: 2

Candela at center: 7417 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,23 lx
5%	3,71 lx
10%	7,42 lx
30%	22,3 lx
50%	37,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 74,2 lx

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



Total lumen output:

5786 lm

Peak candela output:

5217 cd

Light quality:

CRI: 96,6

Color temperature:

2663 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 60° Filter

**Target:**

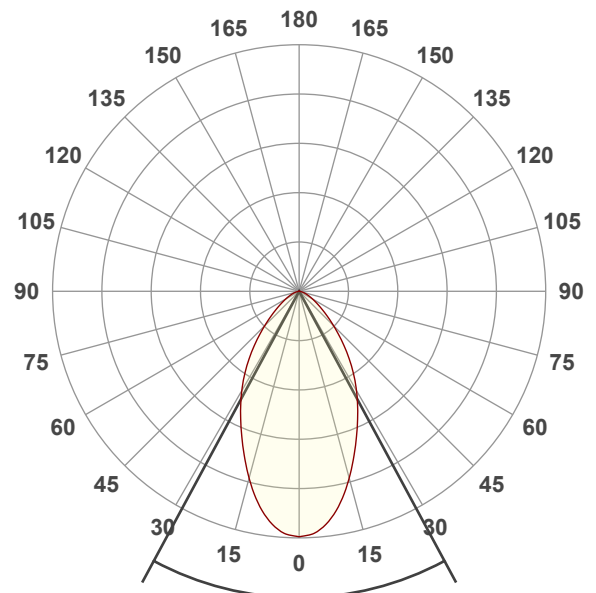
Warm White

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 15:30:37

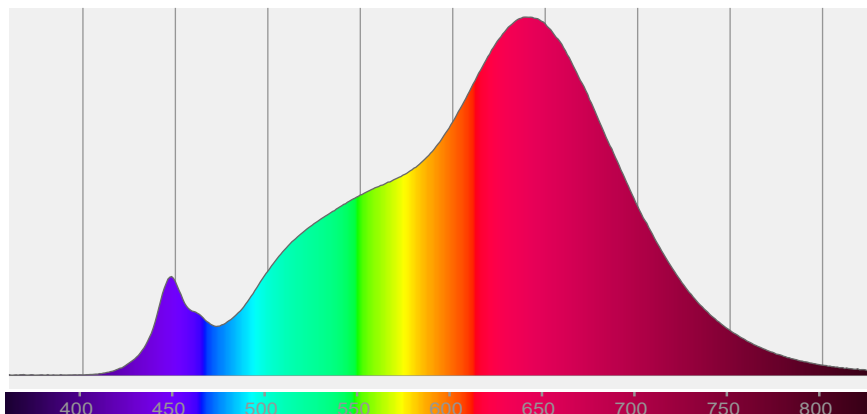


Beam angle 50%: 56,7°

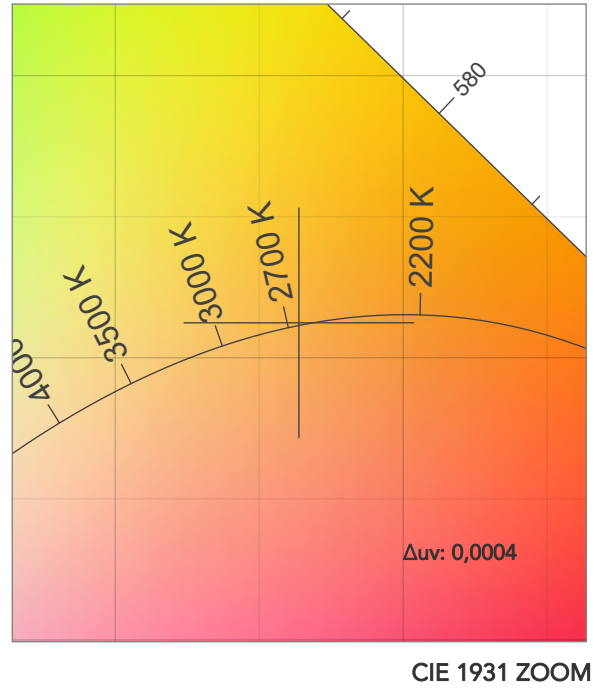
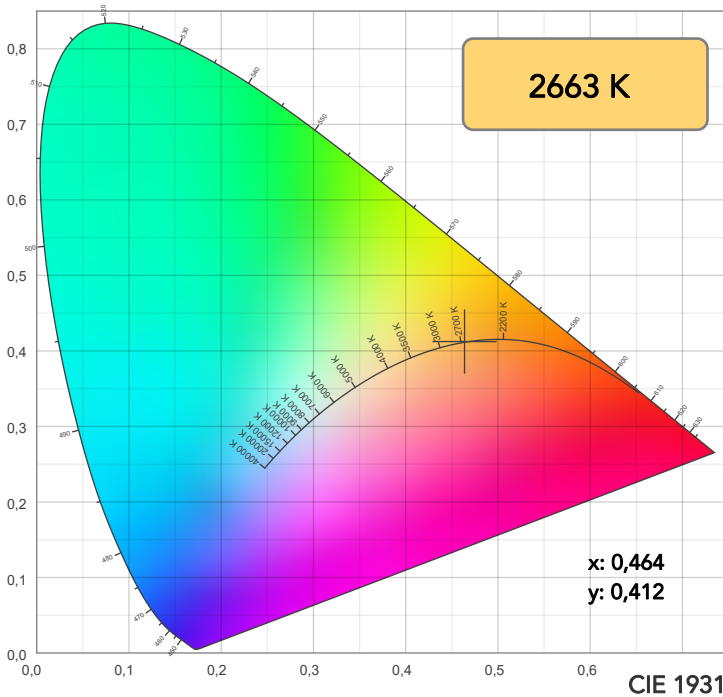
Field angle 10%: 108,2°

Cut off angle 2.5%: 142,3°

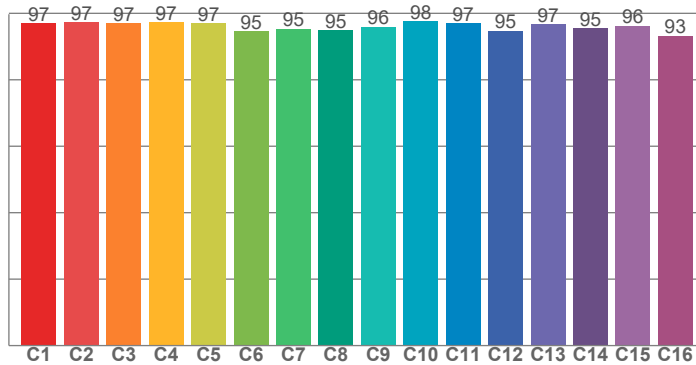
**Spectra**



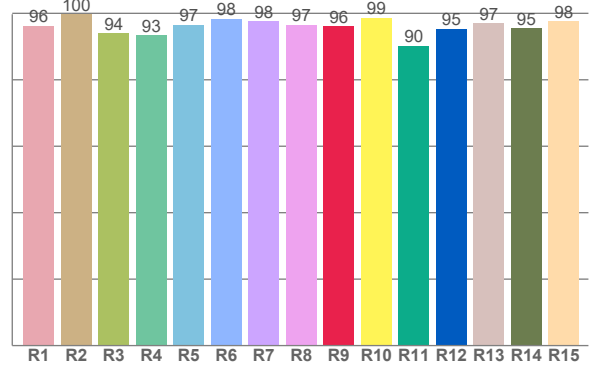
# COLOR DETAILS



**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

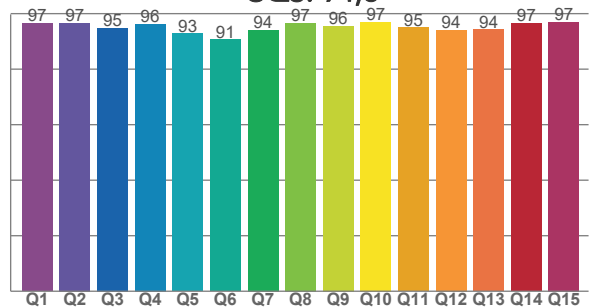
TM30 C values, 16 binned values out of total of 99 C values

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

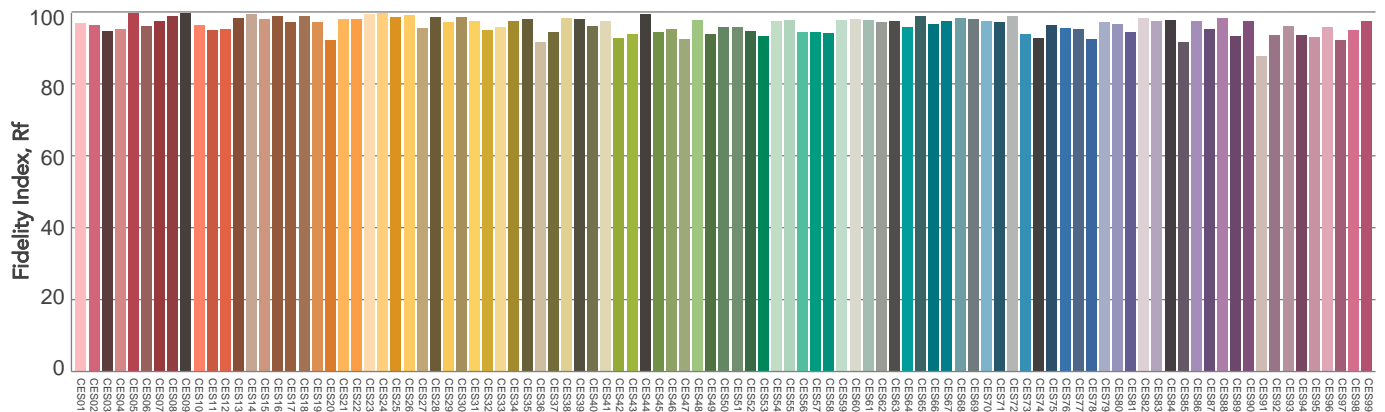
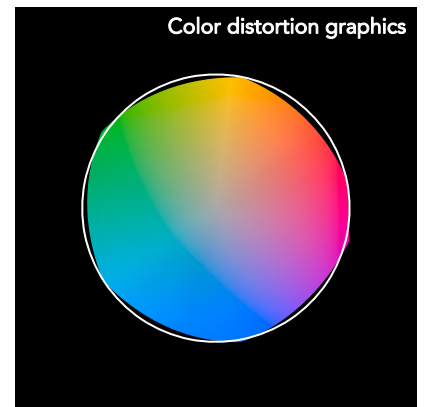
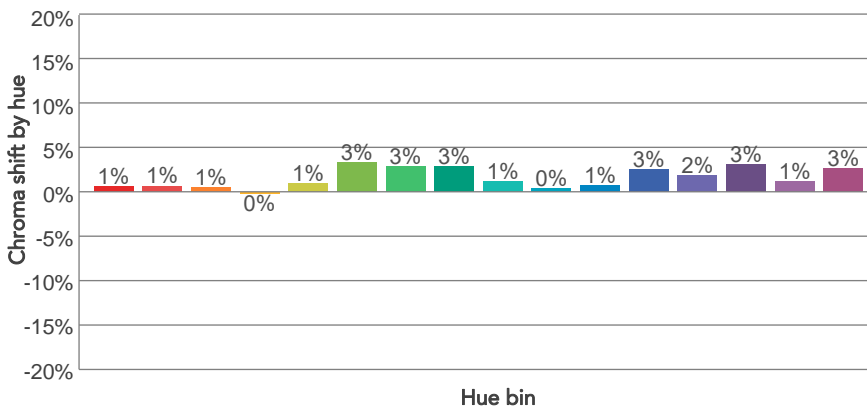
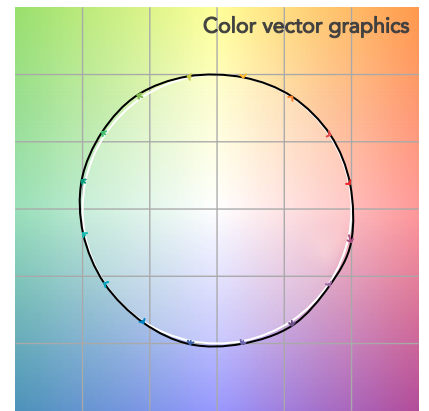
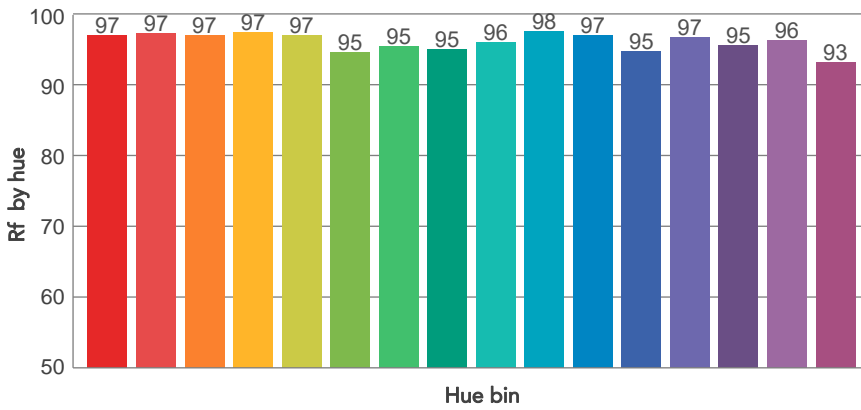
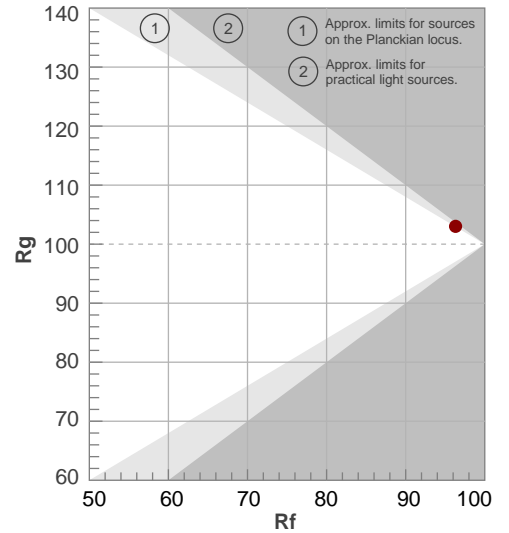
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2663 K	96,6	96,2	96,3	103,0	94,6	98	0,464	0,412	0,0004

# TM30 DETAILS

**Rf 96,3**  
Fidelity index Rf

**Rg 103,0**  
Gammut index

Hue Bin	R <sub>f</sub>	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%

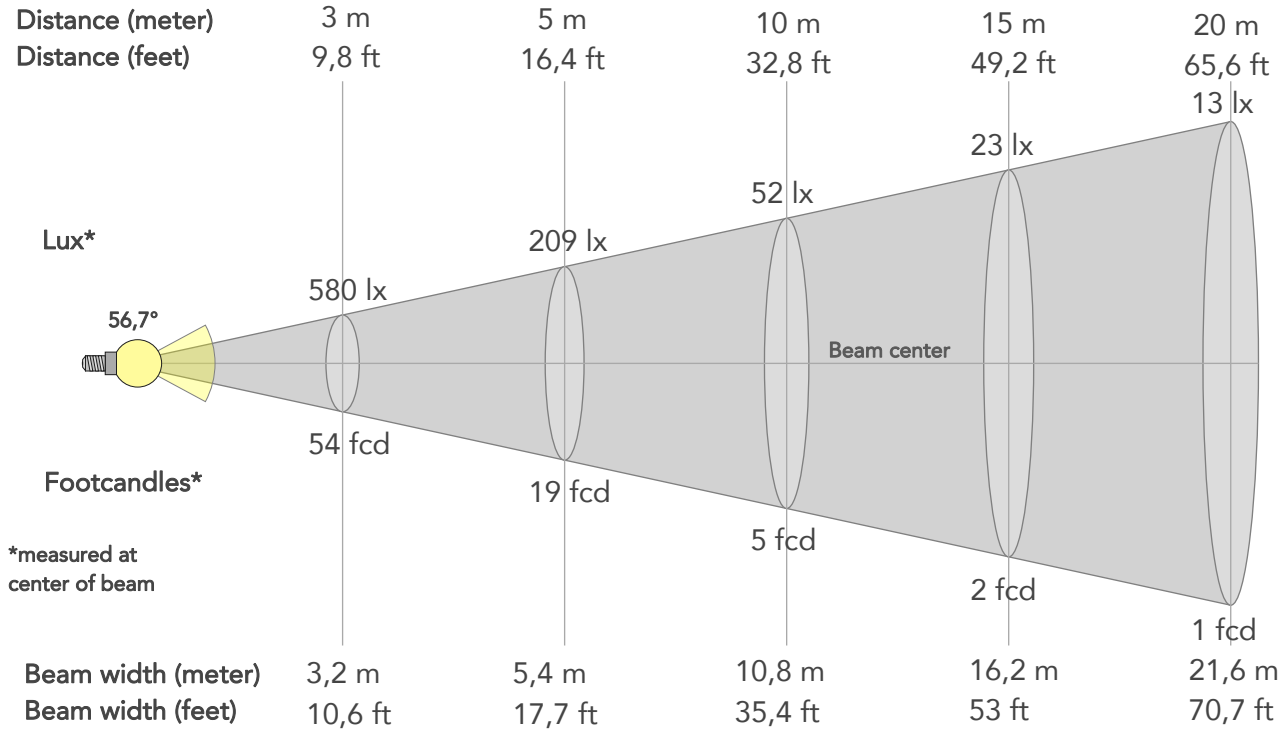


Color Evaluation Sample

# BEAM DETAILS



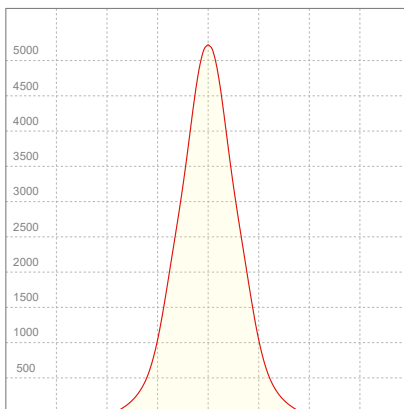
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	108,2°	142,3°	93,9%	80,2%



## 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	5217lx	1304lx	580lx	326lx	209lx	93lx	52lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	485fcd	121fcd	54fcd	30fcd	19fcd	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

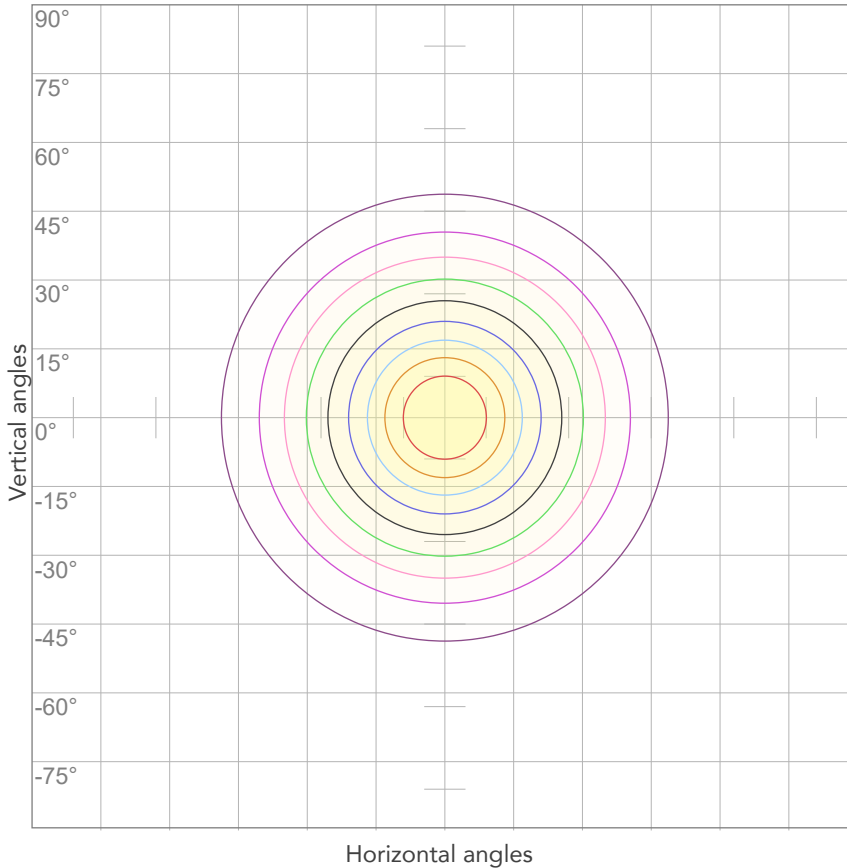


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,580A	127W	0,97	46lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



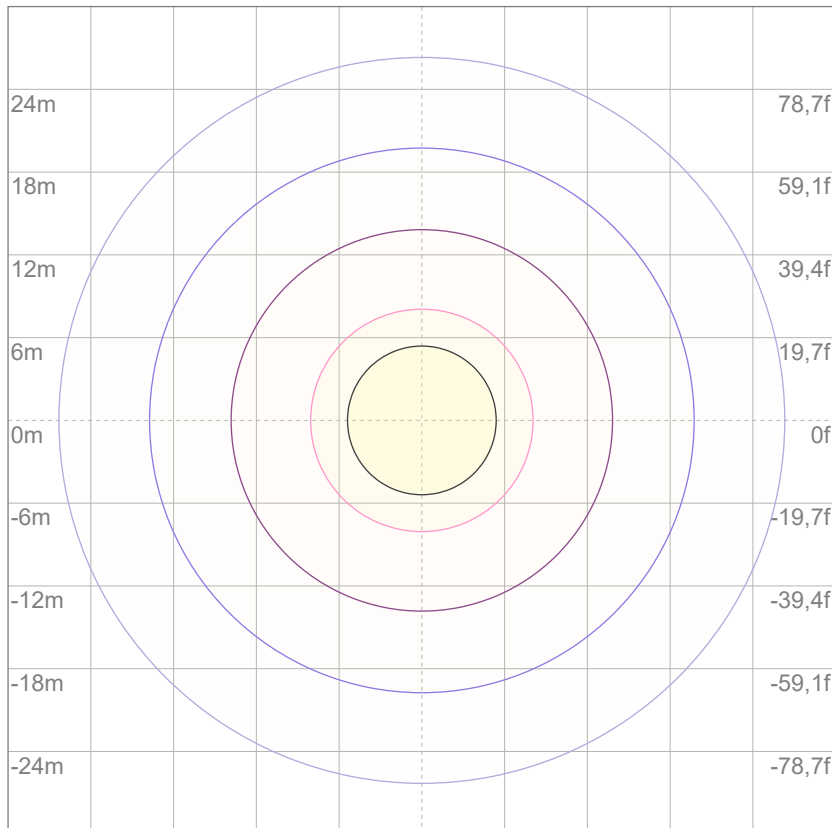
10%	522 cd
20%	1043 cd
30%	1565 cd
40%	2087 cd
50%	2609 cd
60%	3130 cd
70%	3652 cd
80%	4174 cd

Conditions:

Number of c-planes: 2

Candela at center: 5217 cd

## ISO LUX DIAGRAM



3%	1,57 lx
5%	2,61 lx
10%	5,22 lx
30%	15,7 lx
50%	26,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 52,2 lx

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



Total lumen output:

8520 lm

Peak candela output:

17837 cd

Light quality:

CRI: 96,6

Color temperature:

2643 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60° Filter

Target:

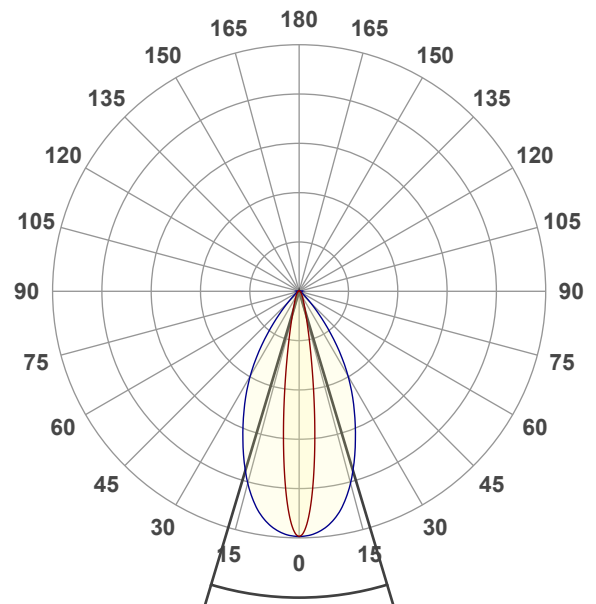
Warm White

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:58:50

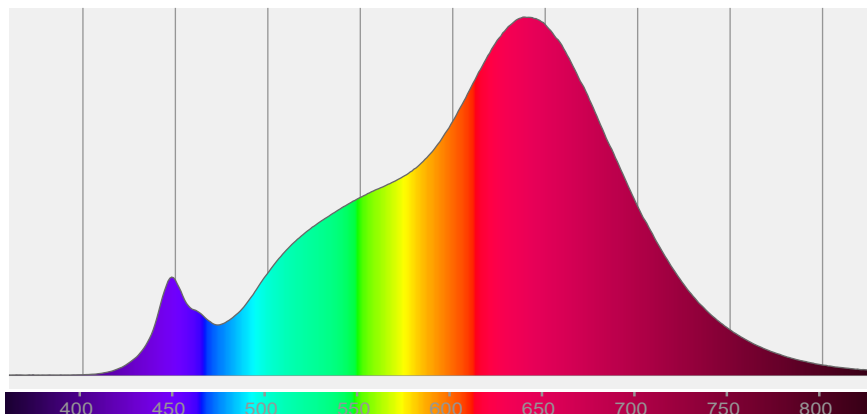


Beam angle 50%: 33,4°

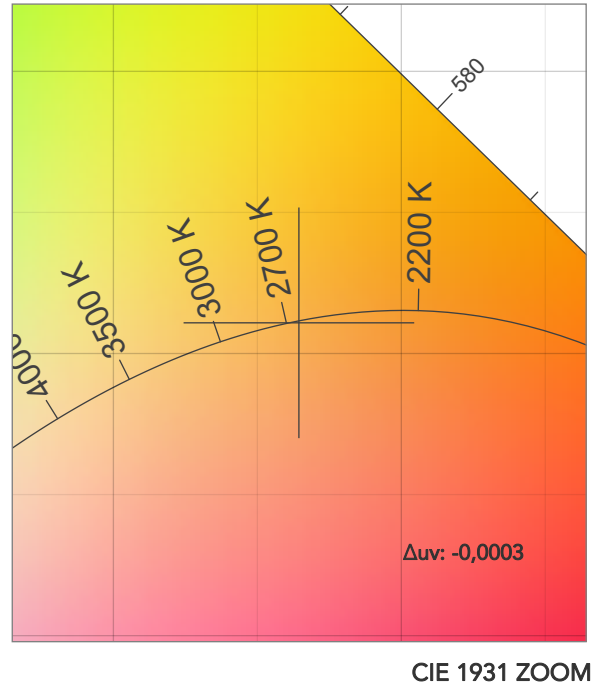
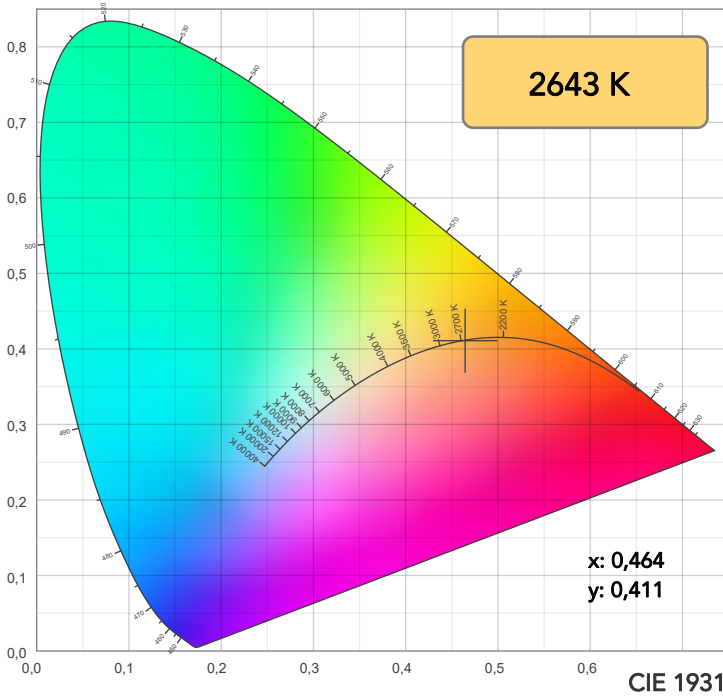
Field angle 10%: 58,4°

Cut off angle 2.5%: 84,1°

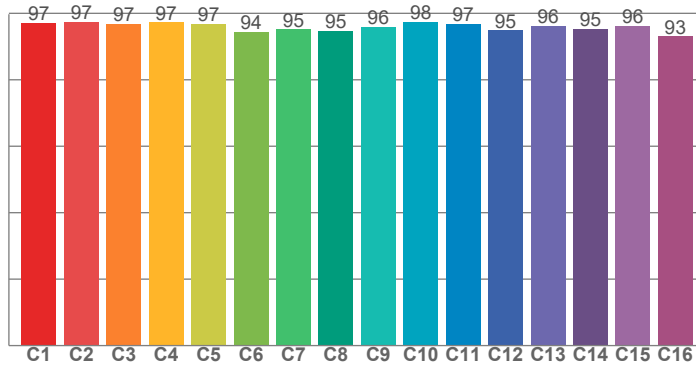
Spectra



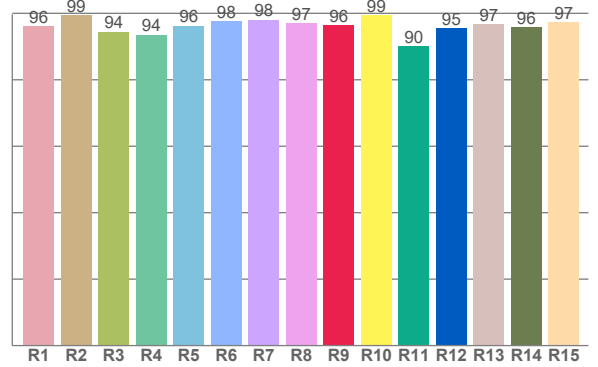
# COLOR DETAILS



TM30: 96,2



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
96,1	99,4	94,5	93,5	96,3	97,7	98,0	97,0	96,5	99,3	90,2	95,5	96,7	95,7	97,4

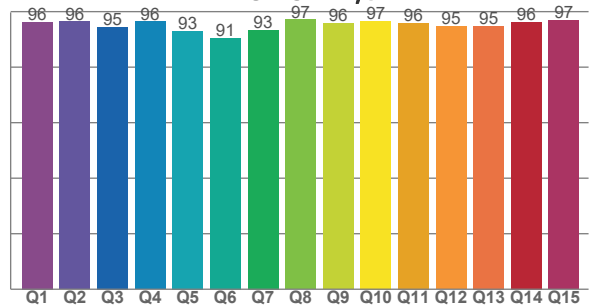
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

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
2643 K	96,6	96,5	96,2	103,3	94,6	98	0,464	0,411	-0,0003

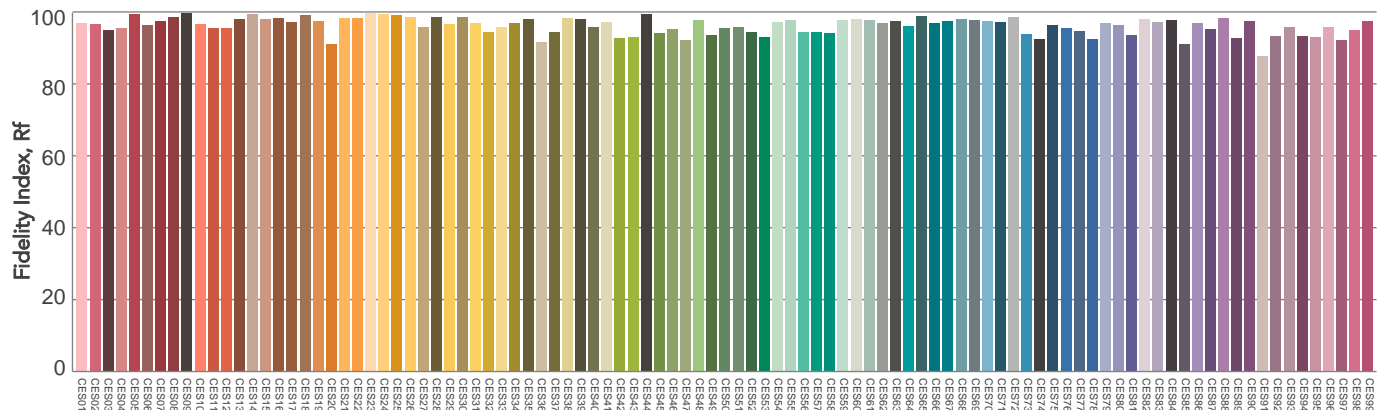
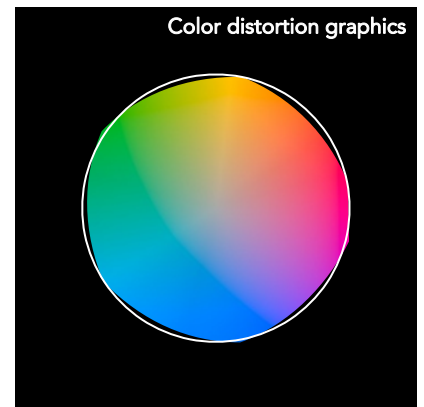
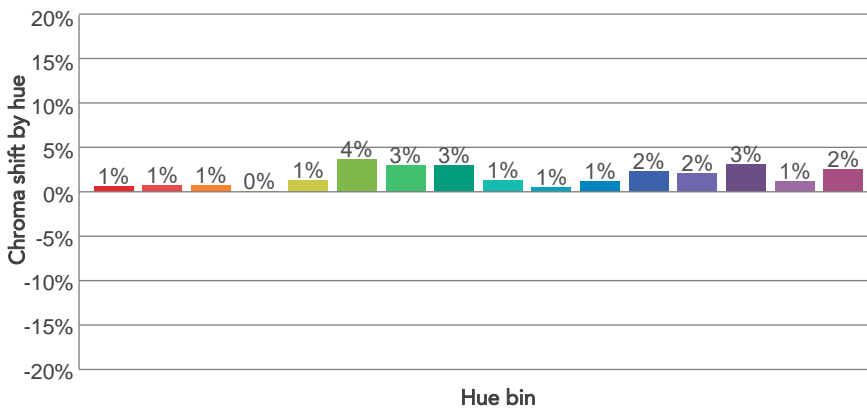
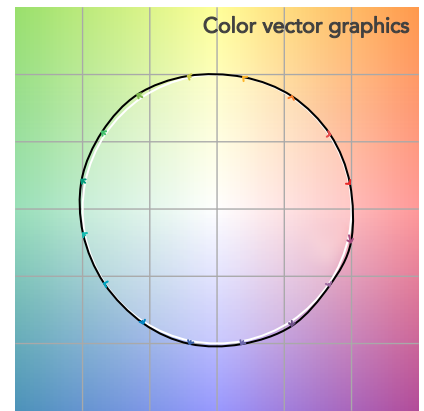
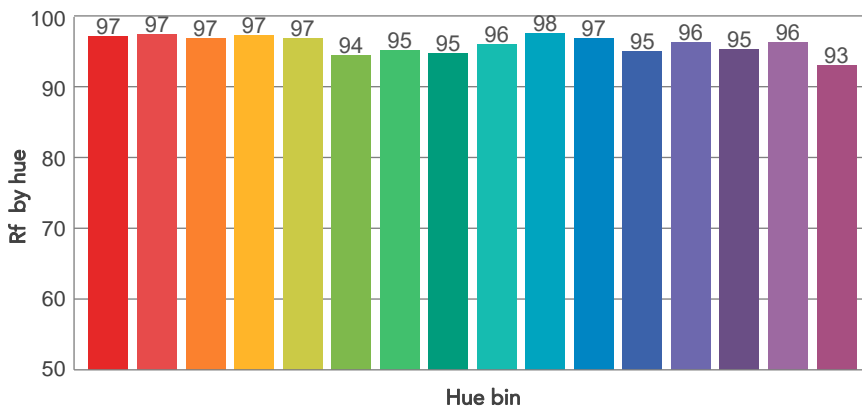
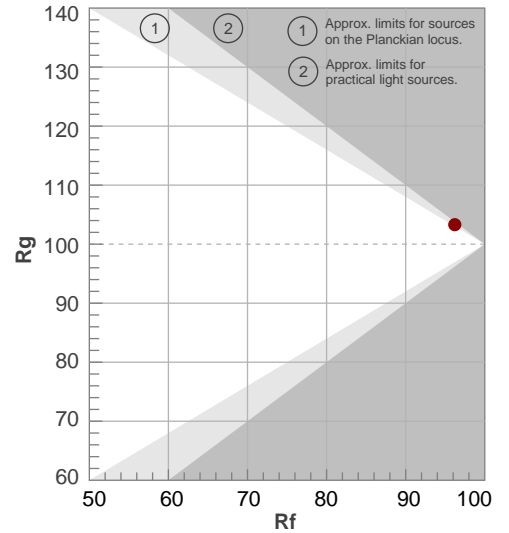


# TM30 DETAILS

**Rf 96,2**  
Fidelity index Rf

**Rg 103,3**  
Gammut index

Hue Bin	R <sub>f</sub>	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	94	4%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	98	1%	-1%
11	97	1%	2%
12	95	2%	0%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%

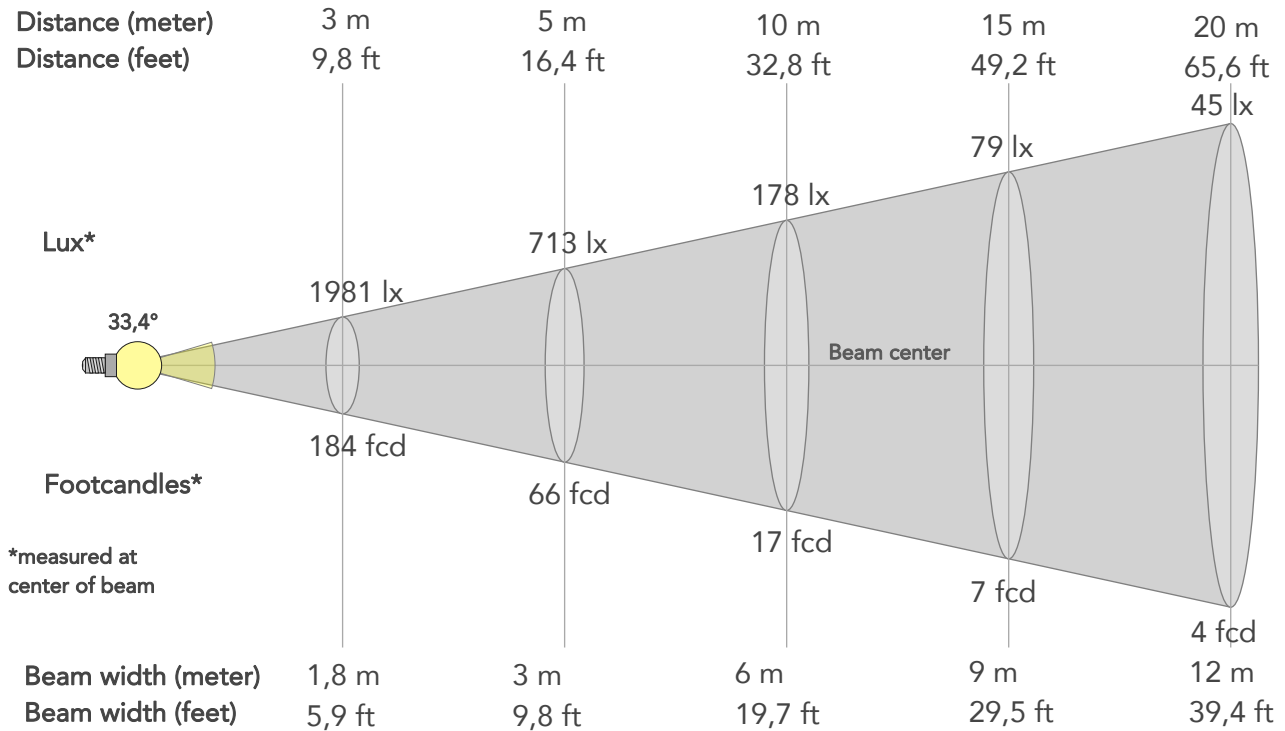


Color Evaluation Sample

# BEAM DETAILS



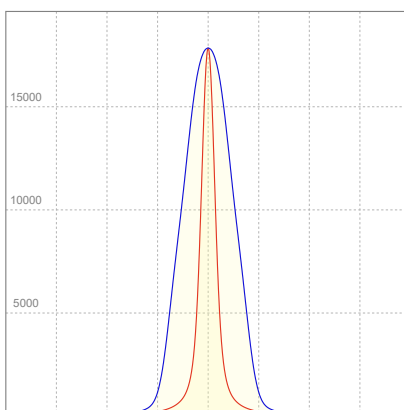
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,4°	84,1°	97,5%	92,4%



## 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	17830lx	4458lx	1981lx	1114lx	713lx	317lx	178lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1656fcd	414fcd	184fcd	104fcd	66fcd	29fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59,1ft	78,7ft	98,4ft

## LINEAR DISTRIBUTION DIAGRAM

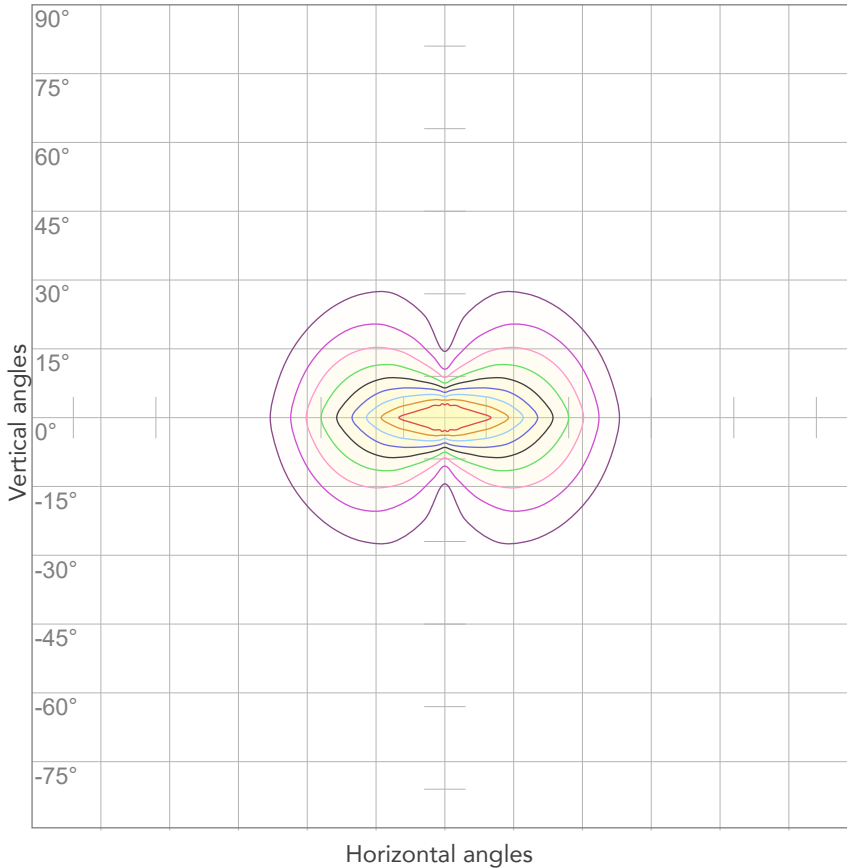


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,572A	125,5W	0,97	68lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



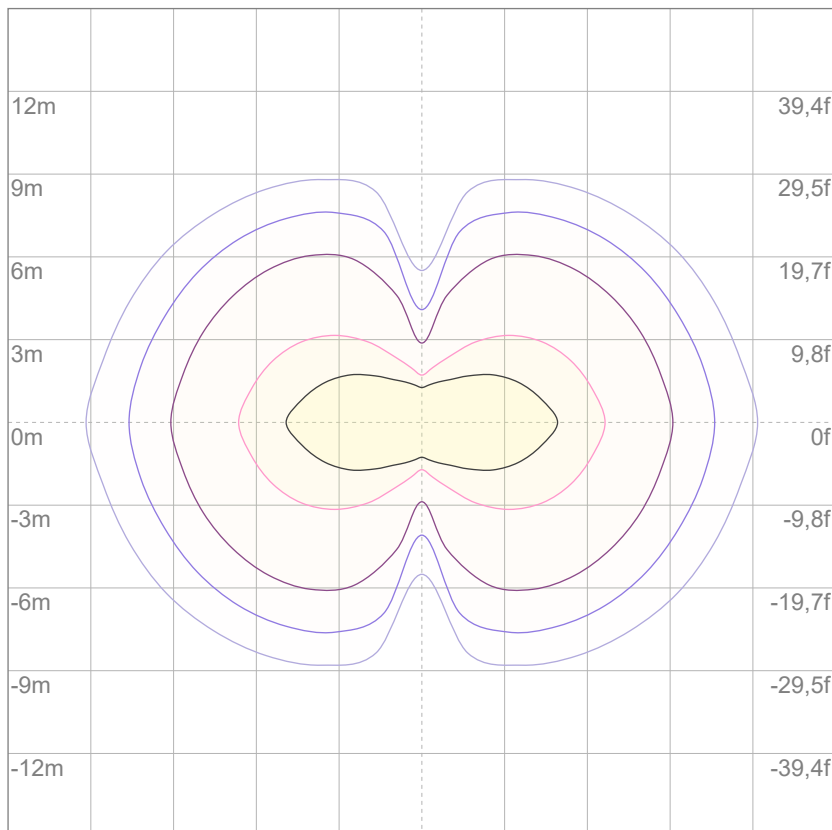
10%	1783 cd
20%	3566 cd
30%	5349 cd
40%	7132 cd
50%	8915 cd
60%	10698 cd
70%	12481 cd
80%	14264 cd

Conditions:

Number of c-planes: 4

Candela at center: 17830 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.*

Mounting height: 10 meters (33 feet)



Total lumen output:

6308 lm

Peak candela output:

9191 cd

Light quality:

CRI: 96,6

Color temperature:

2649 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASUREMENT CONDITIONS:**

**Beam angle:**

10° + 30°x60° Filter

**Target:**

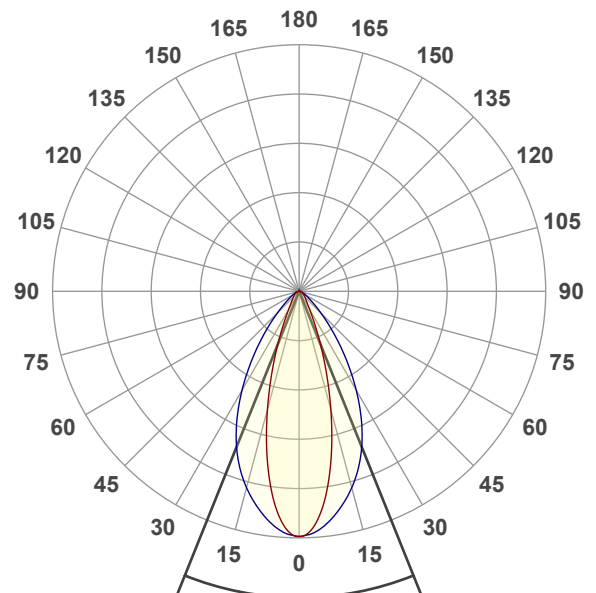
Warm White

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 16:44:58

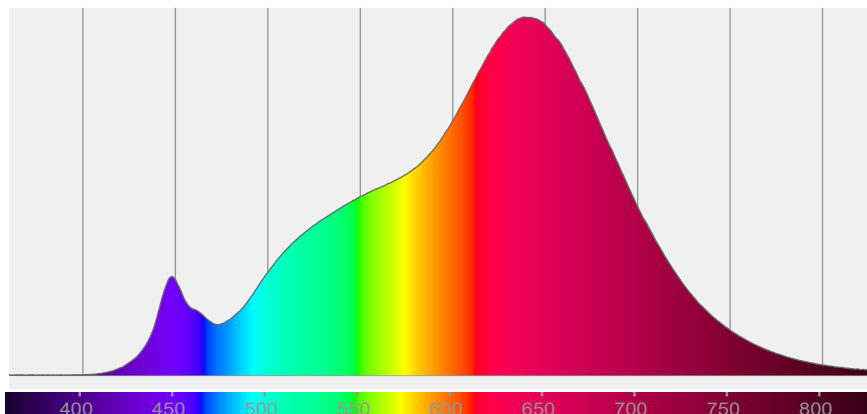


Beam angle 50%: 43,8°

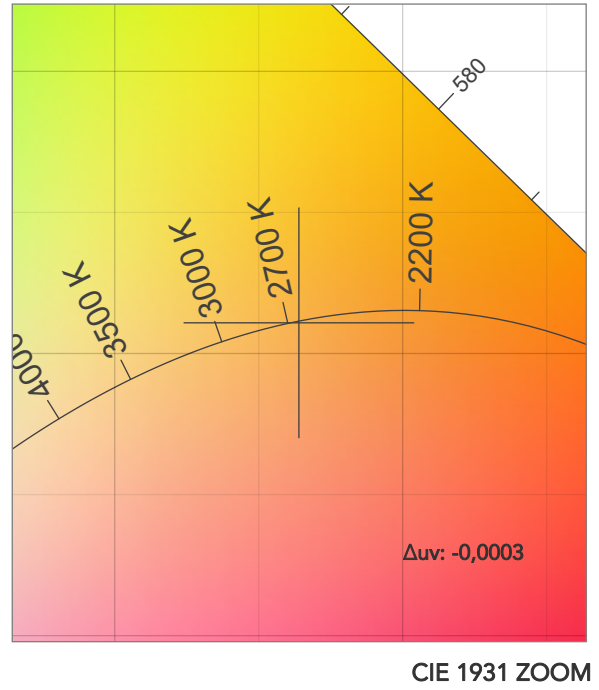
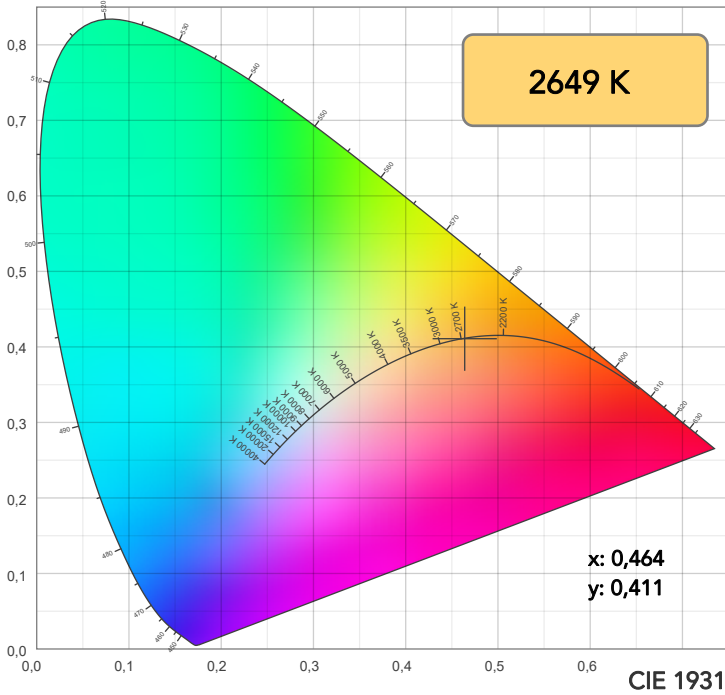
Field angle 10%: 75,8°

Cut off angle 2.5%: 113,8°

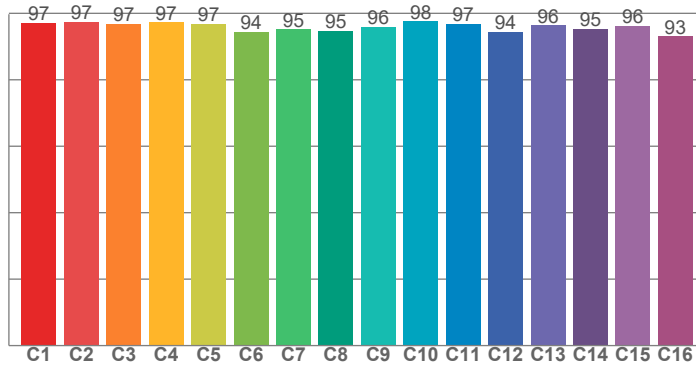
**Spectra**



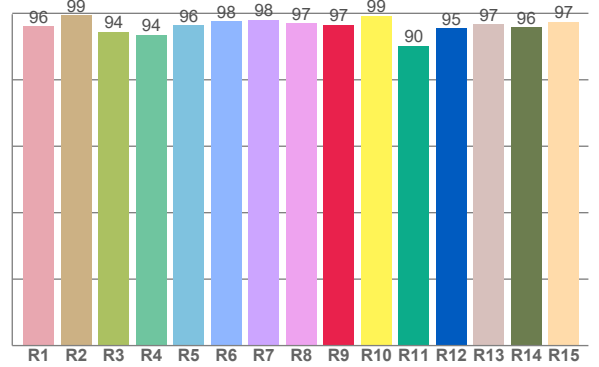
# COLOR DETAILS



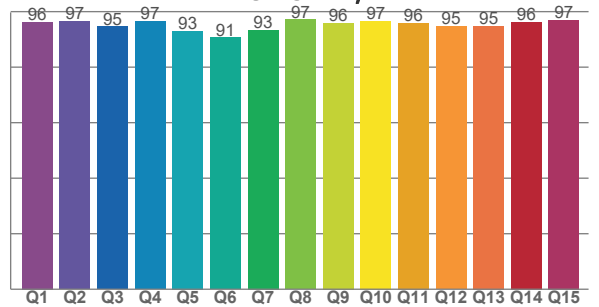
**TM30: 96,2**



**CRI: 96,6 (R1-R8)**



**CQS: 94,7**



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
96,1	99,4	94,5	93,6	96,3	97,7	98,0	97,0	96,5	99,3	90,2	95,4	96,7	95,7	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
97,1	97,4	96,9	97,2	96,9	94,4	95,2	94,8	96,0	97,5	96,9	94,4	96,3	95,3	96,2	93,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	96,5	94,6	96,5	93,0	90,6	93,5	97,1	95,8	96,7	95,9	94,7	94,8	96,3	96,9

## COLOR PARAMETERS

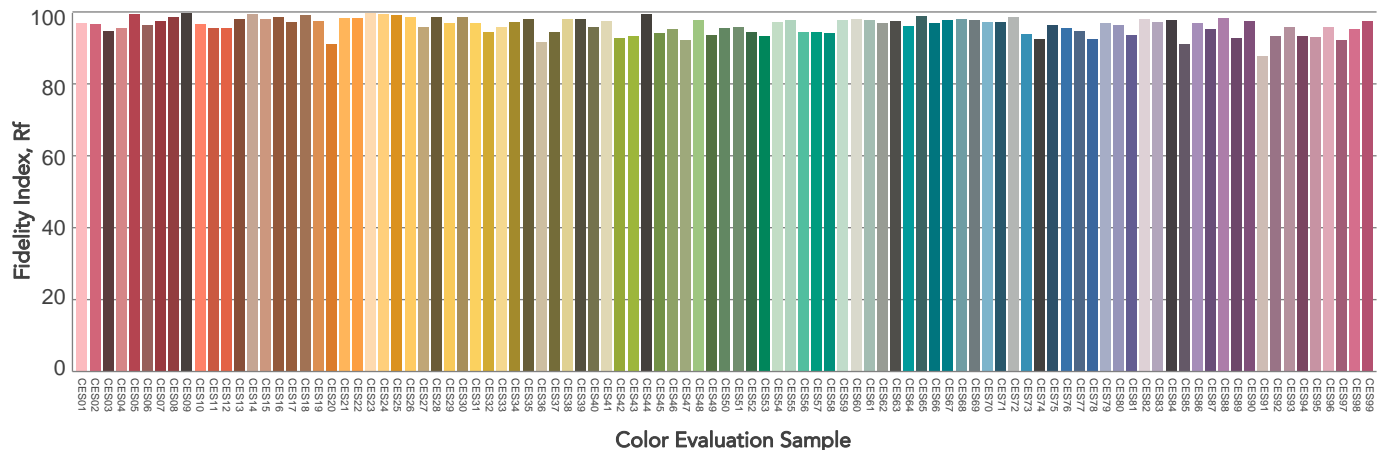
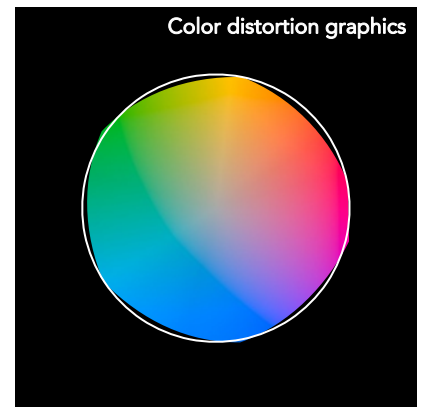
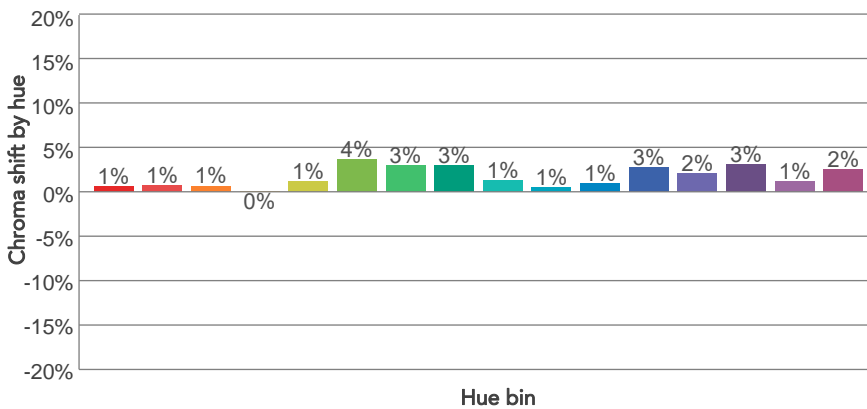
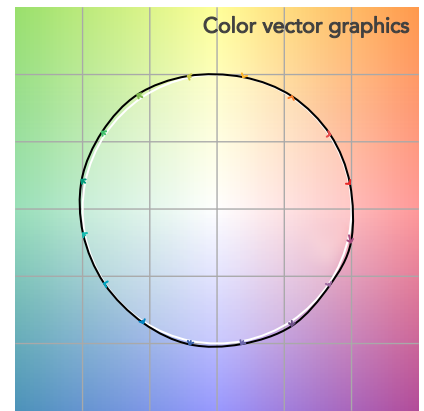
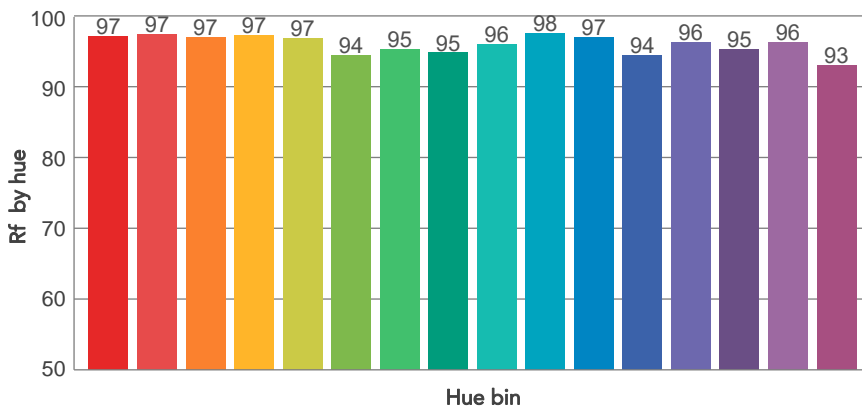
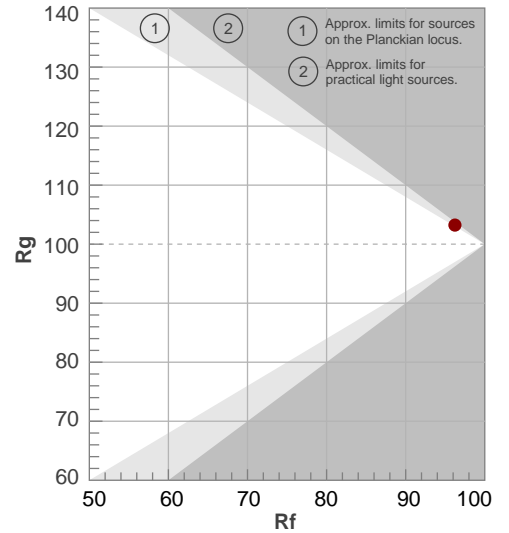
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2649 K	96,6	96,5	96,2	103,2	94,7	98	0,464	0,411	-0,0003

# TM30 DETAILS

**Rf 96,2**  
Fidelity index Rf

**Rg 103,2**  
Gammut index

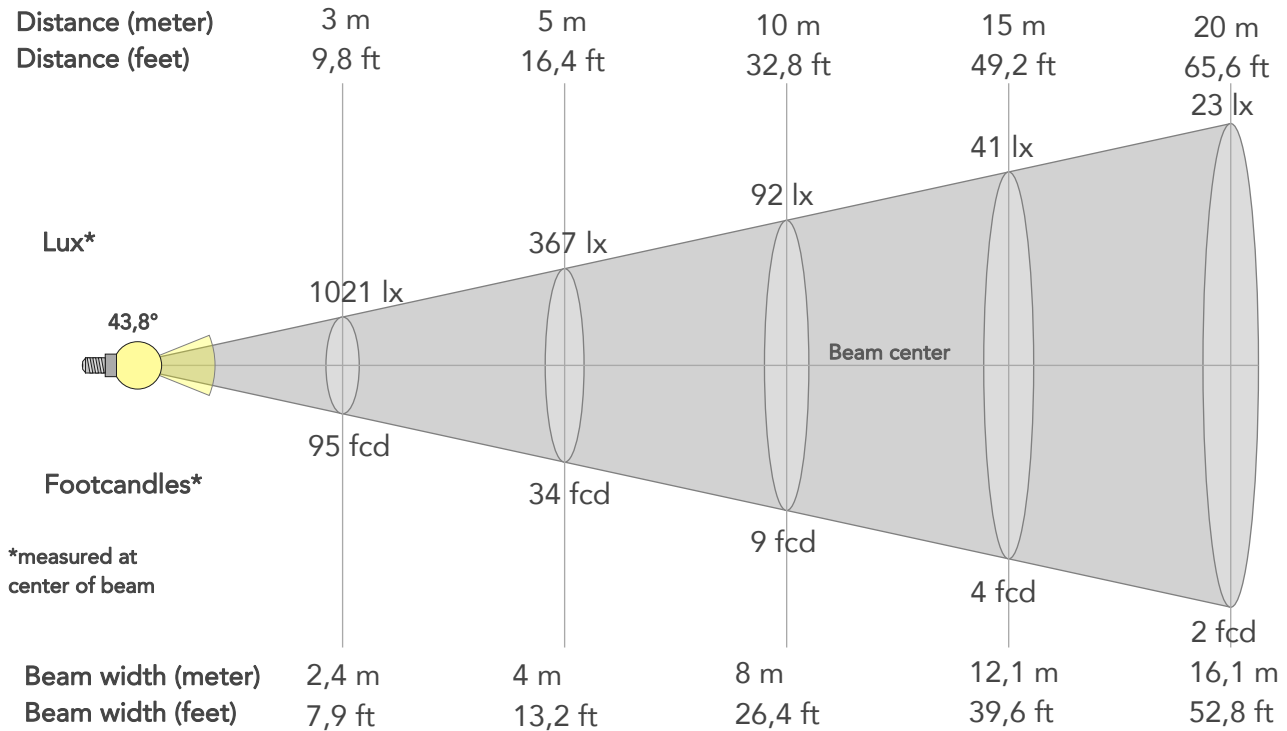
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	1%	2%
6	94	4%	2%
7	95	3%	0%
8	95	3%	-2%
9	96	1%	-2%
10	98	1%	-1%
11	97	1%	1%
12	94	3%	0%
13	96	2%	-2%
14	95	3%	-2%
15	96	1%	-1%
16	93	2%	-5%



# BEAM DETAILS



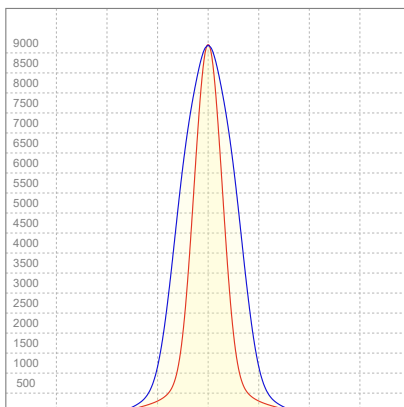
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,8°	113,8°	96,1%	87,9%



## 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	9186lx	2296lx	1021lx	574lx	367lx	163lx	92lx	41lx	23lx	15lx	10lx	6lx	4lx
Footcand.	853fcd	213fcd	95fcd	53fcd	34fcd	15fcd	9fcd	4fcd	2fcd	1fcd	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	79,1ft	105,5ft	131,9ft

## LINEAR DISTRIBUTION DIAGRAM

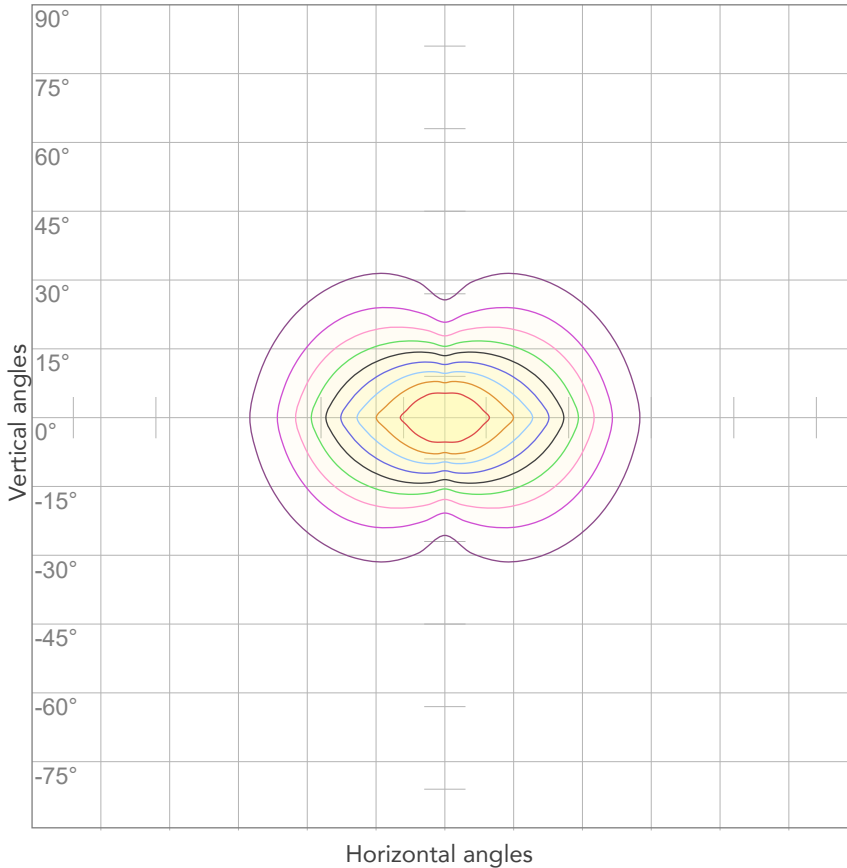


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,572A	125,6W	0,98	50lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



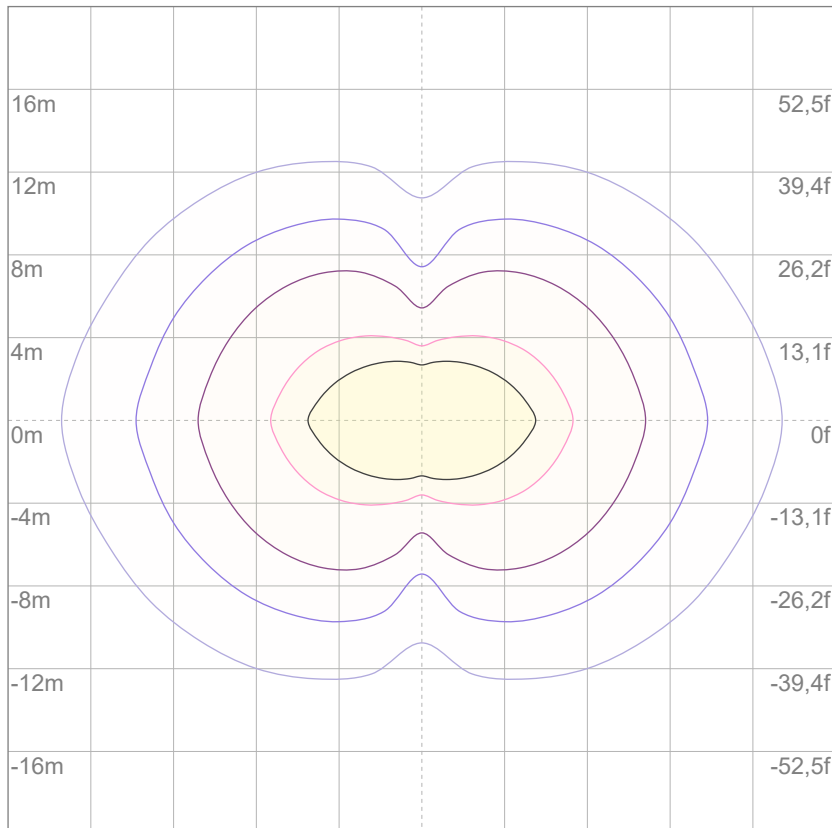
10%	919 cd
20%	1837 cd
30%	2756 cd
40%	3674 cd
50%	4593 cd
60%	5511 cd
70%	6430 cd
80%	7348 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 9186 cd

## ISO LUX DIAGRAM



3%	2,76 lx
5%	4,59 lx
10%	9,19 lx
30%	27,6 lx
50%	45,9 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 91,9 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:

9248 lm

Peak candela output:

186310 cd

Light quality:

CRI: 92,5

Color temperature:

6697 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10°**

**Target:**

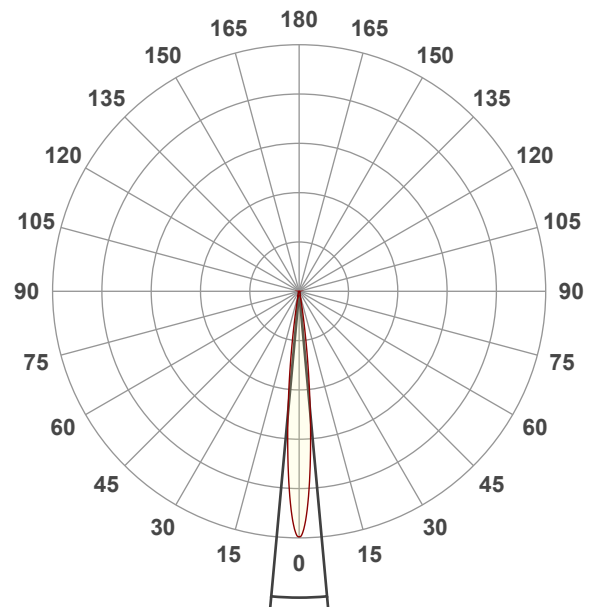
**Cold White**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:07:12**

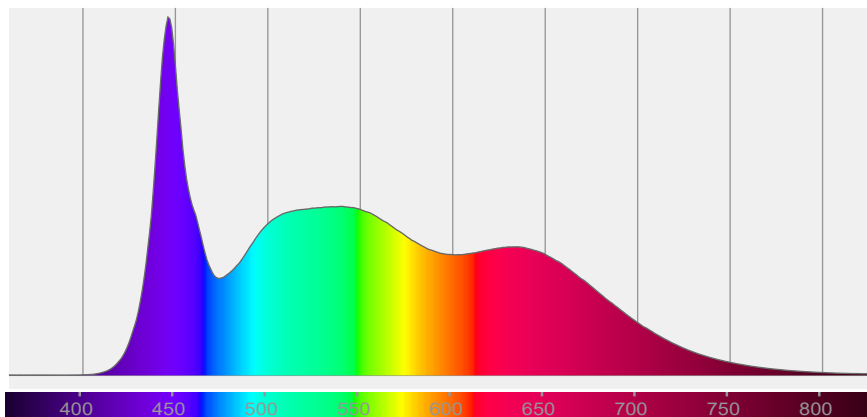


**Beam angle 50%: 10,5°**

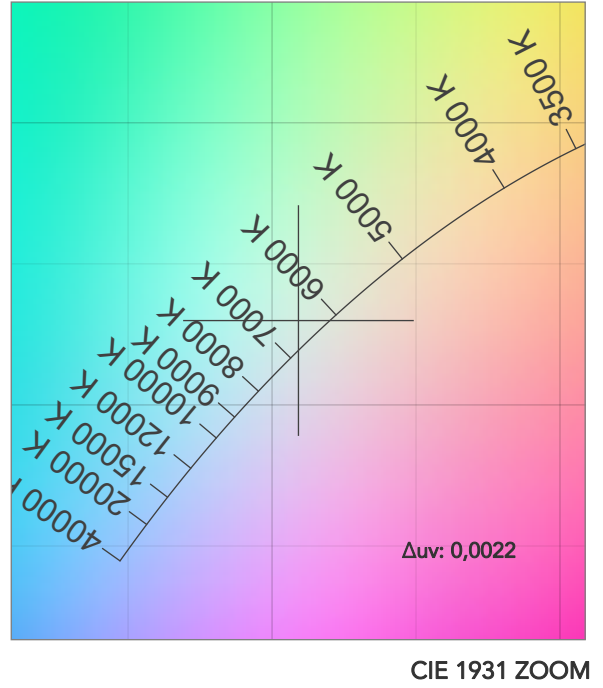
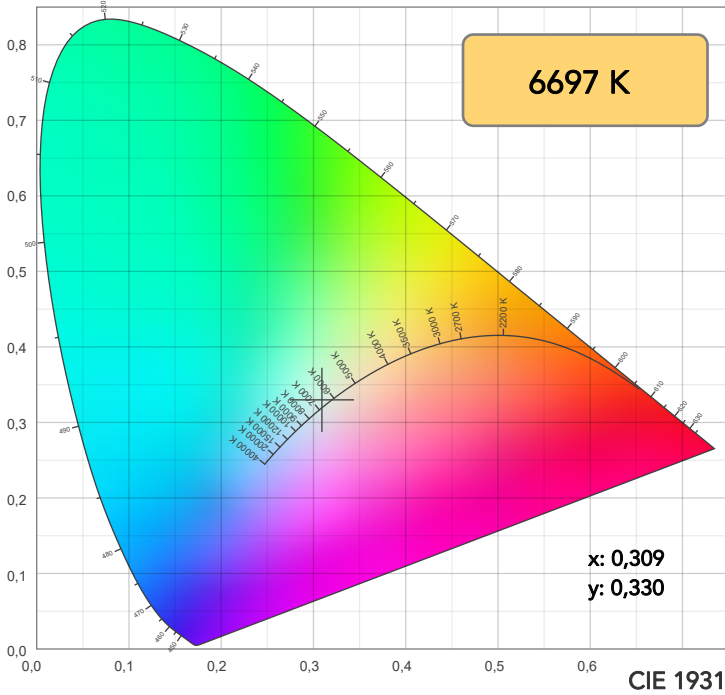
**Field angle 10%: 18,6°**

**Cut off angle 2.5%: 25,7°**

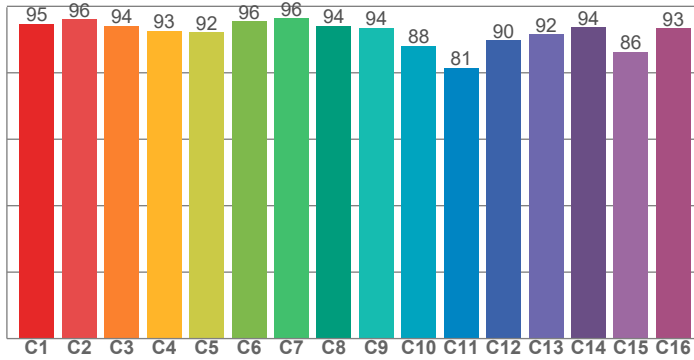
**Spectra**



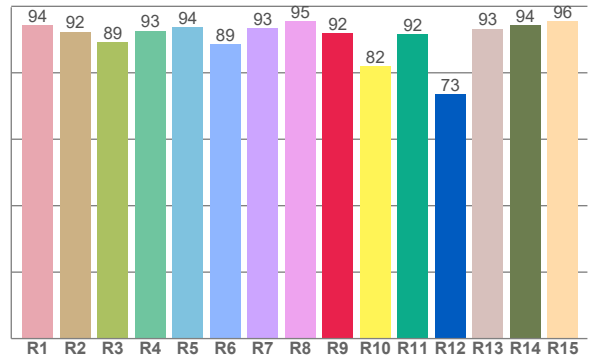
# COLOR DETAILS



**TM30: 92,1**



**CRI: 92,5 (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	92,3	89,3	92,7	93,6	88,7	93,4	95,4	91,9	81,9	91,6	73,4	93,3	94,3	95,5

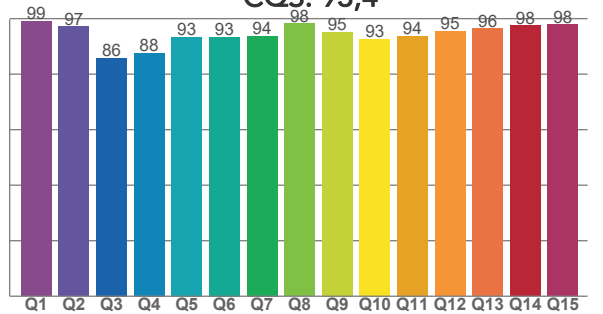
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,8	96,1	94,1	92,6	92,2	95,5	96,4	94,1	93,5	88,0	81,4	89,8	91,6	93,7	86,3	93,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	97,1	85,9	87,7	93,3	93,4	93,8	98,2	95,2	92,6	93,8	95,4	96,4	97,5	97,8

**CQS: 93,4**



## COLOR PARAMETERS

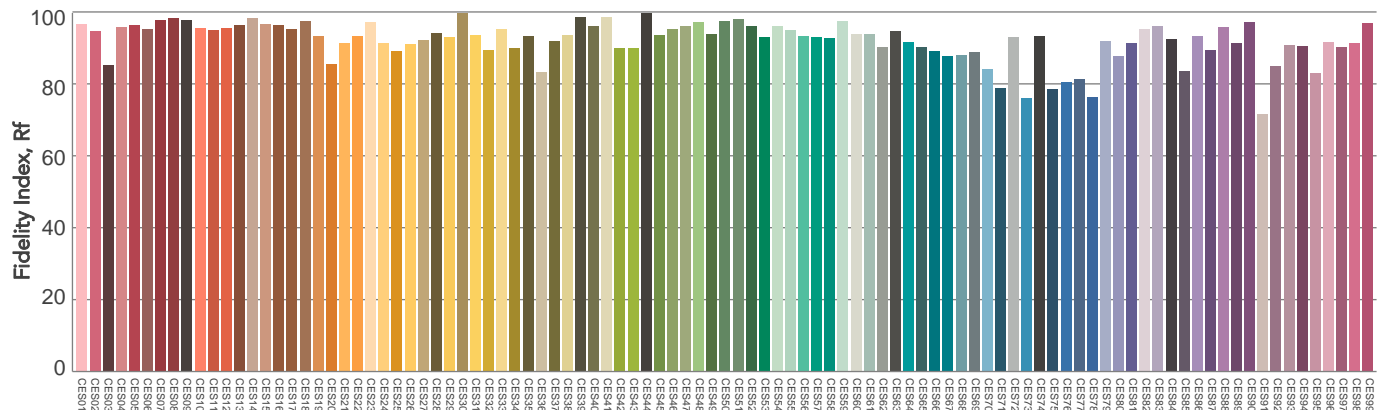
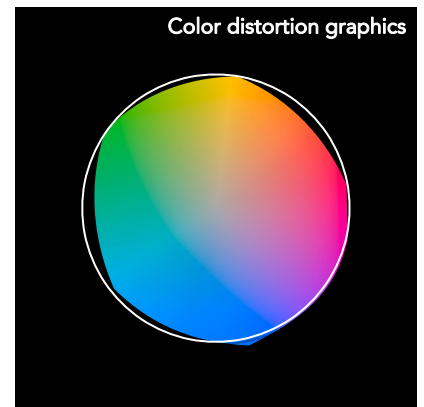
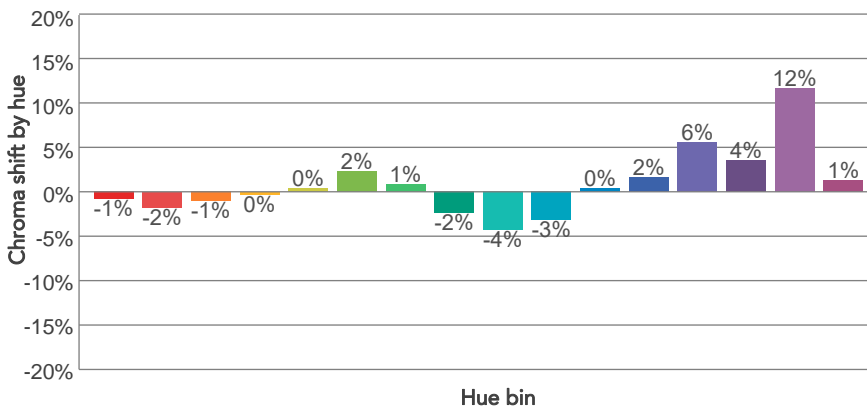
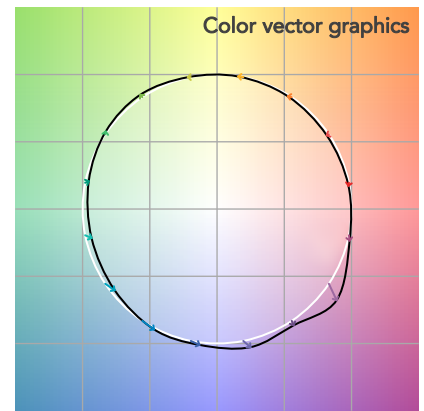
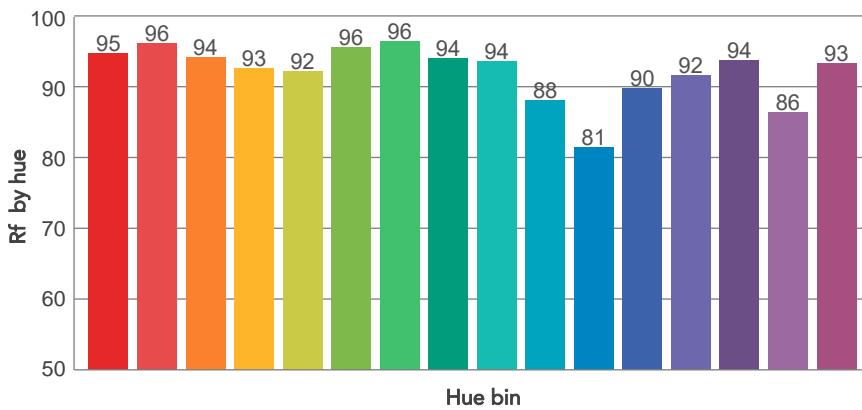
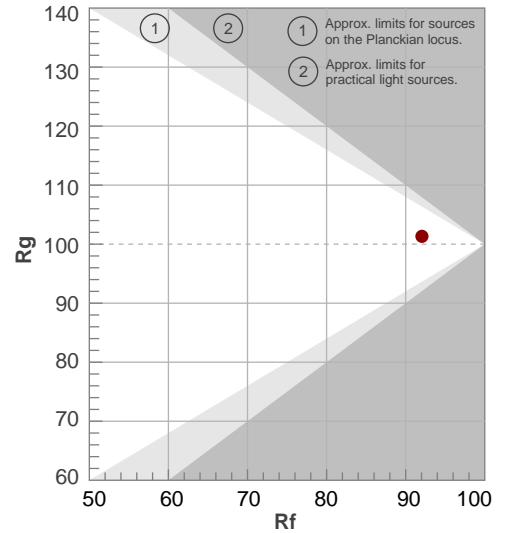
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6697 K	92,5	91,9	92,1	101,3	93,4	98	0,309	0,330	0,0022

# TM30 DETAILS

**Rf 92,1**  
Fidelity index Rf

**Rg 101,3**  
Gammut index

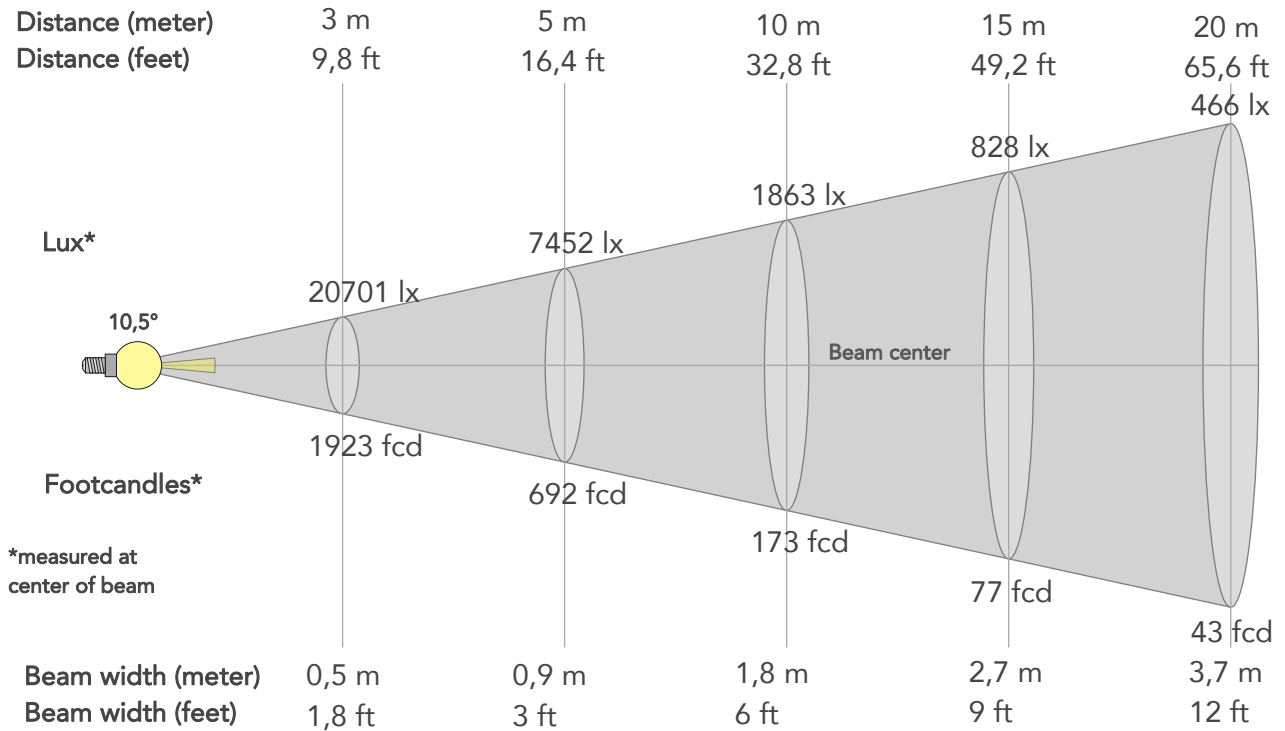
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	96	-2%	0%
3	94	-1%	3%
4	93	0%	4%
5	92	0%	2%
6	96	2%	0%
7	96	1%	-2%
8	94	-2%	-2%
9	94	-4%	3%
10	88	-3%	8%
11	81	0%	11%
12	90	2%	7%
13	92	6%	4%
14	94	4%	-1%
15	86	12%	-7%
16	93	1%	-4%



# BEAM DETAILS



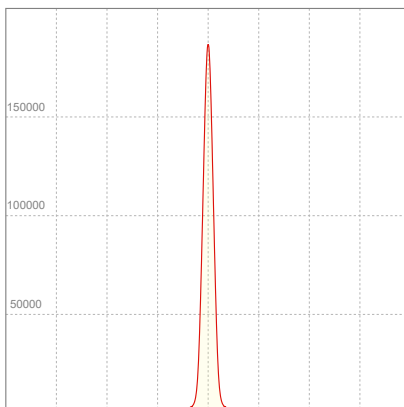
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,6°	25,7°	97,1%	93,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	186310lx	46577lx	20701lx	11644lx	7452lx	3312lx	1863lx	828lx	466lx	298lx	207lx	116lx	75lx
Footcand.	17309fcd	4327fcd	1923fcd	1082fcd	692fcd	308fcd	173fcd	77fcd	43fcd	28fcd	19fcd	11fcd	7fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,7m	4,6m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15ft	18ft	24ft	30ft

## LINEAR DISTRIBUTION DIAGRAM

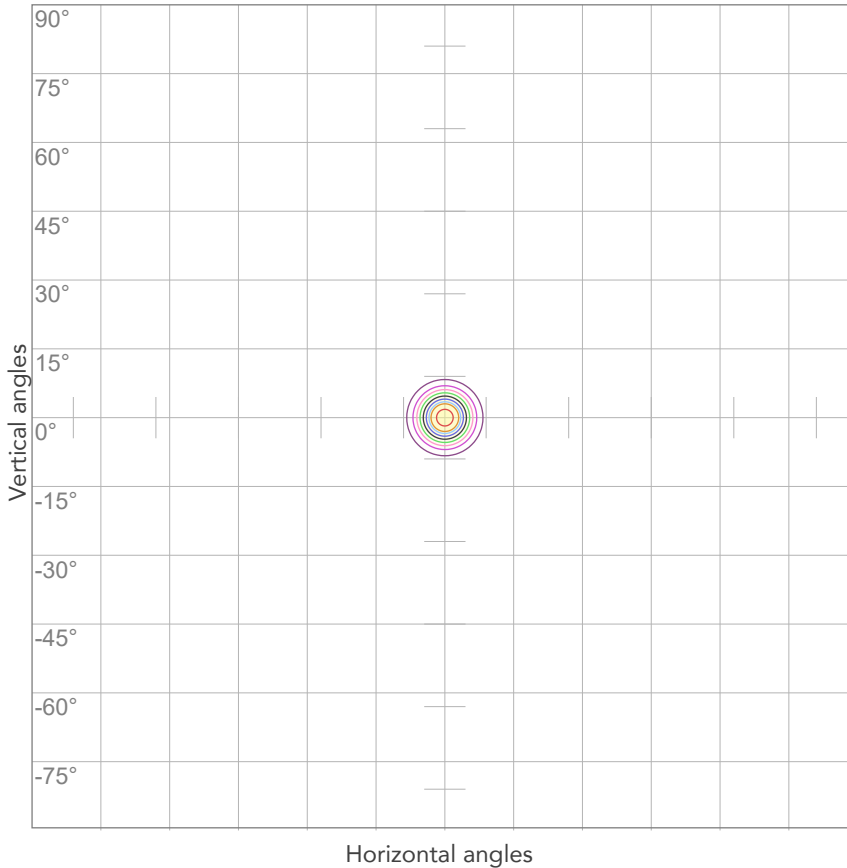


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,580A	127,8W	0,97	72lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



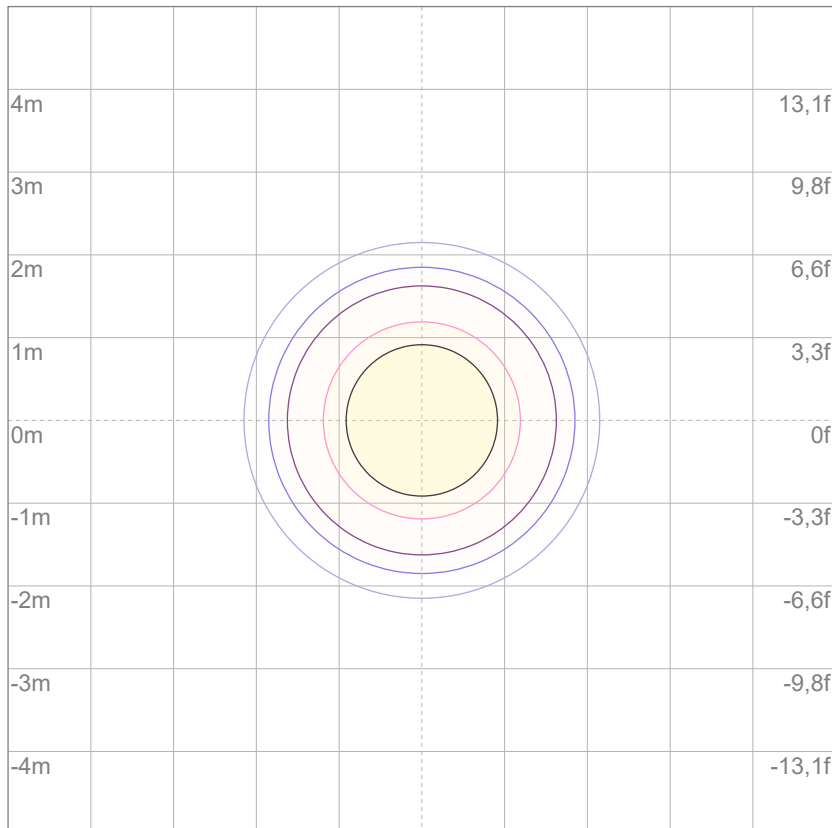
10%	18631 cd
20%	37262 cd
30%	55893 cd
40%	74524 cd
50%	93155 cd
60%	111786 cd
70%	130417 cd
80%	149048 cd

Conditions:

Number of c-planes: 2

Candela at center: 186310 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	55,9 lx
5%	93,2 lx
10%	186 lx
30%	559 lx
50%	932 lx

Conditions:

Number of c-planes: 2

Lux at center: 1863 lx

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



Total lumen output:

8495 lm

Peak candela output:

33387 cd

Light quality:

CRI: 93,1

Color temperature:

6716 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 20° Filter**

**Target:**

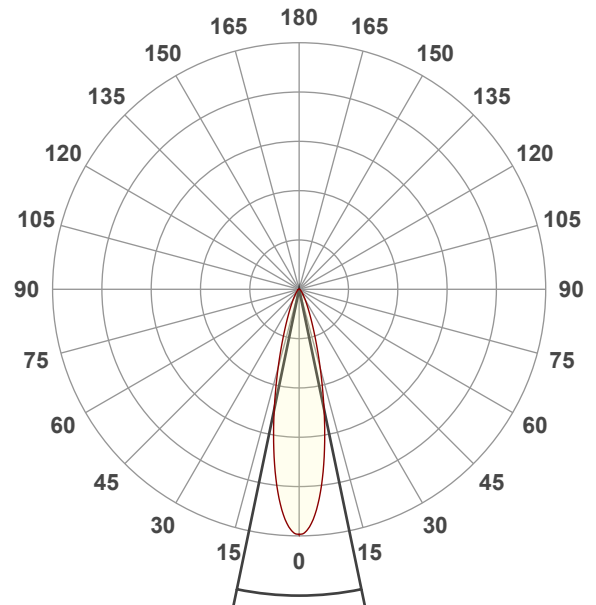
**Cold White**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:31:31**

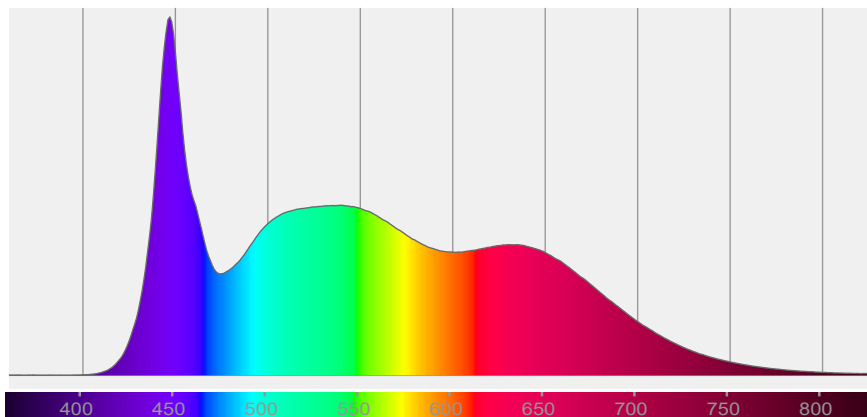


**Beam angle 50%: 23,5°**

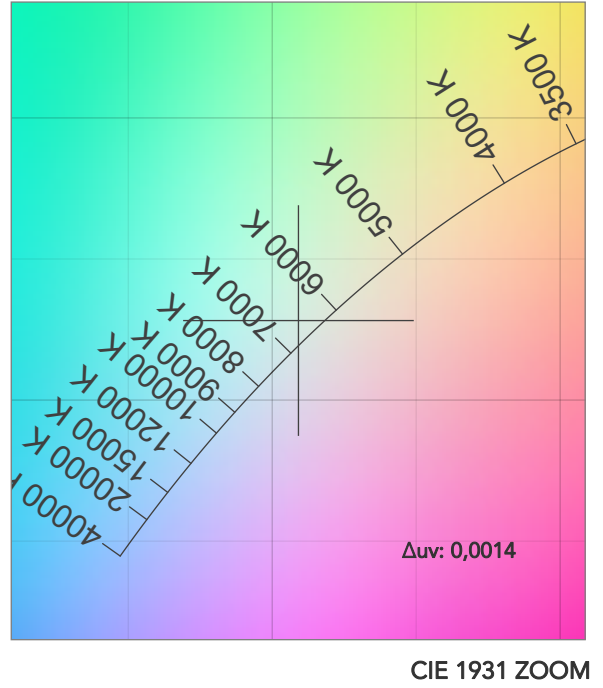
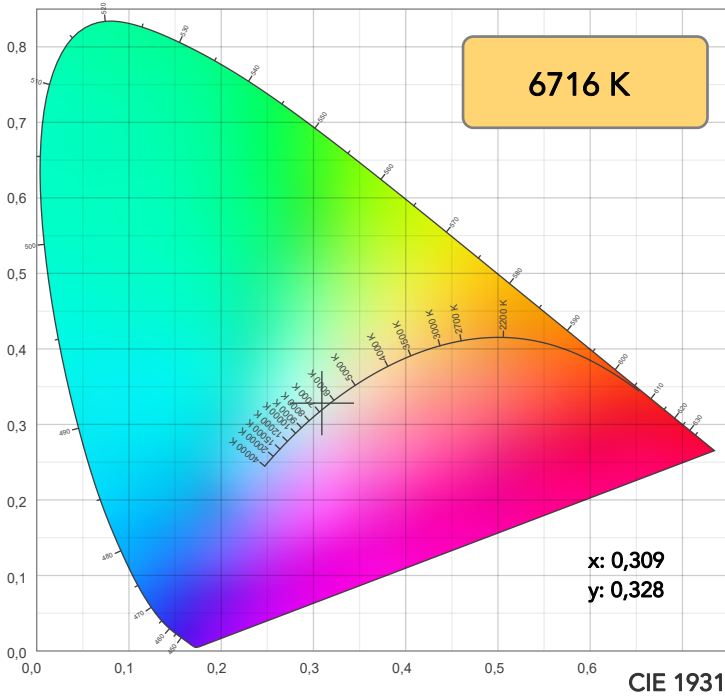
**Field angle 10%: 47,7°**

**Cut off angle 2.5%: 74,1°**

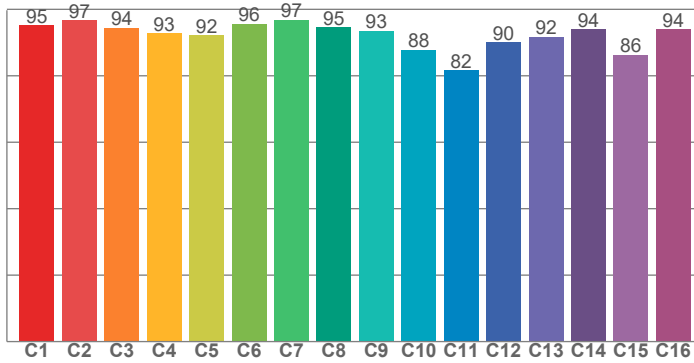
**Spectra**



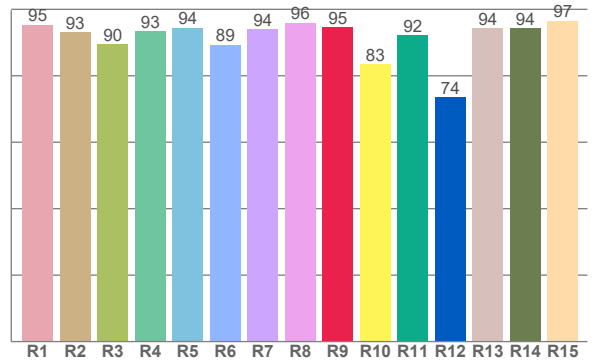
# COLOR DETAILS



**TM30: 92,3**



**CRI: 93,1 (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
95,3	93,1	89,6	93,4	94,5	89,3	94,0	96,0	94,5	83,4	92,1	73,6	94,3	94,3	96,6

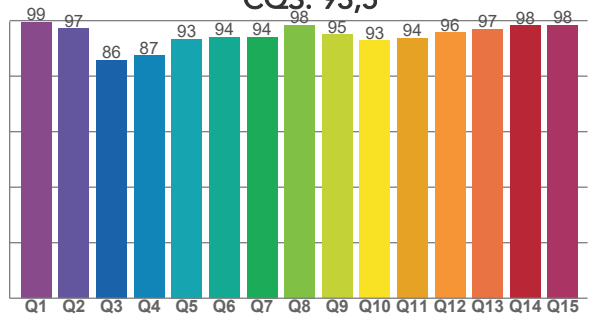
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,4	97,2	85,8	87,4	93,4	94,0	94,2	98,4	95,0	92,8	93,8	95,7	97,0	98,2	98,4

**CQS: 93,5**



## COLOR PARAMETERS

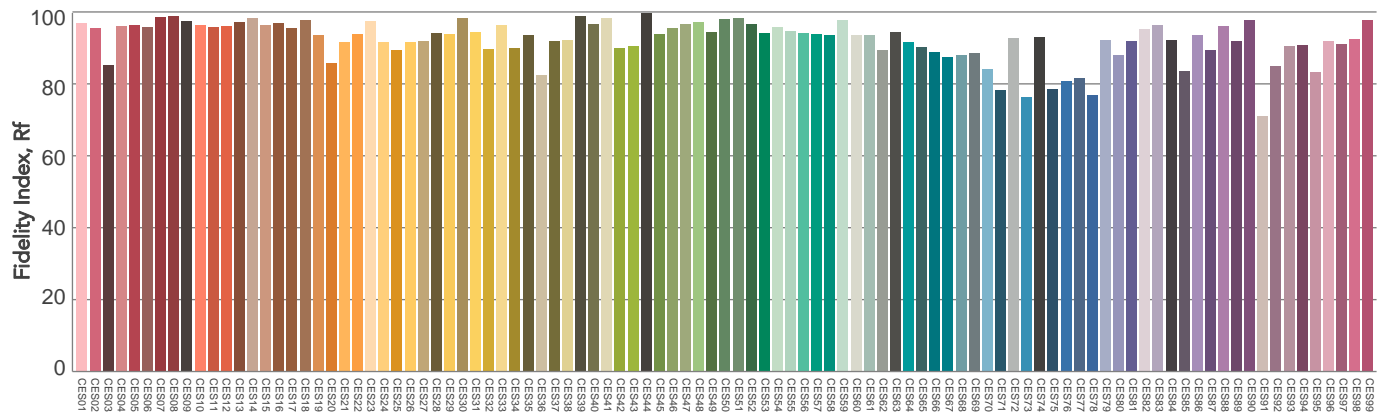
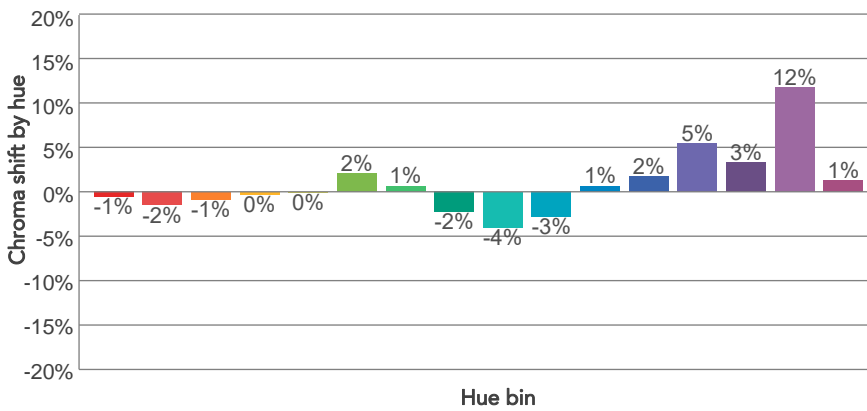
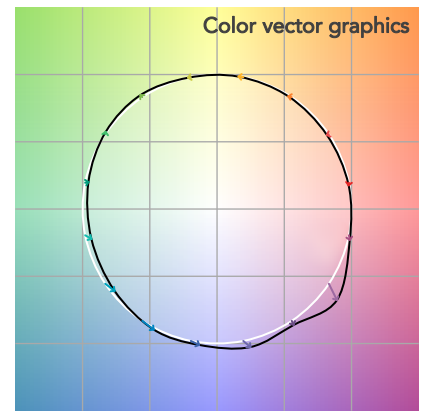
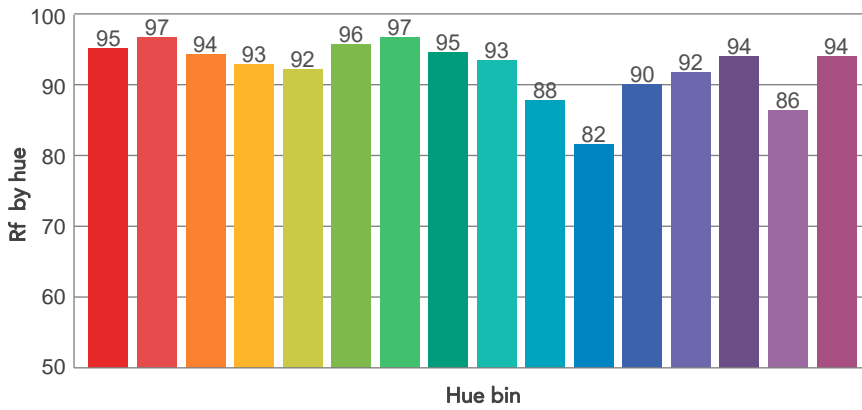
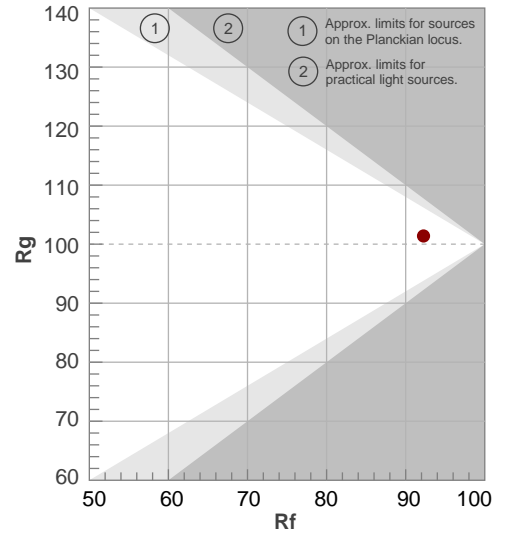
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6716 K	93,1	94,5	92,3	101,4	93,5	98	0,309	0,328	0,0014

# TM30 DETAILS

**Rf 92,3**  
Fidelity index Rf

**Rg 101,4**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-2%	0%
3	94	-1%	2%
4	93	0%	4%
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	94	3%	0%
15	86	12%	-7%
16	94	1%	-3%

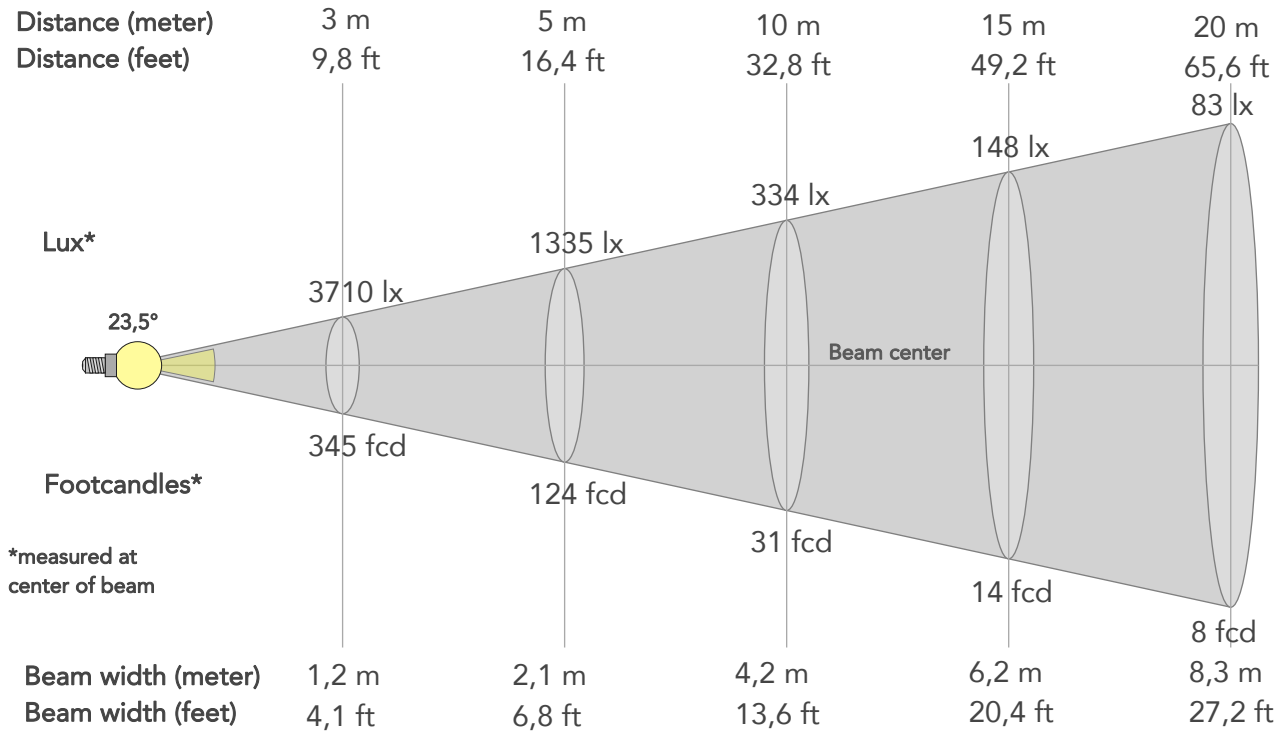




# BEAM DETAILS



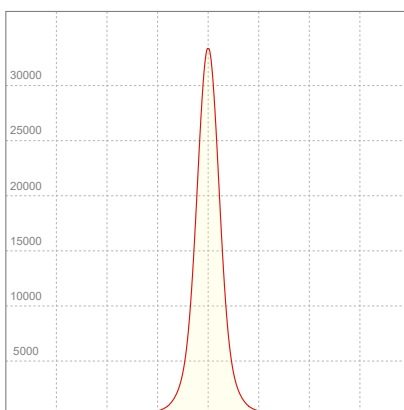
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,5°	47,7°	74,1°	97,0%	92,2%



## 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	33387lx	8347lx	3710lx	2087lx	1335lx	594lx	334lx	148lx	83lx	53lx	37lx	21lx	13lx
Footcand.	3102fcd	775fcd	345fcd	194fcd	124fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,2m	6,2m	8,3m	10,4m	12,5m	16,6m	20,8m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34,1ft	40,9ft	54,5ft	68,1ft

## LINEAR DISTRIBUTION DIAGRAM

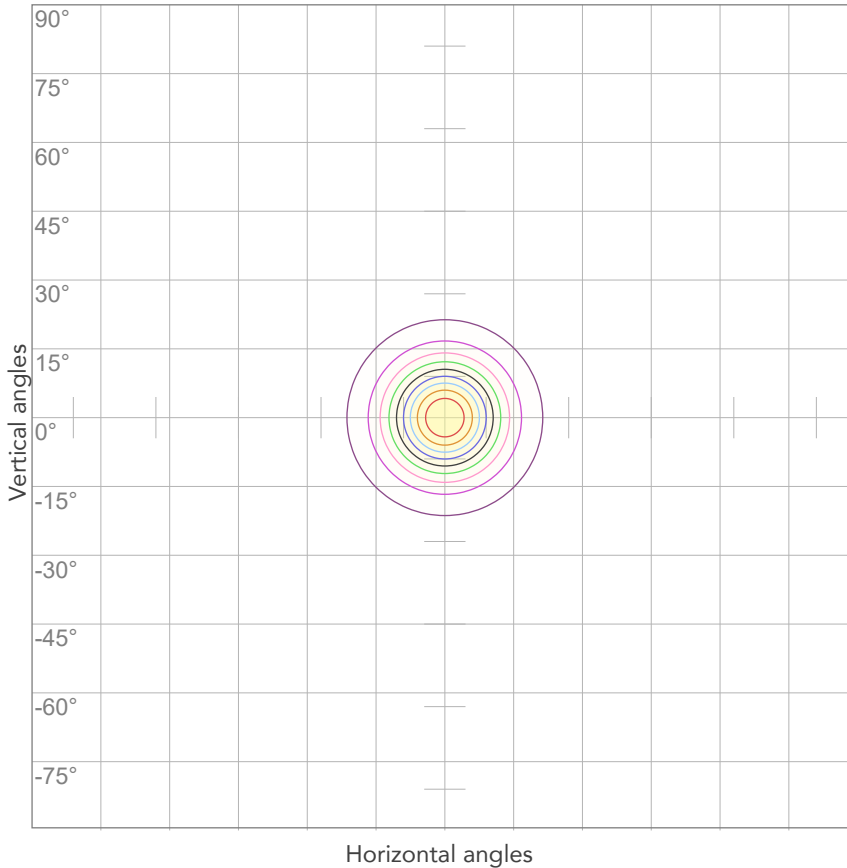


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,574A	125,9W	0,97	67lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



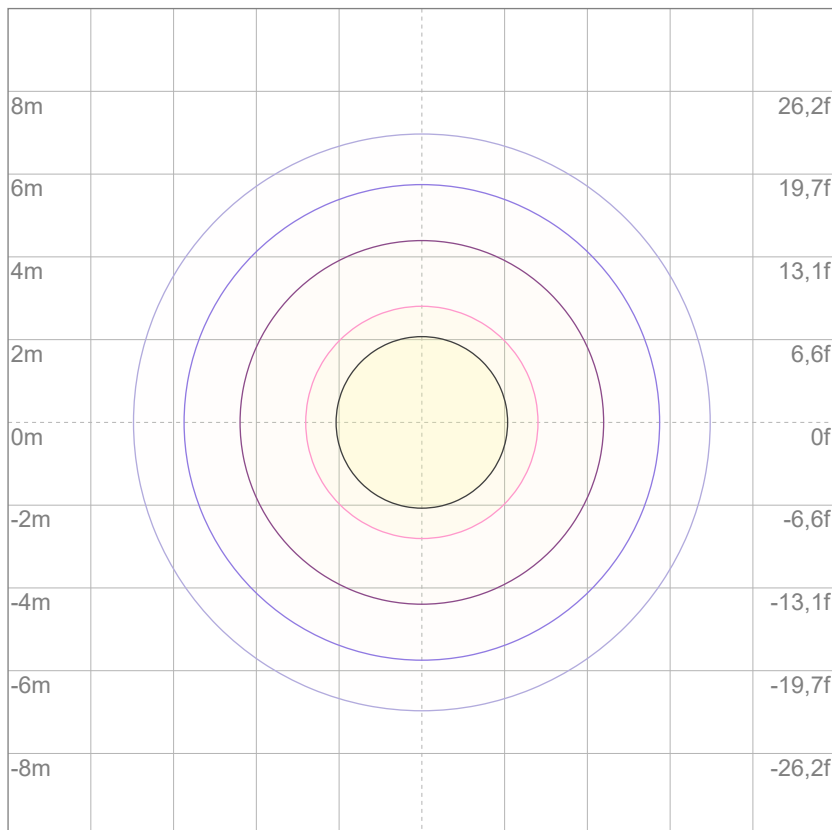
10%	3339 cd
20%	6677 cd
30%	10016 cd
40%	13355 cd
50%	16694 cd
60%	20032 cd
70%	23371 cd
80%	26710 cd

Conditions:

Number of c-planes: 2

Candela at center: 33387 cd

## ISO LUX DIAGRAM



3%	10,0 lx
5%	16,7 lx
10%	33,4 lx
30%	100 lx
50%	167 lx

Conditions:

Number of c-planes: 2

Lux at center: 334 lx

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



Total lumen output:

8332 lm

Peak candela output:

10496 cd

Light quality:

CRI: 93,4

Color temperature:

6777 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 40° Filter

**Target:**

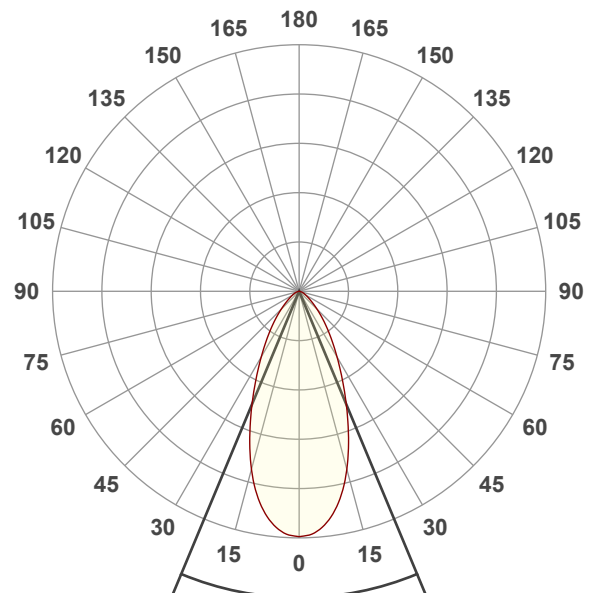
Cold White

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 14:49:33

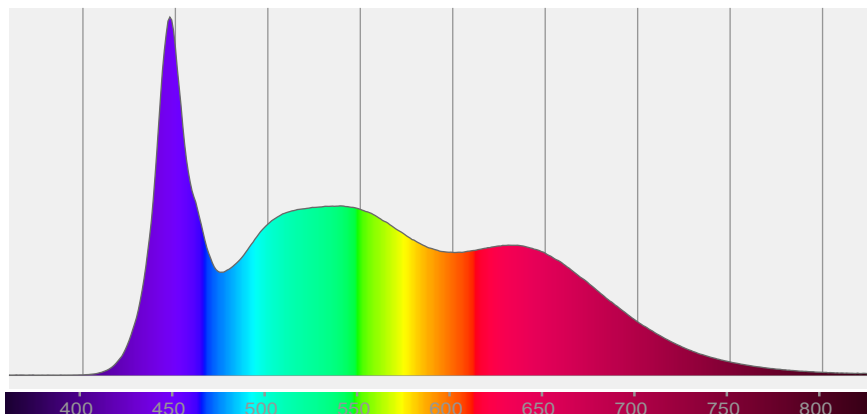


Beam angle 50%: 45,3°

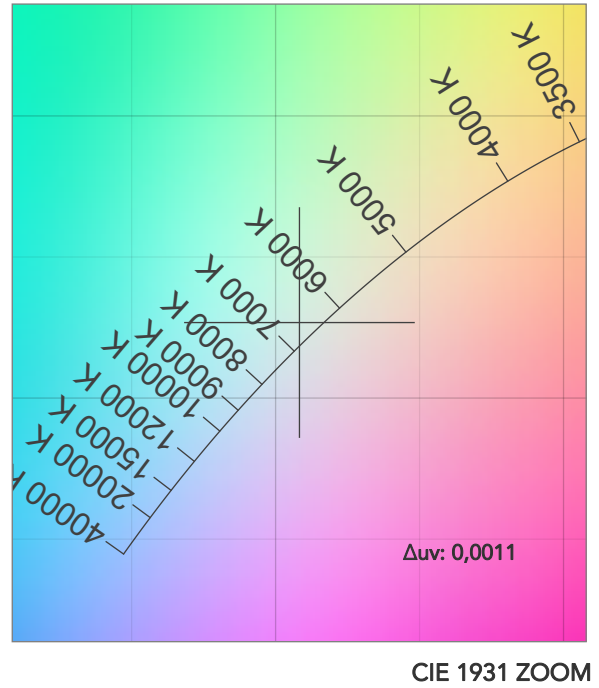
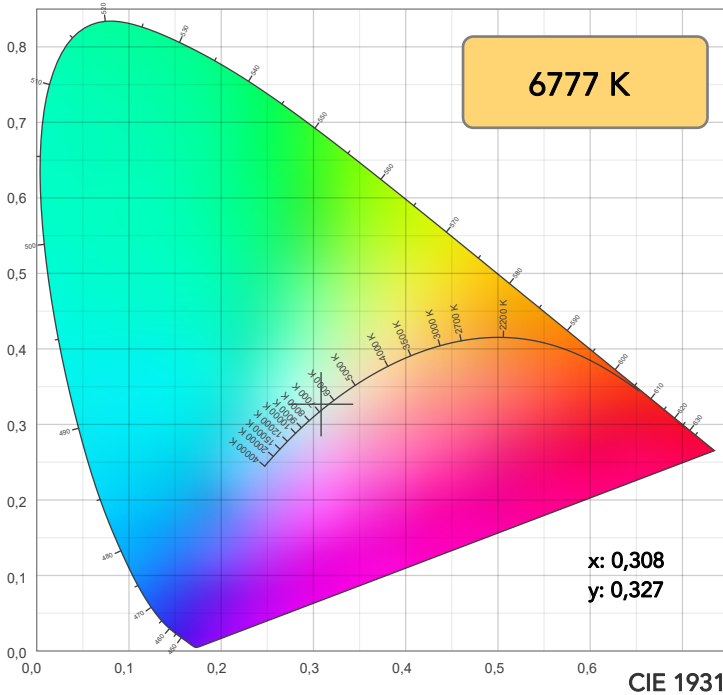
Field angle 10%: 90,9°

Cut off angle 2.5%: 127,2°

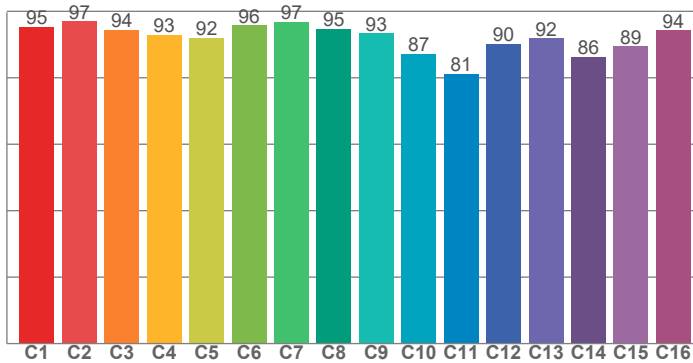
**Spectra**



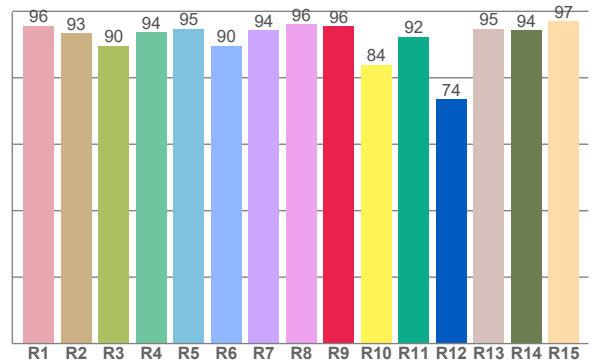
# COLOR DETAILS



**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

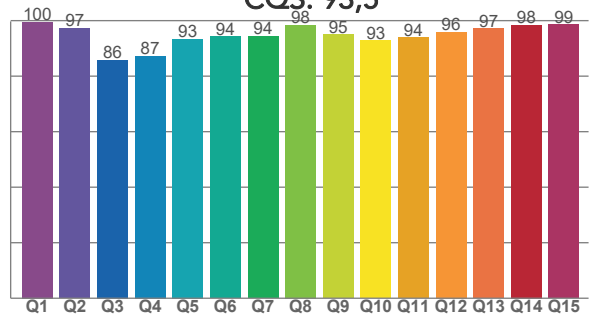
TM30 C values, 16 binned values out of total of 99 C values

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

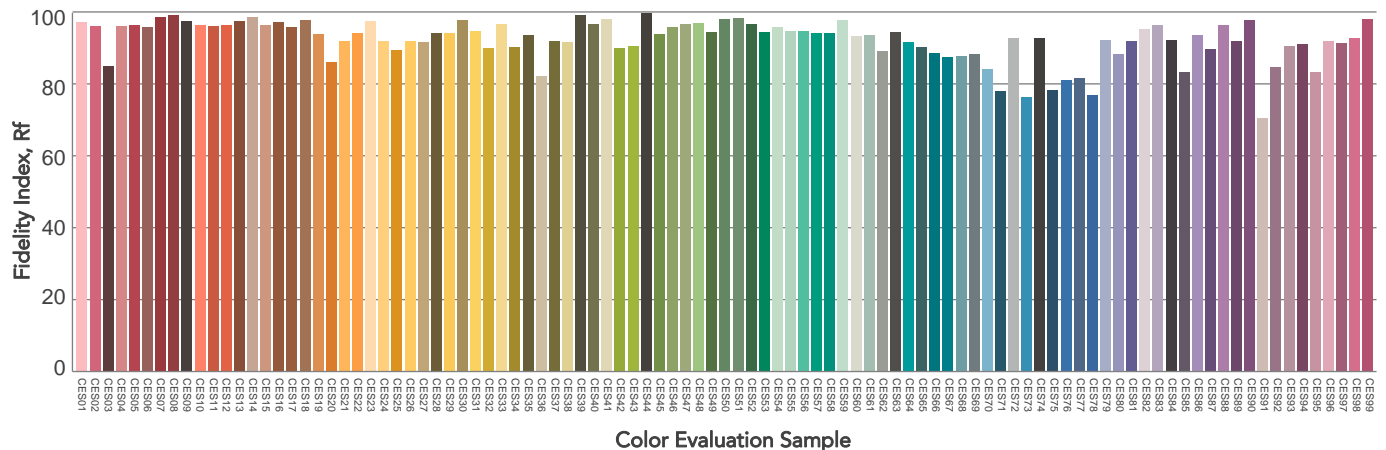
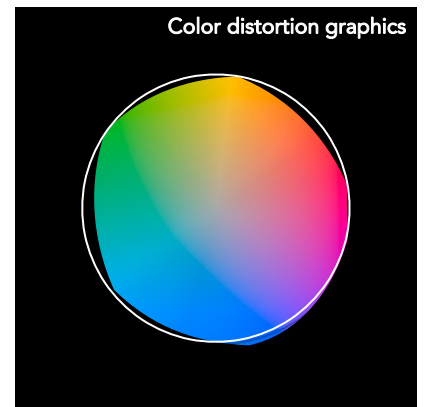
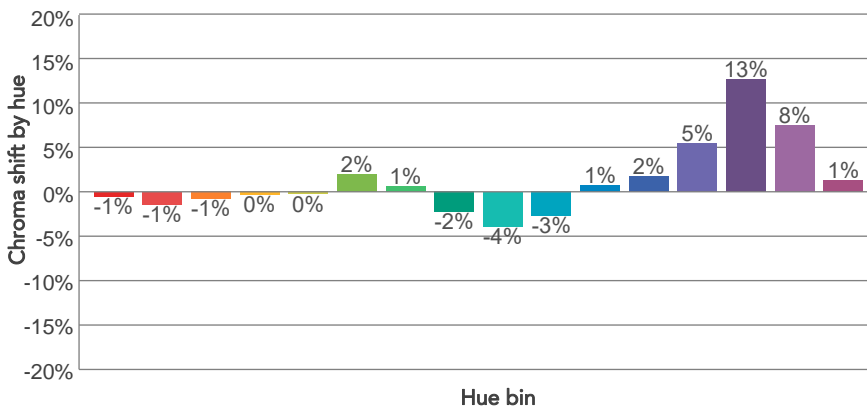
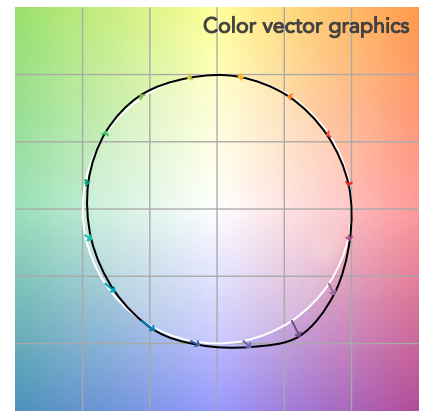
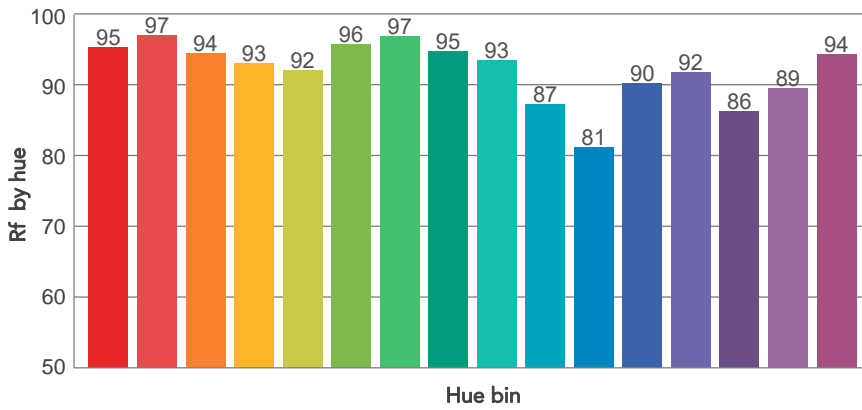
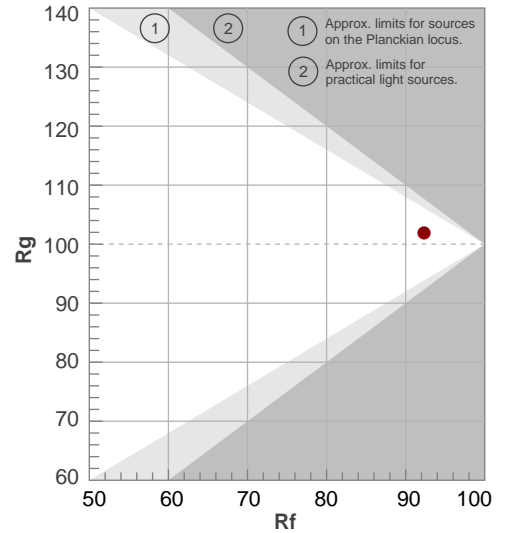
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6777 K	93,4	95,6	92,3	101,9	93,5	98	0,308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

# TM30 DETAILS

**Rf 92,3**  
Fidelity index Rf

**Rg 101,9**  
Gammut index

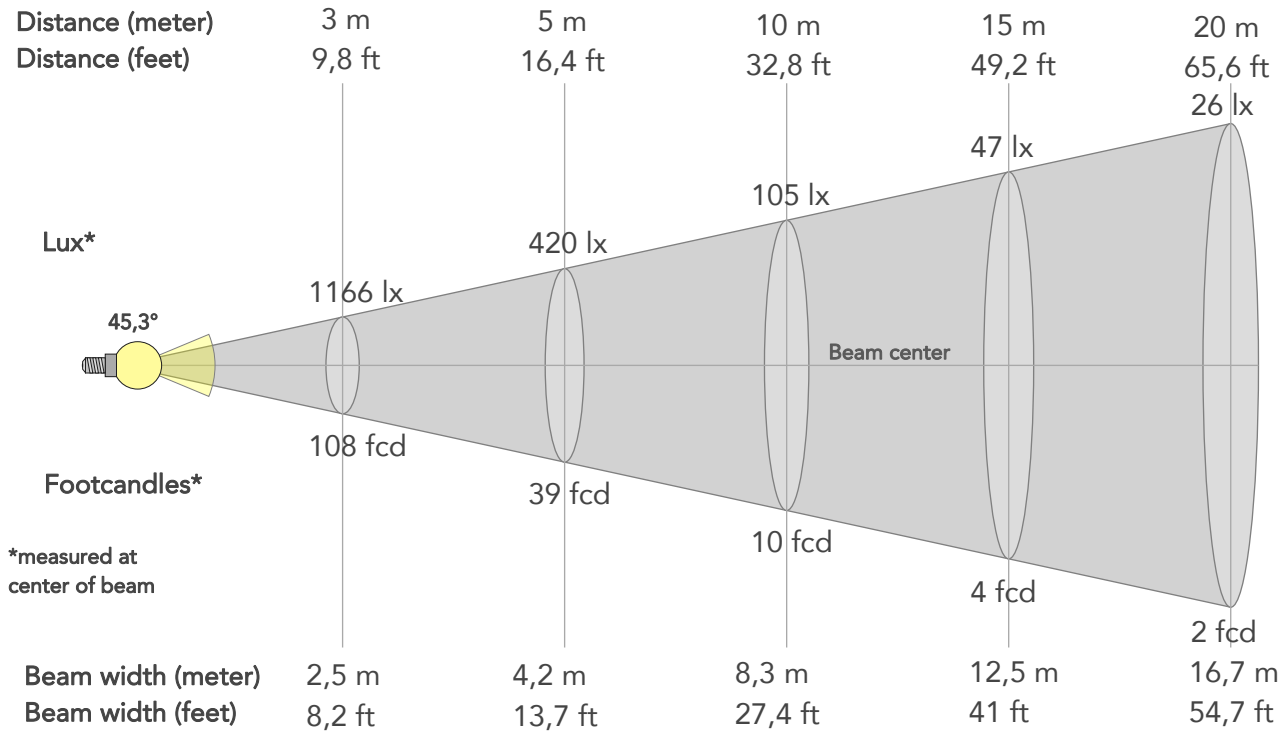
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	93	-4%	4%
10	87	-3%	8%
11	81	1%	11%
12	90	2%	7%
13	92	5%	4%
14	86	13%	-1%
15	89	8%	-4%
16	94	1%	-3%



# BEAM DETAILS



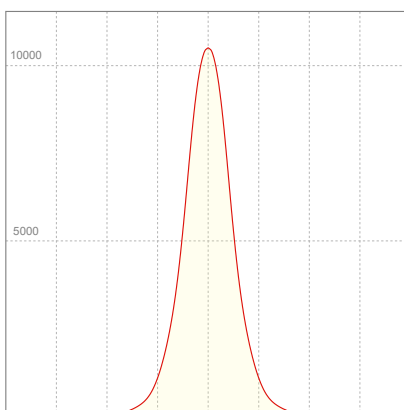
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,3°	90,9°	127,2°	95,4%	85,7%



## 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	10496lx	2624lx	1166lx	656lx	420lx	187lx	105lx	47lx	26lx	17lx	12lx	7lx	4lx
Footcand.	975fcd	244fcd	108fcd	61fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	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

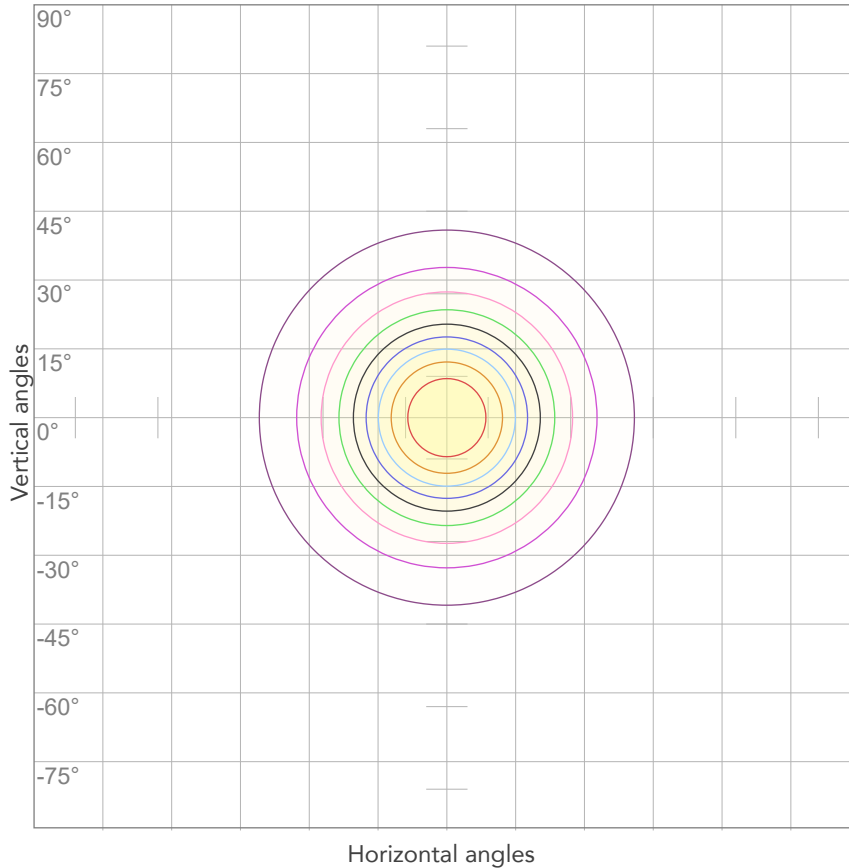


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,571A	125,2W	0,97	67lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



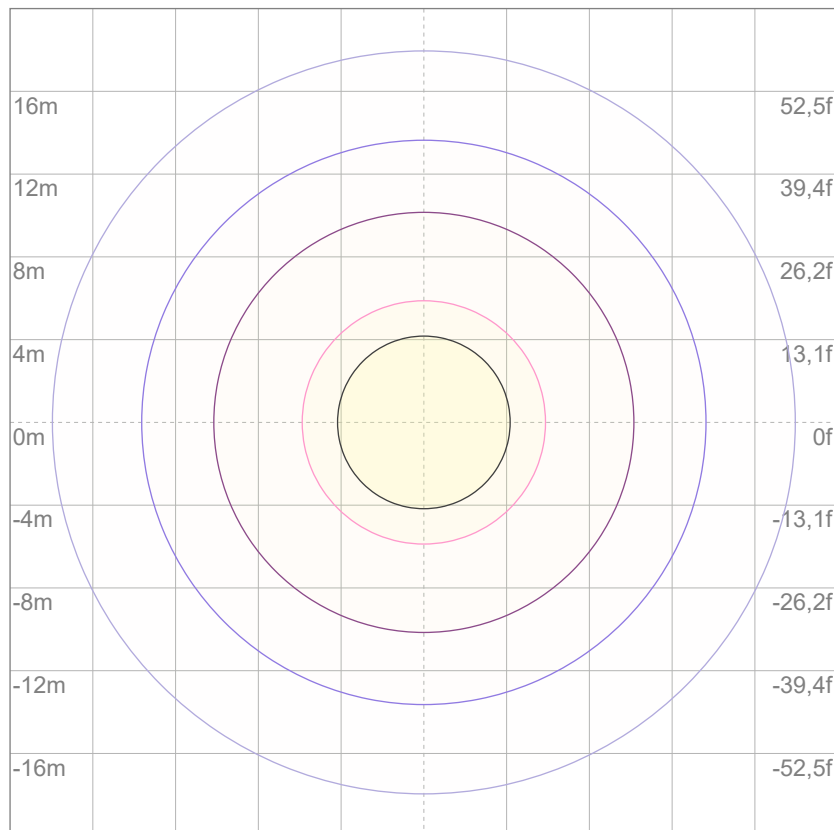
10%	1050 cd
20%	2099 cd
30%	3149 cd
40%	4199 cd
50%	5248 cd
60%	6298 cd
70%	7347 cd
80%	8397 cd

Conditions:

Number of c-planes: 2

Candela at center: 10496 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,15 lx
5%	5,25 lx
10%	10,5 lx
30%	31,5 lx
50%	52,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 105 lx

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



Total lumen output:

8178 lm

Peak candela output:

7346 cd

Light quality:

CRI: 93,3

Color temperature:

6752 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 60° Filter

**Target:**

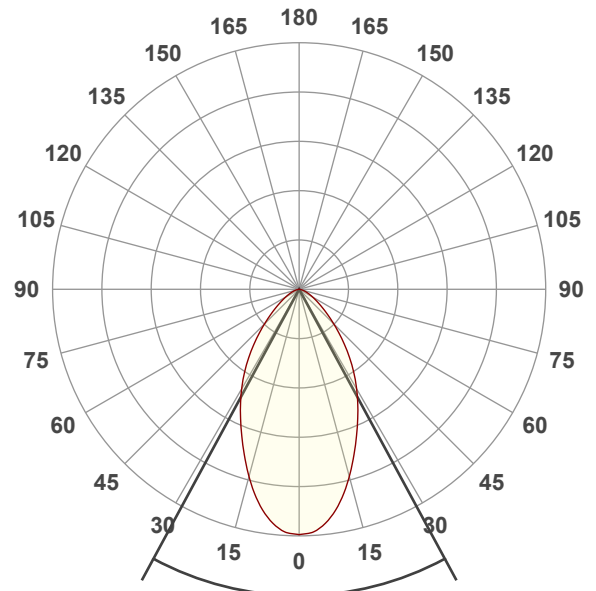
Cold White

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 15:32:30

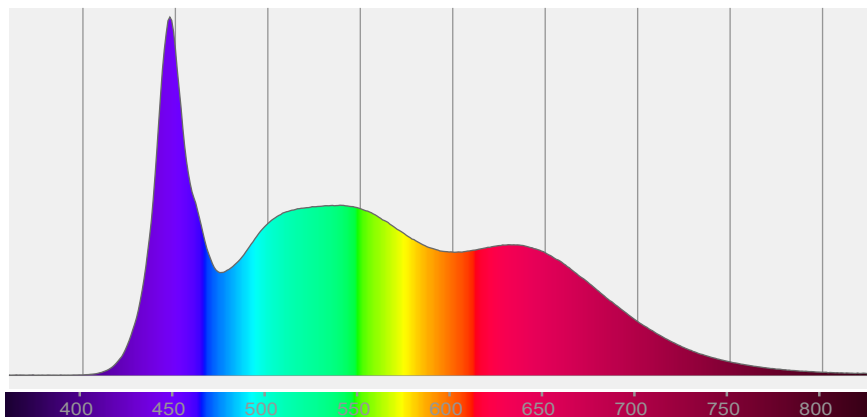


Beam angle 50%: 56,8°

Field angle 10%: 108,4°

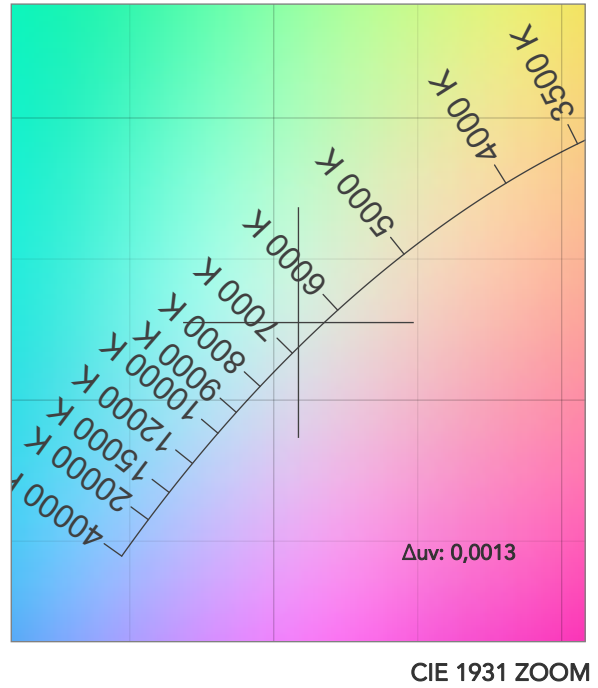
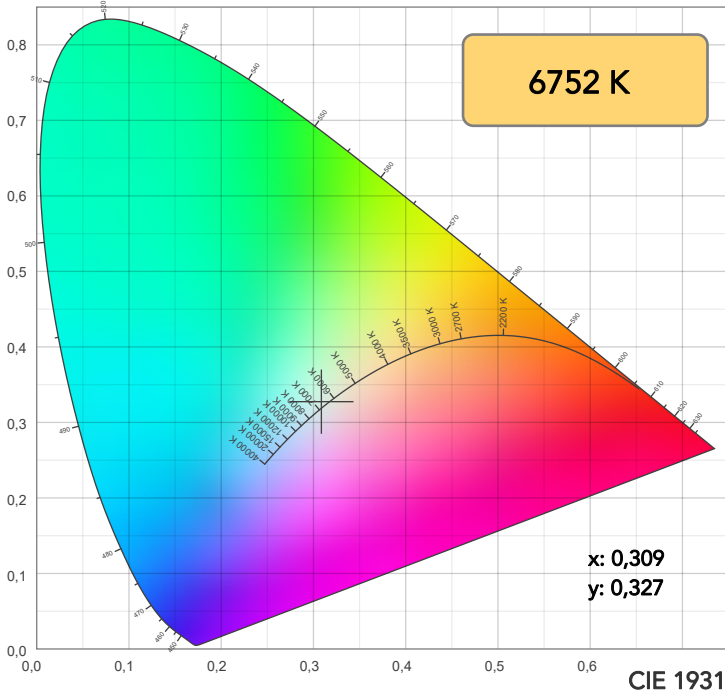
Cut off angle 2.5%: 142,3°

**Spectra**

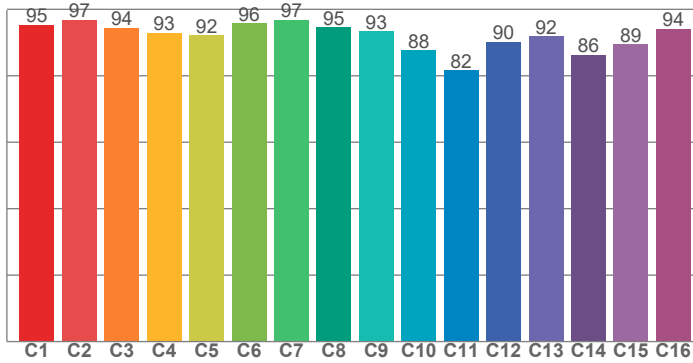




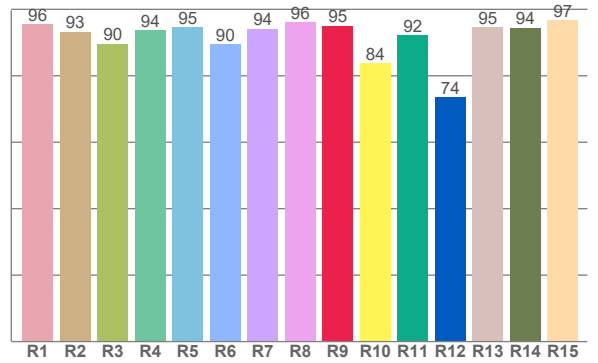
# COLOR DETAILS



**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

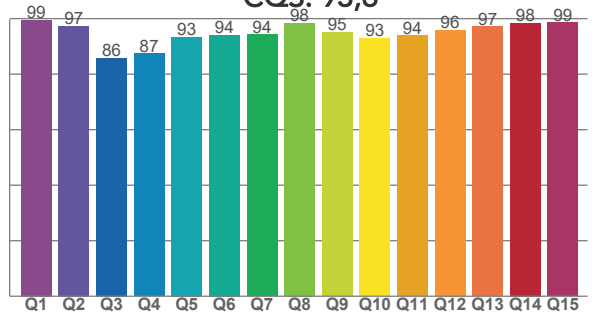
TM30 C values, 16 binned values out of total of 99 C values

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

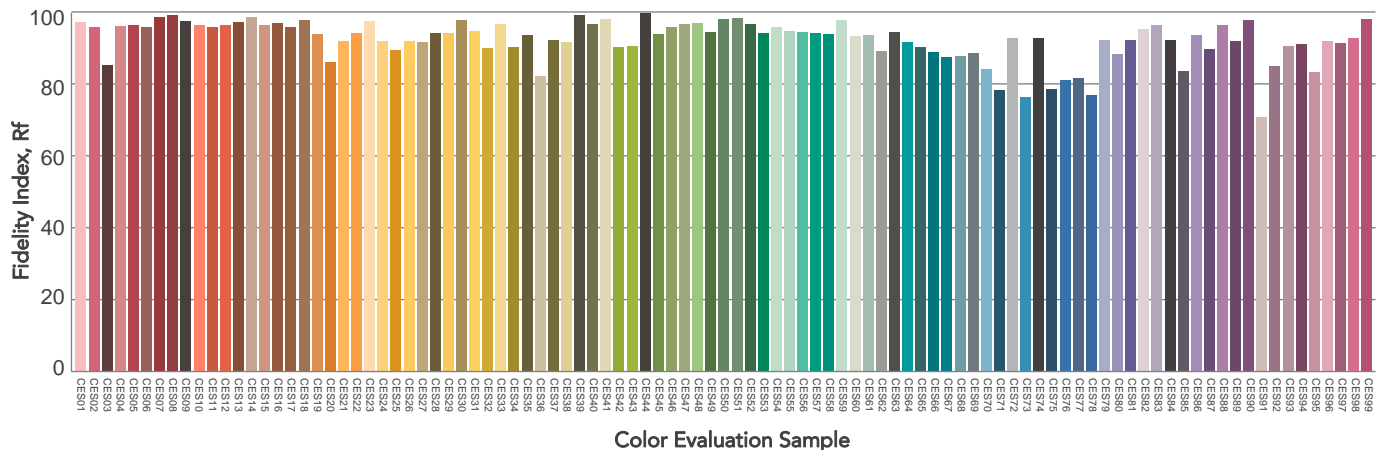
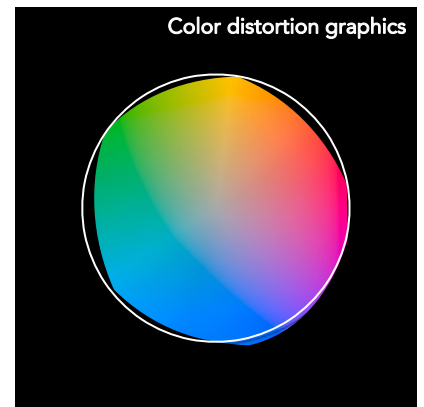
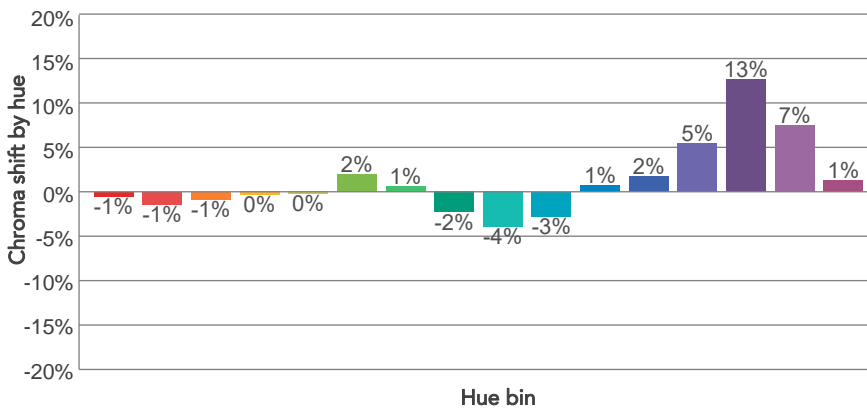
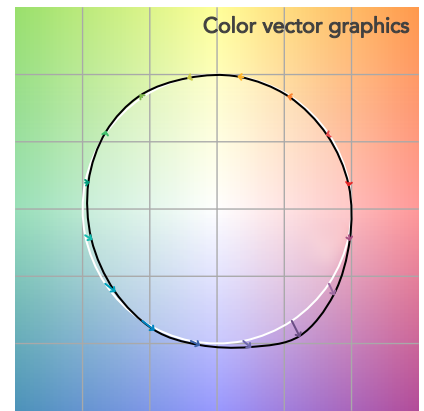
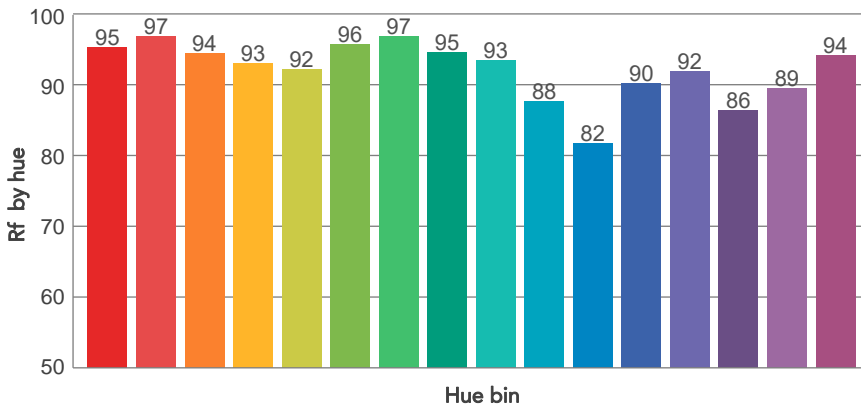
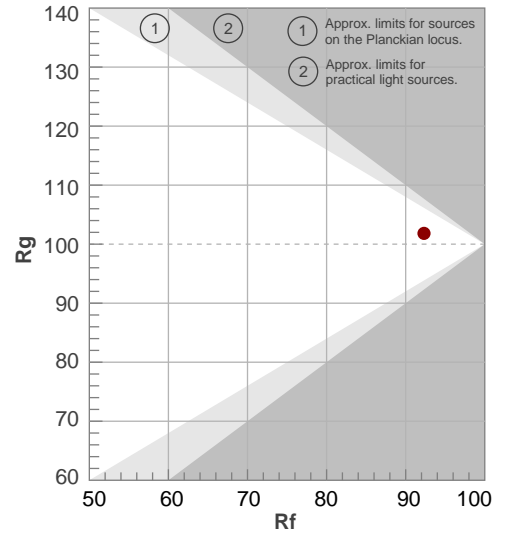
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6752 K	93,3	95,0	92,3	101,8	93,6	98	0,309	0,327	0,0013

# TM30 DETAILS

**Rf 92,3**  
Fidelity index Rf

**Rg 101,8**  
Gammut index

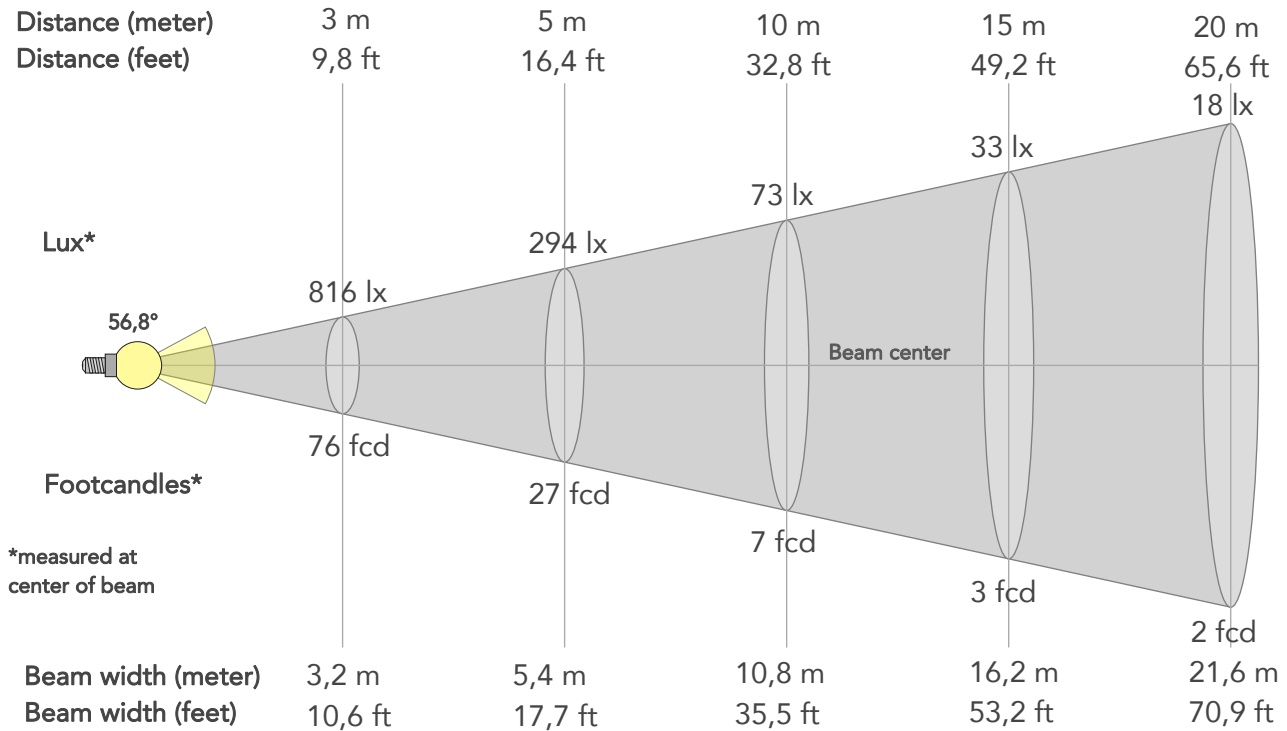
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	-1%	-2%
2	97	-1%	0%
3	94	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-2%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	8%
11	82	1%	11%
12	90	2%	7%
13	92	5%	4%
14	86	13%	-2%
15	89	7%	-4%
16	94	1%	-3%



# BEAM DETAILS



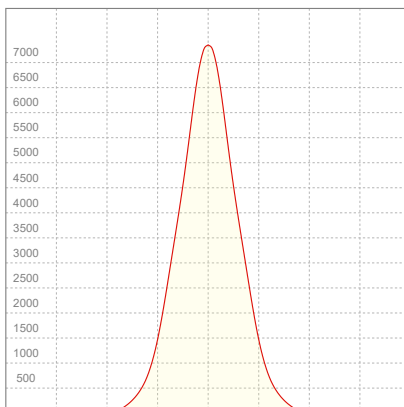
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,8°	108,4°	142,3°	93,9%	80,1%



## 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	7346lx	1836lx	816lx	459lx	294lx	131lx	73lx	33lx	18lx	12lx	8lx	5lx	3lx
Footcand.	682fcd	171fcd	76fcd	43fcd	27fcd	12fcd	7fcd	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

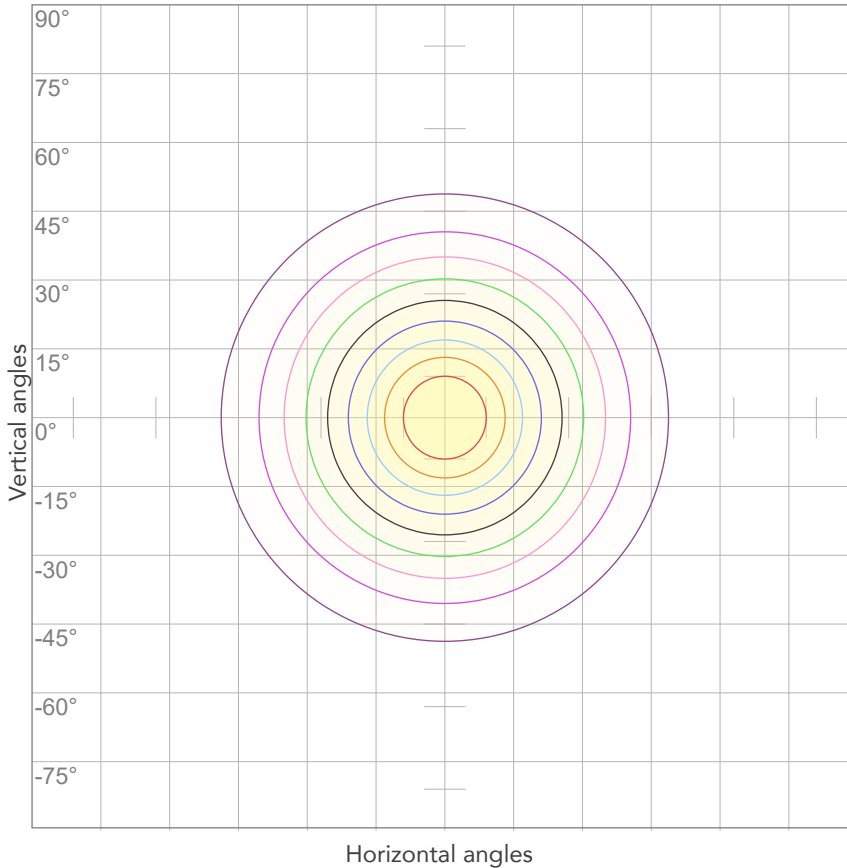


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,573A	125,4W	0,97	65lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



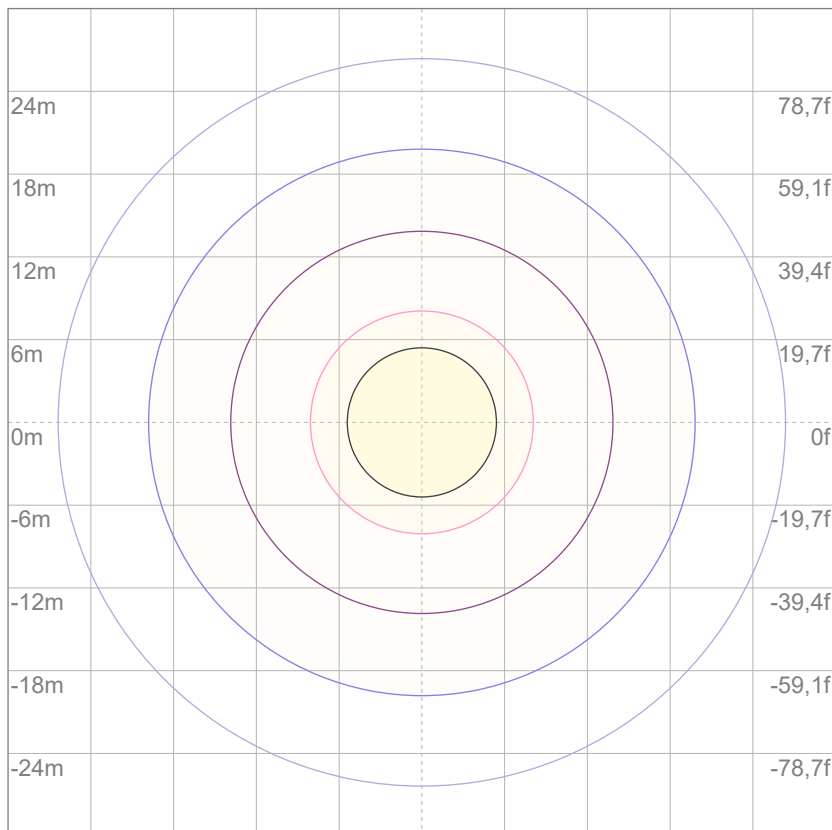
10%	735 cd
20%	1469 cd
30%	2204 cd
40%	2938 cd
50%	3673 cd
60%	4407 cd
70%	5142 cd
80%	5876 cd

**Conditions:**

Number of c-planes: 2

Candela at center: 7346 cd

## ISO LUX DIAGRAM



3%	2,20 lx
5%	3,67 lx
10%	7,35 lx
30%	22,0 lx
50%	36,7 lx

**Conditions:**

Number of c-planes: 2

Lux at center: 73,5 lx

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



Total lumen output:

12125 lm

Peak candela output:

25245 cd

Light quality:

CRI: 93,7

Color temperature:

6712 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 10°x60° Filter

**Target:**

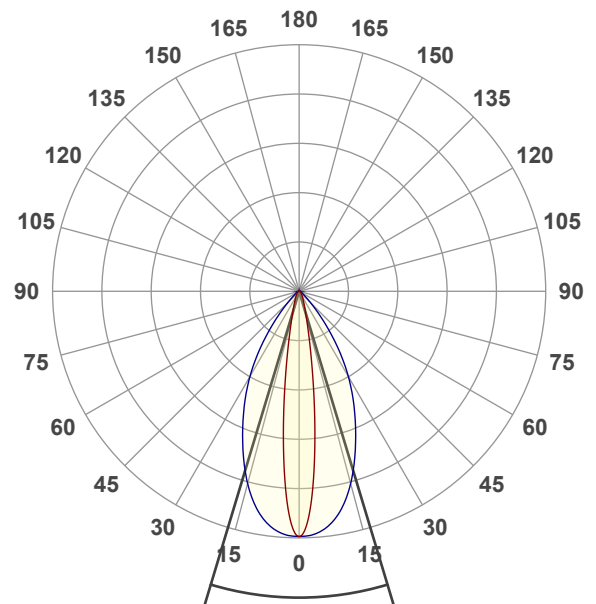
Cold White

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 15:55:49

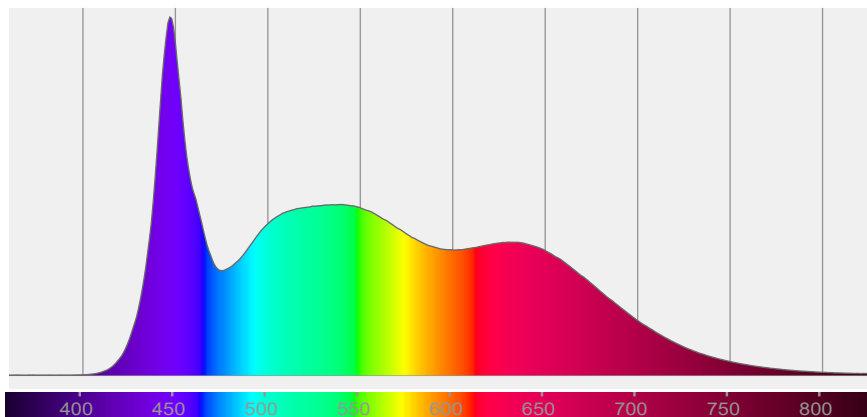


Beam angle 50%: 33,5°

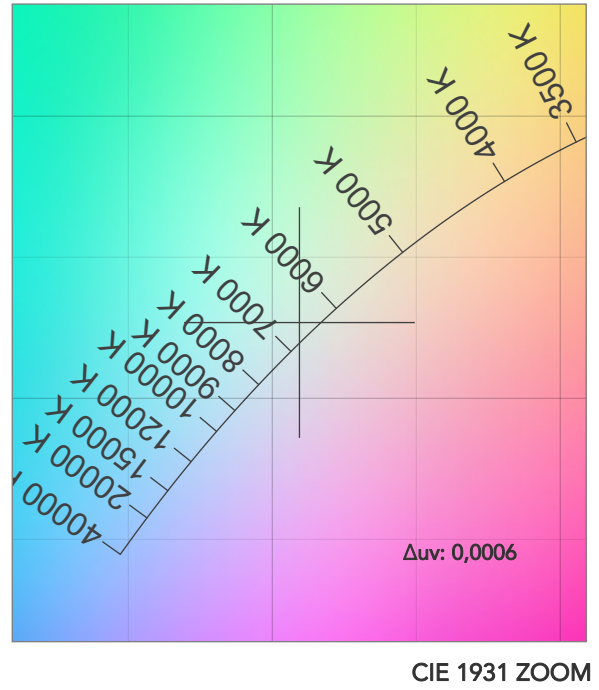
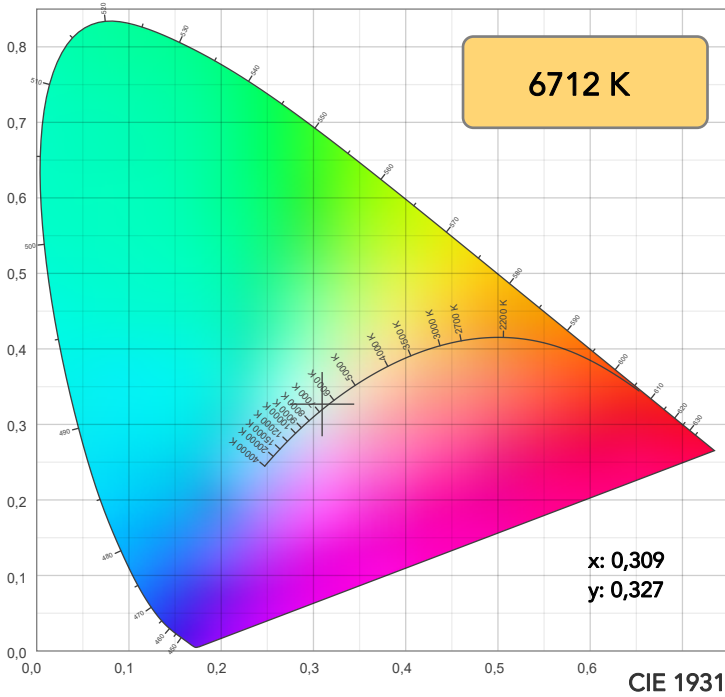
Field angle 10%: 58,5°

Cut off angle 2.5%: 84,2°

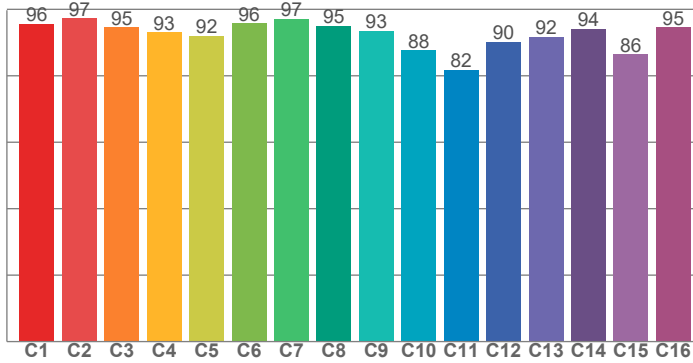
**Spectra**



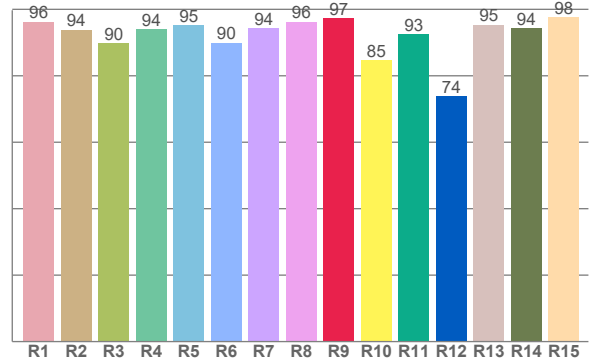
# COLOR DETAILS



**TM30: 92,4**



**CRI: 93,7 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
96,3	93,8	89,7	94,0	95,3	90,0	94,4	96,3	97,3	84,7	92,6	73,9	95,4	94,4	97,6

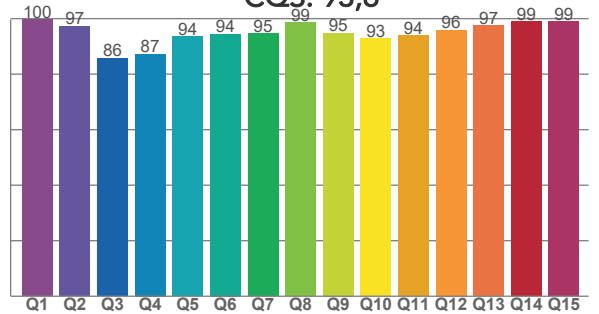
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,6	97,3	94,6	93,0	92,0	95,8	97,1	95,0	93,5	87,7	81,8	90,3	91,8	94,2	86,4	94,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	97,2	85,7	87,2	93,6	94,5	94,6	98,6	94,9	92,9	93,9	96,0	97,5	98,9	98,9

**CQS: 93,6**



## COLOR PARAMETERS

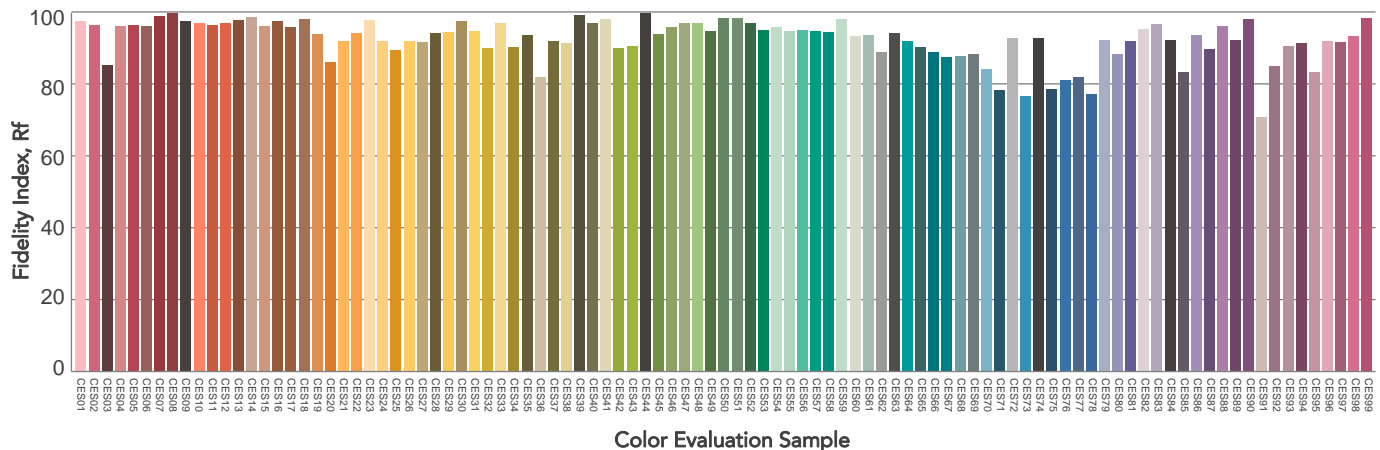
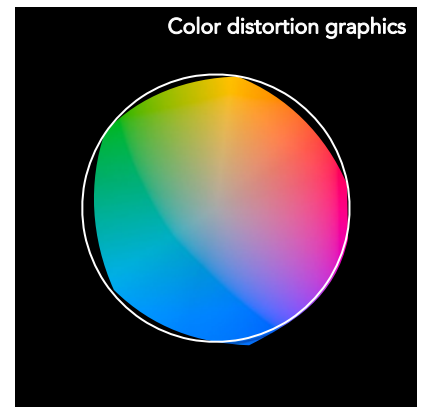
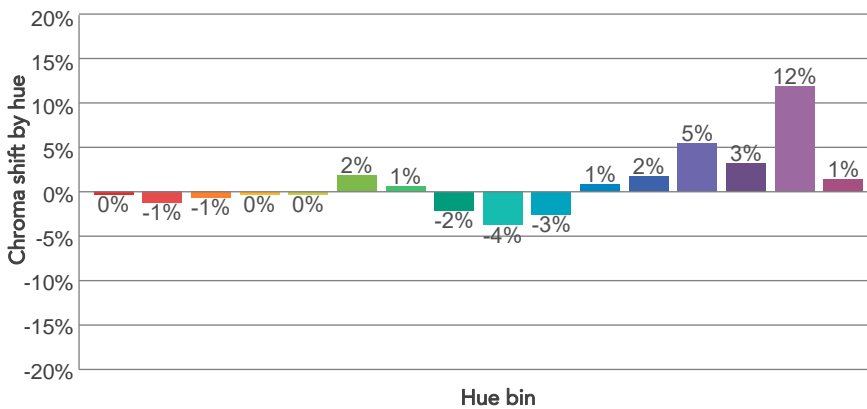
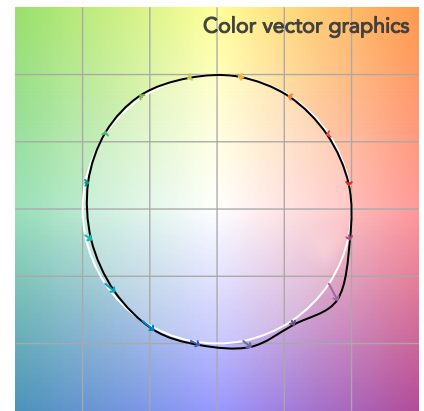
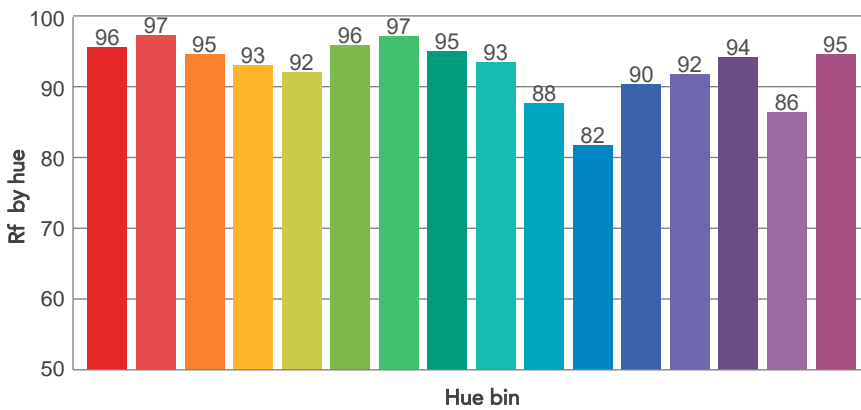
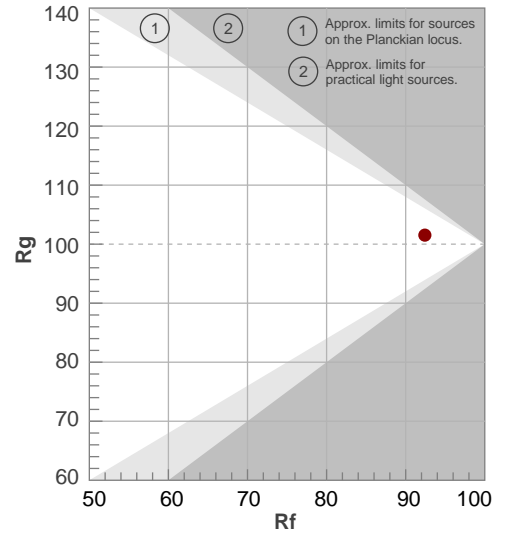
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6712 K	93,7	97,3	92,4	101,5	93,6	98	0,309	0,327	0,0006

# TM30 DETAILS

**Rf 92,4**  
Fidelity index Rf

**Rg 101,5**  
Gammut index

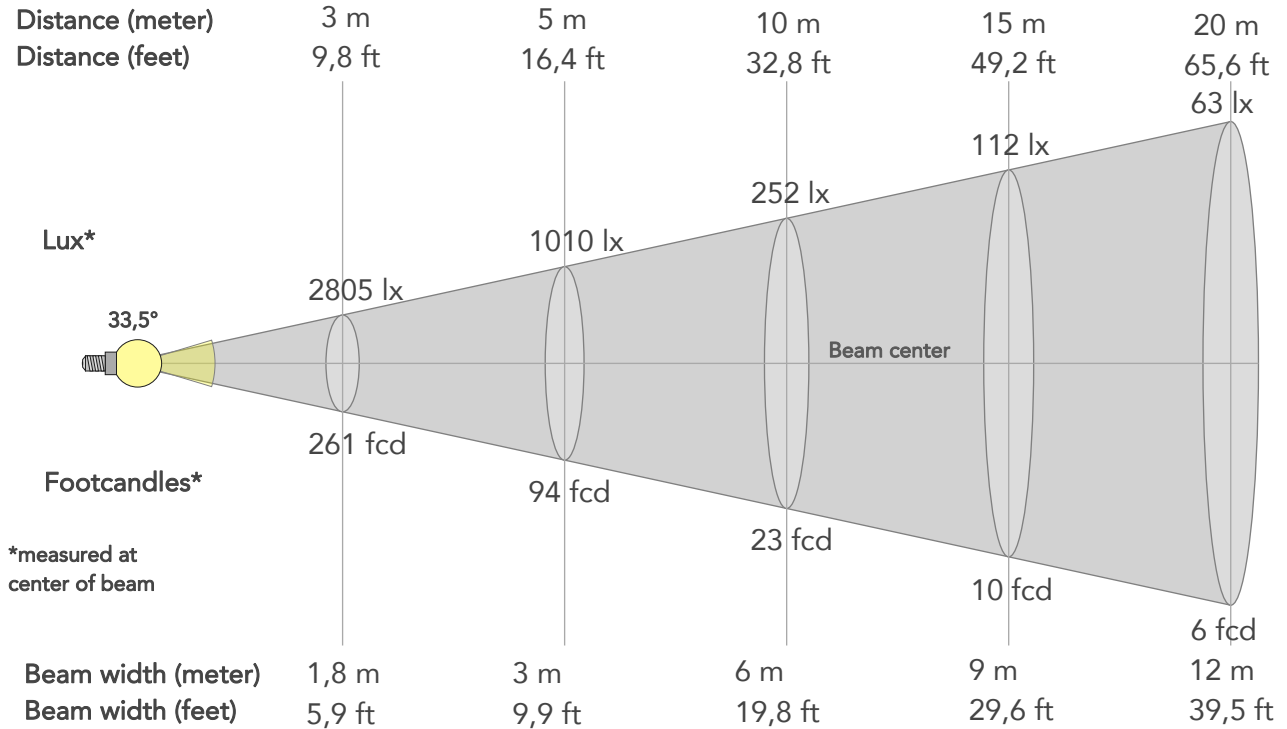
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	97	-1%	0%
3	95	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-1%
8	95	-2%	-1%
9	93	-4%	4%
10	88	-3%	8%
11	82	1%	10%
12	90	2%	7%
13	92	5%	4%
14	94	3%	0%
15	86	12%	-6%
16	95	1%	-3%



# BEAM DETAILS



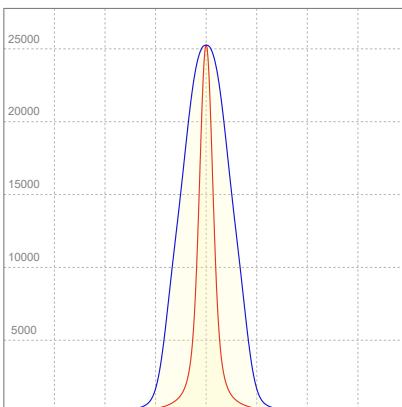
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	58,5°	84,2°	97,5%	92,4%



## 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	25245lx	6311lx	2805lx	1578lx	1010lx	449lx	252lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2345fcd	586fcd	261fcd	147fcd	94fcd	42fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15,1m	18,1m	24,1m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,8ft	29,6ft	39,5ft	49,4ft	59,3ft	79ft	98,8ft

## LINEAR DISTRIBUTION DIAGRAM



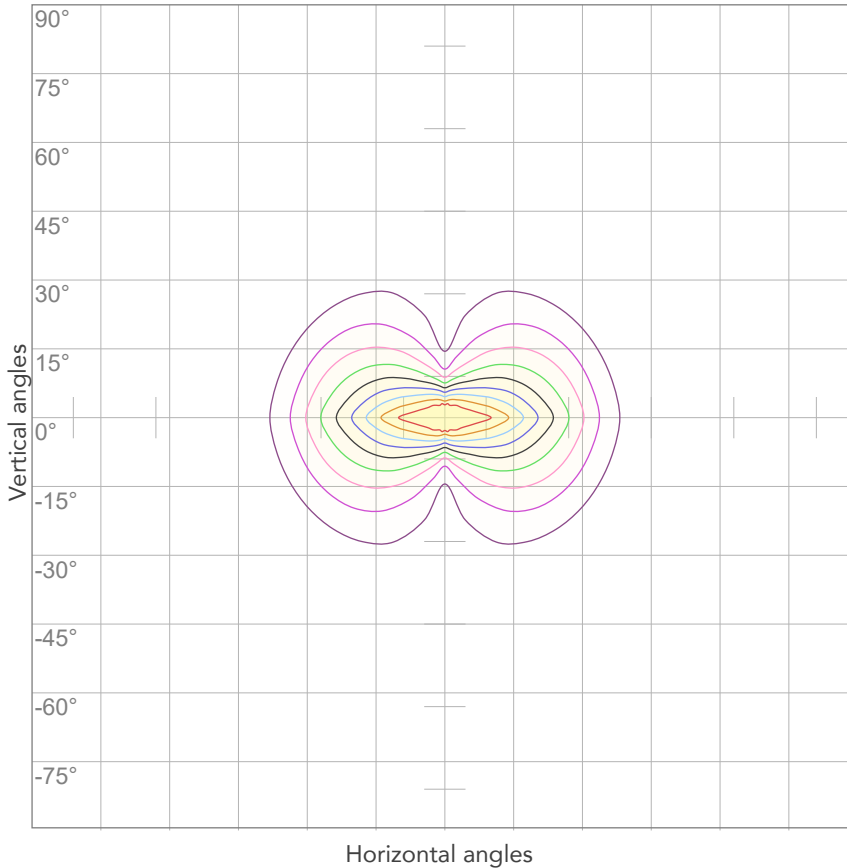
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,570A	124,5W	0,97	97lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



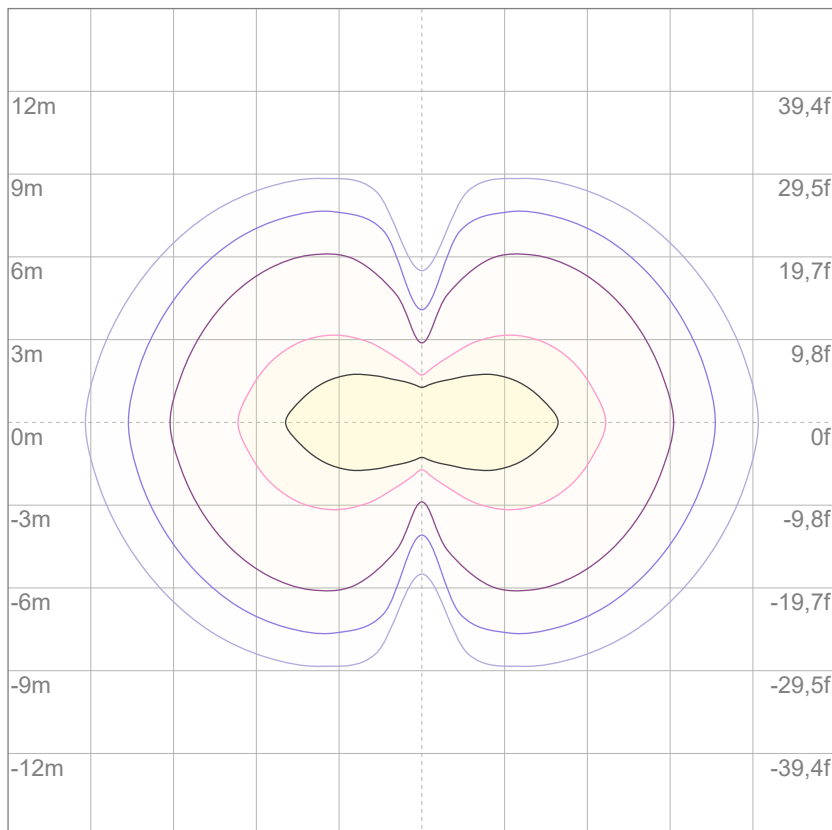
10%	2524 cd
20%	5049 cd
30%	7573 cd
40%	10098 cd
50%	12622 cd
60%	15147 cd
70%	17671 cd
80%	20196 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 25245 cd

## ISO LUX DIAGRAM



3%	7,57 lx
5%	12,6 lx
10%	25,2 lx
30%	75,7 lx
50%	126 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 252 lx

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



Total lumen output:

8922 lm

Peak candela output:

12991 cd

Light quality:

CRI: 93,8

Color temperature:

6784 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 30°x60° Filter

**Target:**

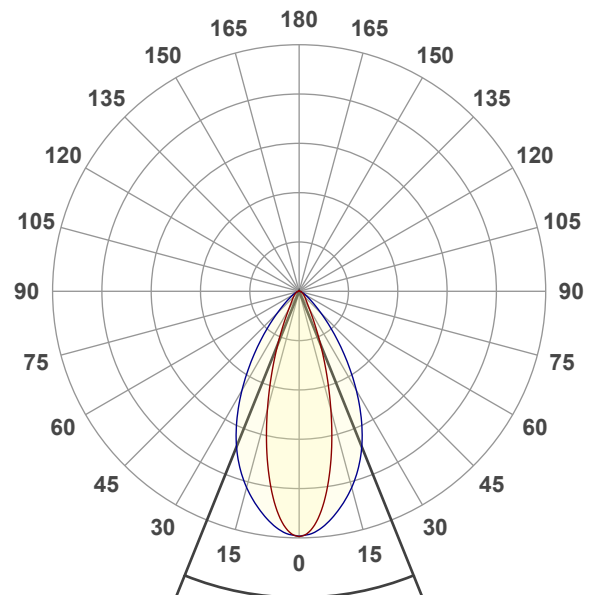
Cold White

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 16:48:53

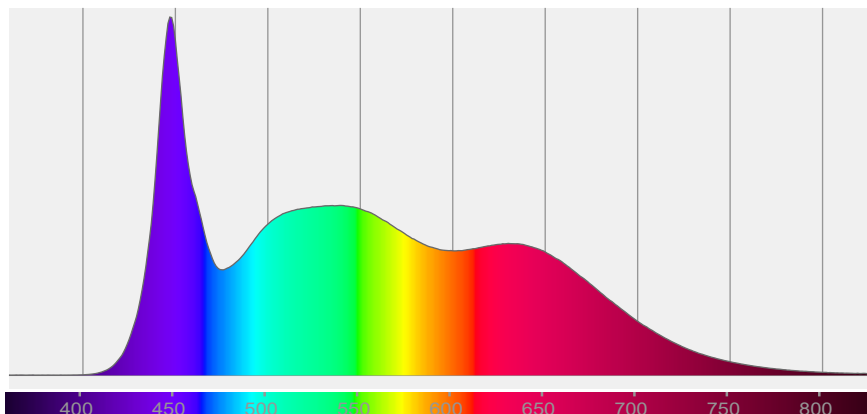


Beam angle 50%: 43,9°

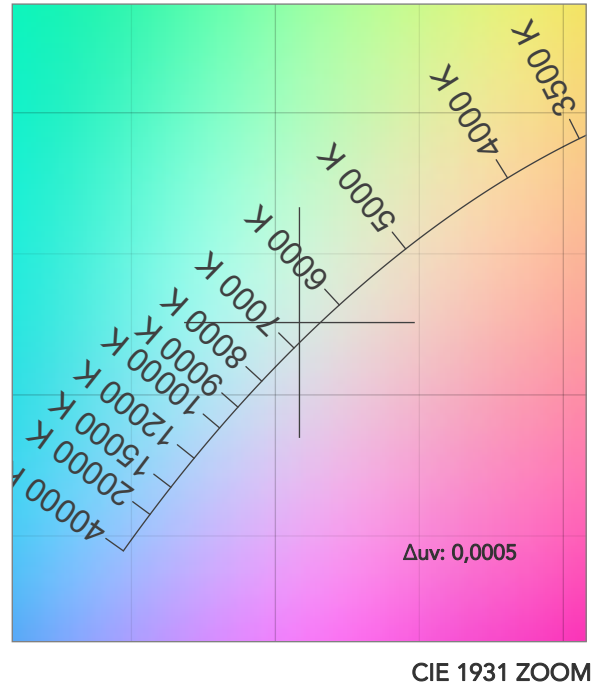
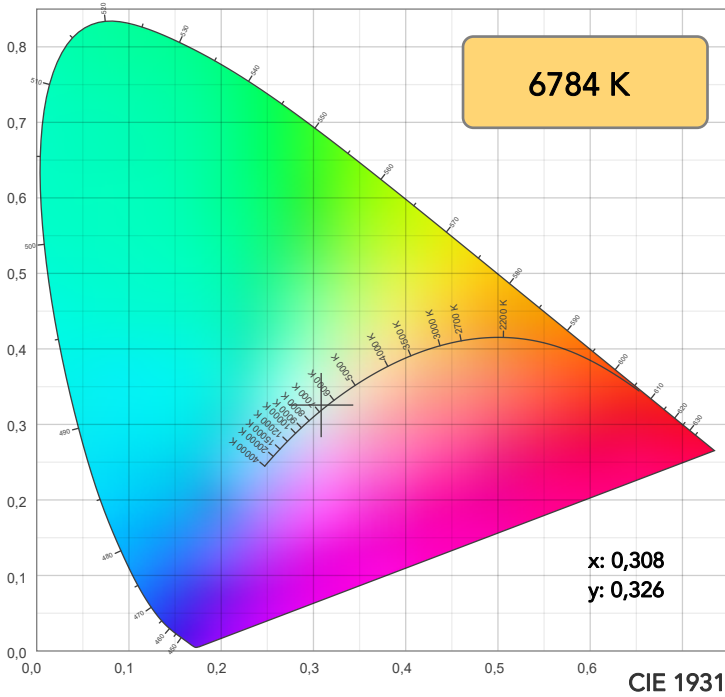
Field angle 10%: 75,9°

Cut off angle 2.5%: 113,8°

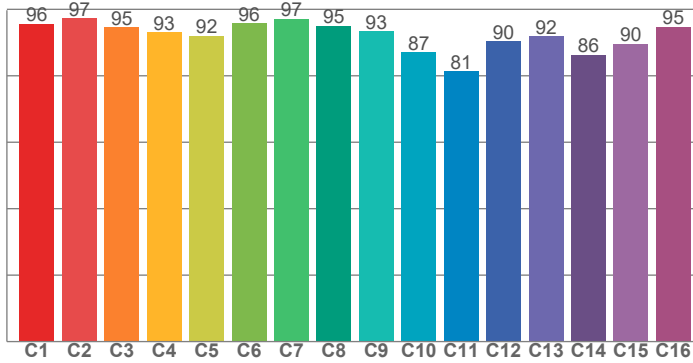
**Spectra**



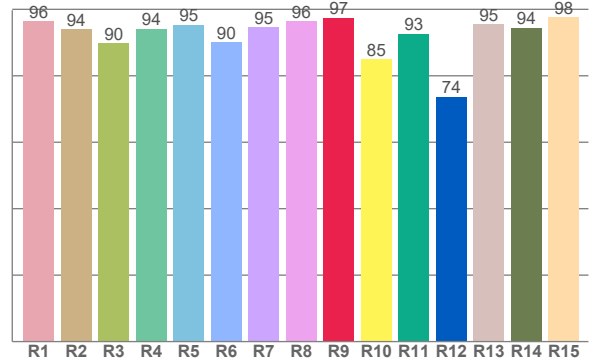
# COLOR DETAILS



**TM30: 92,4**



**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
96,4	93,9	89,8	94,1	95,4	90,1	94,5	96,4	97,5	84,9	92,7	73,7	95,5	94,4	97,6

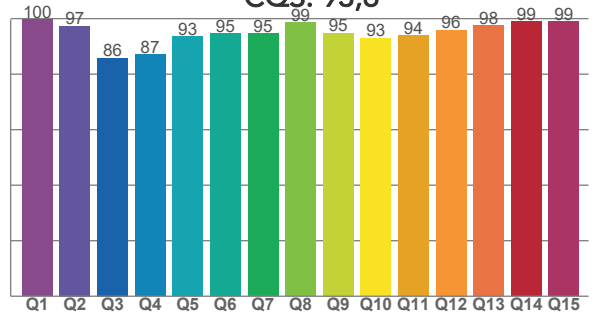
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,5	97,3	94,6	93,1	92,0	95,8	97,1	95,0	93,4	87,1	81,4	90,4	91,8	86,3	89,5	94,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	97,3	85,7	87,1	93,5	94,6	94,7	98,6	94,9	92,9	93,9	96,0	97,5	98,9	99,0

**CQS: 93,6**



## COLOR PARAMETERS

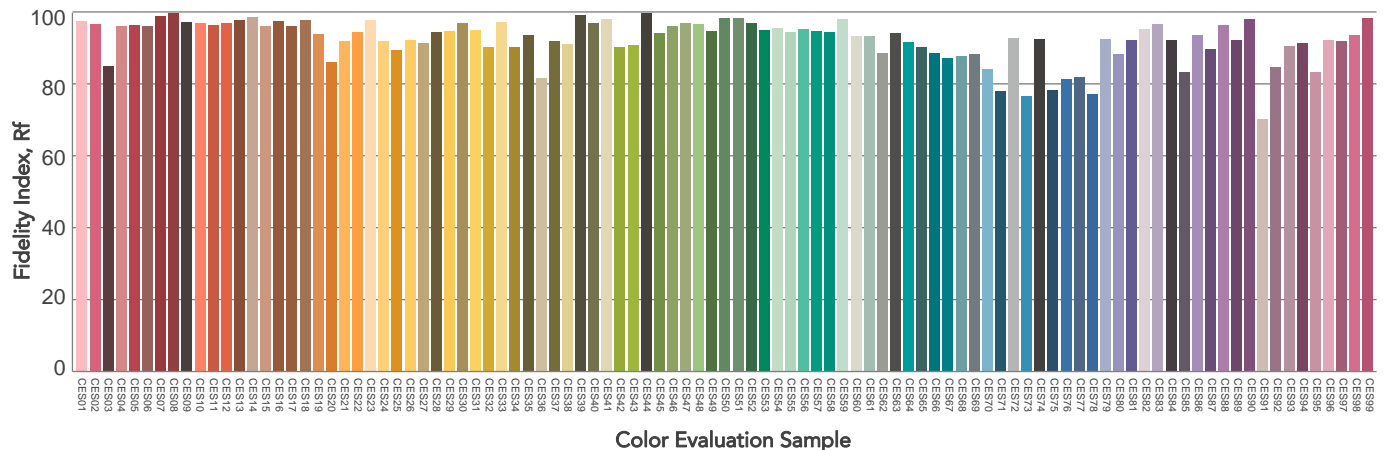
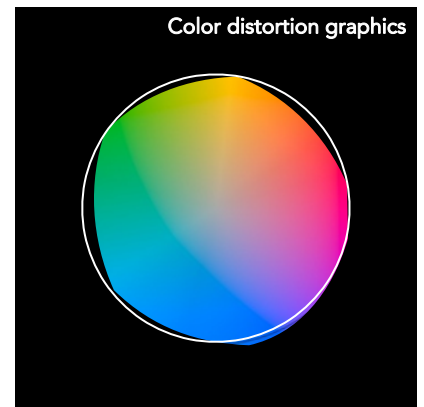
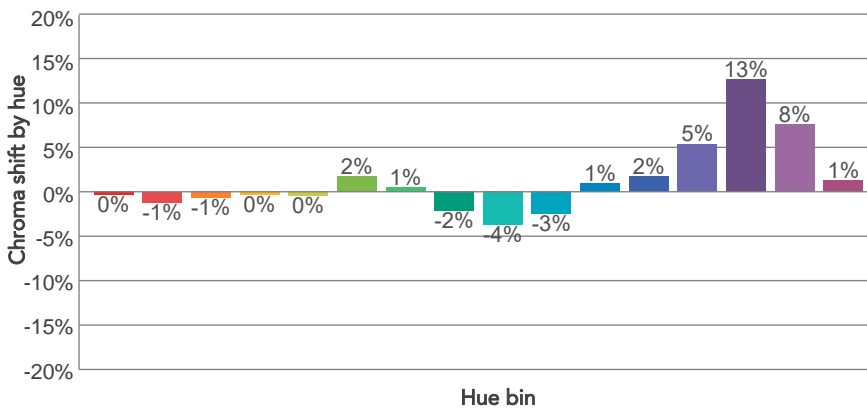
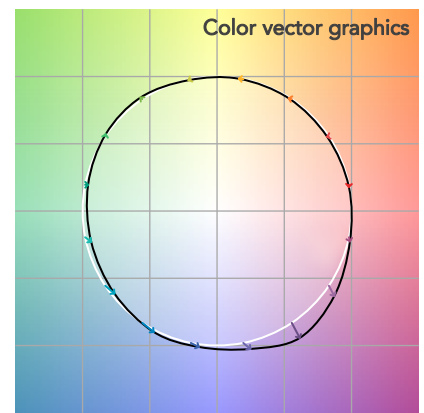
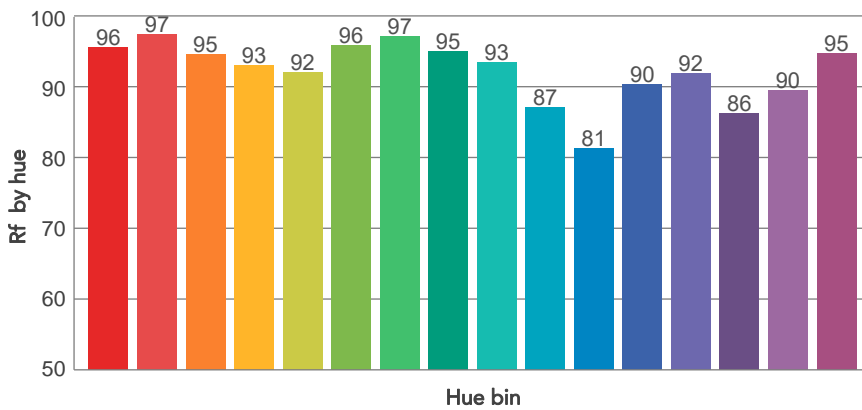
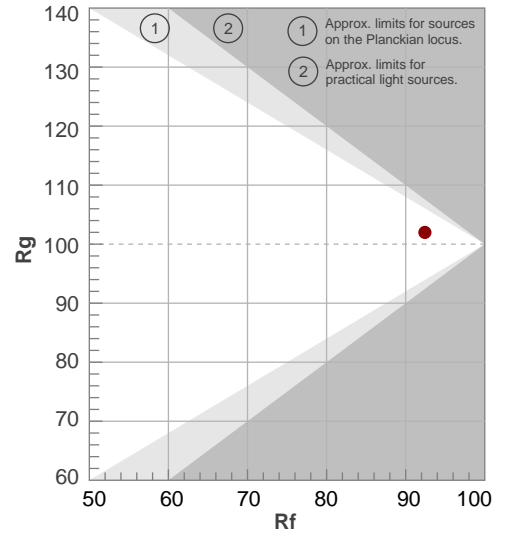
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6784 K	93,8	97,5	92,4	102,0	93,6	98	0,308	0,326	0,0005

# TM30 DETAILS

**Rf 92,4**  
Fidelity index Rf

**Rg 102,0**  
Gammut index

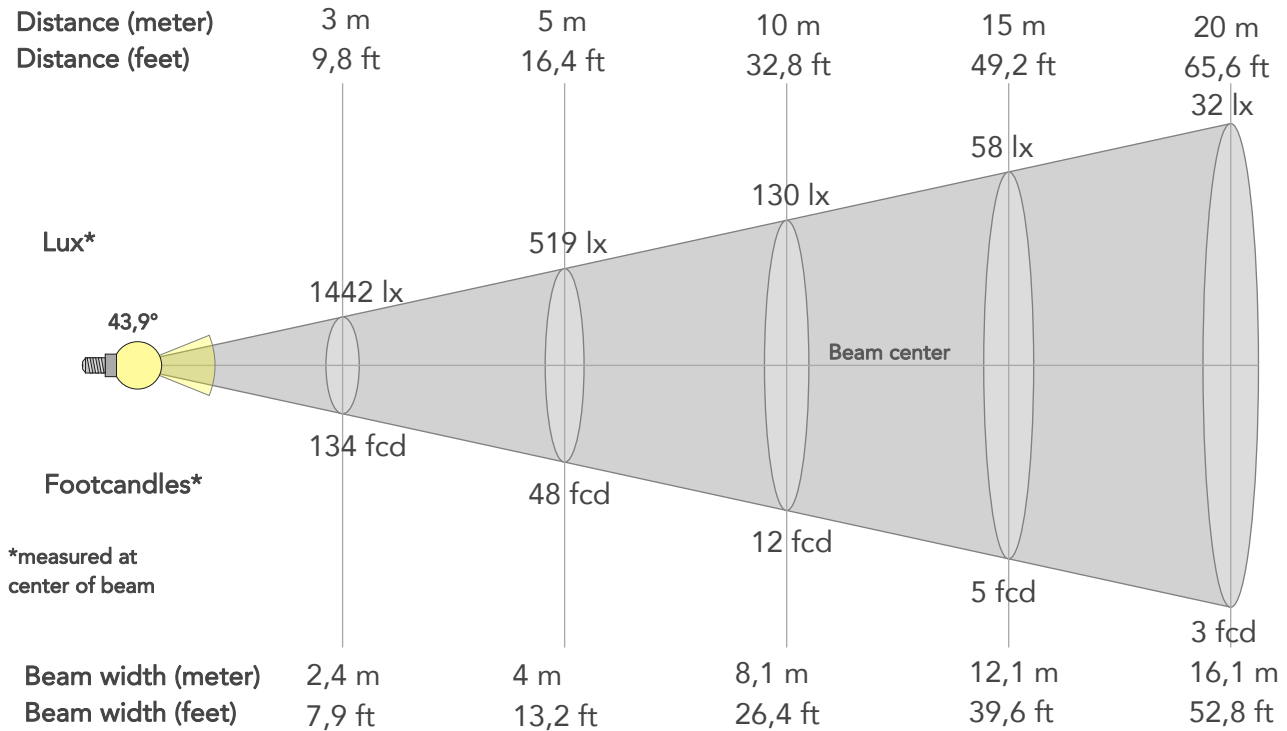
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	97	-1%	0%
3	95	-1%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	0%
7	97	1%	-1%
8	95	-2%	0%
9	93	-4%	4%
10	87	-3%	9%
11	81	1%	11%
12	90	2%	6%
13	92	5%	4%
14	86	13%	-1%
15	90	8%	-4%
16	95	1%	-3%



# BEAM DETAILS



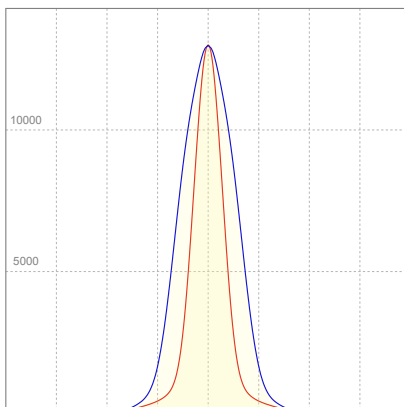
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,9°	75,9°	113,8°	96,2%	87,9%



## 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	12975lx	3244lx	1442lx	811lx	519lx	231lx	130lx	58lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1205fcd	301fcd	134fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8,1m	12,1m	16,1m	20,1m	24,2m	32,2m	40,3m
Beam wid.	2,7ft	5,3ft	7,9ft	10,6ft	13,2ft	19,8ft	26,4ft	39,6ft	52,8ft	66,1ft	79,3ft	105,7ft	132,1ft

## LINEAR DISTRIBUTION DIAGRAM

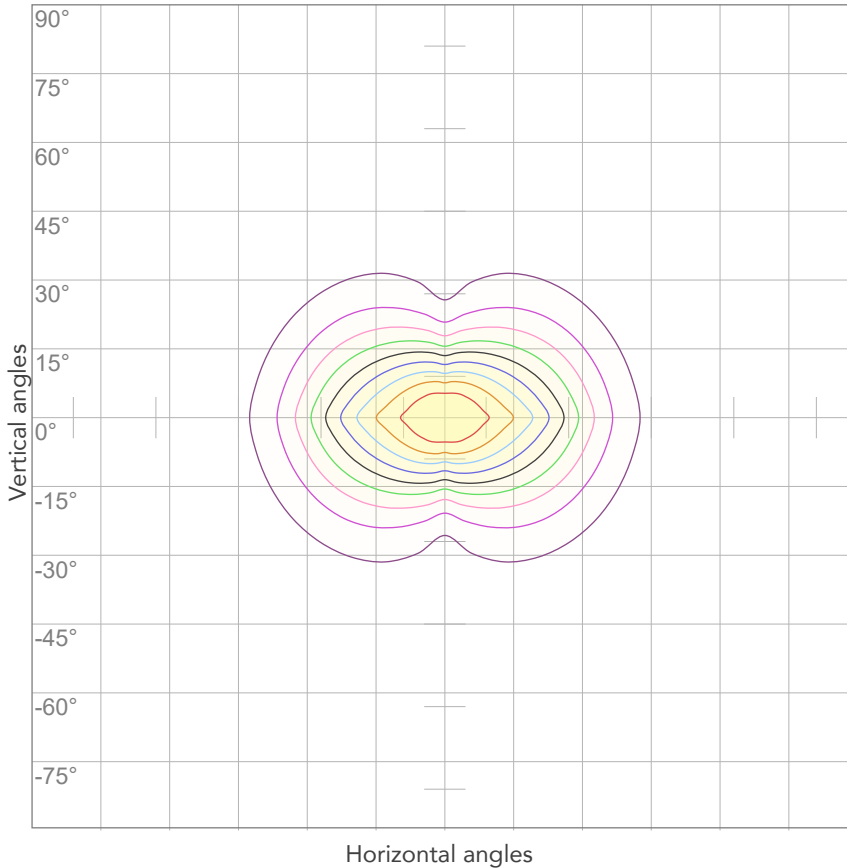


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,567A	124,3W	0,98	72lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



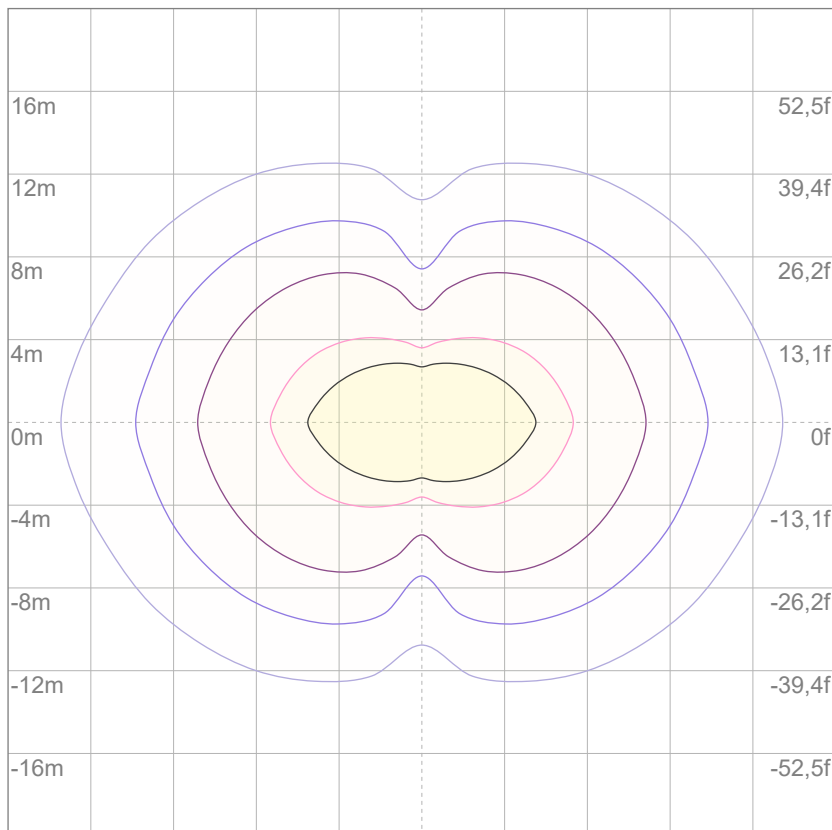
10%	1297 cd
20%	2595 cd
30%	3892 cd
40%	5190 cd
50%	6487 cd
60%	7785 cd
70%	9082 cd
80%	10380 cd

Conditions:

Number of c-planes: 4

Candela at center: 12975 cd

## ISO LUX DIAGRAM



3%	3,89 lx
5%	6,49 lx
10%	13,0 lx
30%	38,9 lx
50%	64,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 130 lx

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



Total lumen output:

6643 lm

Peak candela output:

134768 cd

Light quality:

CRI: 96,3

Color temperature:

2734 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10°

Target:

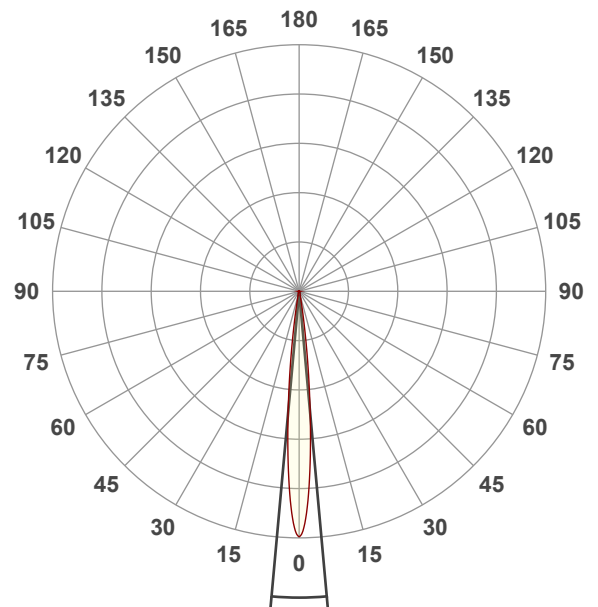
2700K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:09:47

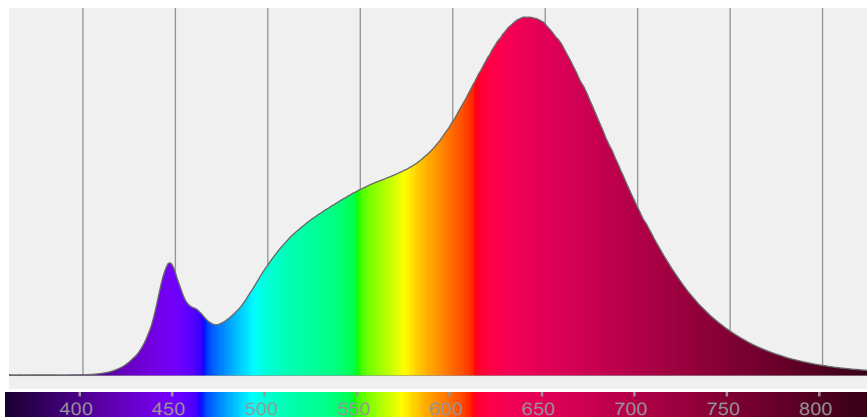


Beam angle 50%: 10,3°

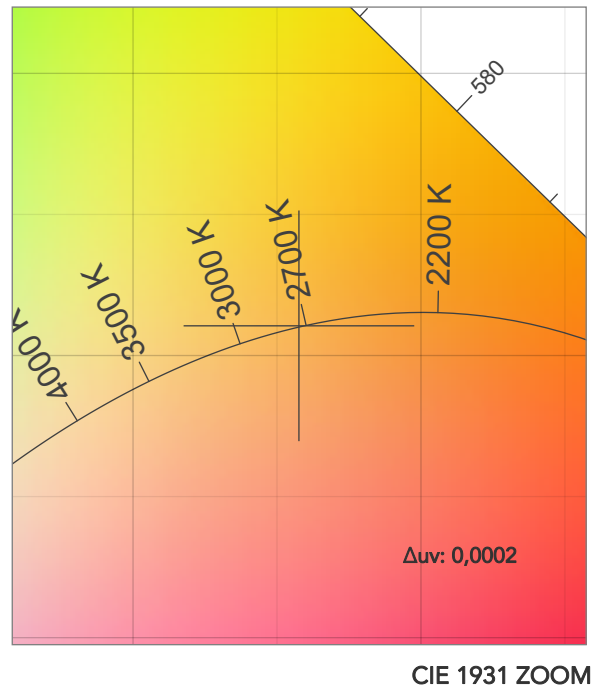
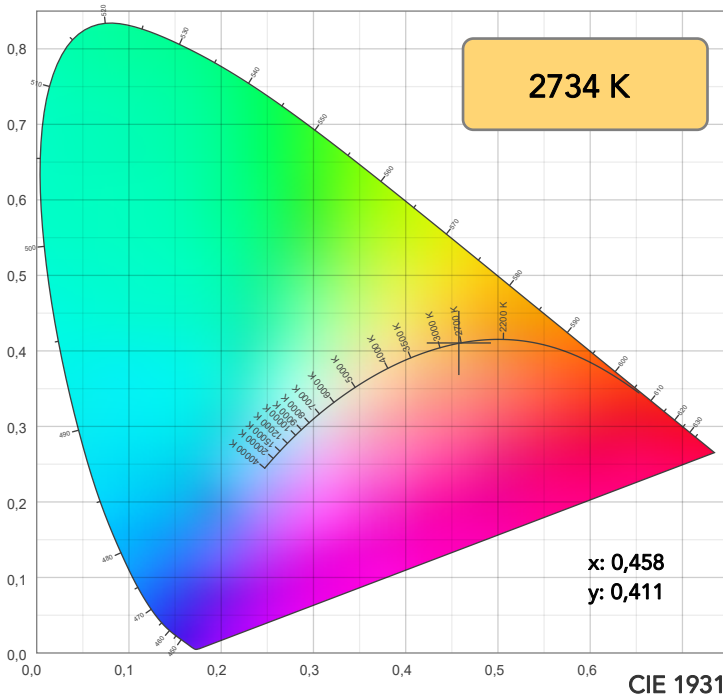
Field angle 10%: 18,6°

Cut off angle 2.5%: 25,7°

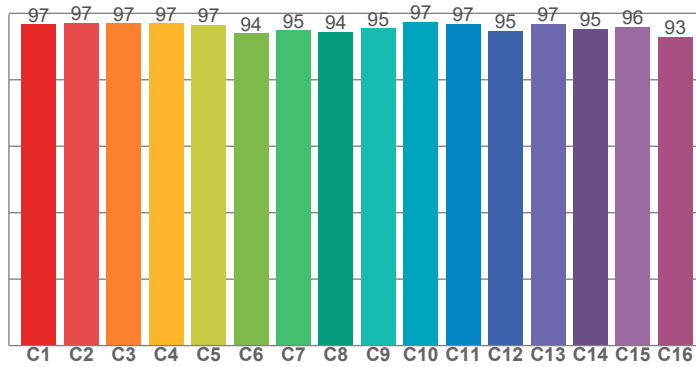
Spectra



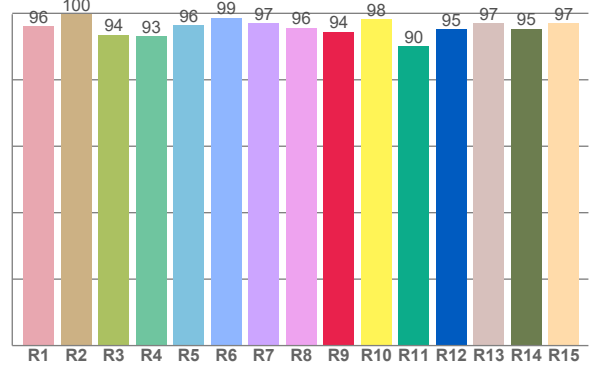
# COLOR DETAILS



**TM30: 96,0**



**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
96,2	99,7	93,6	93,1	96,5	98,6	97,0	95,7	94,4	98,3	90,1	95,1	97,0	95,3	97,1

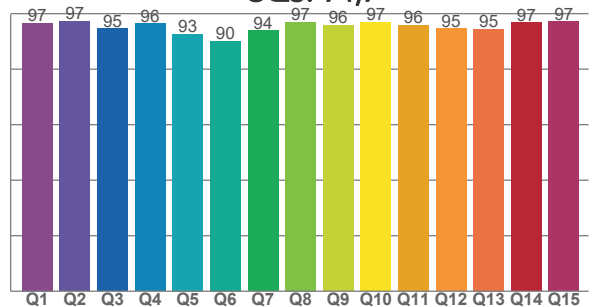
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,6	97,2	94,6	96,5	92,6	90,2	93,8	97,0	95,8	96,9	95,9	94,6	94,5	96,8	97,1

**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
2734 K	96,3	94,4	96,0	103,5	94,7	98	0,458	0,411	0,0002

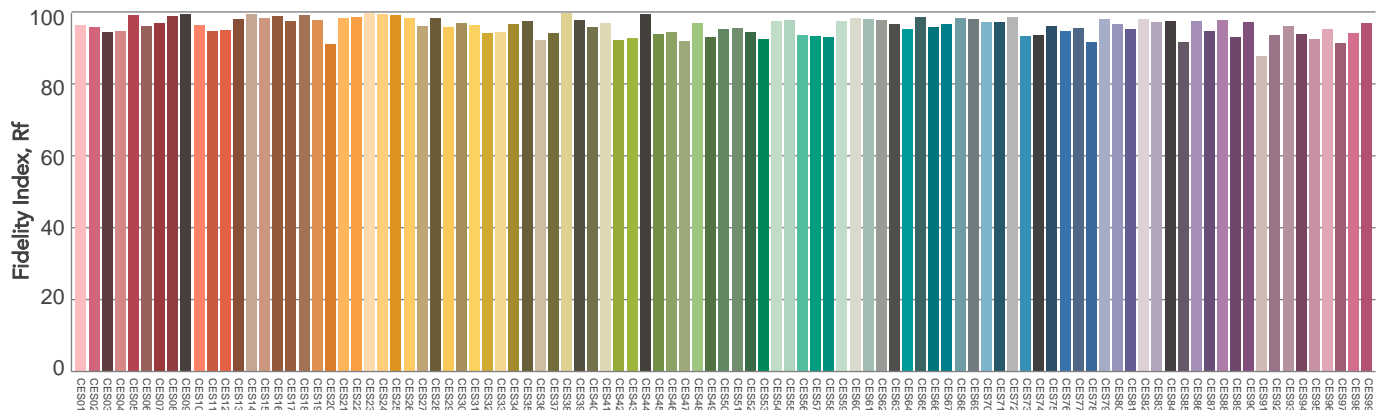
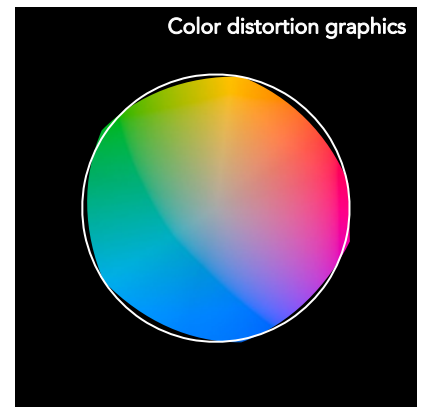
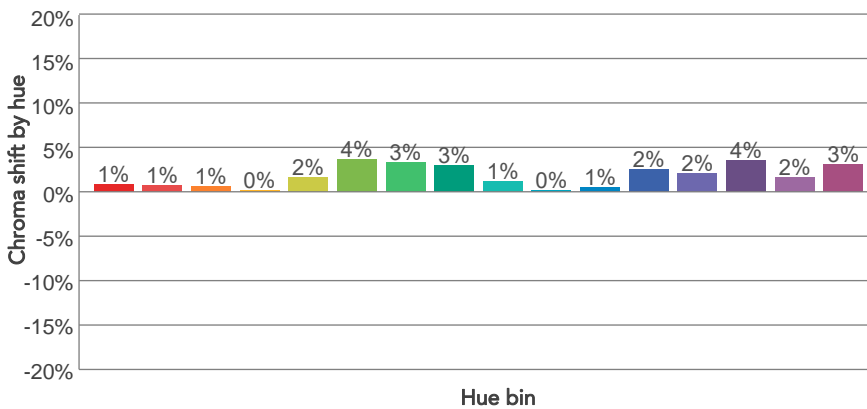
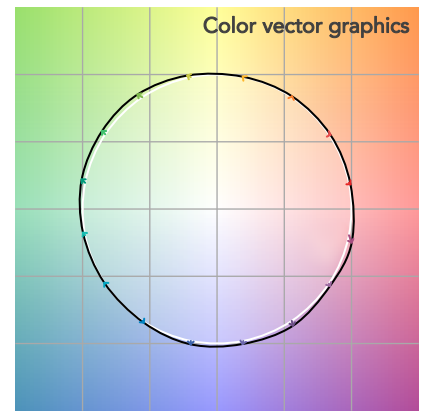
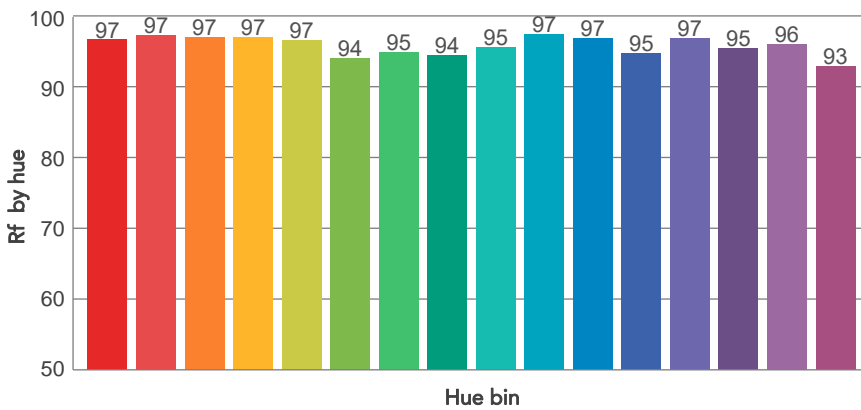
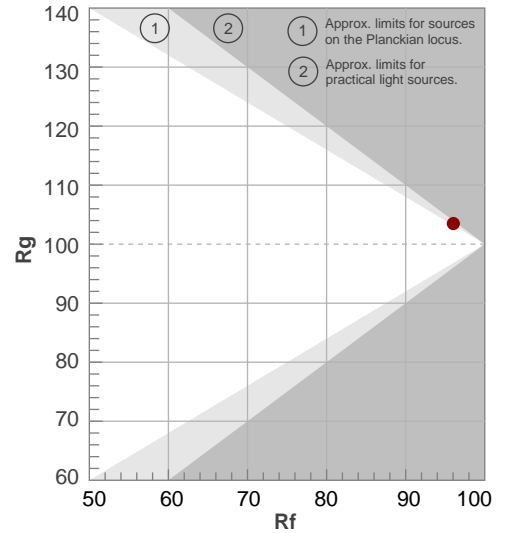


# TM30 DETAILS

**Rf 96,0**  
Fidelity index Rf

**Rg 103,5**  
Gammut index

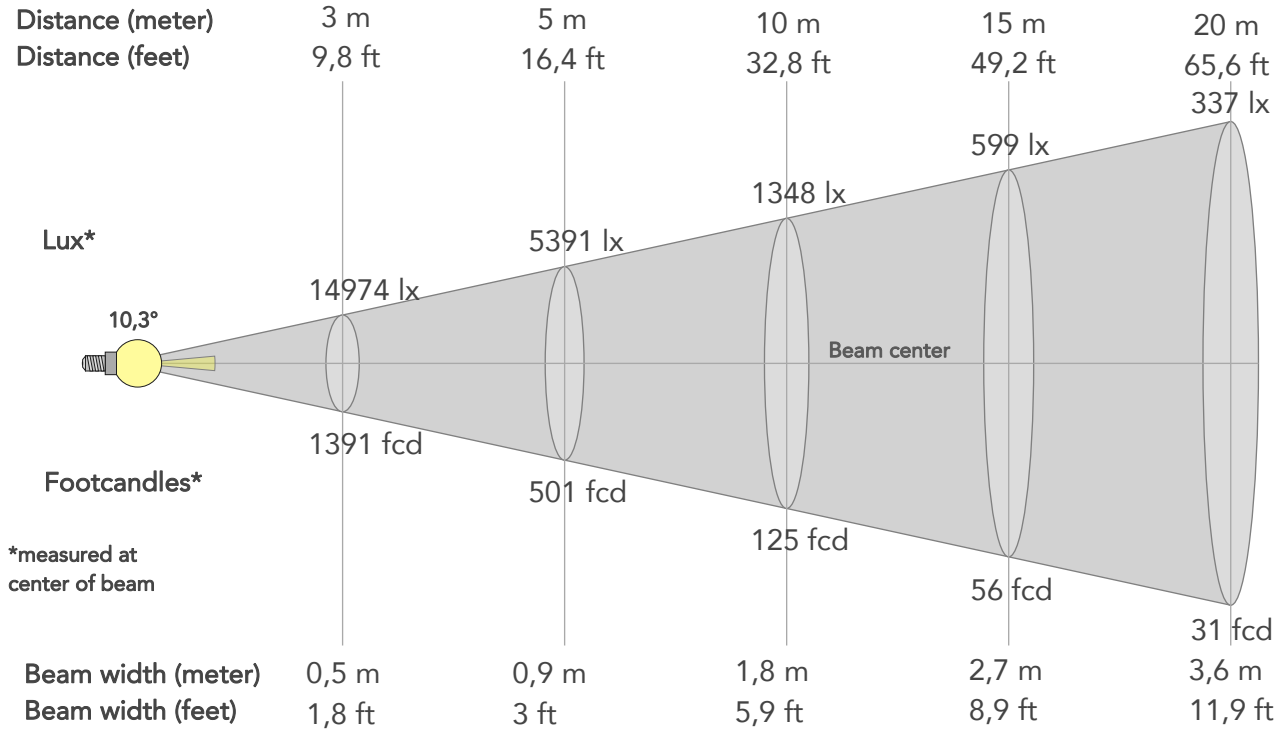
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	97	2%	2%
6	94	4%	2%
7	95	3%	-1%
8	94	3%	-2%
9	95	1%	-2%
10	97	0%	-1%
11	97	1%	2%
12	95	2%	0%
13	97	2%	-1%
14	95	4%	-1%
15	96	2%	-1%
16	93	3%	-5%



# BEAM DETAILS



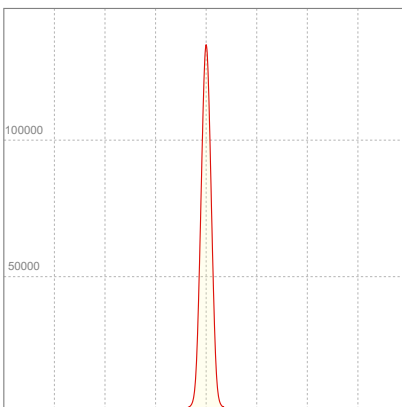
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,3°	18,6°	25,7°	97,2%	93,6%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	134768lx	33692lx	14974lx	8423lx	5391lx	2396lx	1348lx	599lx	337lx	216lx	150lx	84lx	54lx
Footcand.	12520fcd	3130fcd	1391fcd	783fcd	501fcd	223fcd	125fcd	56fcd	31fcd	20fcd	14fcd	8fcd	5fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,5m	5,4m	7,2m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	5,9ft	8,9ft	11,9ft	14,8ft	17,8ft	23,7ft	29,7ft

## LINEAR DISTRIBUTION DIAGRAM

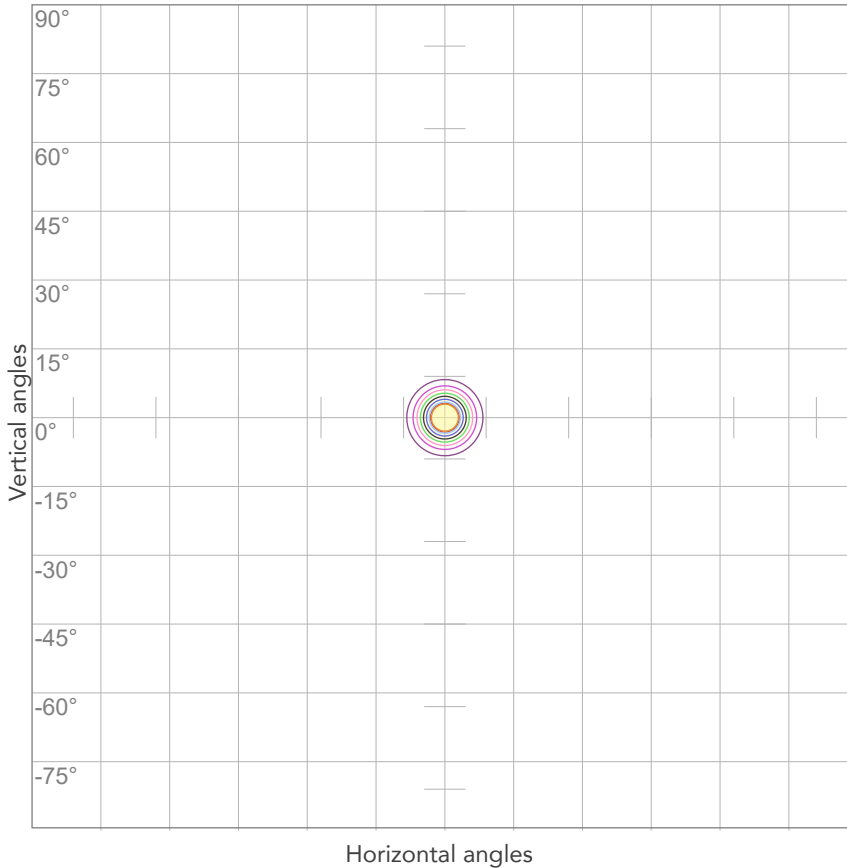


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,591A	130,2W	0,97	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



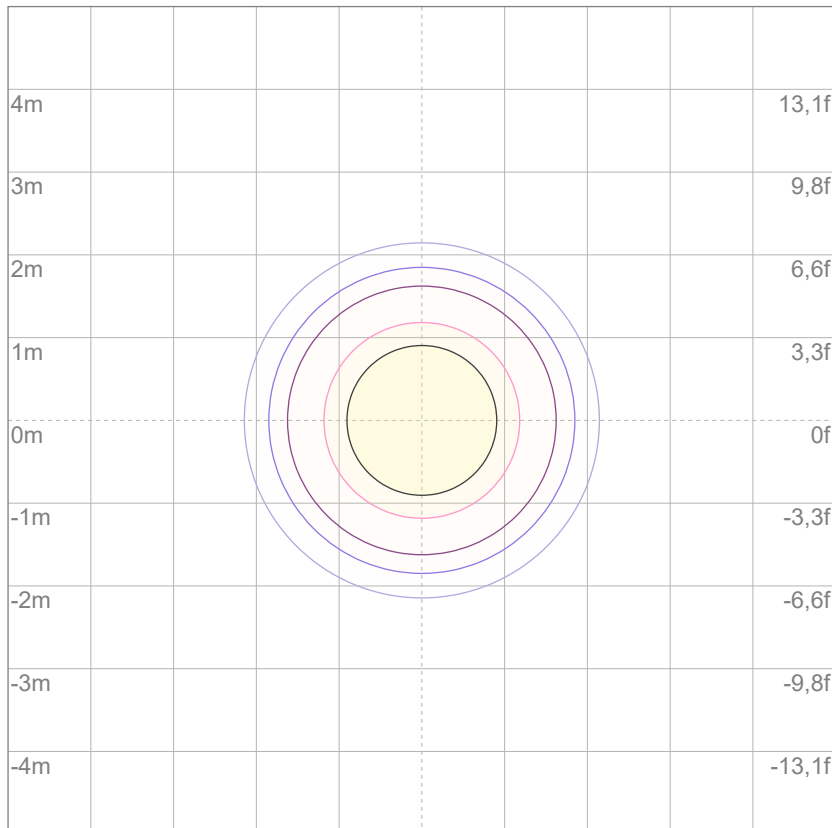
10%	13477 cd
20%	26954 cd
30%	40430 cd
40%	53907 cd
50%	67384 cd
60%	80861 cd
70%	94338 cd
80%	107815 cd

Conditions:

Number of c-planes: 2

Candela at center: 134768 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	40,4 lx
5%	67,4 lx
10%	135 lx
30%	404 lx
50%	674 lx

Conditions:

Number of c-planes: 2

Lux at center: 1348 lx

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



Total lumen output:

6099 lm

Peak candela output:

23948 cd

Light quality:

CRI: 96,3

Color temperature:

2714 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 20° Filter

**Target:**

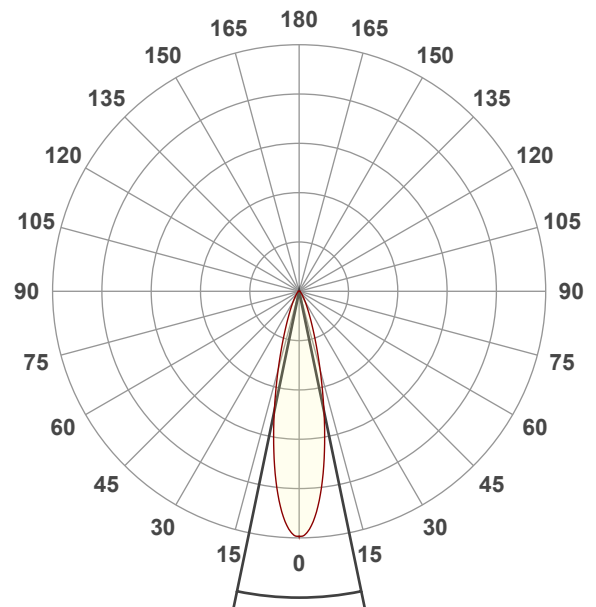
2700K

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 14:34:36

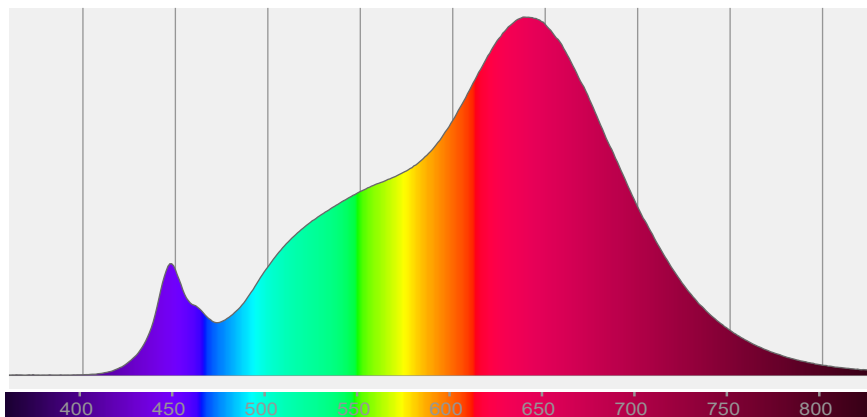


Beam angle 50%: 23,4°

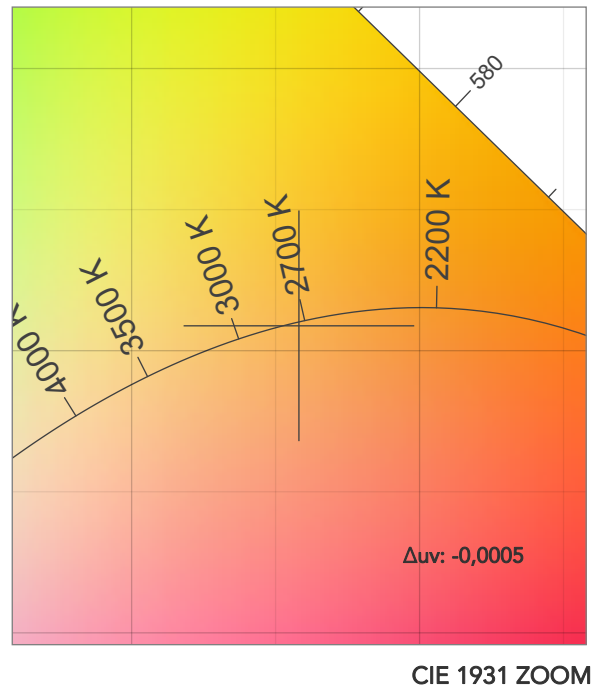
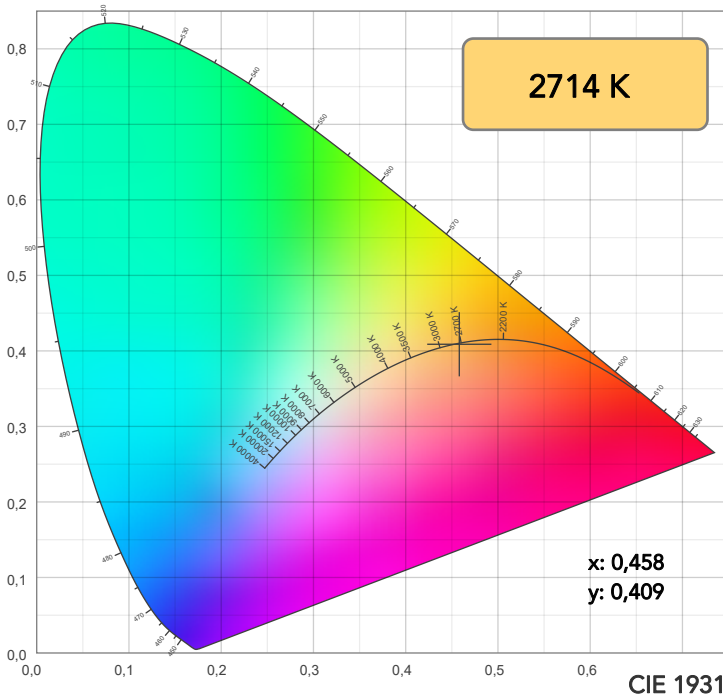
Field angle 10%: 47,6°

Cut off angle 2.5%: 74,1°

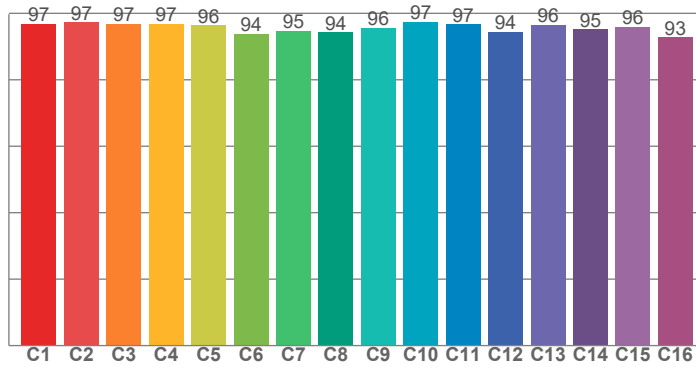
**Spectra**



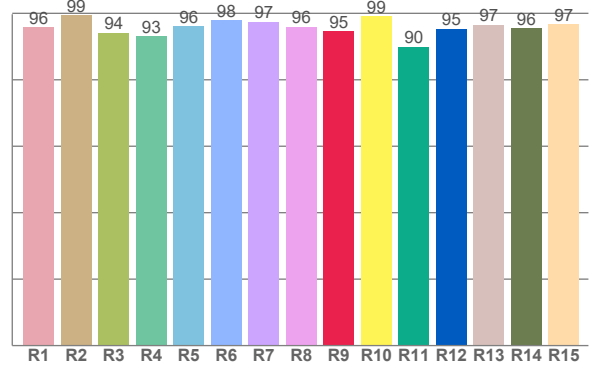
# COLOR DETAILS



**TM30: 95,9**



**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	99,4	94,1	93,1	96,1	97,9	97,4	96,0	94,6	99,1	89,9	95,4	96,6	95,6	96,8

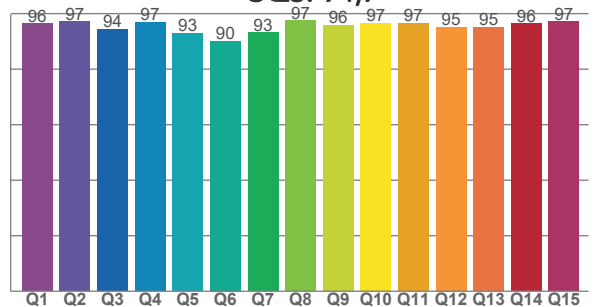
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,4	97,1	94,3	96,9	92,9	90,1	93,2	97,5	96,0	96,6	96,5	95,2	95,1	96,5	97,1

**CQS: 94,7**



## COLOR PARAMETERS

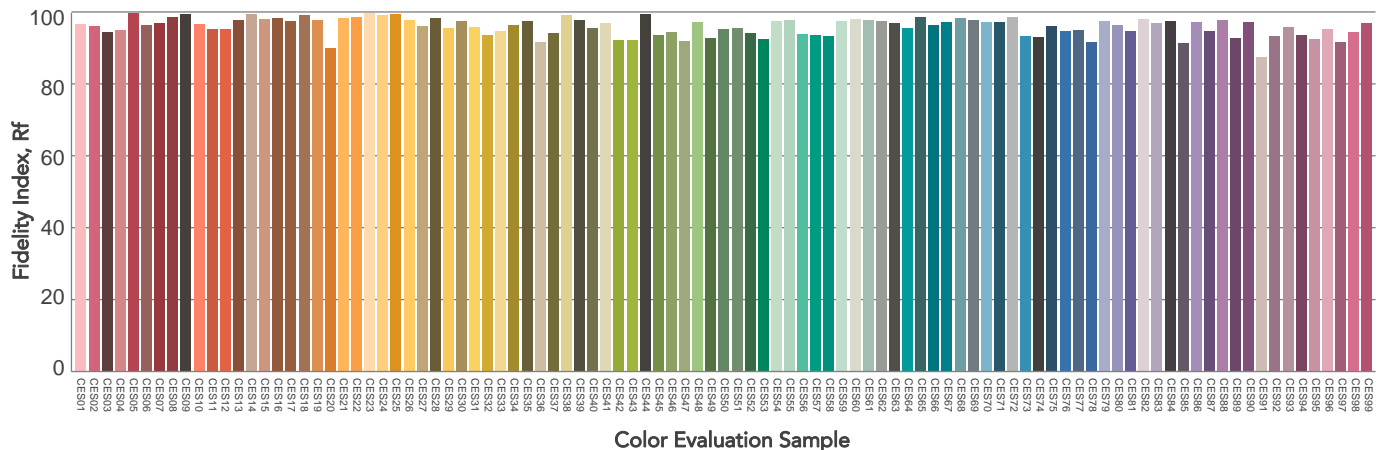
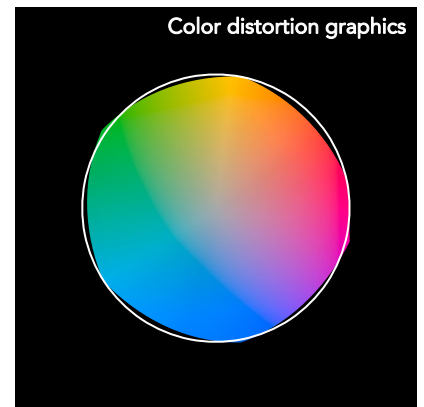
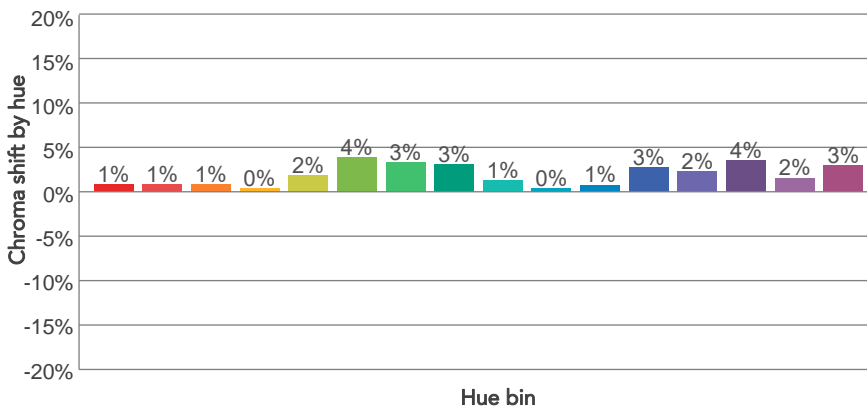
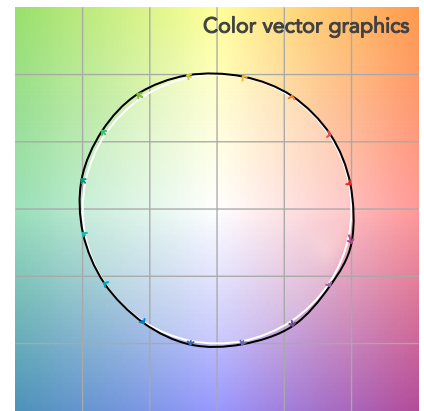
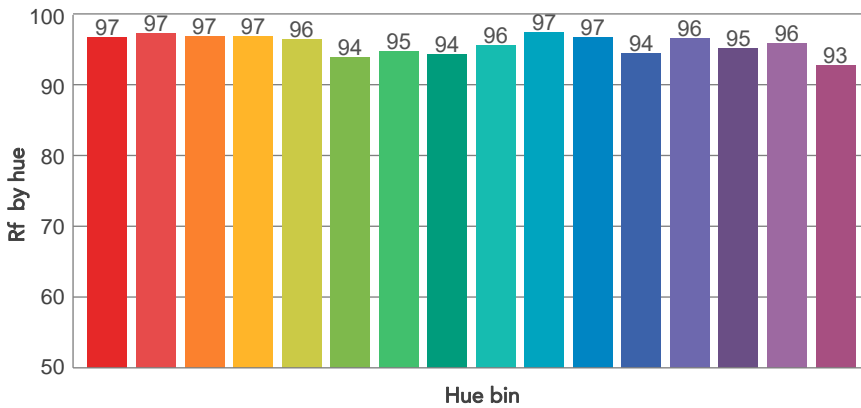
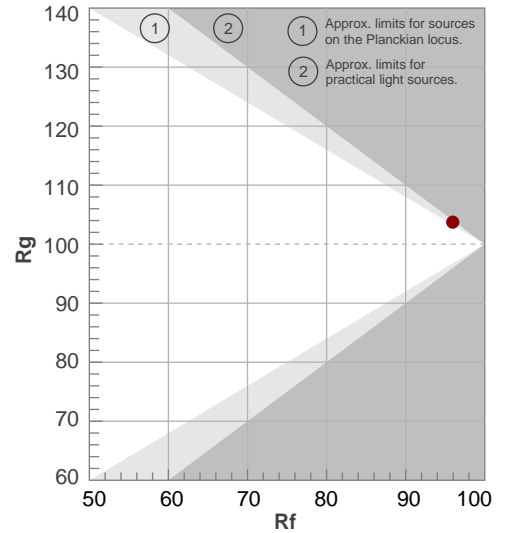
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2714 K	96,3	94,6	95,9	103,7	94,7	98	0,458	0,409	-0,0005

# TM30 DETAILS

**Rf 95,9**  
Fidelity index Rf

**Rg 103,7**  
Gammut index

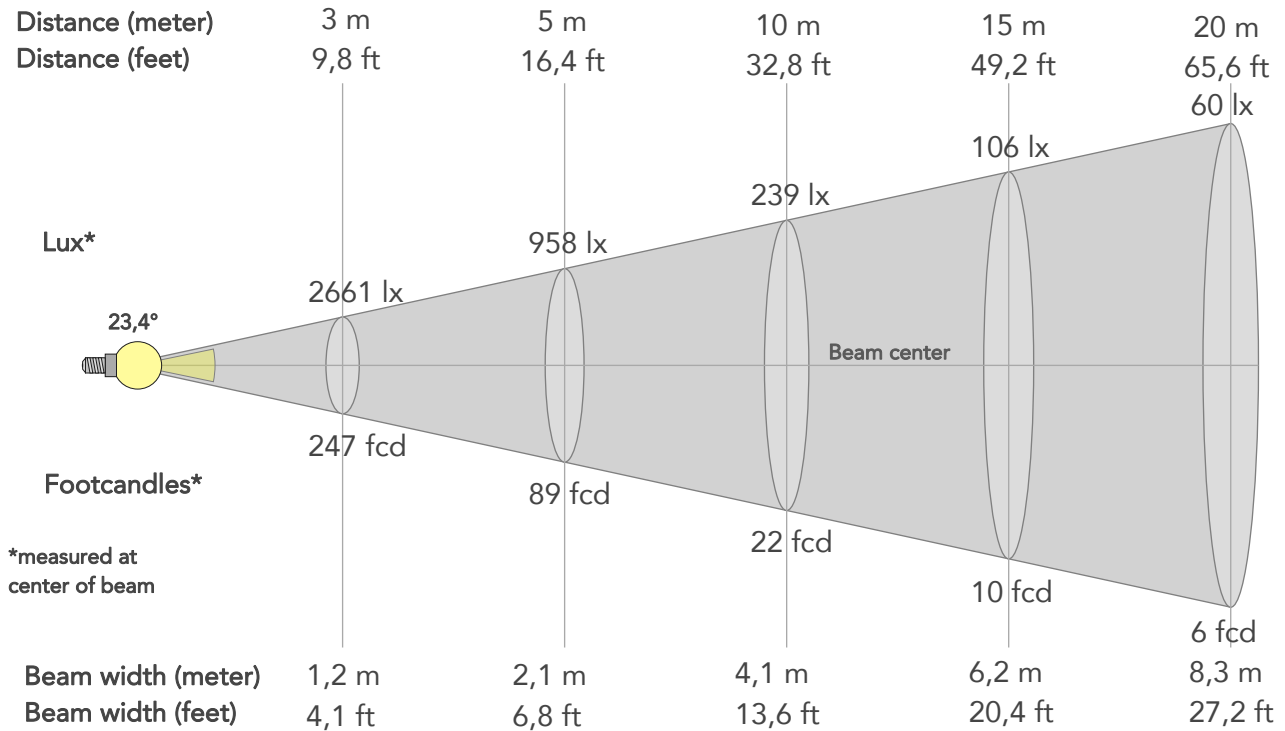
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	96	2%	2%
6	94	4%	2%
7	95	3%	-1%
8	94	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	2%
12	94	3%	0%
13	96	2%	-1%
14	95	4%	-2%
15	96	2%	-1%
16	93	3%	-5%



# BEAM DETAILS



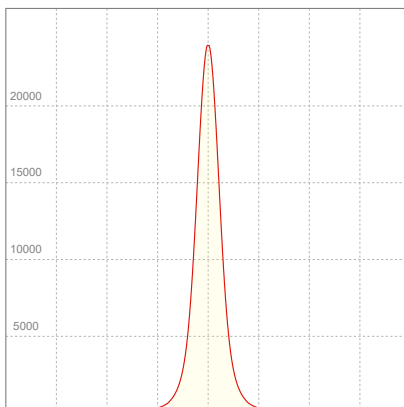
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,6°	74,1°	96,8%	91,9%



## 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	23948lx	5987lx	2661lx	1497lx	958lx	426lx	239lx	106lx	60lx	38lx	27lx	15lx	10lx
Footcand.	2225fcd	556fcd	247fcd	139fcd	89fcd	40fcd	22fcd	10fcd	6fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

## LINEAR DISTRIBUTION DIAGRAM

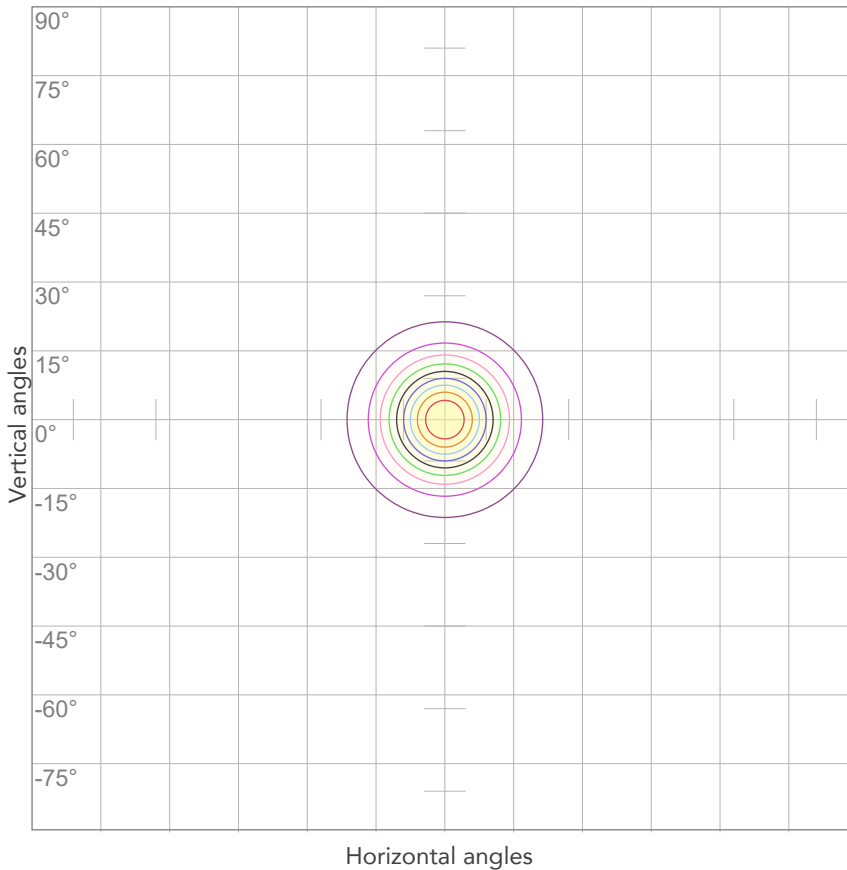


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,584A	128,2W	0,97	48lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



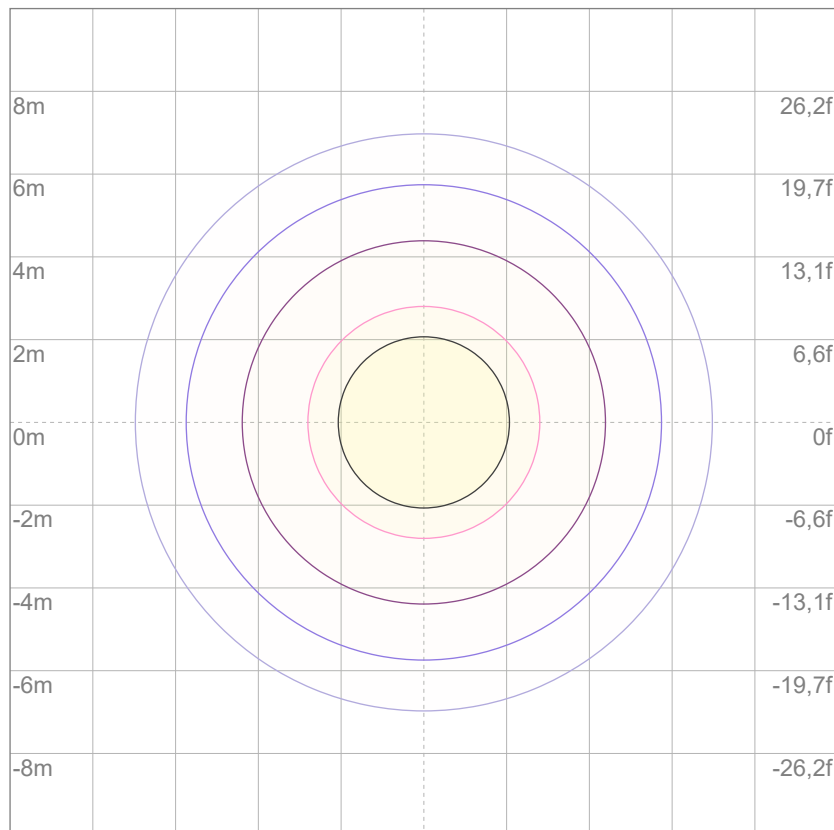
10%	2395 cd
20%	4790 cd
30%	7184 cd
40%	9579 cd
50%	11974 cd
60%	14369 cd
70%	16763 cd
80%	19158 cd

**Conditions:**

Number of c-planes: 2

Candela at center: 23948 cd

## ISO LUX DIAGRAM



3%	7,18 lx
5%	12,0 lx
10%	23,9 lx
30%	71,8 lx
50%	120 lx

**Conditions:**

Number of c-planes: 2

Lux at center: 239 lx

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





Total lumen output:

5989 lm

Peak candela output:

7555 cd

Light quality:

CRI: 96,2

Color temperature:

2717 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

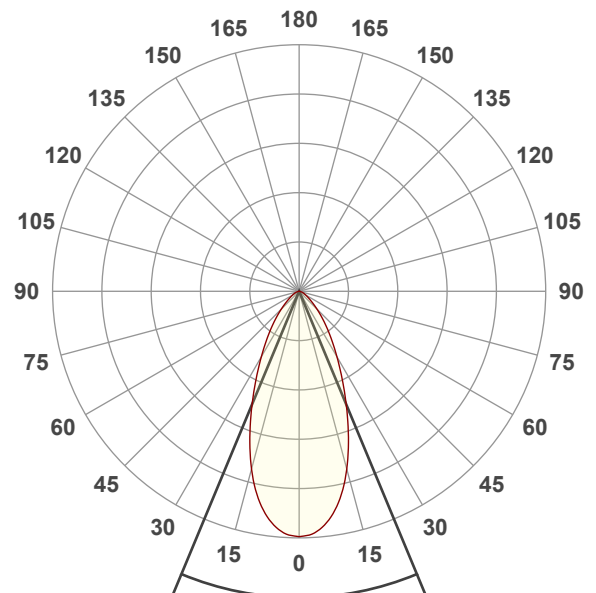
2700K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:53:06

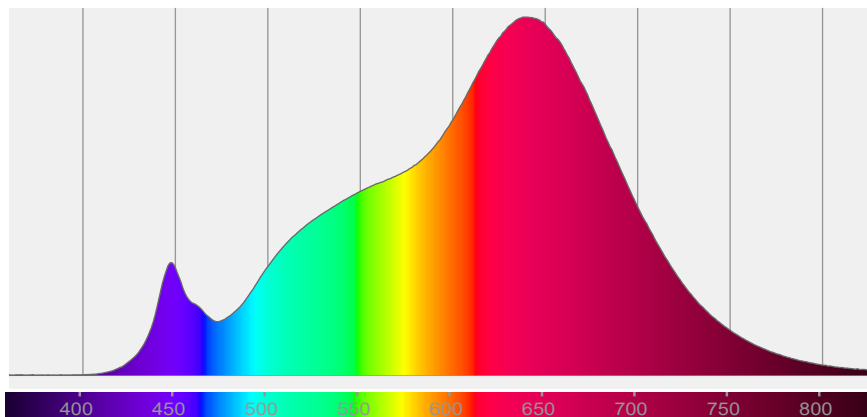


Beam angle 50%: 45,2°

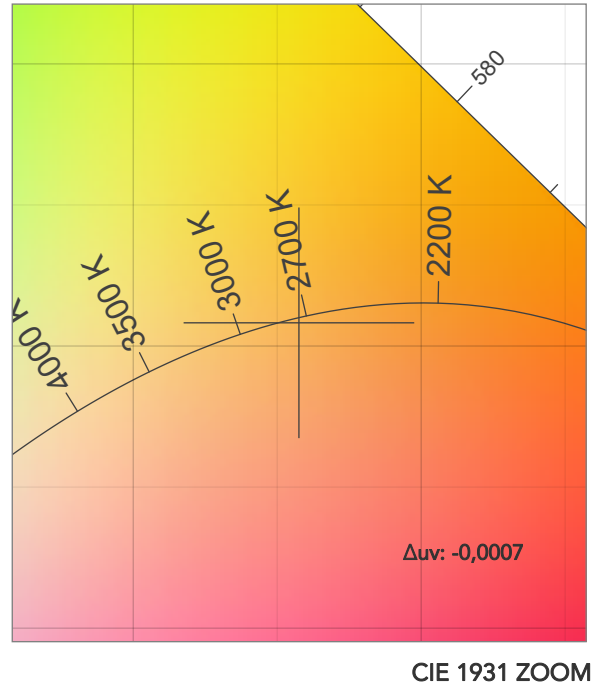
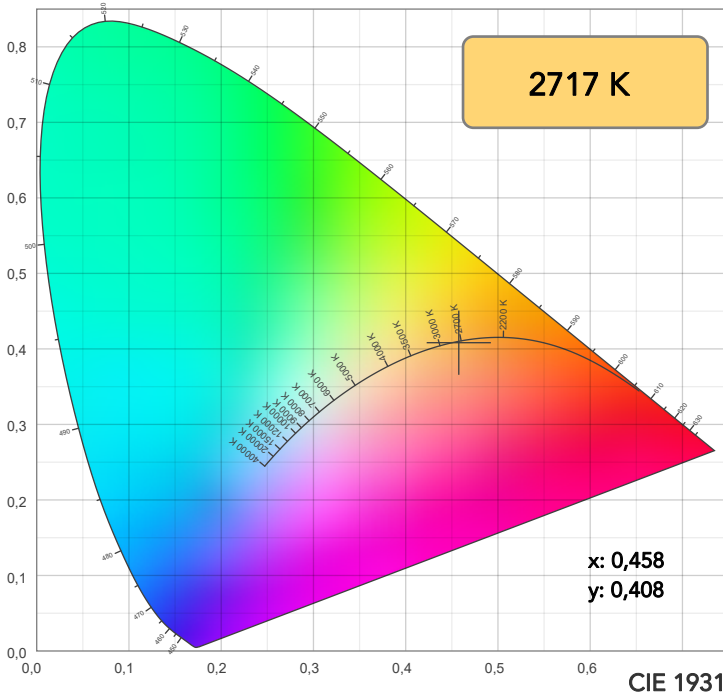
Field angle 10%: 90,8°

Cut off angle 2.5%: 127,1°

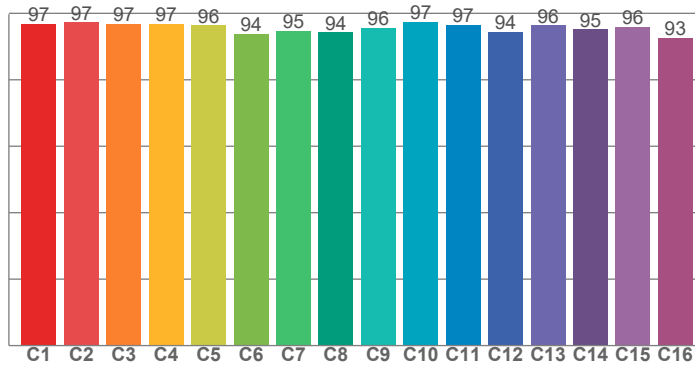
Spectra



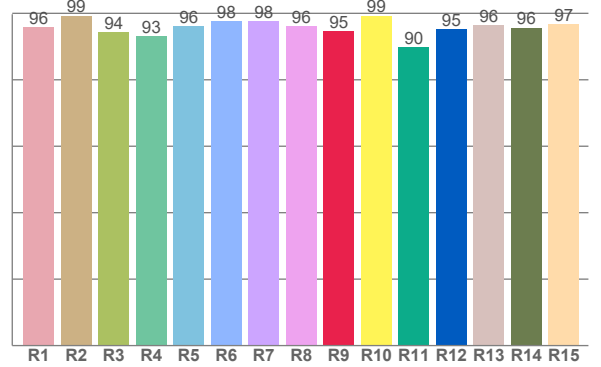
# COLOR DETAILS



**TM30: 95,9**



**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
95,8	99,2	94,3	93,1	96,0	97,7	97,5	96,0	94,5	99,3	89,9	95,3	96,5	95,7	96,7

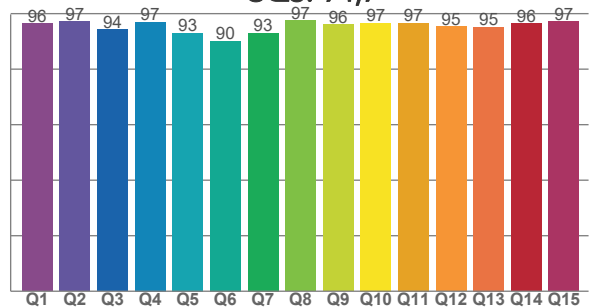
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	97,1	94,3	97,0	93,0	90,2	93,1	97,5	96,0	96,6	96,6	95,3	95,2	96,4	97,1

**CQS: 94,7**



## COLOR PARAMETERS

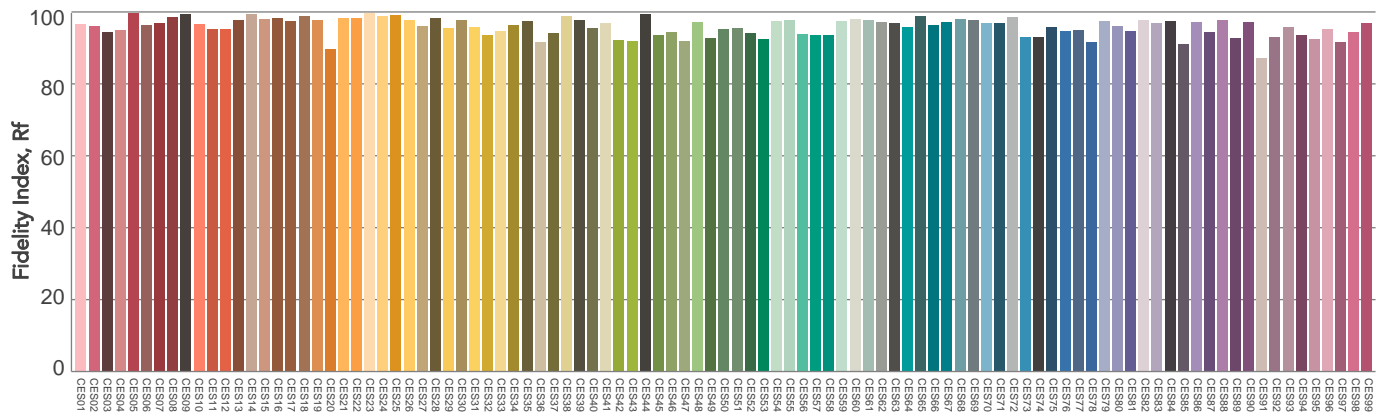
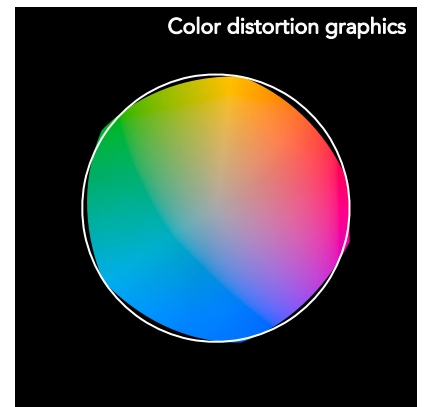
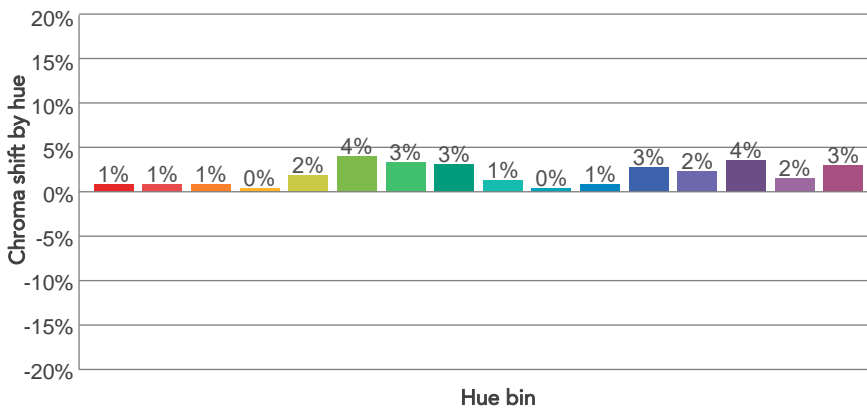
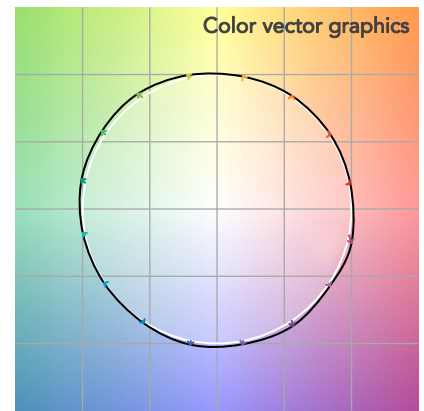
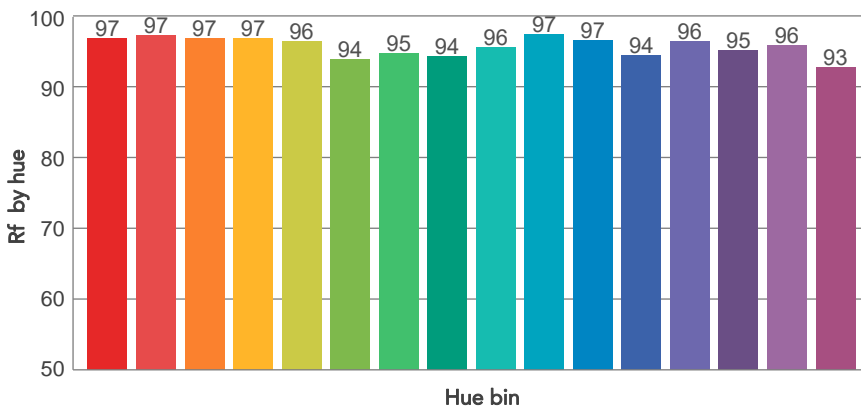
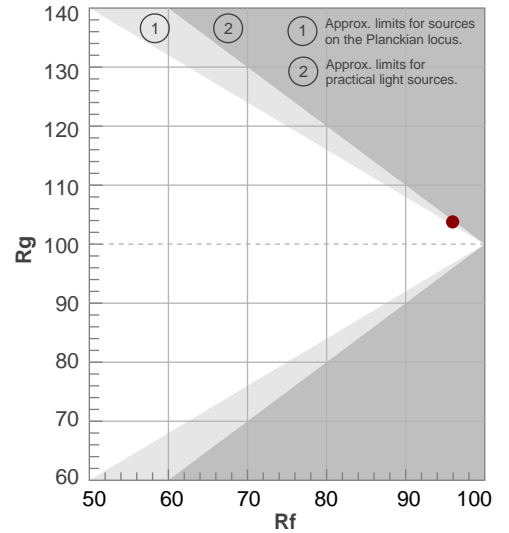
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2717 K	96,2	94,5	95,9	103,8	94,7	98	0,458	0,408	-0,0007

# TM30 DETAILS

**Rf 95,9**  
Fidelity index Rf

**Rg 103,8**  
Gammut index

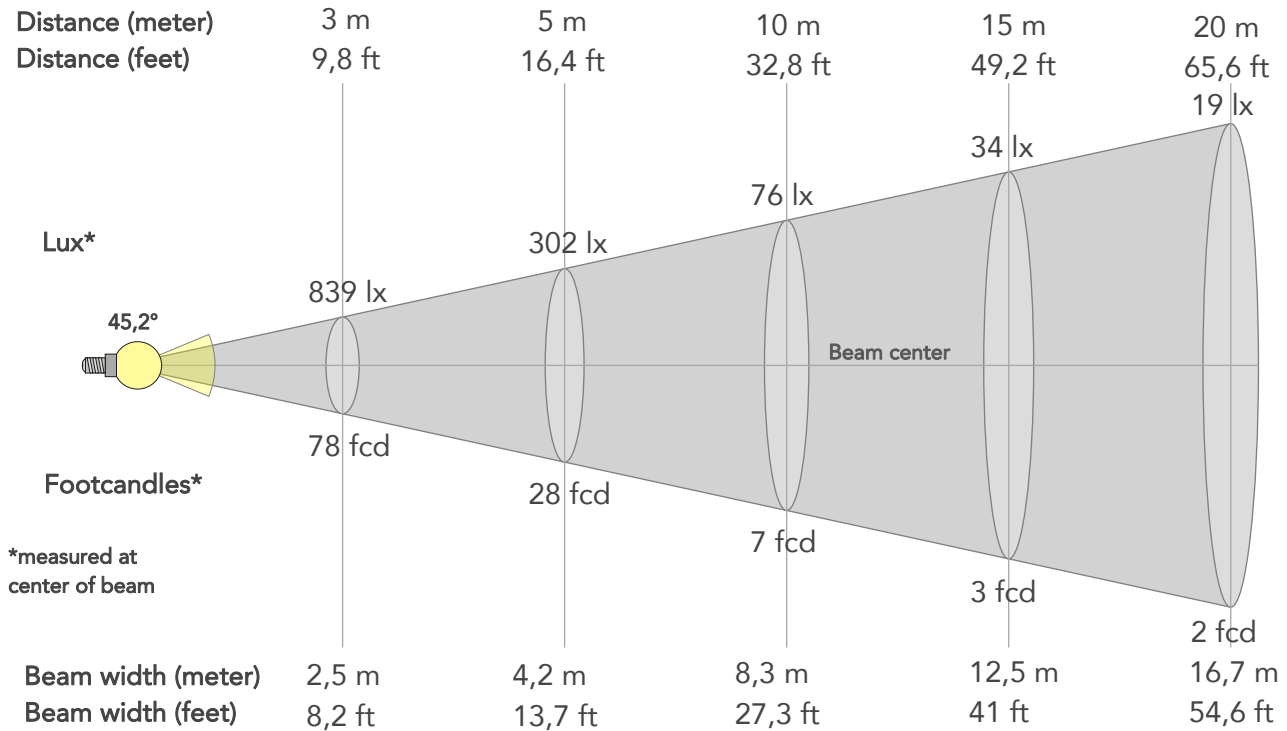
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	0%
4	97	0%	0%
5	96	2%	2%
6	94	4%	2%
7	95	3%	-1%
8	94	3%	-2%
9	96	1%	-2%
10	97	0%	-1%
11	97	1%	2%
12	94	3%	0%
13	96	2%	-1%
14	95	4%	-2%
15	96	2%	-1%
16	93	3%	-5%



# BEAM DETAILS



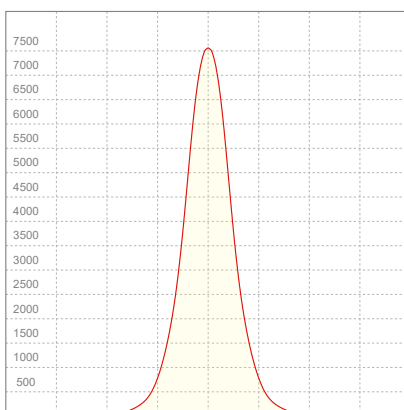
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127,1°	95,3%	85,7%



## 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	7555lx	1889lx	839lx	472lx	302lx	134lx	76lx	34lx	19lx	12lx	8lx	5lx	3lx
Footcand.	702fcd	175fcd	78fcd	44fcd	28fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,7m	20,8m	25m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,3ft	41ft	54,6ft	68,3ft	81,9ft	109,2ft	136,5ft

## LINEAR DISTRIBUTION DIAGRAM

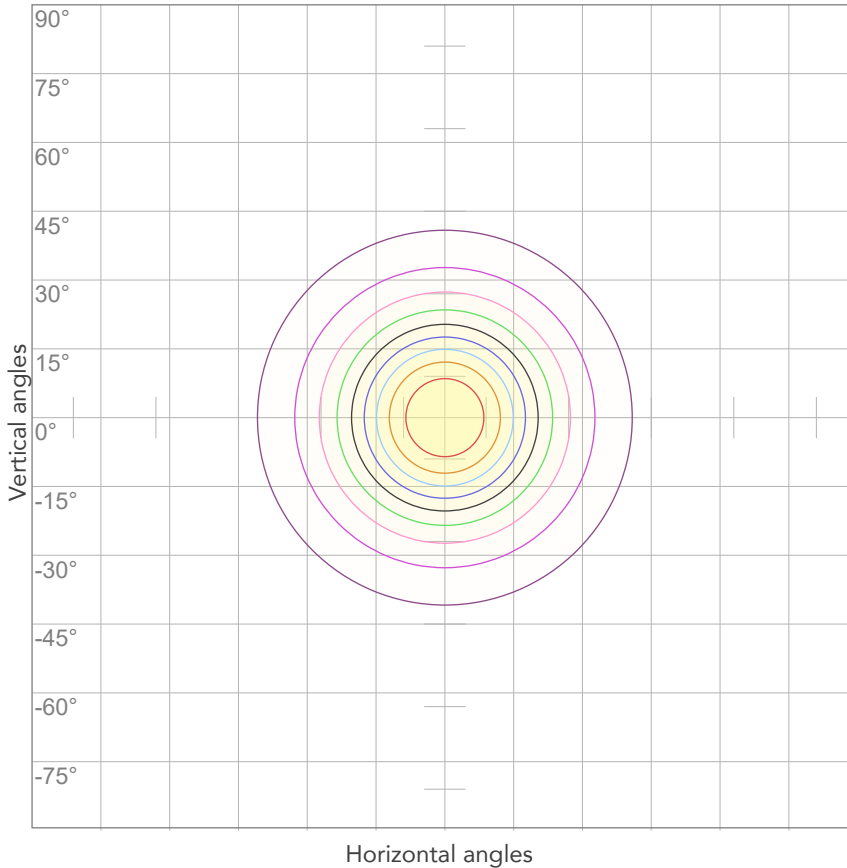


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,580A	127,7W	0,97	47lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



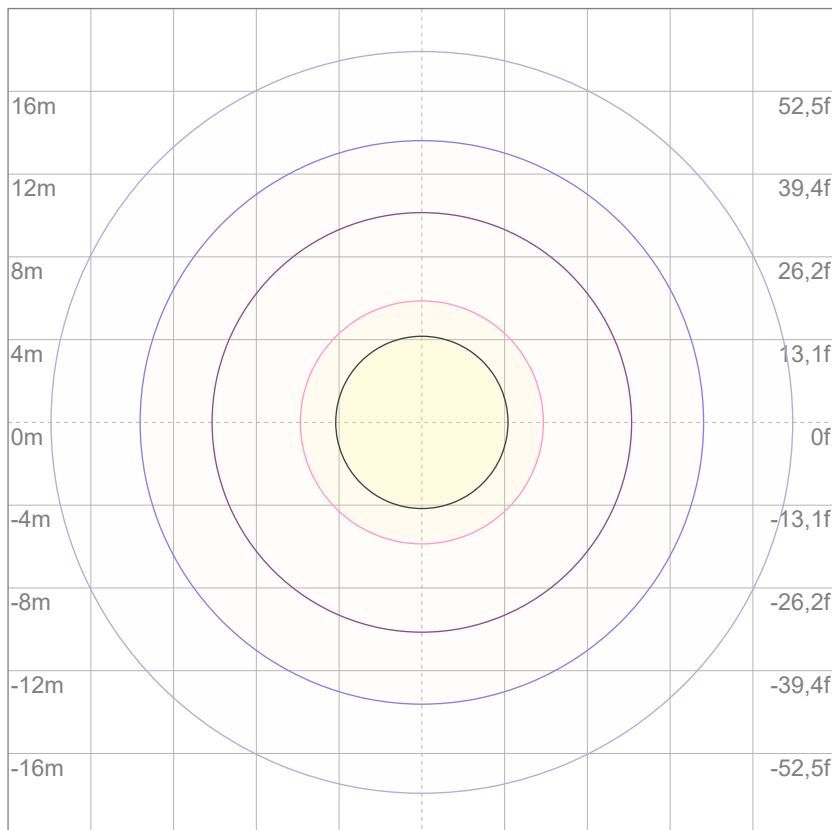
10%	755 cd
20%	1511 cd
30%	2266 cd
40%	3022 cd
50%	3777 cd
60%	4533 cd
70%	5288 cd
80%	6044 cd

Conditions:

Number of c-planes: 2

Candela at center: 7555 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,27 lx
5%	3,78 lx
10%	7,55 lx
30%	22,7 lx
50%	37,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 75,5 lx

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



Total lumen output:

5872 lm

Peak candela output:

5292 cd

Light quality:

CRI: 96,2

Color temperature:

2718 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

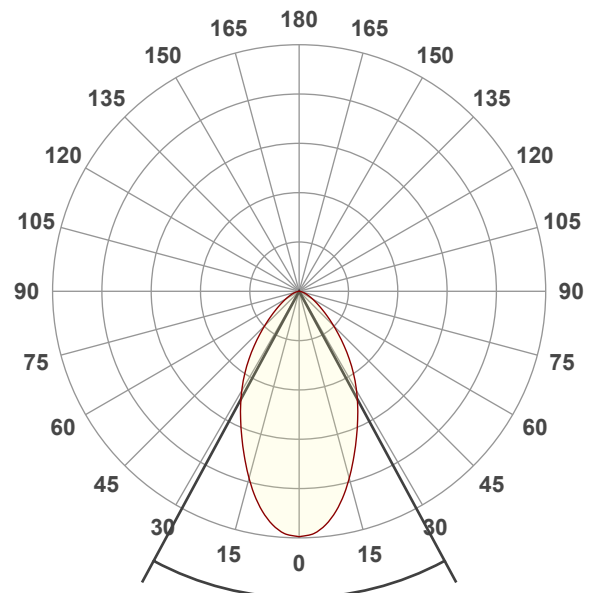
2700K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:33:59

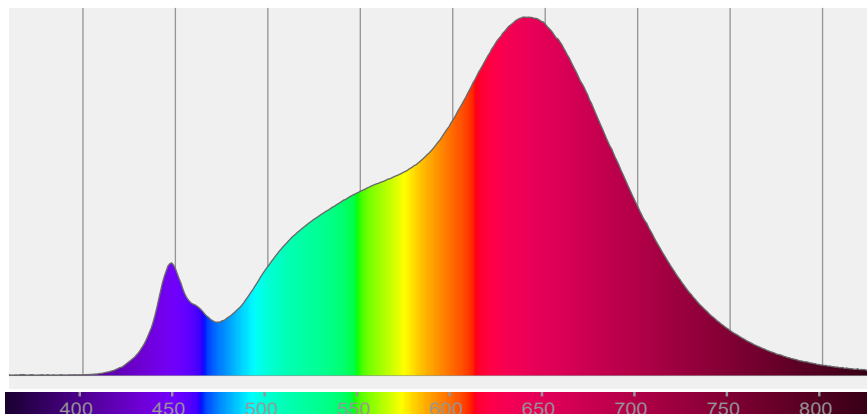


Beam angle 50%: 56,7°

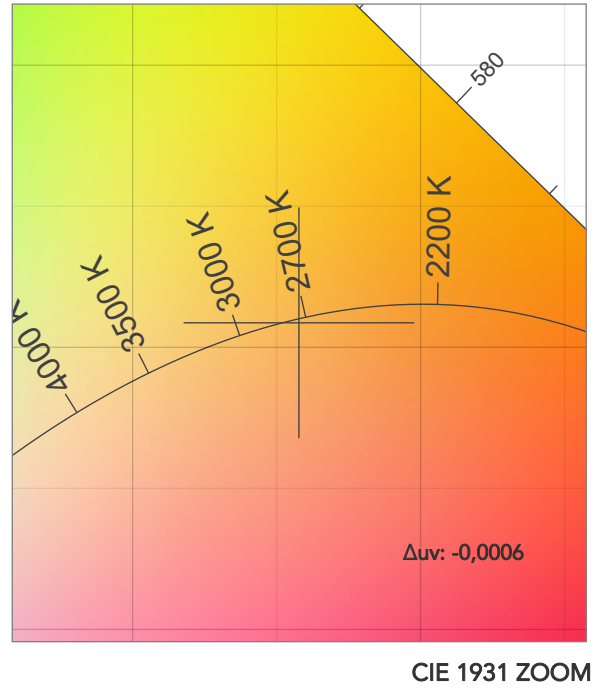
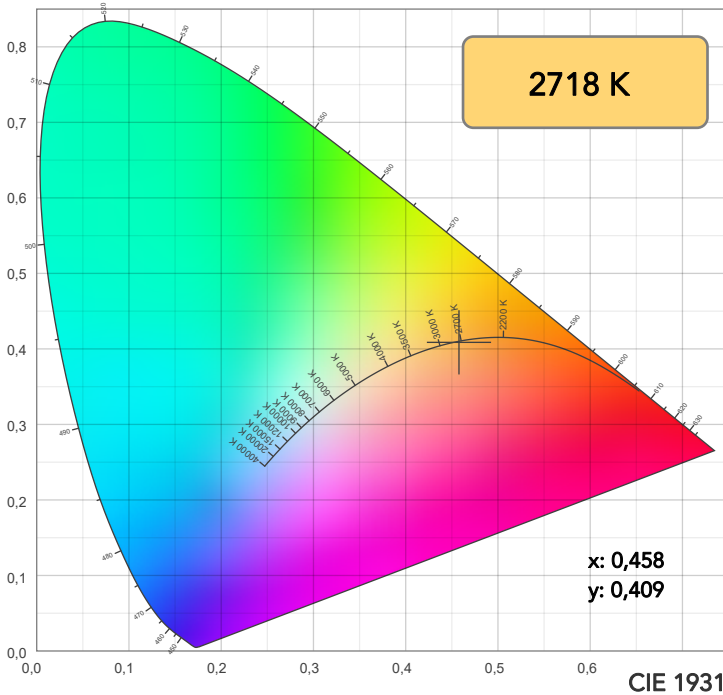
Field angle 10%: 108,2°

Cut off angle 2.5%: 142,2°

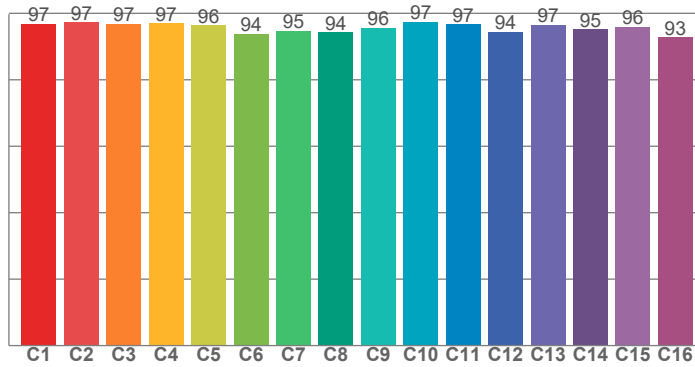
Spectra



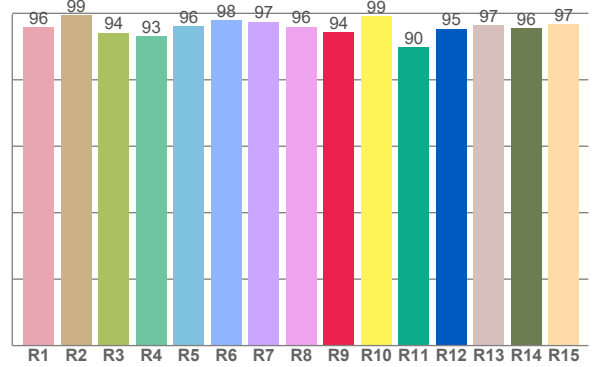
# COLOR DETAILS



**TM30: 96,0**



**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
95,8	99,3	94,2	93,1	96,1	97,8	97,4	95,9	94,4	99,2	89,8	95,3	96,5	95,6	96,7

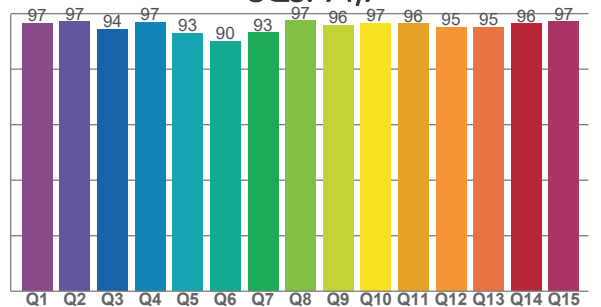
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,5	97,1	94,4	96,9	92,9	90,2	93,2	97,5	96,0	96,7	96,5	95,2	95,1	96,5	97,1

**CQS: 94,7**



## COLOR PARAMETERS

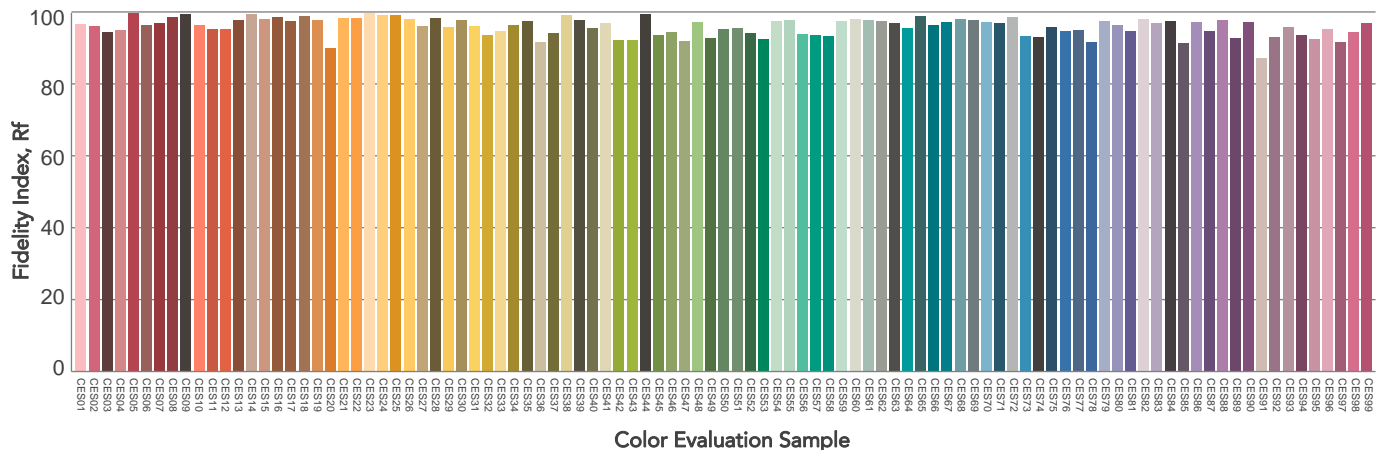
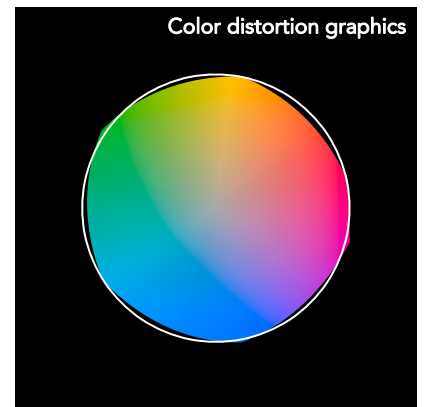
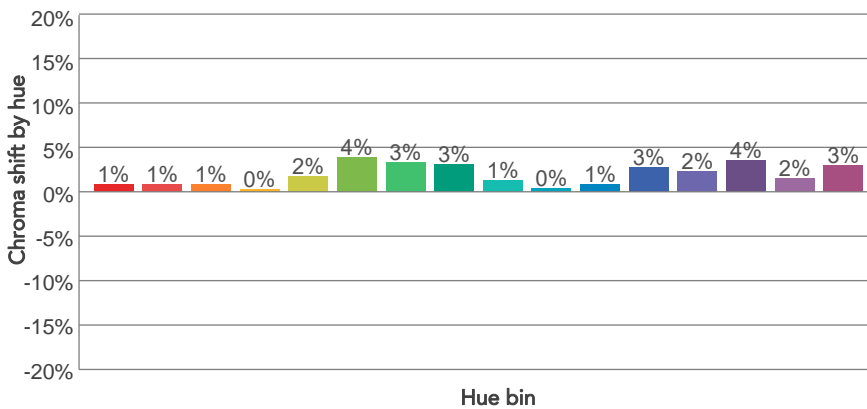
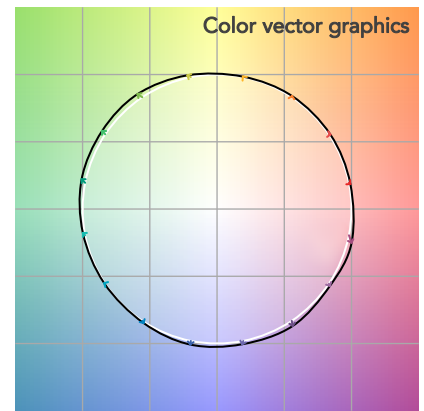
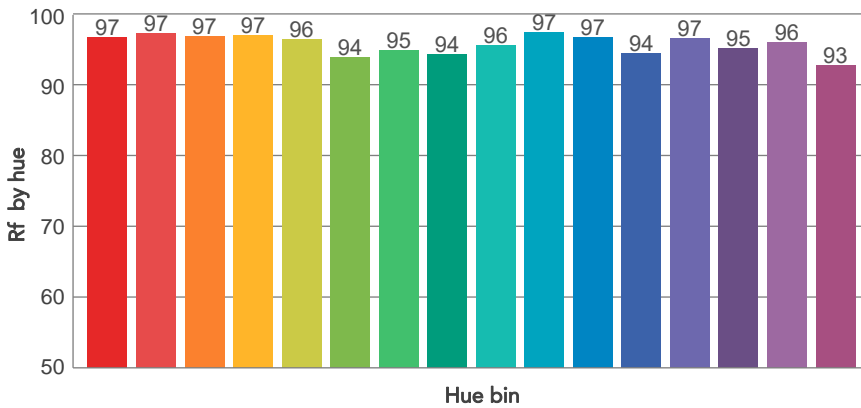
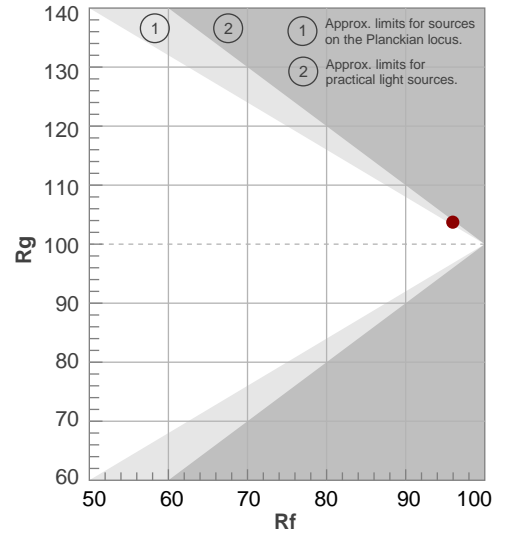
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2718 K	96,2	94,4	96,0	103,7	94,7	98	0,458	0,409	-0,0006

# TM30 DETAILS

**Rf 96,0**  
Fidelity index Rf

**Rg 103,7**  
Gammut index

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

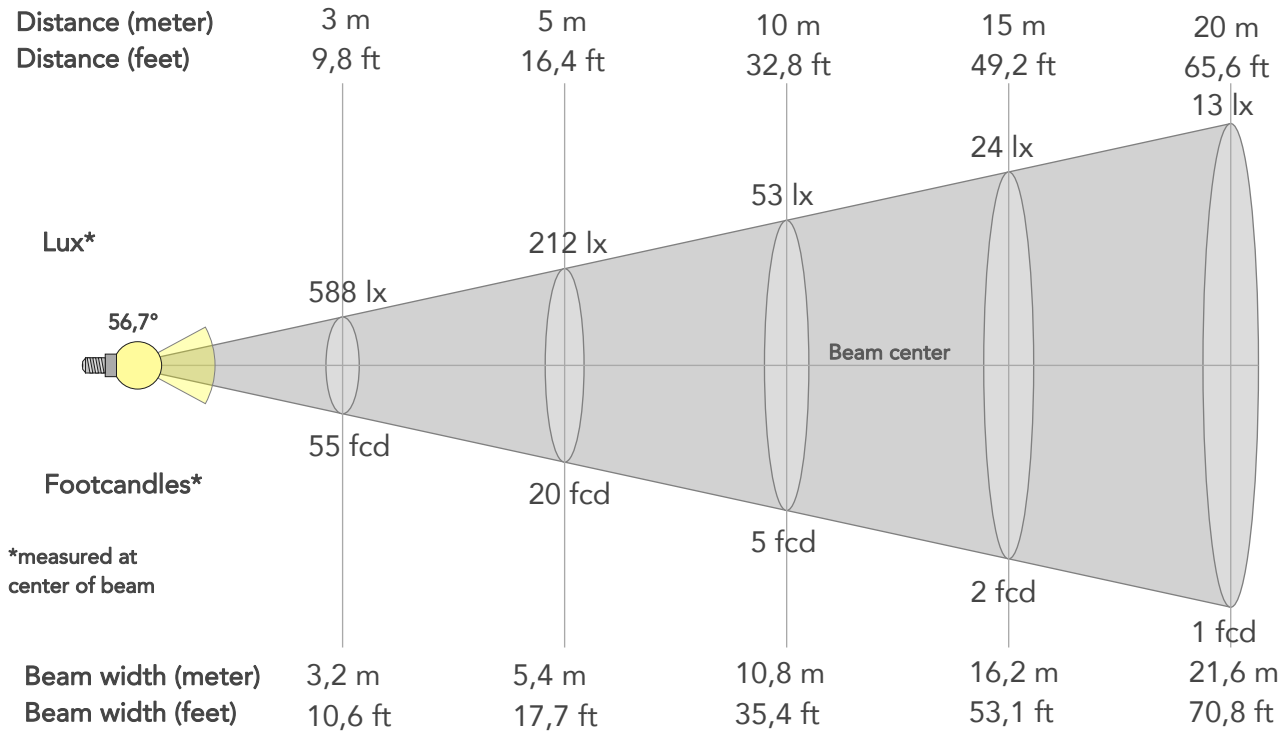




# BEAM DETAILS



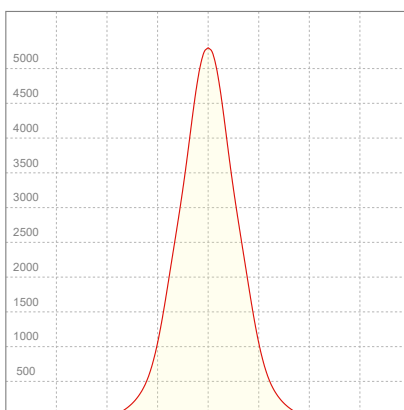
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	108,2°	142,2°	93,9%	80,2%



## 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	5292lx	1323lx	588lx	331lx	212lx	94lx	53lx	24lx	13lx	8lx	6lx	3lx	2lx
Footcand.	492fcd	123fcd	55fcd	31fcd	20fcd	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	32,4m	43,2m	54m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,6ft	35,4ft	53,1ft	70,8ft	88,5ft	106,2ft	141,6ft	177ft

## LINEAR DISTRIBUTION DIAGRAM

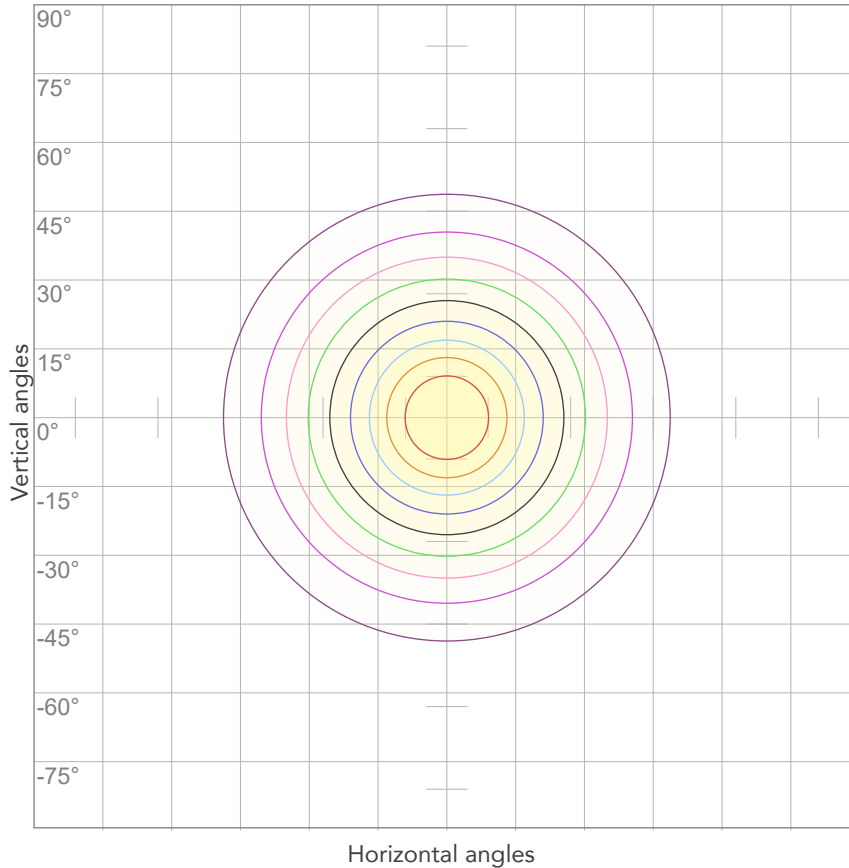


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,587A	128,1W	0,97	46lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



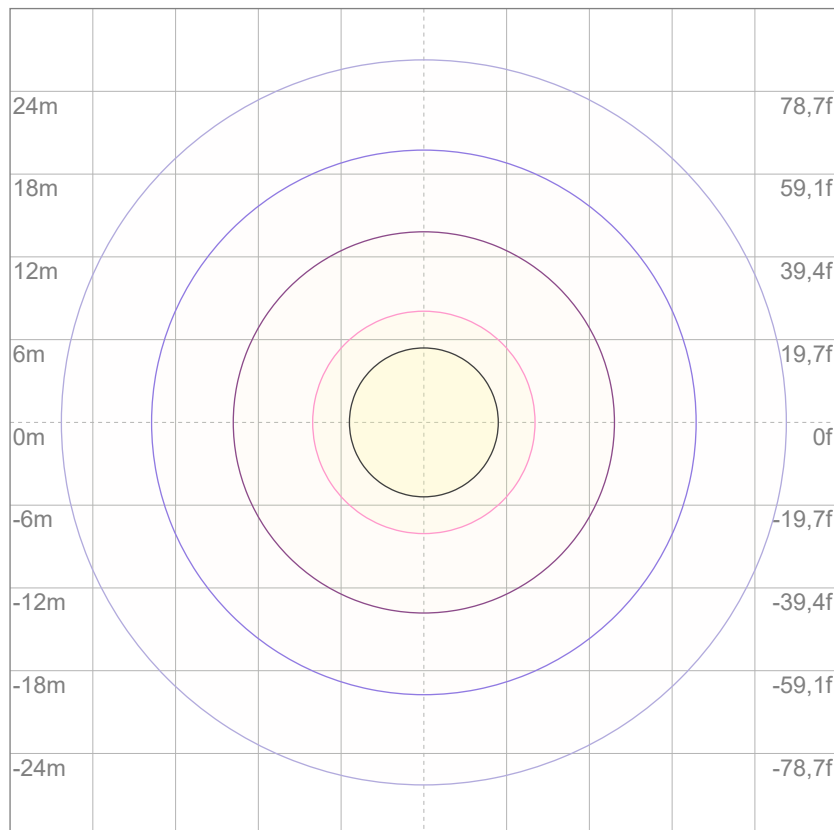
10%	529 cd
20%	1058 cd
30%	1588 cd
40%	2117 cd
50%	2646 cd
60%	3175 cd
70%	3705 cd
80%	4234 cd

Conditions:

Number of c-planes: 2

Candela at center: 5292 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,59 lx
5%	2,65 lx
10%	5,29 lx
30%	15,9 lx
50%	26,5 lx

Conditions:

Number of c-planes: 2

Lux at center: 52,9 lx

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



Total lumen output:

8660 lm

Peak candela output:

18137 cd

Light quality:

CRI: 96,2

Color temperature:

2699 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60° Filter

Target:

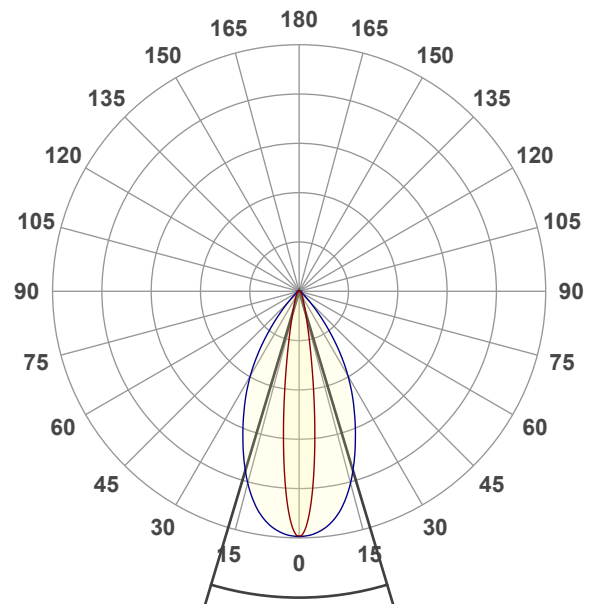
2700K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 16:01:57

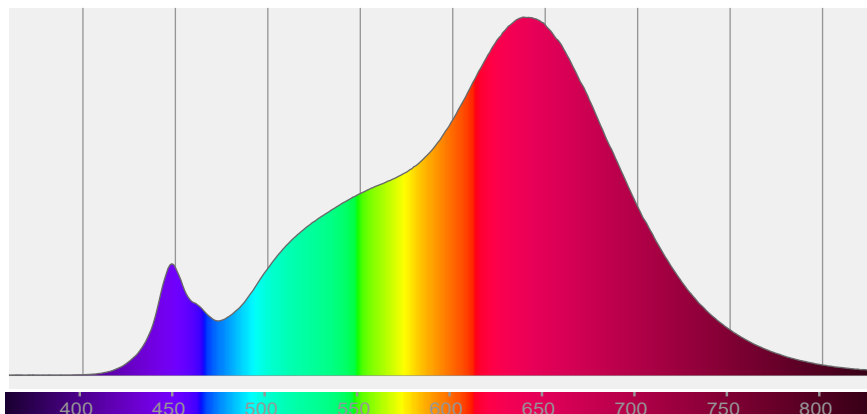


Beam angle 50%: 33,4°

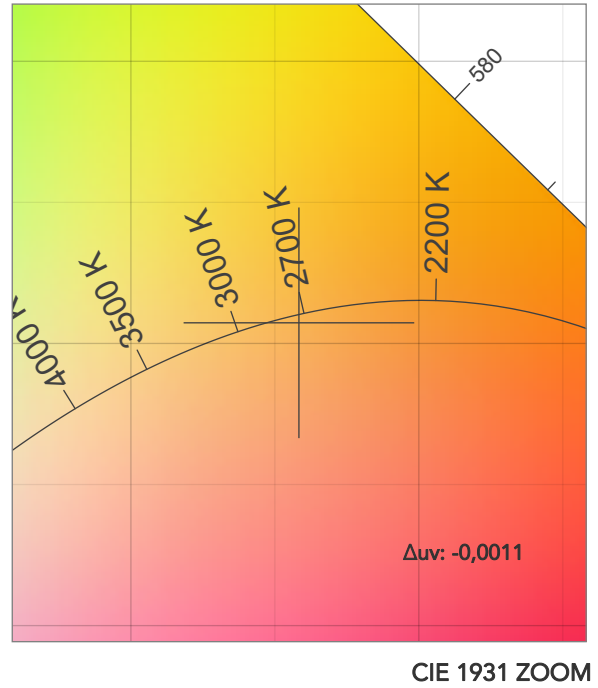
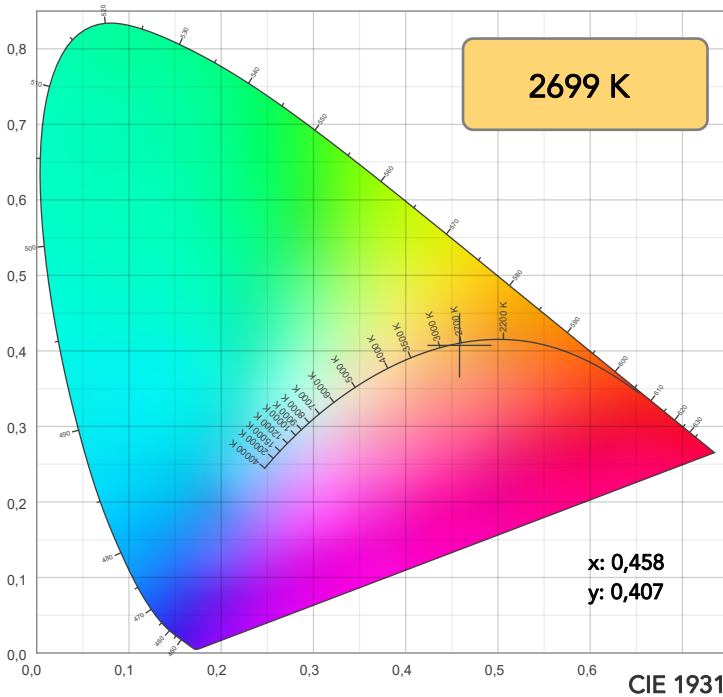
Field angle 10%: 58,4°

Cut off angle 2.5%: 84,1°

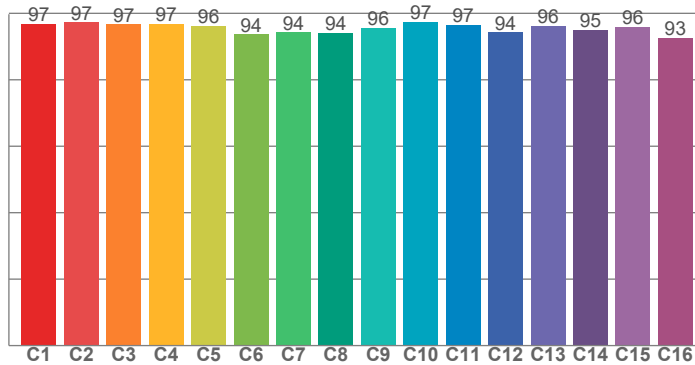
Spectra



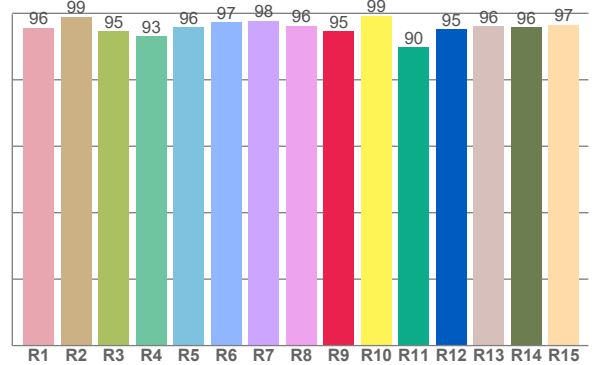
# COLOR DETAILS



TM30: 95,9



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
95,6	99,0	94,6	93,1	95,8	97,2	97,8	96,3	94,7	99,2	89,8	95,2	96,2	95,8	96,6

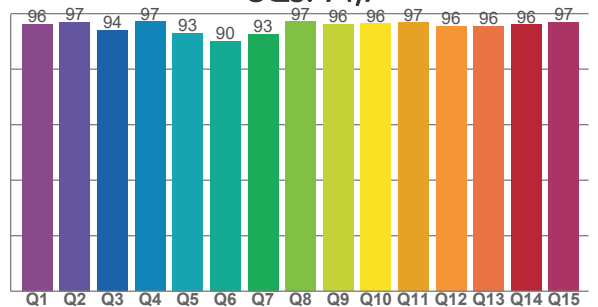
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	97,0	94,1	97,1	93,1	90,1	92,6	97,1	96,1	96,4	96,8	95,6	95,6	96,1	97,0

CQS: 94,7



## COLOR PARAMETERS

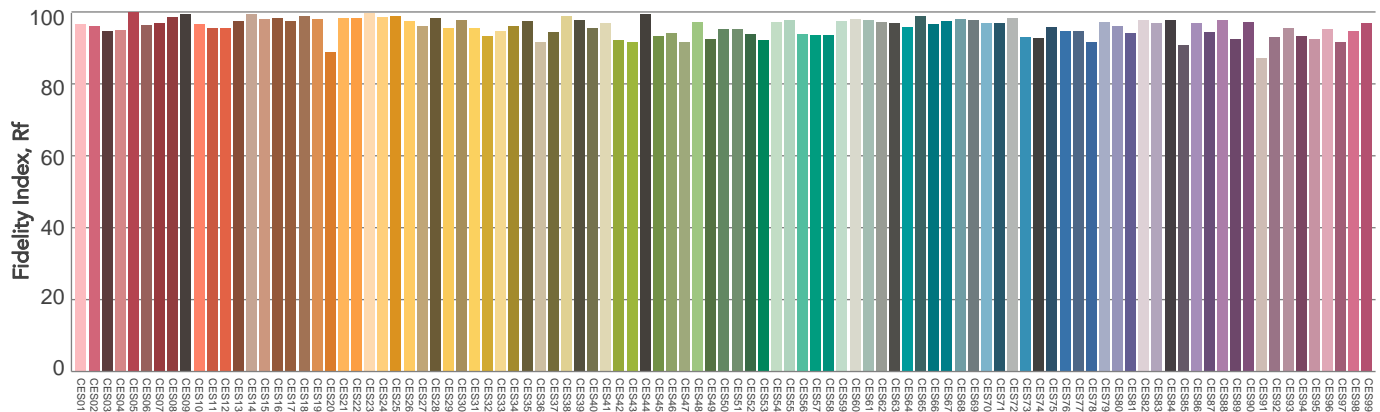
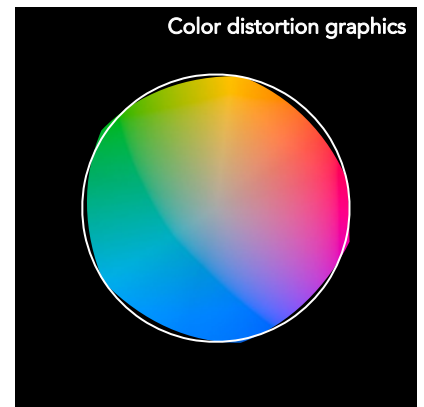
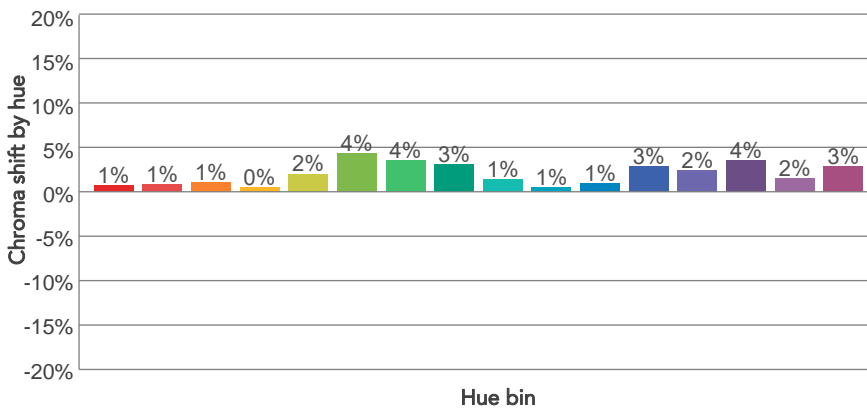
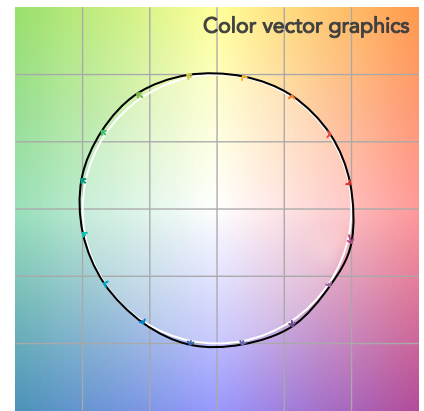
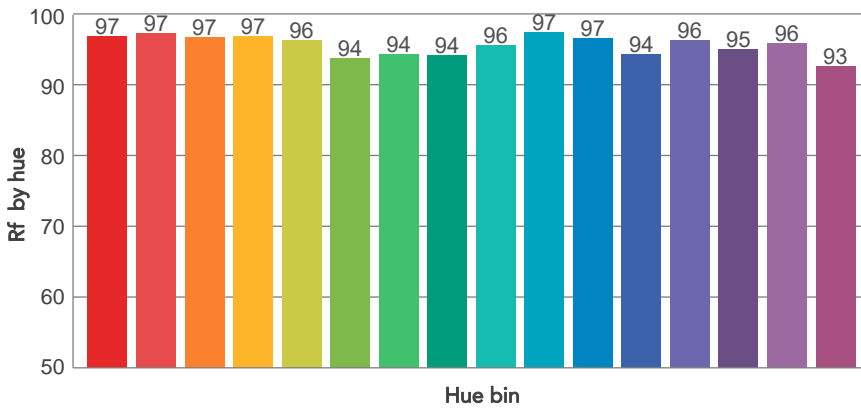
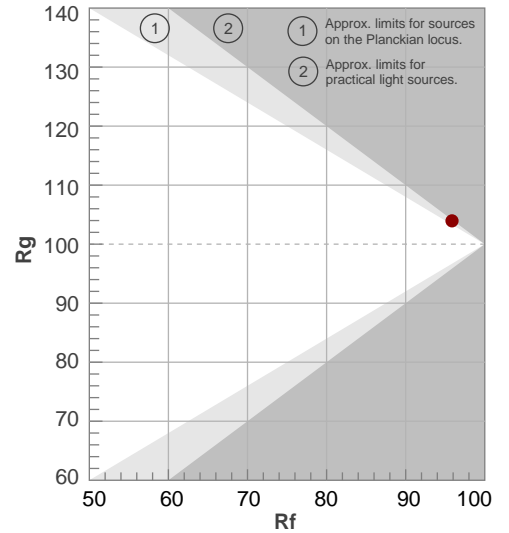
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2699 K	96,2	94,7	95,9	103,9	94,7	97	0,458	0,407	-0,0011

# TM30 DETAILS

**Rf 95,9**  
Fidelity index Rf

**Rg 103,9**  
Gammut index

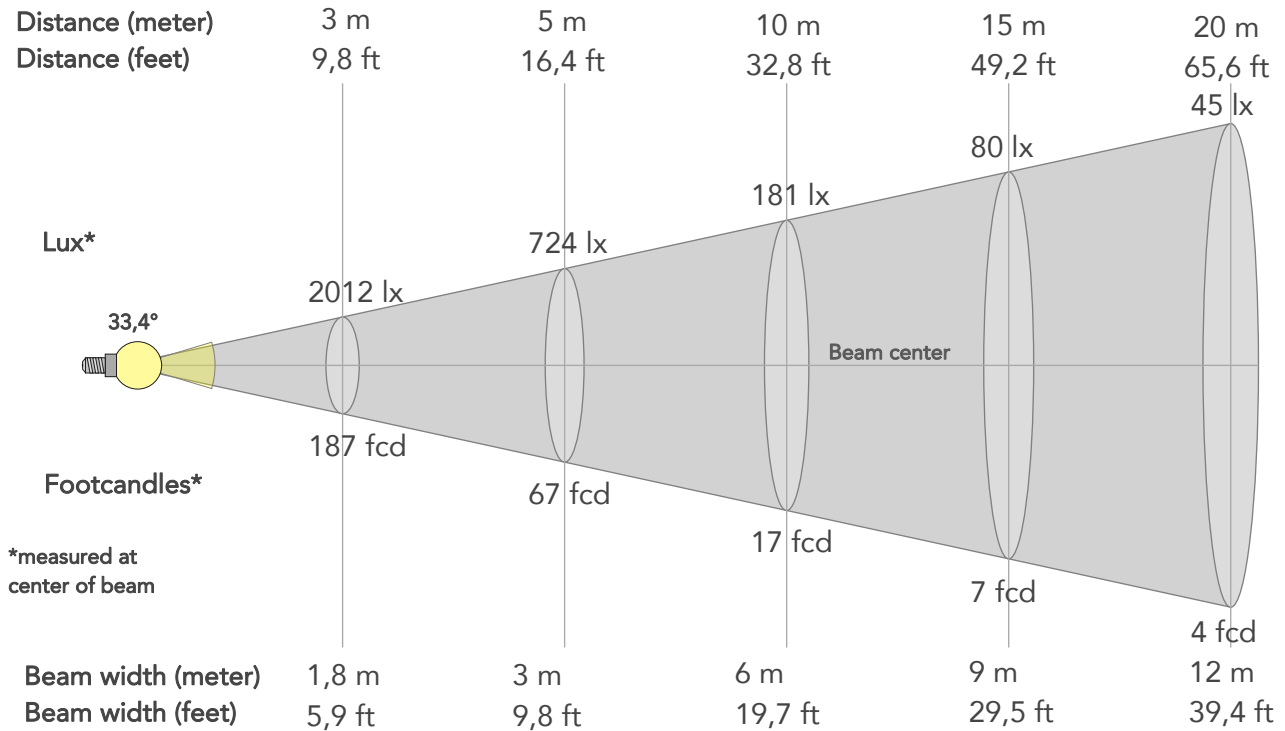
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	97	0%	0%
5	96	2%	2%
6	94	4%	2%
7	94	4%	-1%
8	94	3%	-2%
9	96	1%	-2%
10	97	1%	-1%
11	97	1%	2%
12	94	3%	0%
13	96	2%	-2%
14	95	4%	-2%
15	96	2%	-1%
16	93	3%	-5%



# BEAM DETAILS



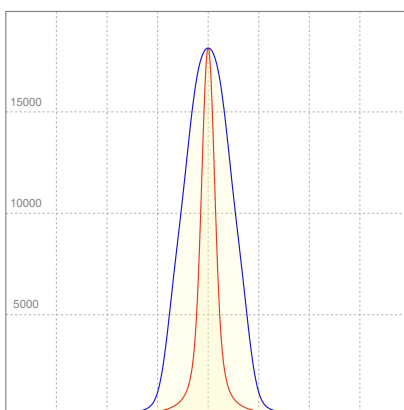
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,4°	58,4°	84,1°	97,5%	92,4%



## 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	18112lx	4528lx	2012lx	1132lx	724lx	322lx	181lx	80lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1683fcd	421fcd	187fcd	105fcd	67fcd	30fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,8ft	14,8ft	19,7ft	29,5ft	39,4ft	49,2ft	59,1ft	78,8ft	98,4ft

## LINEAR DISTRIBUTION DIAGRAM

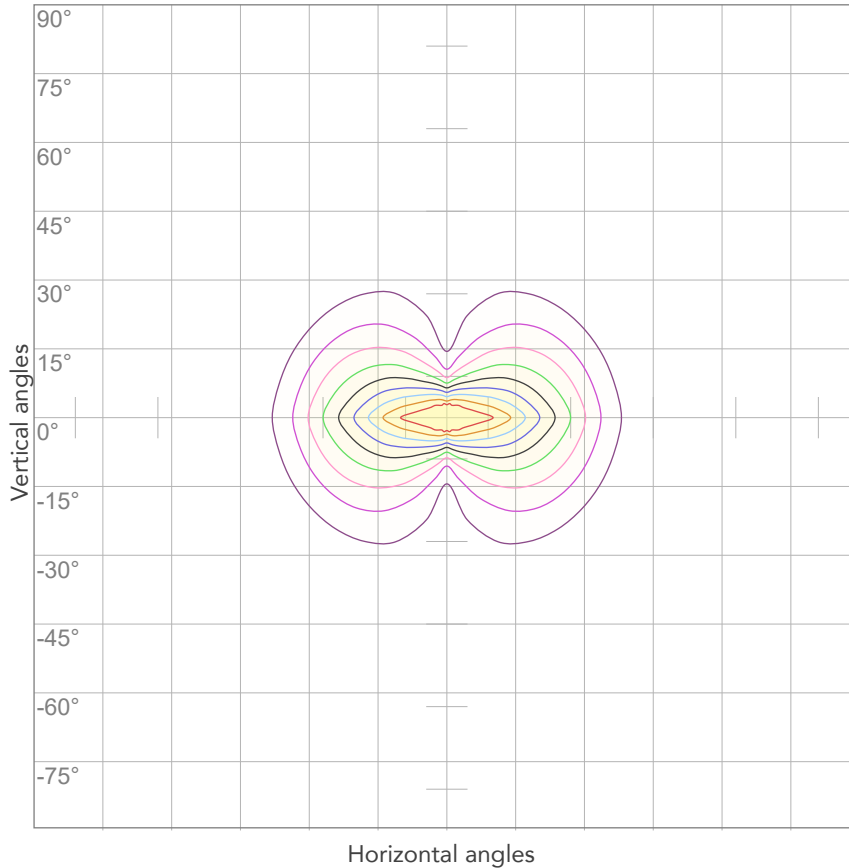


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,578A	126,8W	0,97	68lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



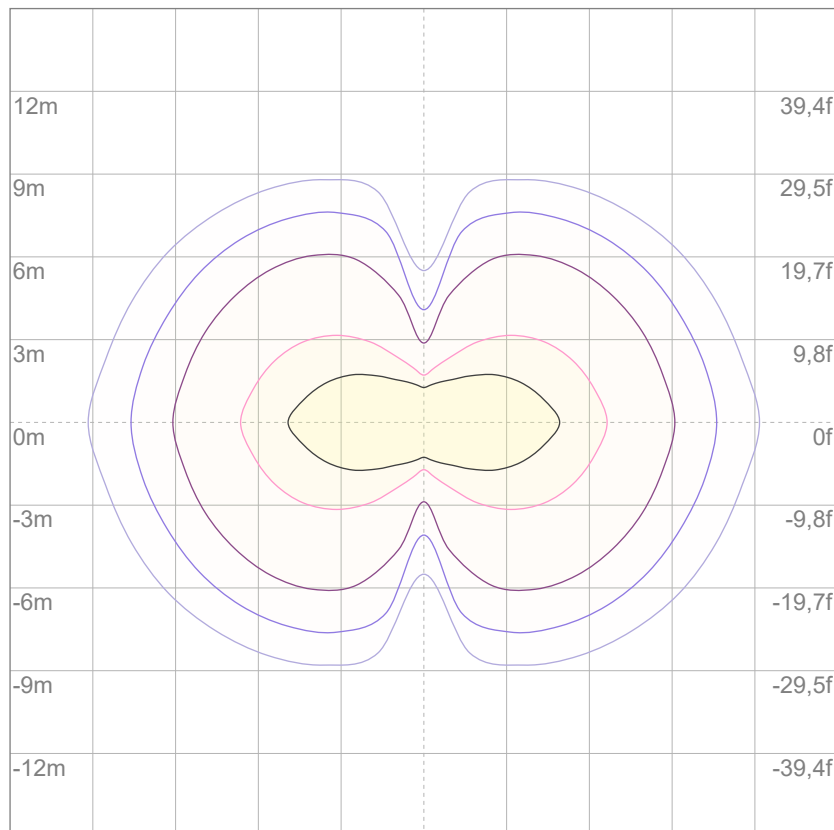
10%	1811 cd
20%	3622 cd
30%	5434 cd
40%	7245 cd
50%	9056 cd
60%	10867 cd
70%	12678 cd
80%	14490 cd

Conditions:

Number of c-planes: 4

Candela at center: 18112 cd

## ISO LUX DIAGRAM



3%	5,43 lx
5%	9,06 lx
10%	18,1 lx
30%	54,3 lx
50%	90,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 181 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:

6415 lm

Peak candela output:

9362 cd

Light quality:

CRI: 96,2

Color temperature:

2706 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 30°x60° Filter**

**Target:**

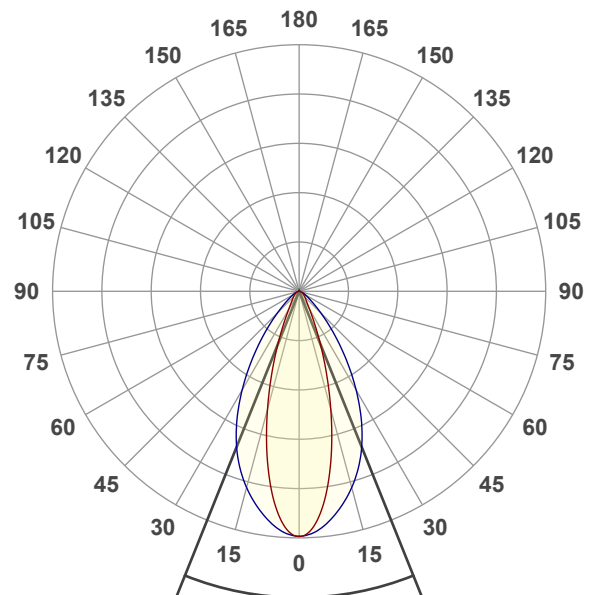
**2700K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 16:52:01**

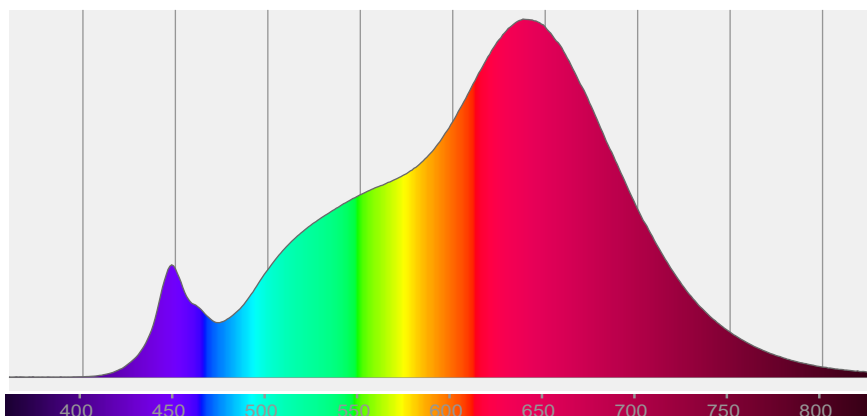


**Beam angle 50%: 43,8°**

**Field angle 10%: 75,8°**

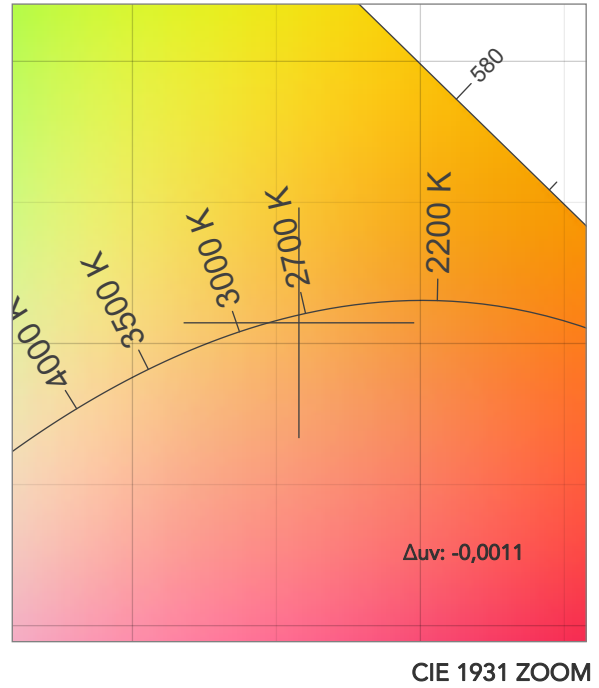
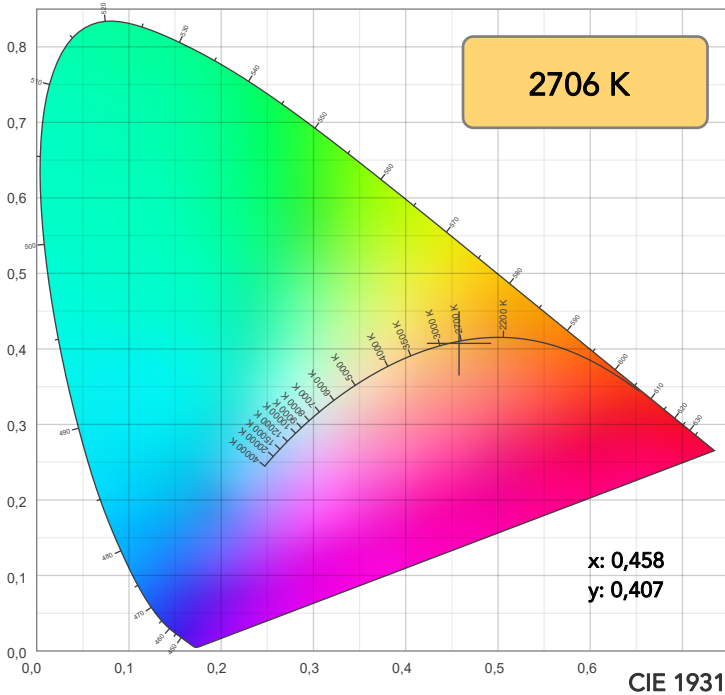
**Cut off angle 2.5%: 113,8°**

**Spectra**

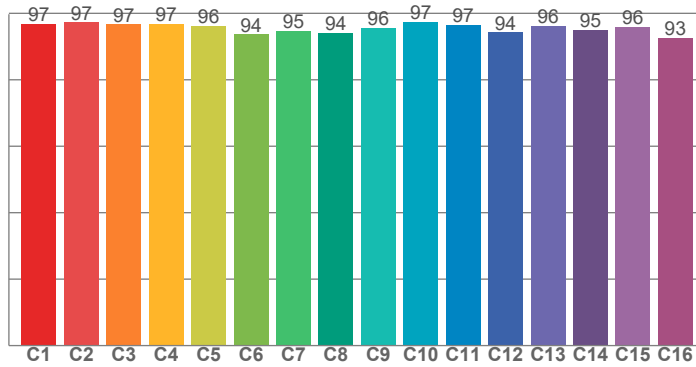




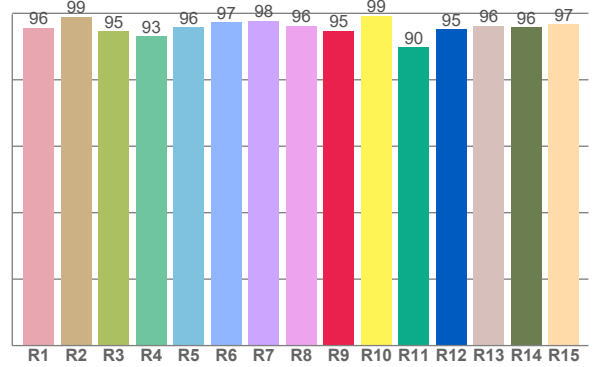
# COLOR DETAILS



TM30: 95,9



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
95,7	99,0	94,6	93,2	95,9	97,3	97,8	96,3	94,7	99,3	89,8	95,2	96,3	95,8	96,6

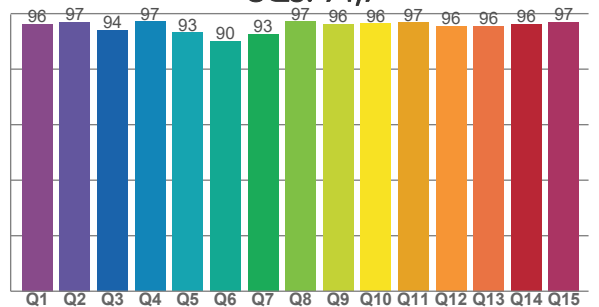
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96,3	97,0	94,2	97,1	93,1	90,2	92,7	97,2	96,2	96,5	96,8	95,6	95,5	96,2	97,1

CQS: 94,7



## COLOR PARAMETERS

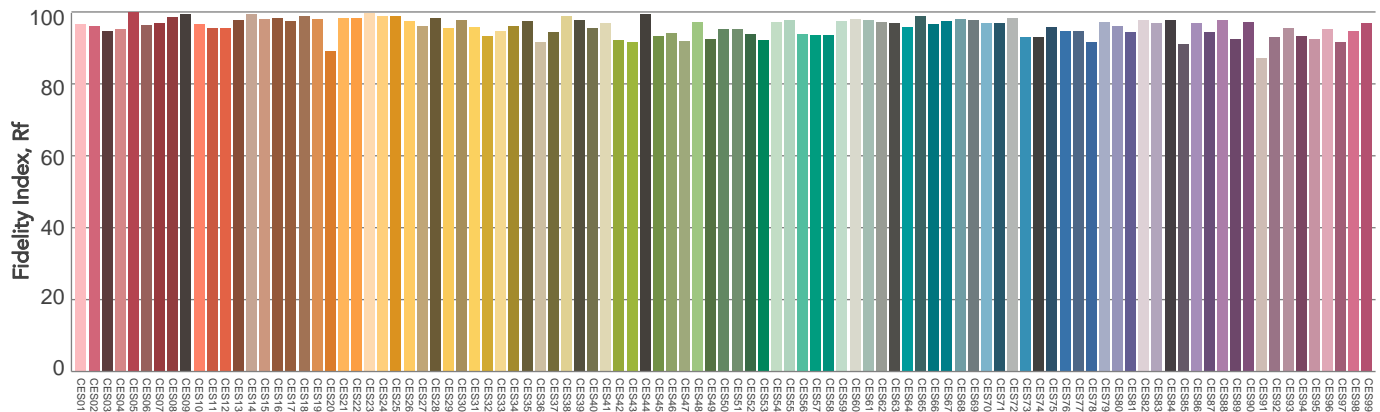
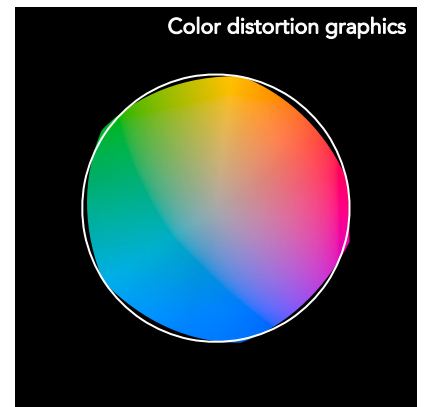
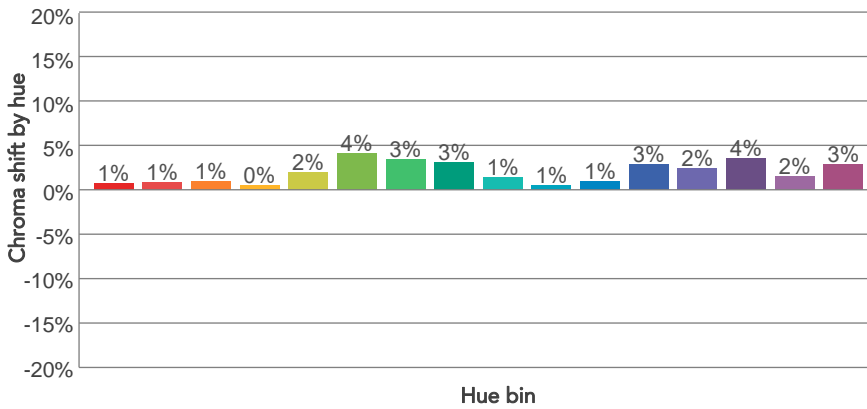
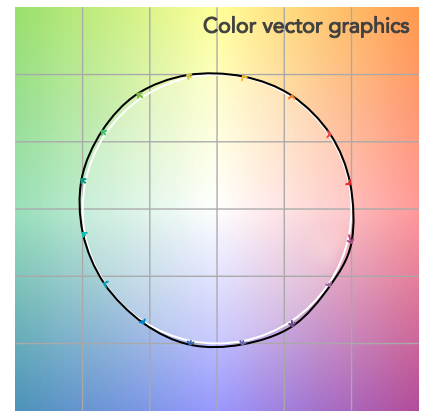
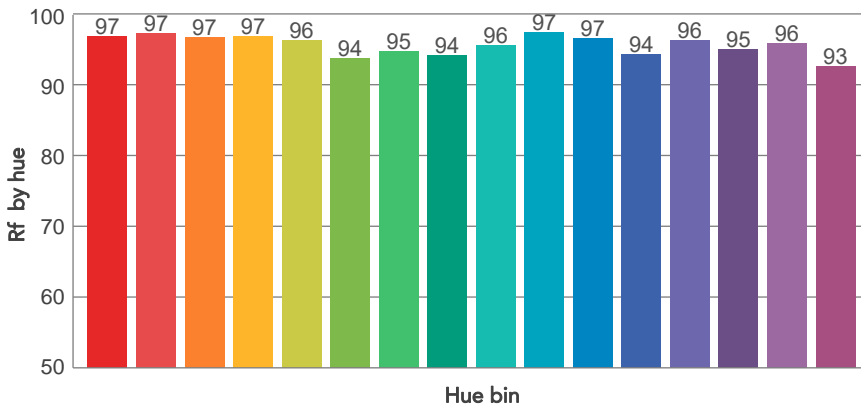
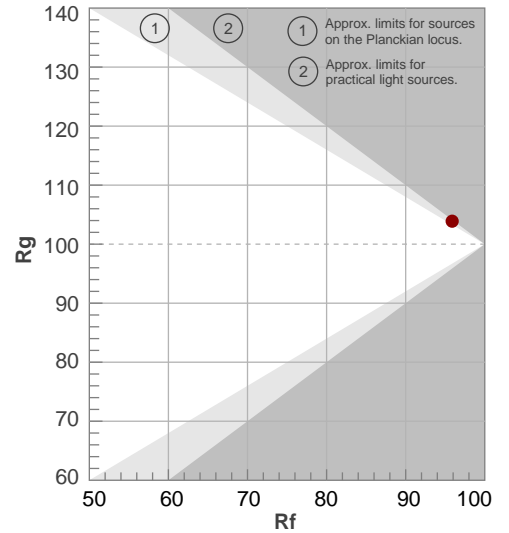
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2706 K	96,2	94,7	95,9	103,9	94,7	97	0,458	0,407	-0,0011

# TM30 DETAILS

**Rf 95,9**  
Fidelity index Rf

**Rg 103,9**  
Gammut index

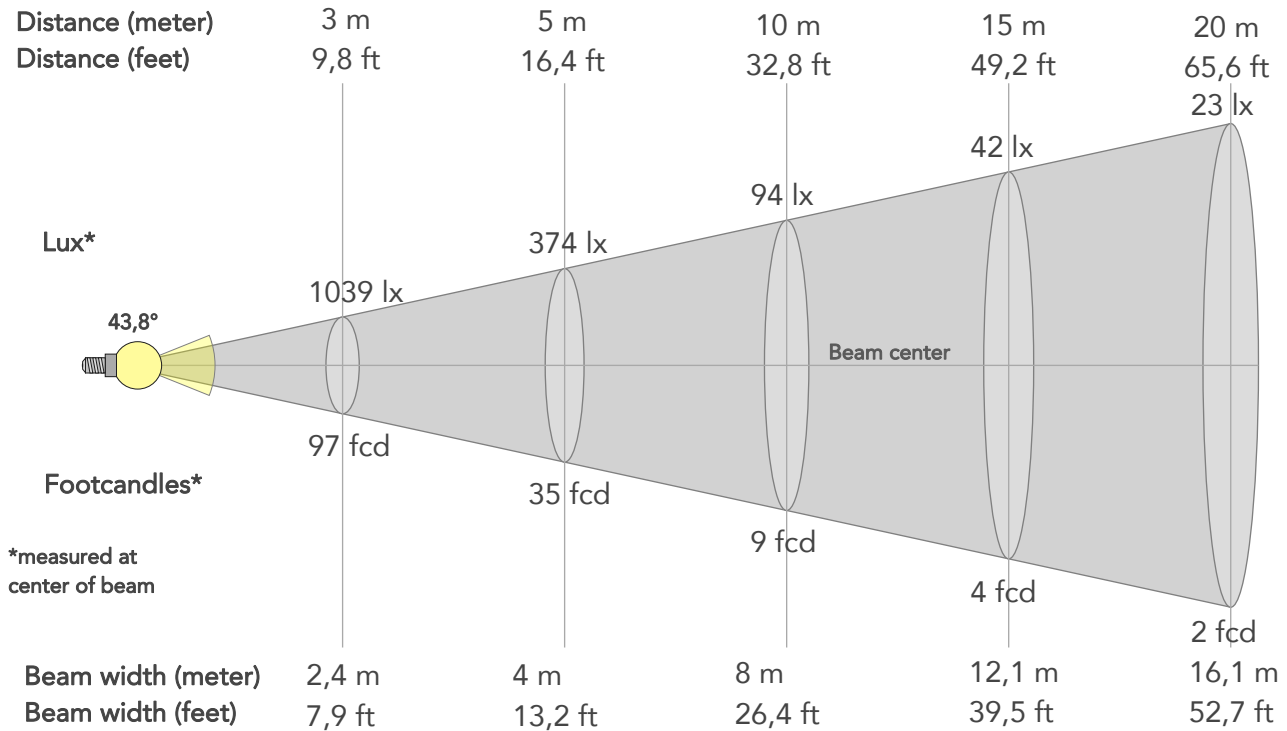
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	1%	-1%
2	97	1%	-1%
3	97	1%	1%
4	97	0%	0%
5	96	2%	2%
6	94	4%	2%
7	95	3%	-1%
8	94	3%	-2%
9	96	1%	-2%
10	97	1%	-1%
11	97	1%	2%
12	94	3%	0%
13	96	2%	-2%
14	95	4%	-2%
15	96	2%	-1%
16	93	3%	-5%



# BEAM DETAILS



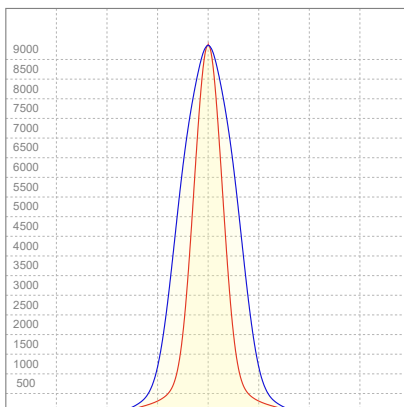
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,8°	113,8°	96,2%	87,9%



## 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	9354lx	2339lx	1039lx	585lx	374lx	166lx	94lx	42lx	23lx	15lx	10lx	6lx	4lx
Footcand.	869fcd	217fcd	97fcd	54fcd	35fcd	15fcd	9fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,2m	4m	6m	8m	12,1m	16,1m	20,1m	24,1m	32,1m	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	105,4ft	131,8ft

## LINEAR DISTRIBUTION DIAGRAM

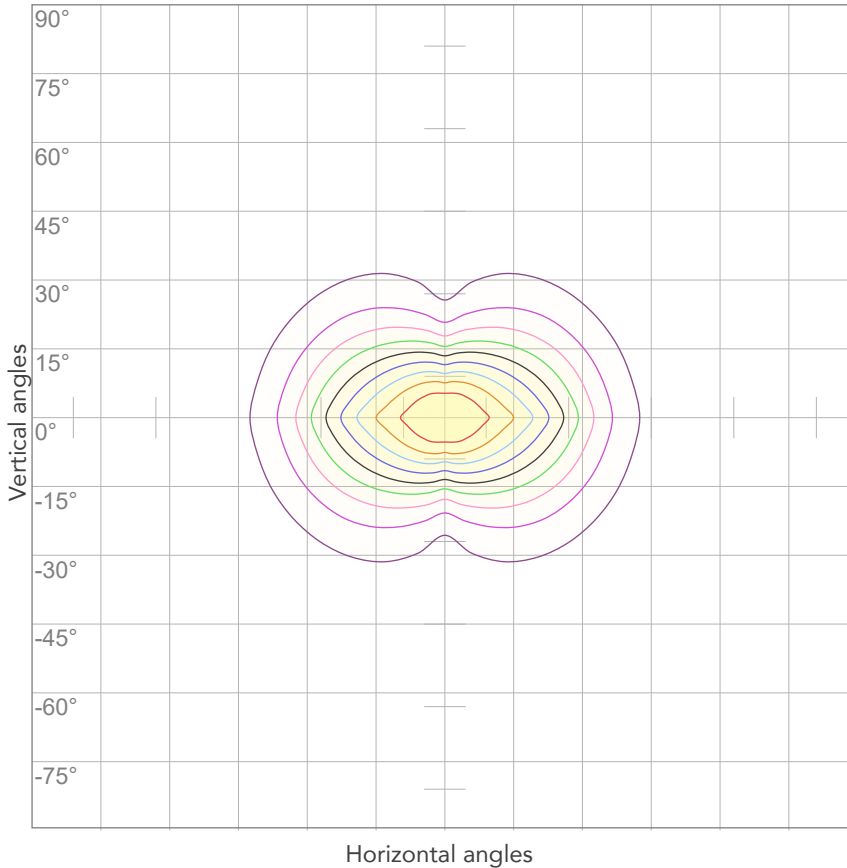


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,578A	127W	0,98	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



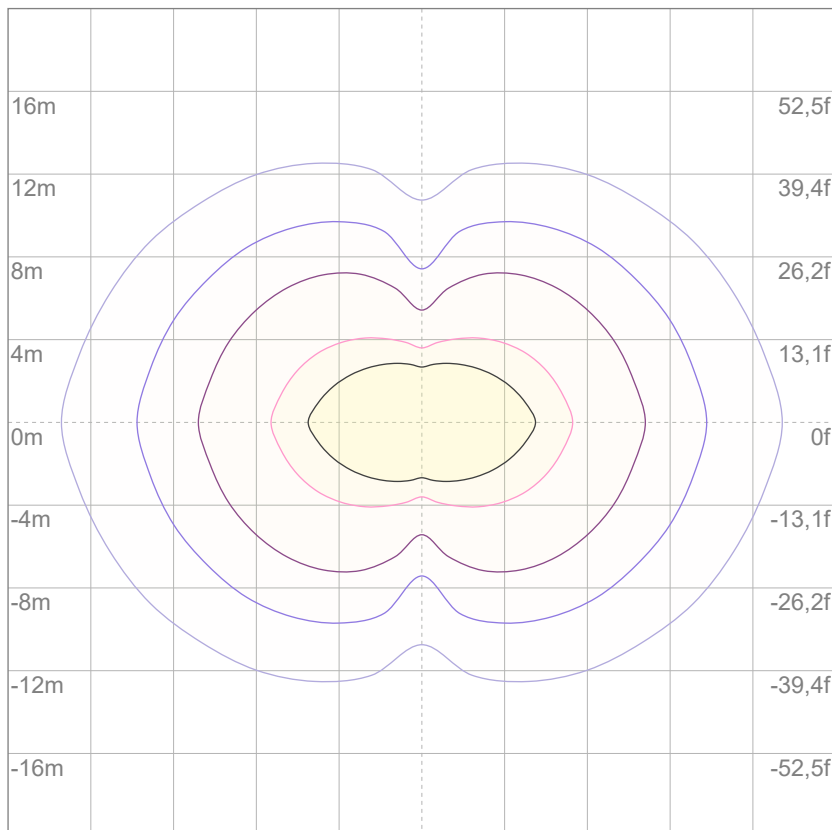
10%	935 cd
20%	1871 cd
30%	2806 cd
40%	3742 cd
50%	4677 cd
60%	5613 cd
70%	6548 cd
80%	7484 cd

Conditions:

Number of c-planes: 4

Candela at center: 9354 cd

## ISO LUX DIAGRAM



3%	2,81 lx
5%	4,68 lx
10%	9,35 lx
30%	28,1 lx
50%	46,8 lx

Conditions:

Number of c-planes: 4

Lux at center: 93,5 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

7160 lm

Peak candela output:

140361 cd

Light quality:

CRI: 94,5

Color temperature:

3254 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10°**

**Target:**

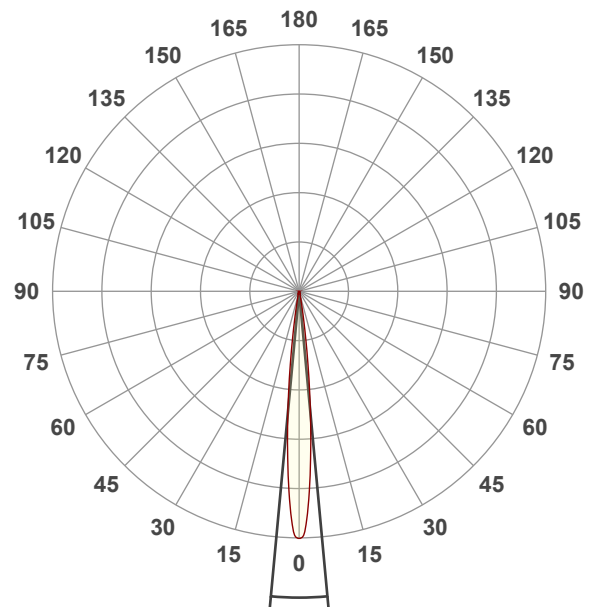
**3200K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:11:44**

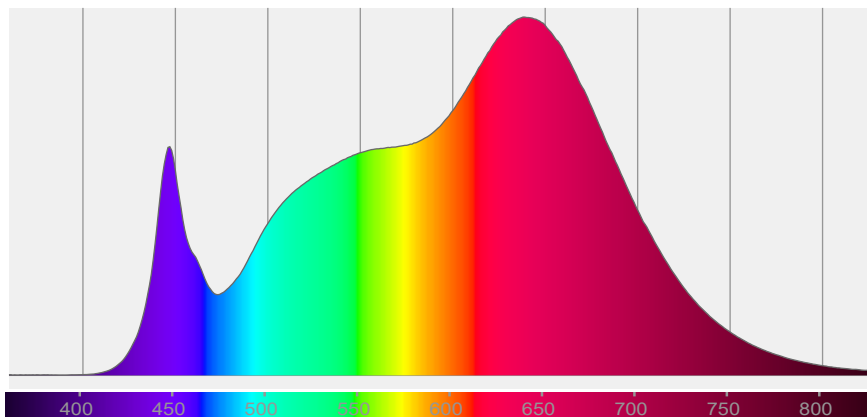


**Beam angle 50%: 10,6°**

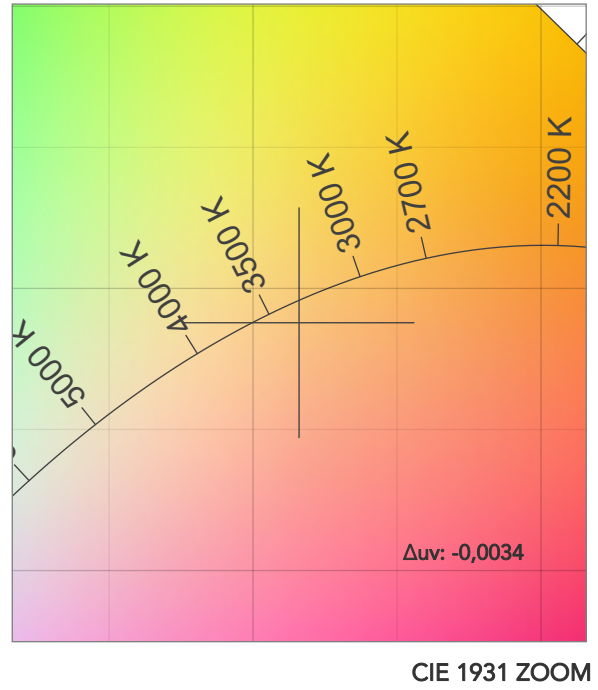
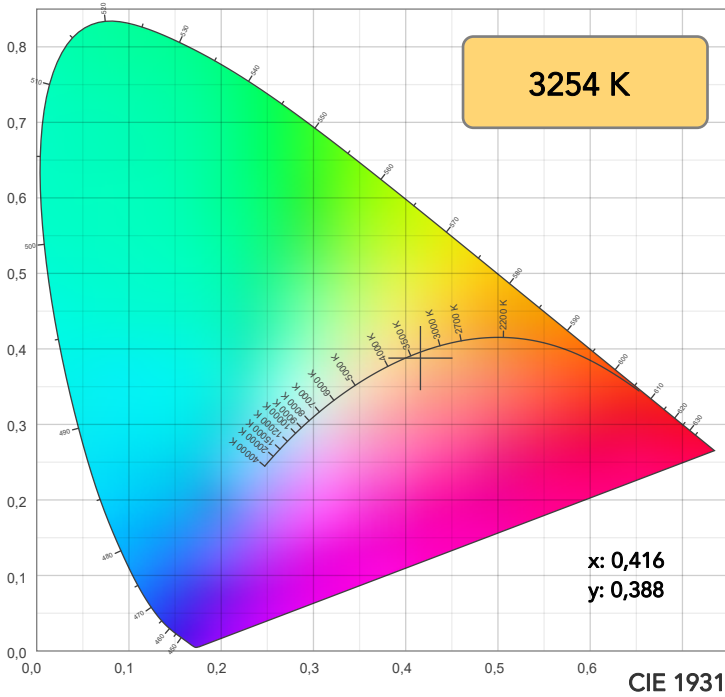
**Field angle 10%: 18,9°**

**Cut off angle 2.5%: 25,9°**

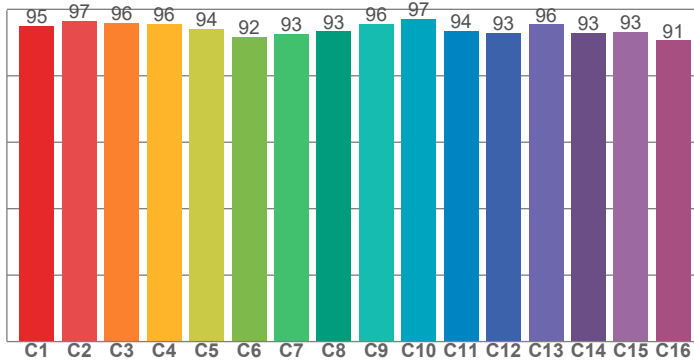
**Spectra**



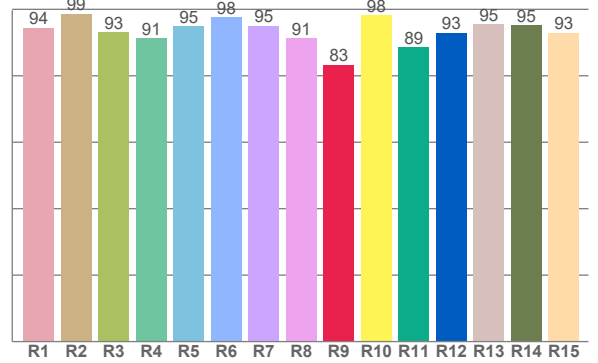
# COLOR DETAILS



**TM30: 94,4**



**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
94,4	98,7	93,0	91,2	95,0	97,6	95,1	91,2	83,3	98,3	88,6	92,9	95,5	95,2	93,0

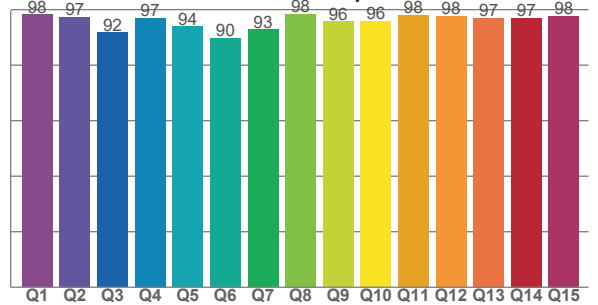
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,1	96,6	96,0	95,6	94,2	91,8	92,6	93,3	95,6	97,2	93,6	92,9	95,5	92,9	93,3	90,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,3	97,3	91,7	96,9	93,9	89,7	92,8	98,5	95,6	95,9	98,0	97,8	96,9	97,0	97,7

**CQS: 94,9**



## COLOR PARAMETERS

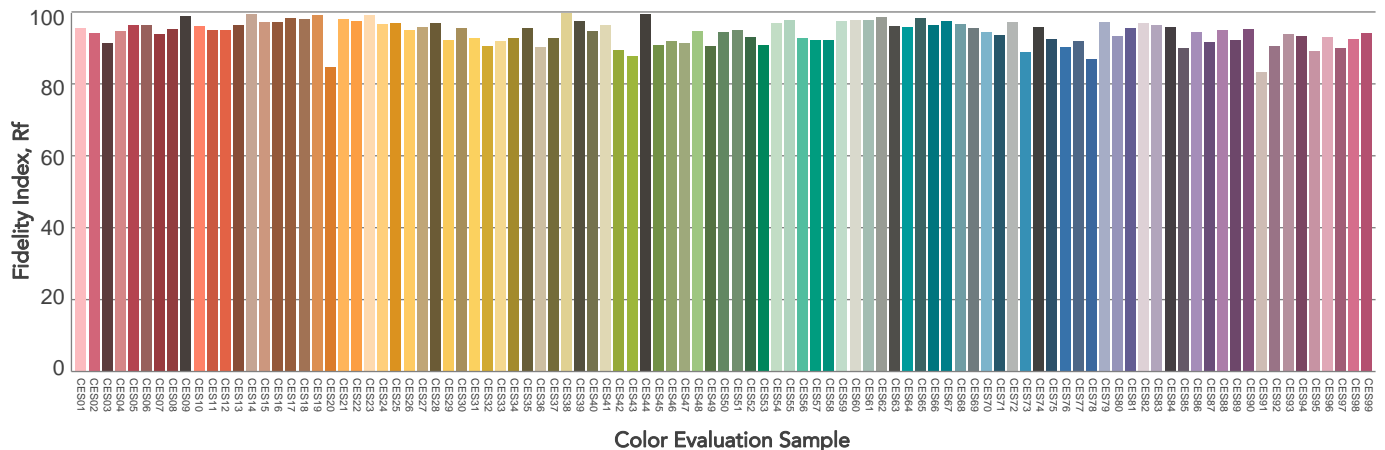
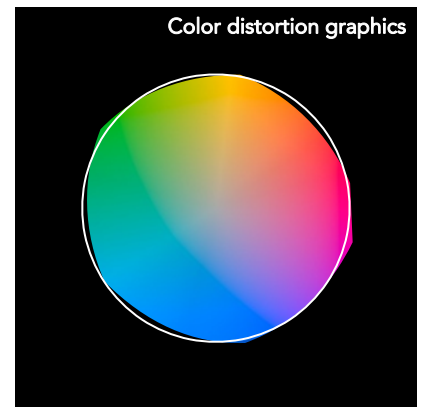
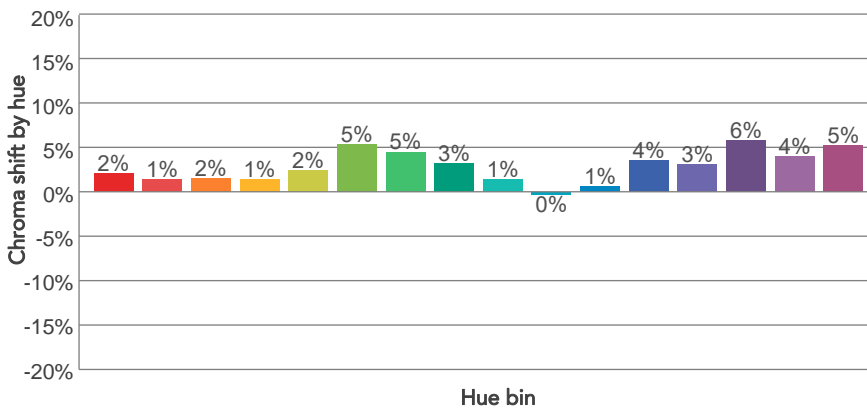
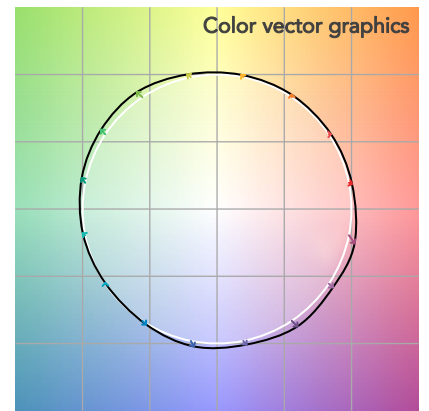
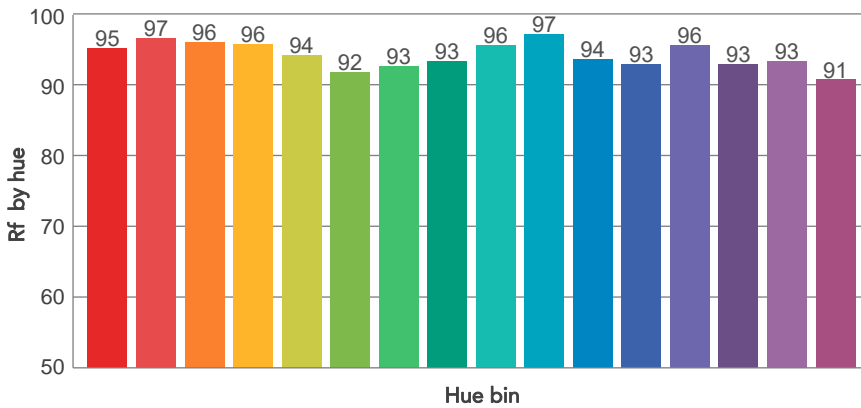
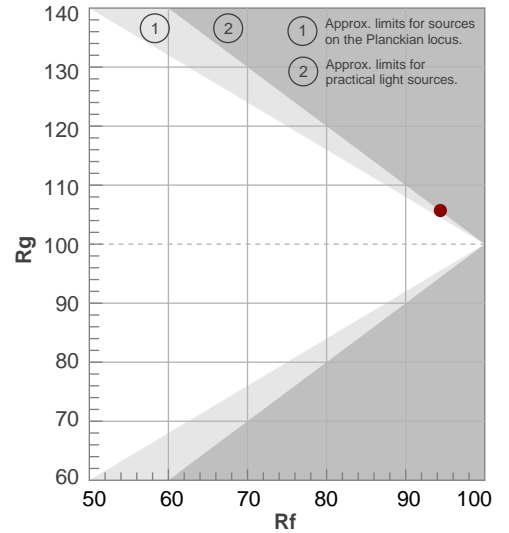
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3254 K	94,5	83,3	94,4	105,7	94,9	97	0,416	0,388	-0,0034

# TM30 DETAILS

**Rf 94,4**  
Fidelity index Rf

**Rg 105,7**  
Gammut index

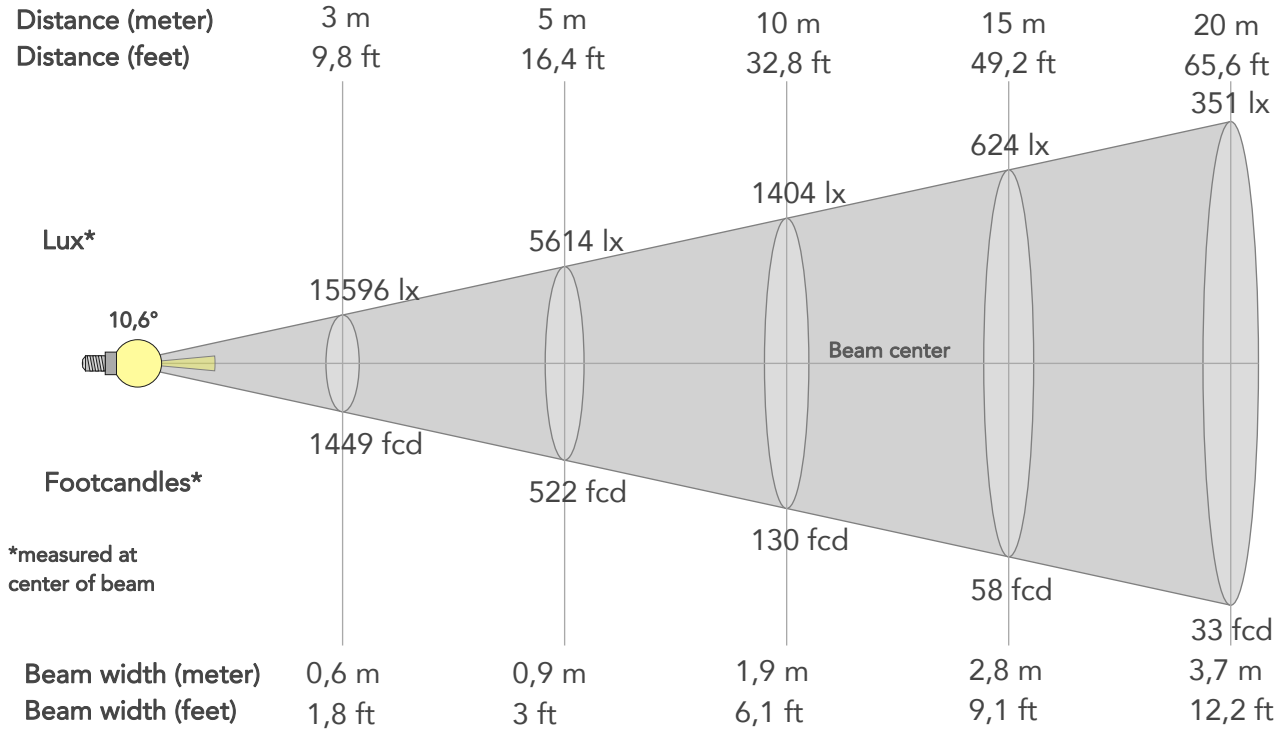
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	96	2%	1%
4	96	1%	2%
5	94	2%	2%
6	92	5%	1%
7	93	5%	-1%
8	93	3%	-3%
9	96	1%	-2%
10	97	0%	-1%
11	94	1%	4%
12	93	4%	3%
13	96	3%	2%
14	93	6%	1%
15	93	4%	0%
16	91	5%	-5%



# BEAM DETAILS



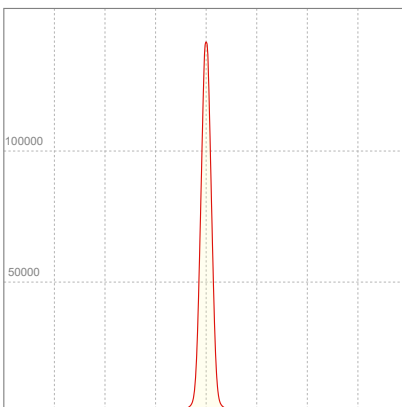
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,6°	18,9°	25,9°	96,6%	93,1%



## 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	140361lx	35090lx	15596lx	8773lx	5614lx	2495lx	1404lx	624lx	351lx	225lx	156lx	88lx	56lx
Footcand.	13040fcd	3260fcd	1449fcd	815fcd	522fcd	232fcd	130fcd	58fcd	33fcd	21fcd	14fcd	8fcd	5fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,9m	2,8m	3,7m	4,6m	5,6m	7,4m	9,3m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,6ft	6,1ft	9,1ft	12,2ft	15,2ft	18,2ft	24,3ft	30,4ft

## LINEAR DISTRIBUTION DIAGRAM



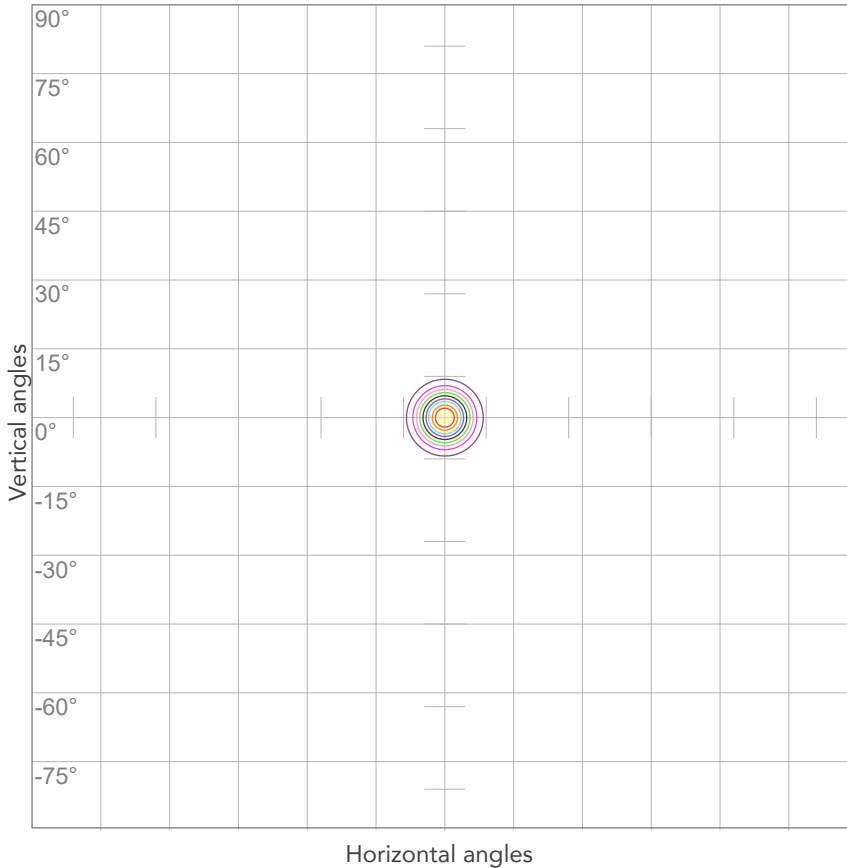
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,588A	129,5W	0,97	55lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



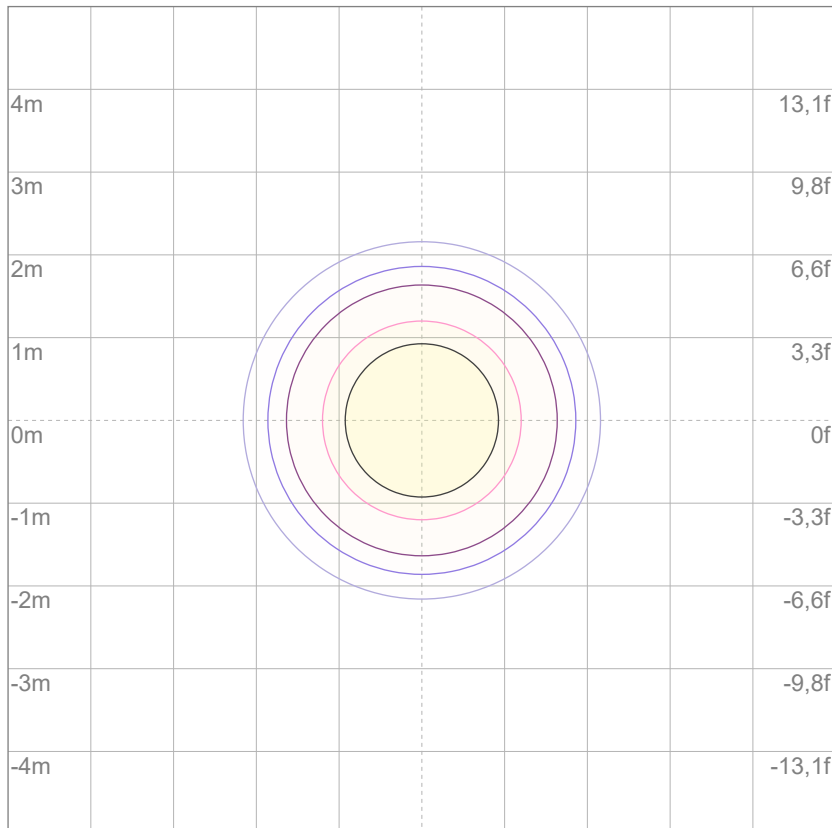
10%	14036 cd
20%	28072 cd
30%	42108 cd
40%	56144 cd
50%	70180 cd
60%	84217 cd
70%	98253 cd
80%	112289 cd

Conditions:

Number of c-planes: 2

Candela at center: 140361 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	42,1 lx
5%	70,2 lx
10%	140 lx
30%	421 lx
50%	702 lx

Conditions:

Number of c-planes: 2

Lux at center: 1404 lx

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



Total lumen output:

6550 lm

Peak candela output:

25697 cd

Light quality:

CRI: 94,4

Color temperature:

3234 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 20° Filter**

**Target:**

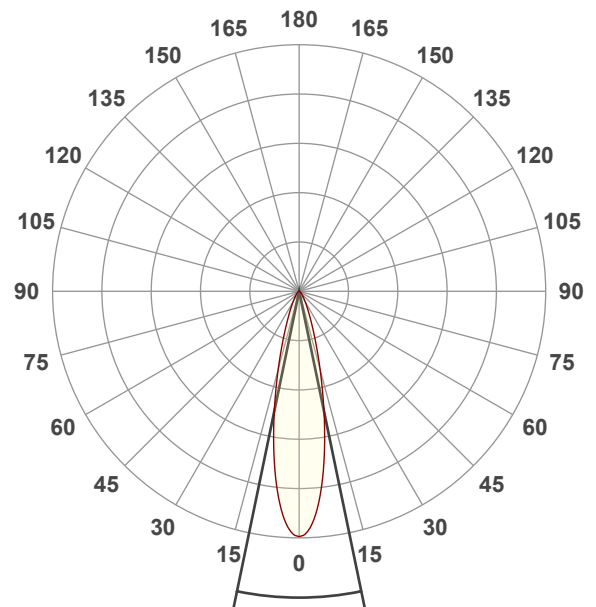
**3200K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:36:10**

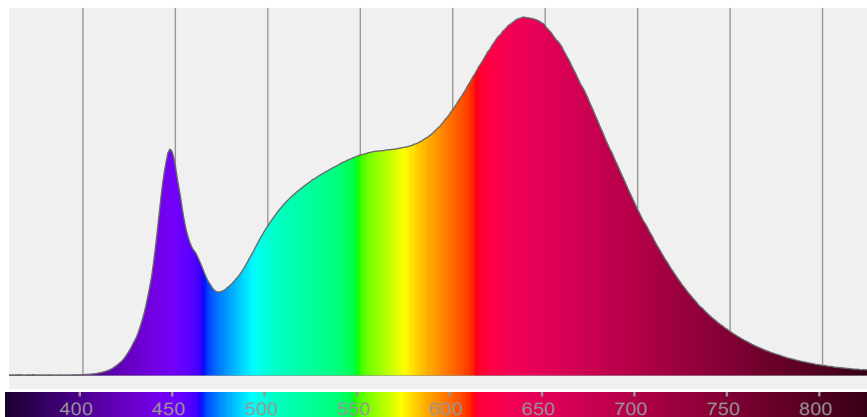


**Beam angle 50%: 23,4°**

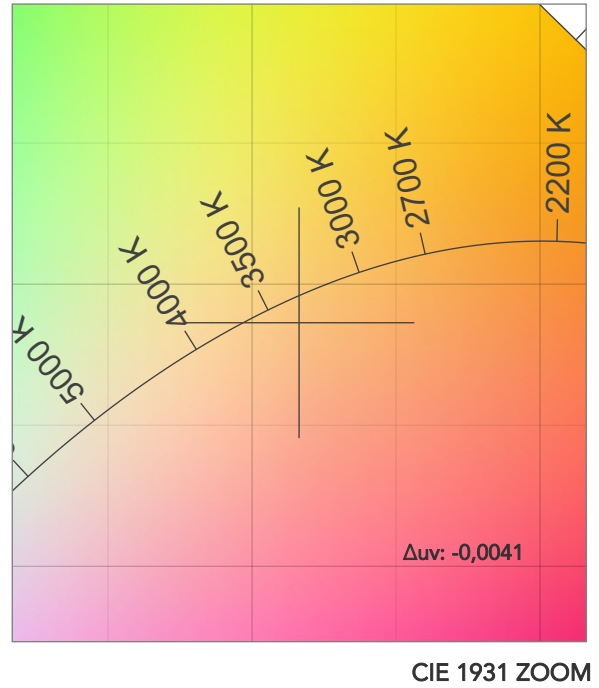
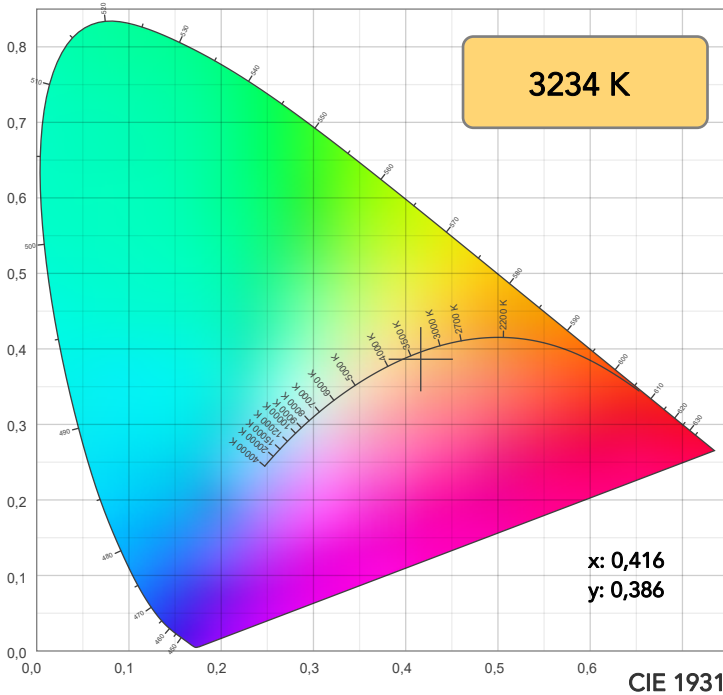
**Field angle 10%: 47,7°**

**Cut off angle 2.5%: 74°**

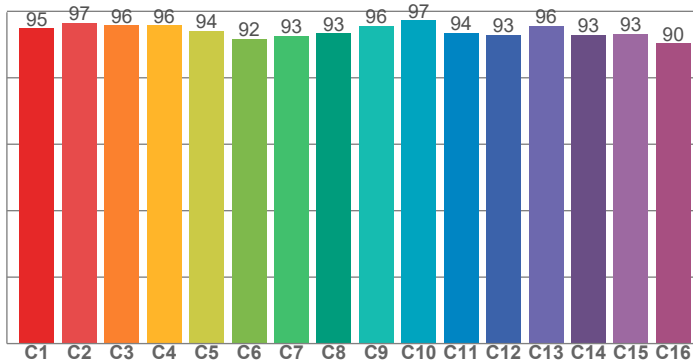
**Spectra**



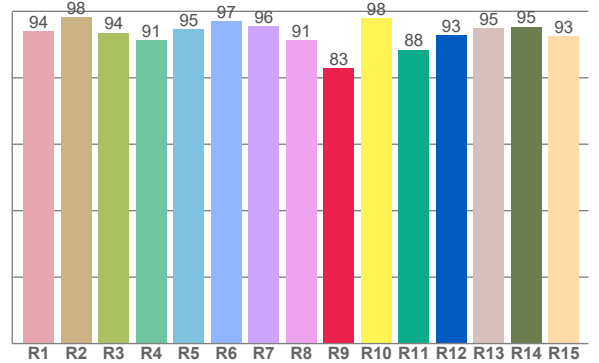
# COLOR DETAILS



**TM30: 94,4**



**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
94,0	98,2	93,5	91,2	94,5	97,0	95,5	91,3	82,9	97,8	88,5	92,8	94,9	95,4	92,5

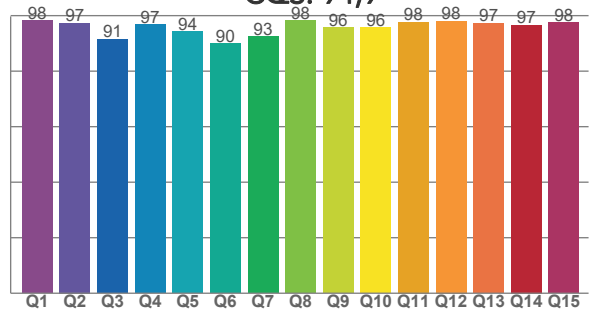
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	96,5	95,8	95,7	94,2	91,8	92,6	93,3	95,6	97,2	93,6	92,9	95,6	93,0	93,3	90,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,3	91,5	96,7	94,2	89,9	92,5	98,2	95,7	95,8	97,8	98,0	97,3	96,7	97,6

**CQS: 94,9**



## COLOR PARAMETERS

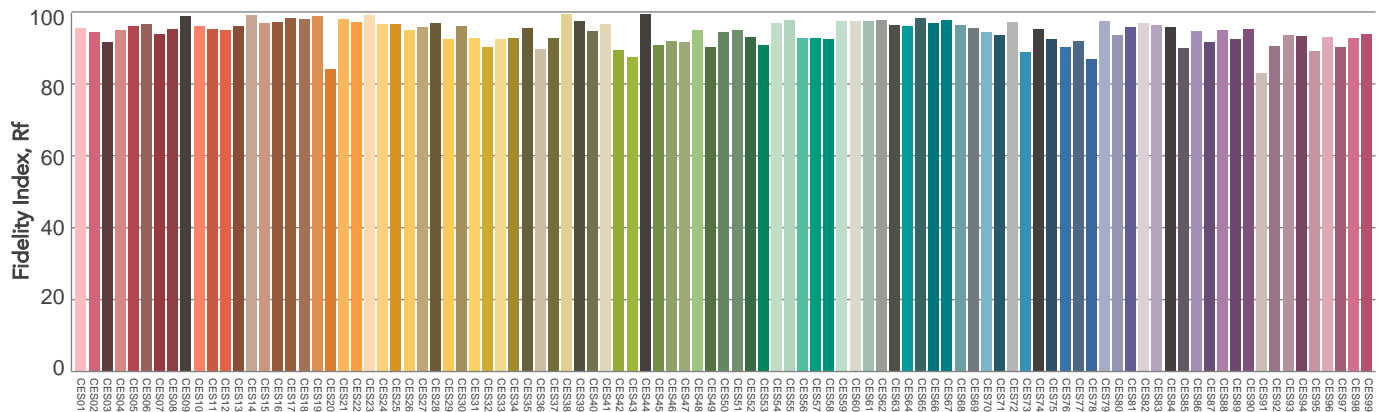
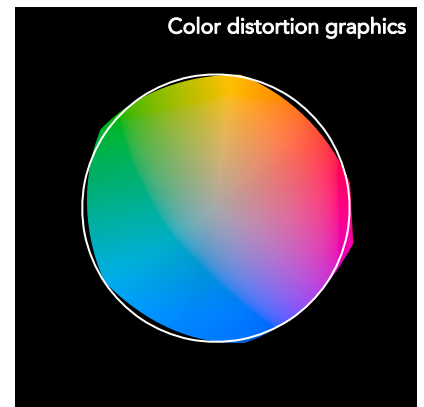
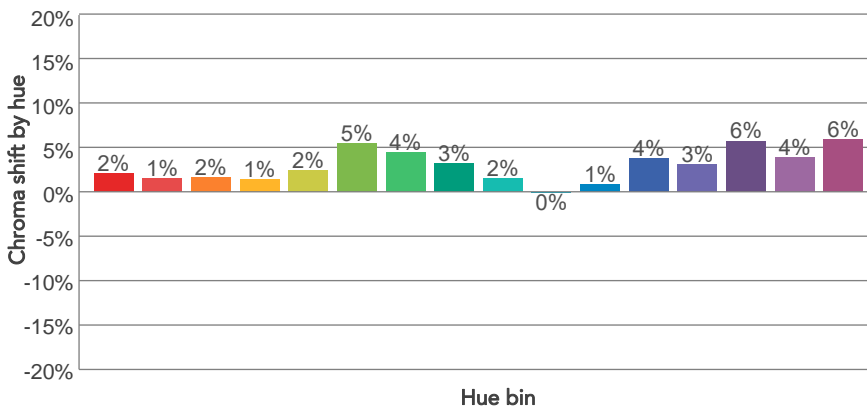
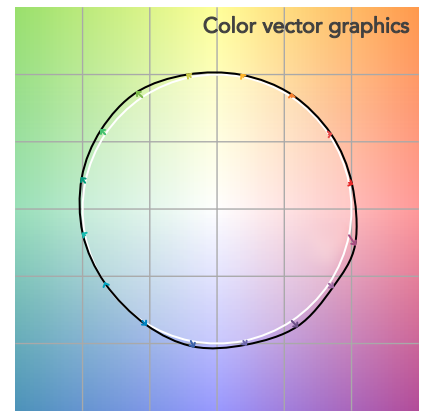
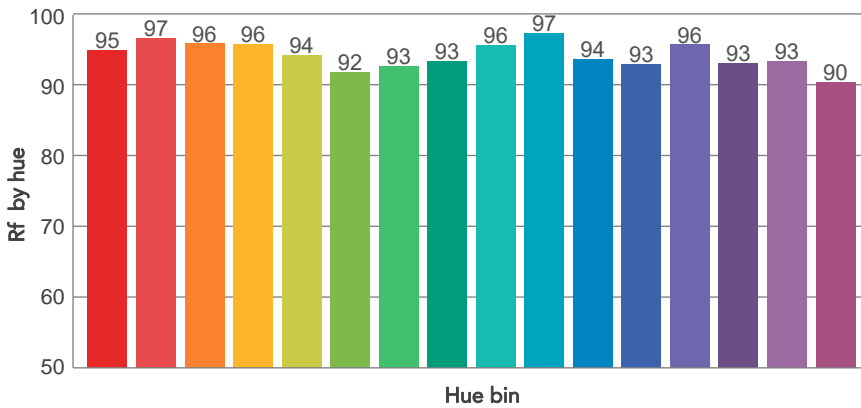
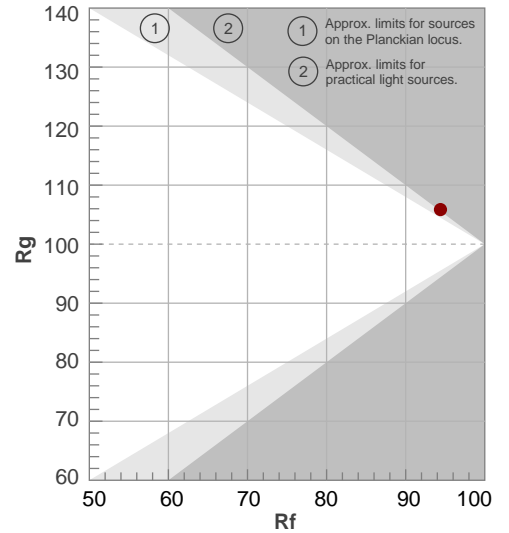
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3234 K	94,4	82,9	94,4	105,9	94,9	97	0,416	0,386	-0,0041

# TM30 DETAILS

**Rf 94,4**  
Fidelity index Rf

**Rg 105,9**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	96	2%	1%
4	96	1%	2%
5	94	2%	2%
6	92	5%	1%
7	93	4%	-1%
8	93	3%	-3%
9	96	2%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	96	3%	1%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%

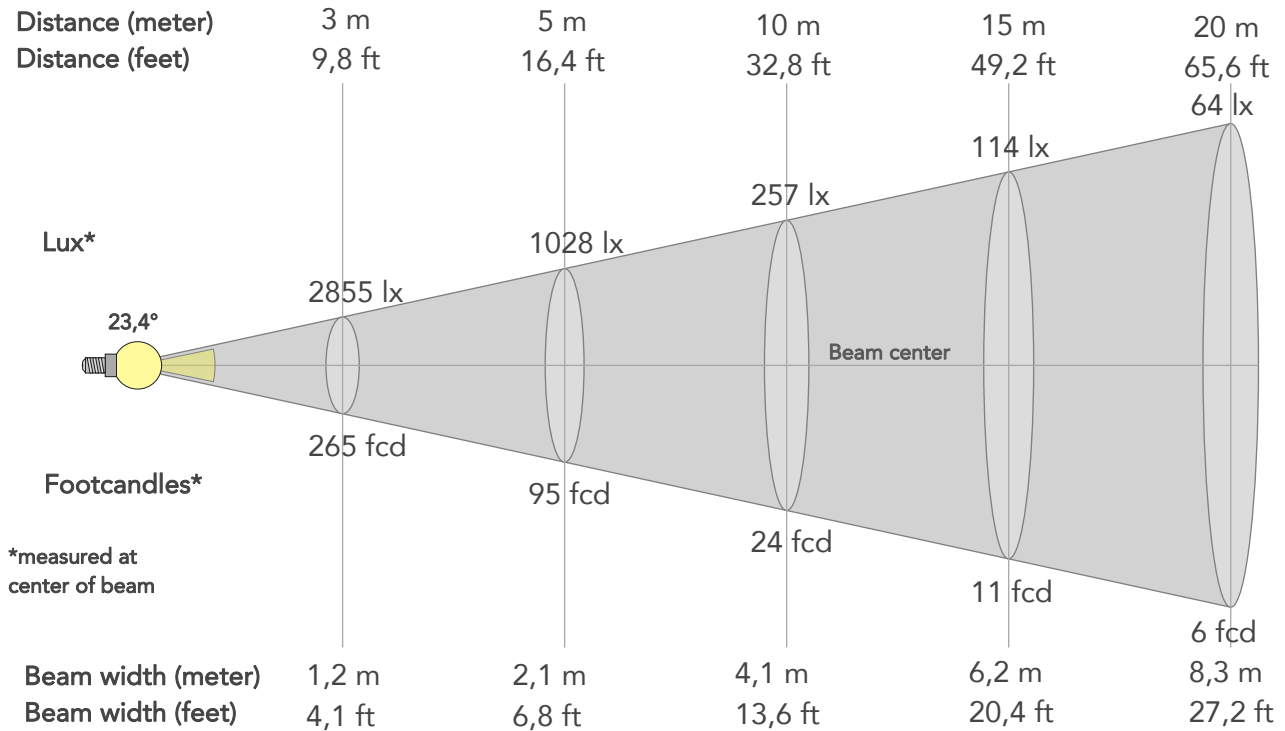


Color Evaluation Sample

# BEAM DETAILS



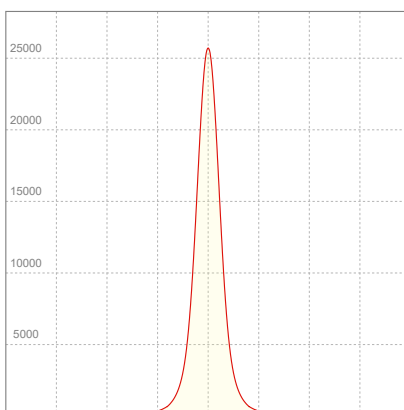
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,7°	74°	96,7%	91,9%



## 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	25697lx	6424lx	2855lx	1606lx	1028lx	457lx	257lx	114lx	64lx	41lx	29lx	16lx	10lx
Footcand.	2387fcd	597fcd	265fcd	149fcd	95fcd	42fcd	24fcd	11fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

## LINEAR DISTRIBUTION DIAGRAM

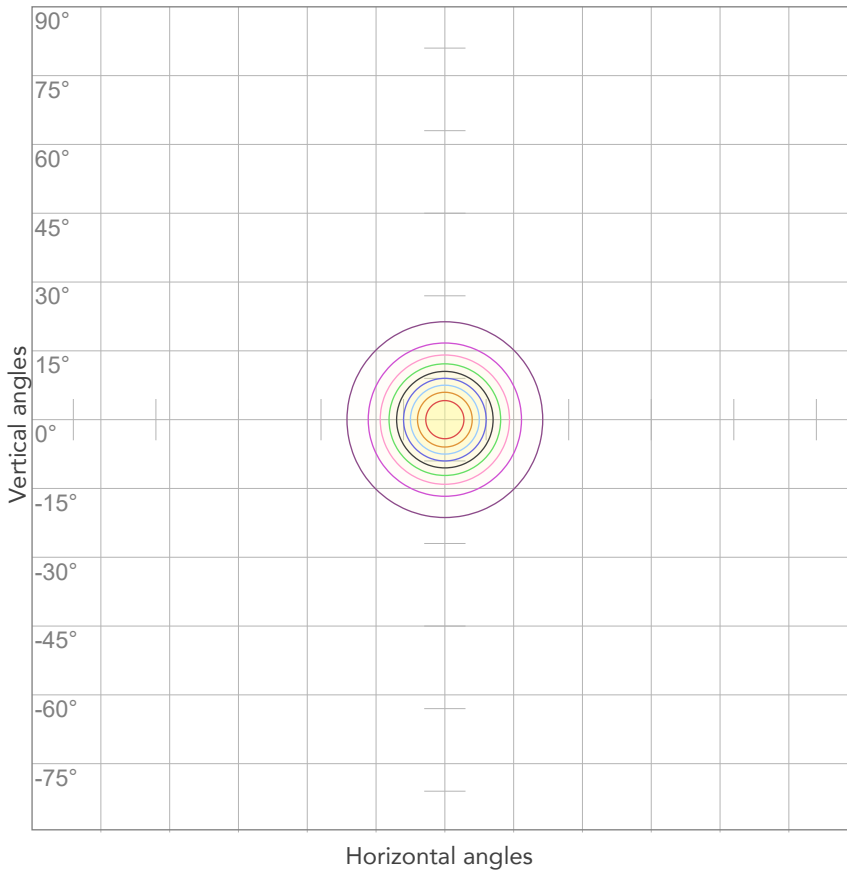


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,579A	127,5W	0,97	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



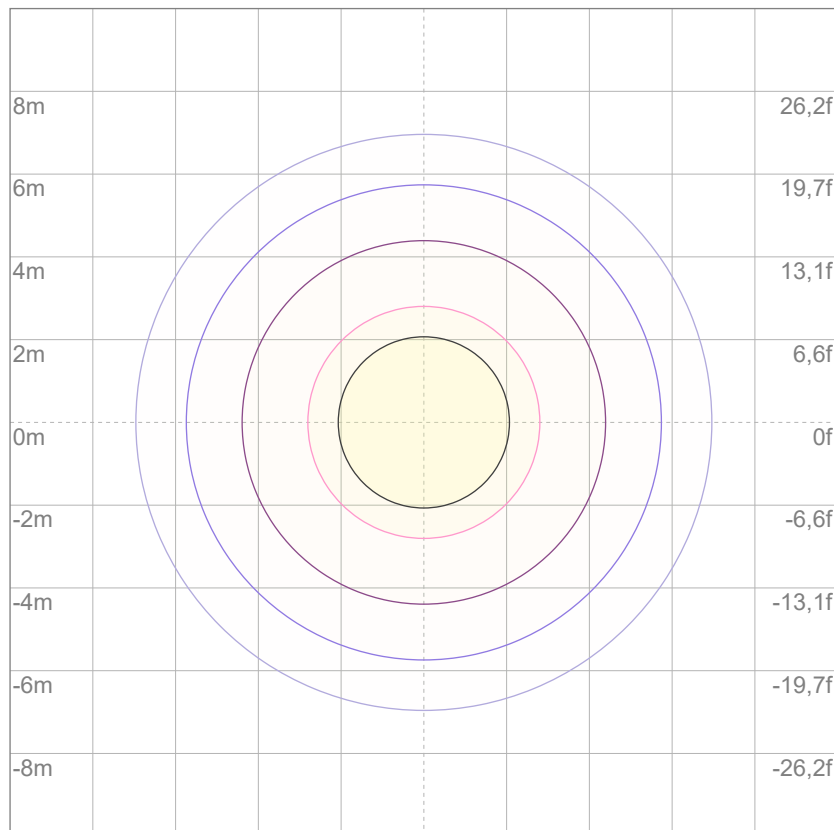
10%	2570 cd
20%	5139 cd
30%	7709 cd
40%	10279 cd
50%	12849 cd
60%	15418 cd
70%	17988 cd
80%	20558 cd

Conditions:

Number of c-planes: 2

Candela at center: 25697 cd

## ISO LUX DIAGRAM



3%	7,71 lx
5%	12,8 lx
10%	25,7 lx
30%	77,1 lx
50%	128 lx

Conditions:

Number of c-planes: 2

Lux at center: 257 lx

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



Total lumen output:

6405 lm

Peak candela output:

8095 cd

Light quality:

CRI: 94,3

Color temperature:

3257 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

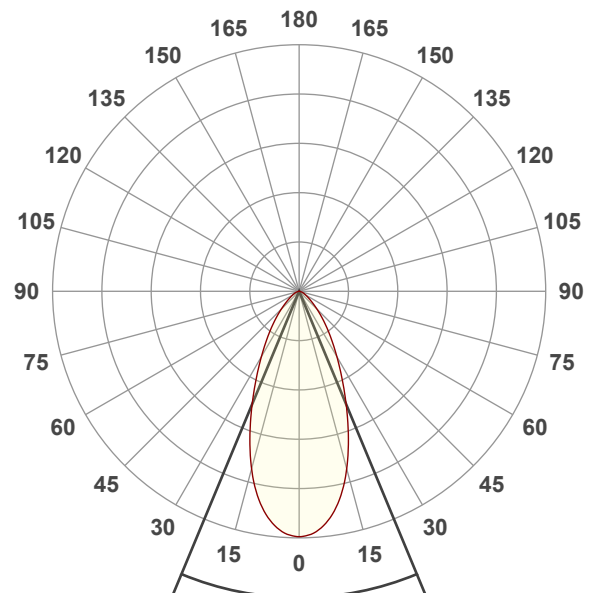
3200K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:54:40

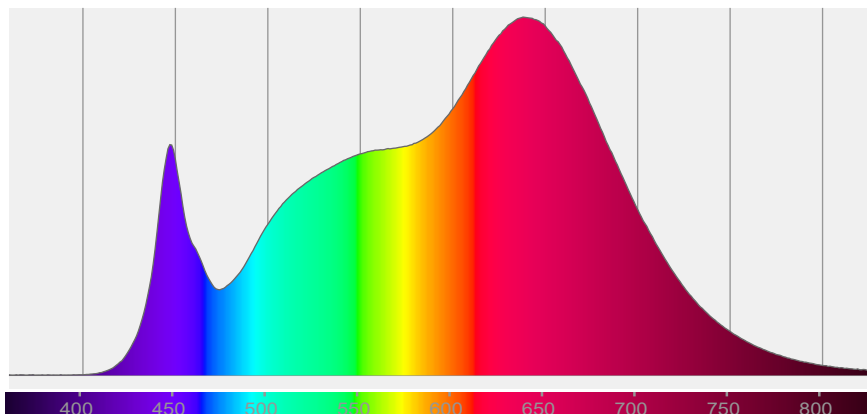


Beam angle 50%: 45,2°

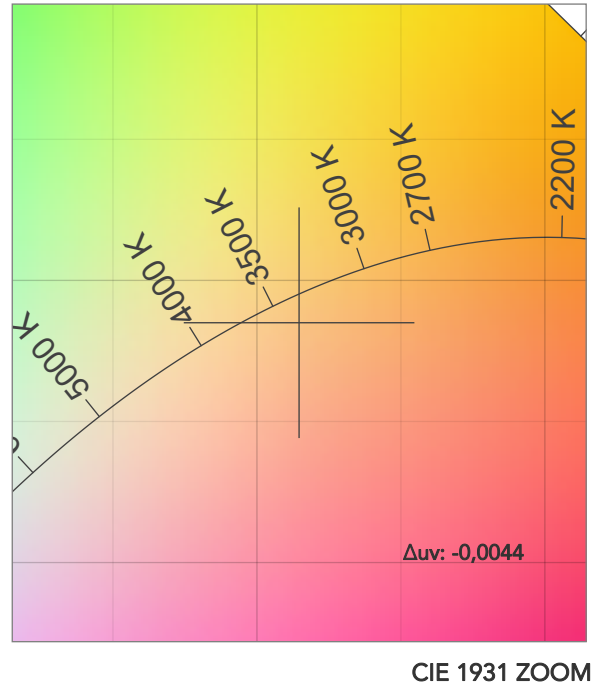
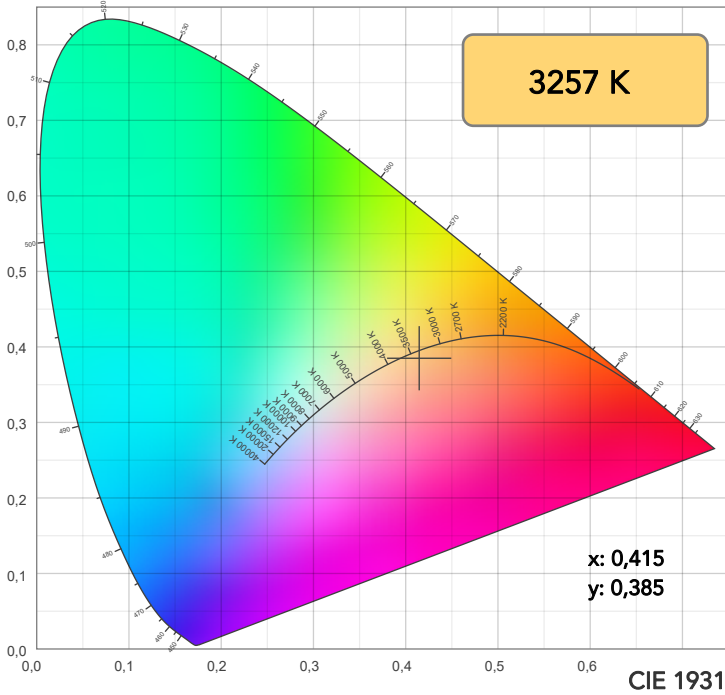
Field angle 10%: 90,8°

Cut off angle 2.5%: 127,1°

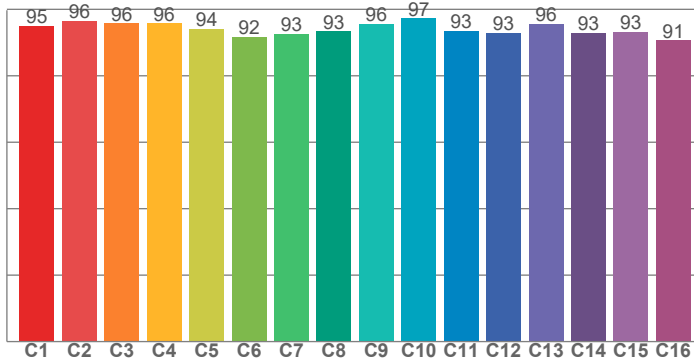
Spectra



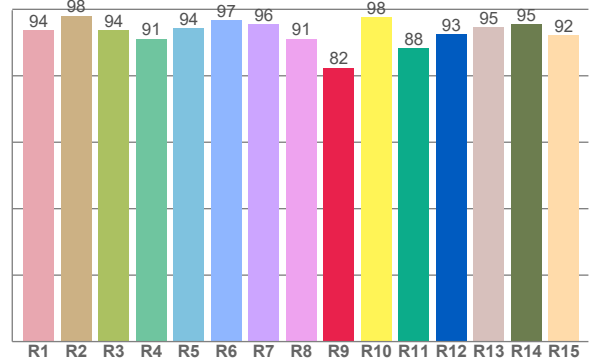
# COLOR DETAILS



**TM30: 94,4**



**CRI: 94,3 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	98,0	93,6	91,2	94,4	96,8	95,6	91,2	82,4	97,6	88,4	92,6	94,7	95,4	92,2

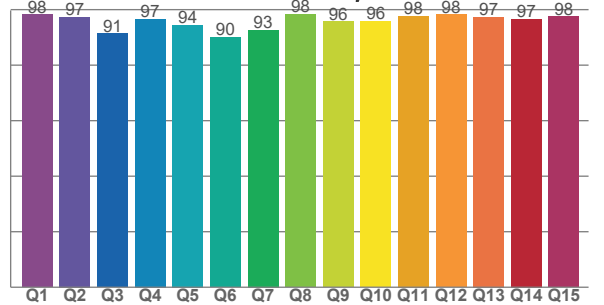
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,3	91,4	96,7	94,4	90,1	92,6	98,3	95,7	95,8	97,8	98,2	97,4	96,6	97,6

**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
3257 K	94,3	82,4	94,4	105,8	95,0	97	0,415	0,385	-0,0044

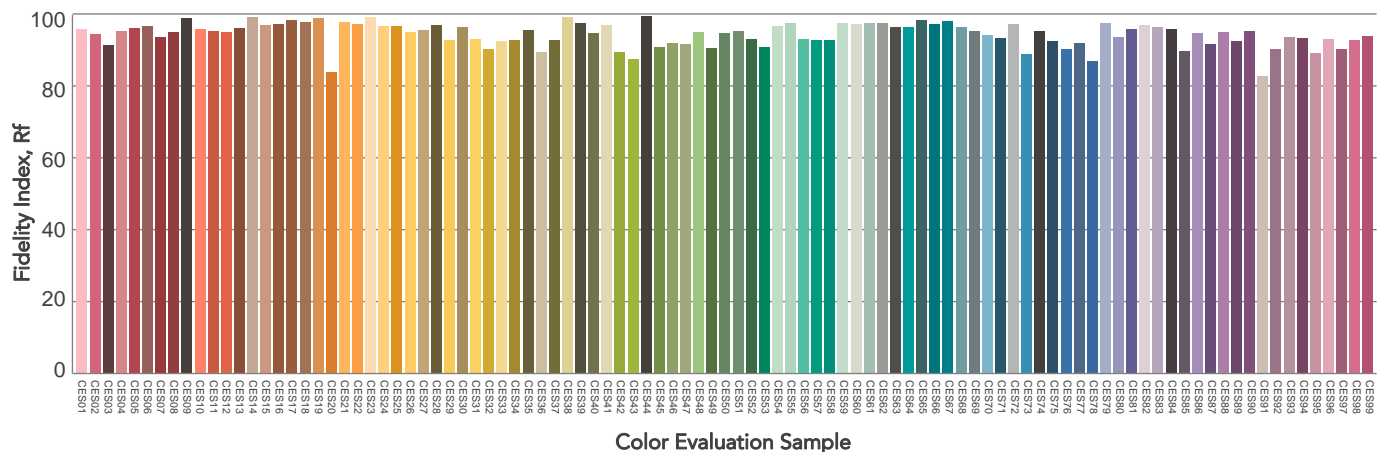
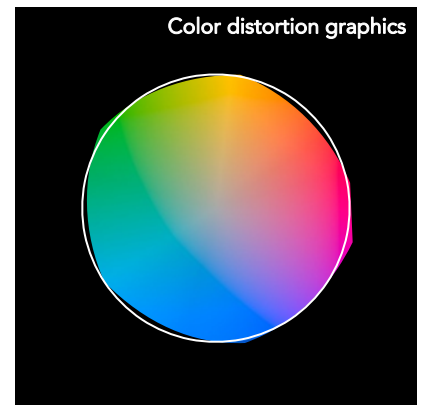
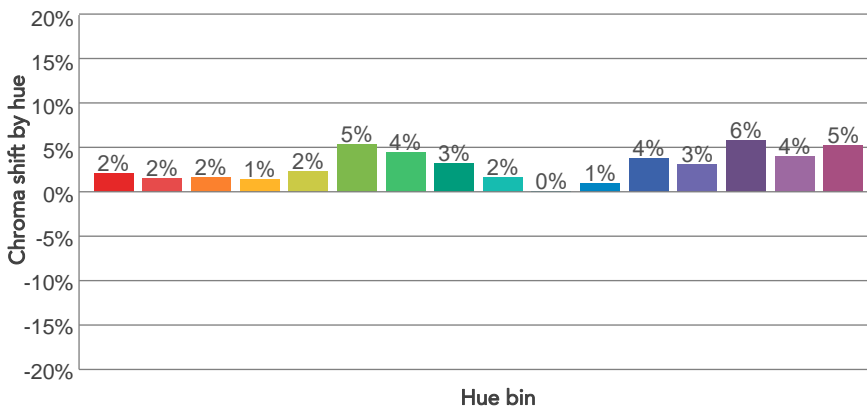
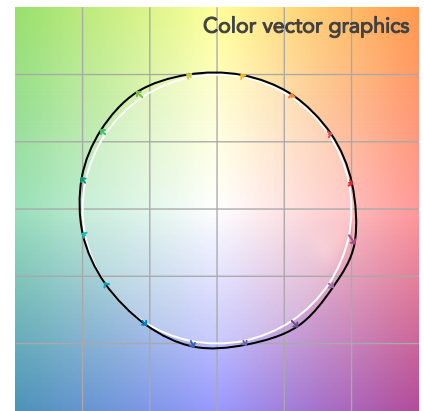
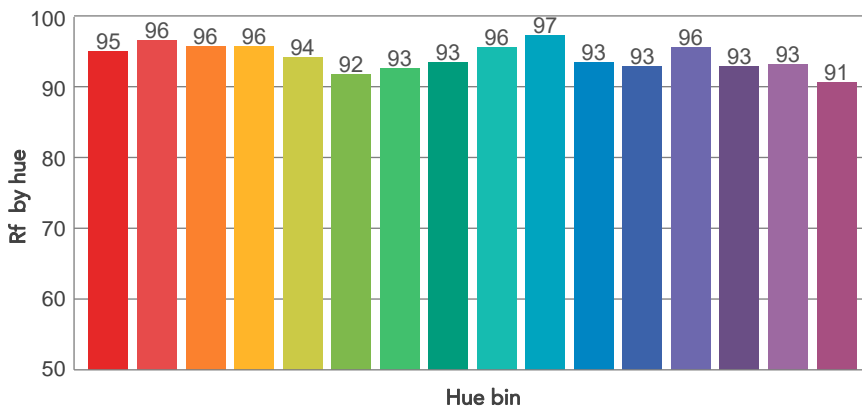
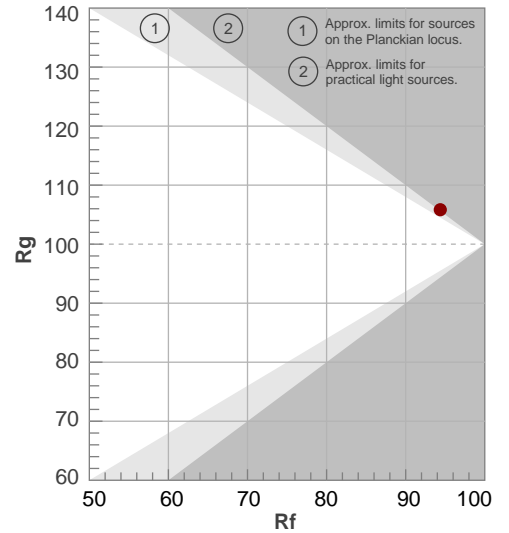


# TM30 DETAILS

**Rf 94,4**  
Fidelity index Rf

**Rg 105,8**  
Gammut index

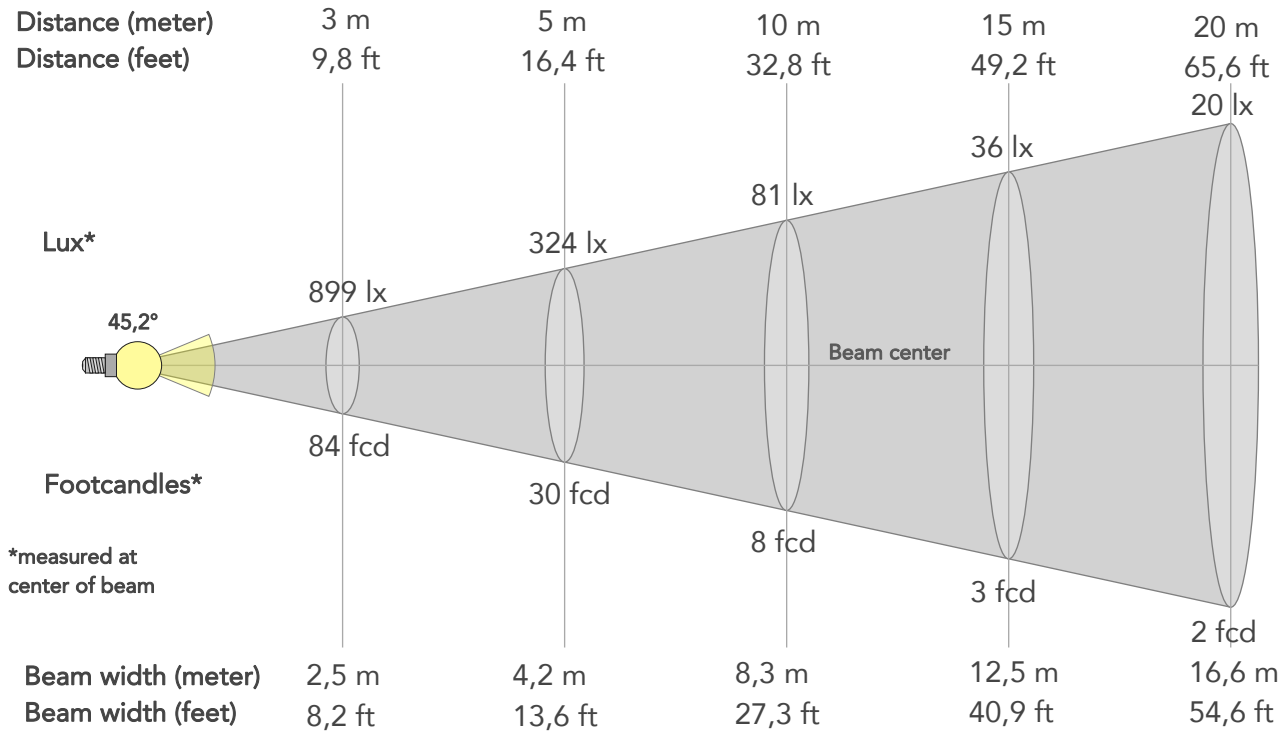
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	1%	2%
5	94	2%	2%
6	92	5%	1%
7	93	4%	-1%
8	93	3%	-3%
9	96	2%	-1%
10	97	0%	0%
11	93	1%	4%
12	93	4%	3%
13	96	3%	2%
14	93	6%	1%
15	93	4%	0%
16	91	5%	-5%



# BEAM DETAILS



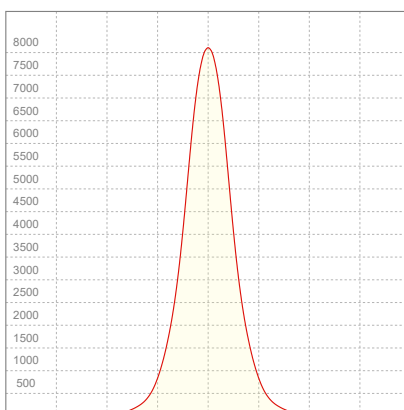
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127,1°	95,4%	85,8%



## 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	8095lx	2024lx	899lx	506lx	324lx	144lx	81lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	752fcd	188fcd	84fcd	47fcd	30fcd	13fcd	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

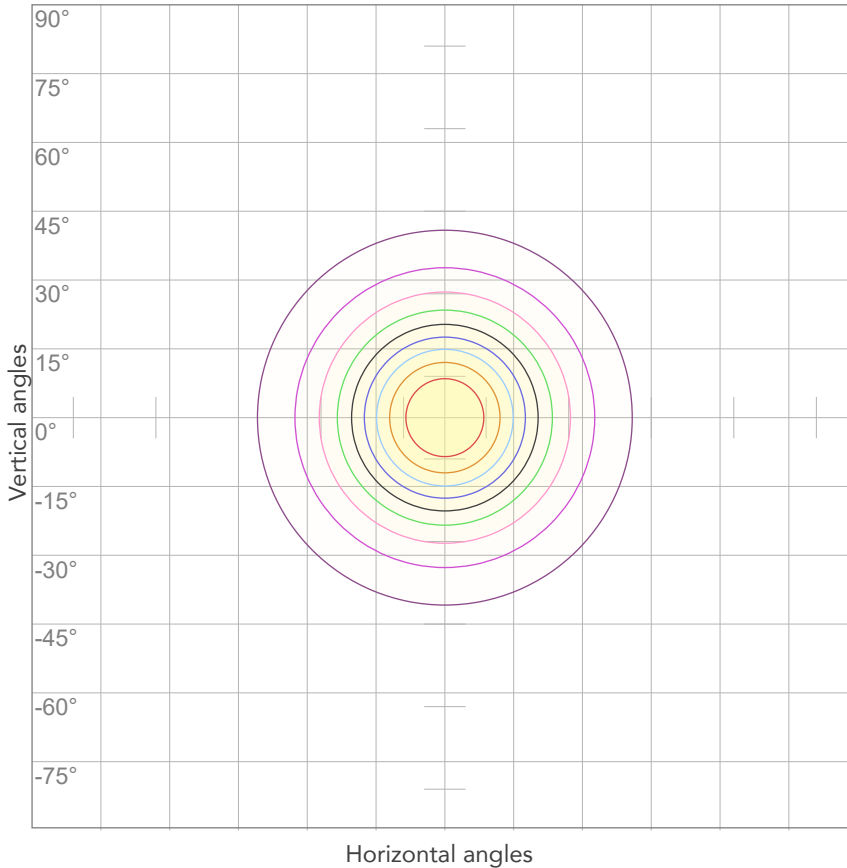


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,577A	126,7W	0,97	51lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



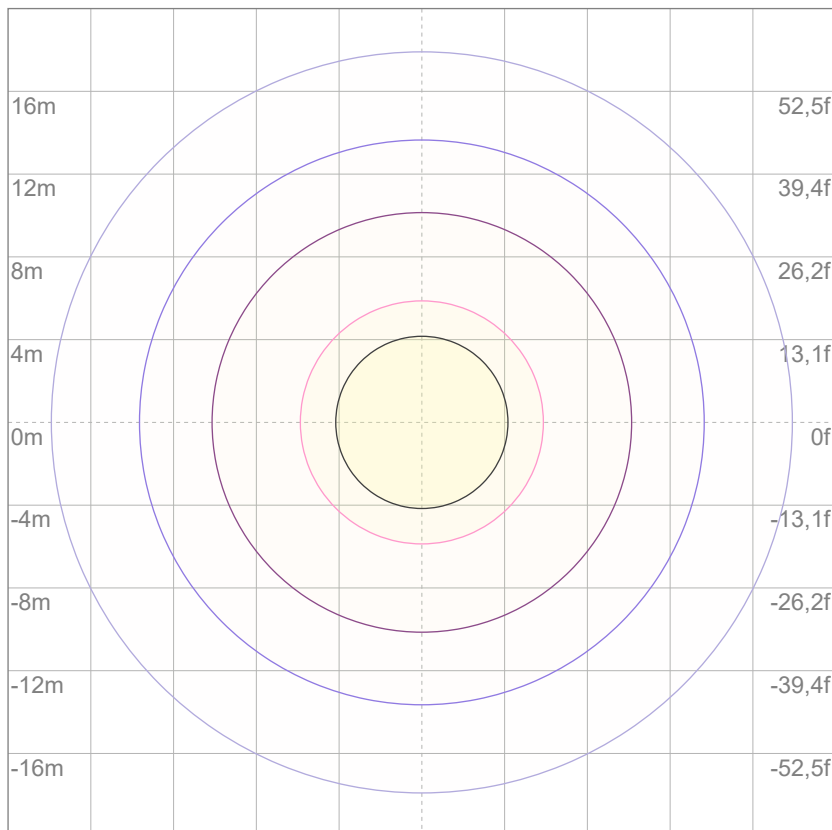
10%	809 cd
20%	1619 cd
30%	2428 cd
40%	3238 cd
50%	4047 cd
60%	4857 cd
70%	5666 cd
80%	6476 cd

### Conditions:

Number of c-planes: 2

Candela at center: 8095 cd

## ISO LUX DIAGRAM



3%	2,43 lx
5%	4,05 lx
10%	8,09 lx
30%	24,3 lx
50%	40,5 lx

### Conditions:

Number of c-planes: 2

Lux at center: 80,9 lx

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



Total lumen output:

6230 lm

Peak candela output:

5627 cd

Light quality:

CRI: 94,5

Color temperature:

3183 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 60° Filter**

**Target:**

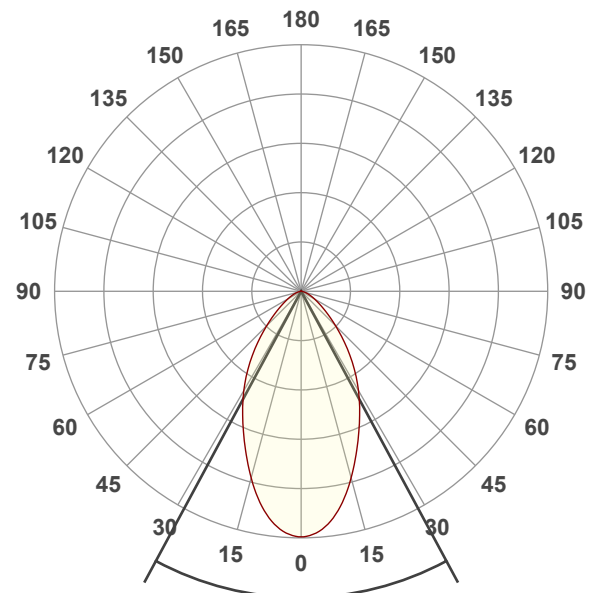
**3200K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 15:35:30**

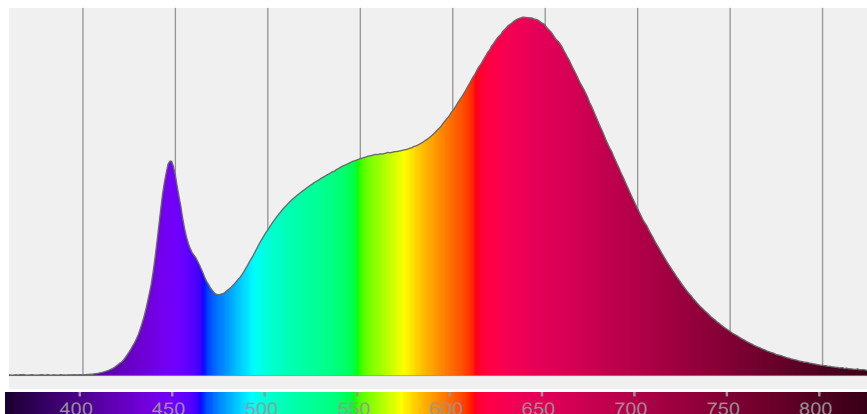


**Beam angle 50%: 56,6°**

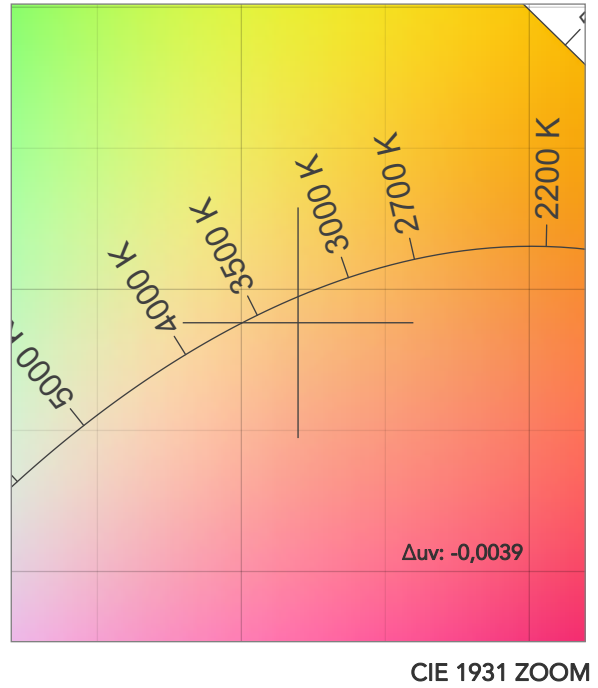
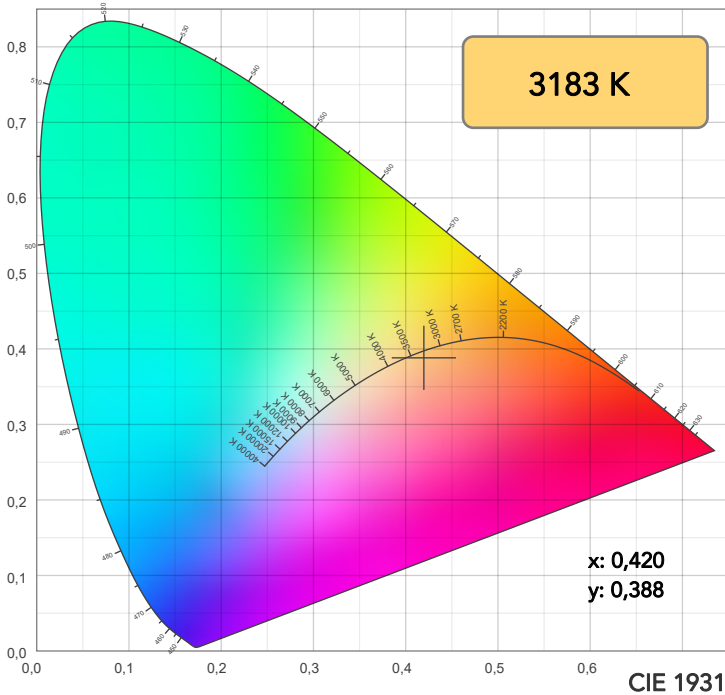
**Field angle 10%: 108,2°**

**Cut off angle 2.5%: 142,1°**

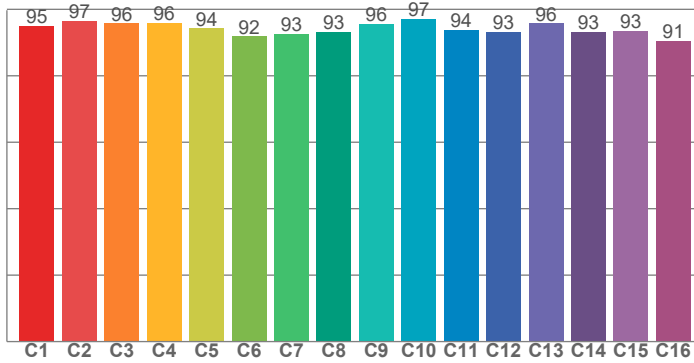
**Spectra**



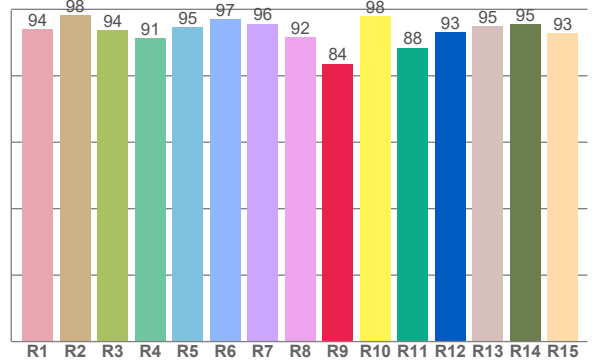
# COLOR DETAILS



TM30: 94,5



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
94,0	98,2	93,7	91,3	94,5	97,0	95,7	91,6	83,6	97,8	88,4	93,1	94,9	95,5	92,7

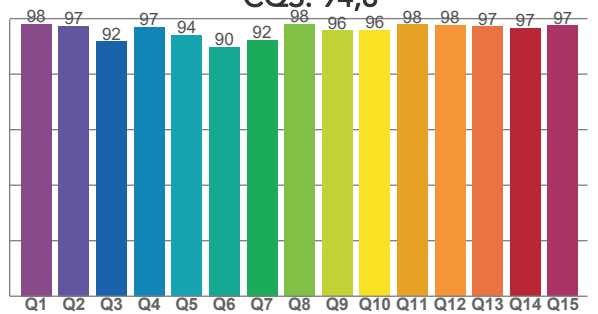
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,5	95,8	95,9	94,3	91,9	92,7	93,3	95,6	97,2	93,9	93,2	95,8	93,2	93,4	90,6

CQS Q values

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

CQS: 94,8



## COLOR PARAMETERS

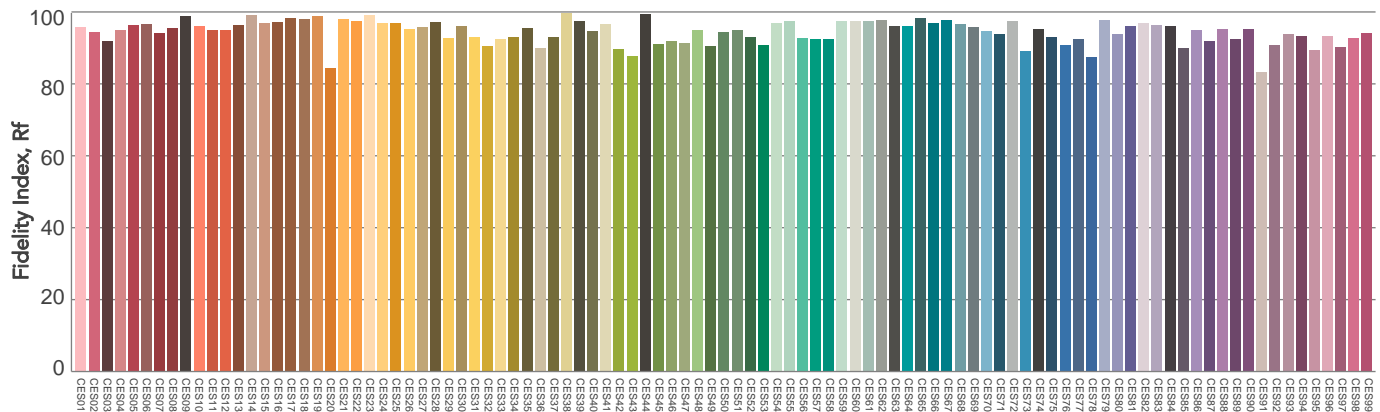
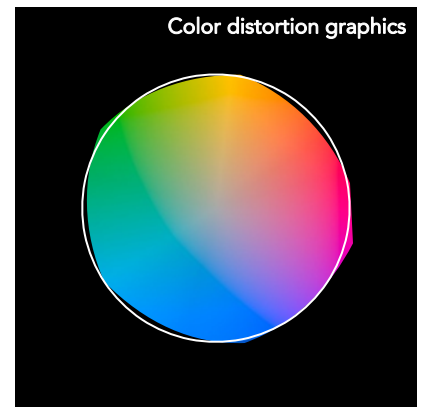
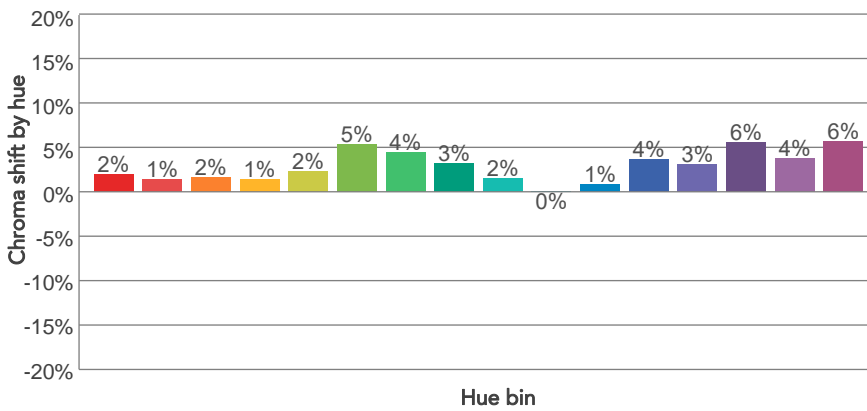
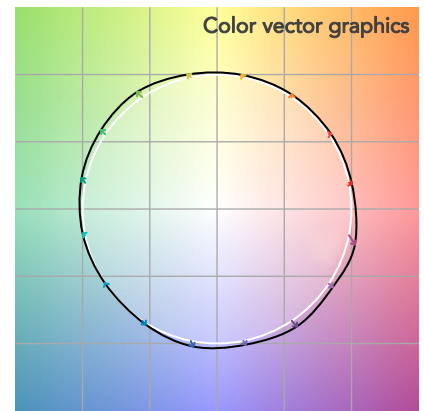
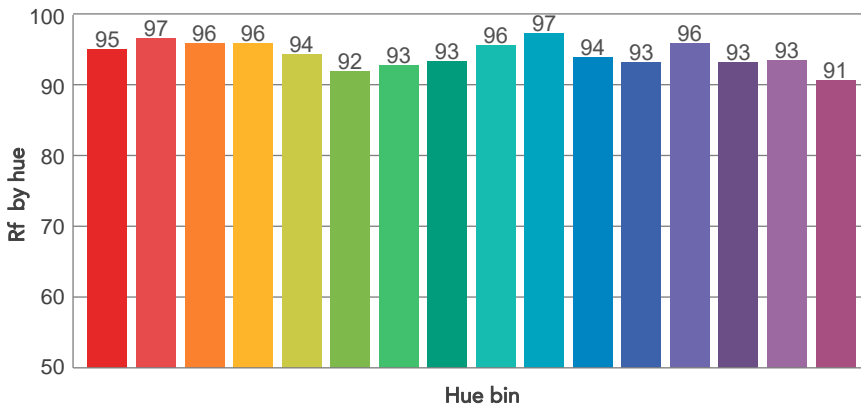
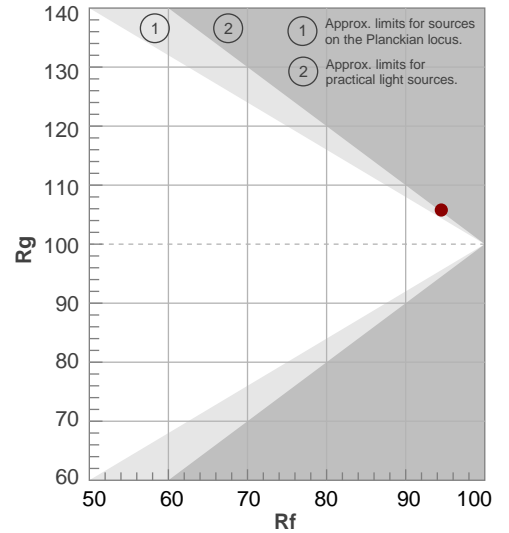
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
3183 K	94,5	83,6	94,5	105,8	94,8	97	0,420	0,388	-0,0039

# TM30 DETAILS

**Rf 94,5**  
Fidelity index Rf

**Rg 105,8**  
Gammut index

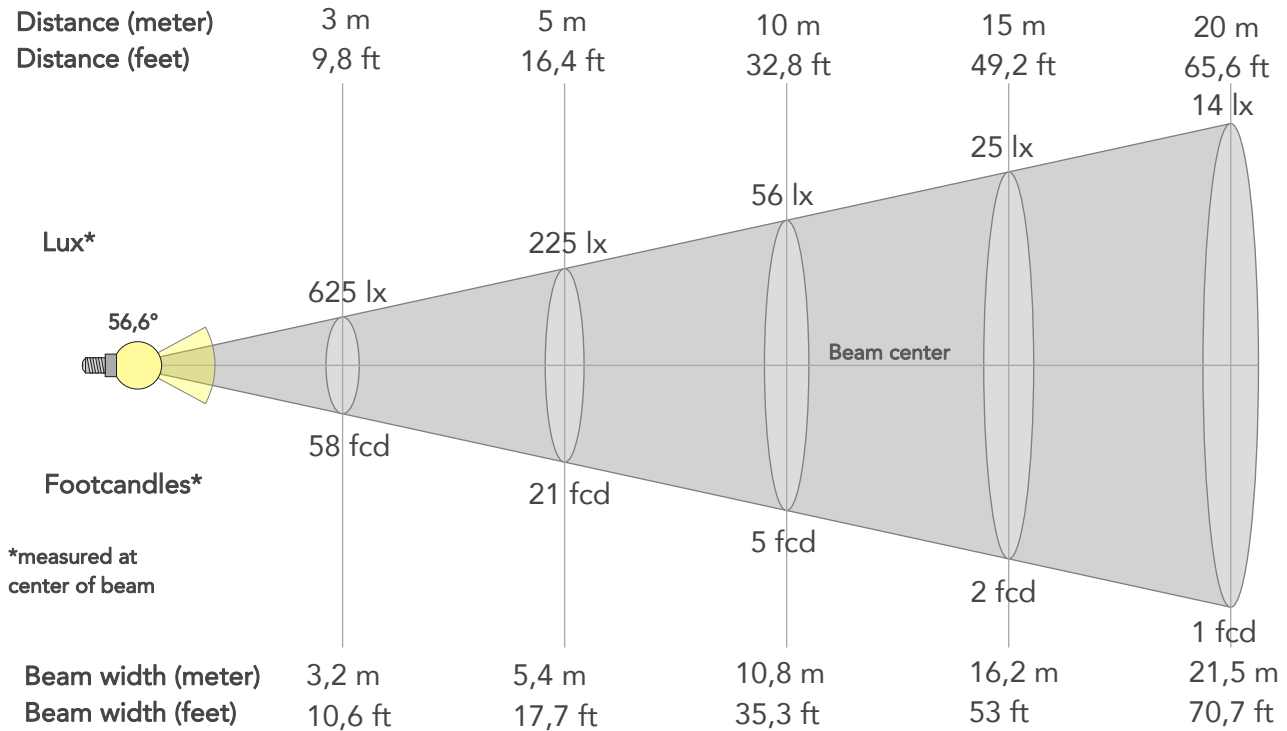
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	96	2%	1%
4	96	1%	2%
5	94	2%	2%
6	92	5%	1%
7	93	4%	-1%
8	93	3%	-3%
9	96	2%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	96	3%	1%
14	93	6%	1%
15	93	4%	-1%
16	91	6%	-6%



# BEAM DETAILS



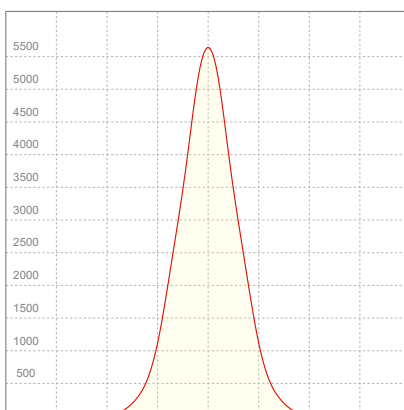
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,6°	108,2°	142,1°	94,0%	80,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	5627lx	1407lx	625lx	352lx	225lx	100lx	56lx	25lx	14lx	9lx	6lx	4lx	2lx
Footcand.	523fcd	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	21,5m	26,9m	32,3m	43,1m	53,9m
Beam wid.	3,6ft	7,1ft	10,6ft	14,1ft	17,7ft	26,5ft	35,3ft	53ft	70,7ft	88,3ft	106ft	141,3ft	176,7ft

## LINEAR DISTRIBUTION DIAGRAM

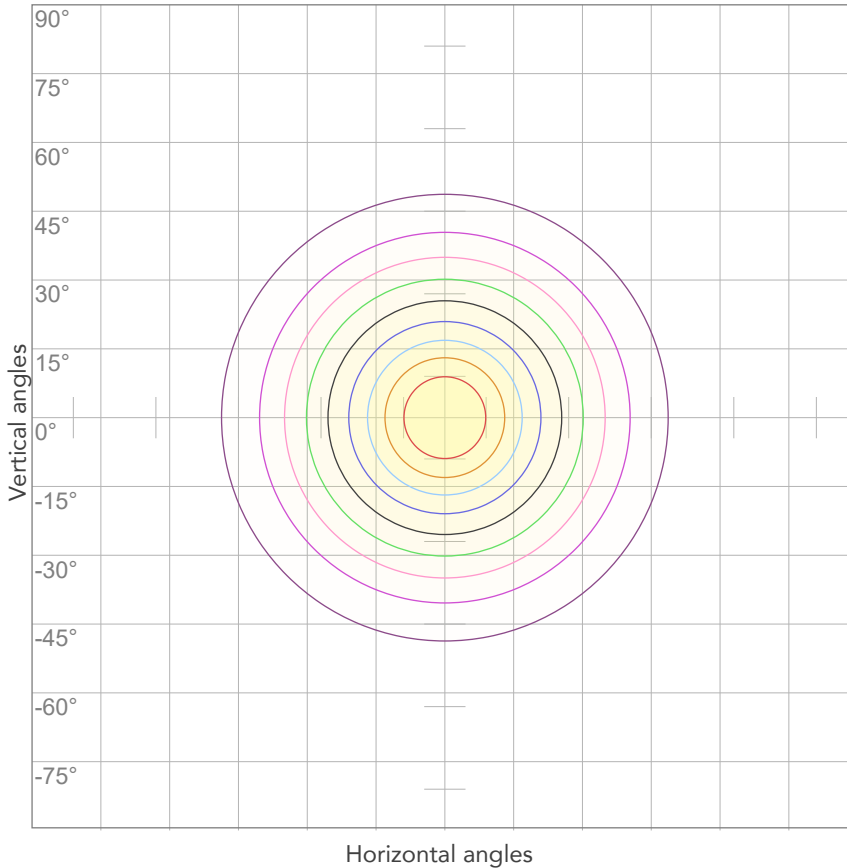


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,581A	127,1W	0,97	49lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



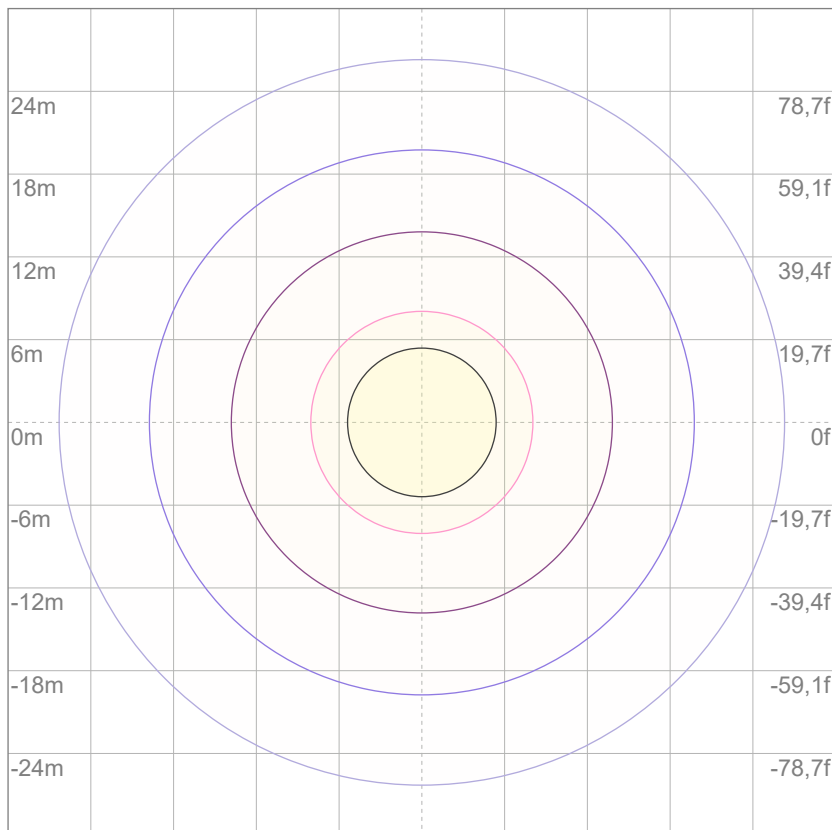
10%	563 cd
20%	1125 cd
30%	1688 cd
40%	2251 cd
50%	2814 cd
60%	3376 cd
70%	3939 cd
80%	4502 cd

**Conditions:**

Number of c-planes: 2

Candela at center: 5627 cd

## ISO LUX DIAGRAM



3%	1,69 lx
5%	2,81 lx
10%	5,63 lx
30%	16,9 lx
50%	28,1 lx

**Conditions:**

Number of c-planes: 2

Lux at center: 56,3 lx

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





Total lumen output:

9548 lm

Peak candela output:

19937 cd

Light quality:

CRI: 94,4

Color temperature:

3236 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 10°x60° Filter

**Target:**

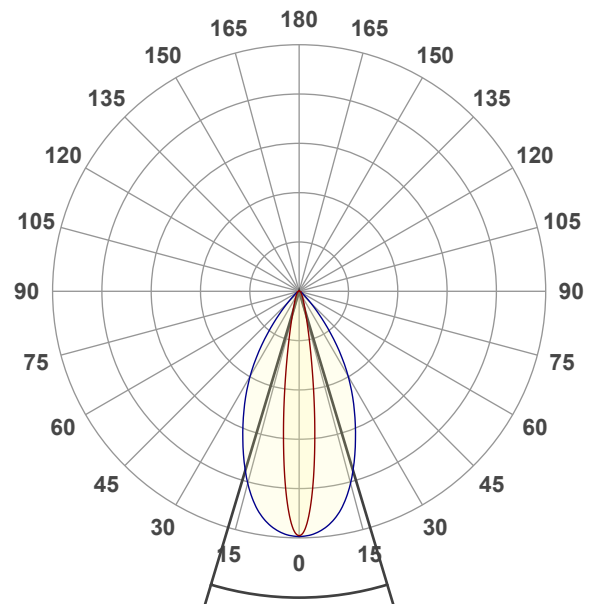
3200K

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 16:25:41

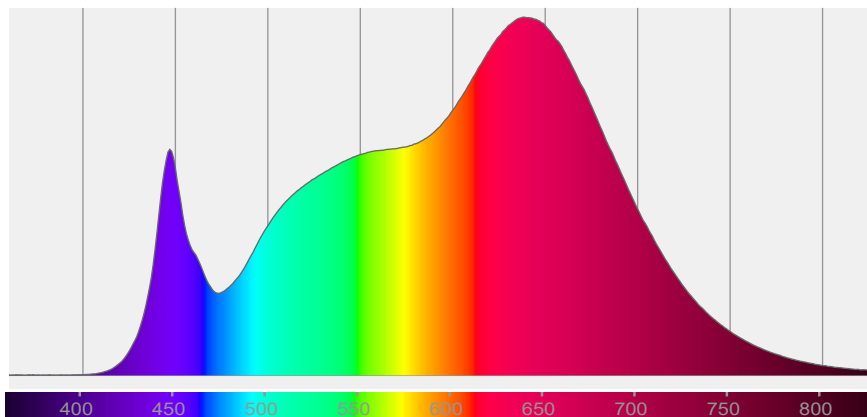


Beam angle 50%: 33,5°

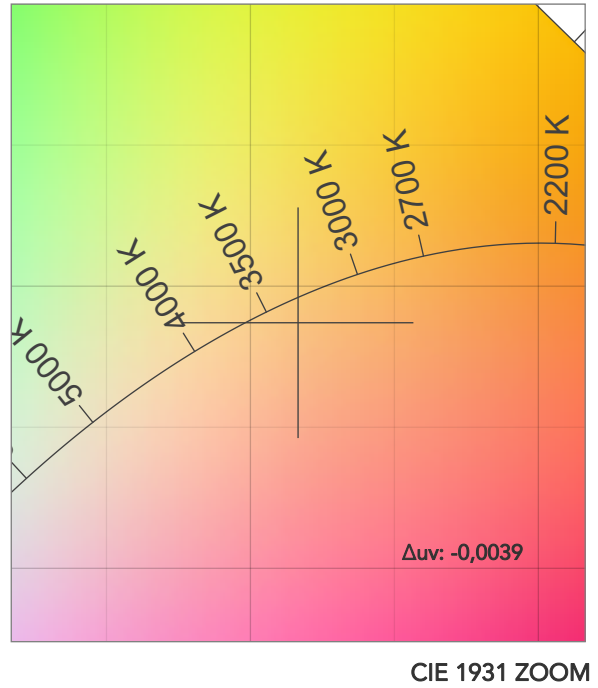
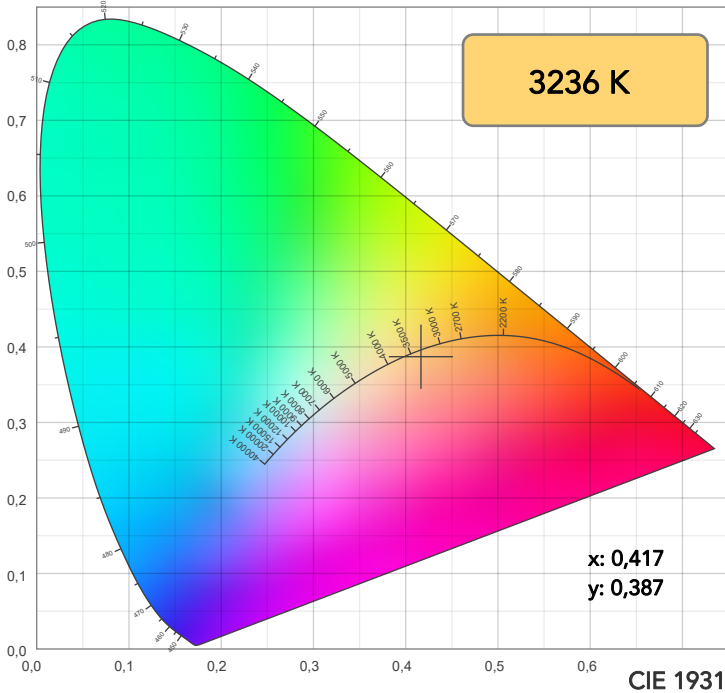
Field angle 10%: 58,5°

Cut off angle 2.5%: 84,3°

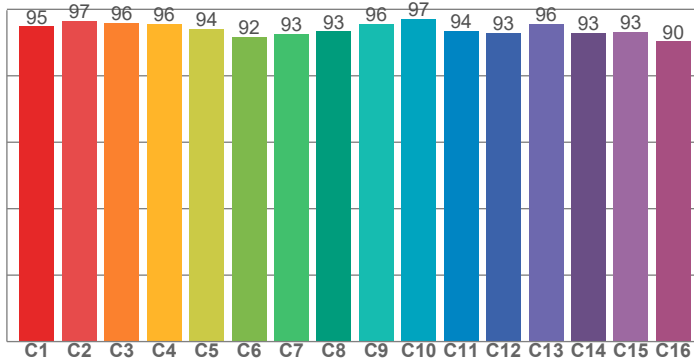
**Spectra**



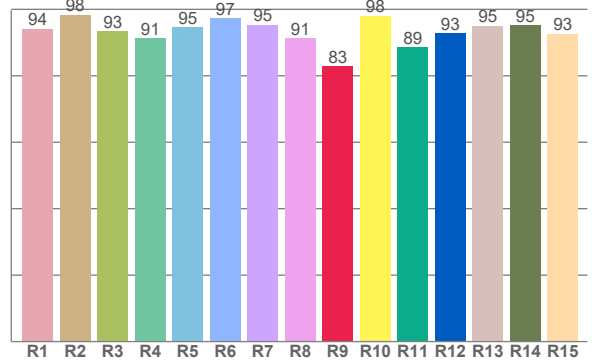
# COLOR DETAILS



**TM30: 94,4**



**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
94,1	98,4	93,3	91,2	94,7	97,2	95,4	91,2	83,0	98,1	88,5	92,9	95,1	95,3	92,6

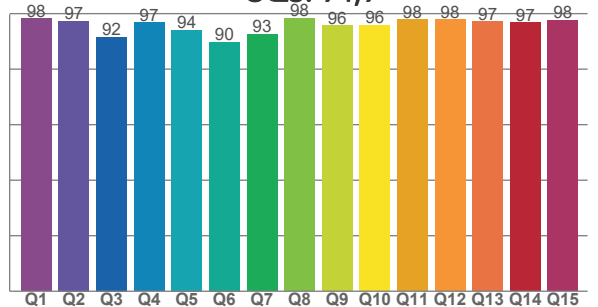
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,9	96,5	95,9	95,7	94,2	91,8	92,6	93,3	95,6	97,2	93,6	92,9	95,6	93,0	93,3	90,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	97,3	91,5	96,8	94,1	89,8	92,6	98,3	95,6	95,8	97,8	97,9	97,1	96,7	97,6

**CQS: 94,9**



## COLOR PARAMETERS

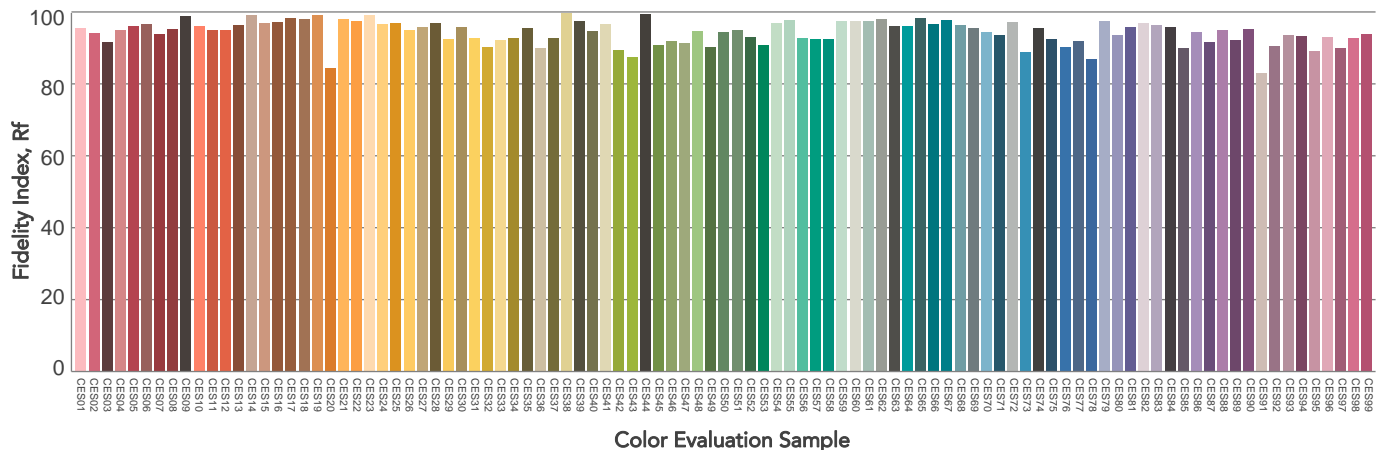
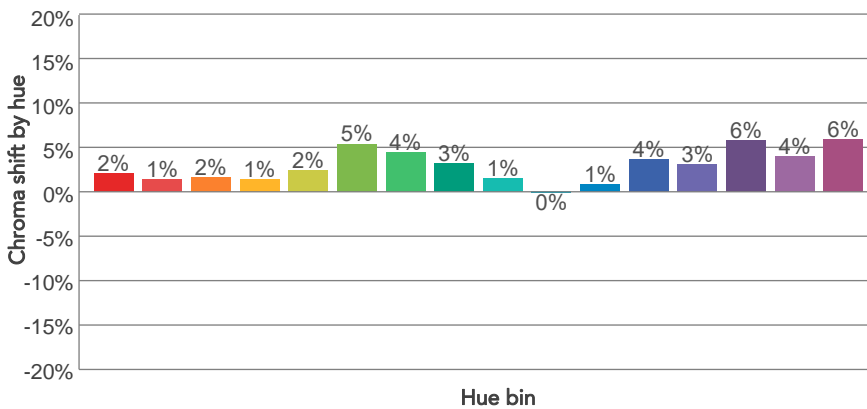
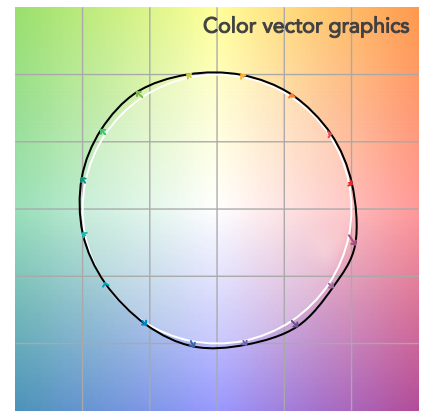
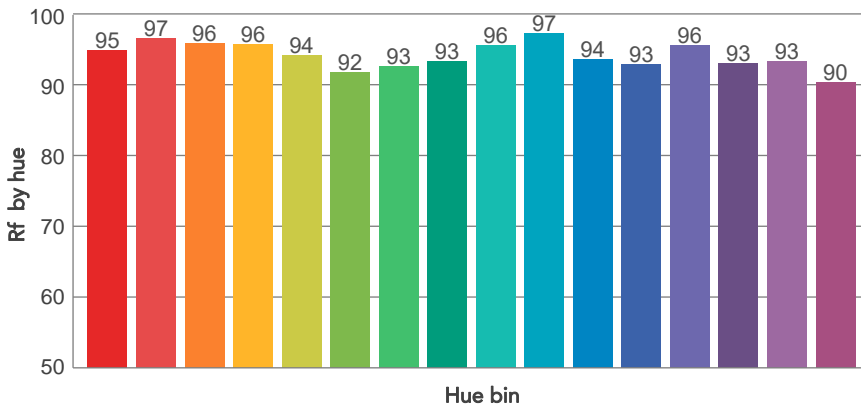
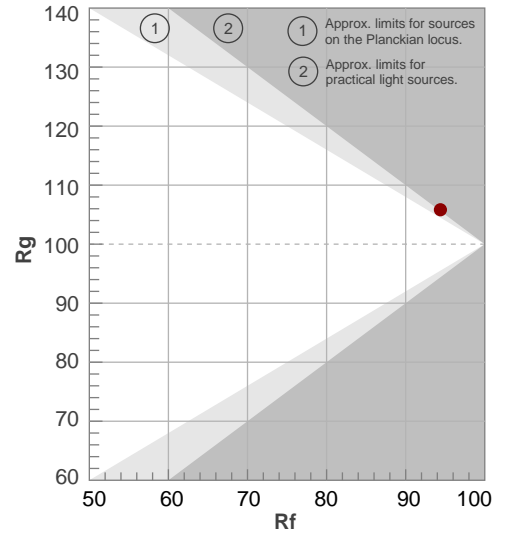
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3236 K	94,4	83,0	94,4	105,8	94,9	97	0,417	0,387	-0,0039

# TM30 DETAILS

**Rf 94,4**  
Fidelity index Rf

**Rg 105,8**  
Gammut index

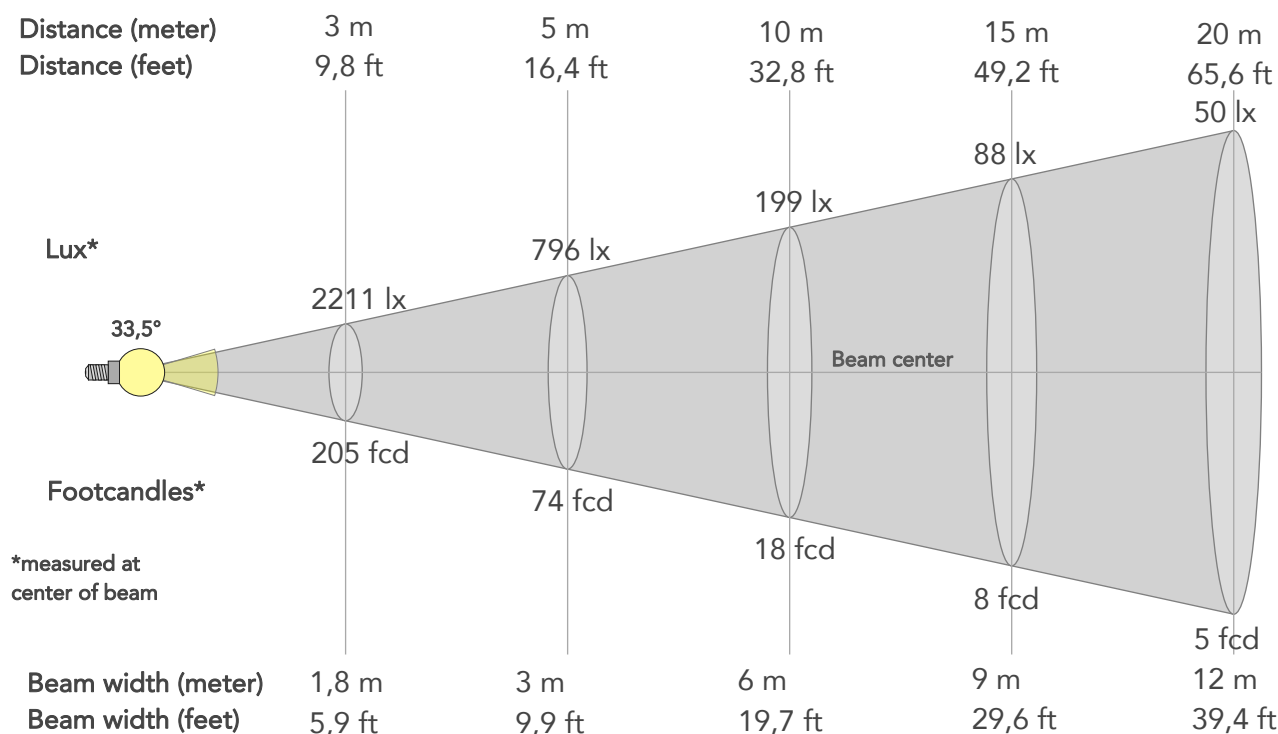
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	97	1%	-1%
3	96	2%	1%
4	96	1%	2%
5	94	2%	2%
6	92	5%	1%
7	93	4%	-1%
8	93	3%	-3%
9	96	1%	-2%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	96	3%	2%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%



# BEAM DETAILS



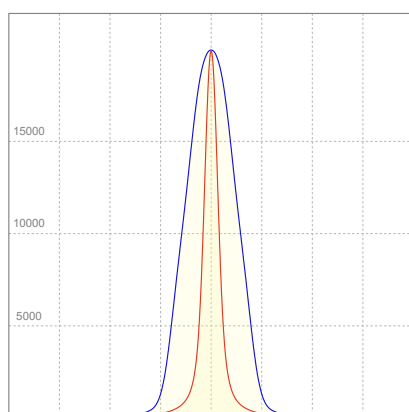
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	58,5°	84,3°	97,5%	92,3%



## 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	19900lx	4975lx	2211lx	1244lx	796lx	354lx	199lx	88lx	50lx	32lx	22lx	12lx	8lx
Footcand.	1849fcd	462fcd	205fcd	116fcd	74fcd	33fcd	18fcd	8fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,7ft	29,6ft	39,4ft	49,3ft	59,2ft	78,9ft	98,6ft

## LINEAR DISTRIBUTION DIAGRAM

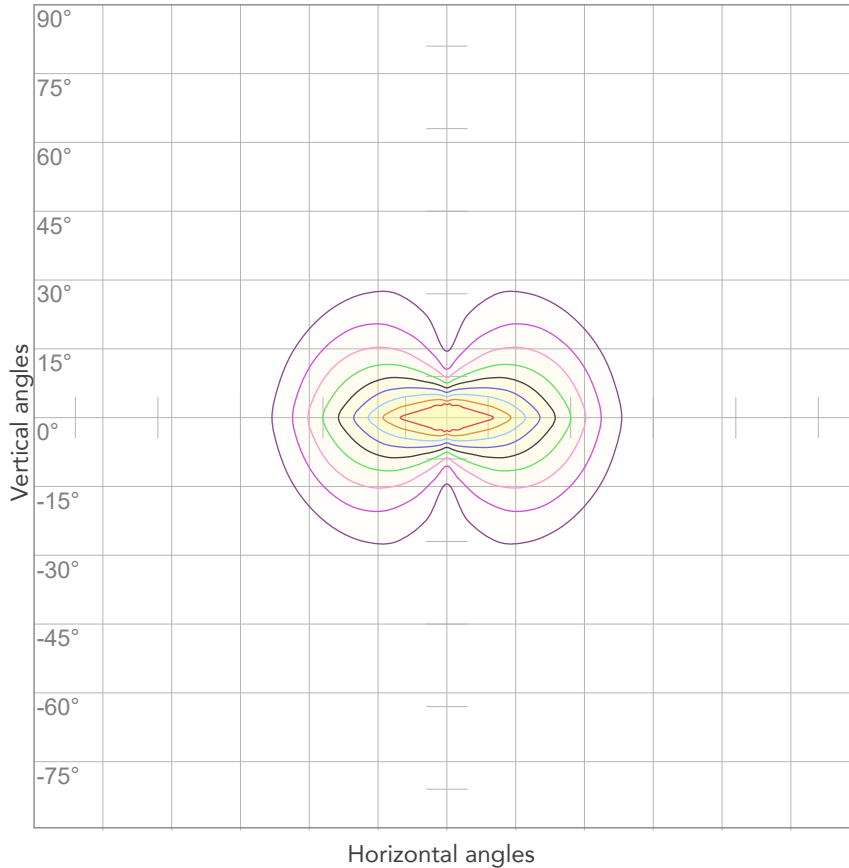


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,585A	128,1W	0,98	75lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



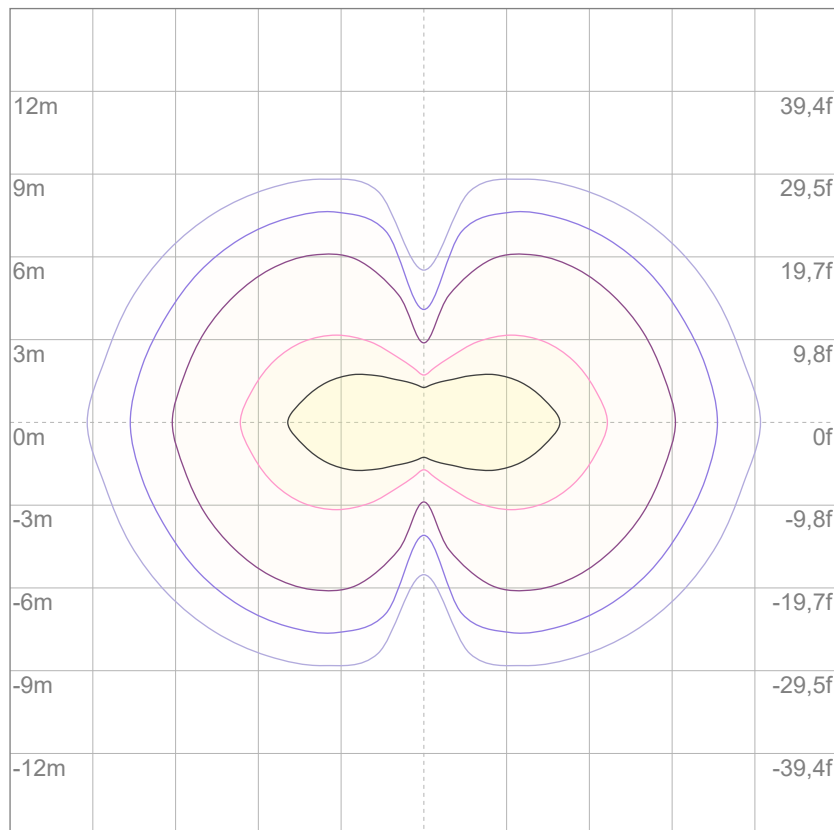
10%	1990 cd
20%	3980 cd
30%	5970 cd
40%	7960 cd
50%	9950 cd
60%	11940 cd
70%	13930 cd
80%	15920 cd

Conditions:

Number of c-planes: 4

Candela at center: 19900 cd

## ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 4

Lux at center: 199 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

6863 lm

Peak candela output:

9977 cd

Light quality:

CRI: 94,3

Color temperature:

3226 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 30°x60° Filter**

**Target:**

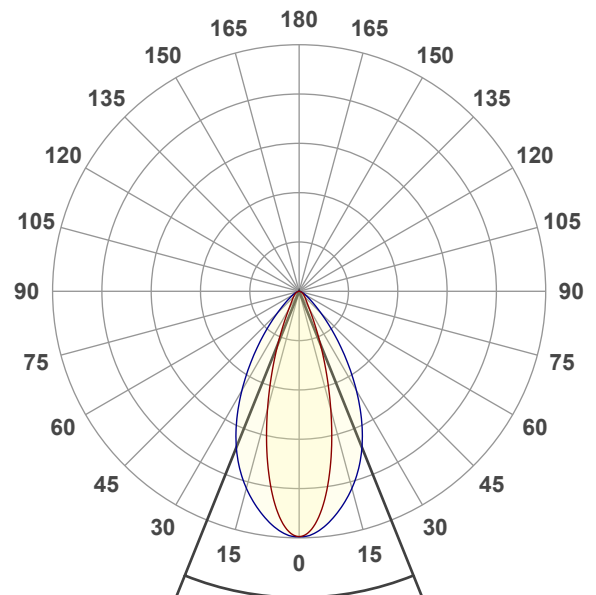
**3200K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 17:09:11**

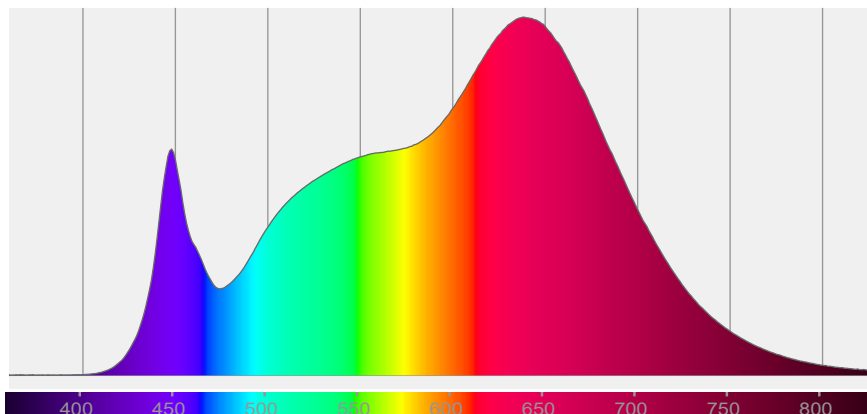


**Beam angle 50%: 43,8°**

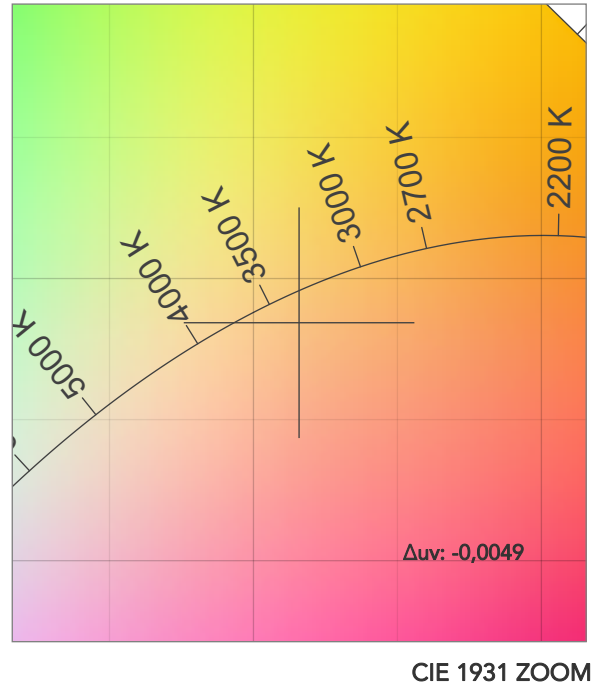
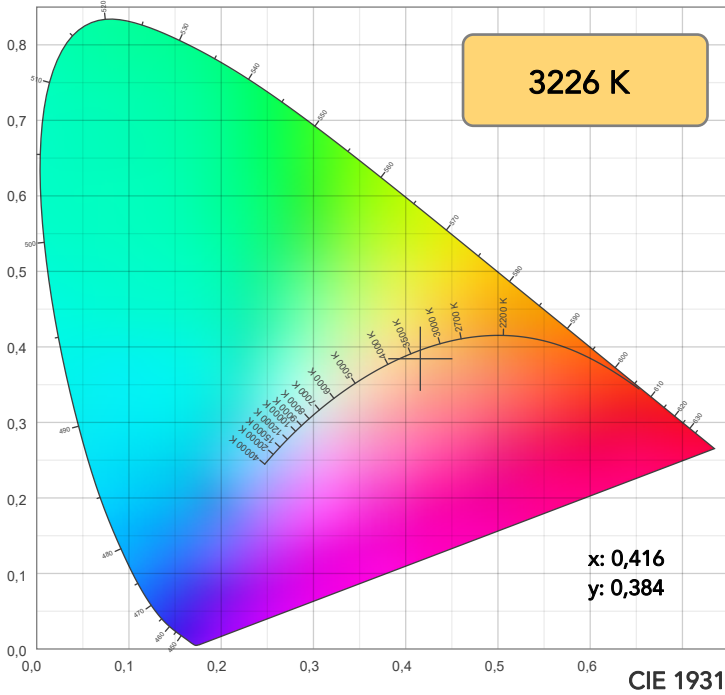
**Field angle 10%: 75,8°**

**Cut off angle 2.5%: 113,6°**

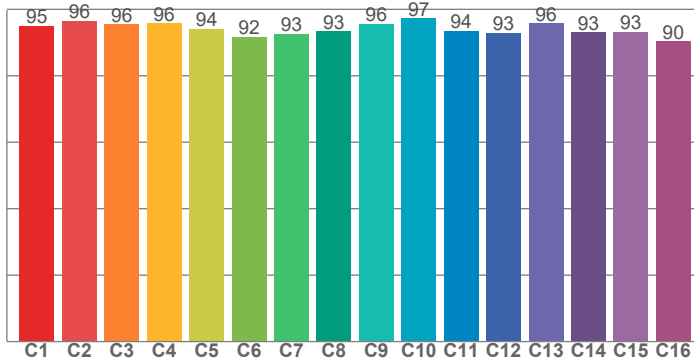
**Spectra**



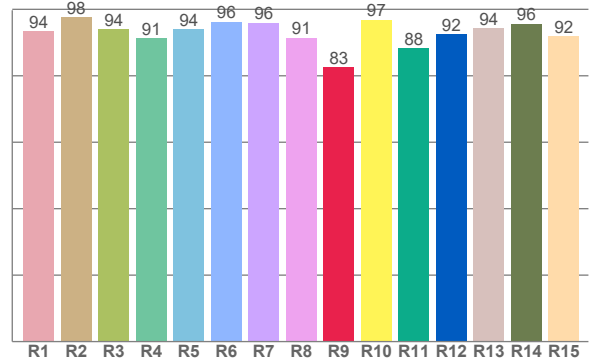
# COLOR DETAILS



**TM30: 94,4**



**CRI: 94,3 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,5	97,6	94,1	91,2	94,0	96,3	96,0	91,4	82,5	96,9	88,3	92,5	94,3	95,7	92,0

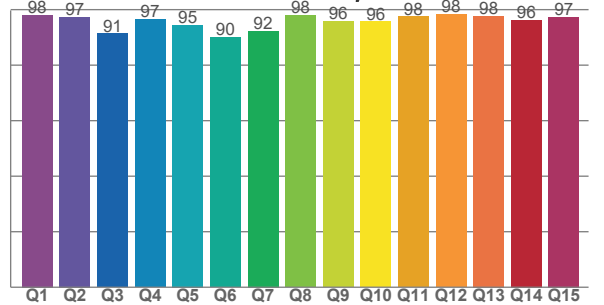
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,5	95,5	95,8	94,2	91,7	92,6	93,4	95,6	97,2	93,6	93,0	95,7	93,0	93,3	90,4

CQS Q values

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

**CQS: 94,9**



## COLOR PARAMETERS

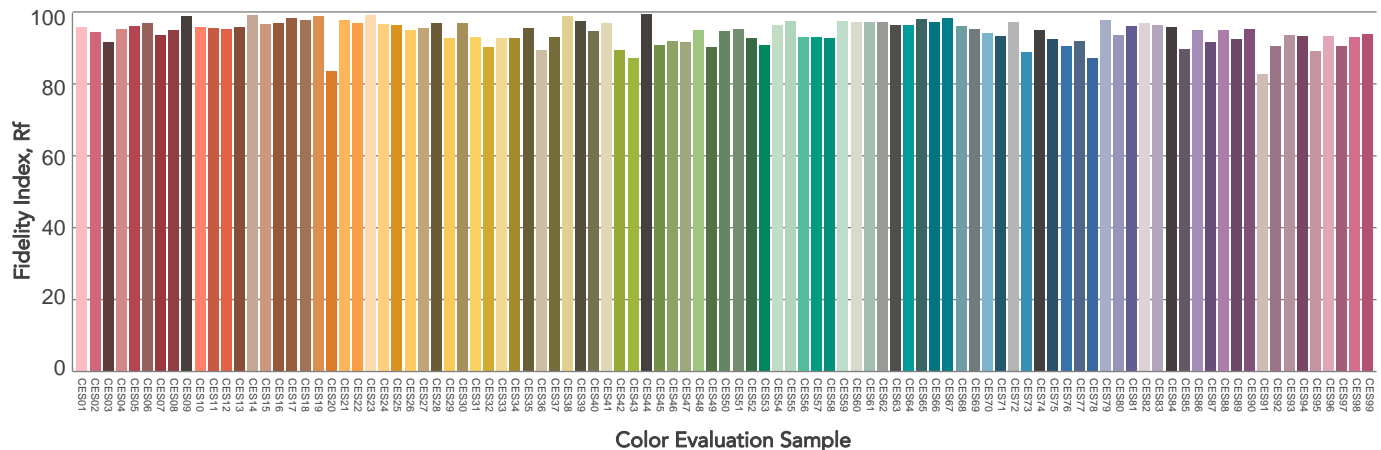
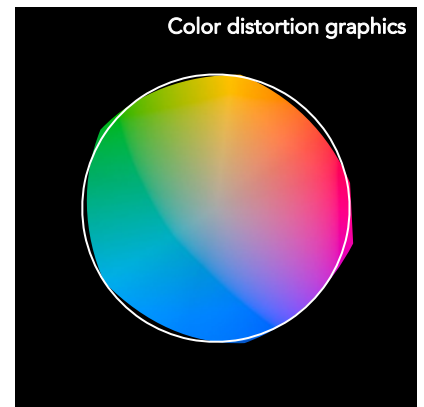
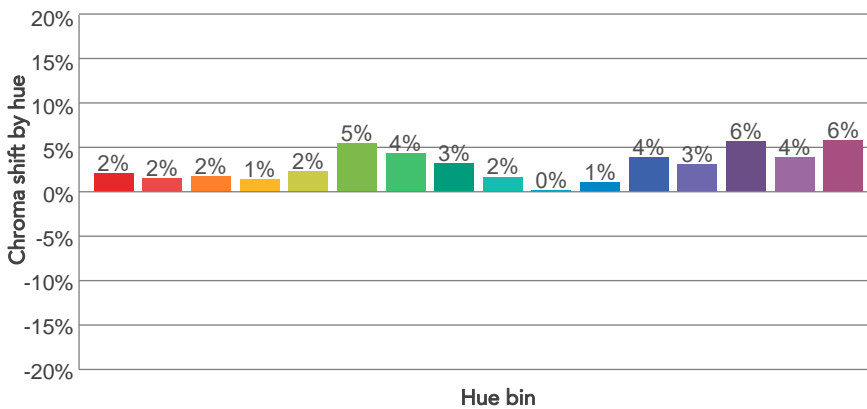
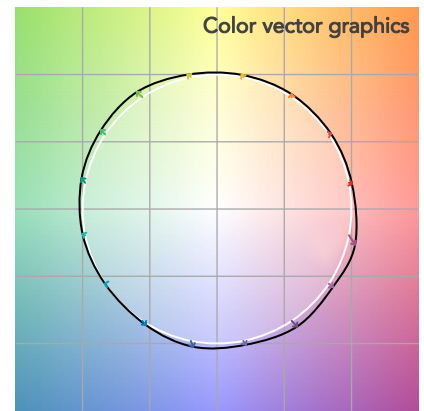
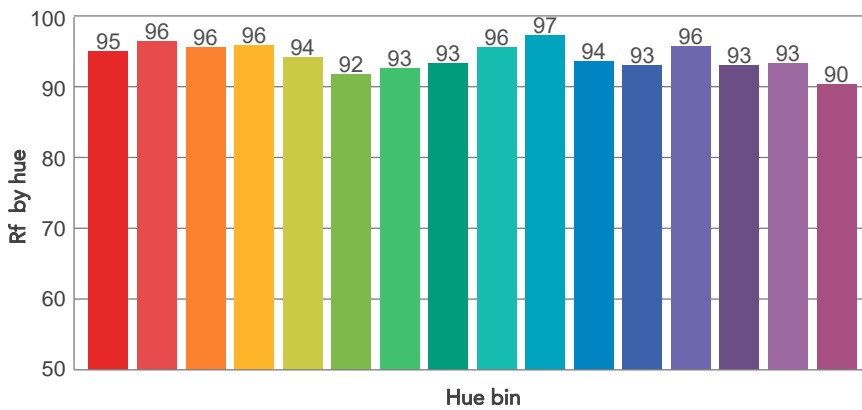
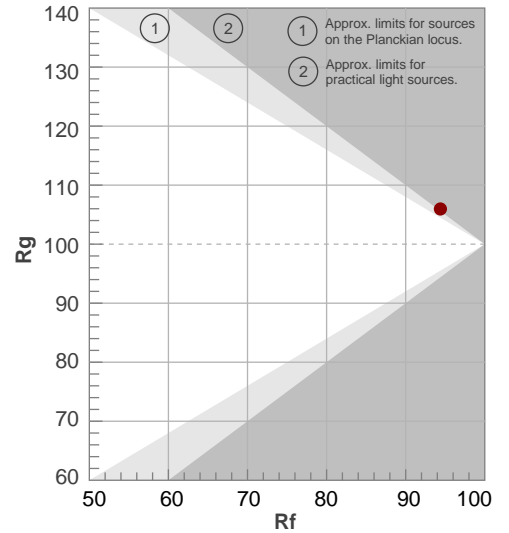
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3226 K	94,3	82,5	94,4	106,0	94,9	97	0,416	0,384	-0,0049

# TM30 DETAILS

**Rf 94,4**  
Fidelity index Rf

**Rg 106,0**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	1%	2%
5	94	2%	2%
6	92	5%	1%
7	93	4%	-1%
8	93	3%	-3%
9	96	2%	-1%
10	97	0%	0%
11	94	1%	4%
12	93	4%	3%
13	96	3%	1%
14	93	6%	1%
15	93	4%	0%
16	90	6%	-6%

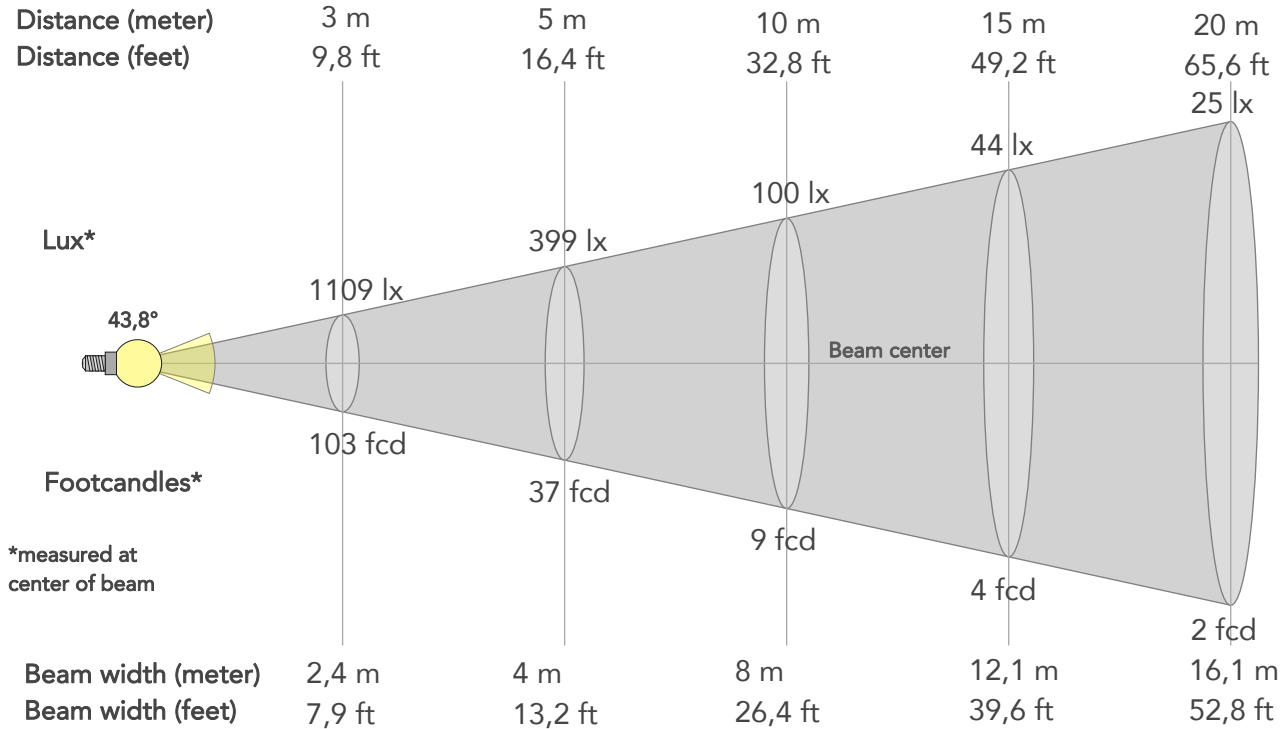




# BEAM DETAILS



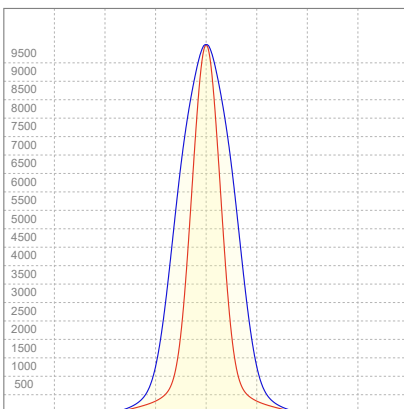
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,8°	113,6°	96,0%	87,8%



## 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	9977lx	2494lx	1109lx	624lx	399lx	177lx	100lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	927fcd	232fcd	103fcd	58fcd	37fcd	16fcd	9fcd	4fcd	2fcd	1fcd	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

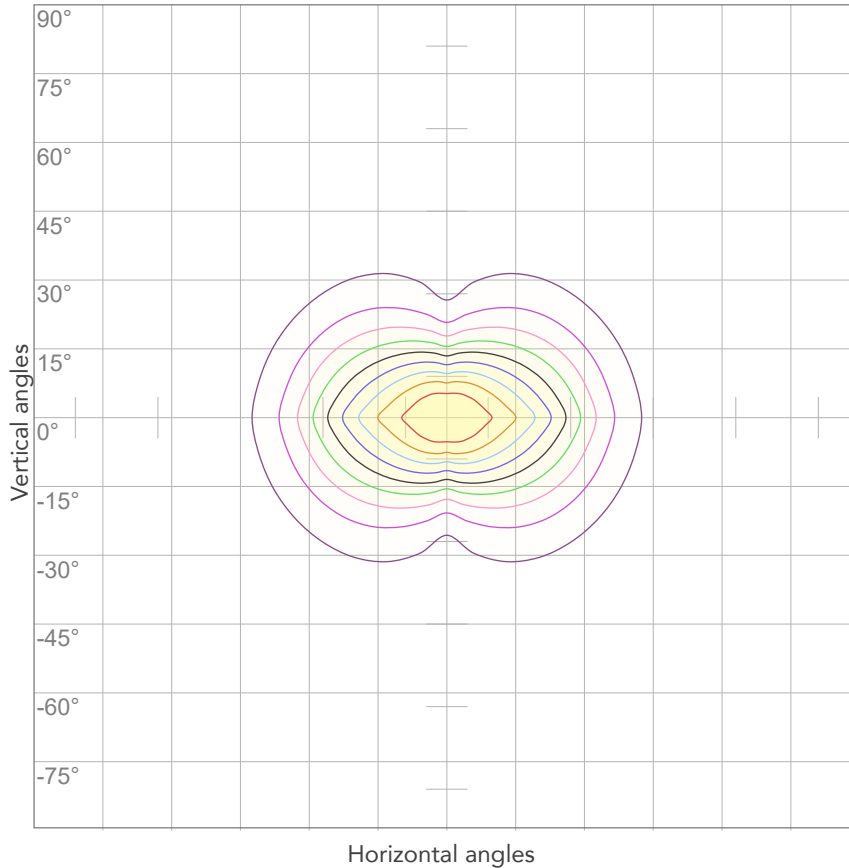


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,574A	126,6W	0,98	54lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



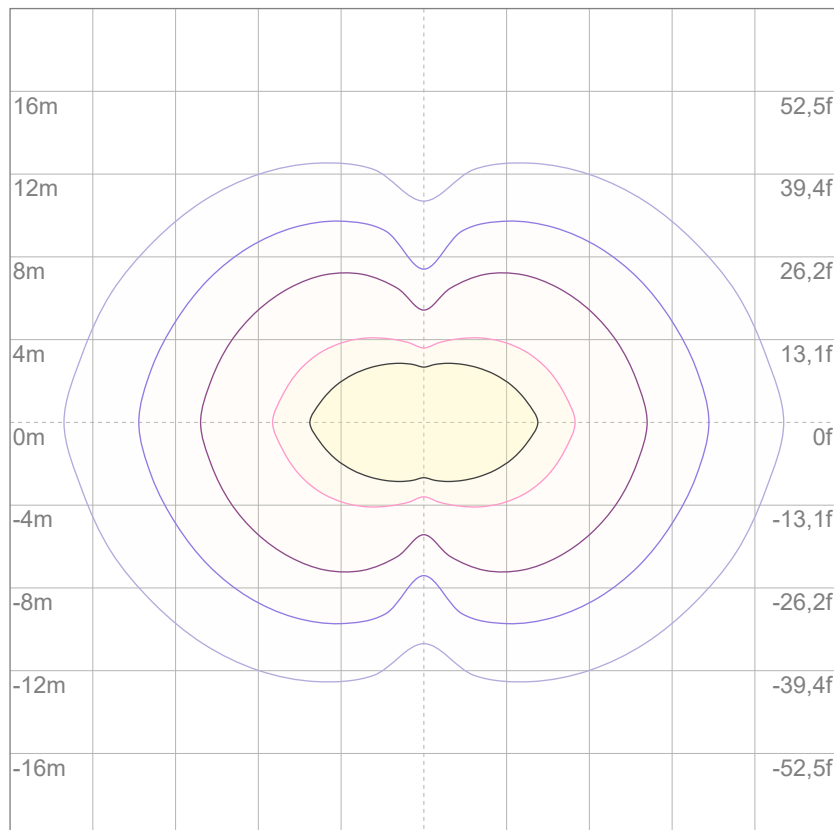
10%	998 cd
20%	1995 cd
30%	2993 cd
40%	3991 cd
50%	4988 cd
60%	5986 cd
70%	6984 cd
80%	7981 cd

Conditions:

Number of c-planes: 4

Candela at center: 9977 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

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

Conditions:

Number of c-planes: 4

Lux at center: 99,8 lx

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



Total lumen output:

7778 lm

Peak candela output:

154018 cd

Light quality:

CRI: 94,1

Color temperature:

4057 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10°**

**Target:**

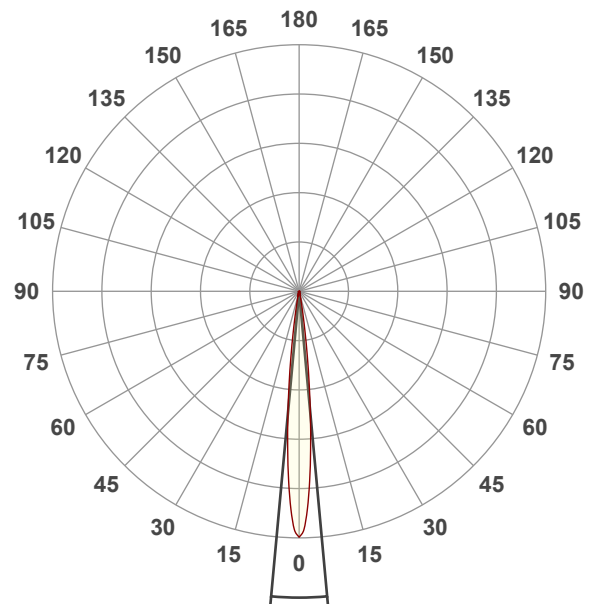
**4000K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:13:43**

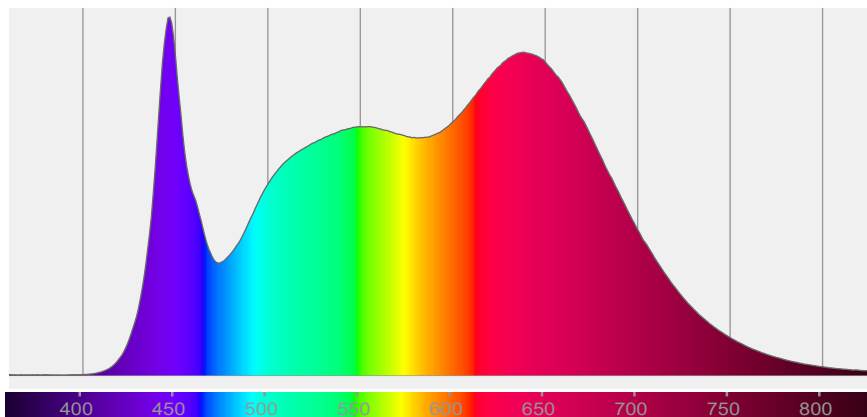


**Beam angle 50%: 10,5°**

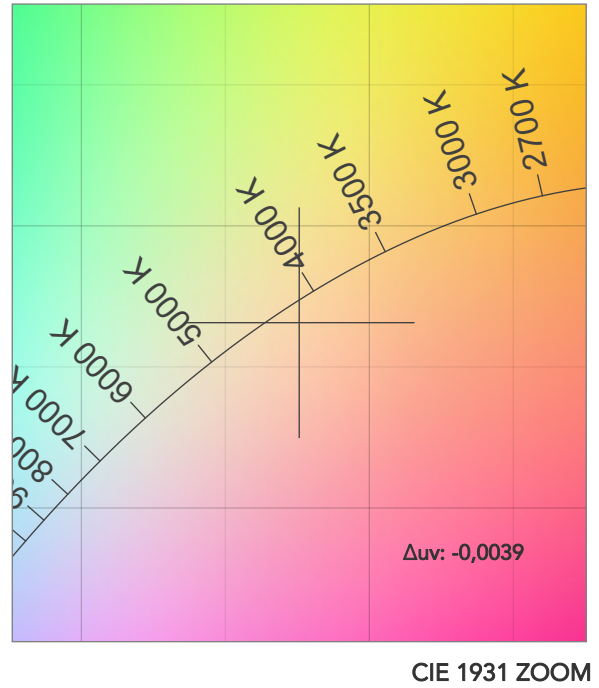
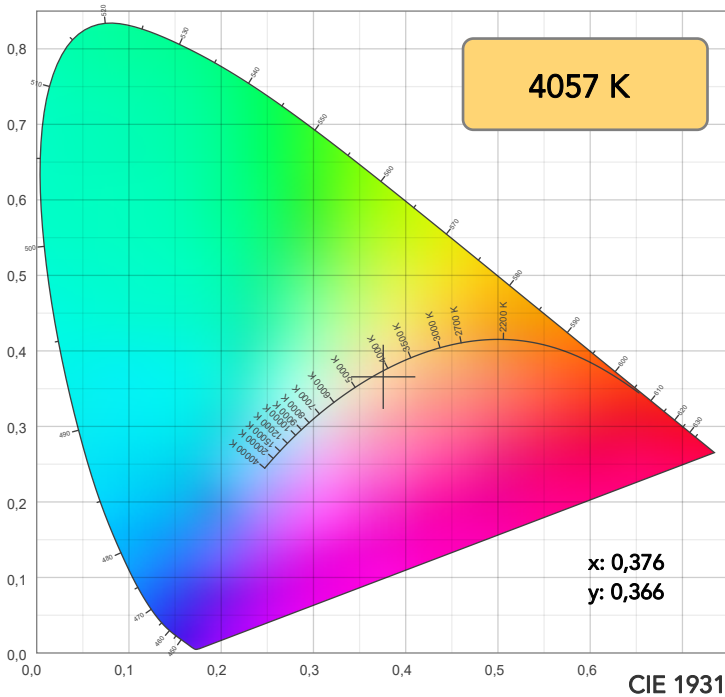
**Field angle 10%: 18,8°**

**Cut off angle 2.5%: 25,9°**

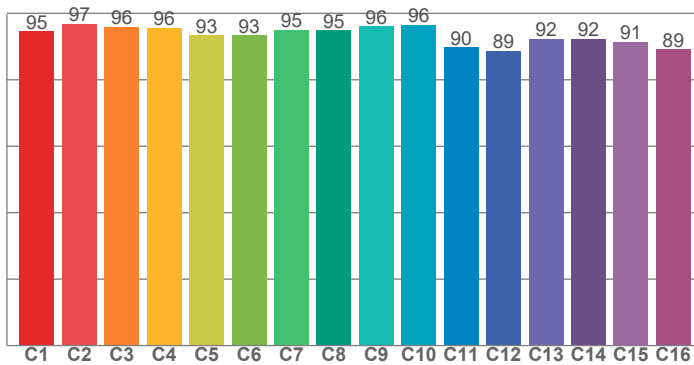
**Spectra**



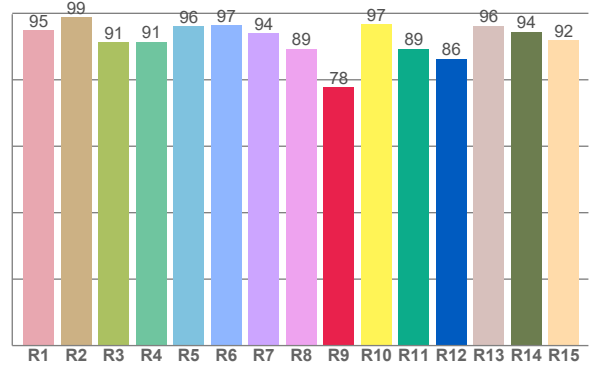
# COLOR DETAILS



**TM30: 93,7**



**CRI: 94,1 (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
94,9	98,8	91,4	91,4	96,1	96,5	94,0	89,3	77,8	96,7	89,4	86,4	96,3	94,5	91,9

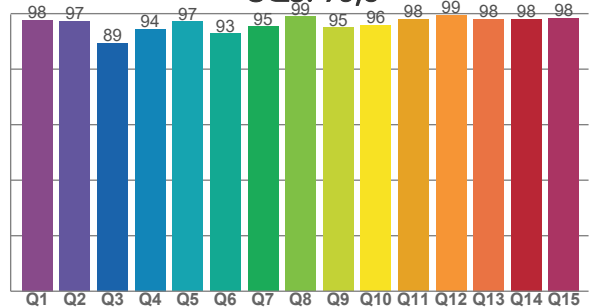
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,8	96,0	95,6	93,3	93,3	95,0	94,8	96,0	96,5	89,7	88,7	92,3	92,3	91,5	89,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,8	97,2	89,4	94,4	97,1	92,9	95,3	98,9	95,0	95,8	98,0	99,4	98,0	98,0	98,4

**CQS: 95,6**



## COLOR PARAMETERS

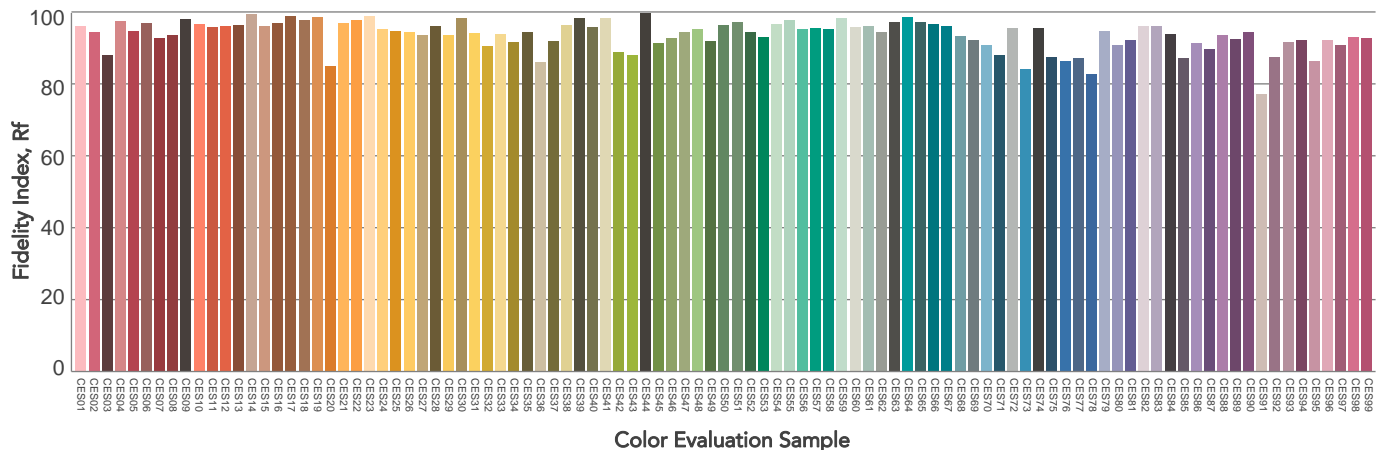
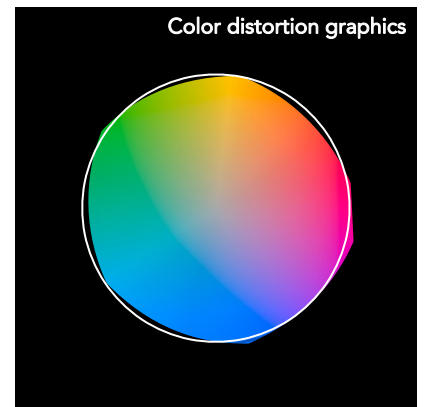
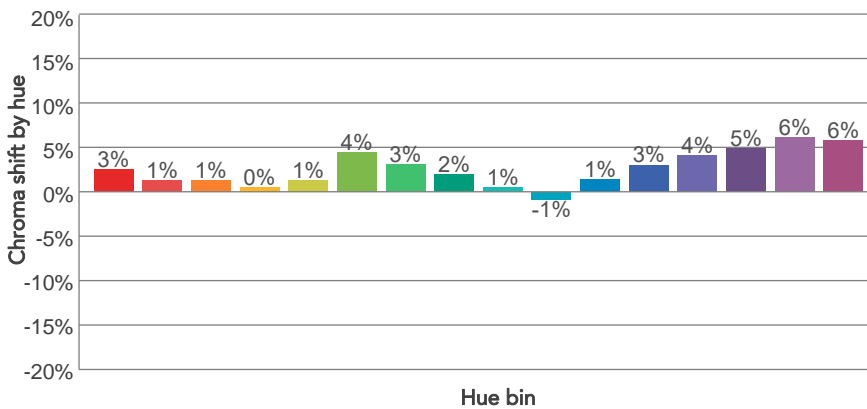
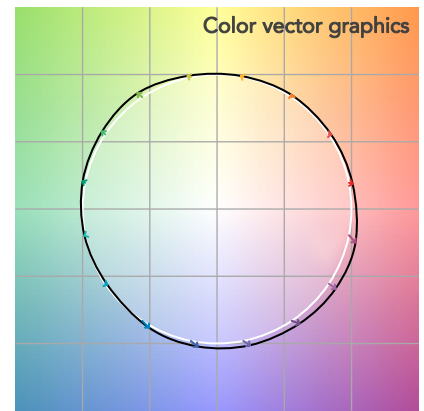
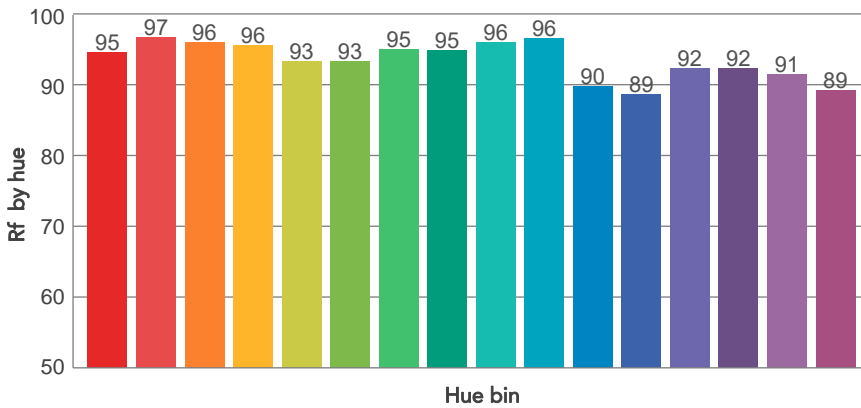
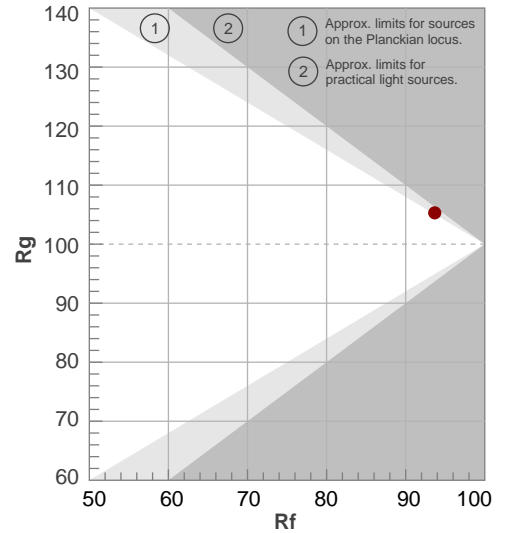
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4057 K	94,1	77,8	93,7	105,3	95,6	97	0,376	0,366	-0,0039

# TM30 DETAILS

**Rf 93,7**  
Fidelity index Rf

**Rg 105,3**  
Gammut index

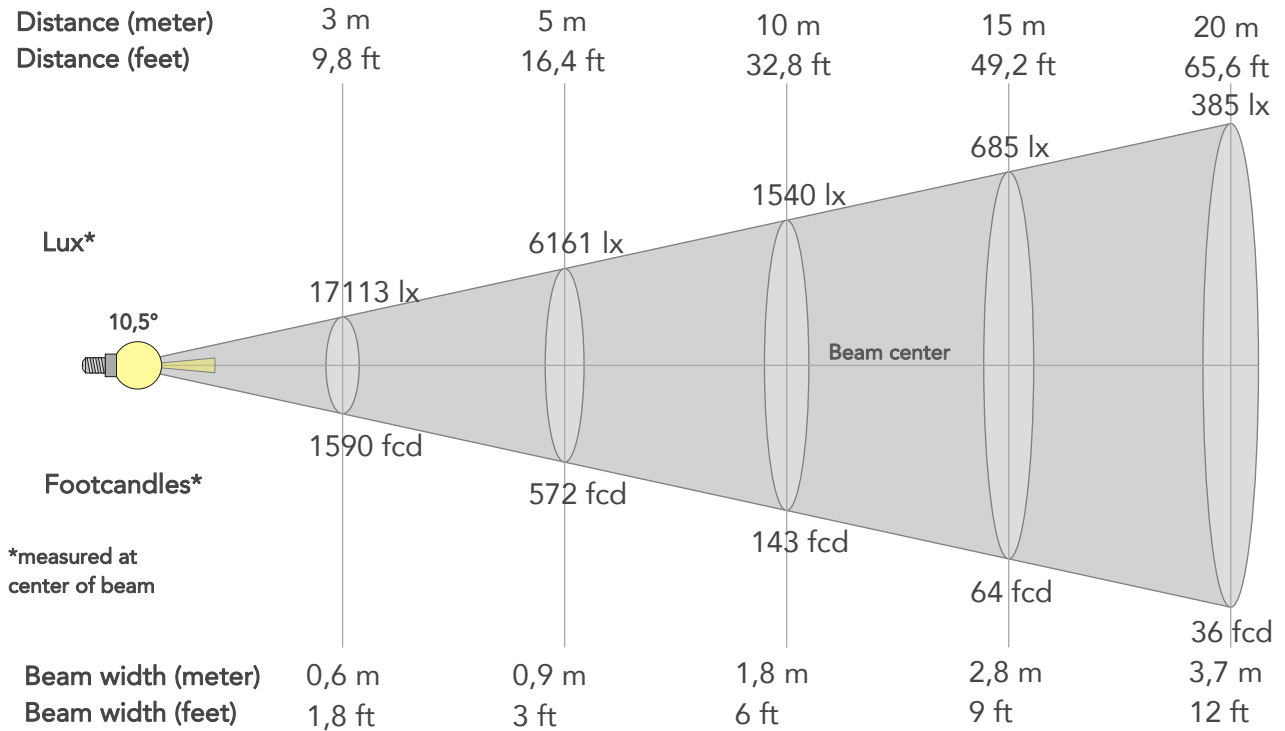
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	1%
7	95	3%	0%
8	95	2%	-1%
9	96	1%	0%
10	96	-1%	1%
11	90	1%	7%
12	89	3%	6%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



# BEAM DETAILS



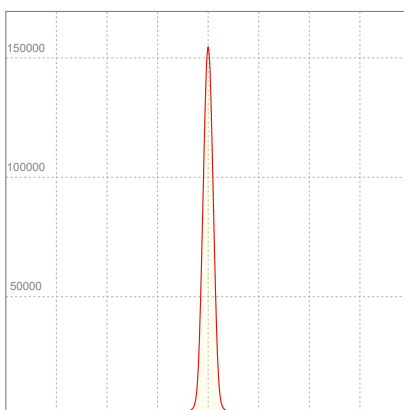
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,8°	25,9°	96,9%	93,3%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	154018lx	38504lx	17113lx	9626lx	6161lx	2738lx	1540lx	685lx	385lx	246lx	171lx	96lx	62lx
Footcand.	14309fcd	3577fcd	1590fcd	894fcd	572fcd	254fcd	143fcd	64fcd	36fcd	23fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,3m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15,1ft	18,1ft	24,1ft	30,1ft

## LINEAR DISTRIBUTION DIAGRAM

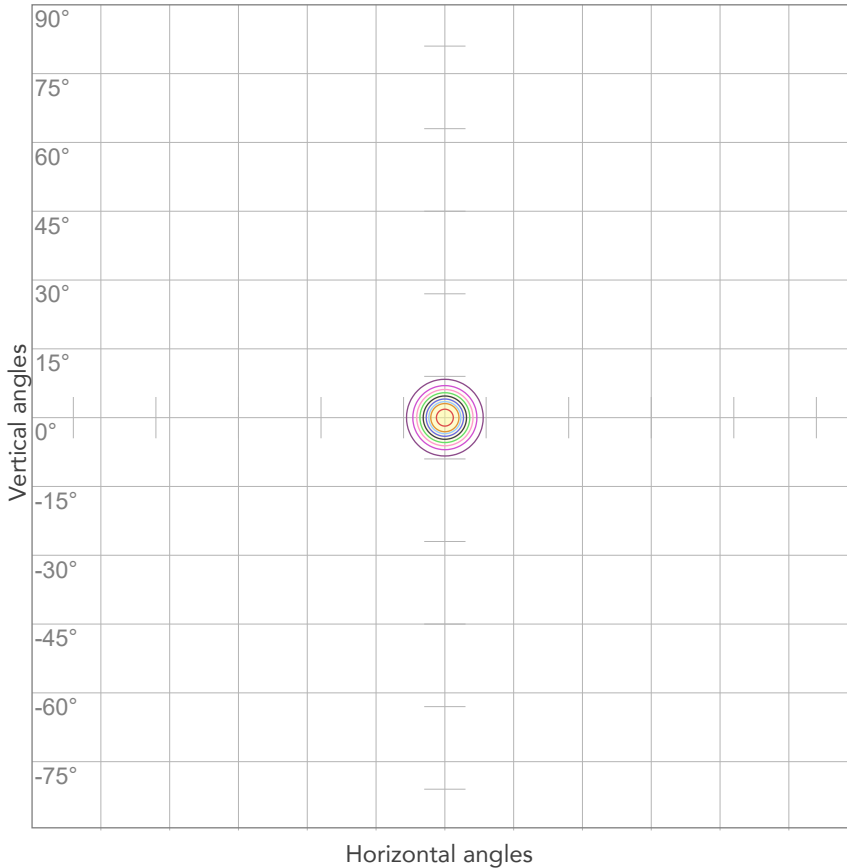


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,585A	129W	0,97	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



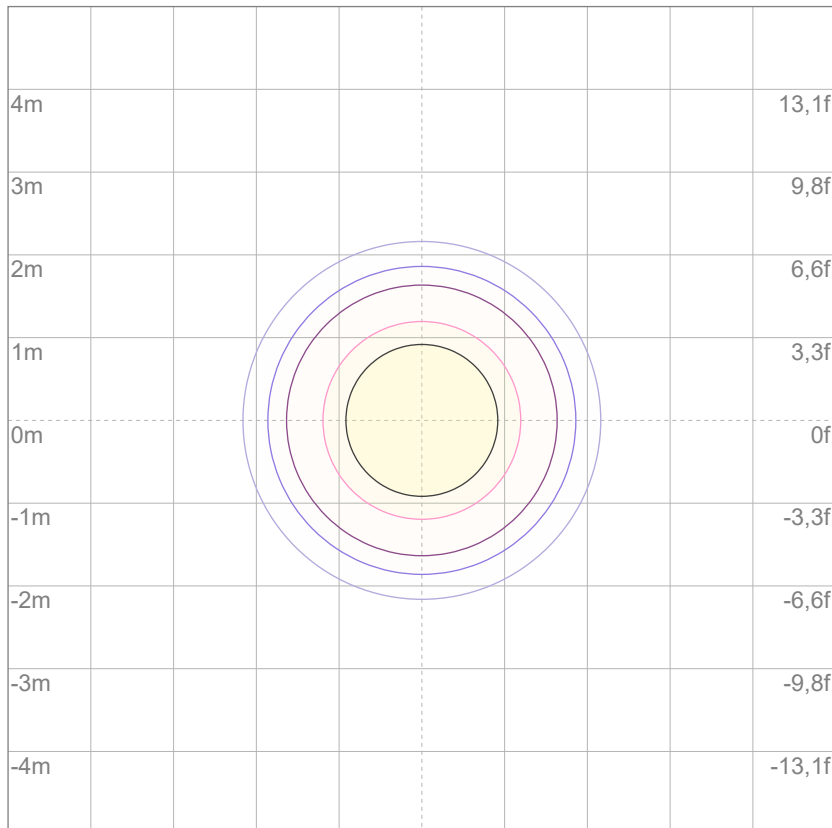
10%	15402 cd
20%	30804 cd
30%	46205 cd
40%	61607 cd
50%	77009 cd
60%	92411 cd
70%	107812 cd
80%	123214 cd

Conditions:

Number of c-planes: 2

Candela at center: 154018 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	46,2 lx
5%	77,0 lx
10%	154 lx
30%	462 lx
50%	770 lx

Conditions:

Number of c-planes: 2

Lux at center: 1540 lx

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



Total lumen output:

7101 lm

Peak candela output:

27913 cd

Light quality:

CRI: 94,0

Color temperature:

4054 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

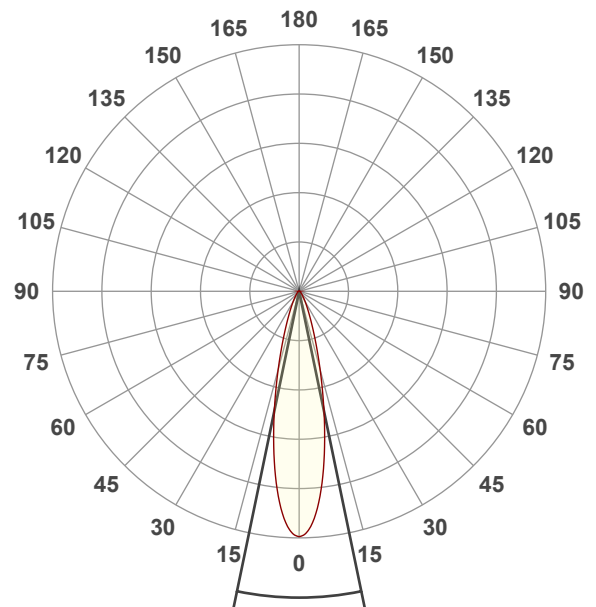
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:37:44

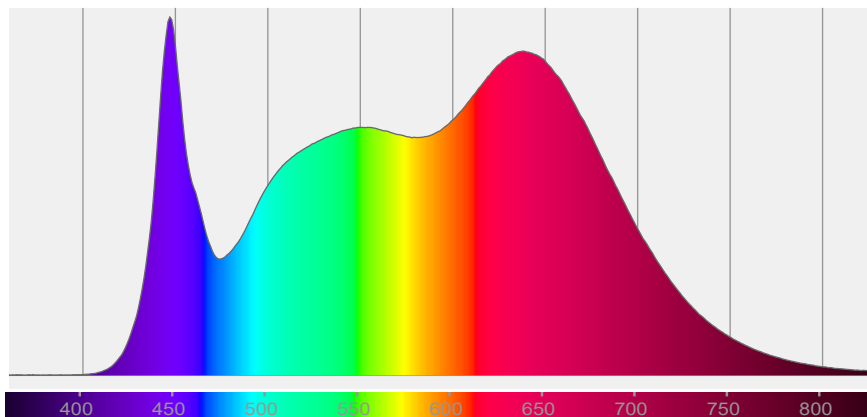


Beam angle 50%: 23,4°

Field angle 10%: 47,6°

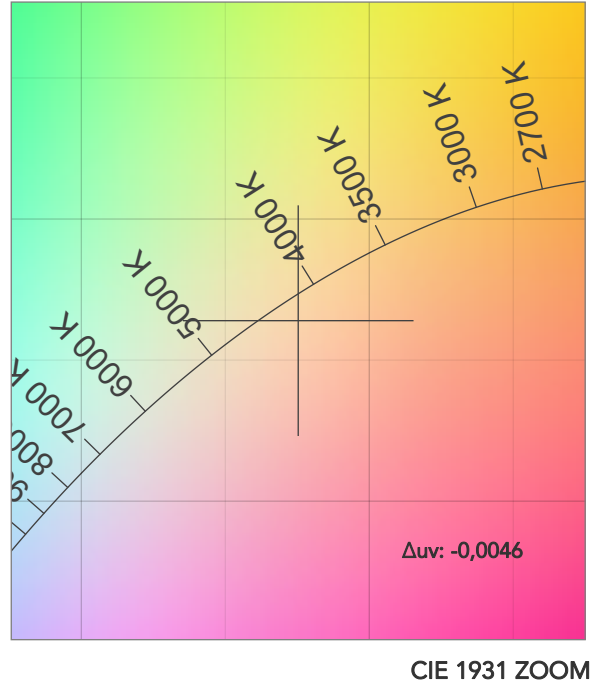
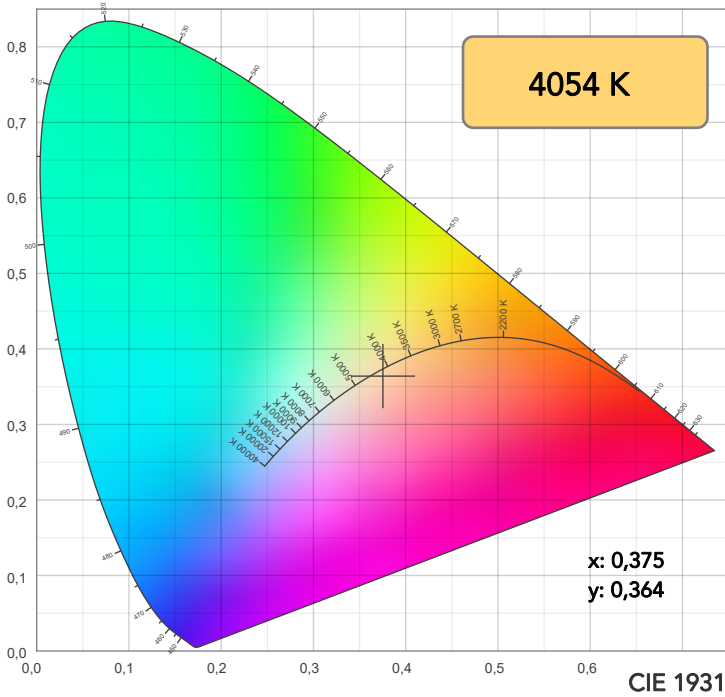
Cut off angle 2.5%: 74,1°

Spectra

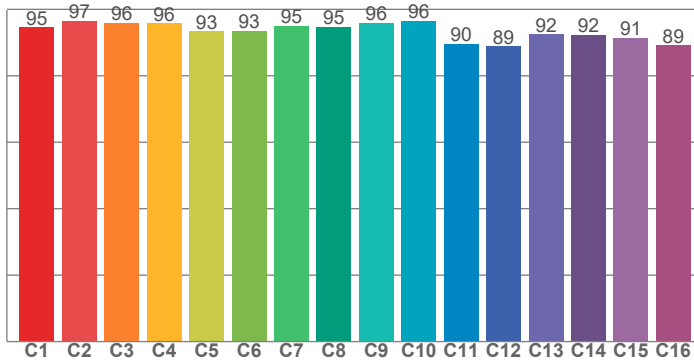




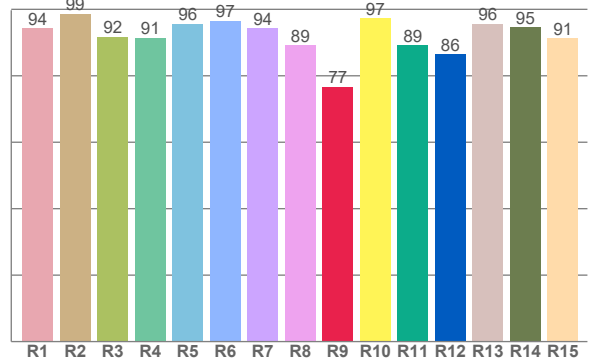
# COLOR DETAILS



**TM30: 93,7**



**CRI: 94,0 (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
94,3	98,7	91,7	91,4	95,6	96,6	94,3	89,2	76,7	97,3	89,2	86,4	95,6	94,6	91,2

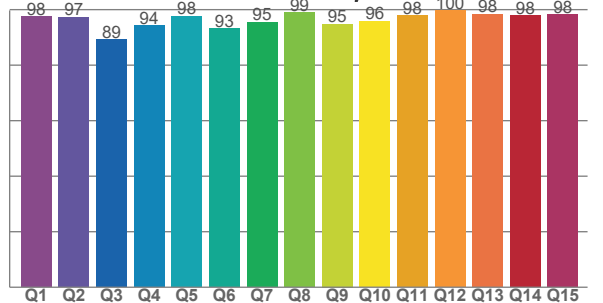
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,6	96,6	95,9	95,8	93,4	93,5	95,1	94,7	96,0	96,5	89,6	88,9	92,4	92,3	91,4	89,2

CQS Q values

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

**CQS: 95,6**



## COLOR PARAMETERS

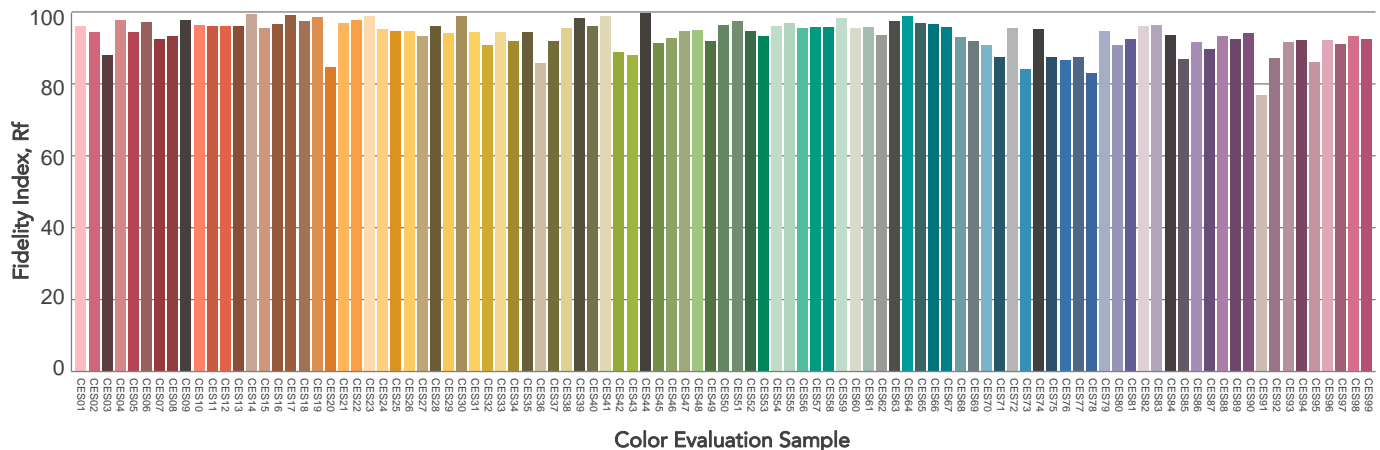
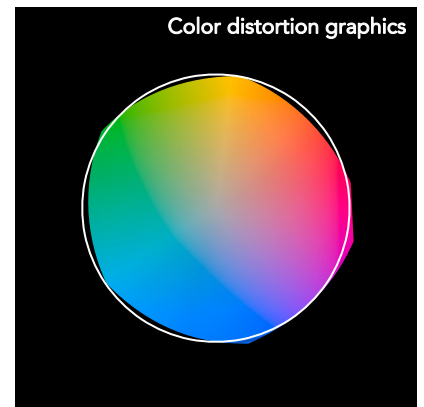
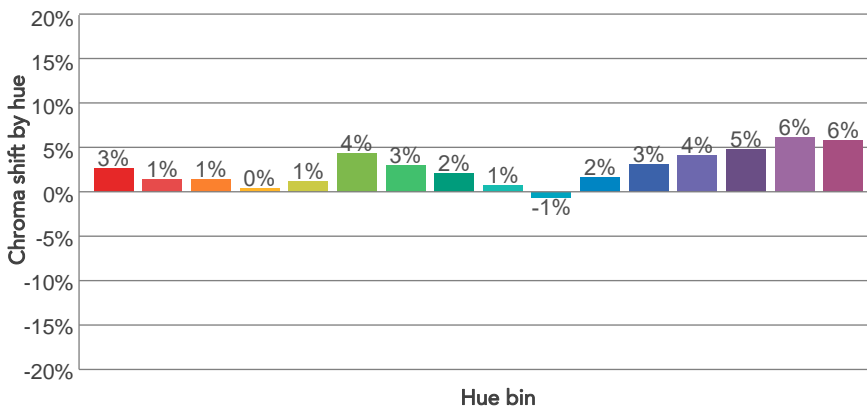
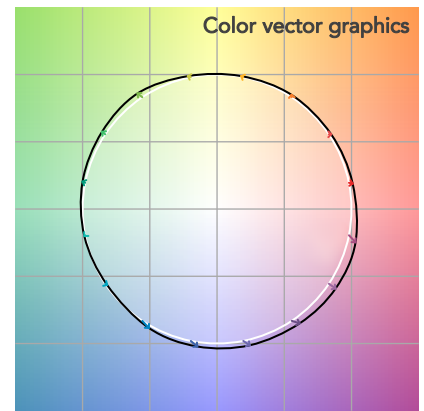
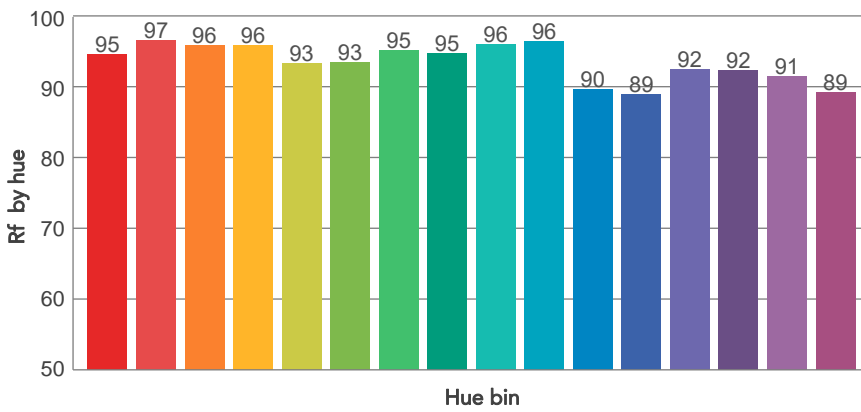
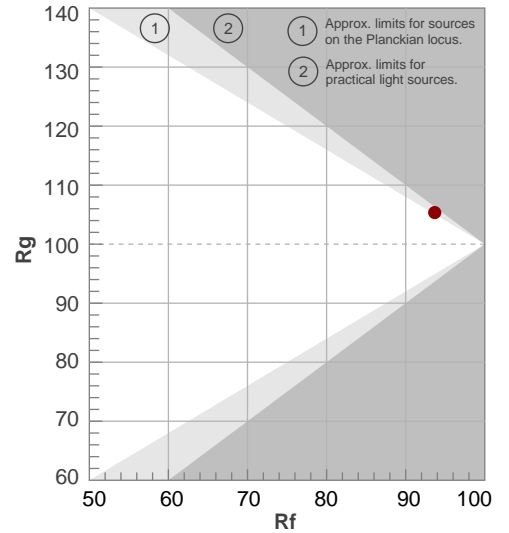
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4054 K	94,0	76,7	93,7	105,4	95,6	97	0,375	0,364	-0,0046

# TM30 DETAILS

**Rf 93,7**  
Fidelity index Rf

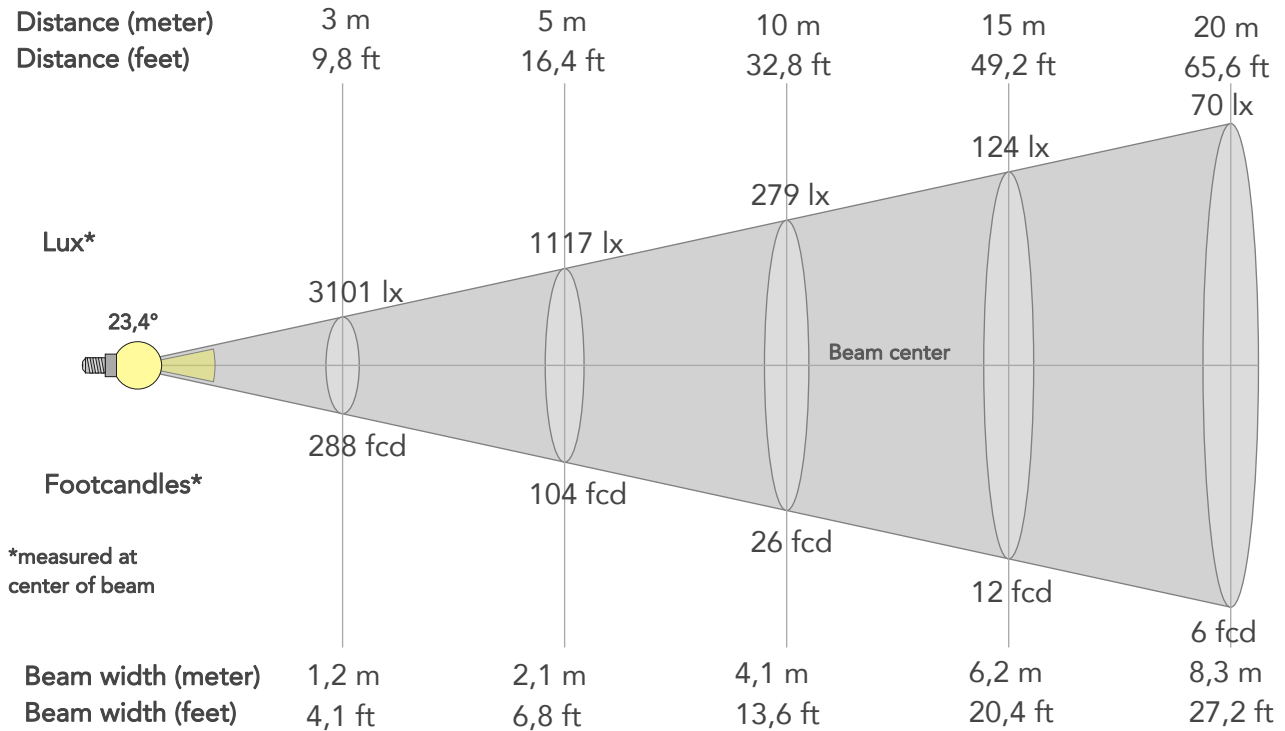
**Rg 105,4**  
Gammut index

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



# BEAM DETAILS

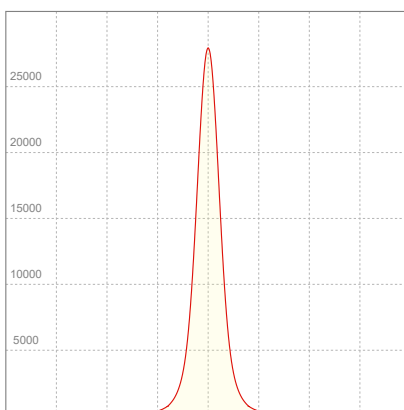
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,6°	74,1°	96,8%	92,0%



## 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	27913lx	6978lx	3101lx	1745lx	1117lx	496lx	279lx	124lx	70lx	45lx	31lx	17lx	11lx
Footcand.	2593fcd	648fcd	288fcd	162fcd	104fcd	46fcd	26fcd	12fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

## LINEAR DISTRIBUTION DIAGRAM

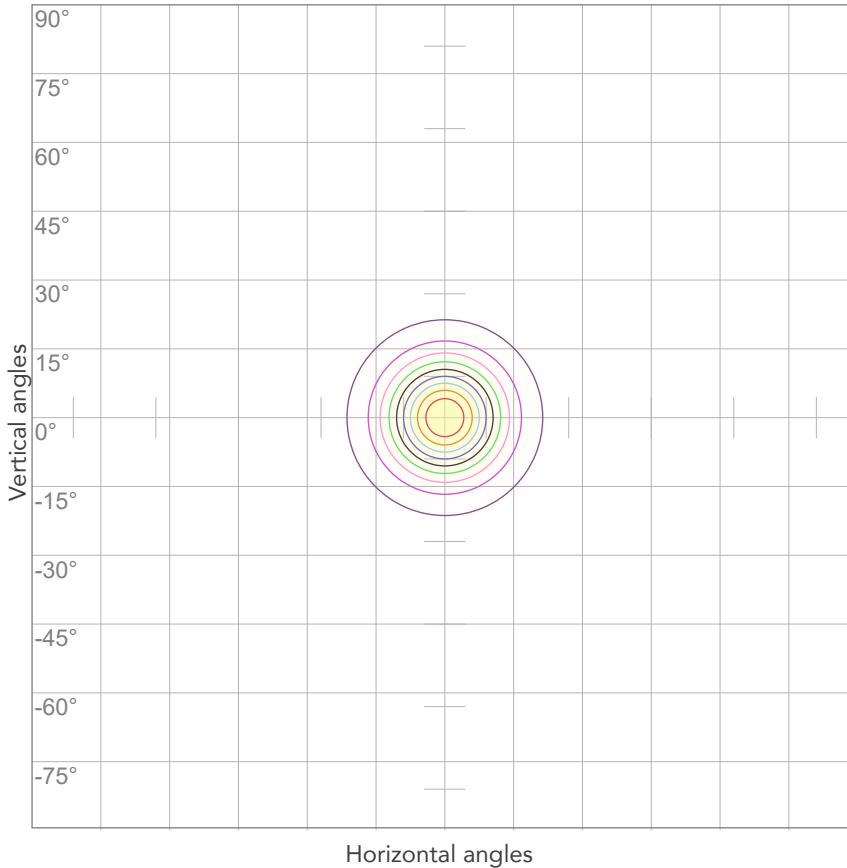


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,580A	127,4W	0,97	56lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



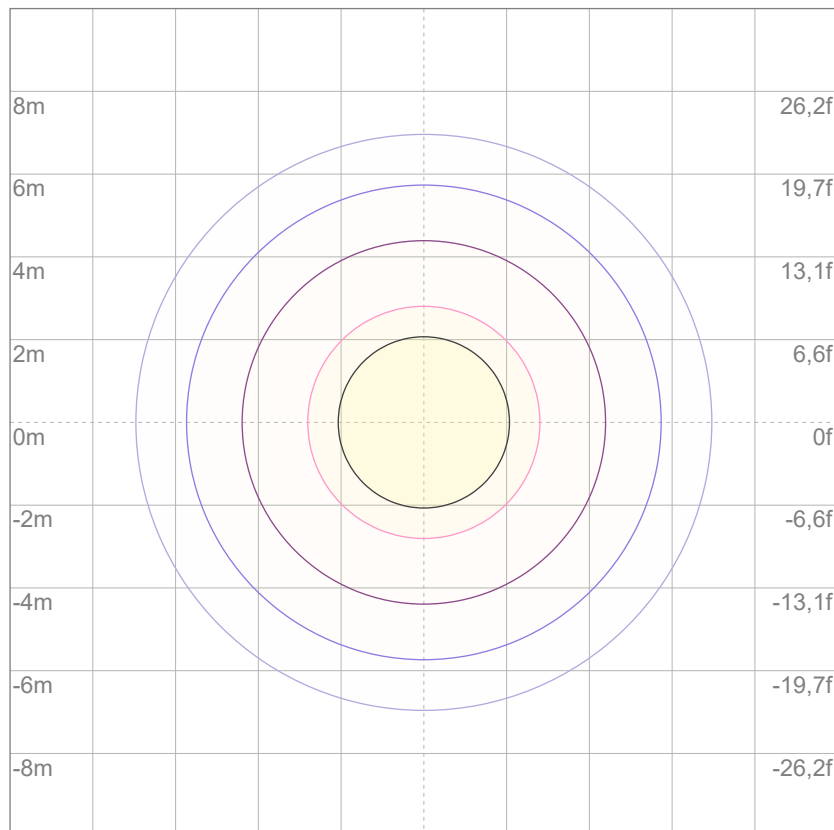
10%	2791 cd
20%	5583 cd
30%	8374 cd
40%	11165 cd
50%	13957 cd
60%	16748 cd
70%	19539 cd
80%	22331 cd

Conditions:

Number of c-planes: 2

Candela at center: 27913 cd

## ISO LUX DIAGRAM



3%	8,37 lx
5%	14,0 lx
10%	27,9 lx
30%	83,7 lx
50%	140 lx

Conditions:

Number of c-planes: 2

Lux at center: 279 lx

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



Total lumen output:

6950 lm

Peak candela output:

8787 cd

Light quality:

CRI: 93,9

Color temperature:

4052 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

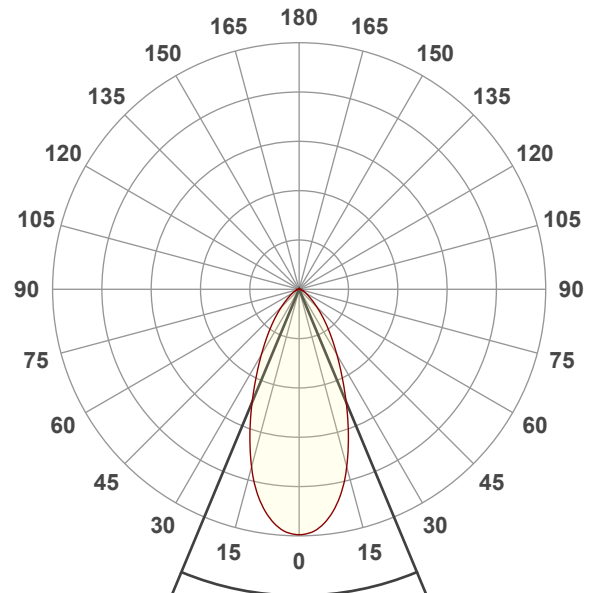
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:56:06

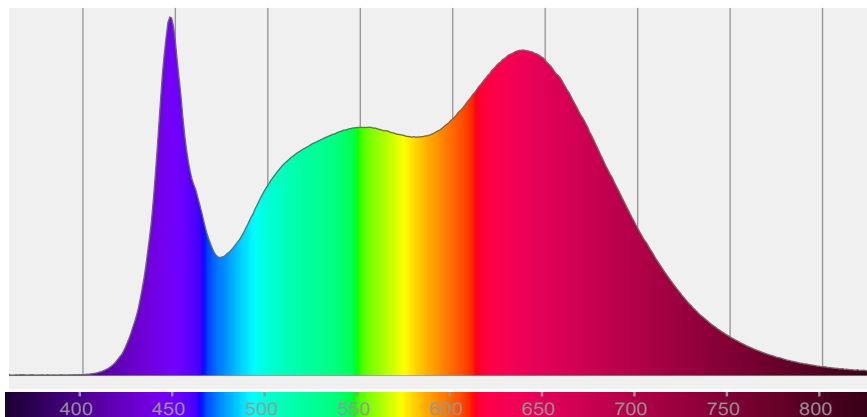


Beam angle 50%: 45,2°

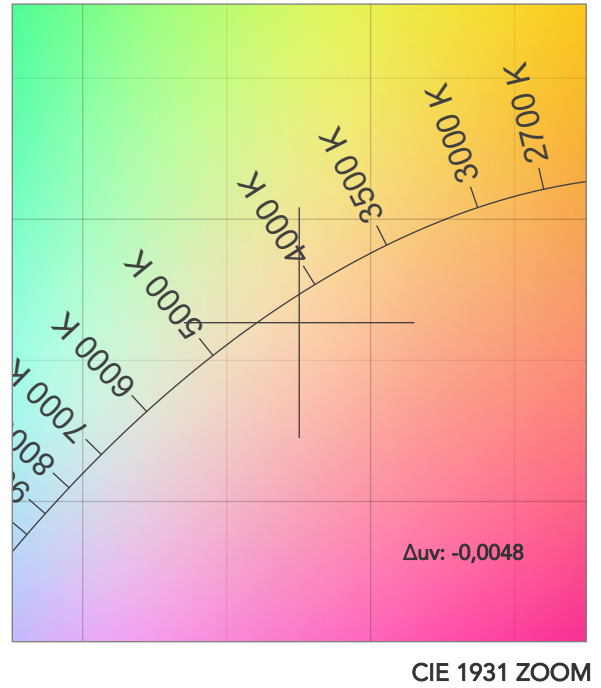
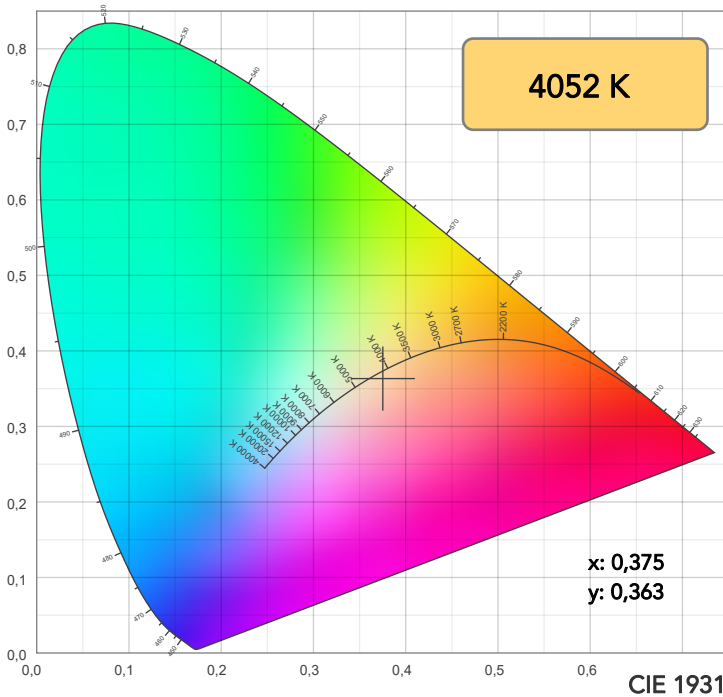
Field angle 10%: 90,8°

Cut off angle 2.5%: 127,1°

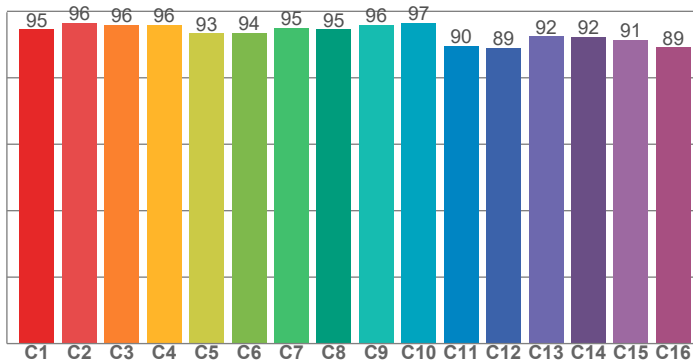
Spectra



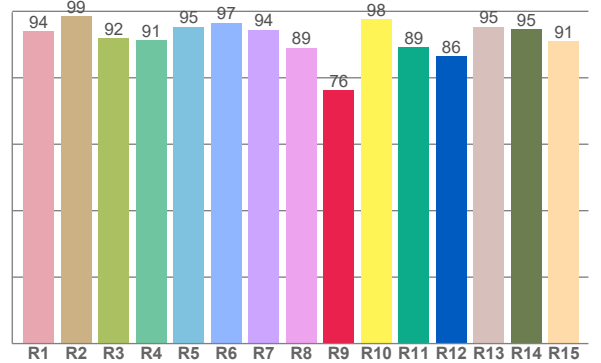
# COLOR DETAILS



TM30: 93,7



CRI: 93,9 (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
94,0	98,5	91,9	91,4	95,4	96,6	94,5	89,1	76,3	97,5	89,1	86,5	95,3	94,7	90,9

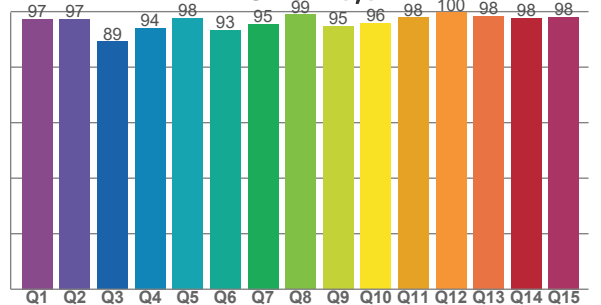
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

CQS: 95,6



## COLOR PARAMETERS

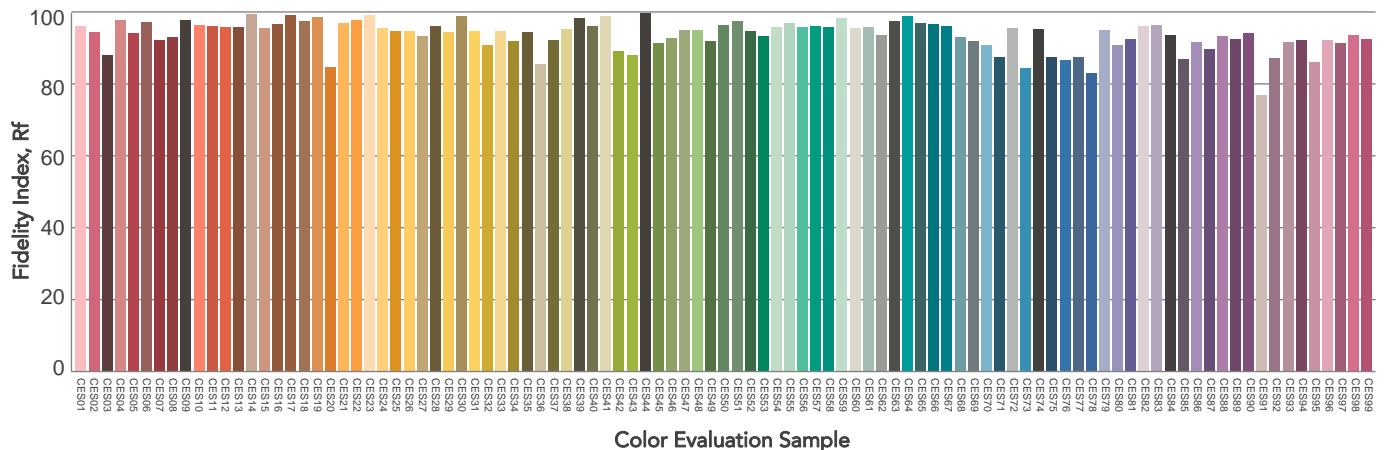
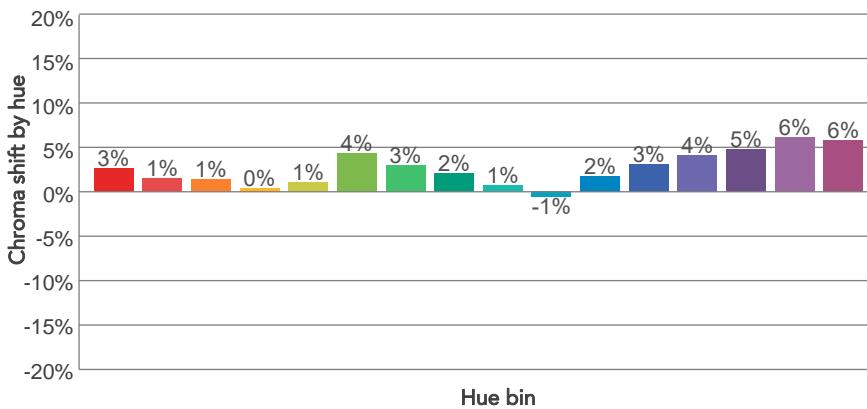
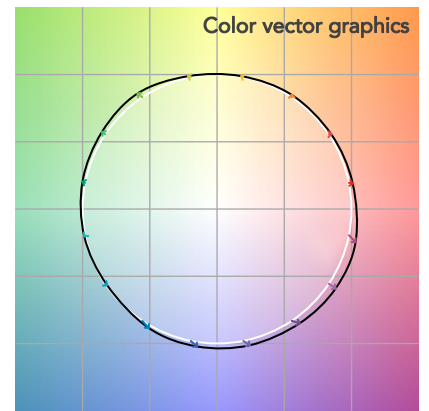
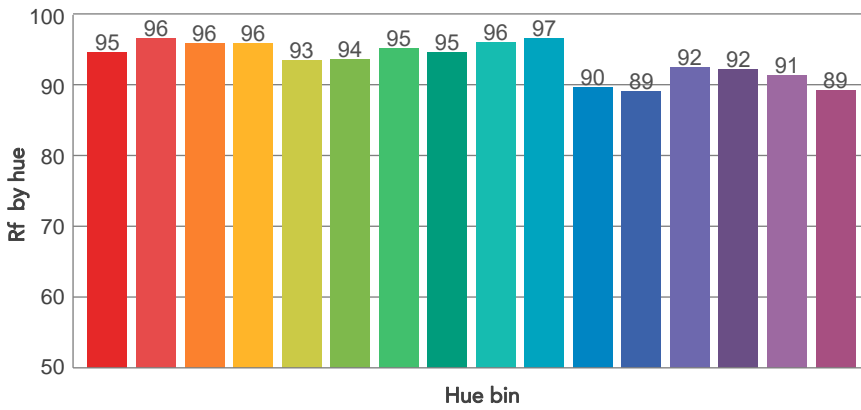
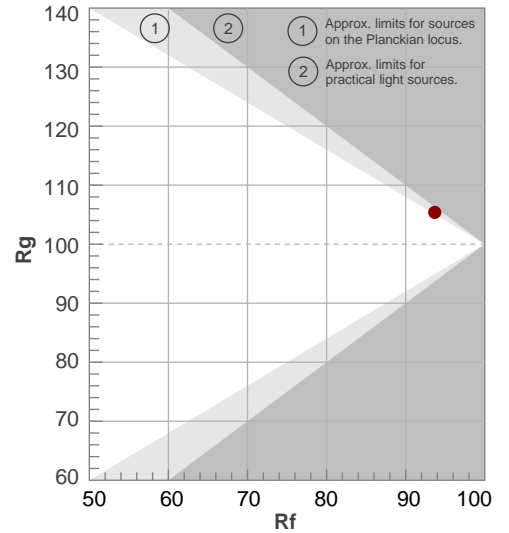
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4052 K	93,9	76,3	93,7	105,4	95,6	97	0,375	0,363	-0,0048

# TM30 DETAILS

**Rf 93,7**  
Fidelity index Rf

**Rg 105,4**  
Gammut index

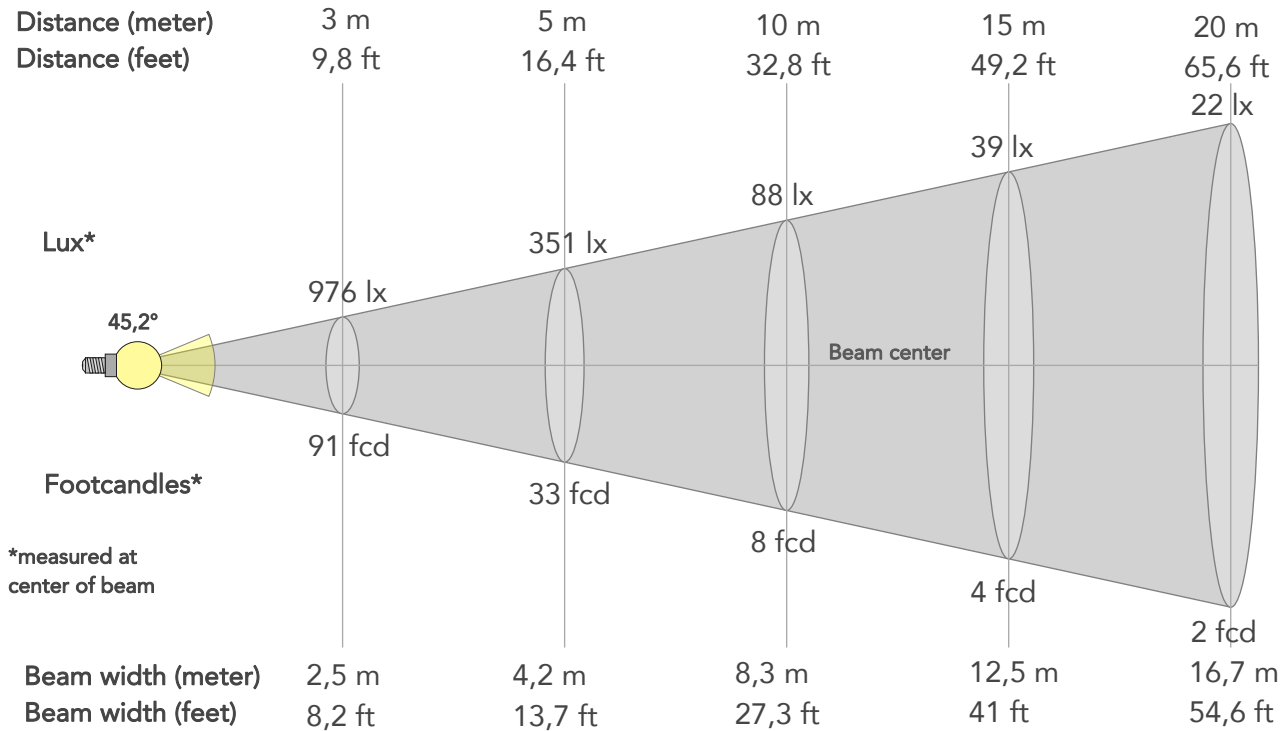
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	96	1%	-1%
3	96	1%	1%
4	96	0%	2%
5	93	1%	2%
6	94	4%	1%
7	95	3%	0%
8	95	2%	0%
9	96	1%	1%
10	97	-1%	2%
11	90	2%	7%
12	89	3%	5%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



# BEAM DETAILS



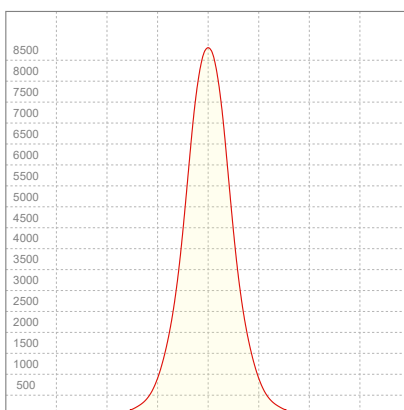
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127,1°	95,4%	85,9%



## 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	8787lx	2197lx	976lx	549lx	351lx	156lx	88lx	39lx	22lx	14lx	10lx	5lx	4lx
Footcand.	816fcd	204fcd	91fcd	51fcd	33fcd	15fcd	8fcd	4fcd	2fcd	1fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,7m	20,8m	25m	33,3m	41,7m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,3ft	41ft	54,6ft	68,3ft	82ft	109,3ft	136,6ft

## LINEAR DISTRIBUTION DIAGRAM



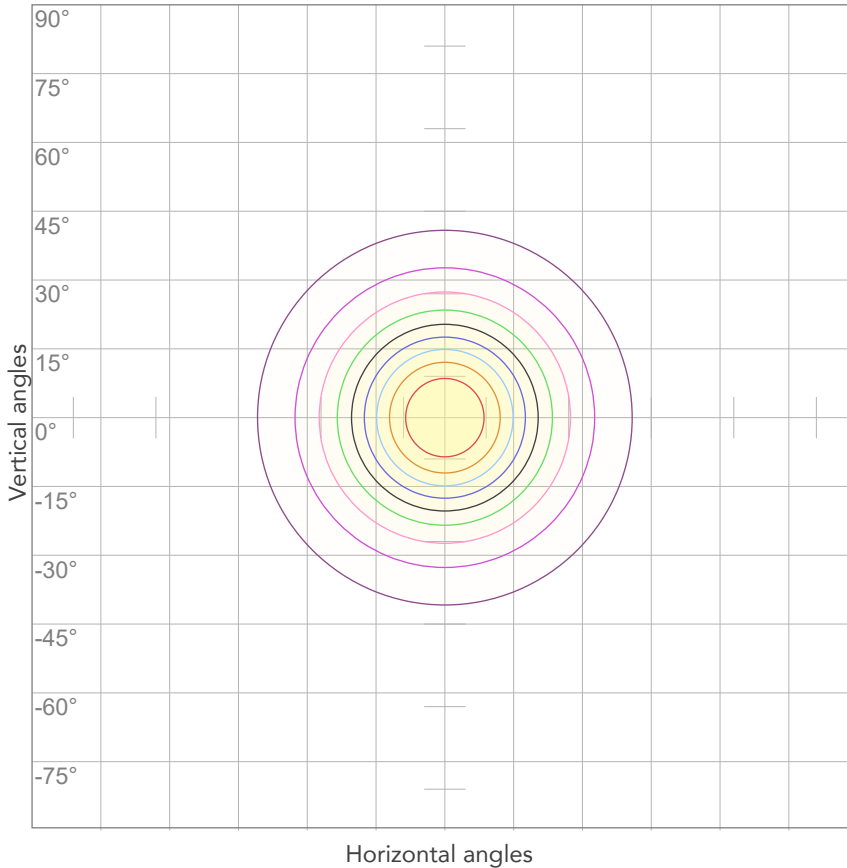
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,578A	127W	0,97	55lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



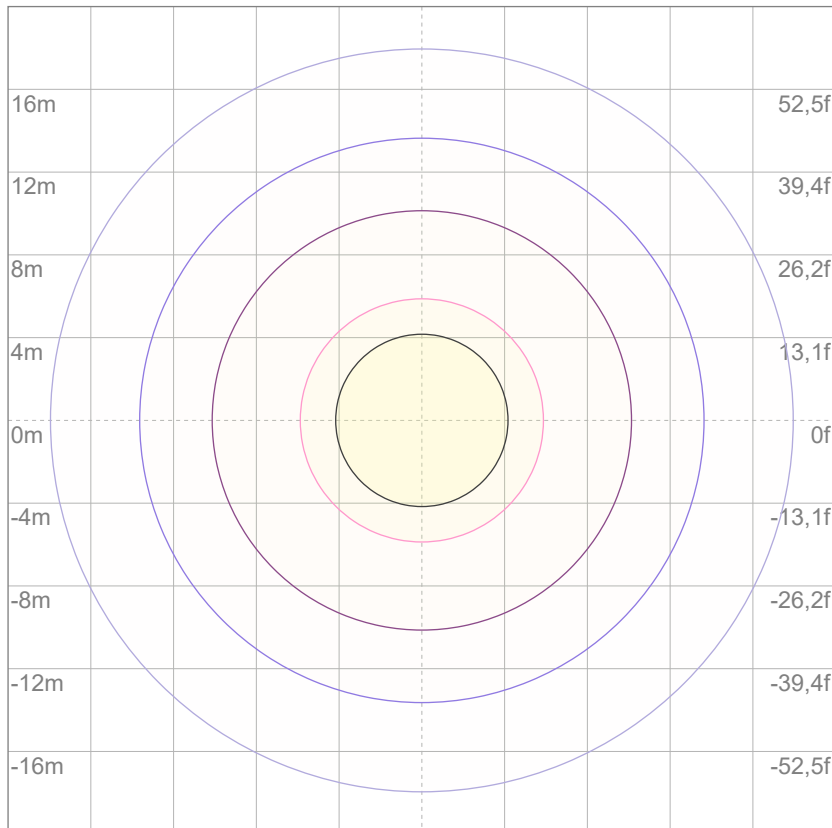
10%	879 cd
20%	1757 cd
30%	2636 cd
40%	3515 cd
50%	4393 cd
60%	5272 cd
70%	6151 cd
80%	7029 cd

Conditions:

Number of c-planes: 2

Candela at center: 8787 cd

## ISO LUX DIAGRAM



3%	2,64 lx
5%	4,39 lx
10%	8,79 lx
30%	26,4 lx
50%	43,9 lx

Conditions:

Number of c-planes: 2

Lux at center: 87,9 lx

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



Total lumen output:

6828 lm

Peak candela output:

6129 cd

Light quality:

CRI: 94,0

Color temperature:

4050 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

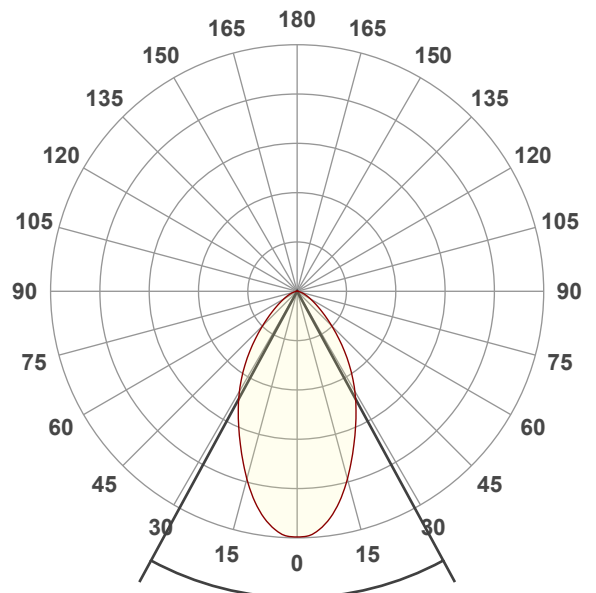
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:36:56

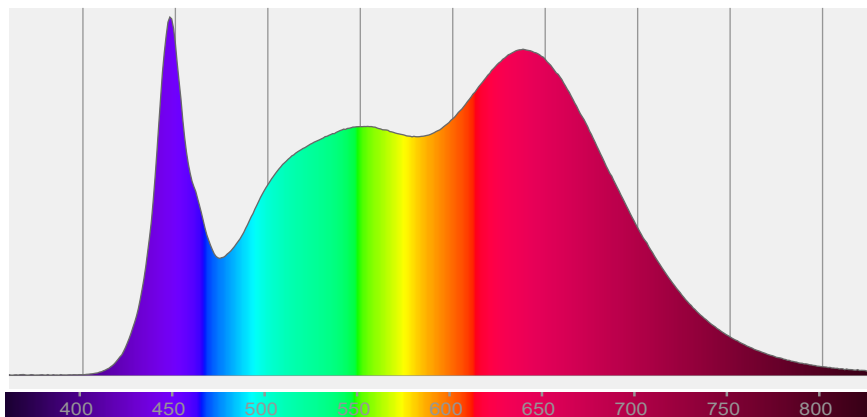


Beam angle 50%: 57°

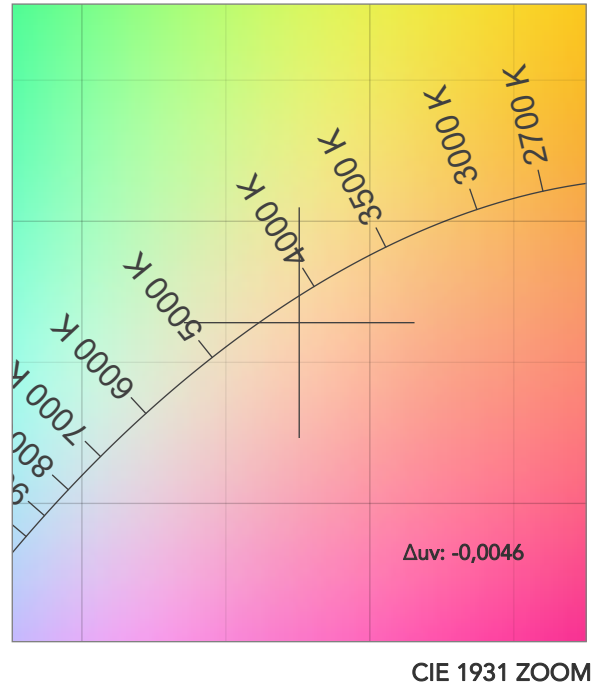
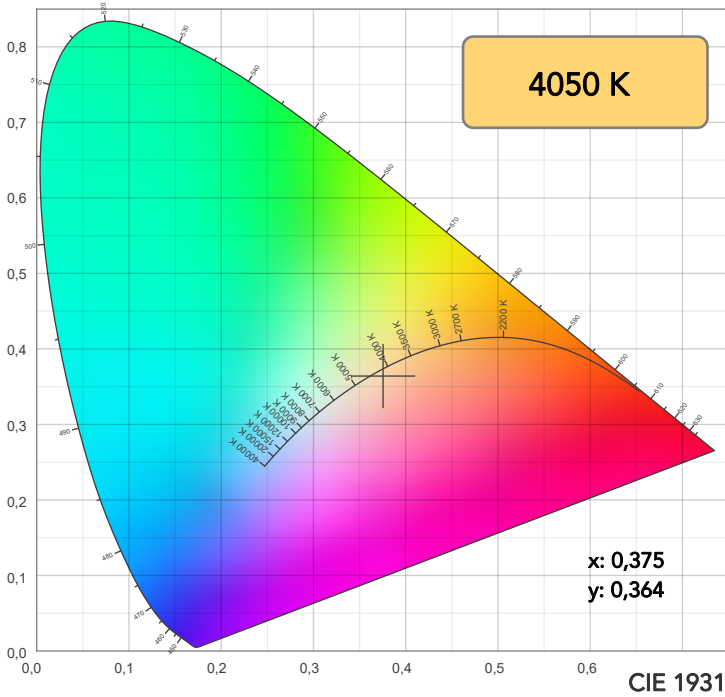
Field angle 10%: 108,4°

Cut off angle 2.5%: 142,3°

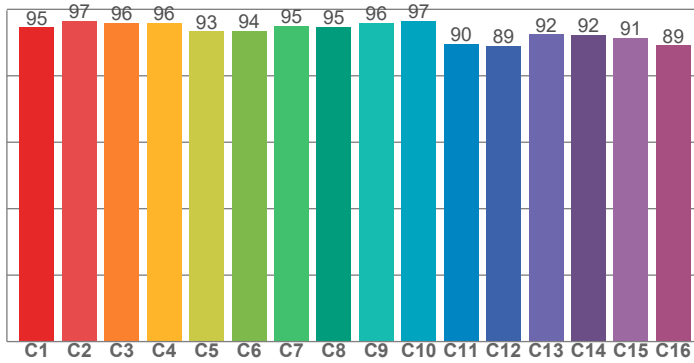
**Spectra**



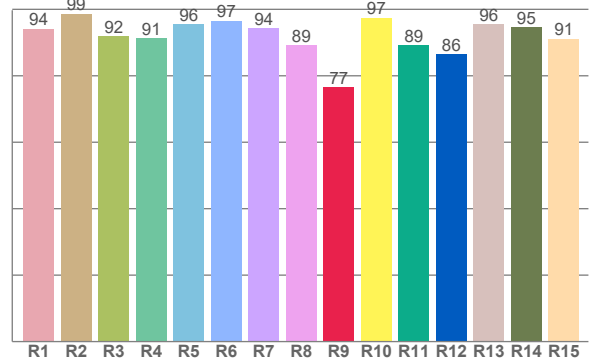
# COLOR DETAILS



**TM30: 93,7**



**CRI: 94,0 (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
94,2	98,6	91,8	91,4	95,5	96,6	94,4	89,1	76,5	97,4	89,2	86,4	95,5	94,7	91,1

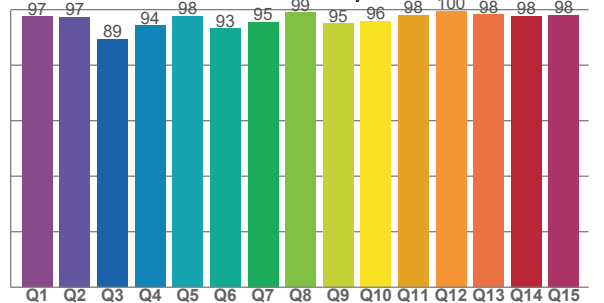
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

**CQS: 95,6**



## COLOR PARAMETERS

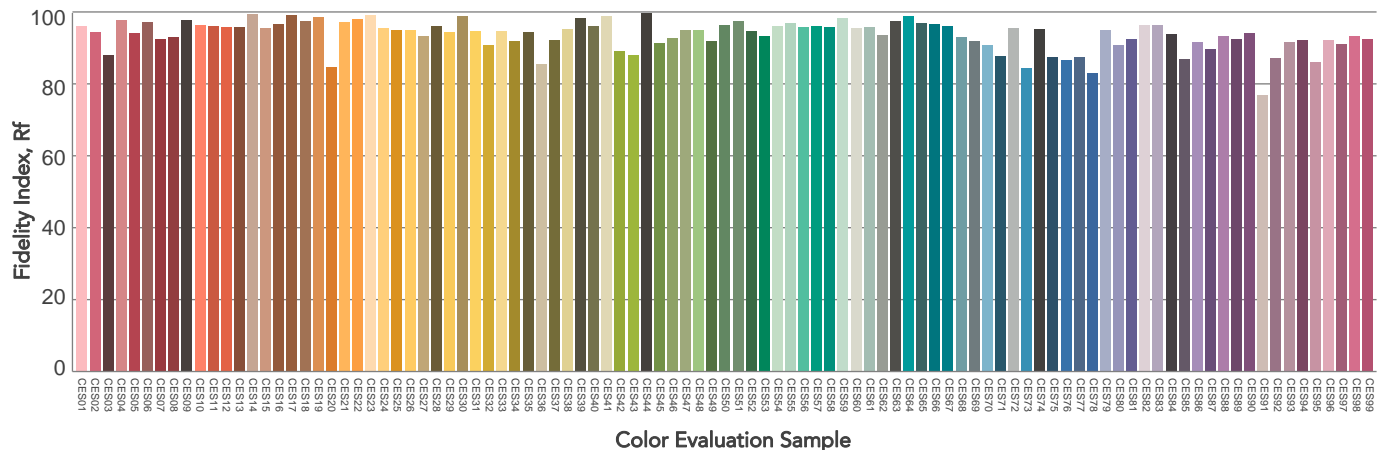
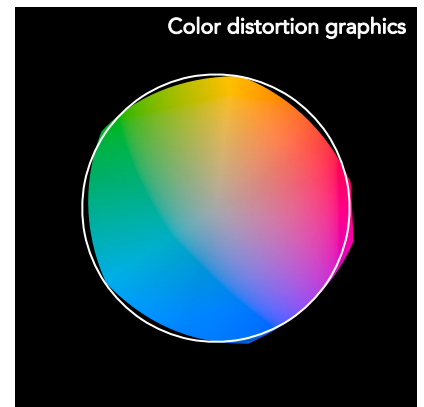
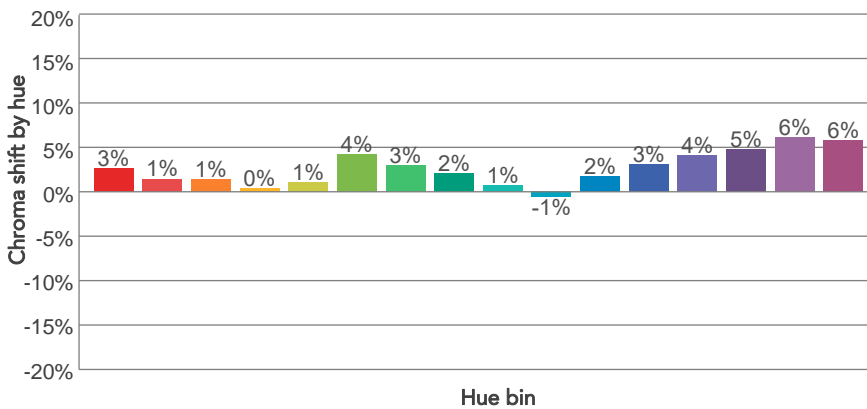
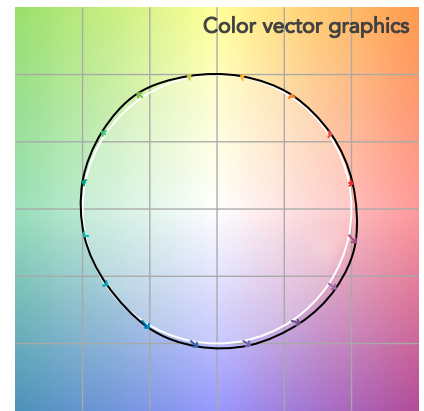
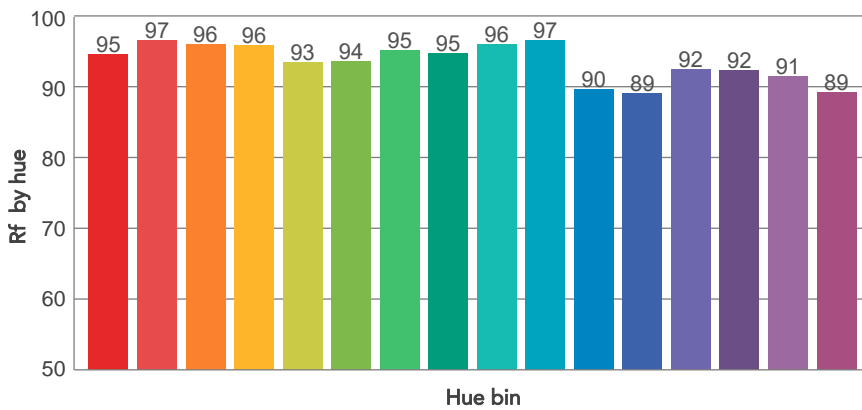
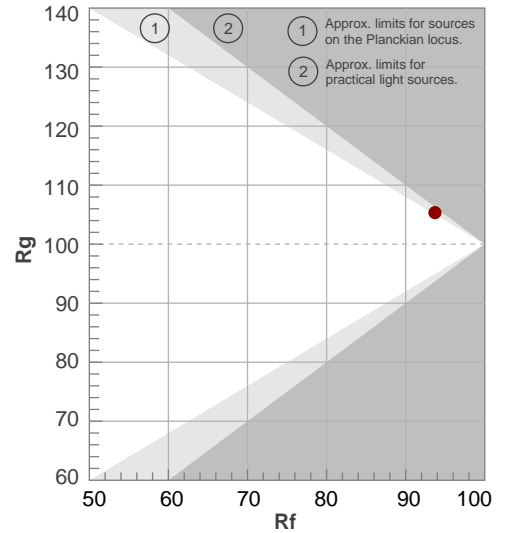
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4050 K	94,0	76,5	93,7	105,3	95,6	97	0,375	0,364	-0,0046

# TM30 DETAILS

**Rf 93,7**  
Fidelity index Rf

**Rg 105,3**  
Gammut index

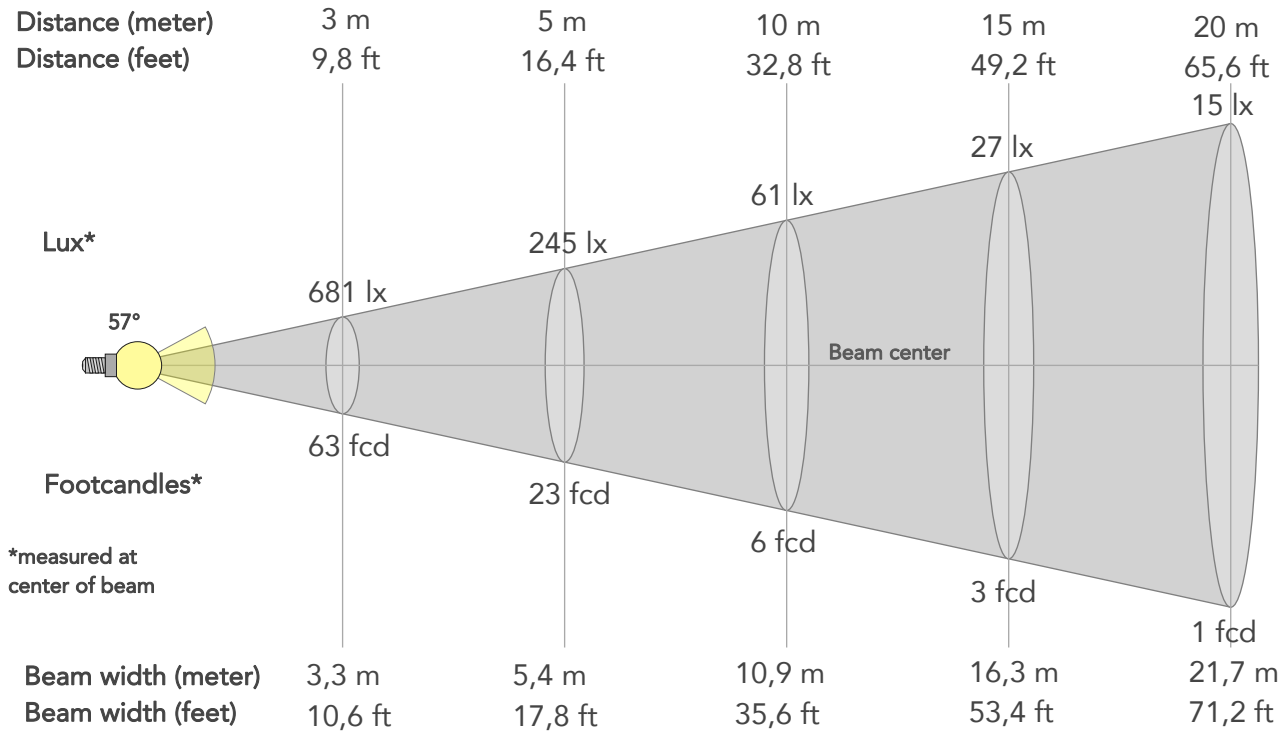
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	0%	2%
5	93	1%	2%
6	94	4%	1%
7	95	3%	0%
8	95	2%	0%
9	96	1%	1%
10	97	-1%	2%
11	90	2%	7%
12	89	3%	5%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



# BEAM DETAILS



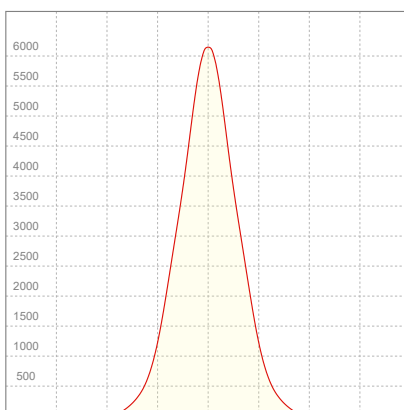
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57°	108,4°	142,3°	93,9%	80,2%



## 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	6129lx	1532lx	681lx	383lx	245lx	109lx	61lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	569fcd	142fcd	63fcd	36fcd	23fcd	10fcd	6fcd	3fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,3m	5,4m	8,1m	10,9m	16,3m	21,7m	27,1m	32,6m	43,4m	54,3m
Beam wid.	3,6ft	7,2ft	10,6ft	14,2ft	17,8ft	26,7ft	35,6ft	53,4ft	71,2ft	89ft	106,8ft	142,4ft	178ft

## LINEAR DISTRIBUTION DIAGRAM

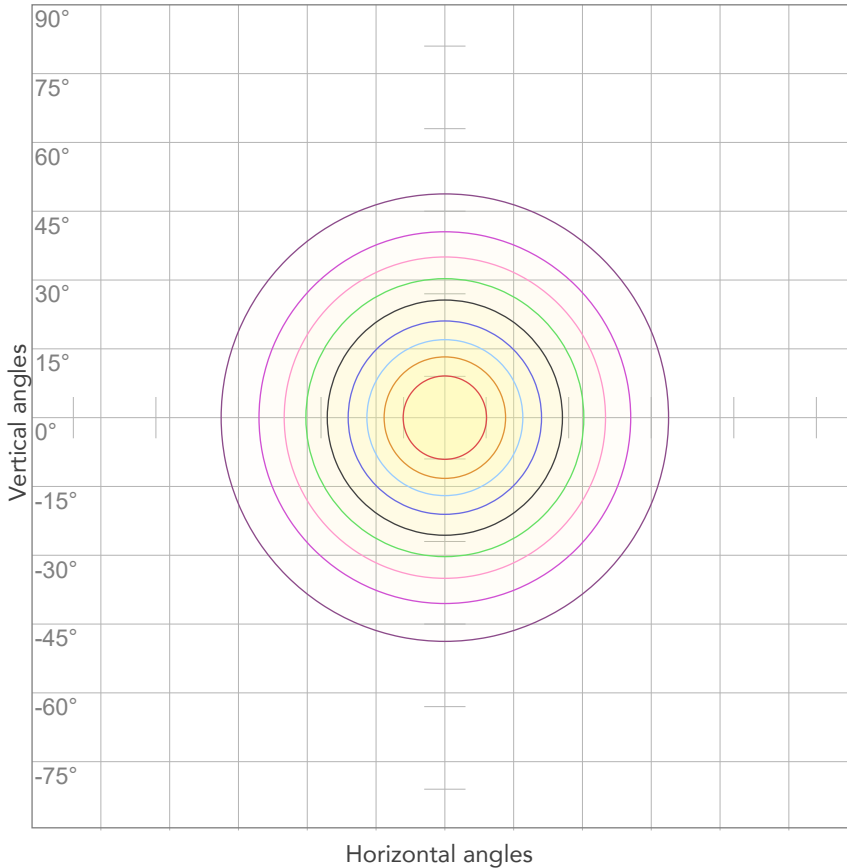


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,583A	127,3W	0,97	54lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



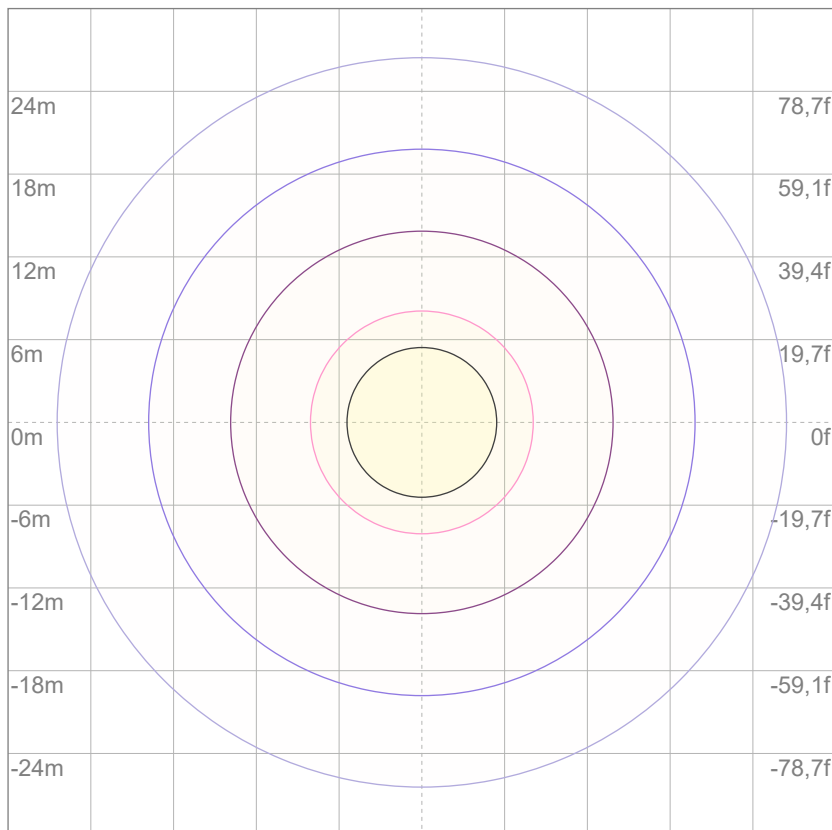
10%	613 cd
20%	1226 cd
30%	1839 cd
40%	2452 cd
50%	3065 cd
60%	3678 cd
70%	4291 cd
80%	4904 cd

Conditions:

Number of c-planes: 2

Candela at center: 6129 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,84 lx
5%	3,06 lx
10%	6,13 lx
30%	18,4 lx
50%	30,6 lx

Conditions:

Number of c-planes: 2

Lux at center: 61,3 lx

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



Total lumen output:

10283 lm

Peak candela output:

21456 cd

Light quality:

CRI: 94,0

Color temperature:

4030 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 10°x60° Filter

Target:

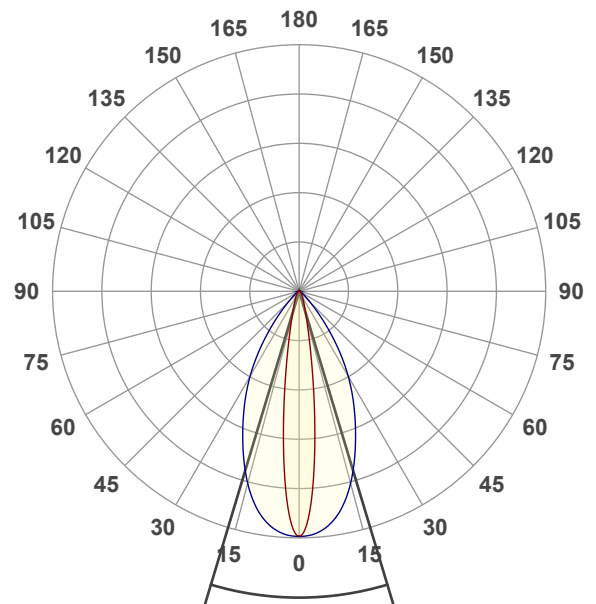
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 16:29:06

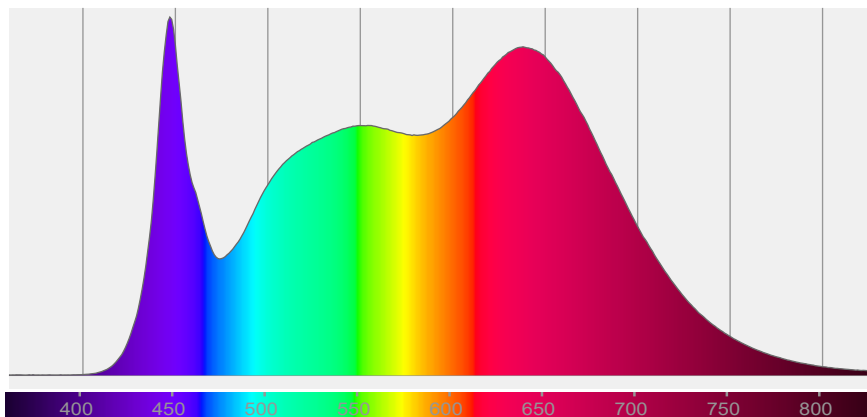


Beam angle 50%: 33,5°

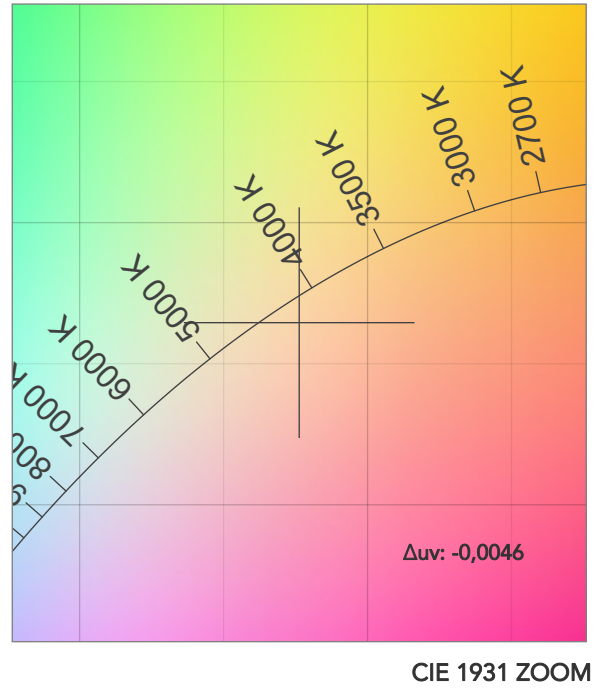
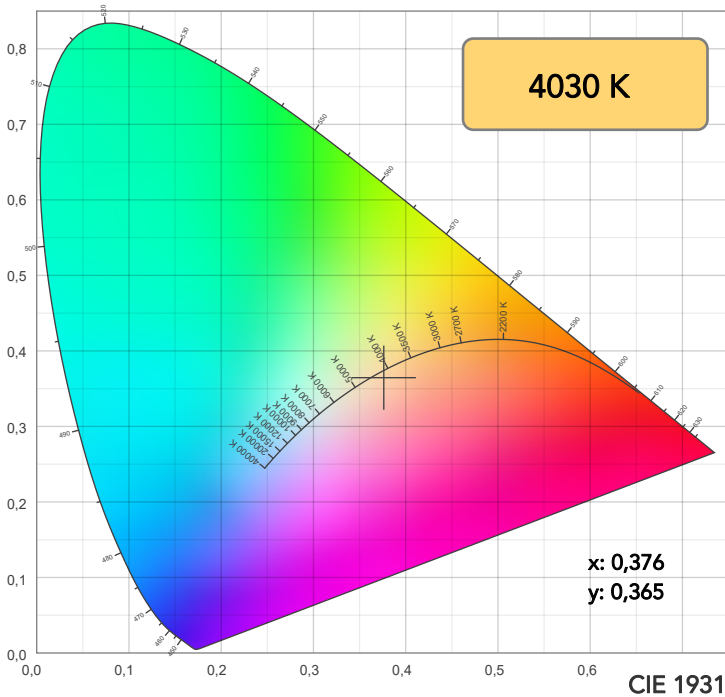
Field angle 10%: 58,4°

Cut off angle 2.5%: 84,2°

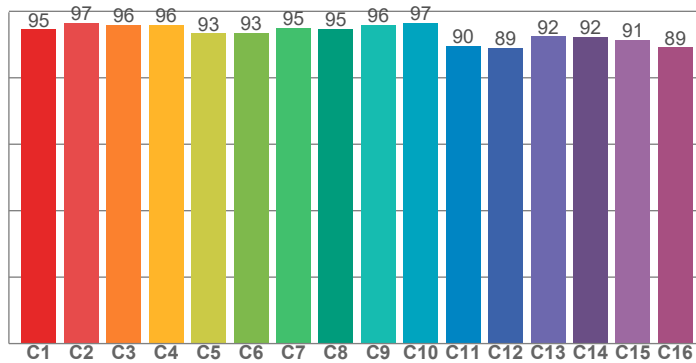
Spectra



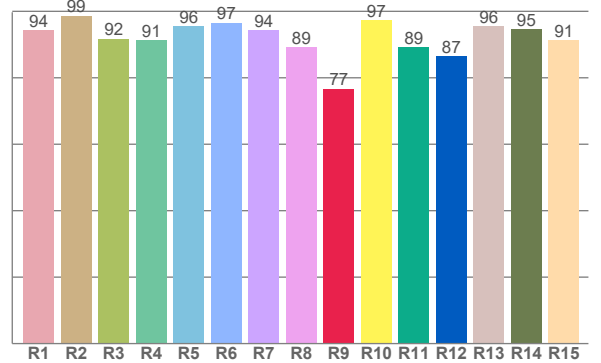
# COLOR DETAILS



**TM30: 93,7**



**CRI: 94,0 (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
94,3	98,6	91,8	91,4	95,6	96,6	94,3	89,1	76,7	97,4	89,2	86,6	95,6	94,6	91,2

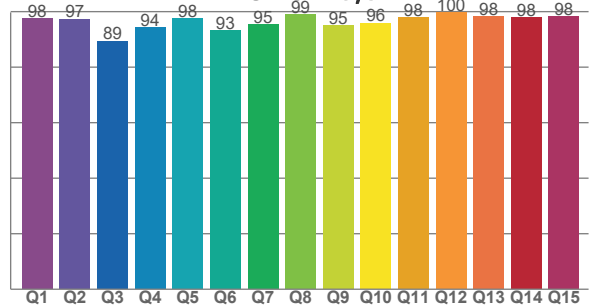
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

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

**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
4030 K	94,0	76,7	93,7	105,4	95,6	97	0,376	0,365	-0,0046

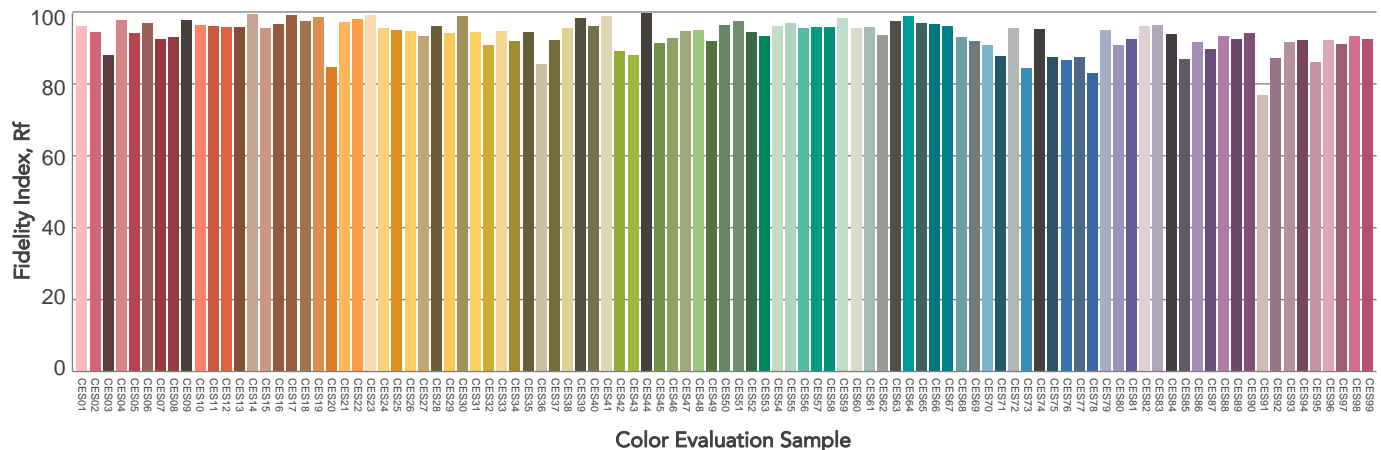
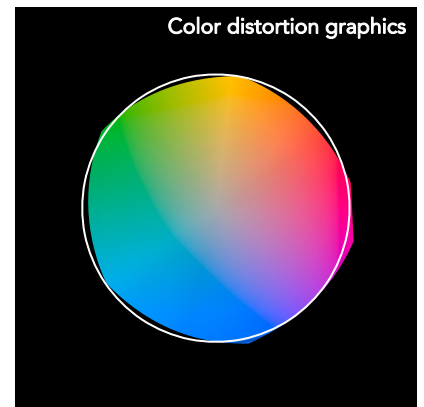
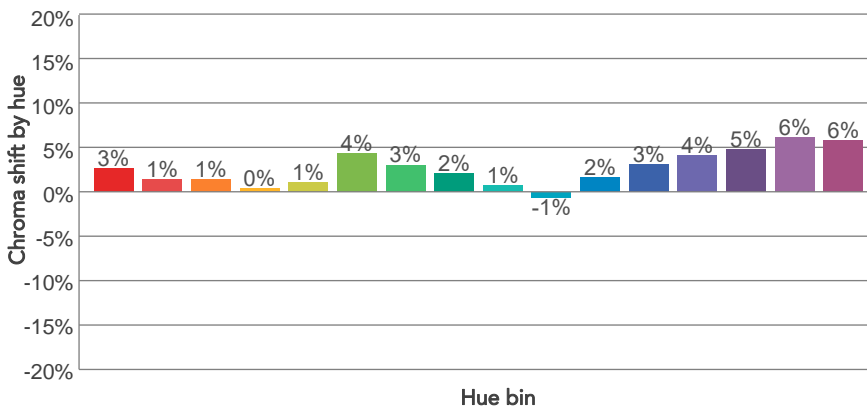
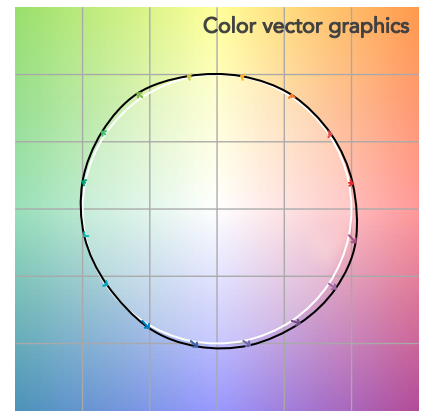
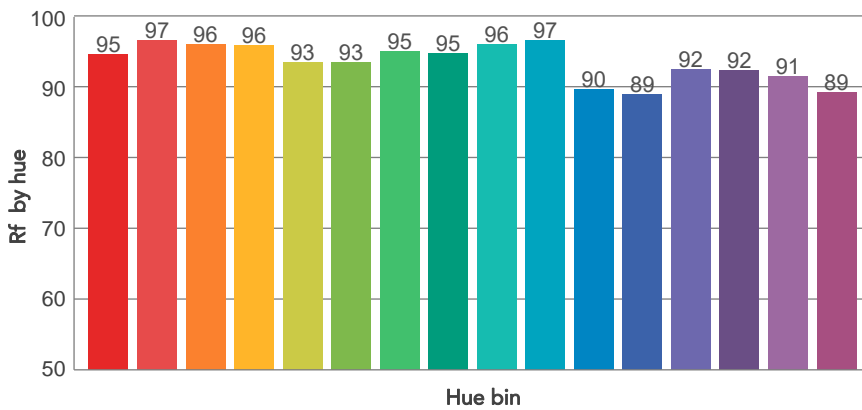
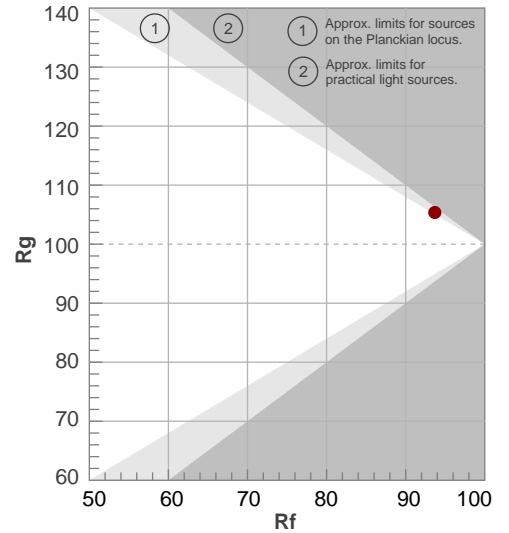


# TM30 DETAILS

**Rf 93,7**  
Fidelity index Rf

**Rg 105,4**  
Gammut index

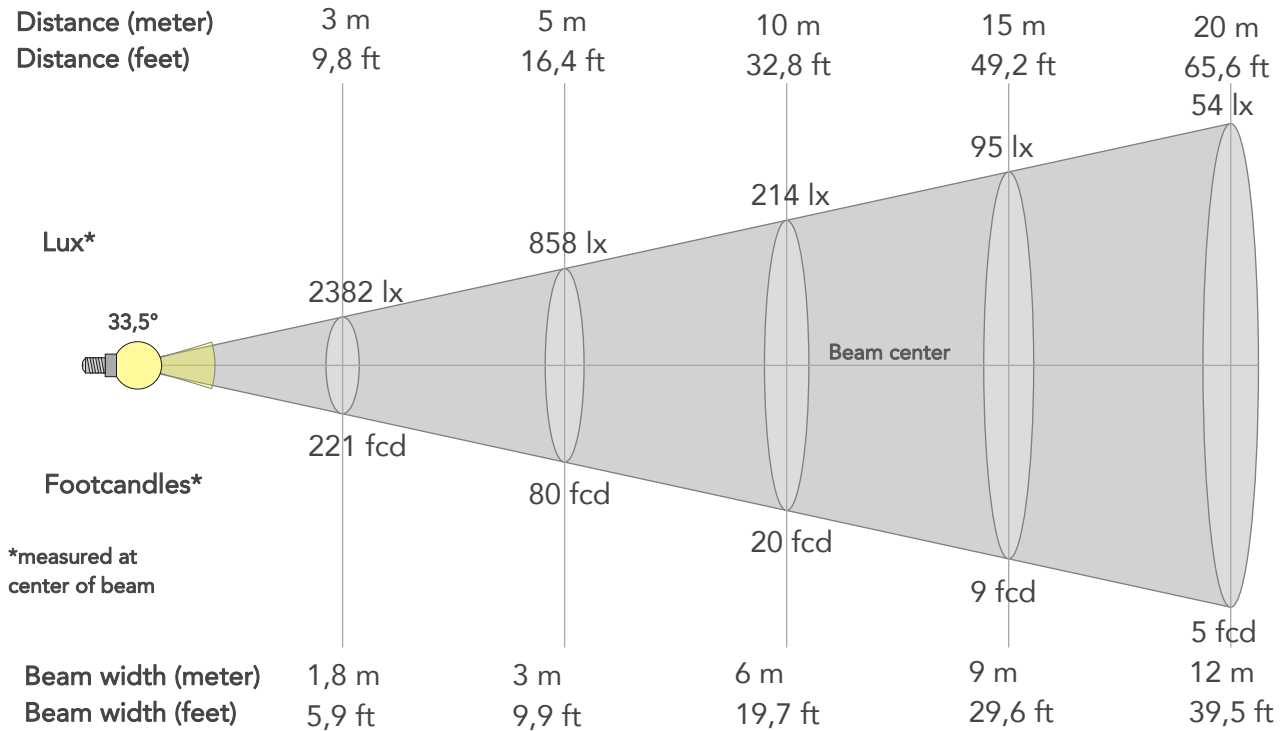
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	3%	-1%
2	97	1%	-1%
3	96	1%	1%
4	96	0%	2%
5	93	1%	2%
6	93	4%	1%
7	95	3%	0%
8	95	2%	0%
9	96	1%	1%
10	97	-1%	1%
11	90	2%	7%
12	89	3%	5%
13	92	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



# BEAM DETAILS



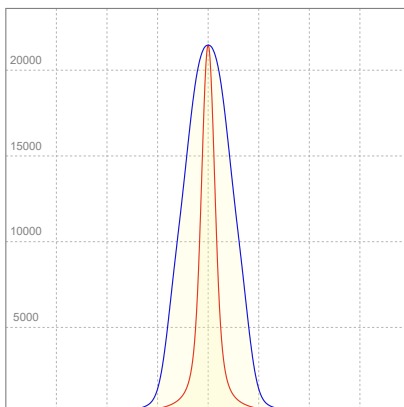
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	58,4°	84,2°	97,5%	92,4%



## 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	21441lx	5360lx	2382lx	1340lx	858lx	381lx	214lx	95lx	54lx	34lx	24lx	13lx	9lx
Footcand.	1992fcd	498fcd	221fcd	124fcd	80fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24,1m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,7ft	29,6ft	39,5ft	49,3ft	59,2ft	78,9ft	98,7ft

## LINEAR DISTRIBUTION DIAGRAM

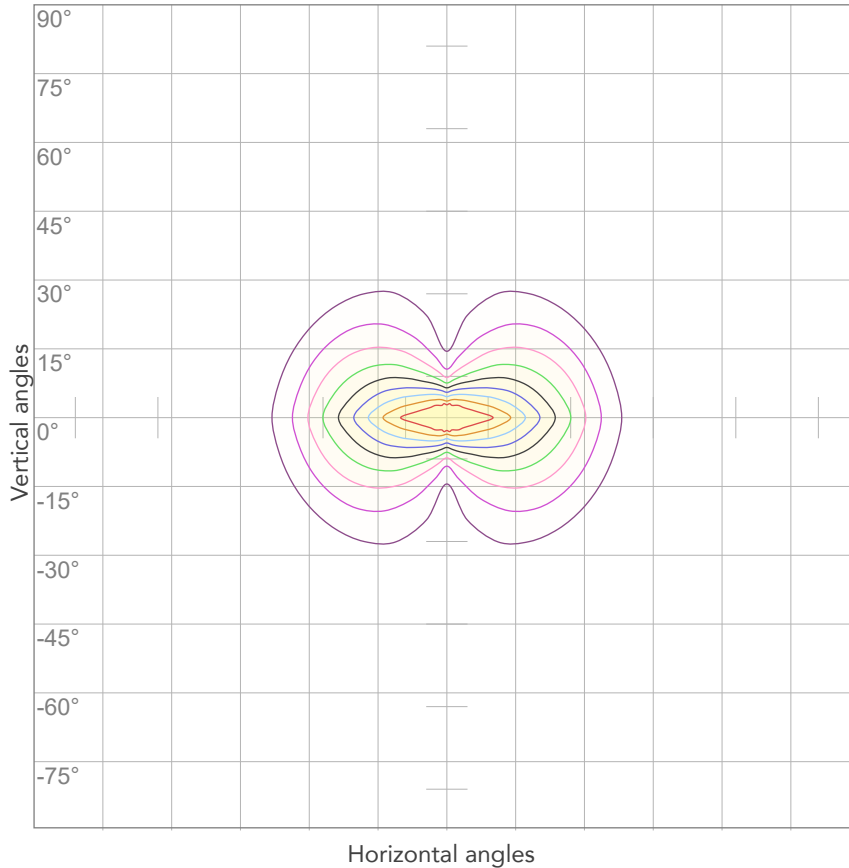


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
223V	0,586A	127,5W	0,97	81lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



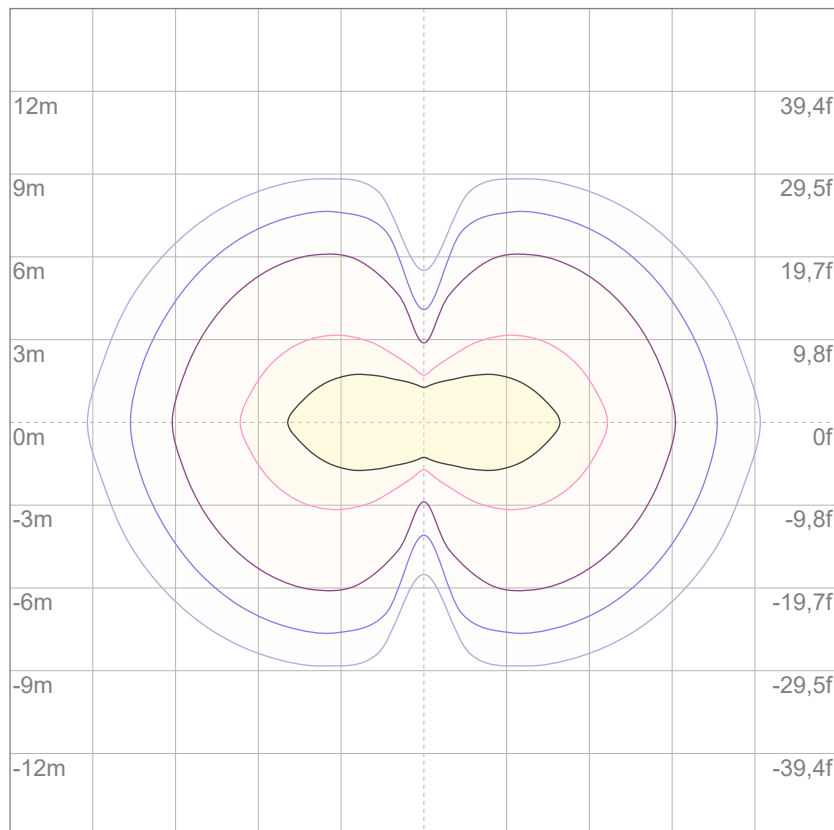
10%	2144 cd
20%	4288 cd
30%	6432 cd
40%	8577 cd
50%	10721 cd
60%	12865 cd
70%	15009 cd
80%	17153 cd

### Conditions:

Number of c-planes: 4

Candela at center: 21441 cd

## ISO LUX DIAGRAM



3%	6,43 lx
5%	10,7 lx
10%	21,4 lx
30%	64,3 lx
50%	107 lx

### Conditions:

Number of c-planes: 4

Lux at center: 214 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:

7386 lm

Peak candela output:

10794 cd

Light quality:

CRI: 93,8

Color temperature:

4036 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 30°x60° Filter

Target:

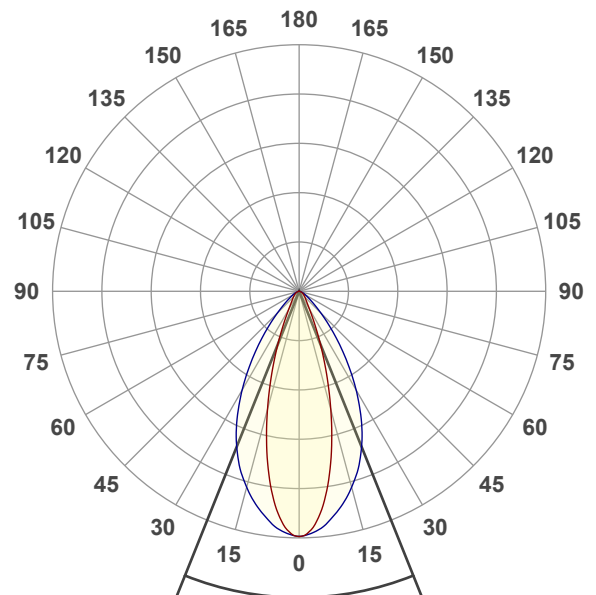
4000K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 17:12:01

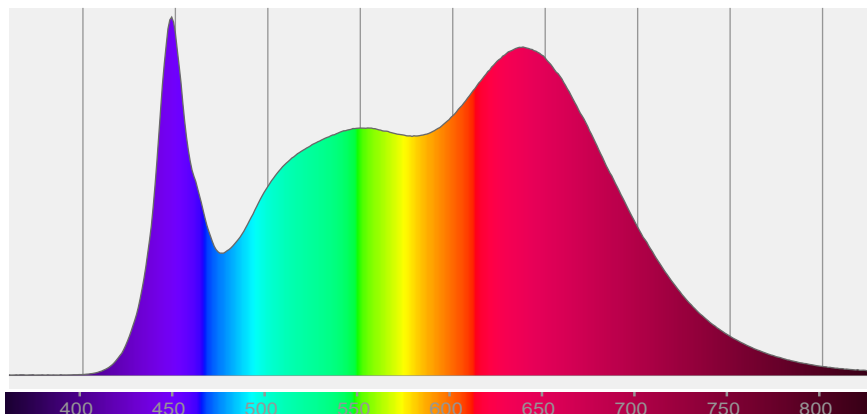


Beam angle 50%: 43,8°

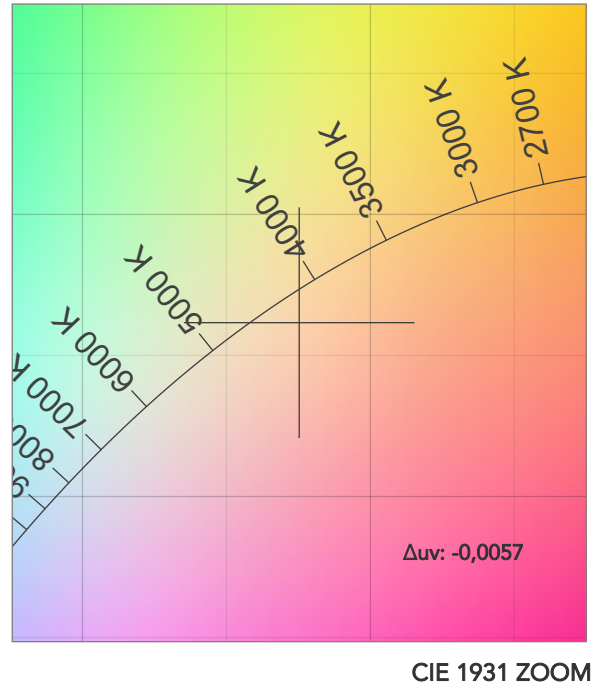
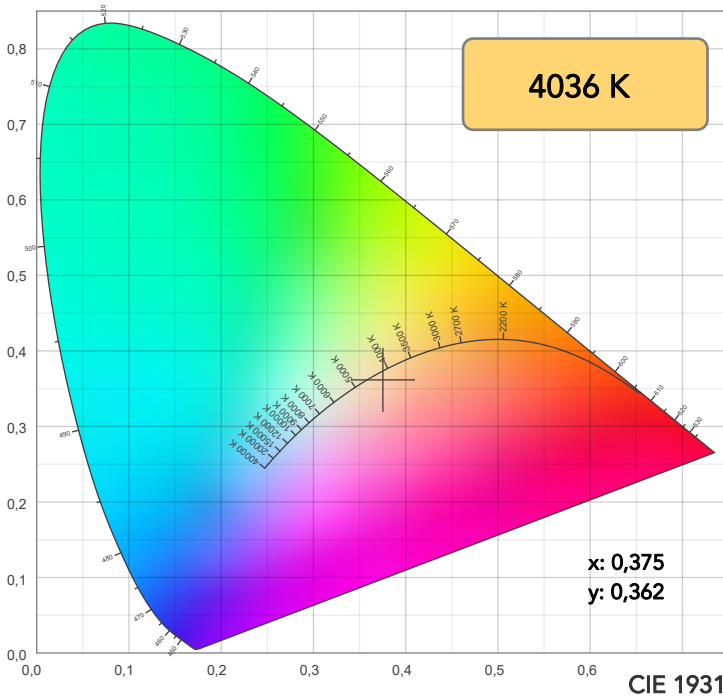
Field angle 10%: 75,8°

Cut off angle 2.5%: 113,6°

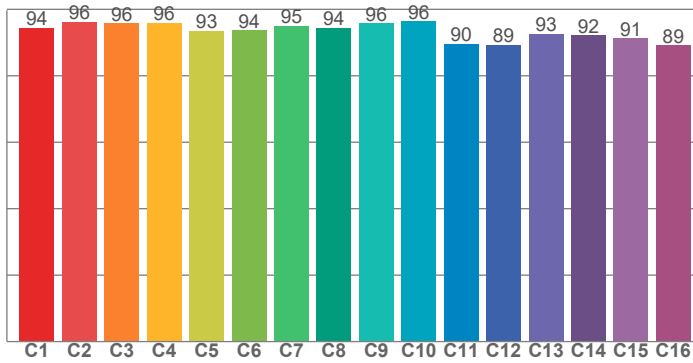
Spectra



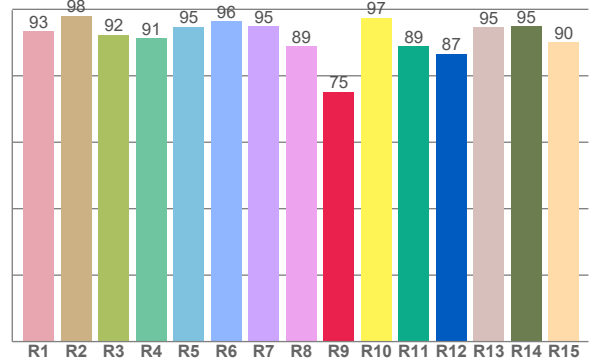
# COLOR DETAILS



**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

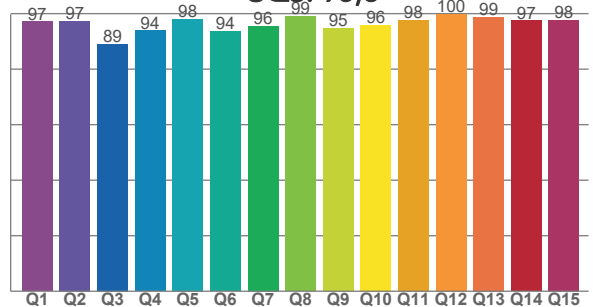
TM30 C values, 16 binned values out of total of 99 C values

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

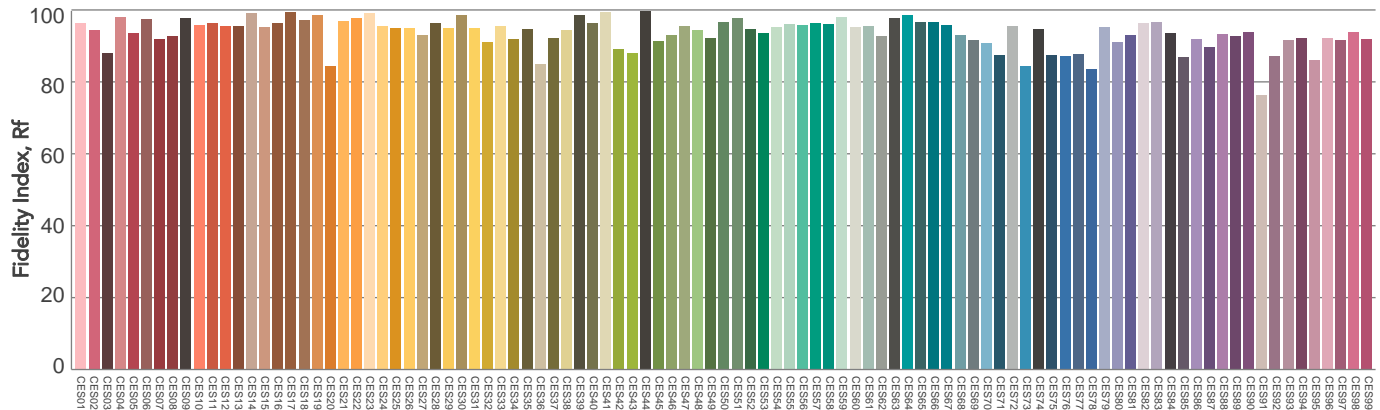
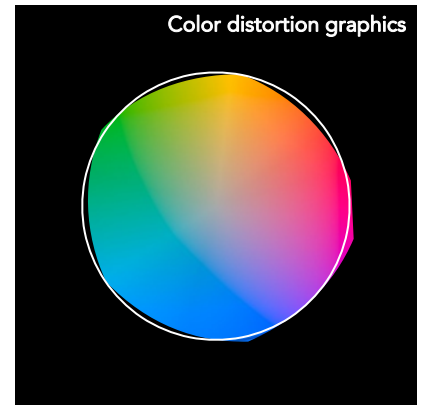
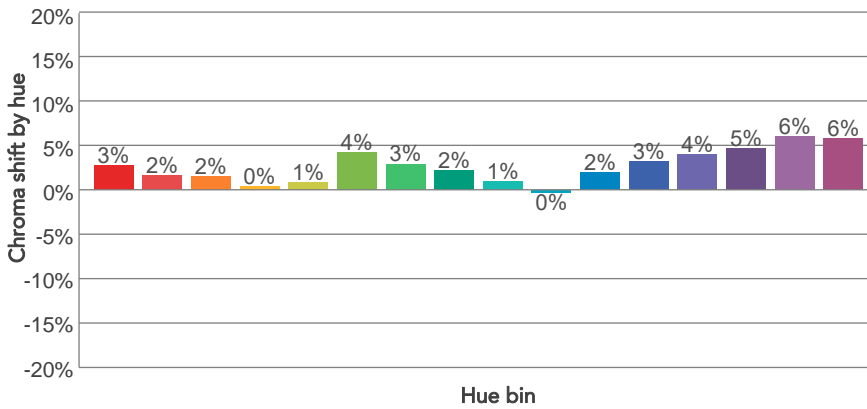
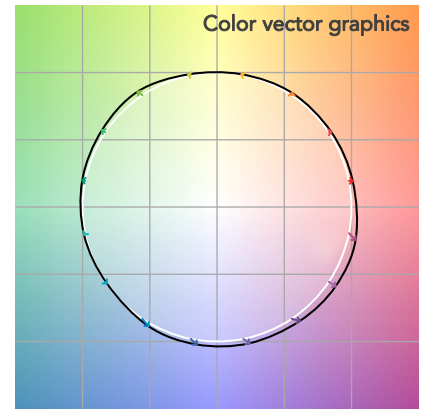
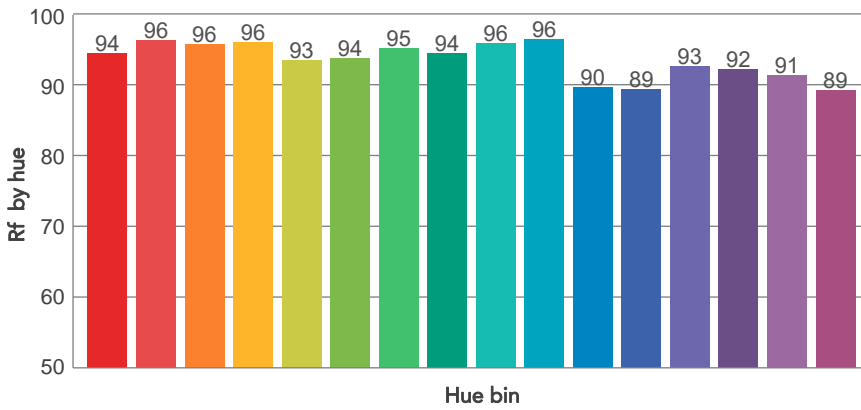
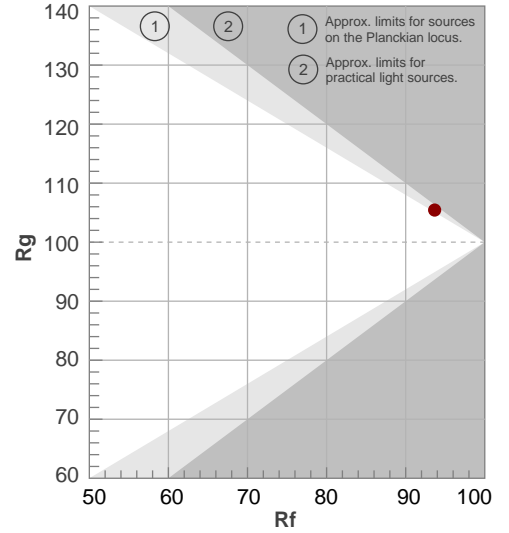
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4036 K	93,8	75,2	93,7	105,4	95,6	97	0,375	0,362	-0,0057

# TM30 DETAILS

**Rf 93,7**  
Fidelity index Rf

**Rg 105,4**  
Gammut index

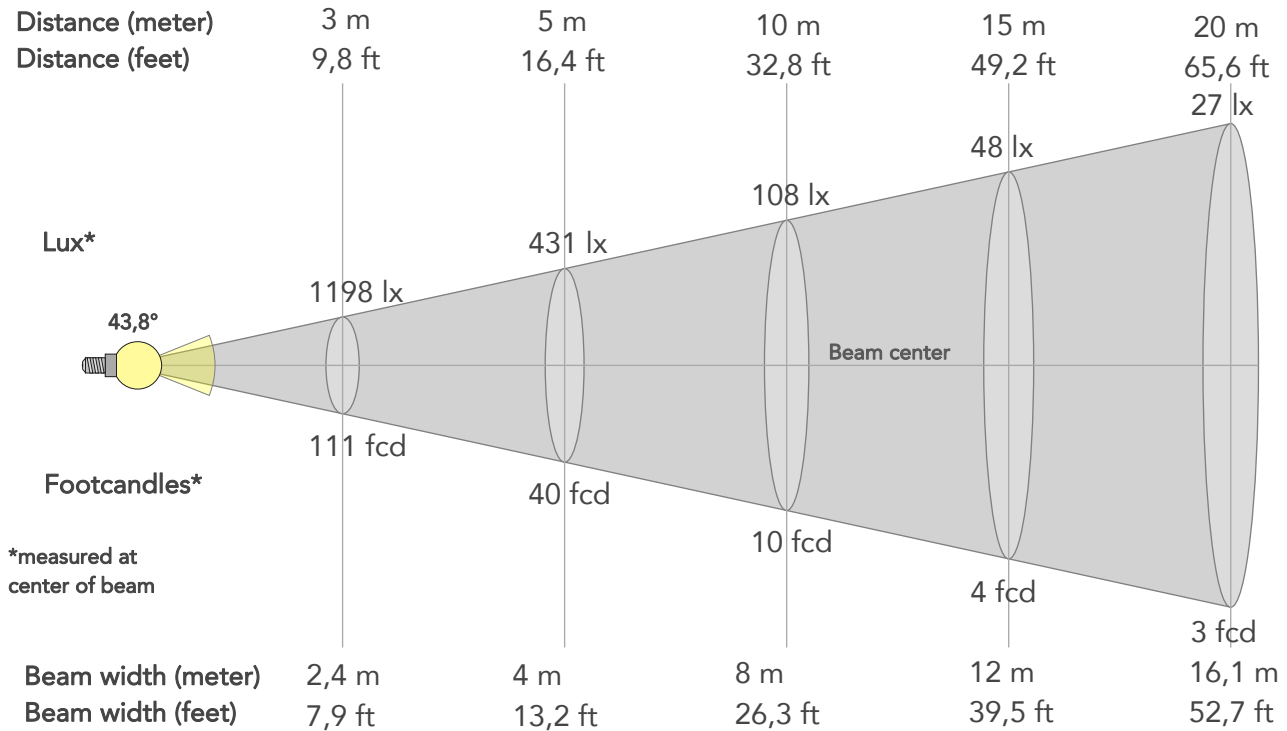
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	3%	-1%
2	96	2%	-1%
3	96	2%	1%
4	96	0%	1%
5	93	1%	2%
6	94	4%	1%
7	95	3%	0%
8	94	2%	0%
9	96	1%	1%
10	96	0%	2%
11	90	2%	7%
12	89	3%	5%
13	93	4%	4%
14	92	5%	4%
15	91	6%	0%
16	89	6%	-4%



# BEAM DETAILS



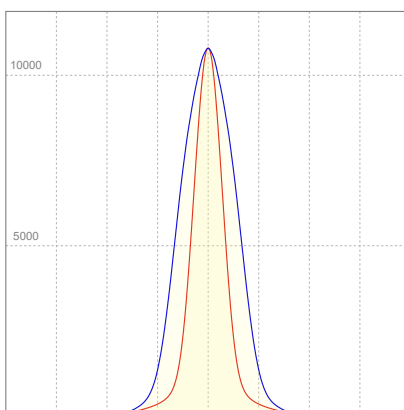
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43,8°	75,8°	113,6°	96,2%	88,0%



## 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	10784lx	2696lx	1198lx	674lx	431lx	192lx	108lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	1002fcd	250fcd	111fcd	63fcd	40fcd	18fcd	10fcd	4fcd	3fcd	2fcd	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

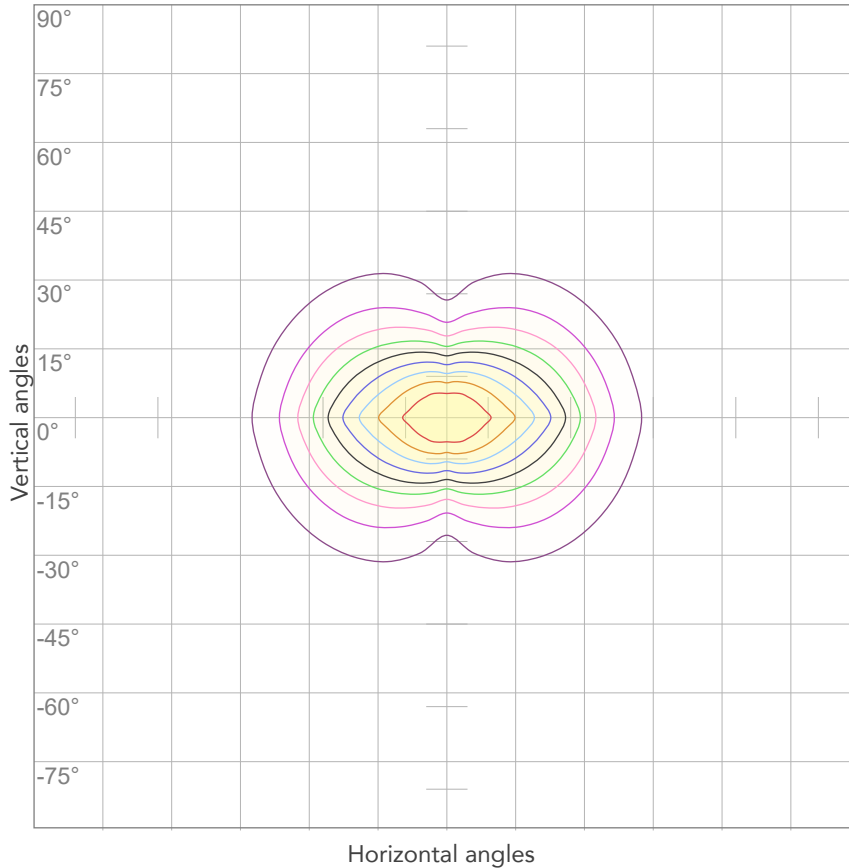


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,570A	125,5W	0,98	59lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



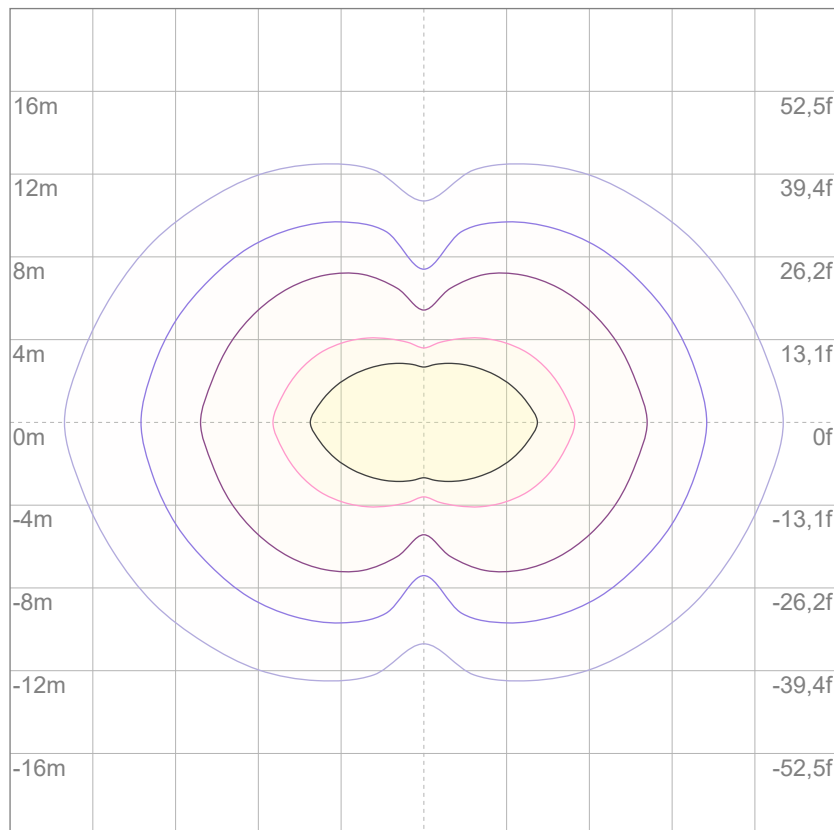
10%	1078 cd
20%	2157 cd
30%	3235 cd
40%	4314 cd
50%	5392 cd
60%	6471 cd
70%	7549 cd
80%	8628 cd

### Conditions:

Number of c-planes: 4

Candela at center: 10784 cd

## ISO LUX DIAGRAM



3%	3,24 lx
5%	5,39 lx
10%	10,8 lx
30%	32,4 lx
50%	53,9 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:

8566 lm

Peak candela output:

173184 cd

Light quality:

CRI: 94,3

Color temperature:

5596 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10°**

**Target:**

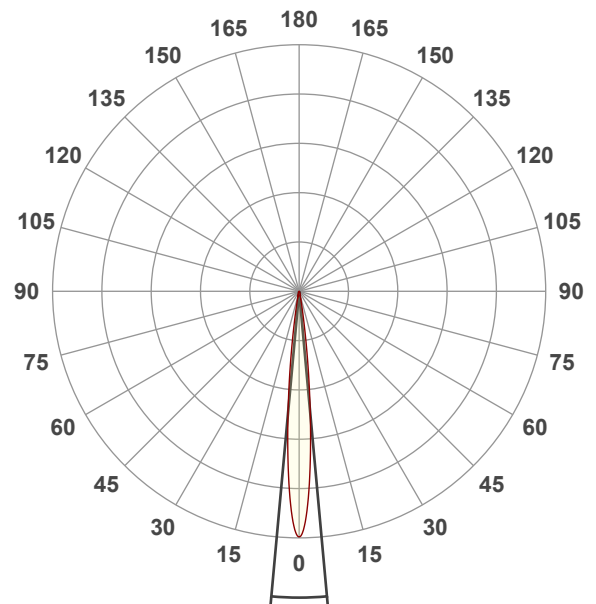
**5600K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:17:11**

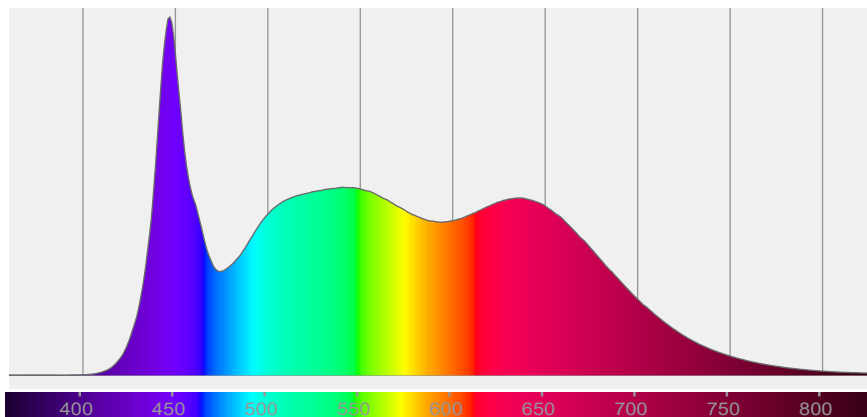


**Beam angle 50%: 10,4°**

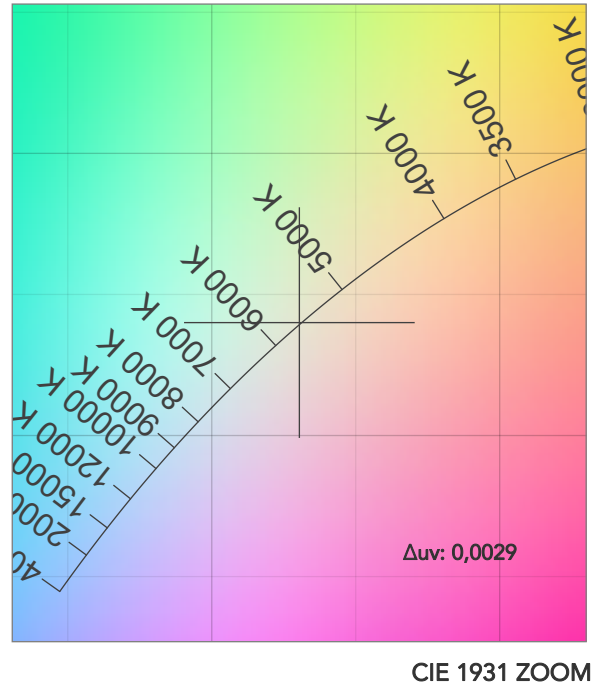
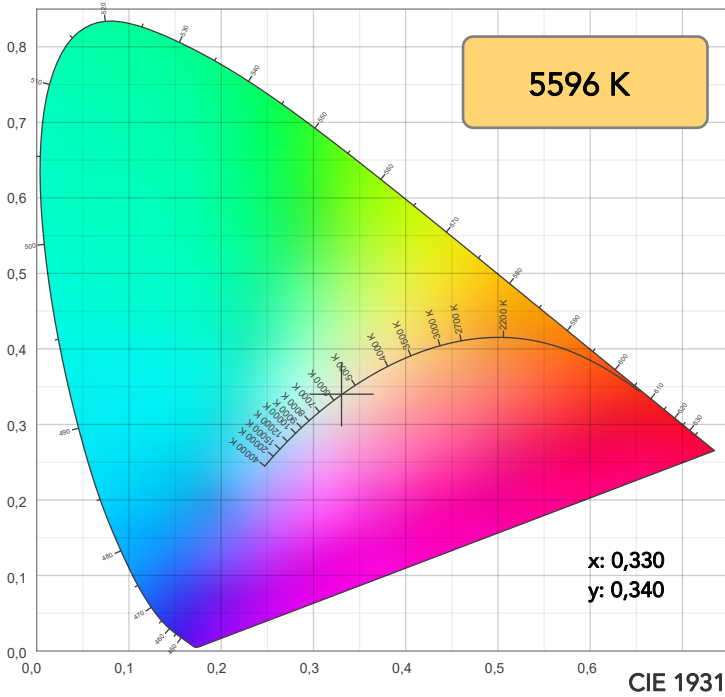
**Field angle 10%: 18,6°**

**Cut off angle 2.5%: 25,6°**

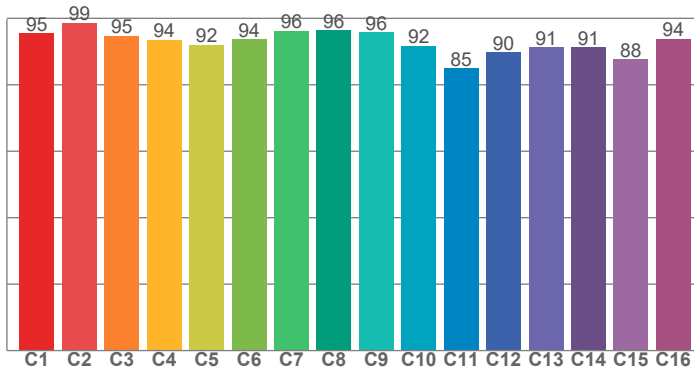
**Spectra**



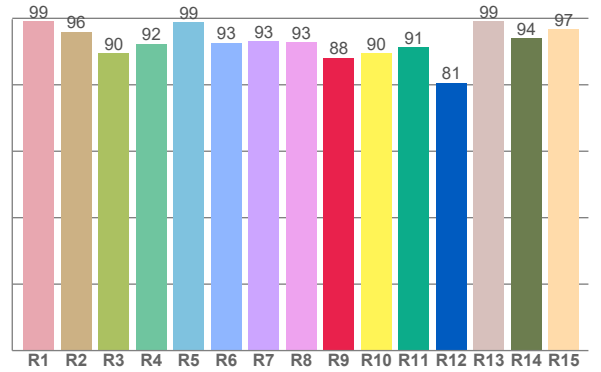
# COLOR DETAILS



**TM30: 92,9**



**CRI: 94,3 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,2	96,0	89,6	92,4	98,8	92,6	93,1	92,7	88,2	89,5	91,3	80,6	99,2	94,0	96,6

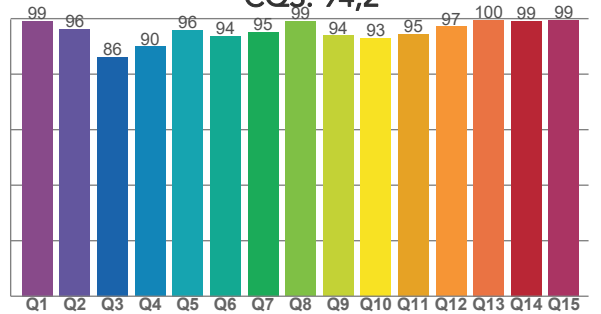
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,4	98,6	94,7	93,6	92,1	93,7	96,3	96,4	95,7	91,8	84,9	89,8	91,3	91,2	87,7	93,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,1	96,3	86,1	90,0	95,9	93,7	95,2	99,0	93,9	93,0	94,5	97,1	99,5	99,1	99,4

**CQS: 94,2**



## COLOR PARAMETERS

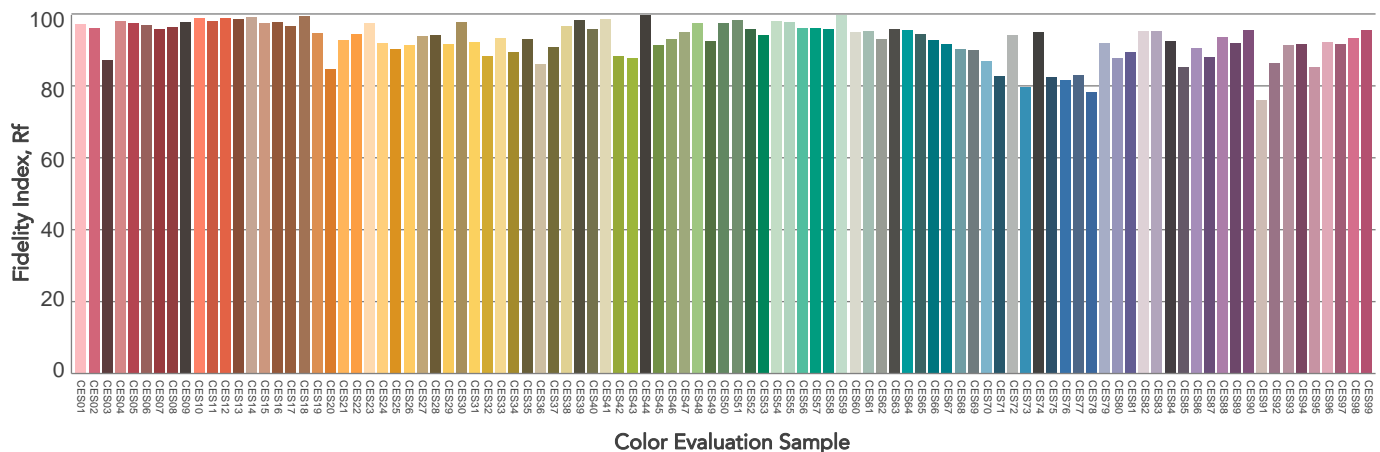
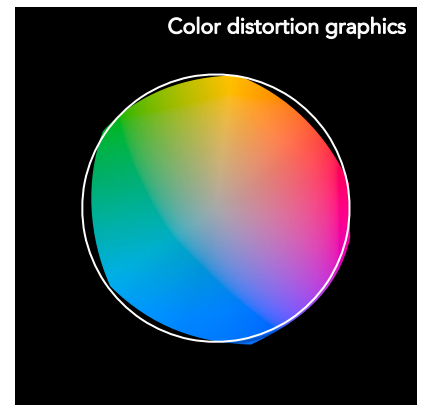
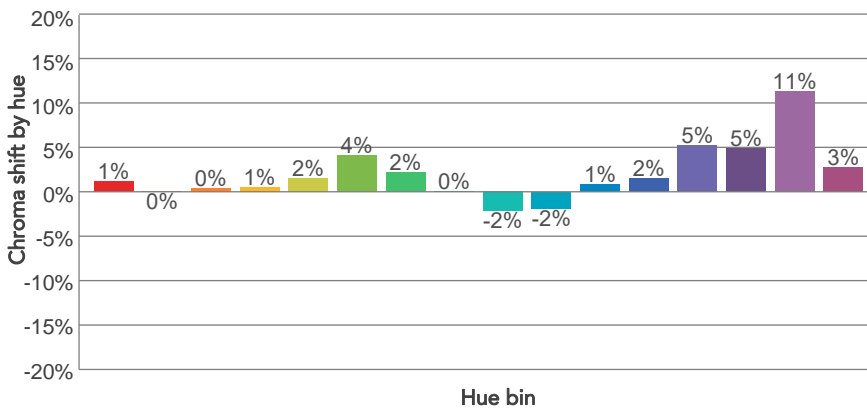
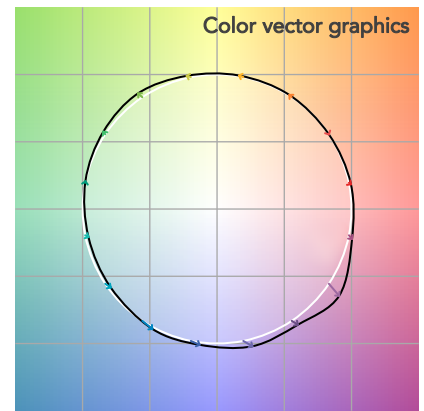
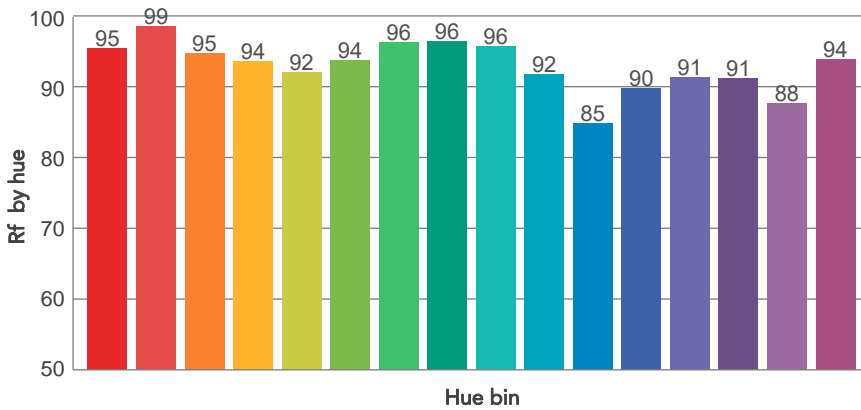
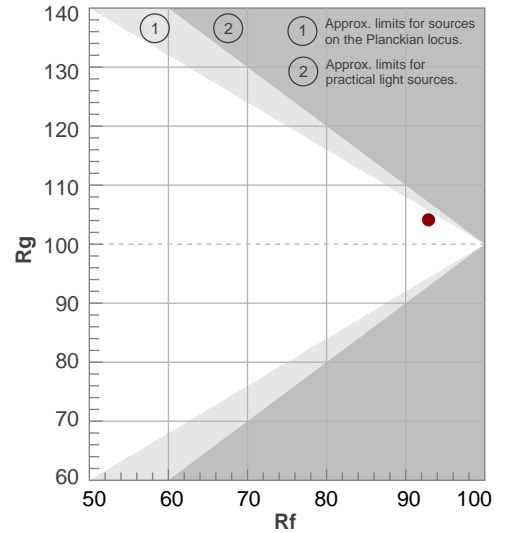
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5596 K	94,3	88,2	92,9	104,1	94,2	98	0,330	0,340	0,0029

# TM30 DETAILS

**Rf 92,9**  
Fidelity index Rf

**Rg 104,1**  
Gammut index

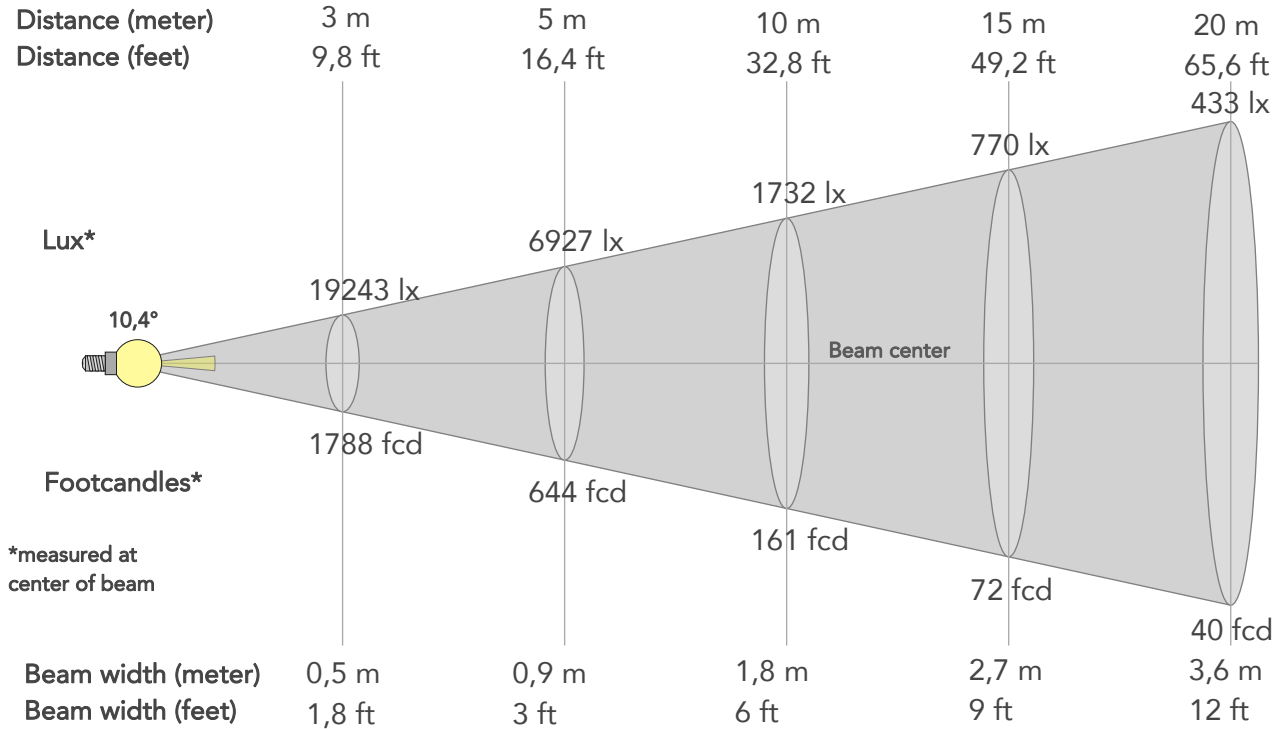
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	99	0%	0%
3	95	0%	2%
4	94	1%	3%
5	92	2%	3%
6	94	4%	1%
7	96	2%	-1%
8	96	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	10%
12	90	2%	7%
13	91	5%	6%
14	91	5%	2%
15	88	11%	-3%
16	94	3%	-2%



# BEAM DETAILS



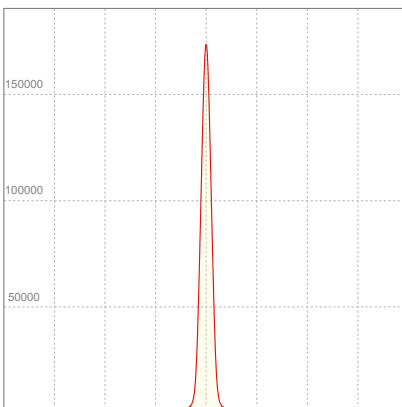
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,4°	18,6°	25,6°	97,0%	93,5%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	173184lx	43296lx	19243lx	10824lx	6927lx	3079lx	1732lx	770lx	433lx	277lx	192lx	108lx	69lx
Footcand.	16089fcd	4022fcd	1788fcd	1006fcd	644fcd	286fcd	161fcd	72fcd	40fcd	26fcd	18fcd	10fcd	6fcd
Beam wid.	0,2m	0,4m	0,5m	0,7m	0,9m	1,4m	1,8m	2,7m	3,6m	4,6m	5,5m	7,3m	9,1m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	14,9ft	17,9ft	23,9ft	29,9ft

## LINEAR DISTRIBUTION DIAGRAM

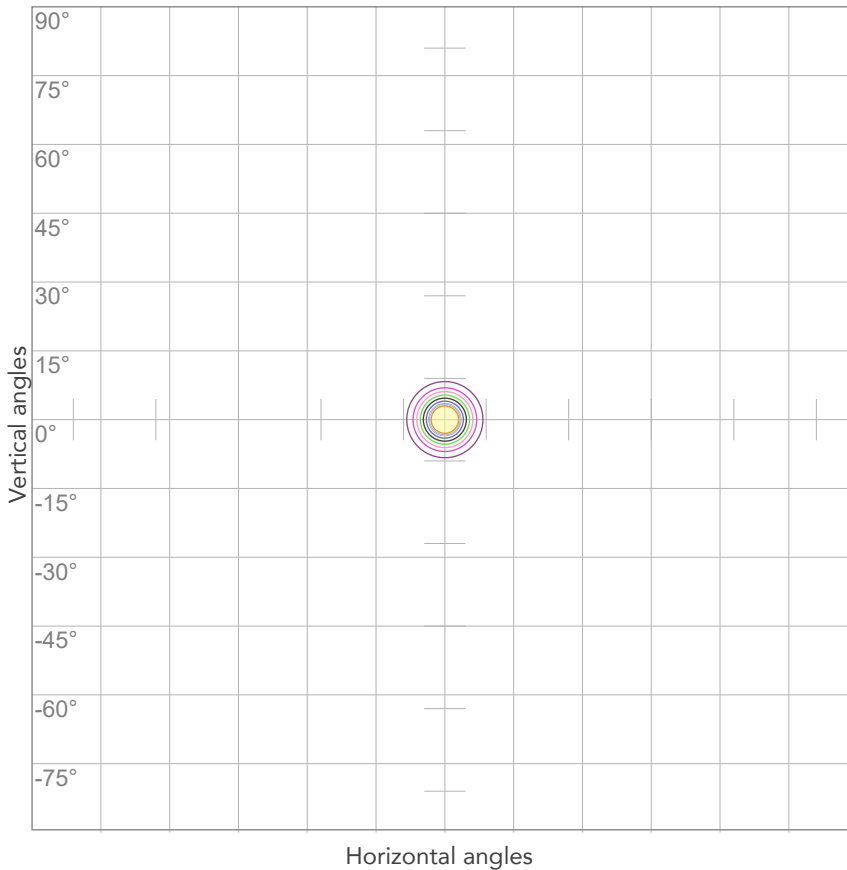


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,581A	127,5W	0,97	67lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



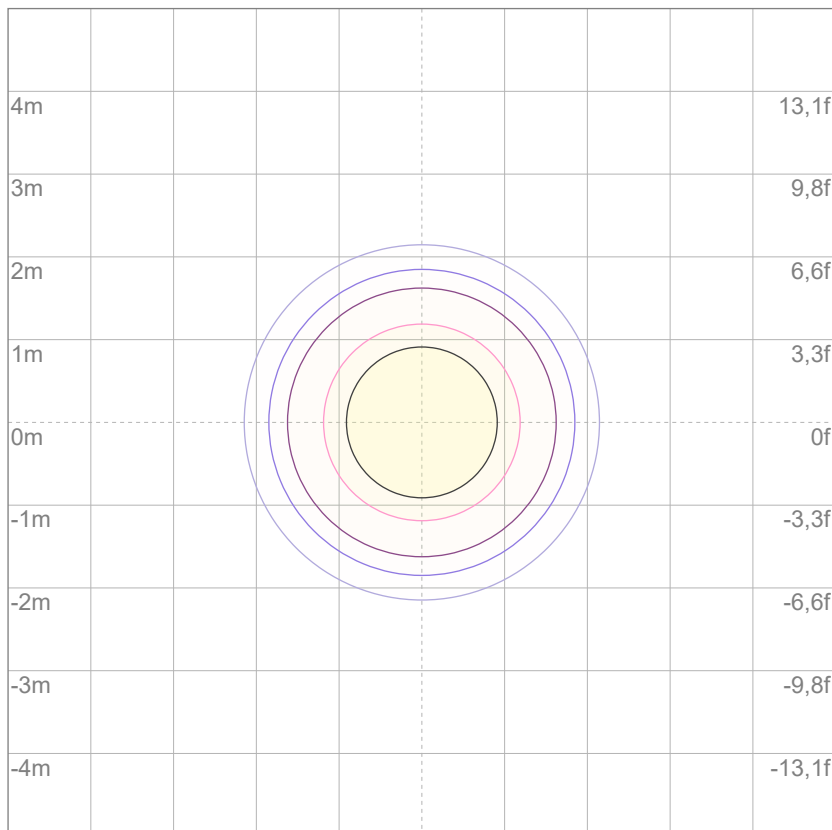
10%	17318 cd
20%	34637 cd
30%	51955 cd
40%	69274 cd
50%	86592 cd
60%	103910 cd
70%	121229 cd
80%	138547 cd

Conditions:

Number of c-planes: 2

Candela at center: 173184 cd

## ISO LUX DIAGRAM



3%	52,0 lx
5%	86,6 lx
10%	173 lx
30%	520 lx
50%	866 lx

Conditions:

Number of c-planes: 2

Lux at center: 1732 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:

7938 lm

Peak candela output:

31185 cd

Light quality:

CRI: 94,4

Color temperature:

5568 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 20° Filter**

**Target:**

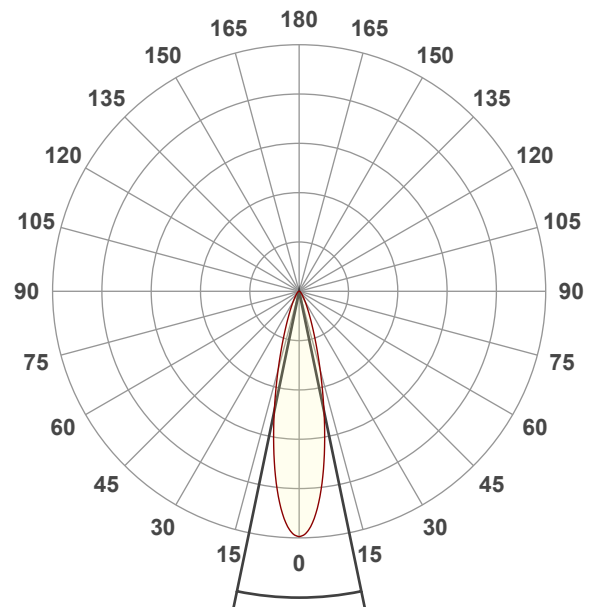
**5600K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:39:17**

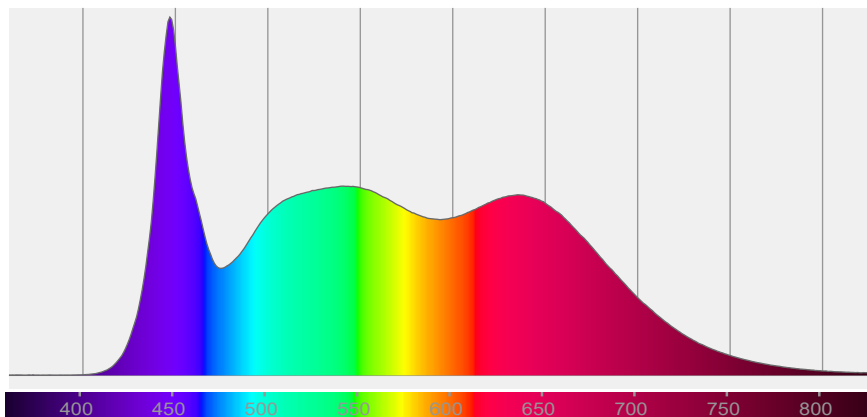


**Beam angle 50%: 23,4°**

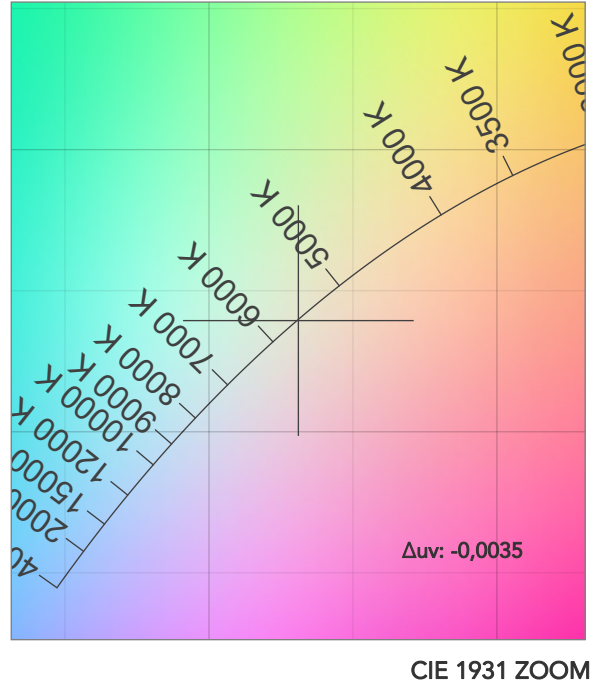
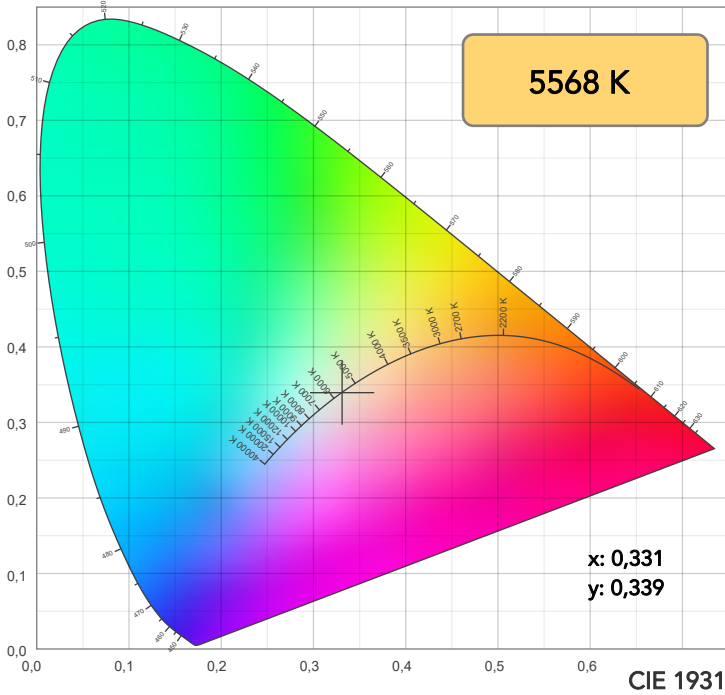
**Field angle 10%: 47,7°**

**Cut off angle 2.5%: 74°**

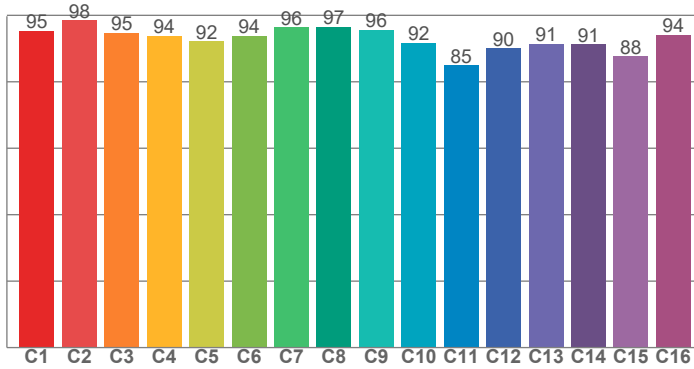
**Spectra**



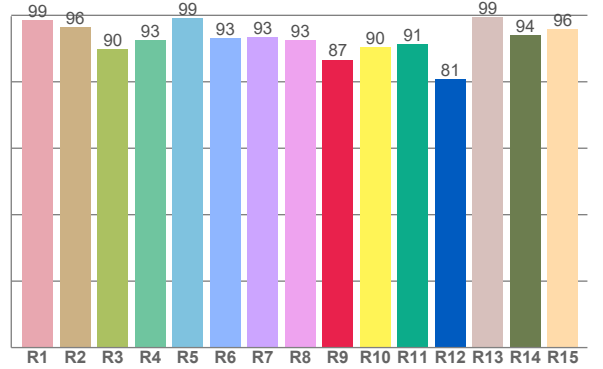
# COLOR DETAILS



**TM30: 93,0**



**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
98,5	96,5	89,8	92,5	99,1	93,0	93,5	92,6	86,7	90,5	91,3	80,8	99,5	94,0	95,9

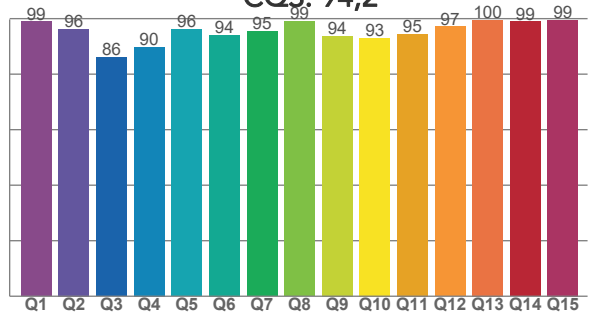
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	98,5	94,7	93,8	92,1	93,9	96,4	96,5	95,7	91,7	85,0	90,0	91,4	91,3	87,6	94,1

CQS Q values

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

**CQS: 94,2**



## COLOR PARAMETERS

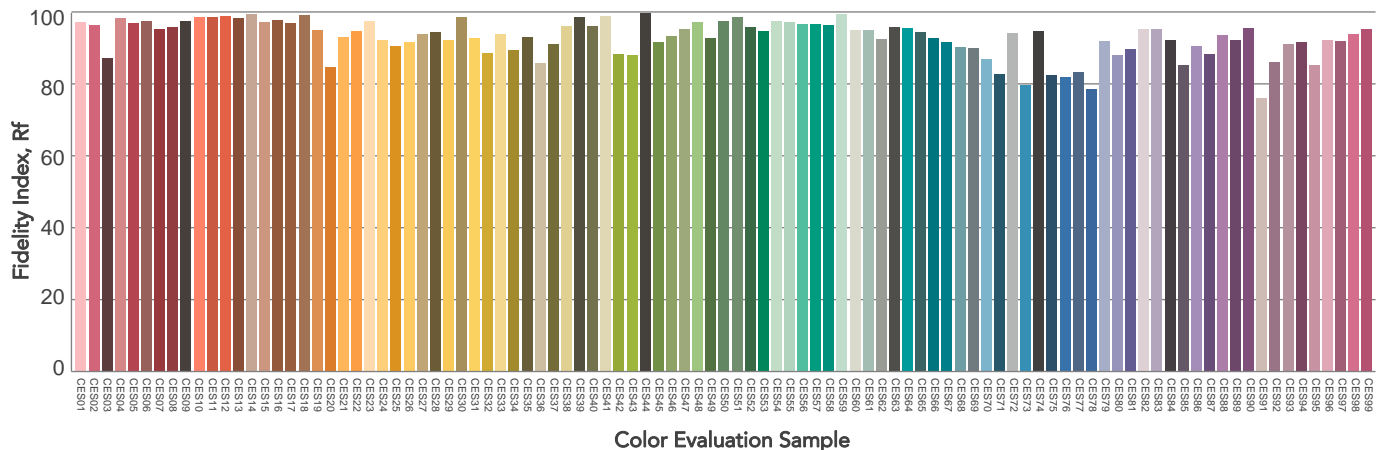
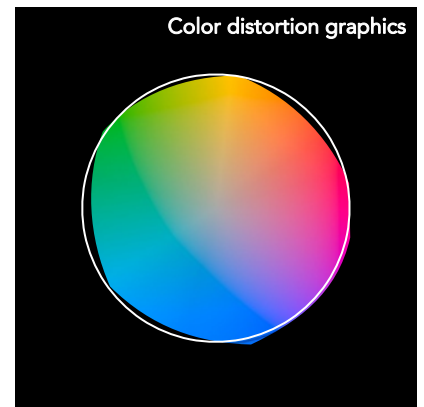
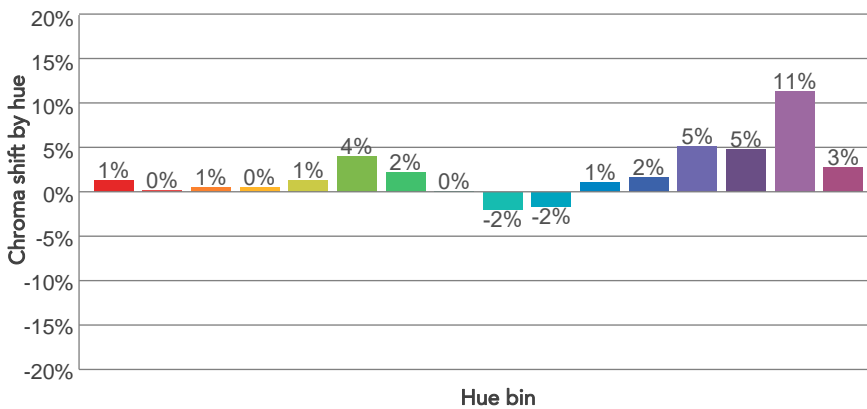
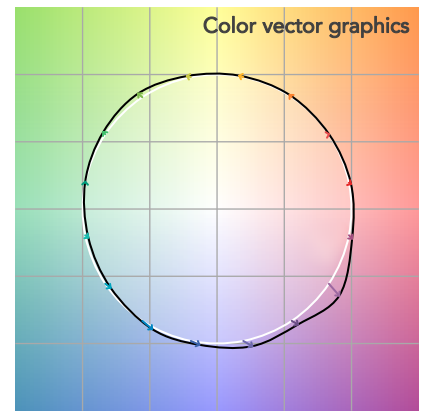
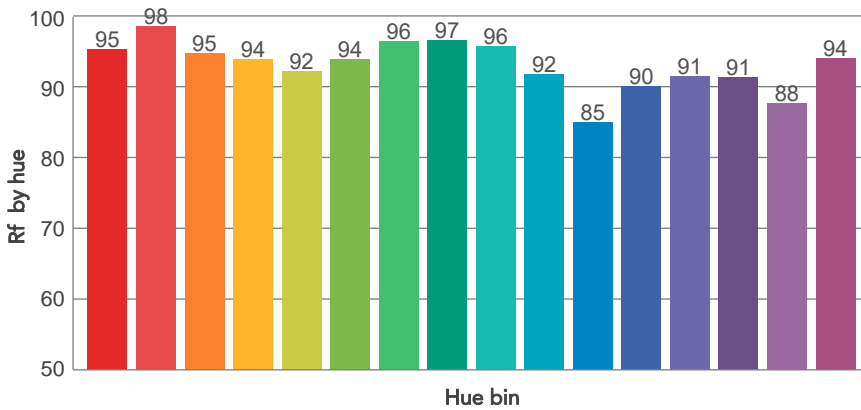
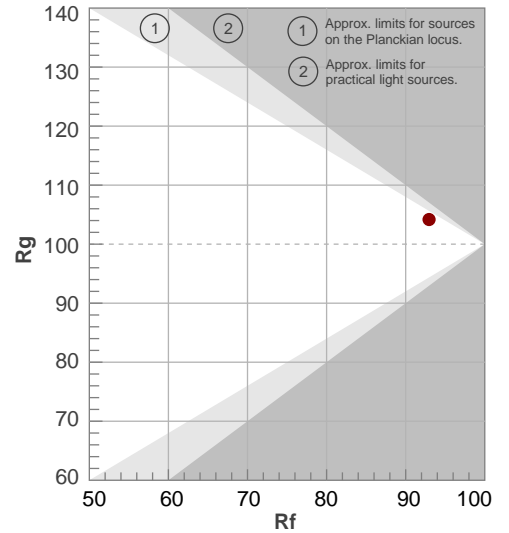
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5568 K	94,4	86,7	93,0	104,2	94,2	98	0,331	0,339	-0,0035

# TM30 DETAILS

**Rf 93,0**  
Fidelity index Rf

**Rg 104,2**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	96	2%	-1%
8	97	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	9%
12	90	2%	7%
13	91	5%	6%
14	91	5%	2%
15	88	11%	-3%
16	94	3%	-2%

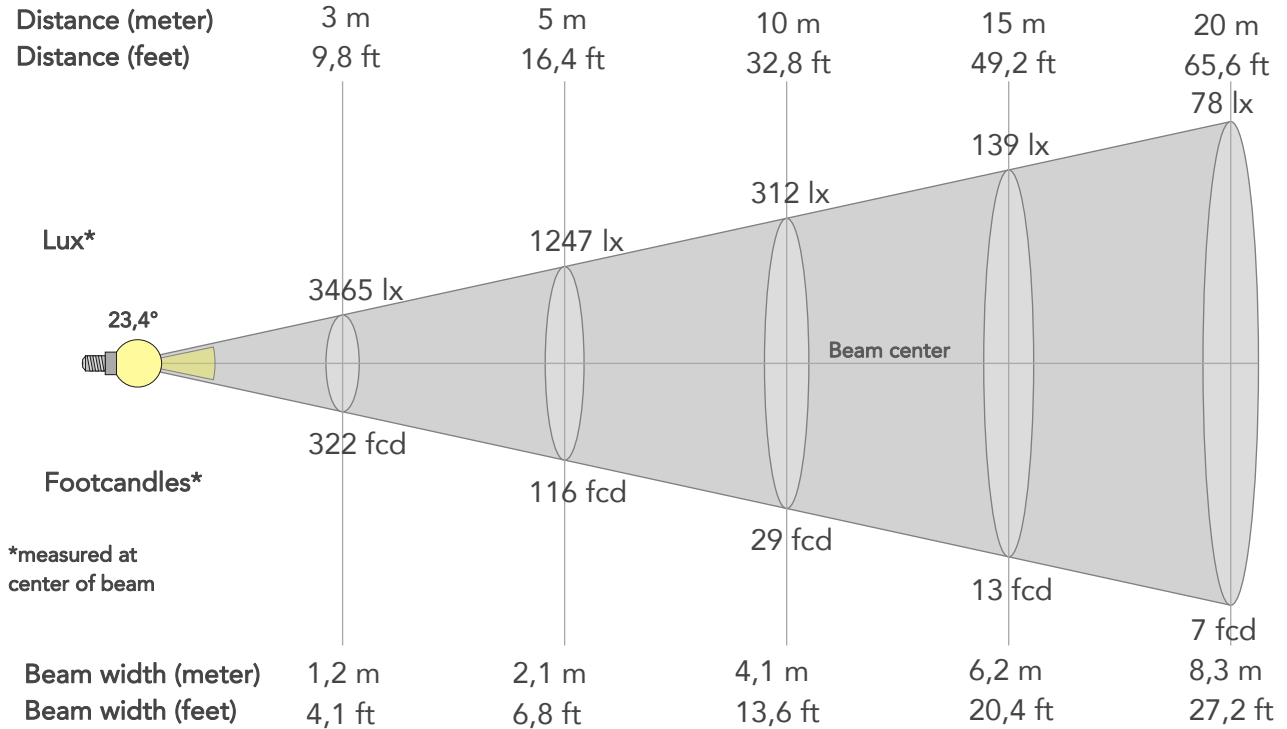




# BEAM DETAILS



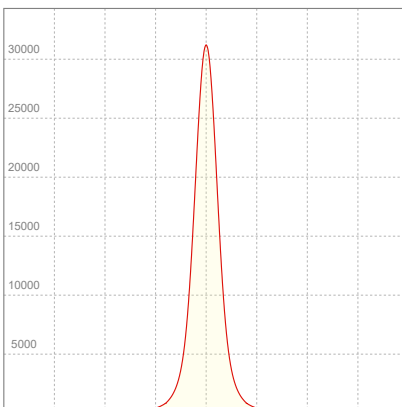
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,7°	74°	96,8%	92,0%



## 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	31185lx	7796lx	3465lx	1949lx	1247lx	554lx	312lx	139lx	78lx	50lx	35lx	19lx	12lx
Footcand.	2897fcd	724fcd	322fcd	181fcd	116fcd	52fcd	29fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

## LINEAR DISTRIBUTION DIAGRAM

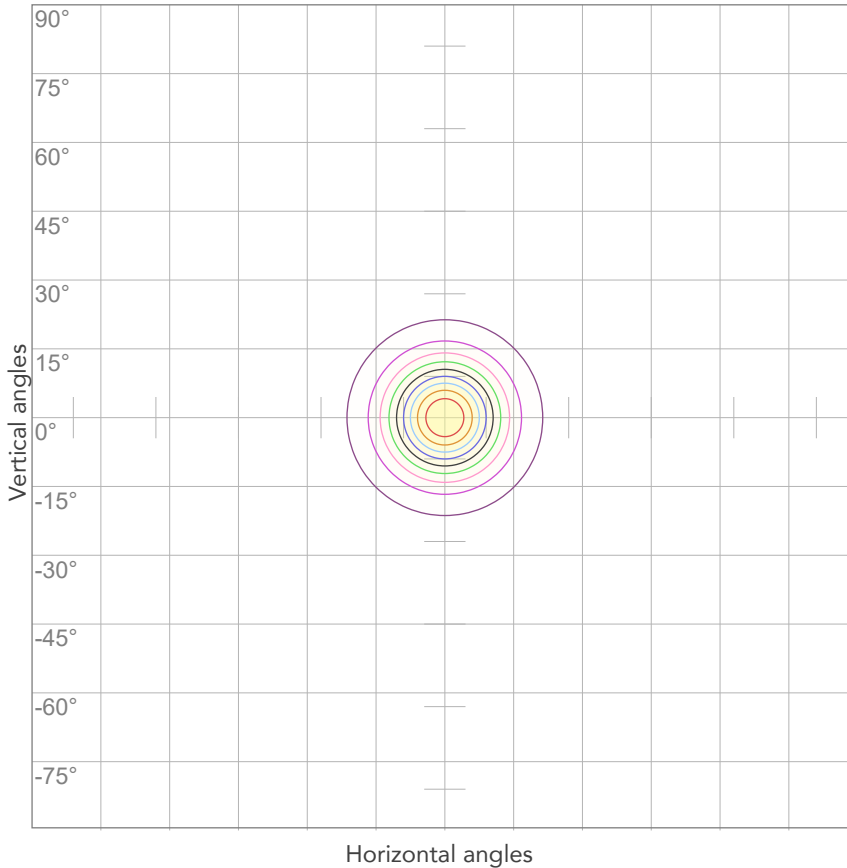


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
226V	0,577A	126,4W	0,97	63lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



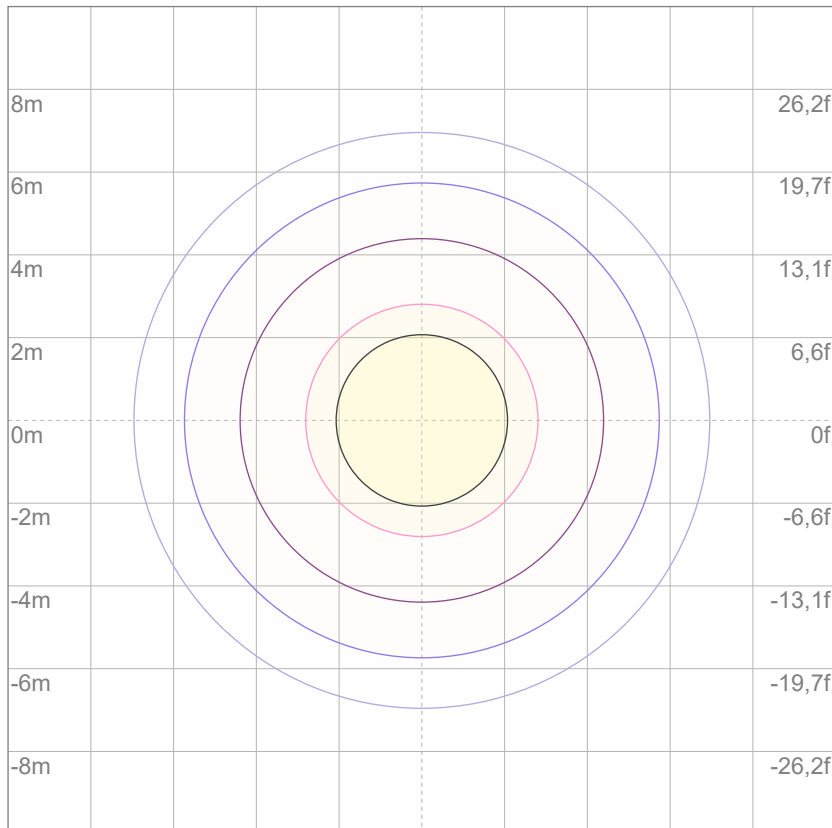
10%	3118 cd
20%	6237 cd
30%	9355 cd
40%	12474 cd
50%	15592 cd
60%	18711 cd
70%	21829 cd
80%	24948 cd

Conditions:

Number of c-planes: 2

Candela at center: 31185 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	9,36 lx
5%	15,6 lx
10%	31,2 lx
30%	93,6 lx
50%	156 lx

Conditions:

Number of c-planes: 2

Lux at center: 312 lx

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



Total lumen output:

7784 lm

Peak candela output:

9824 cd

Light quality:

CRI: 94,5

Color temperature:

5604 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 40° Filter

Target:

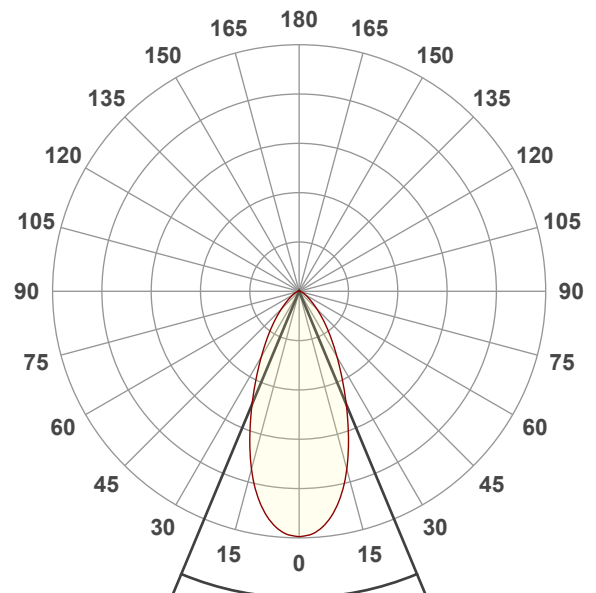
5600K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:57:35

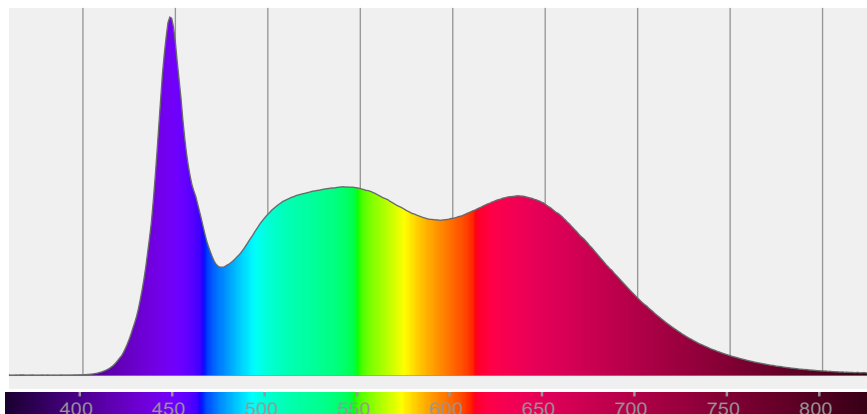


Beam angle 50%: 45,3°

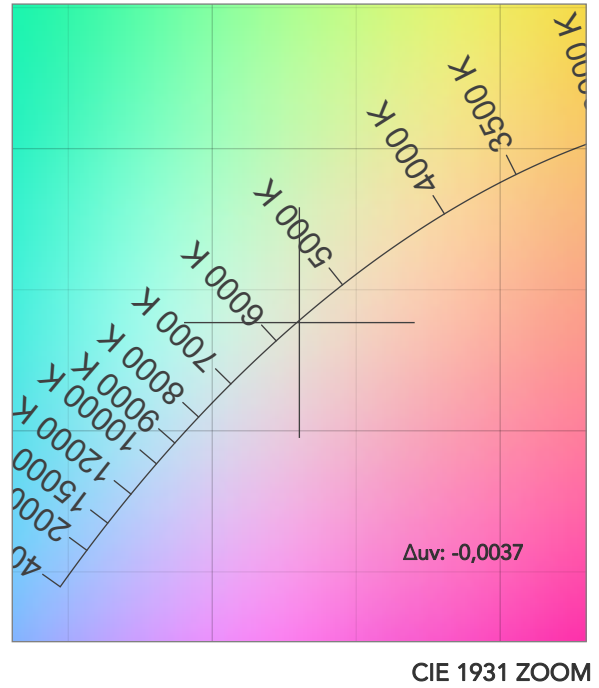
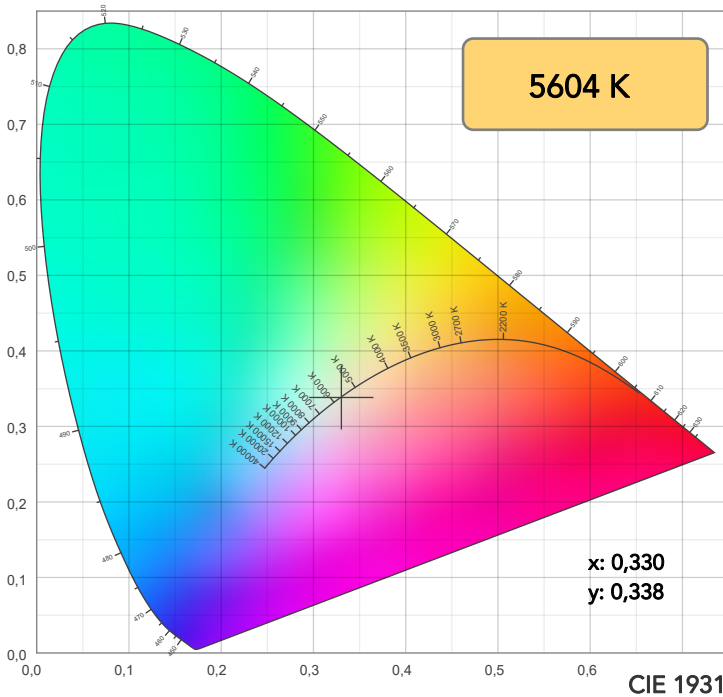
Field angle 10%: 90,8°

Cut off angle 2.5%: 127,1°

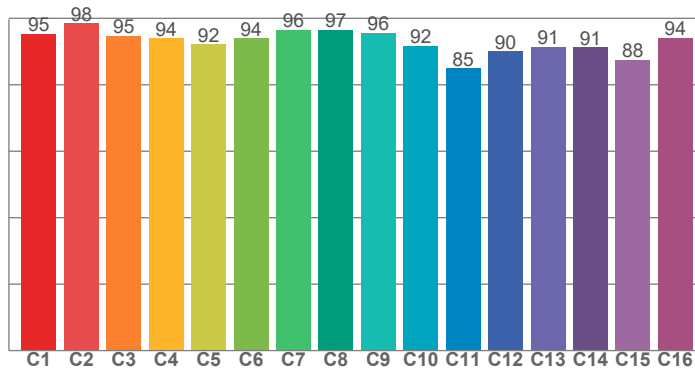
Spectra



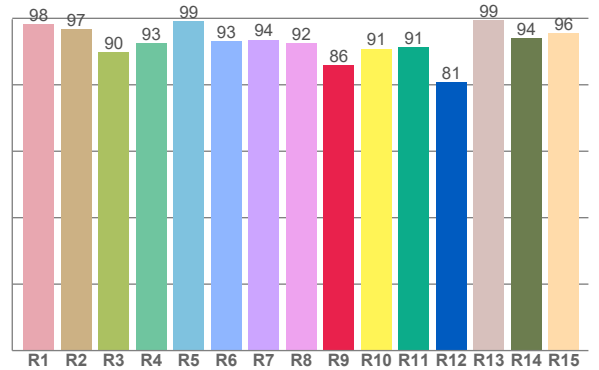
# COLOR DETAILS



**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
98,3	96,6	89,9	92,6	99,1	93,2	93,6	92,4	85,9	90,8	91,2	80,8	99,4	94,1	95,5

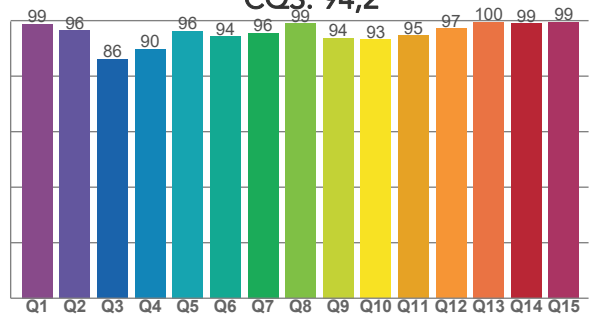
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	98,4	94,8	93,9	92,2	94,0	96,5	96,6	95,6	91,6	85,0	90,1	91,4	91,3	87,5	94,1

CQS Q values

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

**CQS: 94,2**



## COLOR PARAMETERS

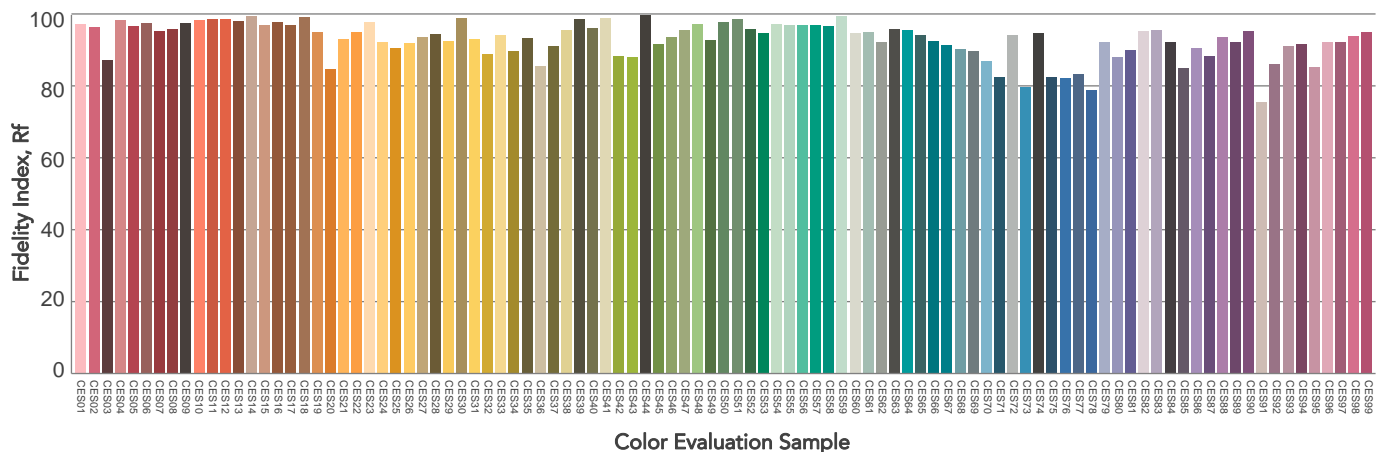
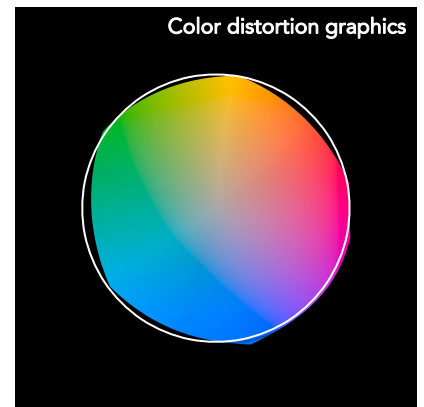
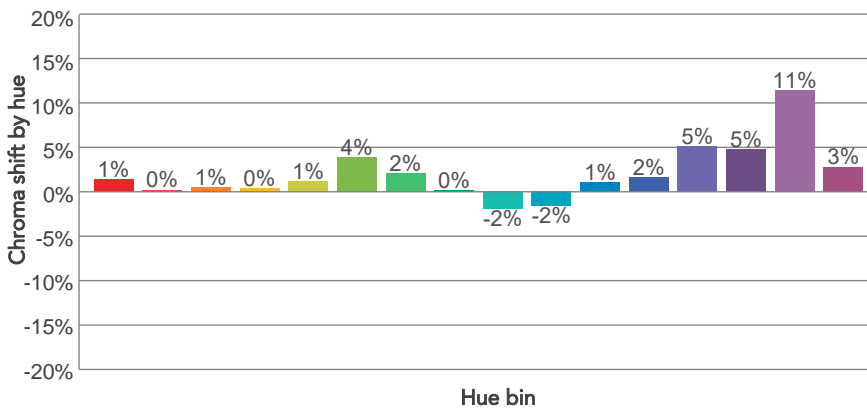
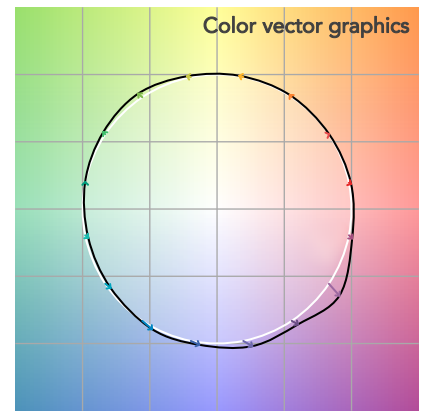
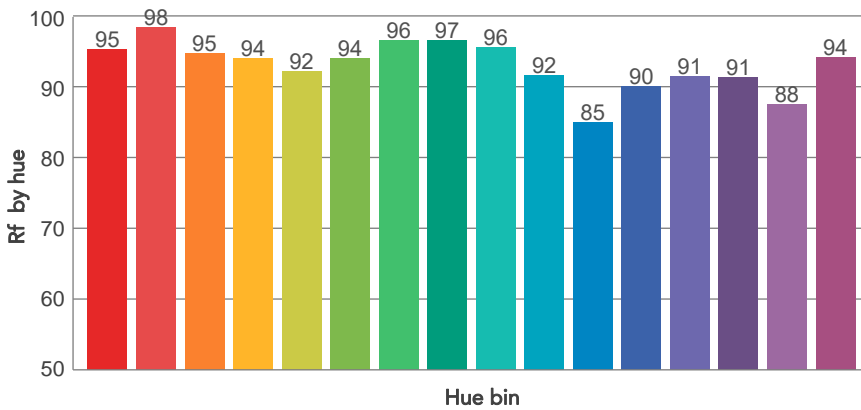
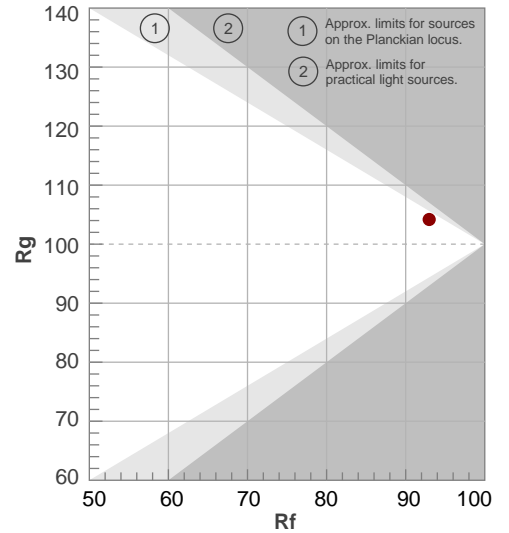
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5604 K	94,5	85,9	93,0	104,2	94,2	98	0,330	0,338	-0,0037

# TM30 DETAILS

**Rf 93,0**  
Fidelity index Rf

**Rg 104,2**  
Gammut index

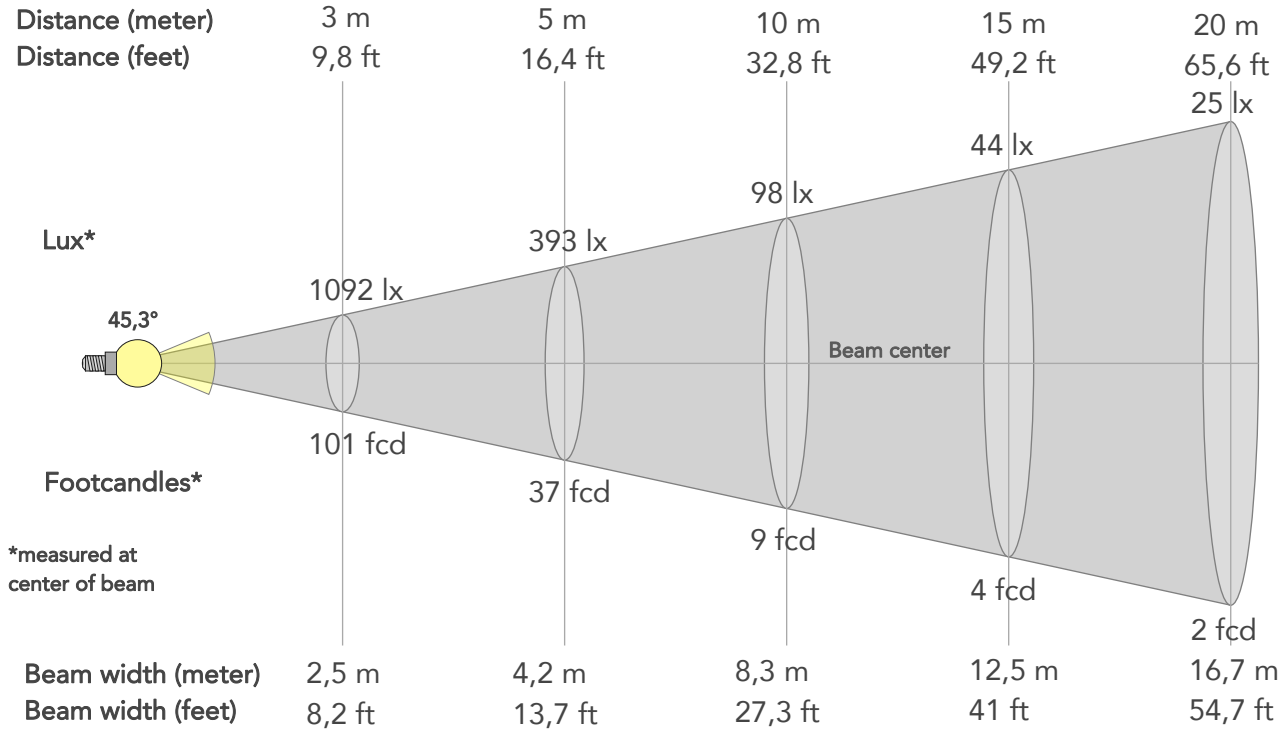
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	96	2%	-1%
8	97	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	9%
12	90	2%	7%
13	91	5%	6%
14	91	5%	2%
15	88	11%	-3%
16	94	3%	-2%



# BEAM DETAILS



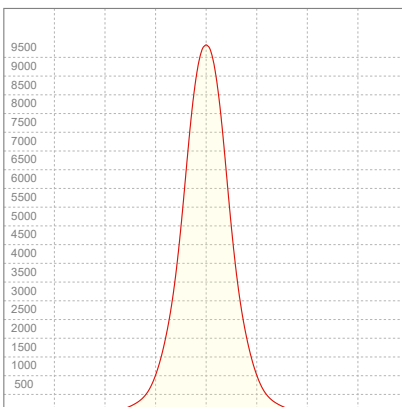
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,3°	90,8°	127,1°	95,4%	85,8%



## 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	9824lx	2456lx	1092lx	614lx	393lx	175lx	98lx	44lx	25lx	16lx	11lx	6lx	4lx
Footcand.	913fcd	228fcd	101fcd	57fcd	37fcd	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	20,8m	25m	33,3m	41,7m
Beam wid.	2,8ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,3ft	41ft	54,7ft	68,4ft	82ft	109,4ft	136,7ft

## LINEAR DISTRIBUTION DIAGRAM

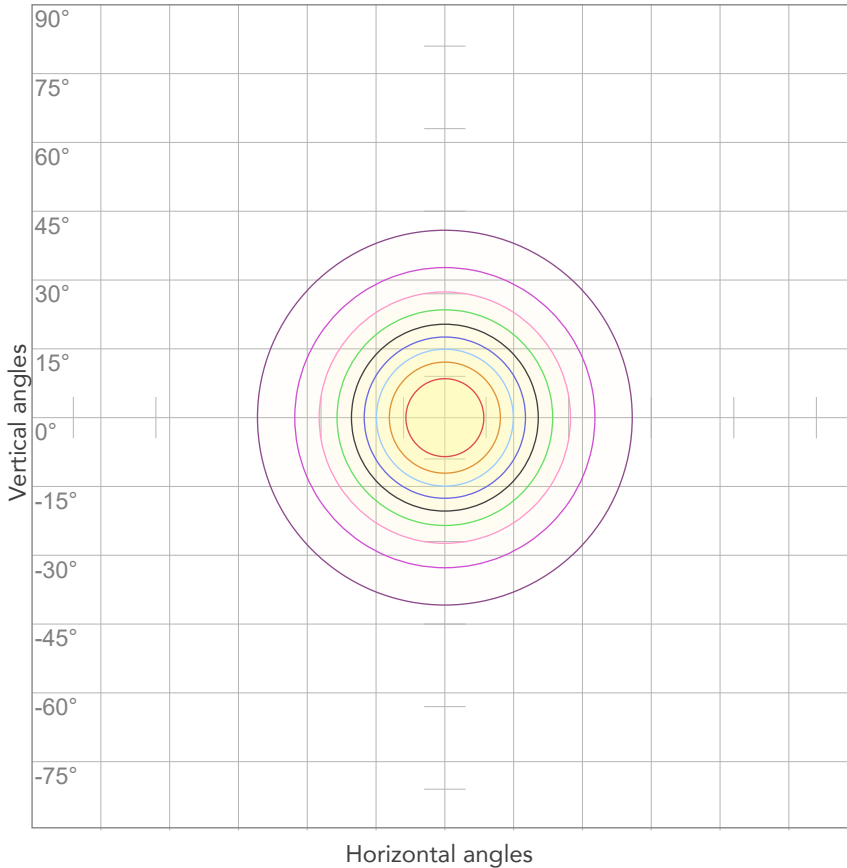


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,572A	126,1W	0,97	62lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



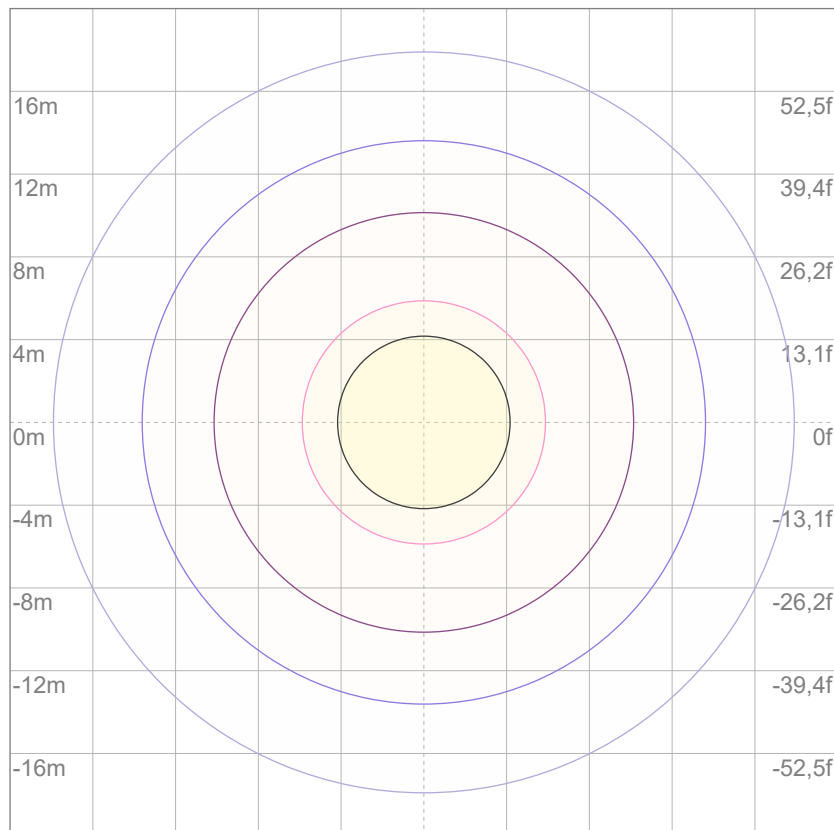
10%	982 cd
20%	1965 cd
30%	2947 cd
40%	3929 cd
50%	4912 cd
60%	5894 cd
70%	6877 cd
80%	7859 cd

Conditions:

Number of c-planes: 2

Candela at center: 9824 cd

## ISO LUX DIAGRAM



3%	2,95 lx
5%	4,91 lx
10%	9,82 lx
30%	29,5 lx
50%	49,1 lx

Conditions:

Number of c-planes: 2

Lux at center: 98,2 lx

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



Total lumen output:

7616 lm

Peak candela output:

6888 cd

Light quality:

CRI: 94,5

Color temperature:

5590 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

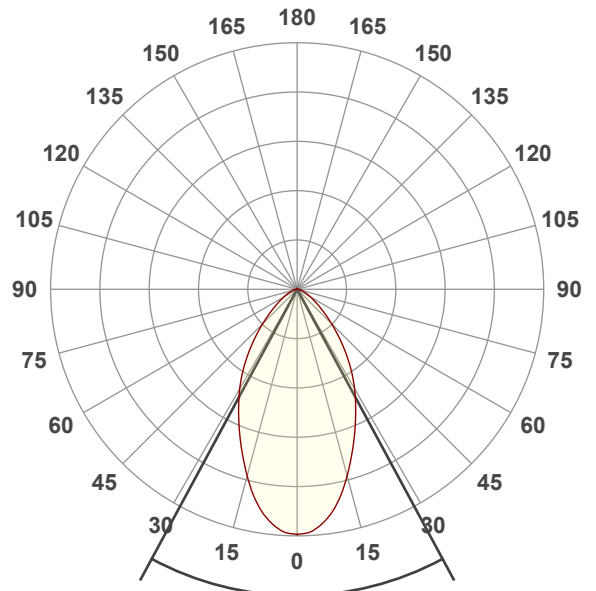
5600K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:38:22

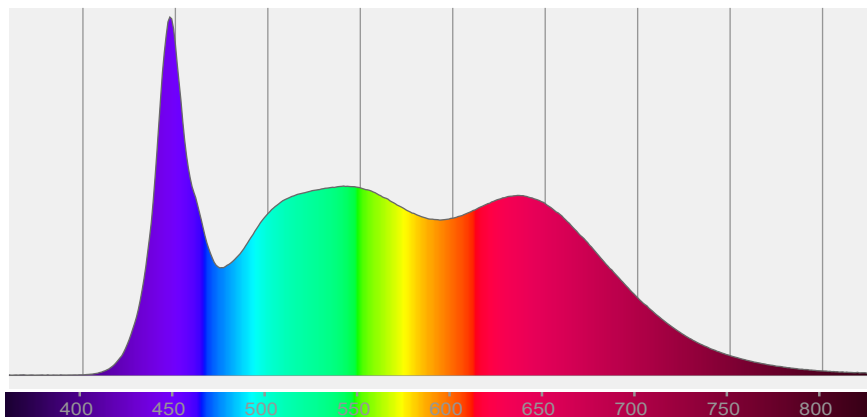


Beam angle 50%: 56,7°

Field angle 10%: 108°

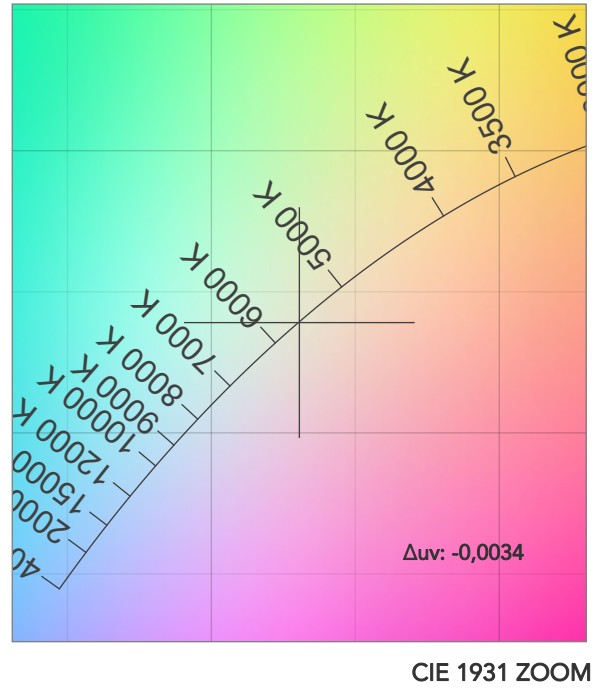
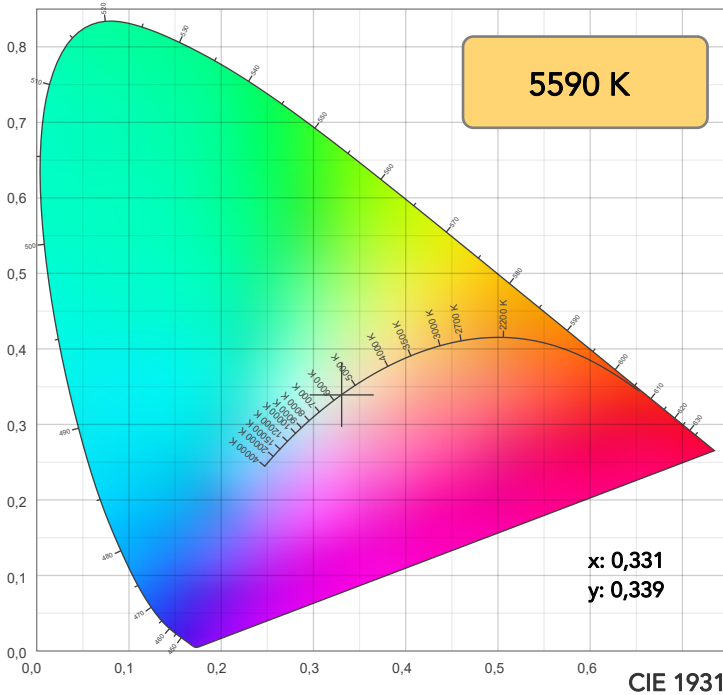
Cut off angle 2.5%: 142,1°

**Spectra**

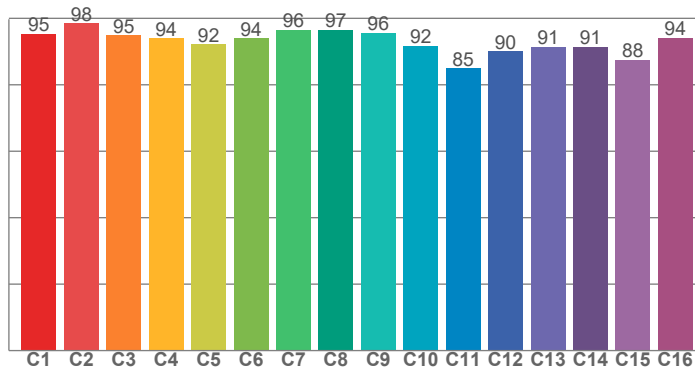




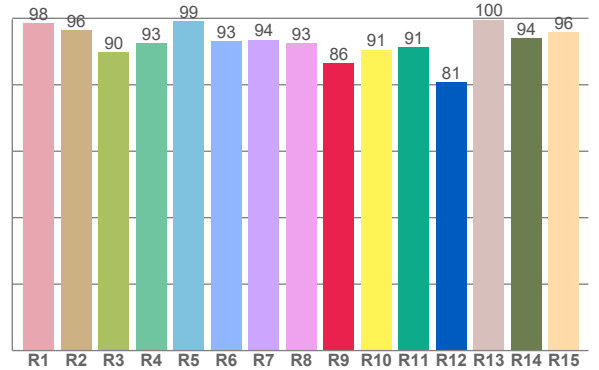
# COLOR DETAILS



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
98,5	96,5	89,9	92,6	99,1	93,1	93,5	92,6	86,5	90,6	91,3	80,7	99,5	94,1	95,8

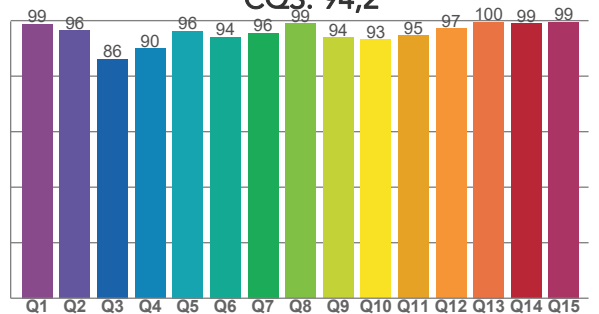
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	98,5	94,8	93,9	92,2	94,0	96,5	96,6	95,7	91,7	85,0	90,1	91,4	91,4	87,6	94,1

CQS Q values

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

CQS: 94,2



## COLOR PARAMETERS

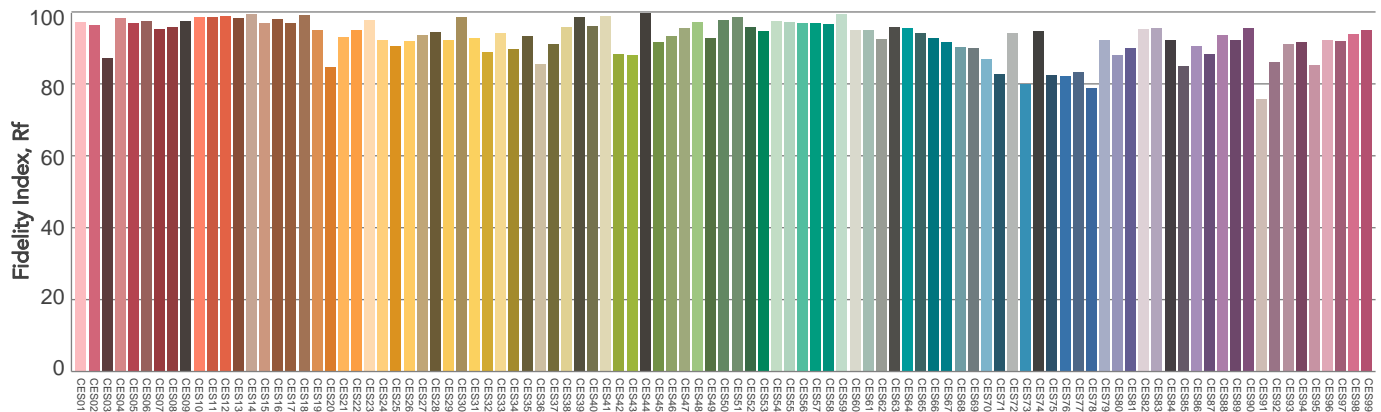
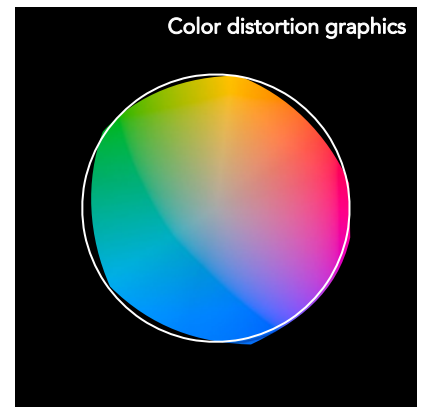
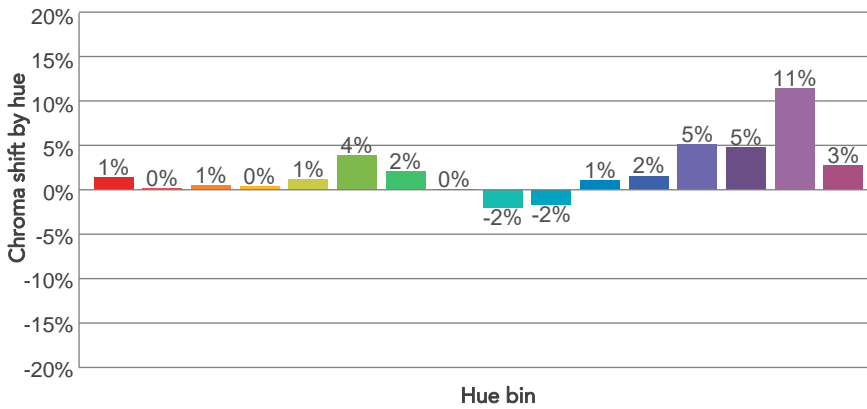
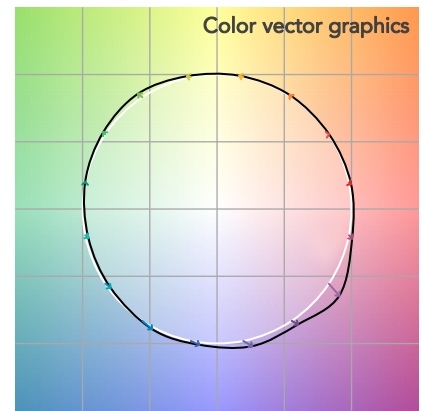
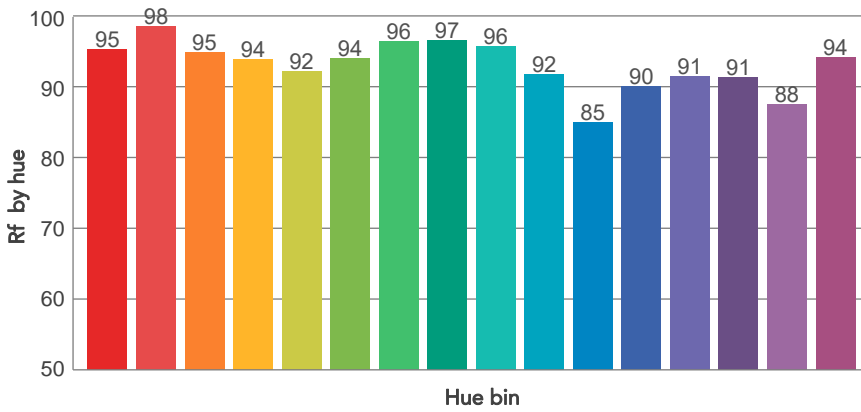
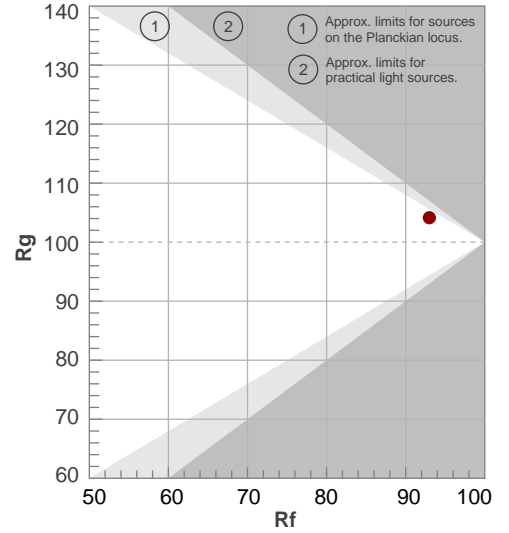
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5590 K	94,5	86,5	93,0	104,1	94,2	98	0,331	0,339	-0,0034

# TM30 DETAILS

**Rf 93,0**  
Fidelity index Rf

**Rg 104,1**  
Gammut index

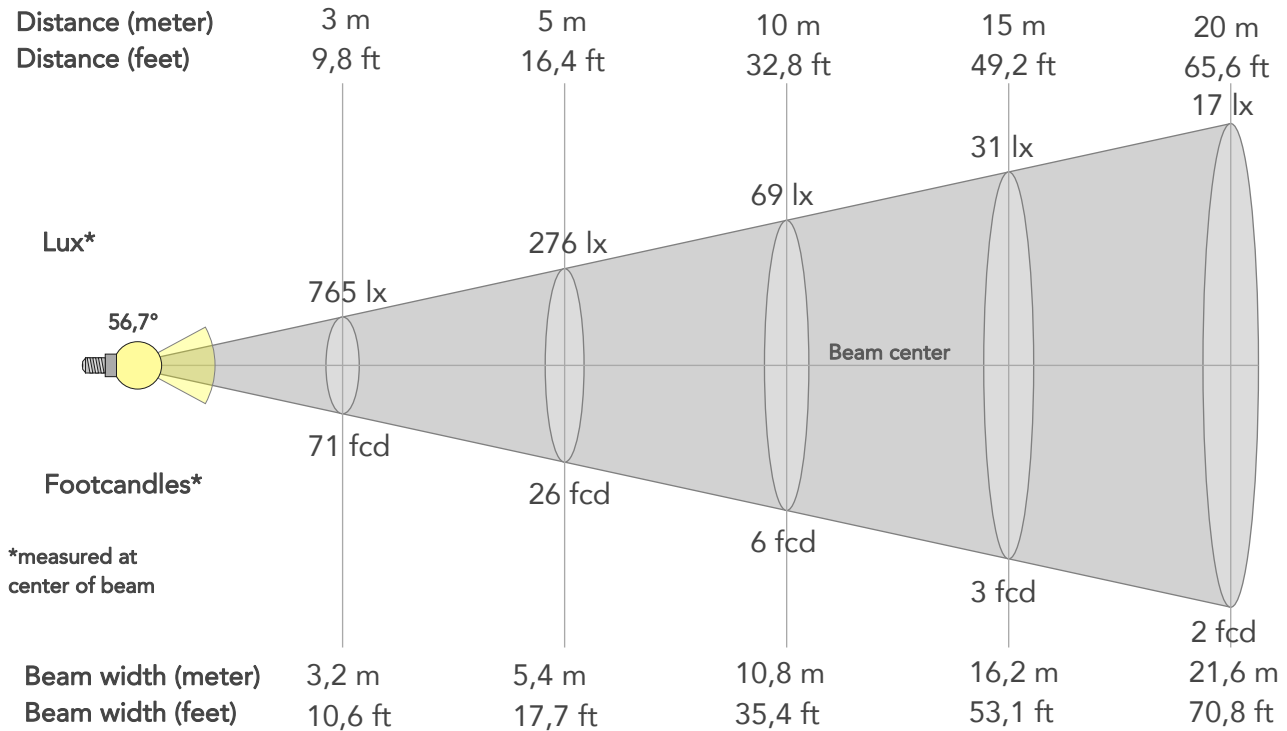
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	96	2%	-1%
8	97	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	9%
12	90	2%	7%
13	91	5%	6%
14	91	5%	2%
15	88	11%	-3%
16	94	3%	-2%



# BEAM DETAILS



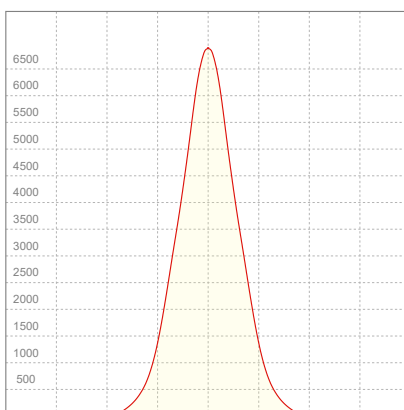
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,7°	108°	142,1°	94,2%	80,4%



## 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	6888lx	1722lx	765lx	431lx	276lx	122lx	69lx	31lx	17lx	11lx	8lx	4lx	3lx
Footcand.	640fcd	160fcd	71fcd	40fcd	26fcd	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	43,2m	53,9m
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

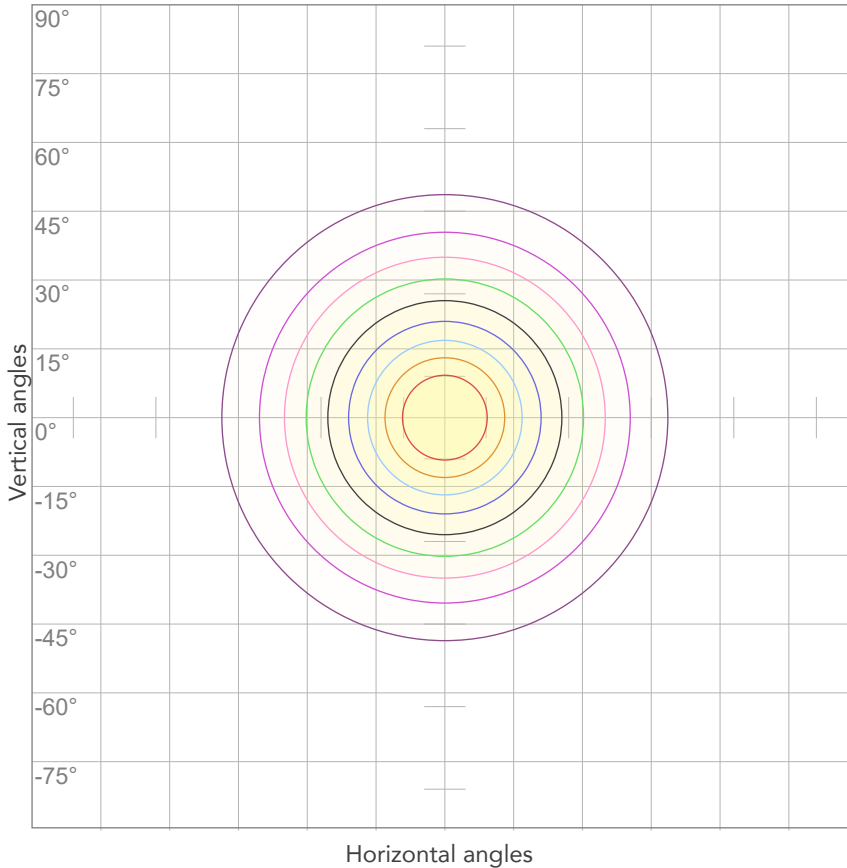


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,580A	126,4W	0,97	60lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



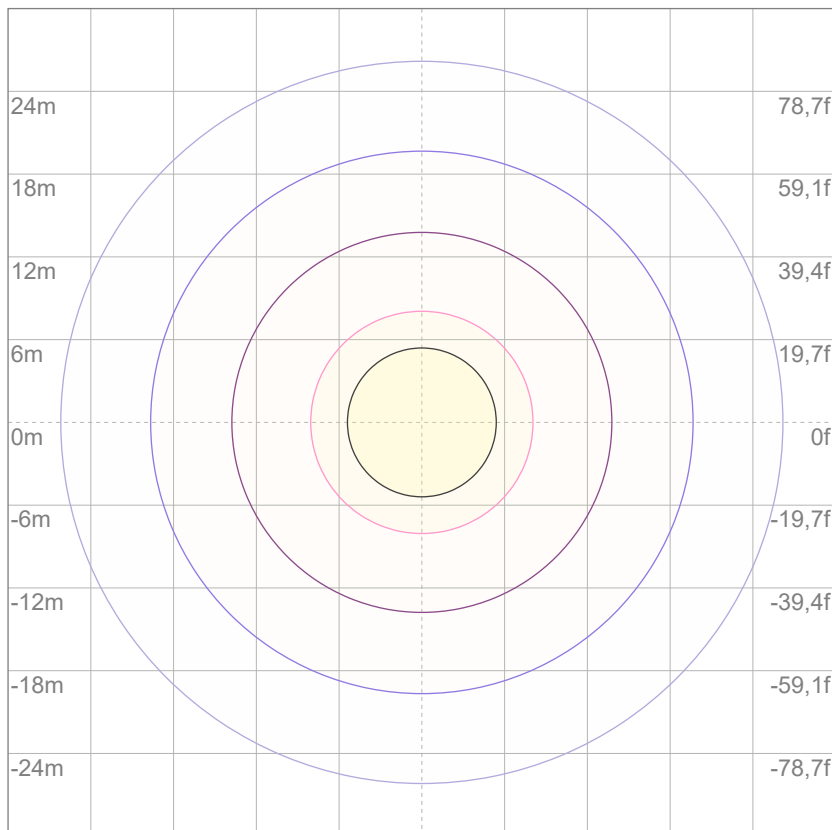
10%	689 cd
20%	1378 cd
30%	2066 cd
40%	2755 cd
50%	3444 cd
60%	4133 cd
70%	4822 cd
80%	5511 cd

Conditions:

Number of c-planes: 2

Candela at center: 6888 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	2,07 lx
5%	3,44 lx
10%	6,89 lx
30%	20,7 lx
50%	34,4 lx

Conditions:

Number of c-planes: 2

Lux at center: 68,9 lx

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



Total lumen output:

11458 lm

Peak candela output:

23901 cd

Light quality:

CRI: 94,4

Color temperature:

5550 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 10°x60° Filter**

**Target:**

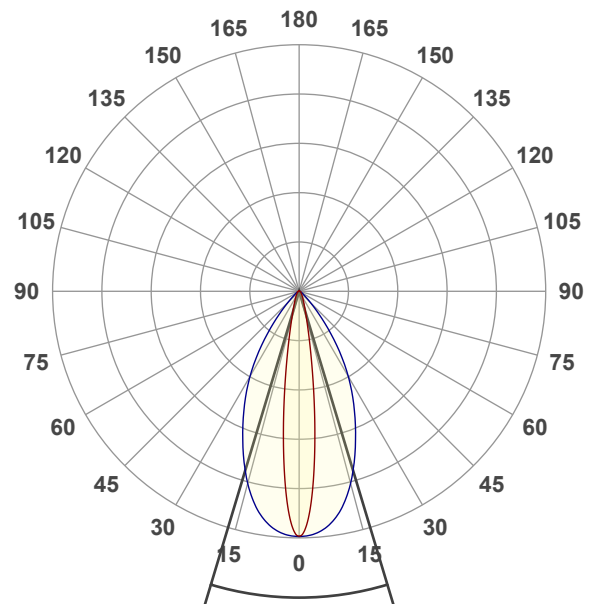
**5600K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 16:31:59**

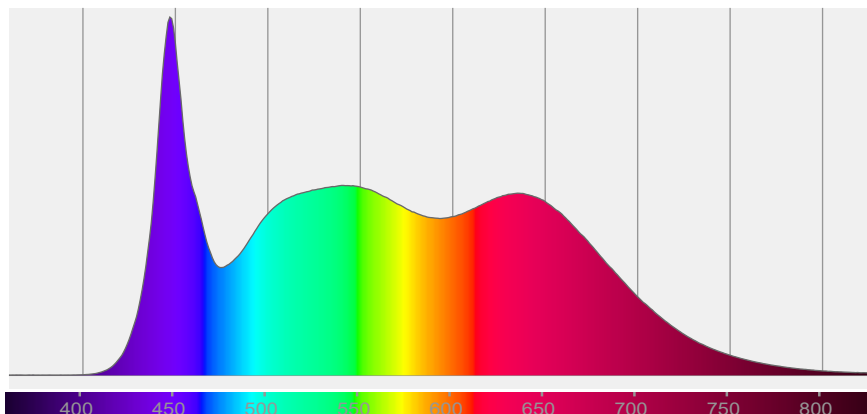


**Beam angle 50%: 33,5°**

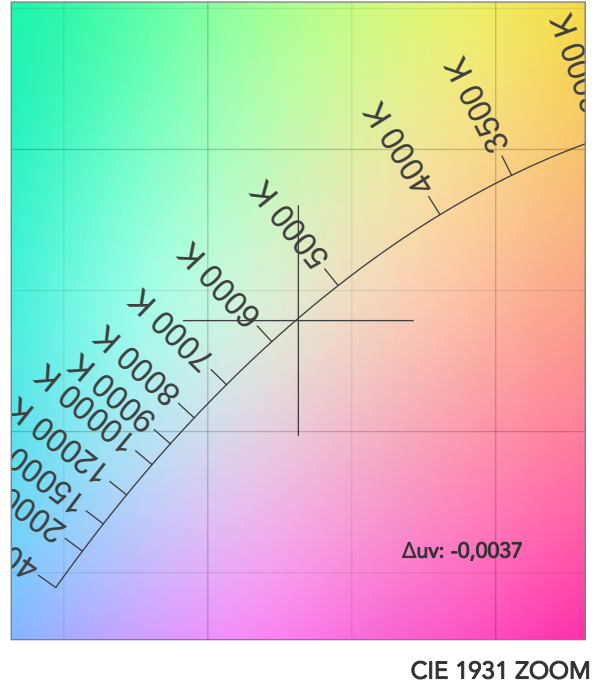
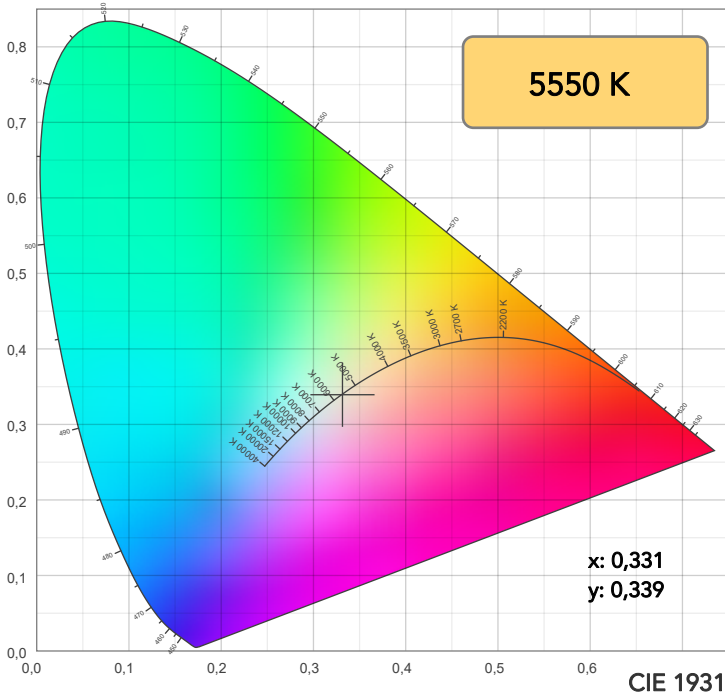
**Field angle 10%: 58,5°**

**Cut off angle 2.5%: 84,2°**

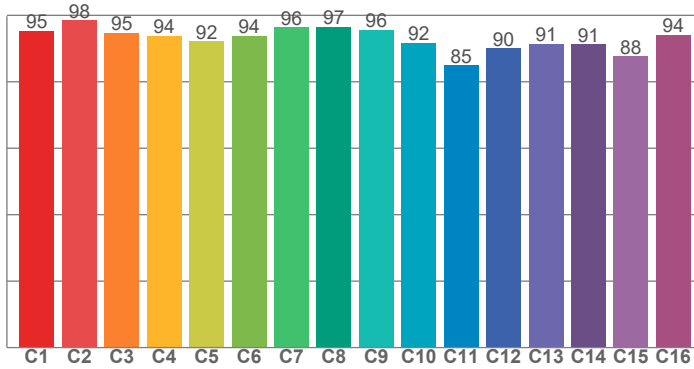
**Spectra**



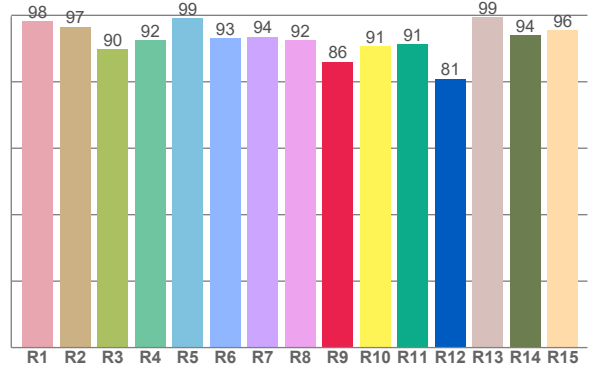
# COLOR DETAILS



TM30: 93,0



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
98,3	96,6	89,9	92,5	99,1	93,2	93,5	92,4	86,0	90,8	91,2	80,9	99,4	94,0	95,6

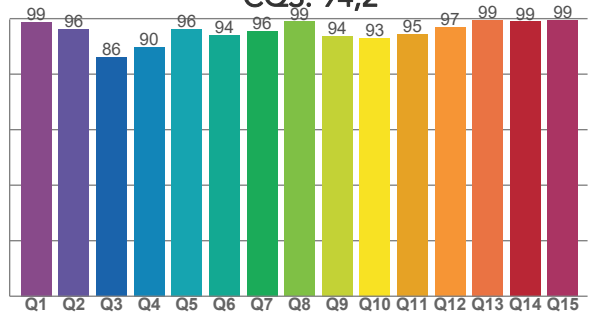
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,3	98,4	94,7	93,8	92,1	93,9	96,4	96,6	95,7	91,7	85,0	90,0	91,4	91,3	87,6	94,1

CQS Q values

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

CQS: 94,2



## COLOR PARAMETERS

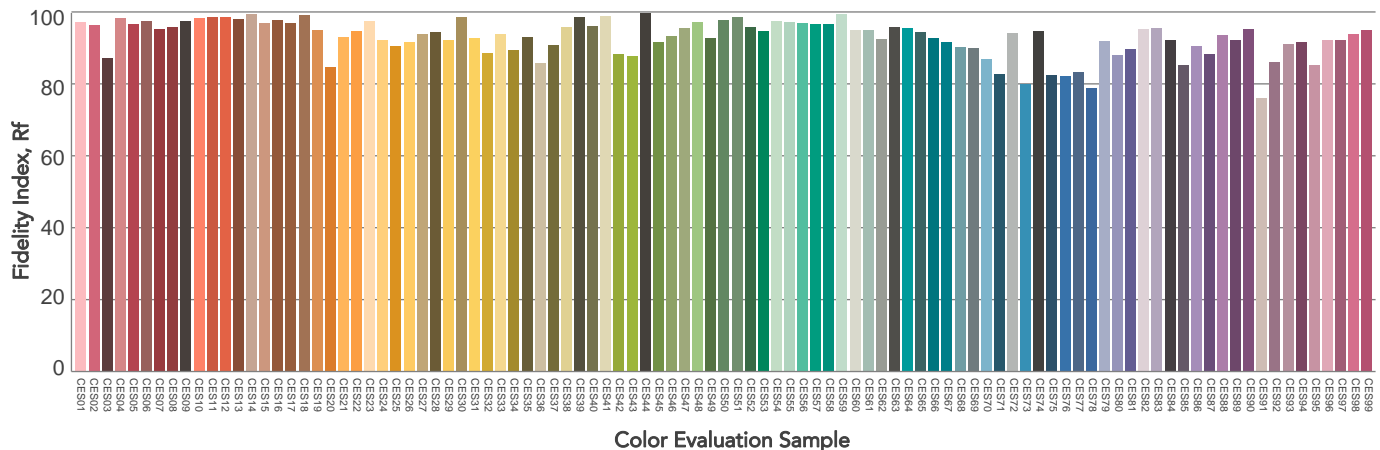
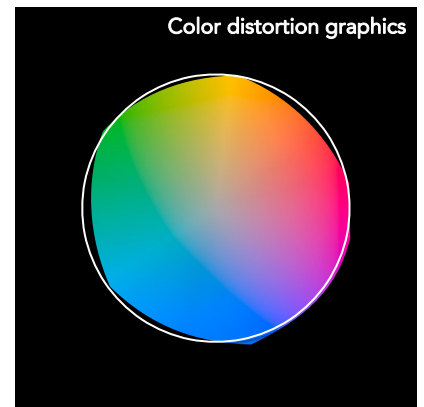
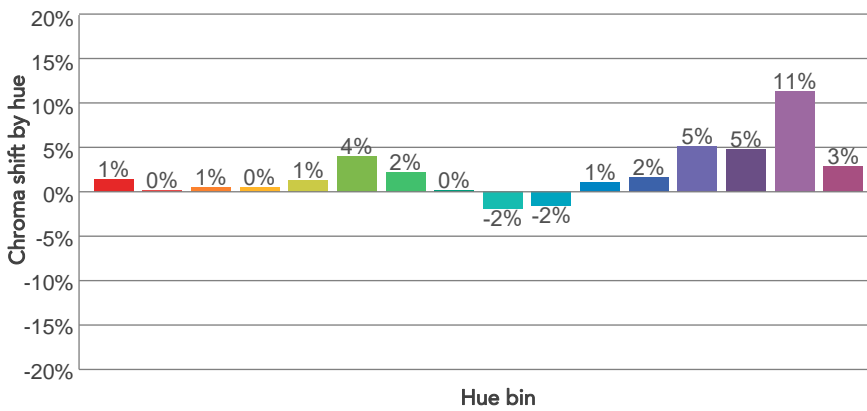
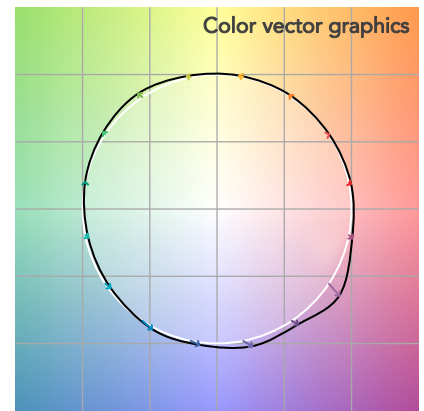
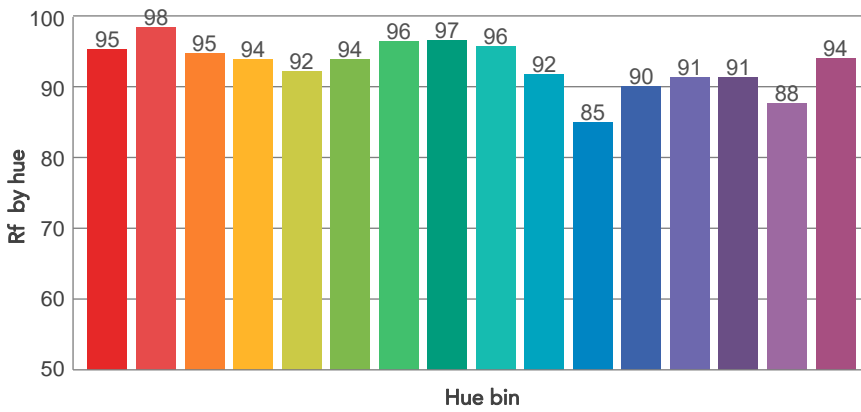
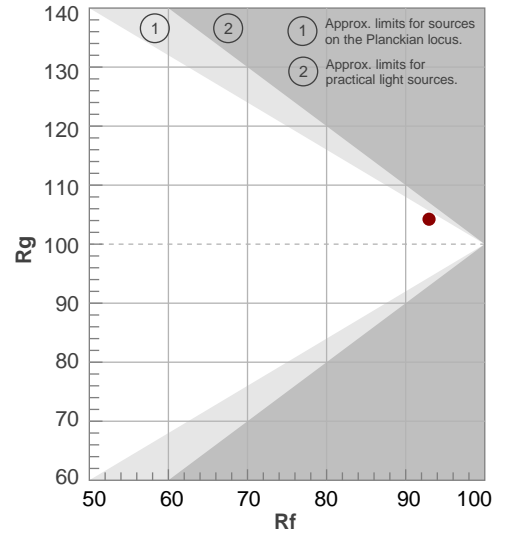
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5550 K	94,4	86,0	93,0	104,2	94,2	98	0,331	0,339	-0,0037

# TM30 DETAILS

**Rf 93,0**  
Fidelity index Rf

**Rg 104,2**  
Gammut index

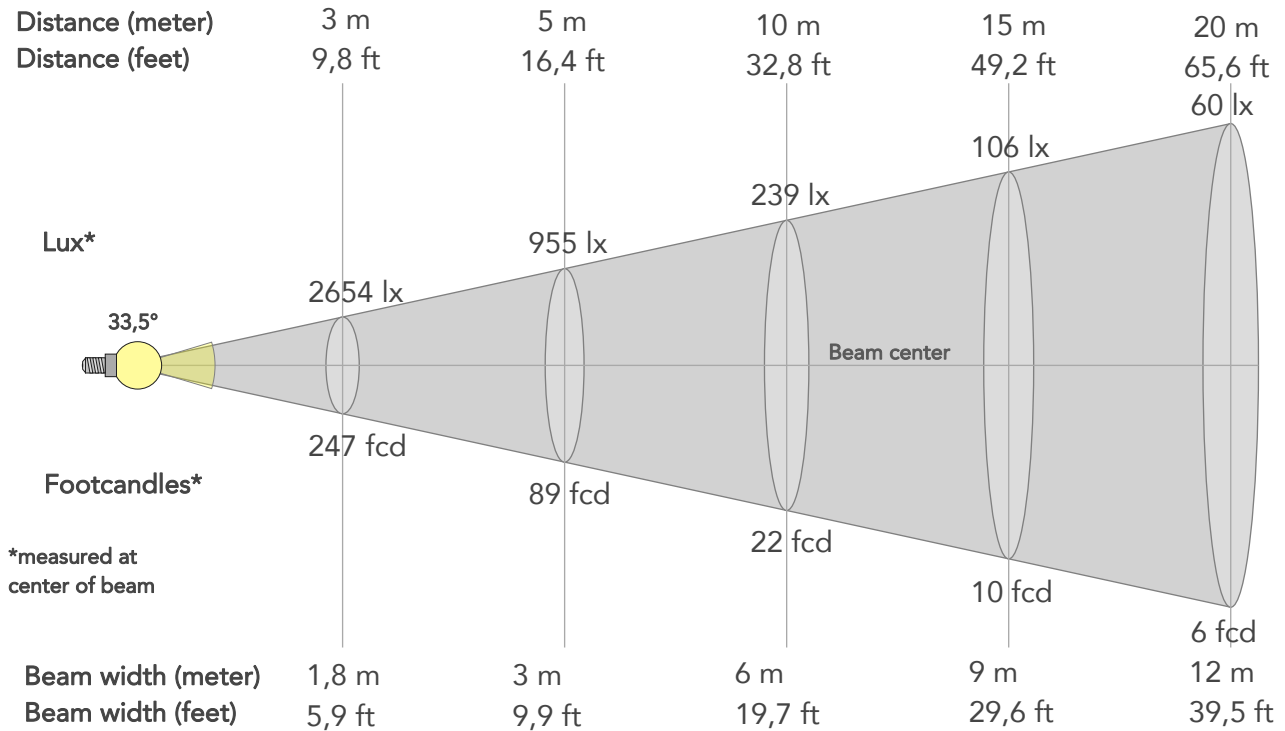
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	1%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	96	2%	-1%
8	97	0%	-1%
9	96	-2%	2%
10	92	-2%	5%
11	85	1%	9%
12	90	2%	7%
13	91	5%	6%
14	91	5%	2%
15	88	11%	-3%
16	94	3%	-2%



# BEAM DETAILS



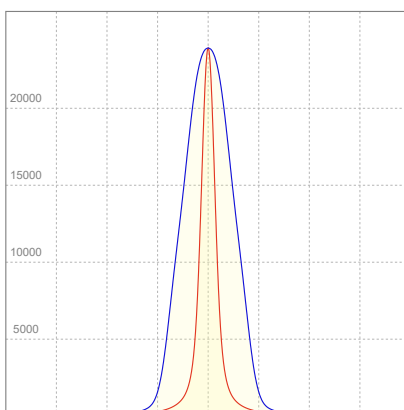
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	58,5°	84,2°	97,5%	92,4%



## 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	23887lx	5972lx	2654lx	1493lx	955lx	425lx	239lx	106lx	60lx	38lx	27lx	15lx	10lx
Footcand.	2219fcd	555fcd	247fcd	139fcd	89fcd	39fcd	22fcd	10fcd	6fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18,1m	24,1m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,7ft	29,6ft	39,5ft	49,3ft	59,2ft	79ft	98,7ft

## LINEAR DISTRIBUTION DIAGRAM



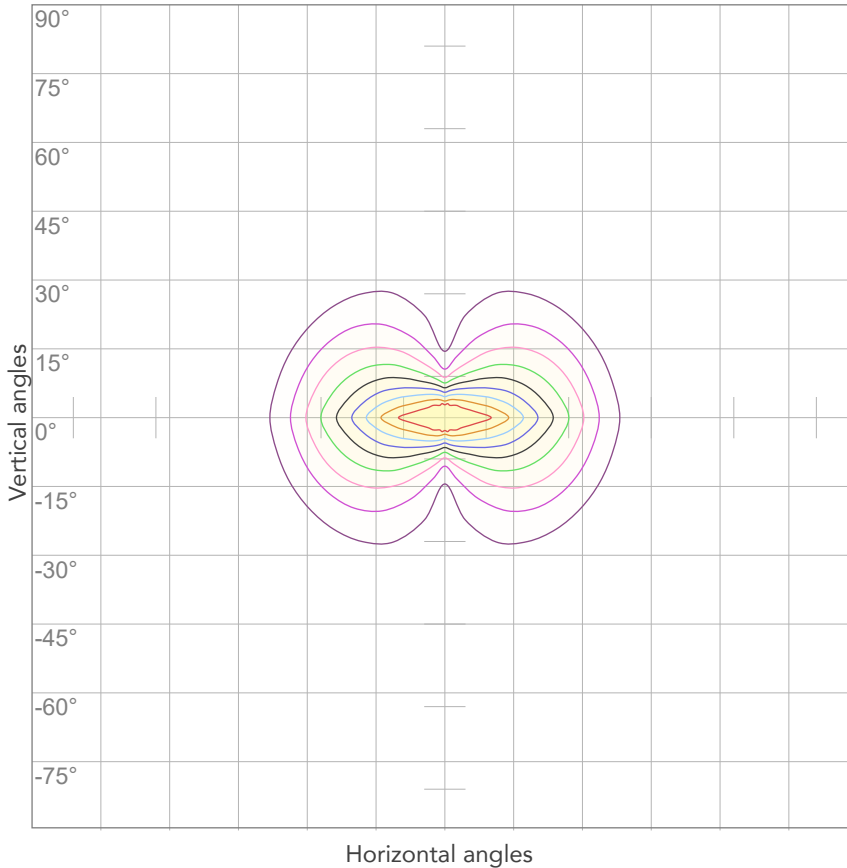
## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,119A	3,7W	0,14	3071lm/W



# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



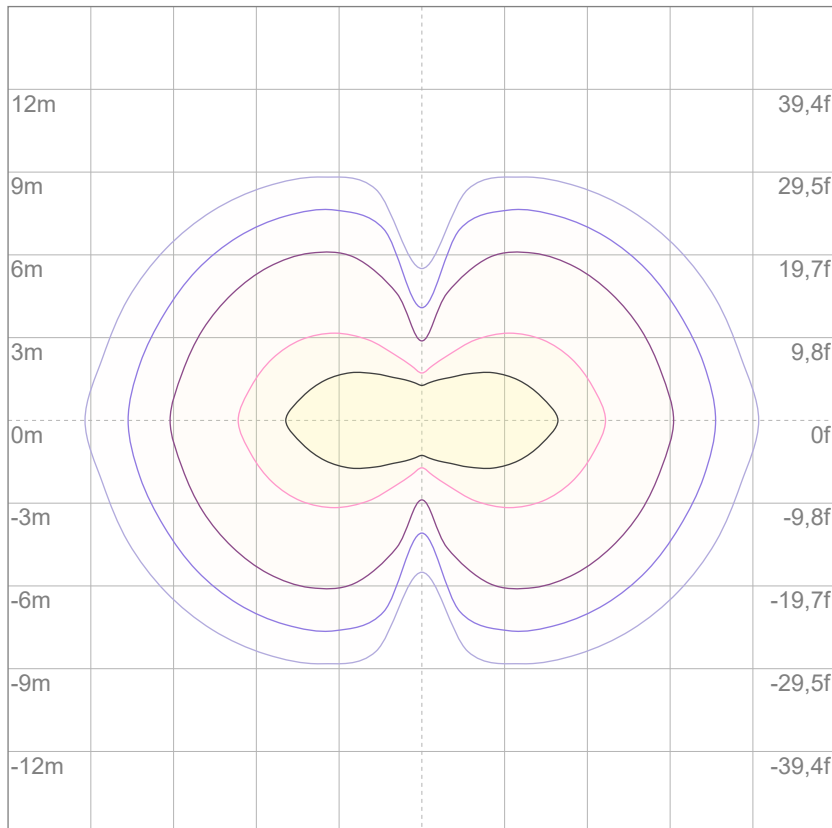
10%	2389 cd
20%	4777 cd
30%	7166 cd
40%	9555 cd
50%	11943 cd
60%	14332 cd
70%	16721 cd
80%	19110 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 23887 cd

## ISO LUX DIAGRAM



3%	7,17 lx
5%	11,9 lx
10%	23,9 lx
30%	71,7 lx
50%	119 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 239 lx

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



Total lumen output:

8282 lm

Peak candela output:

12092 cd

Light quality:

CRI: 94,5

Color temperature:

5603 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 30°x60° Filter**

**Target:**

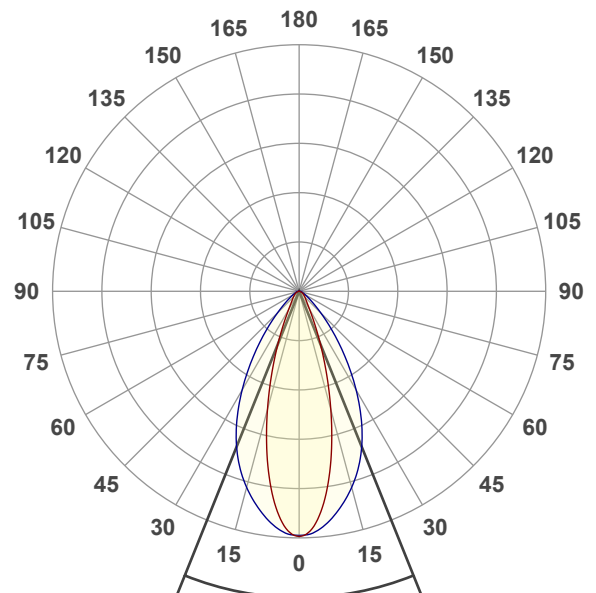
**5600K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 17:15:02**

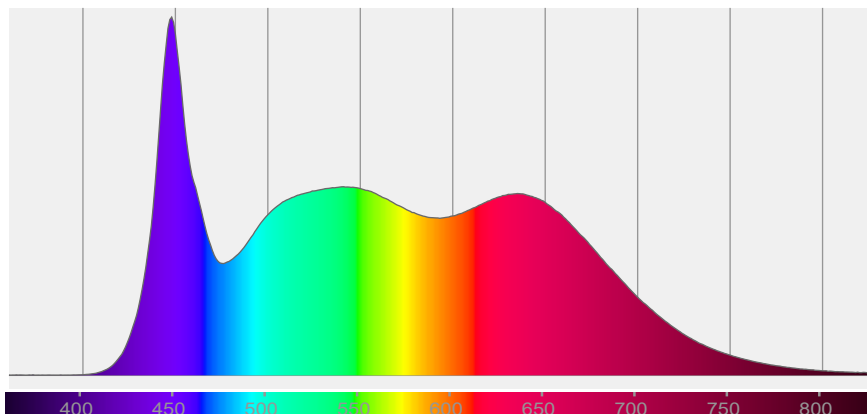


**Beam angle 50%: 43,8°**

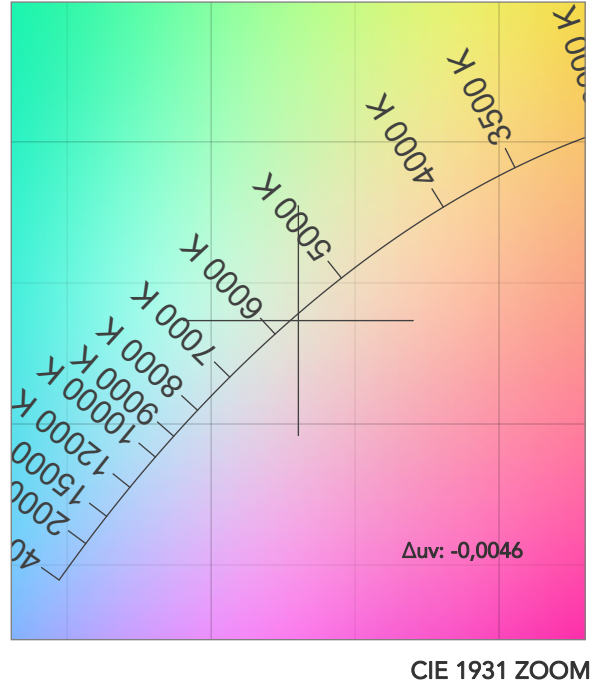
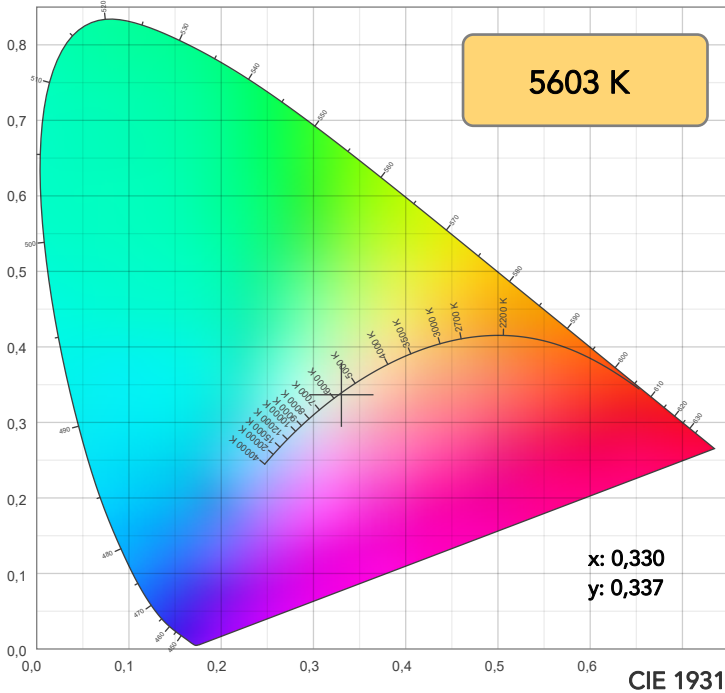
**Field angle 10%: 75,8°**

**Cut off angle 2.5%: 113,6°**

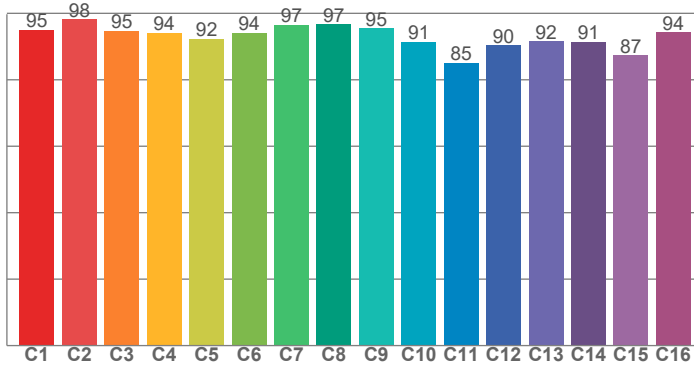
**Spectra**



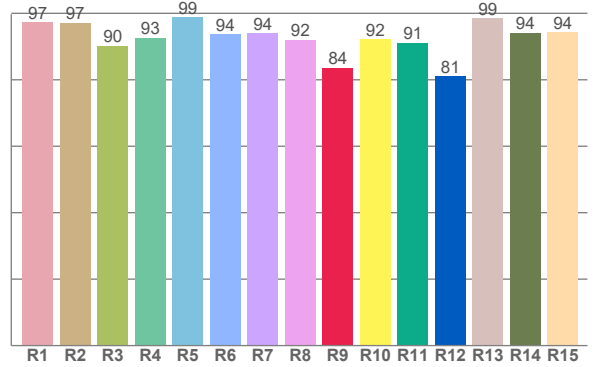
# COLOR DETAILS



**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

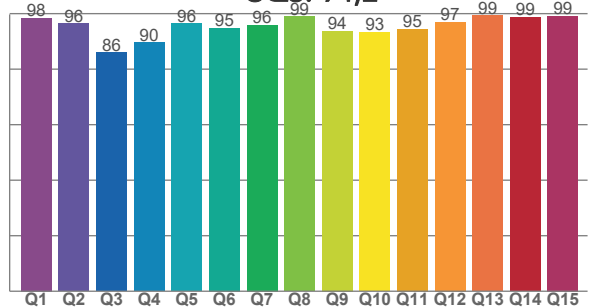
TM30 C values, 16 binned values out of total of 99 C values

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

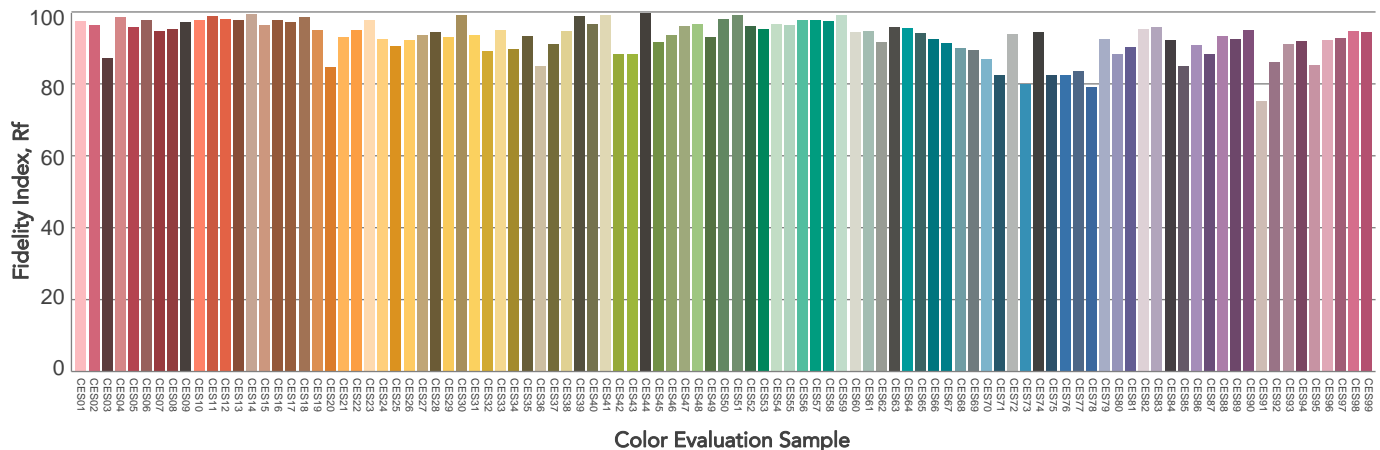
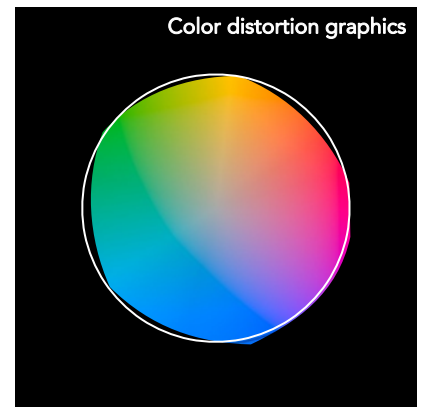
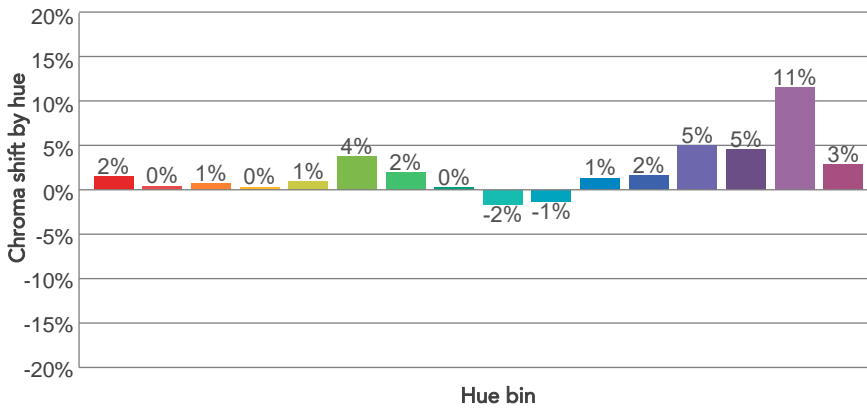
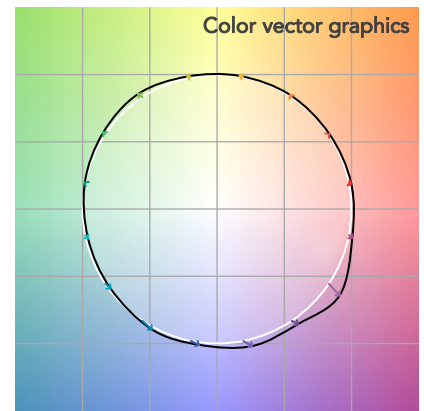
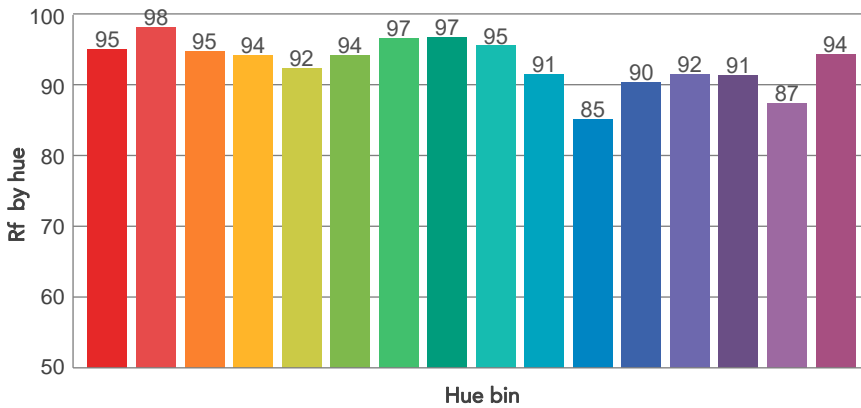
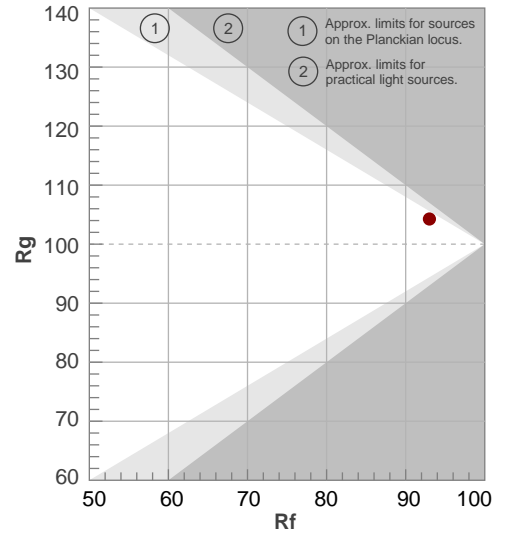
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5603 K	94,5	83,7	93,0	104,3	94,2	98	0,330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

# TM30 DETAILS

**Rf 93,0**  
Fidelity index Rf

**Rg 104,3**  
Gammut index

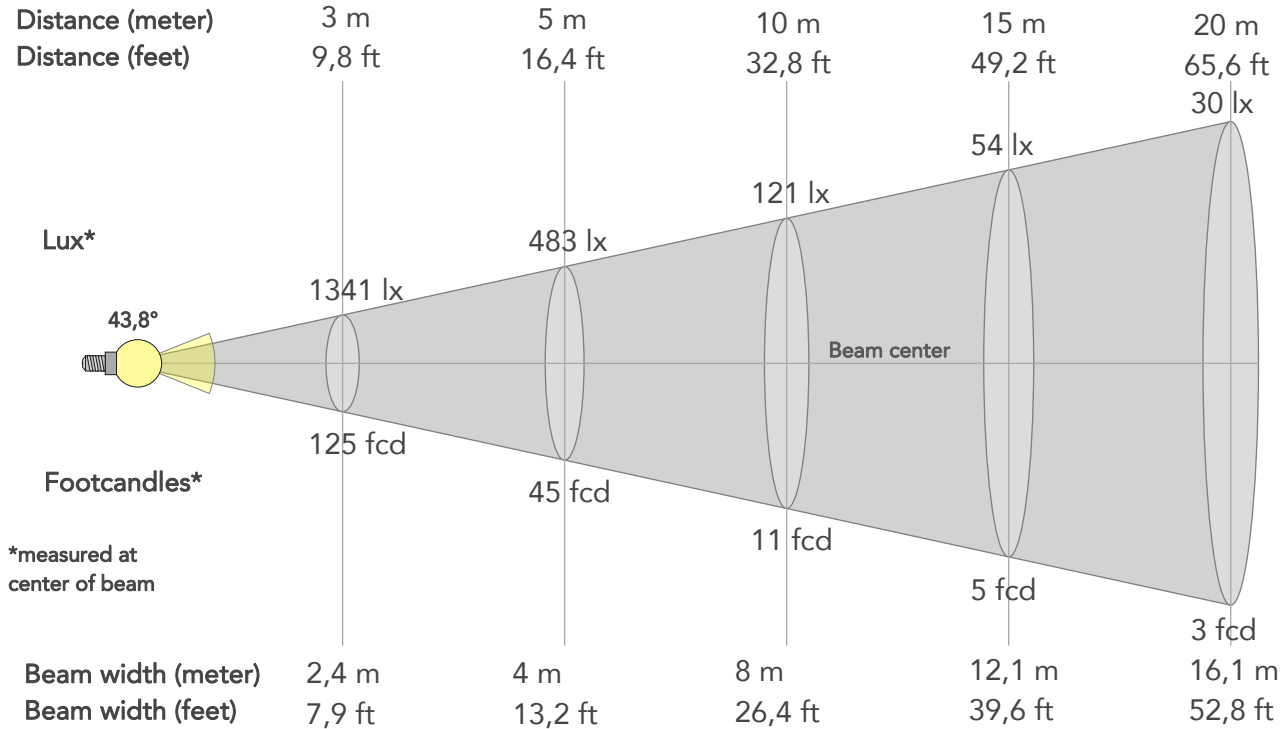
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	95	2%	-1%
2	98	0%	0%
3	95	1%	2%
4	94	0%	3%
5	92	1%	3%
6	94	4%	1%
7	97	2%	0%
8	97	0%	0%
9	95	-2%	3%
10	91	-1%	5%
11	85	1%	9%
12	90	2%	7%
13	92	5%	6%
14	91	5%	3%
15	87	11%	-3%
16	94	3%	-1%



# 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%

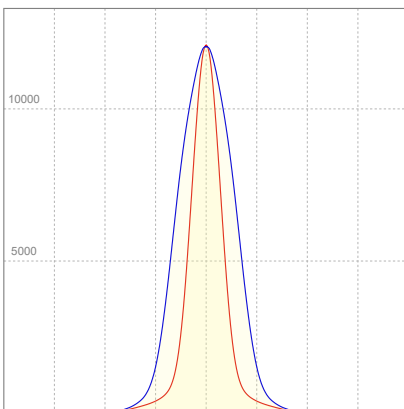


\*measured at center of beam

## 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	12067lx	3017lx	1341lx	754lx	483lx	215lx	121lx	54lx	30lx	19lx	13lx	8lx	5lx
Footcand.	1121fcd	280fcd	125fcd	70fcd	45fcd	20fcd	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	132ft

## LINEAR DISTRIBUTION DIAGRAM

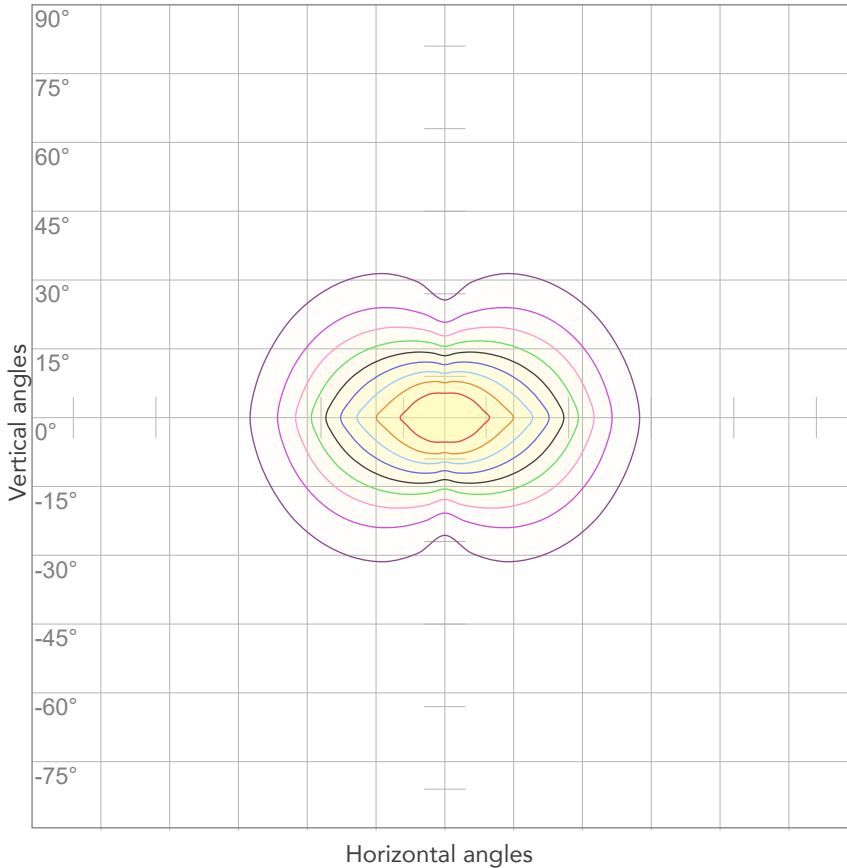


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,568A	124,8W	0,98	66lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



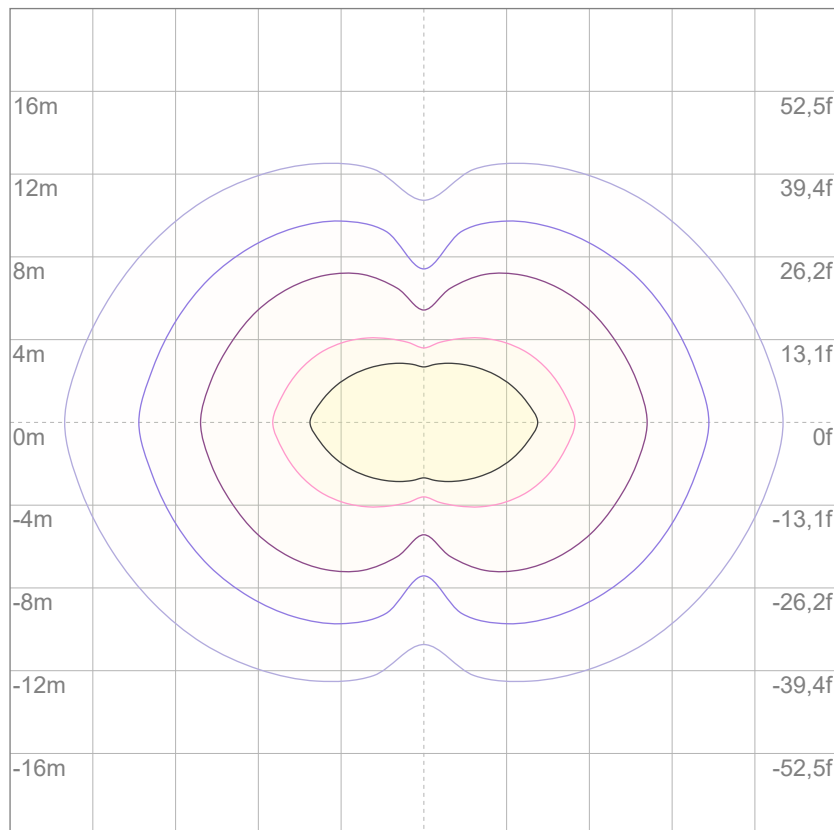
10%	1207 cd
20%	2413 cd
30%	3620 cd
40%	4827 cd
50%	6033 cd
60%	7240 cd
70%	8447 cd
80%	9653 cd

### Conditions:

Number of c-planes: 4

Candela at center: 12067 cd

## ISO LUX DIAGRAM



3%	3,62 lx
5%	6,03 lx
10%	12,1 lx
30%	36,2 lx
50%	60,3 lx

### Conditions:

Number of c-planes: 4

Lux at center: 121 lx

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



Total lumen output:

9304 lm

Peak candela output:

180239 cd

Light quality:

CRI: 93,7

Color temperature:

6493 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10°**

**Target:**

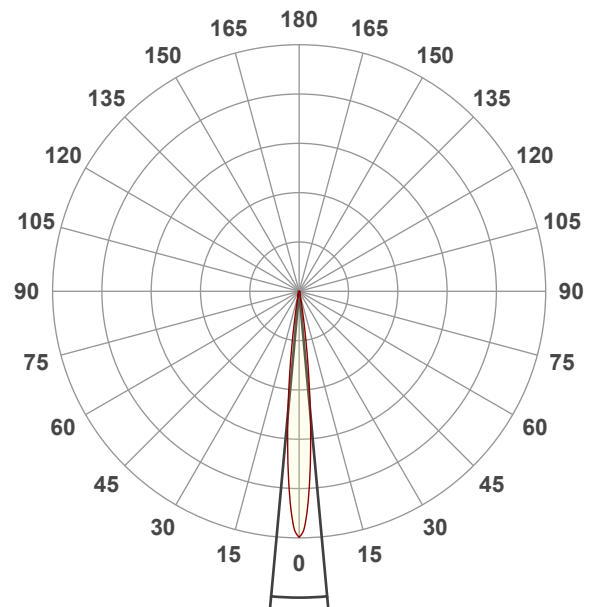
**6500K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:20:34**

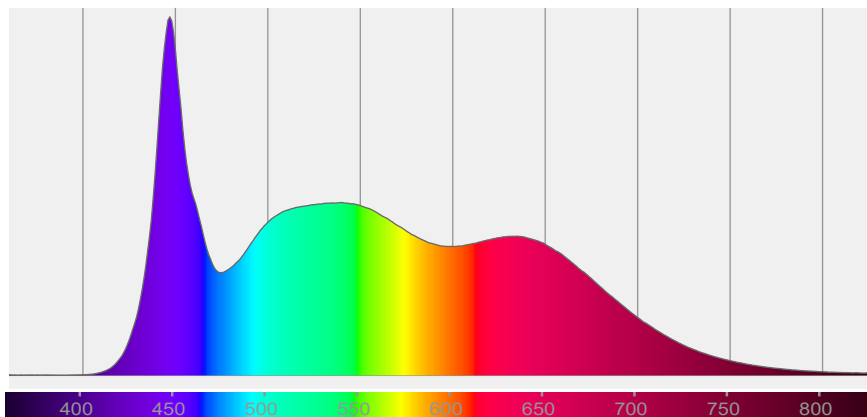


**Beam angle 50%: 10,5°**

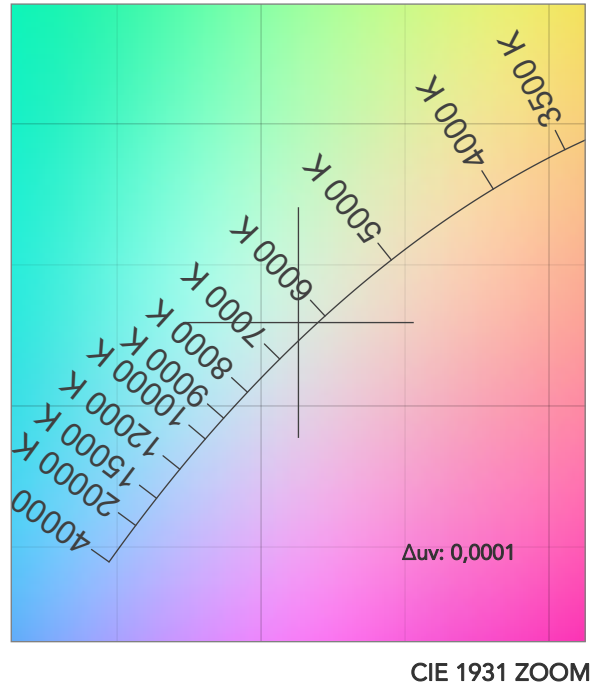
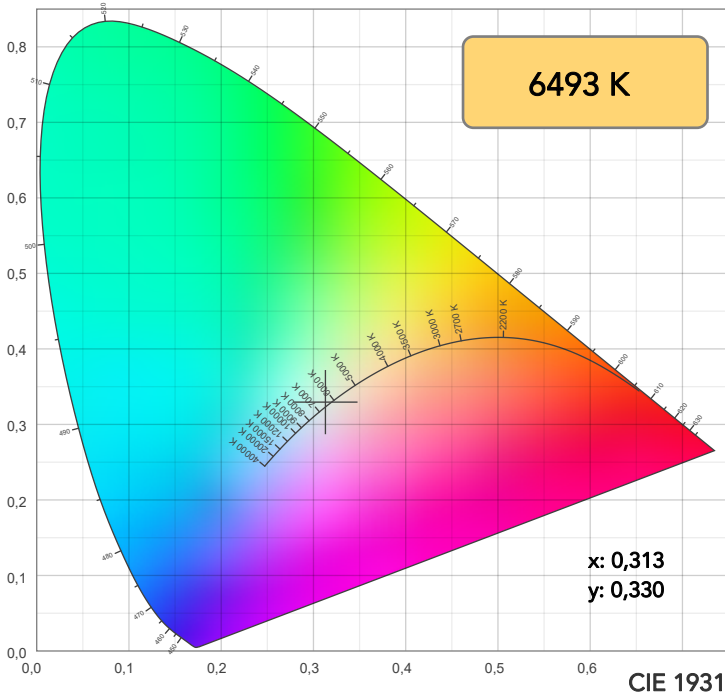
**Field angle 10%: 18,7°**

**Cut off angle 2.5%: 25,9°**

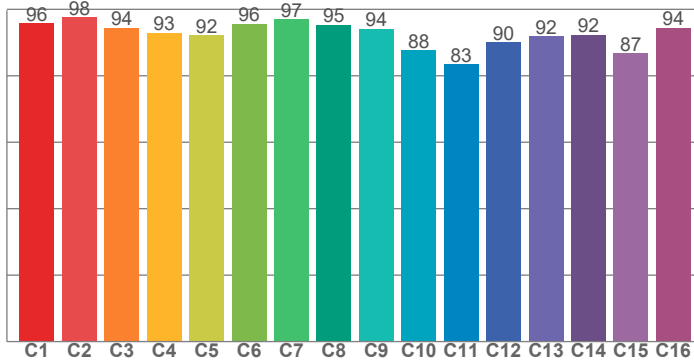
**Spectra**



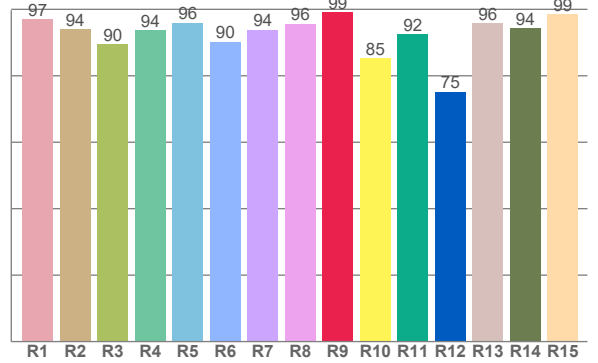
# COLOR DETAILS



**TM30: 92,6**



**CRI: 93,7 (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	94,0	89,5	93,6	95,9	90,3	93,9	95,7	99,0	85,2	92,4	75,2	95,9	94,2	98,5

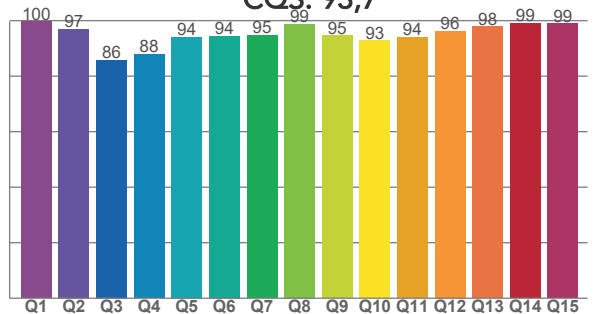
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	97,6	94,4	92,9	92,2	95,6	96,9	95,4	94,1	87,6	83,5	90,0	91,9	92,3	86,7	94,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	97,0	85,8	87,9	94,2	94,4	94,7	98,8	94,7	92,9	94,0	96,2	97,8	99,0	99,0

**CQS: 93,7**



## 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
6493 K	93,7	99,0	92,6	102,3	93,7	98	0,313	0,330	0,0001

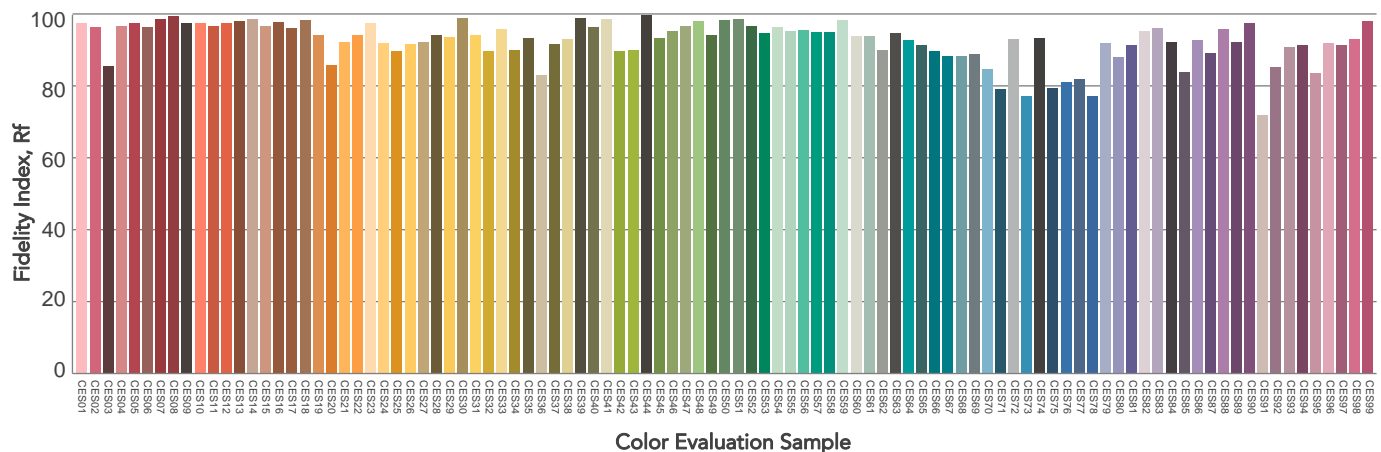
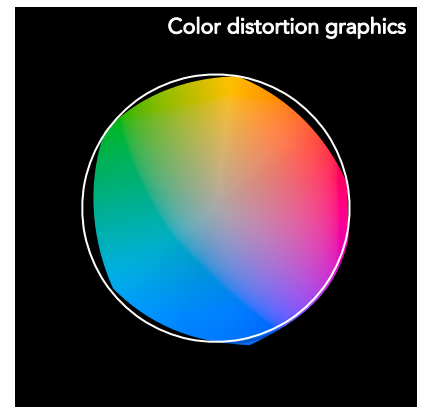
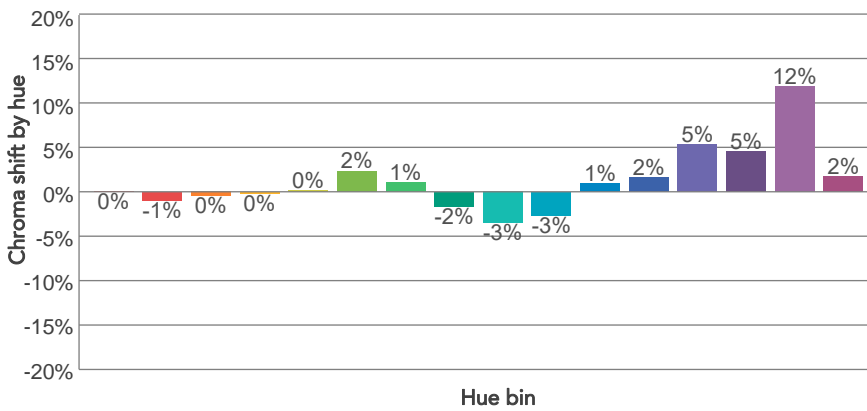
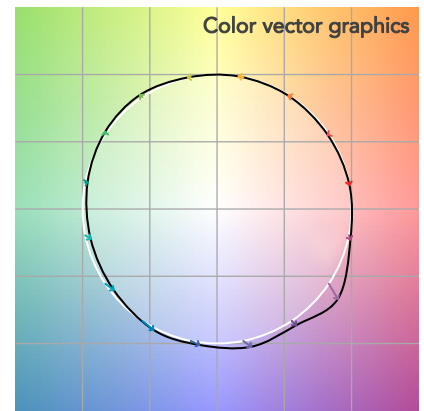
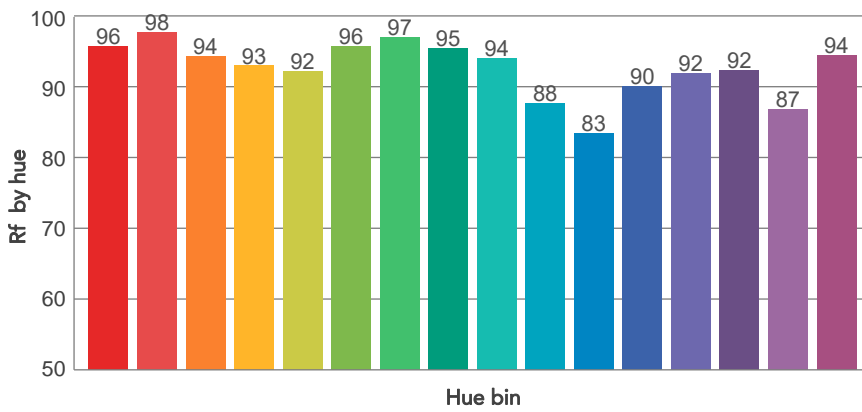
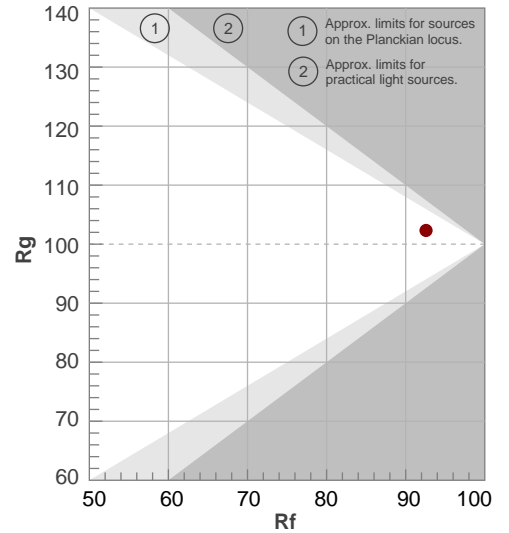


# TM30 DETAILS

**Rf 92,6**  
Fidelity index Rf

**Rg 102,3**  
Gammut index

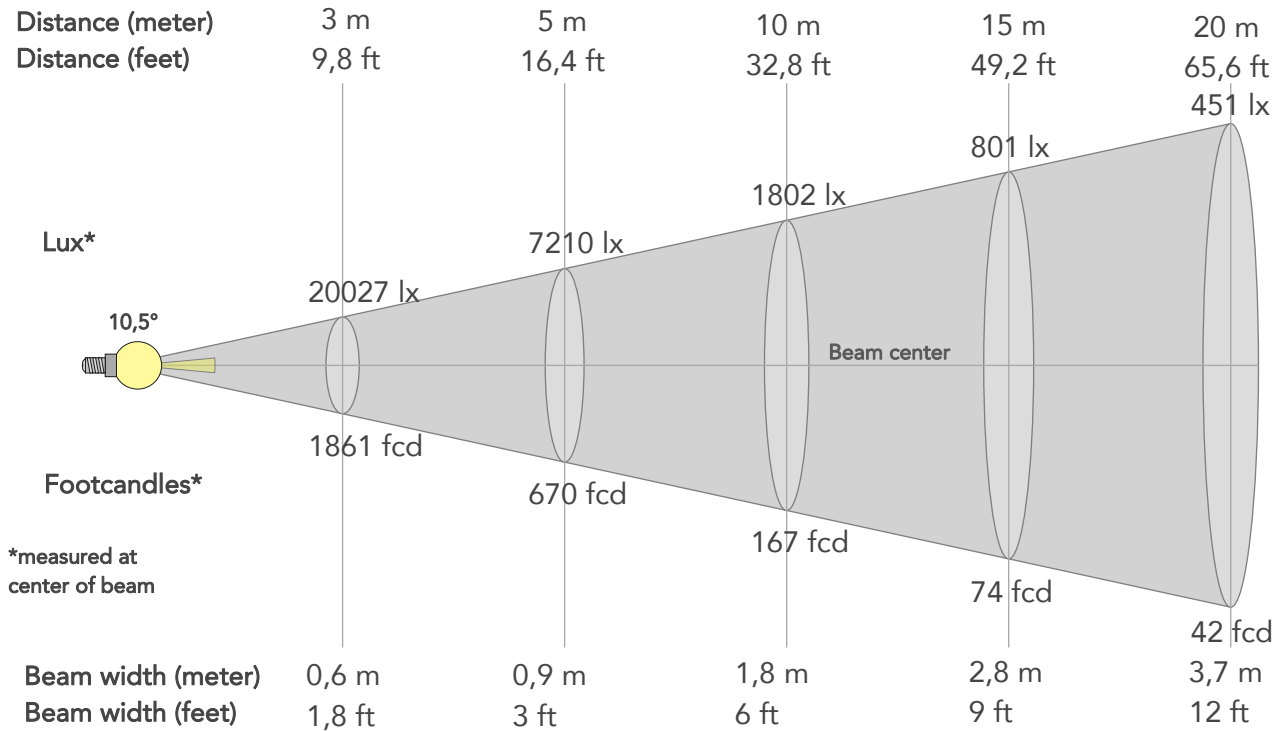
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-2%
2	98	-1%	0%
3	94	0%	3%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	95	-2%	-1%
9	94	-3%	3%
10	88	-3%	7%
11	83	1%	11%
12	90	2%	7%
13	92	5%	5%
14	92	5%	1%
15	87	12%	-6%
16	94	2%	-3%



# BEAM DETAILS



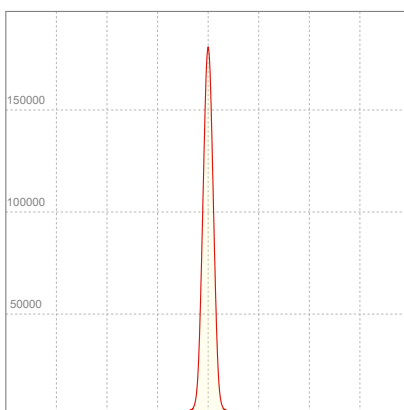
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,5°	18,7°	25,9°	95,8%	91,8%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	180239lx	45060lx	20027lx	11265lx	7210lx	3204lx	1802lx	801lx	451lx	288lx	200lx	113lx	72lx
Footcand.	16745fcd	4186fcd	1861fcd	1047fcd	670fcd	298fcd	167fcd	74fcd	42fcd	27fcd	19fcd	10fcd	7fcd
Beam wid.	0,2m	0,4m	0,6m	0,7m	0,9m	1,4m	1,8m	2,8m	3,7m	4,6m	5,5m	7,3m	9,2m
Beam wid.	0,6ft	1,2ft	1,8ft	2,4ft	3ft	4,5ft	6ft	9ft	12ft	15,1ft	18,1ft	24,1ft	30,1ft

## LINEAR DISTRIBUTION DIAGRAM

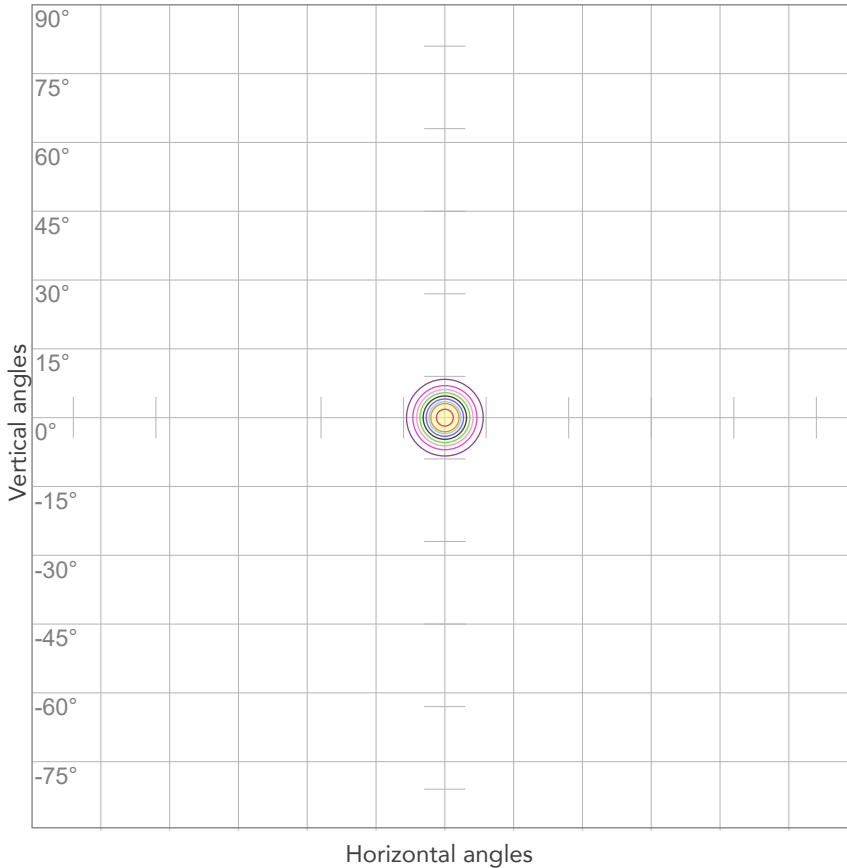


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,578A	126,9W	0,97	73lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



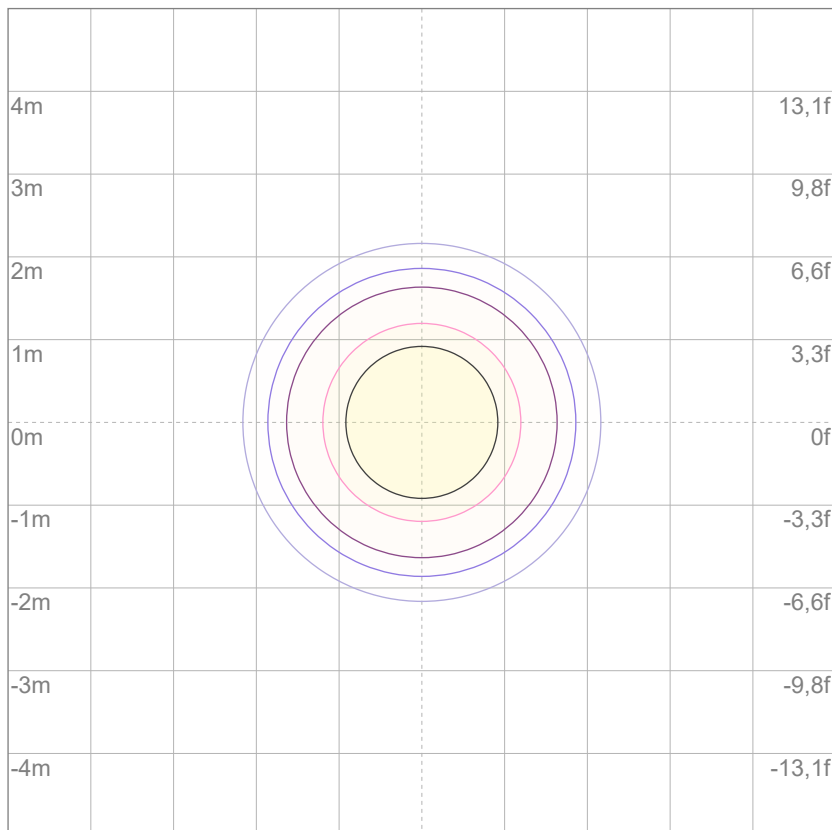
10%	18024 cd
20%	36048 cd
30%	54072 cd
40%	72095 cd
50%	90119 cd
60%	108143 cd
70%	126167 cd
80%	144191 cd

Conditions:

Number of c-planes: 2

Candela at center: 180239 cd

## ISO LUX DIAGRAM



3%	54,1 lx
5%	90,1 lx
10%	180 lx
30%	541 lx
50%	901 lx

Conditions:

Number of c-planes: 2

Lux at center: 1802 lx

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



Total lumen output:

8380 lm

Peak candela output:

32875 cd

Light quality:

CRI: 94,0

Color temperature:

6495 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 20° Filter

Target:

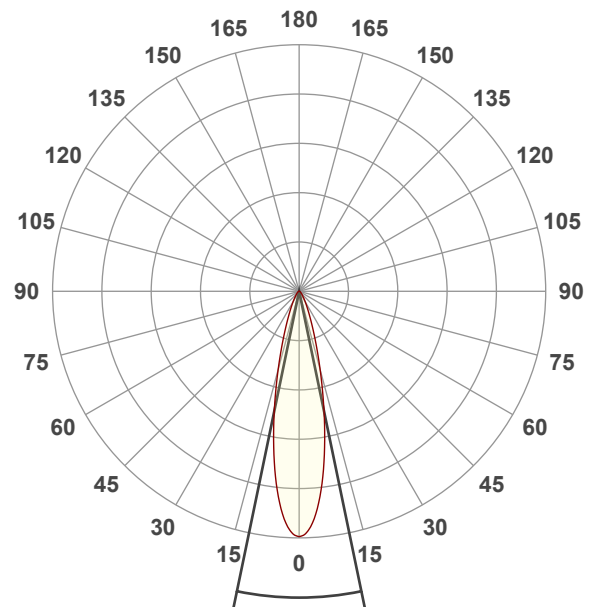
6500K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 14:40:48

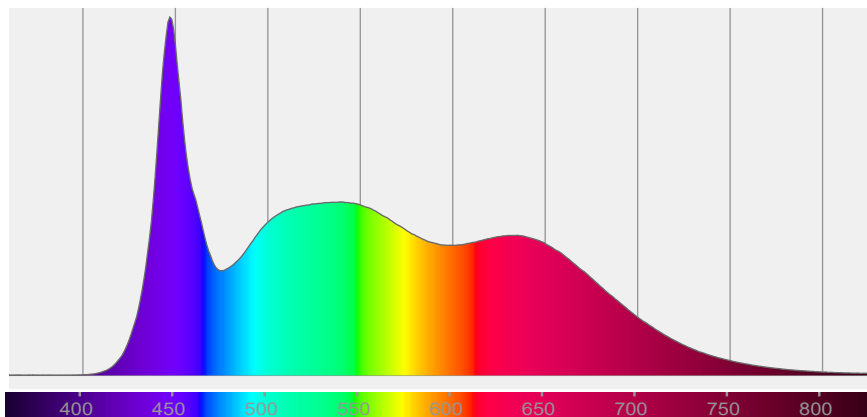


Beam angle 50%: 23,4°

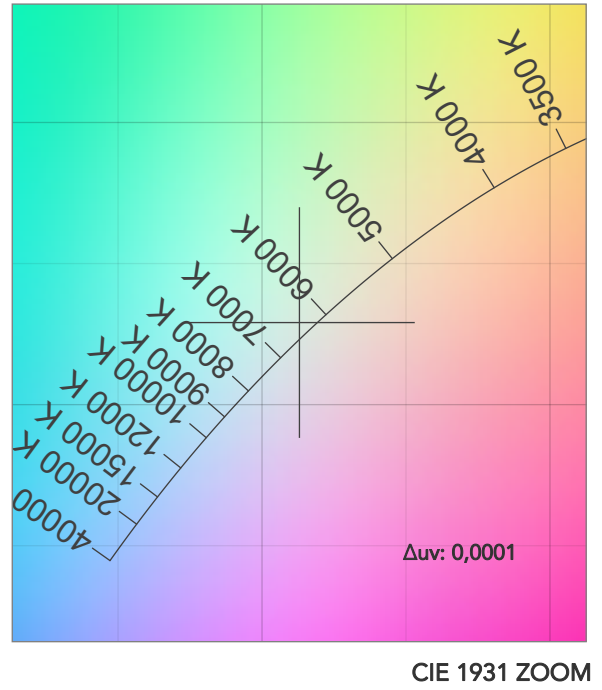
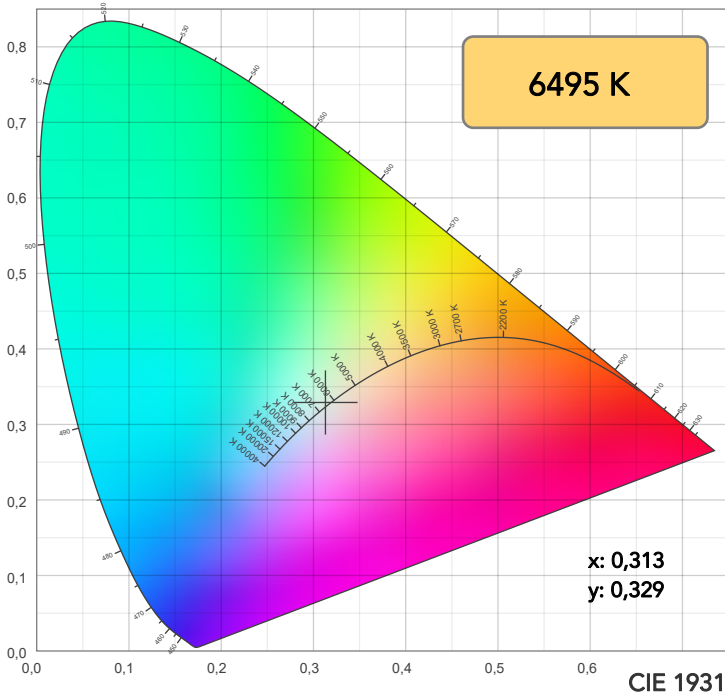
Field angle 10%: 47,7°

Cut off angle 2.5%: 74°

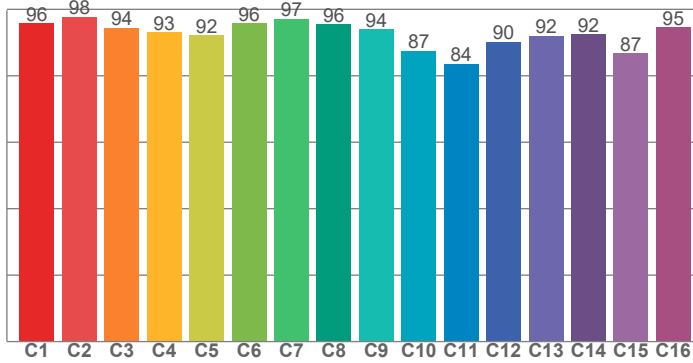
Spectra



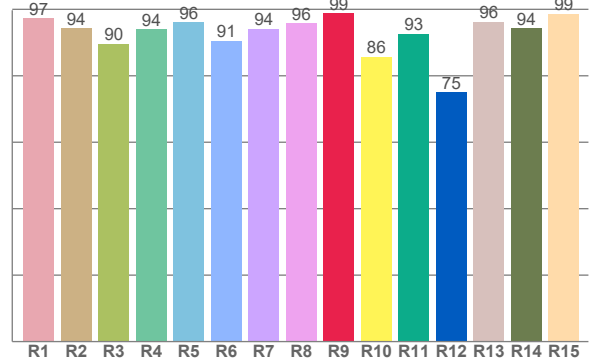
# COLOR DETAILS



**TM30: 92,6**



**CRI: 94,0 (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
97,3	94,3	89,7	93,9	96,2	90,5	94,1	95,8	98,8	85,7	92,6	75,1	96,2	94,3	98,7

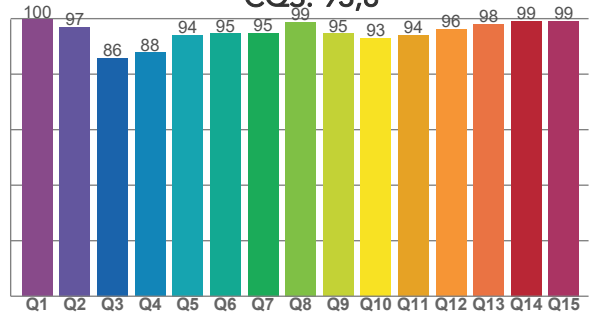
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,8	97,7	94,4	93,1	92,1	95,7	97,1	95,5	94,0	87,5	83,5	90,2	92,0	92,4	86,7	94,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,7	97,1	85,8	87,7	94,1	94,7	94,8	98,9	94,6	92,9	94,0	96,3	98,0	99,2	99,2

**CQS: 93,8**



## COLOR PARAMETERS

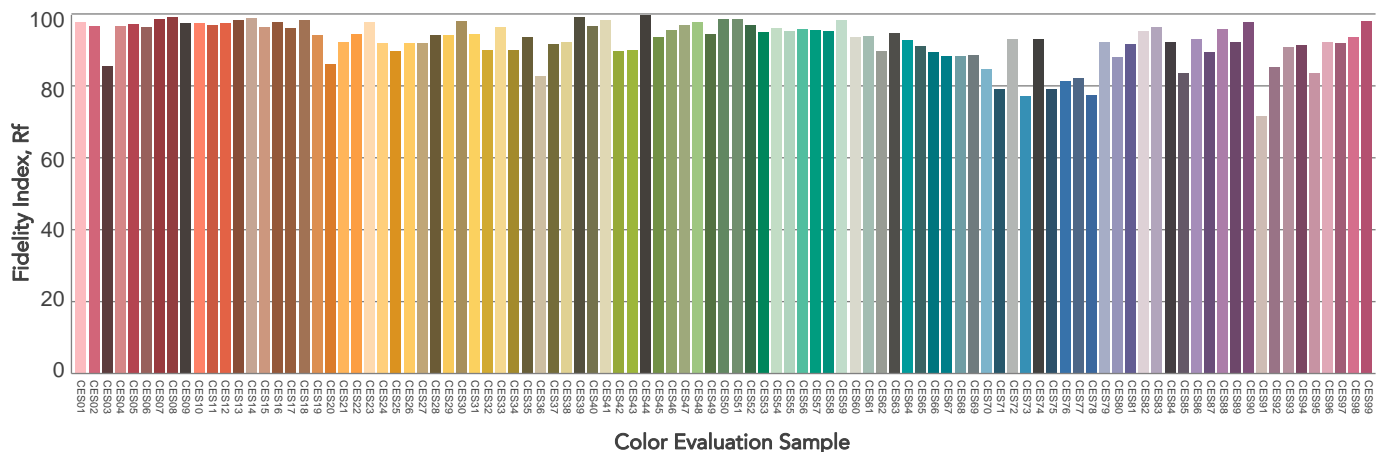
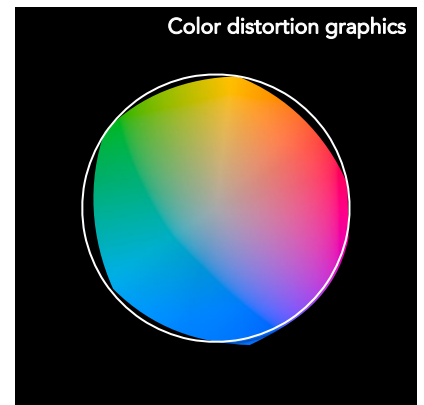
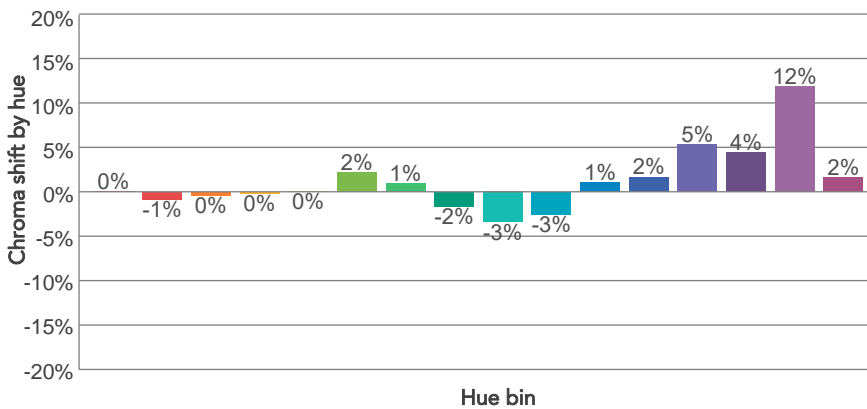
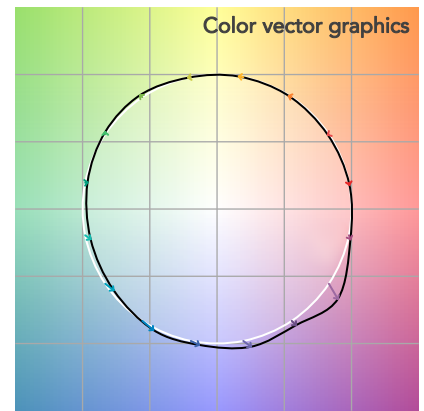
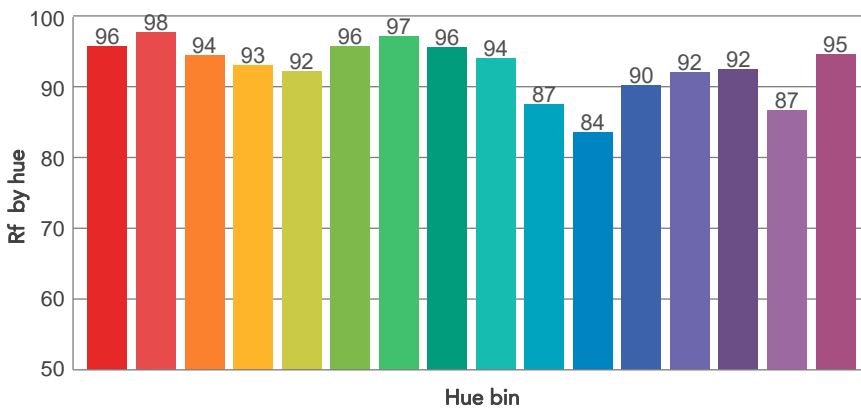
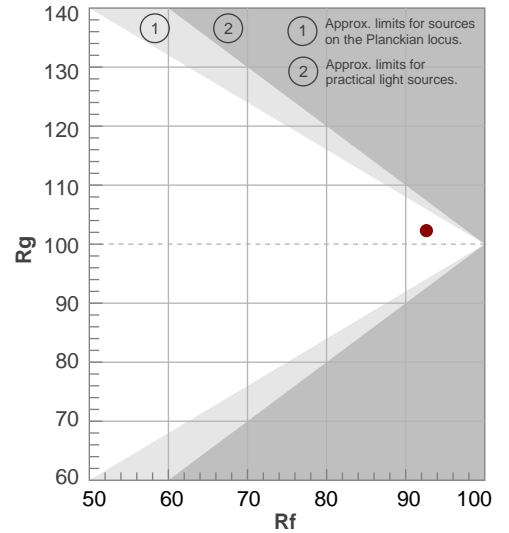
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
6495 K	94,0	98,8	92,6	102,3	93,8	98	0,313	0,329	0,0001

# TM30 DETAILS

**Rf 92,6**  
Fidelity index Rf

**Rg 102,3**  
Gammut index

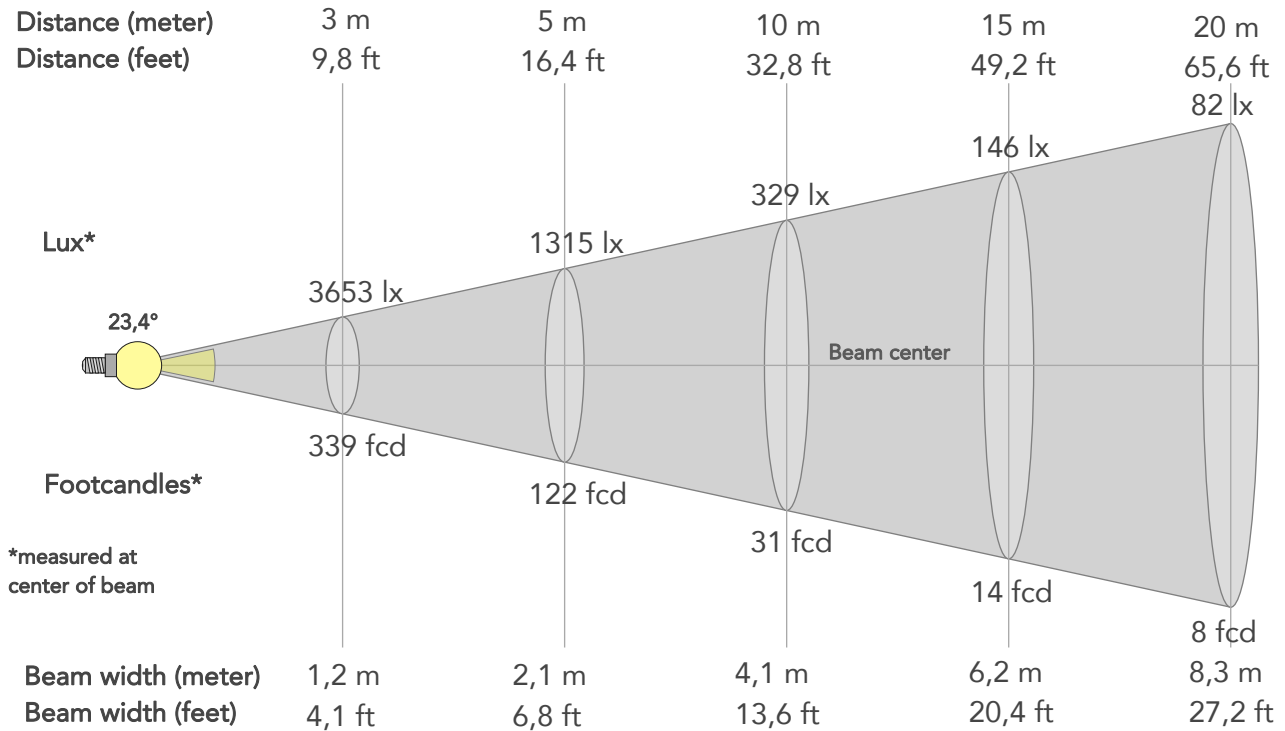
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	94	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	-1%
9	94	-3%	4%
10	87	-3%	7%
11	84	1%	11%
12	90	2%	7%
13	92	5%	5%
14	92	4%	1%
15	87	12%	-6%
16	95	2%	-3%



# BEAM DETAILS



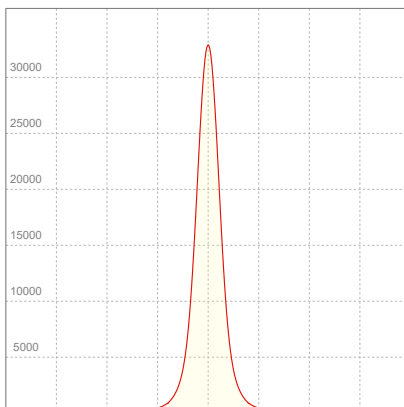
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,4°	47,7°	74°	96,8%	91,9%



## 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	32875lx	8219lx	3653lx	2055lx	1315lx	584lx	329lx	146lx	82lx	53lx	37lx	21lx	13lx
Footcand.	3054fcd	764fcd	339fcd	191fcd	122fcd	54fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,2m	1,7m	2,1m	3,1m	4,1m	6,2m	8,3m	10,4m	12,4m	16,6m	20,7m
Beam wid.	1,4ft	2,7ft	4,1ft	5,4ft	6,8ft	10,2ft	13,6ft	20,4ft	27,2ft	34ft	40,8ft	54,4ft	68ft

## LINEAR DISTRIBUTION DIAGRAM

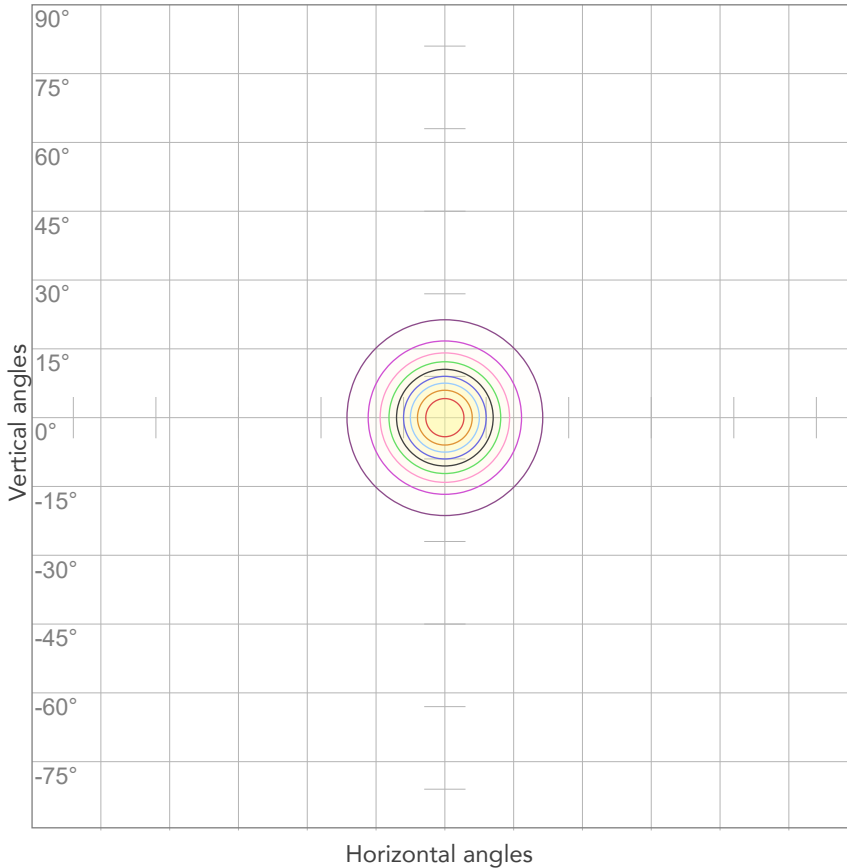


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,573A	126,2W	0,97	66lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



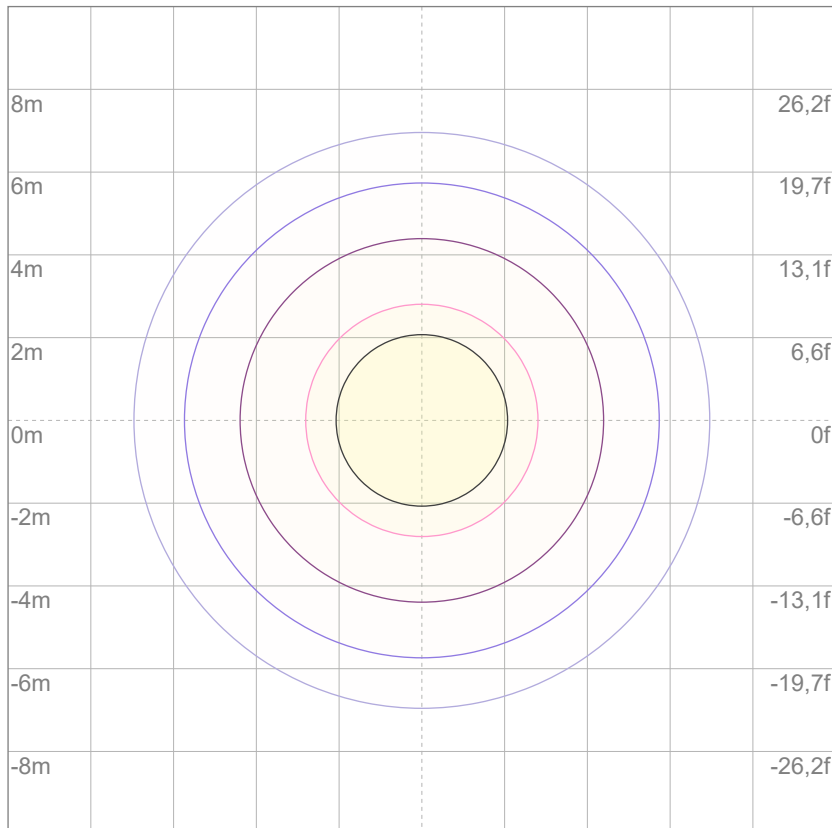
10%	3288 cd
20%	6575 cd
30%	9863 cd
40%	13150 cd
50%	16438 cd
60%	19725 cd
70%	23013 cd
80%	26300 cd

Conditions:

Number of c-planes: 2

Candela at center: 32875 cd

## ISO LUX DIAGRAM



3%	9,86 lx
5%	16,4 lx
10%	32,9 lx
30%	98,6 lx
50%	164 lx

Conditions:

Number of c-planes: 2

Lux at center: 329 lx

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





Total lumen output:

8211 lm

Peak candela output:

10366 cd

Light quality:

CRI: 94,1

Color temperature:

6547 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 40° Filter**

**Target:**

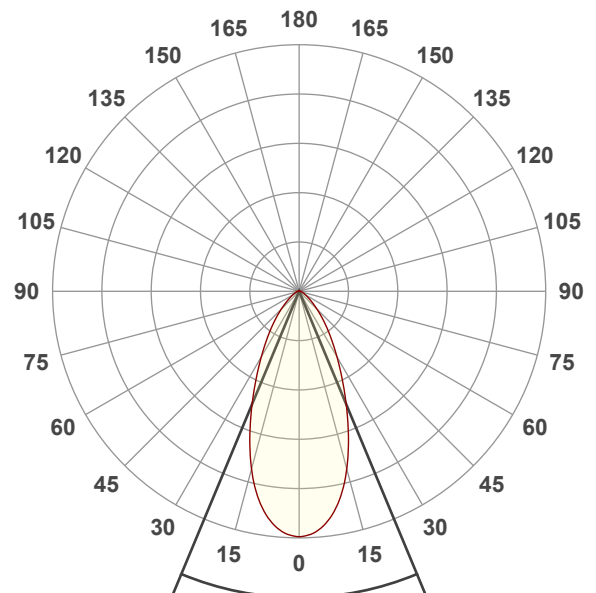
**6500K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 14:59:03**

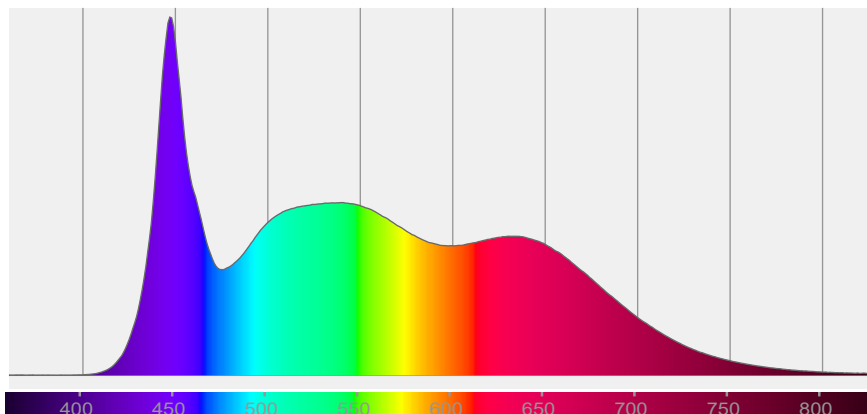


**Beam angle 50%: 45,2°**

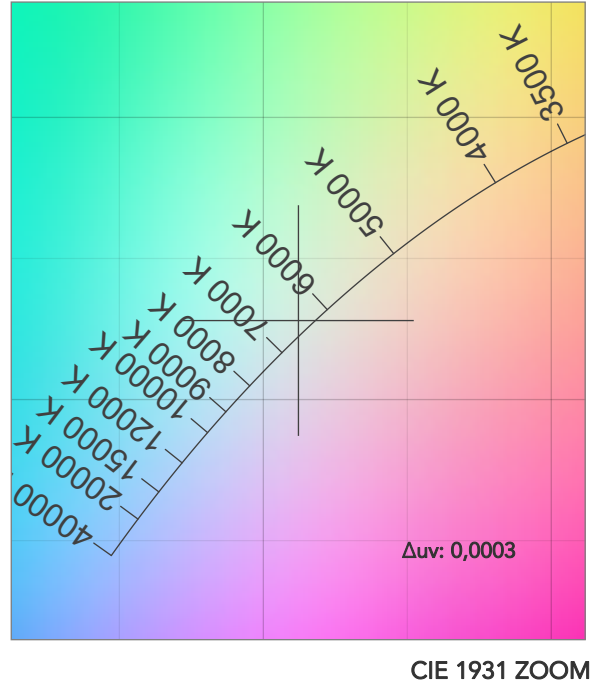
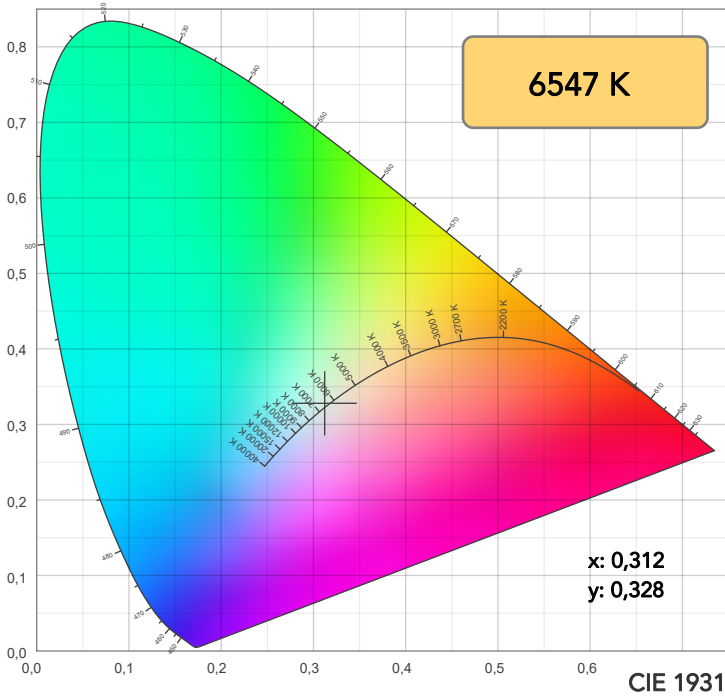
**Field angle 10%: 90,8°**

**Cut off angle 2.5%: 127°**

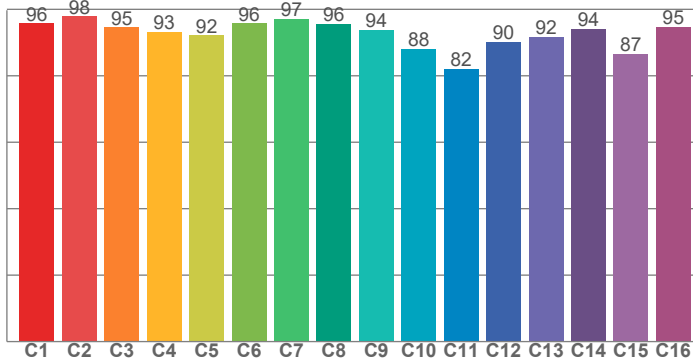
**Spectra**



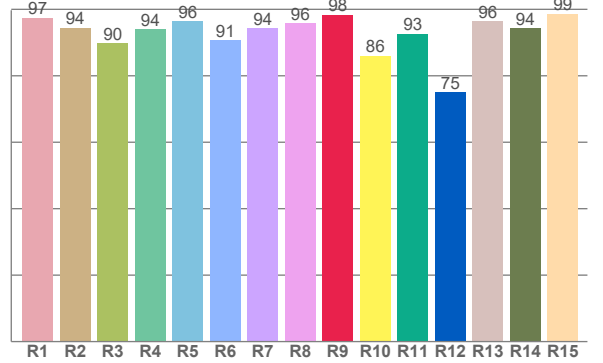
# COLOR DETAILS



**TM30: 92,6**



**CRI: 94,1 (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
97,5	94,5	89,8	94,1	96,3	90,7	94,3	95,9	98,4	86,1	92,7	75,0	96,5	94,3	98,7

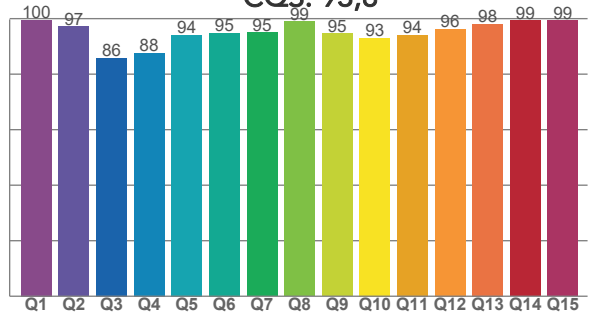
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,8	94,5	93,2	92,1	95,8	97,2	95,6	93,9	88,2	82,2	90,3	91,6	94,1	86,6	94,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	97,1	85,8	87,7	94,1	94,8	94,9	98,9	94,6	93,0	94,1	96,3	98,1	99,3	99,3

**CQS: 93,8**



## COLOR PARAMETERS

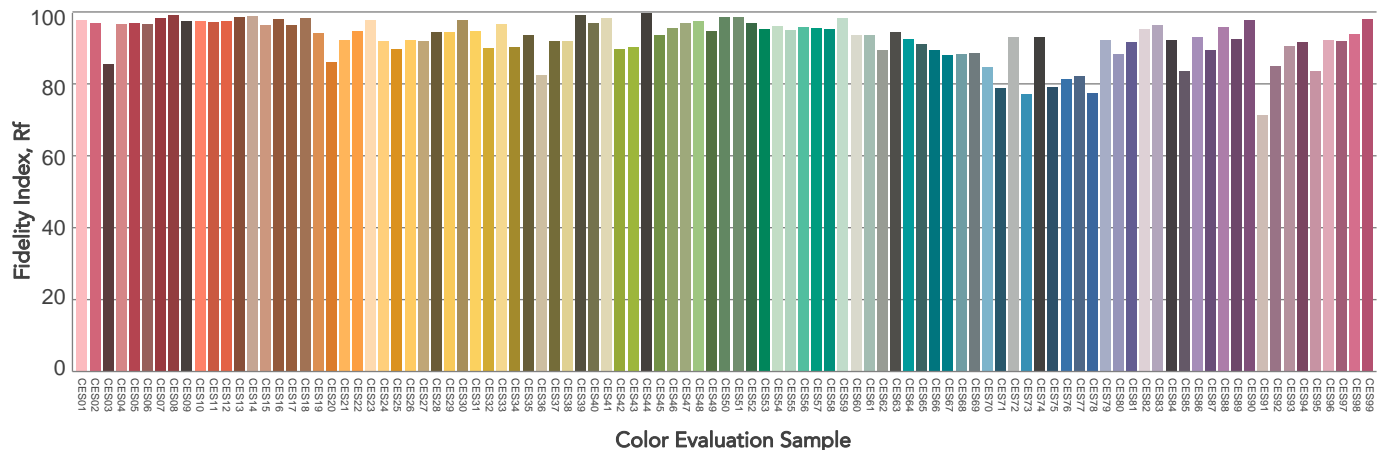
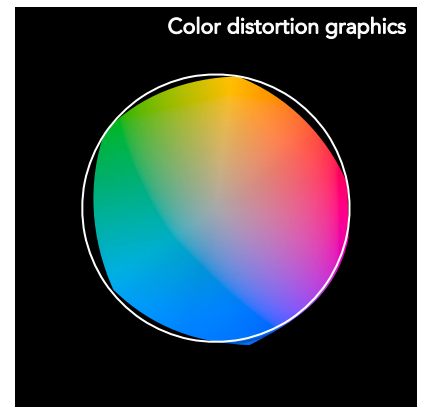
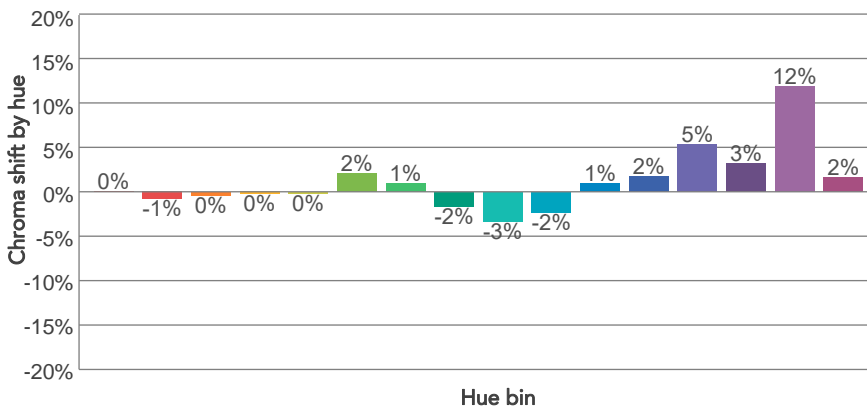
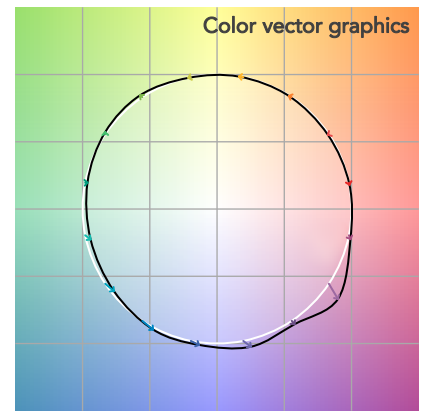
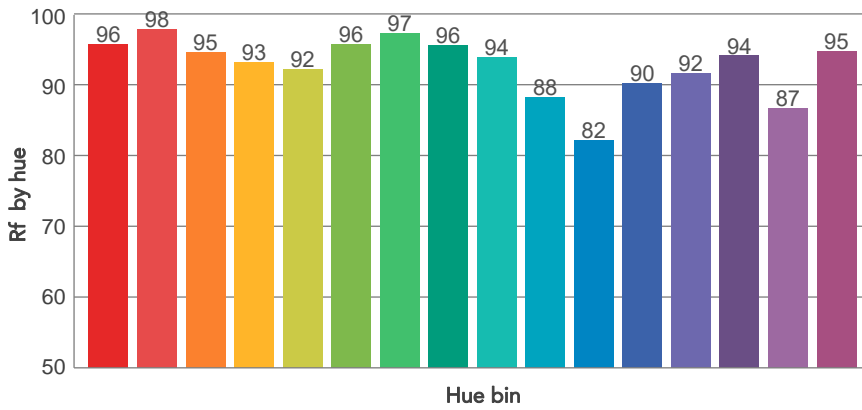
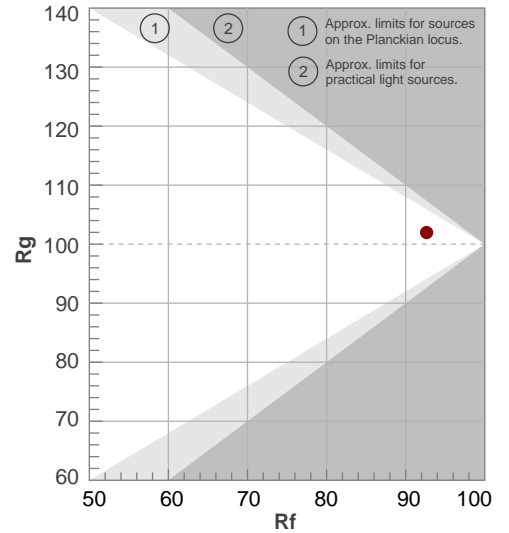
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6547 K	94,1	98,4	92,6	102,0	93,8	98	0,312	0,328	0,0003

# TM30 DETAILS

**Rf 92,6**  
Fidelity index Rf

**Rg 102,0**  
Gammut index

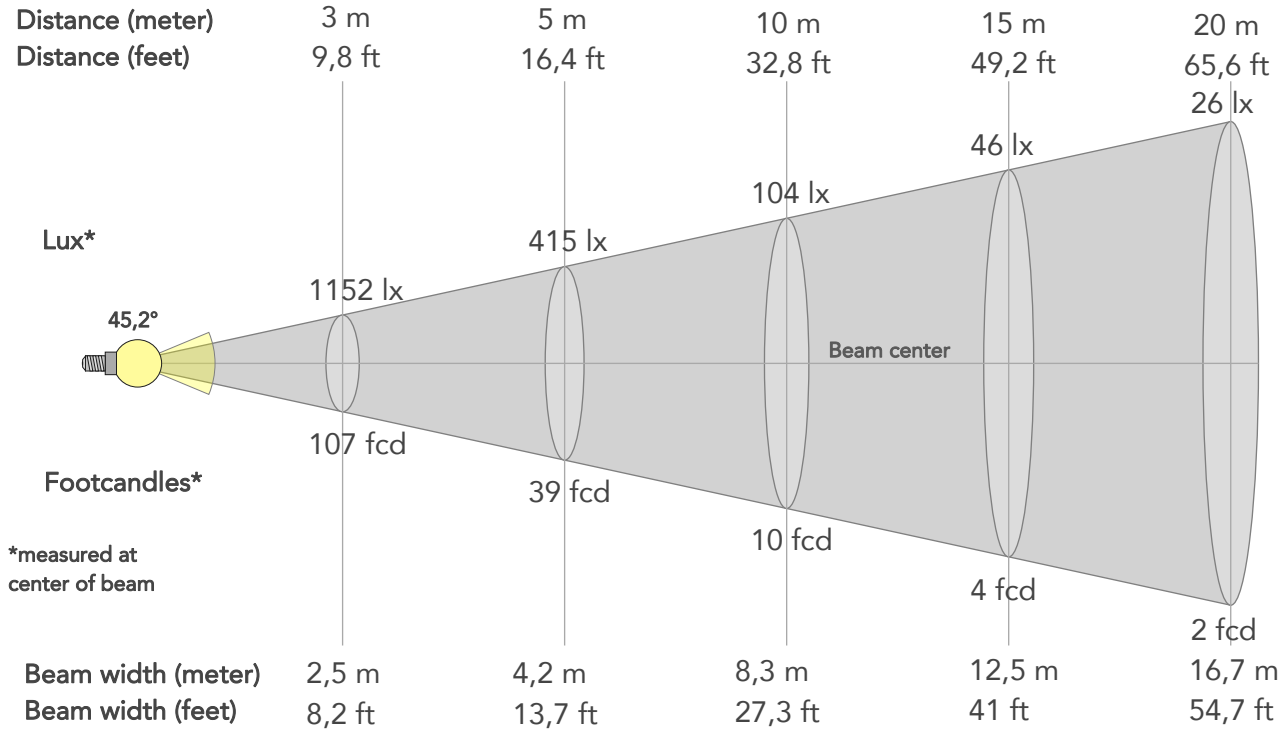
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	90	2%	7%
13	92	5%	5%
14	94	3%	0%
15	87	12%	-6%
16	95	2%	-3%



# BEAM DETAILS



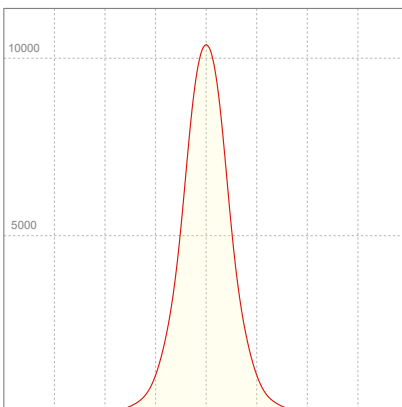
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	90,8°	127°	95,4%	85,8%



## 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	10366lx	2592lx	1152lx	648lx	415lx	184lx	104lx	46lx	26lx	17lx	12lx	6lx	4lx
Footcand.	963fcd	241fcd	107fcd	60fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,3m	12,5m	16,7m	20,8m	25m	33,3m	41,7m
Beam wid.	2,8ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,3ft	41ft	54,7ft	68,3ft	82ft	109,3ft	136,7ft

## LINEAR DISTRIBUTION DIAGRAM

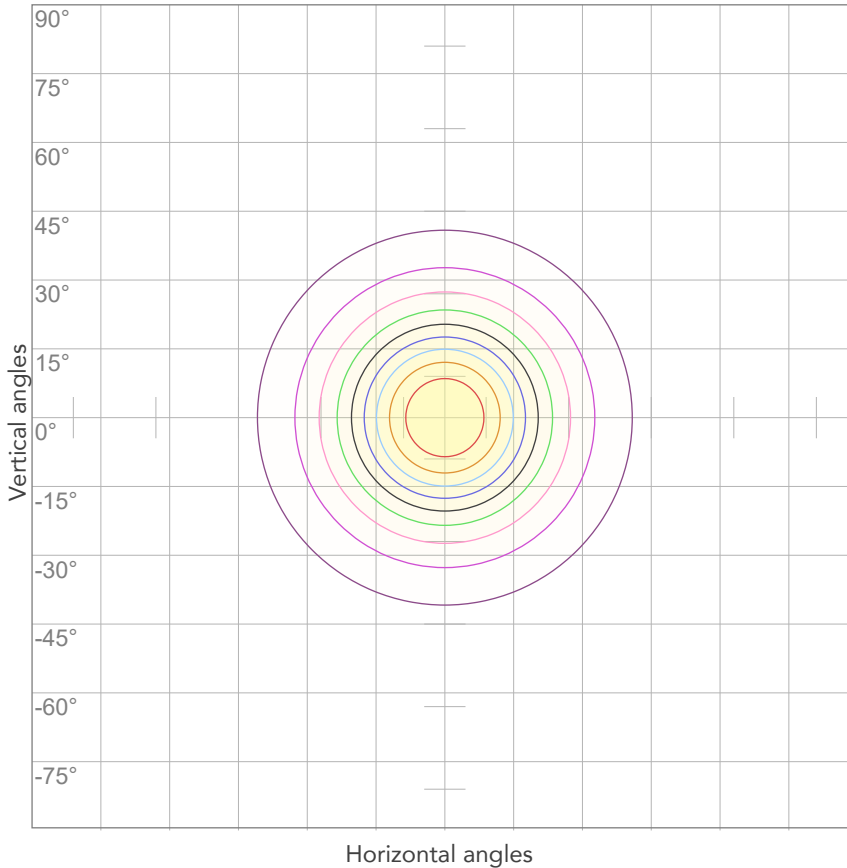


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,572A	125,8W	0,97	65lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



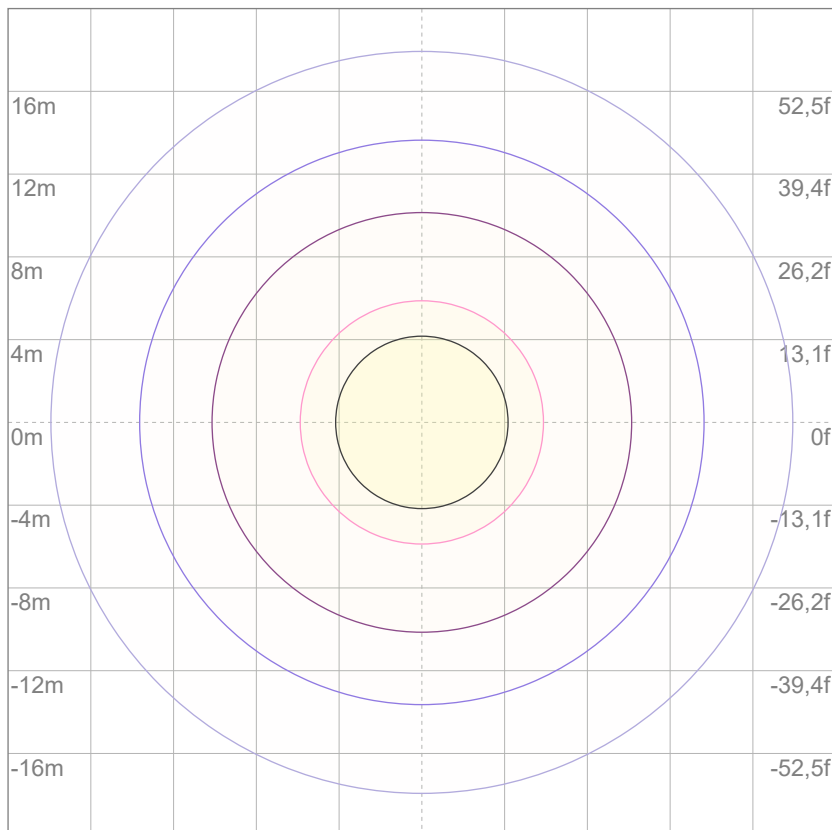
10%	1037 cd
20%	2073 cd
30%	3110 cd
40%	4147 cd
50%	5183 cd
60%	6220 cd
70%	7256 cd
80%	8293 cd

Conditions:

Number of c-planes: 2

Candela at center: 10366 cd

## ISO LUX DIAGRAM



3%	3,11 lx
5%	5,18 lx
10%	10,4 lx
30%	31,1 lx
50%	51,8 lx

Conditions:

Number of c-planes: 2

Lux at center: 104 lx

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



Total lumen output:

8062 lm

Peak candela output:

7246 cd

Light quality:

CRI: 94,0

Color temperature:

6523 K

**PRODUCT NAME:**

ARCSPOTL VW

**MEASURAMENT CONDITIONS:**

Beam angle:

10° + 60° Filter

Target:

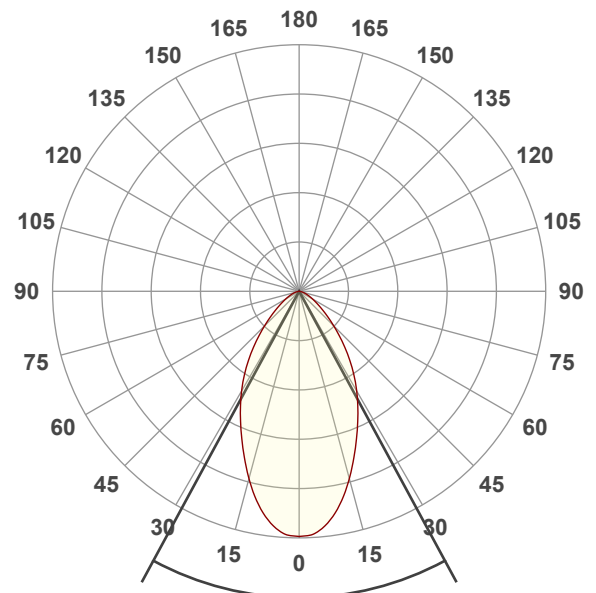
6500K

Operator:

Giacomo Matteo

Date and time:

22/02/2024 15:39:44

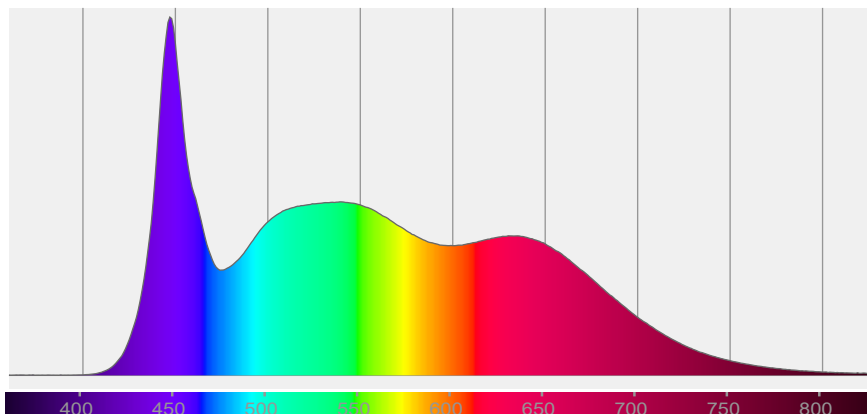


Beam angle 50%: 56,8°

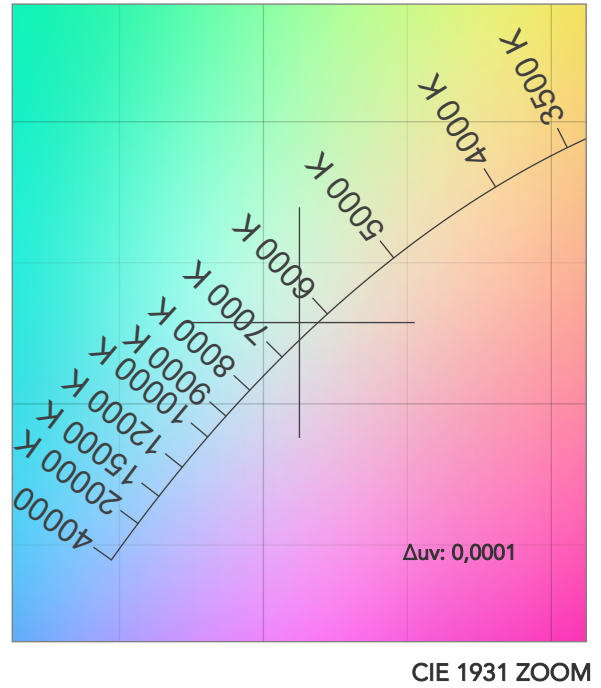
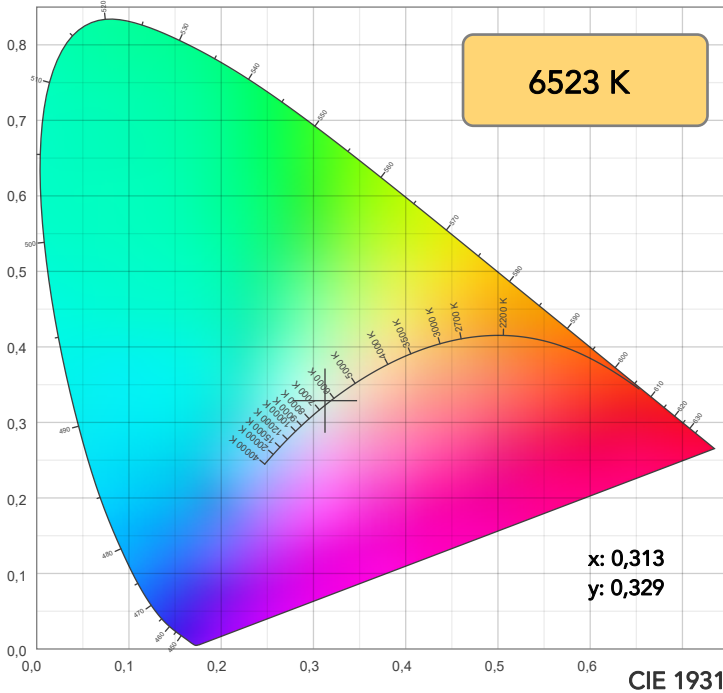
Field angle 10%: 108,2°

Cut off angle 2.5%: 142,3°

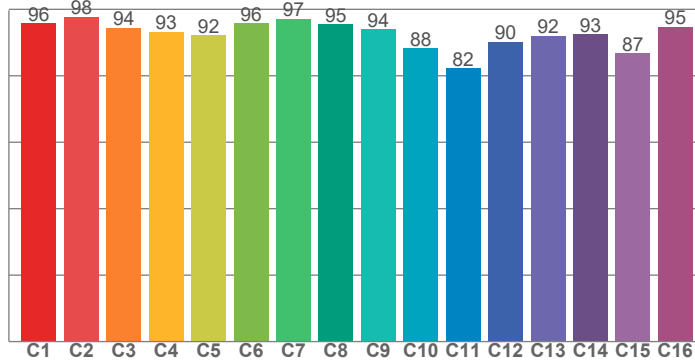
Spectra



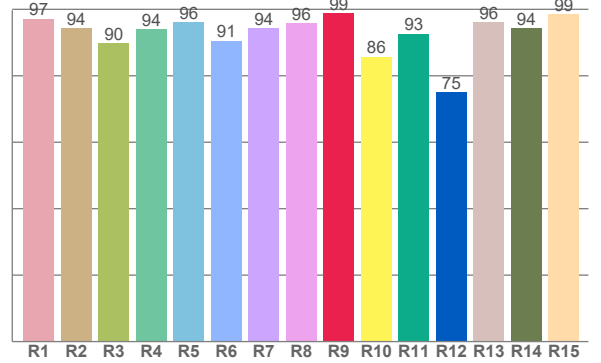
# COLOR DETAILS



**TM30: 92,6**



**CRI: 94,0 (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
97,2	94,3	89,7	94,0	96,1	90,5	94,2	95,9	98,9	85,8	92,6	75,0	96,2	94,3	98,6

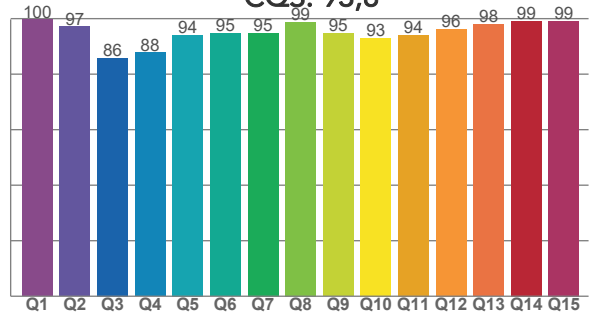
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,7	94,5	93,2	92,1	95,8	97,1	95,5	93,9	88,2	82,2	90,3	92,0	92,5	86,7	94,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,6	97,1	85,9	87,8	94,1	94,7	94,9	98,9	94,7	93,0	94,1	96,3	98,0	99,2	99,2

**CQS: 93,8**



## COLOR PARAMETERS

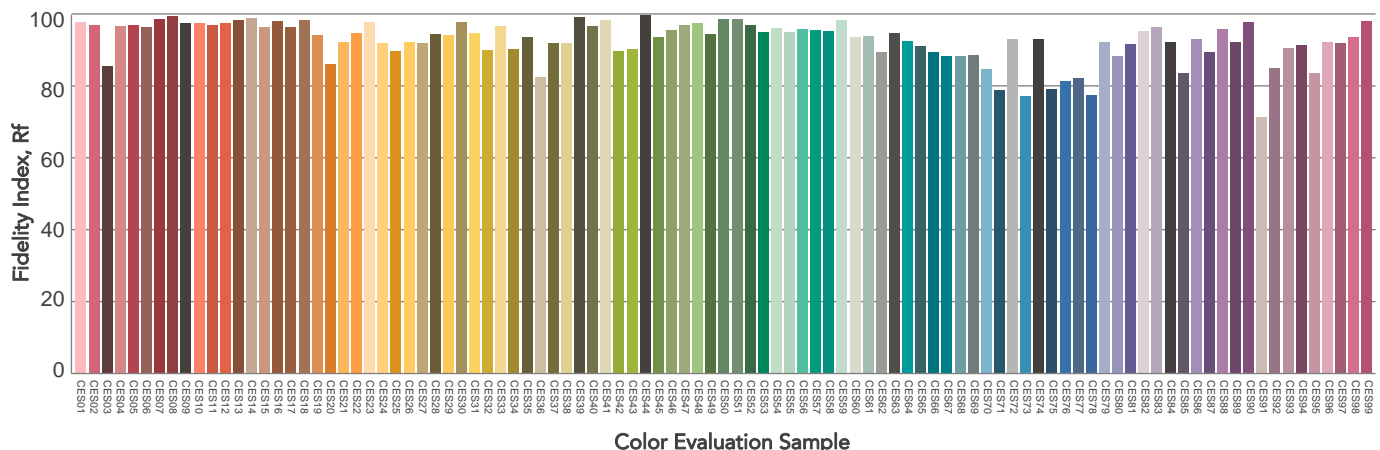
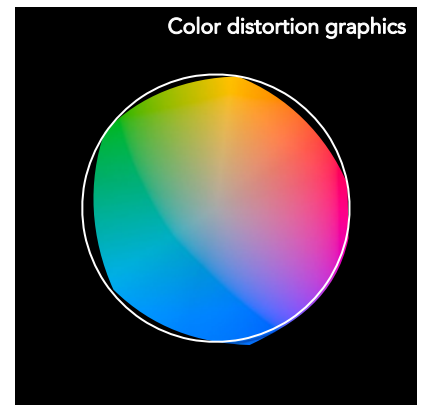
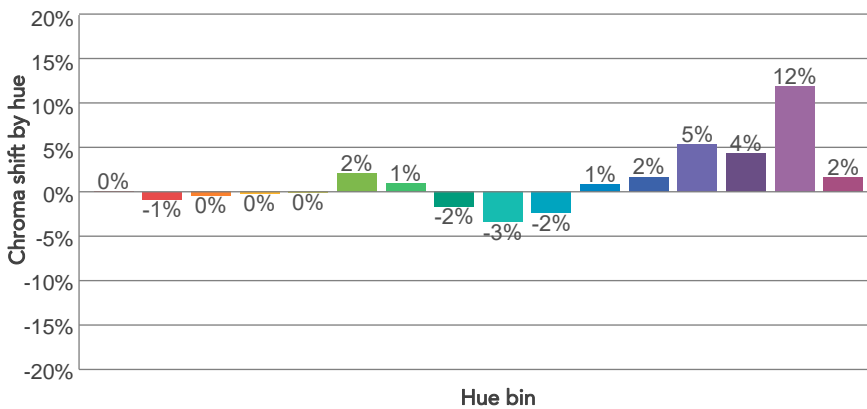
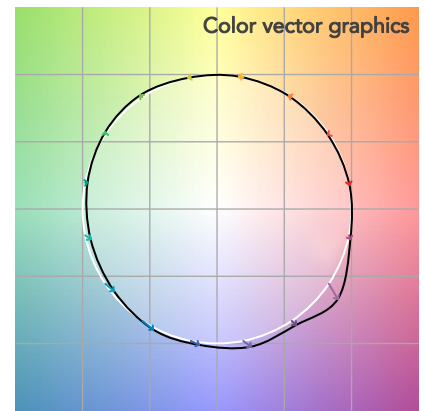
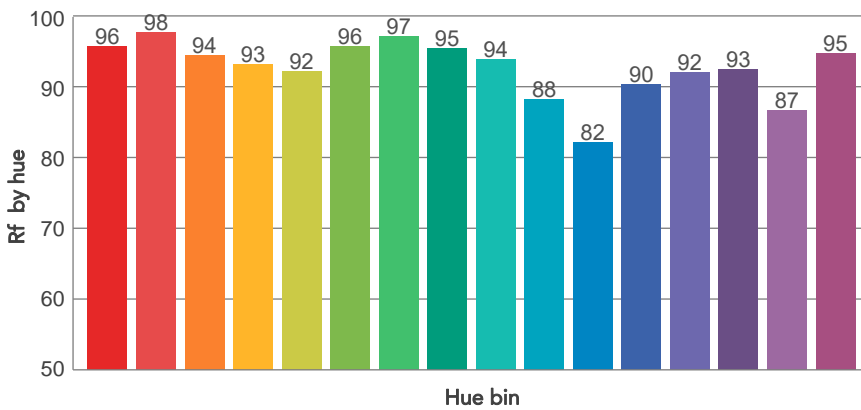
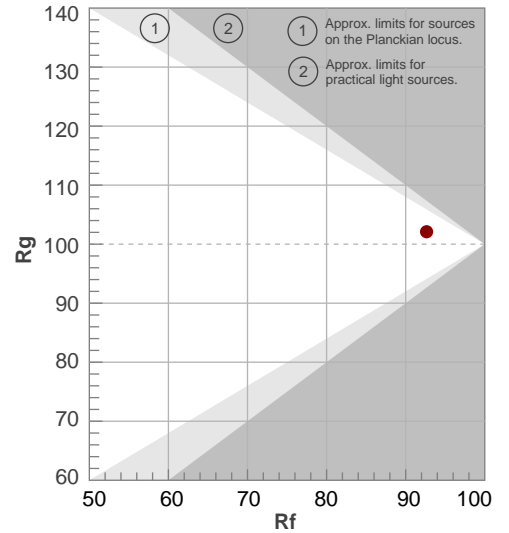
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6523 K	94,0	98,9	92,6	102,1	93,8	98	0,313	0,329	0,0001

# TM30 DETAILS

**Rf 92,6**  
Fidelity index Rf

**Rg 102,1**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	94	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	95	-2%	-1%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	90	2%	7%
13	92	5%	5%
14	93	4%	1%
15	87	12%	-6%
16	95	2%	-3%

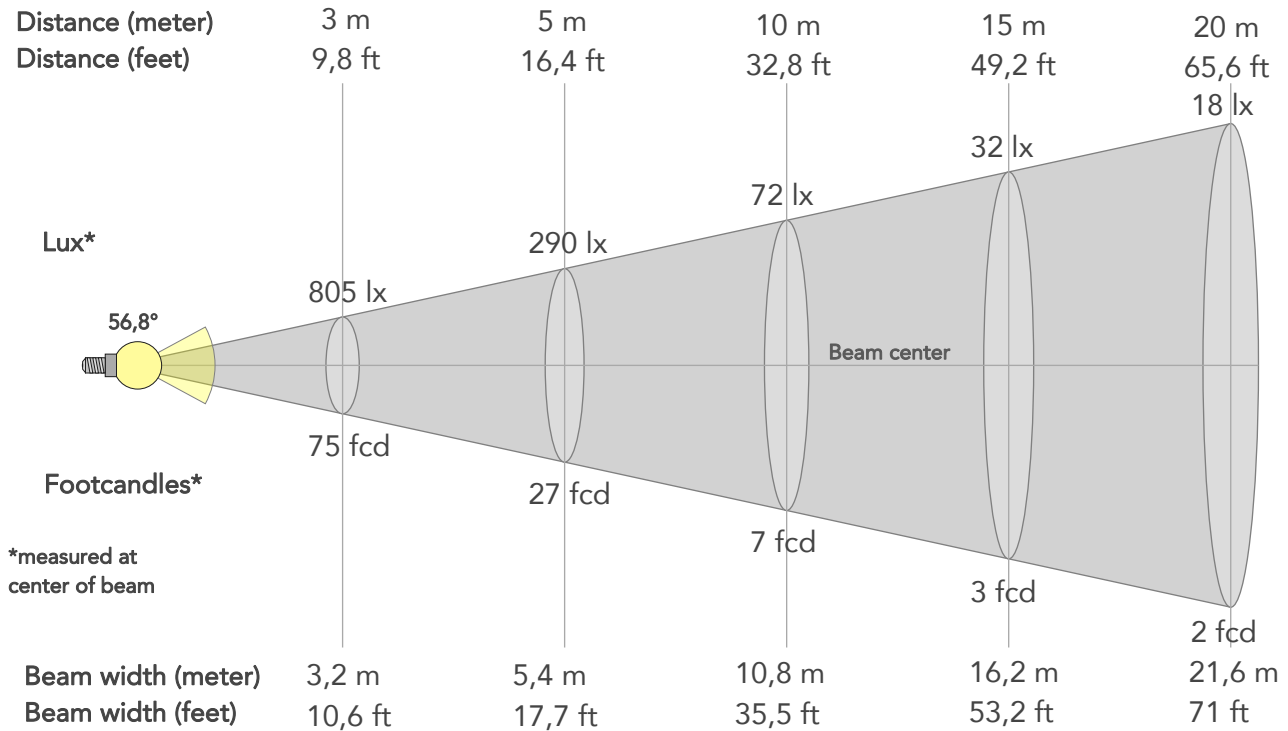




# BEAM DETAILS



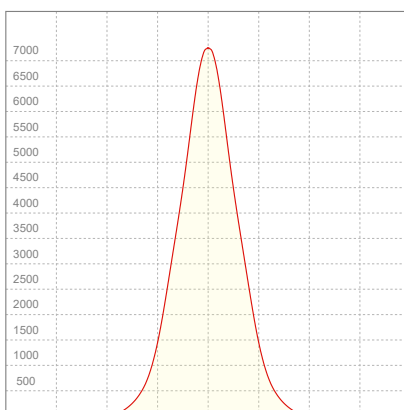
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
56,8°	108,2°	142,3°	93,9%	80,1%



## 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	7246lx	1811lx	805lx	453lx	290lx	129lx	72lx	32lx	18lx	12lx	8lx	5lx	3lx
Footcand.	673fcd	168fcd	75fcd	42fcd	27fcd	12fcd	7fcd	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	27,1m	32,5m	43,3m	54,1m
Beam wid.	3,6ft	7,1ft	10,6ft	14,2ft	17,7ft	26,6ft	35,5ft	53,2ft	71ft	88,7ft	106,5ft	142ft	177,5ft

## LINEAR DISTRIBUTION DIAGRAM

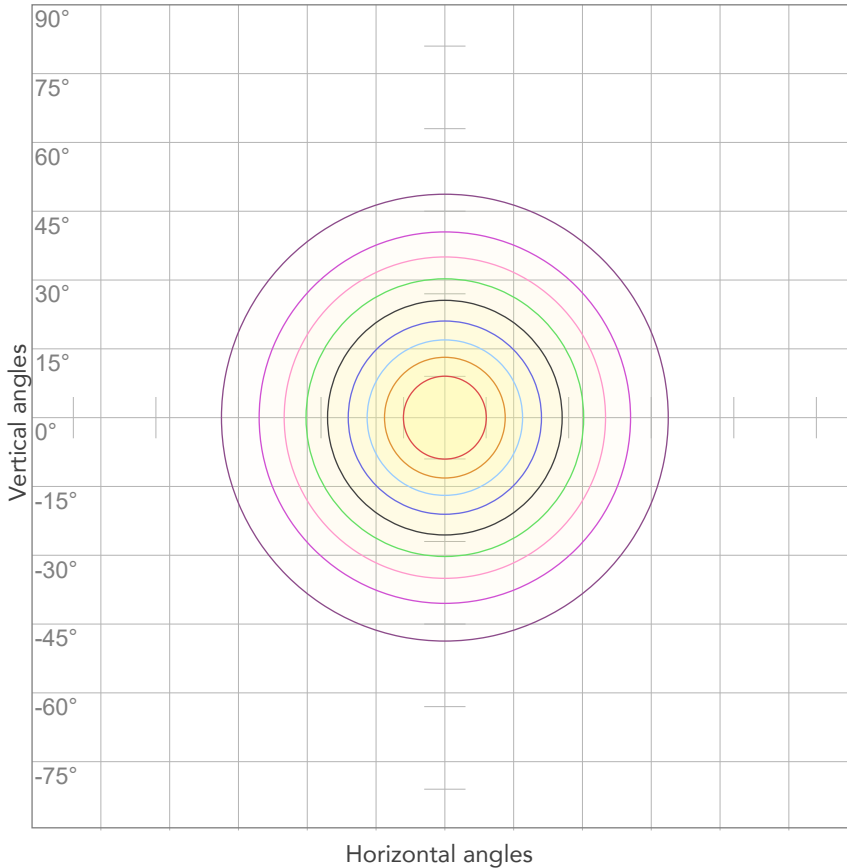


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,578A	126,2W	0,97	64lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



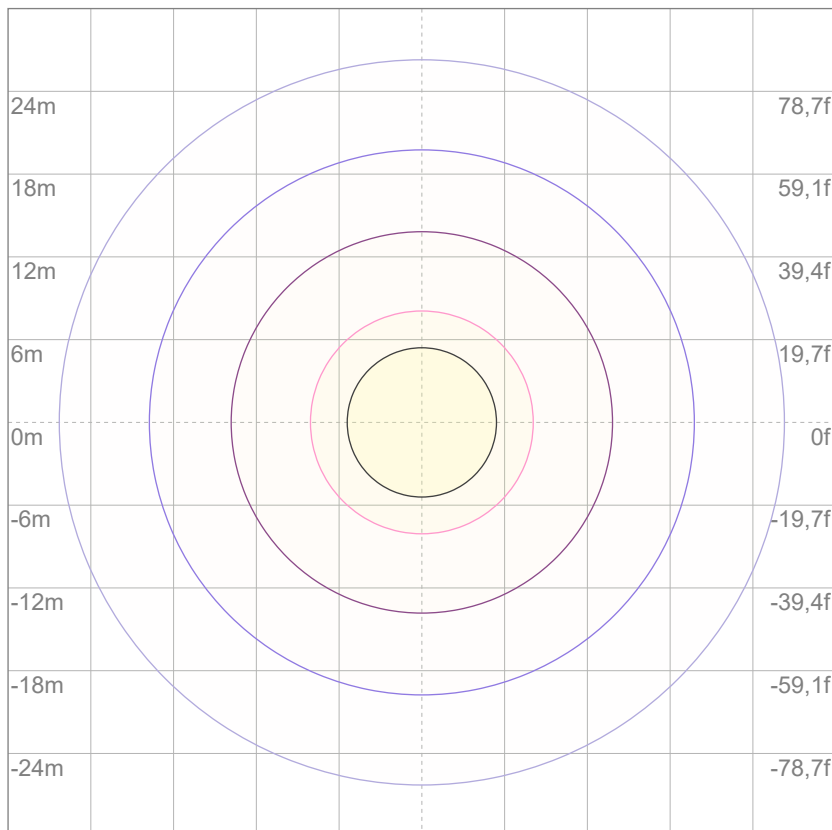
10%	725 cd
20%	1449 cd
30%	2174 cd
40%	2898 cd
50%	3623 cd
60%	4347 cd
70%	5072 cd
80%	5797 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7246 cd

## ISO LUX DIAGRAM



3%	2,17 lx
5%	3,62 lx
10%	7,25 lx
30%	21,7 lx
50%	36,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 72,5 lx

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



Total lumen output:

12044 lm

Peak candela output:

25138 cd

Light quality:

CRI: 94,2

Color temperature:

6476 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

10° + 10°x60° Filter

**Target:**

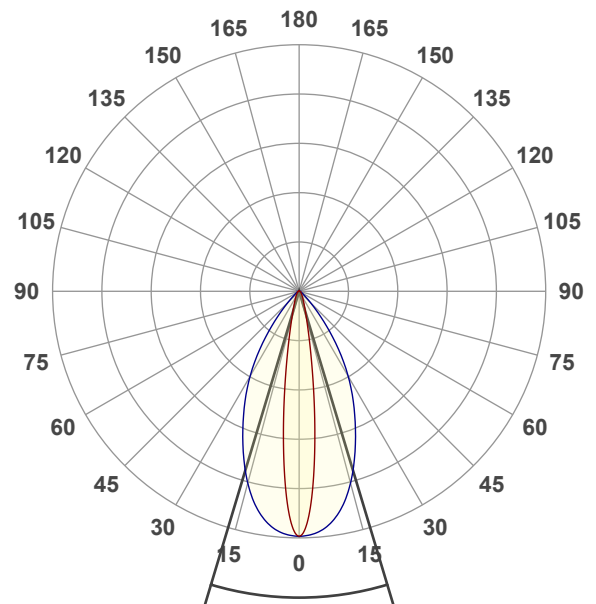
6500K

**Operator:**

Giacomo Matteo

**Date and time:**

22/02/2024 16:34:59

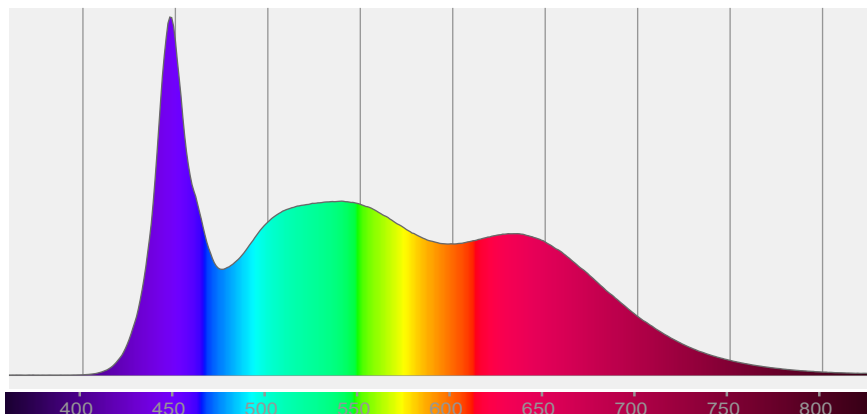


Beam angle 50%: 33,5°

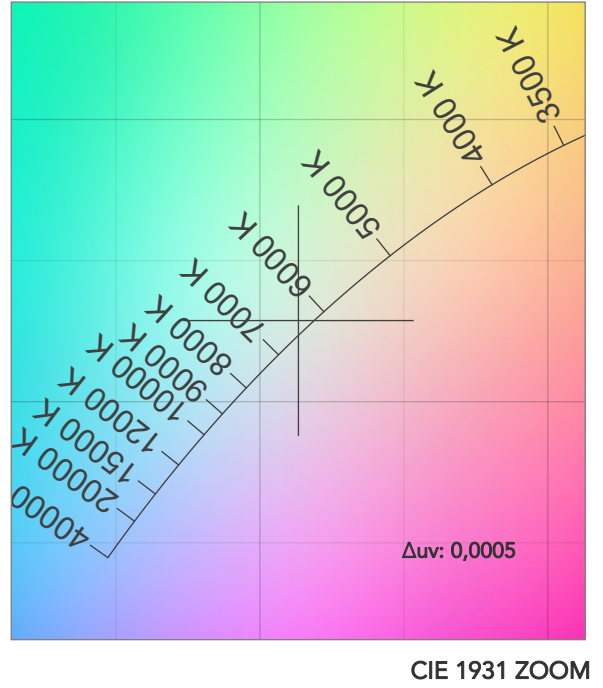
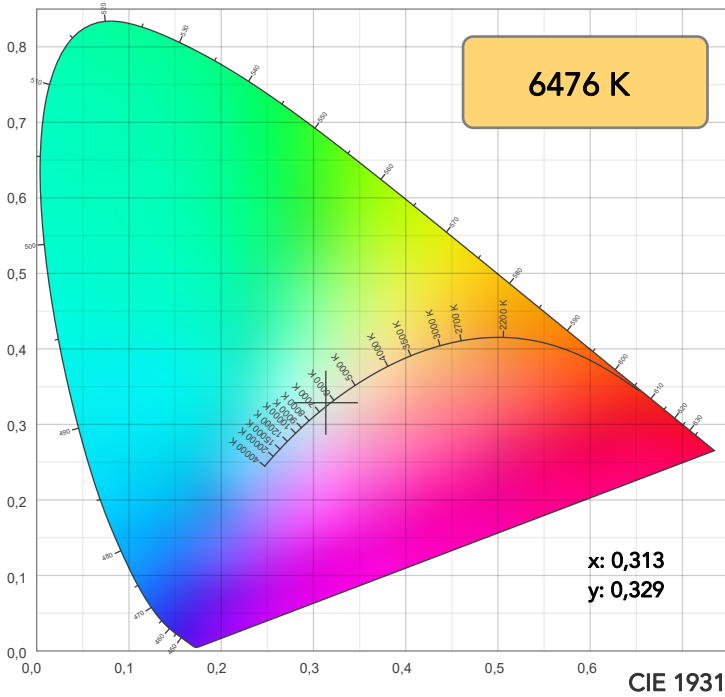
Field angle 10%: 58,4°

Cut off angle 2.5%: 84,1°

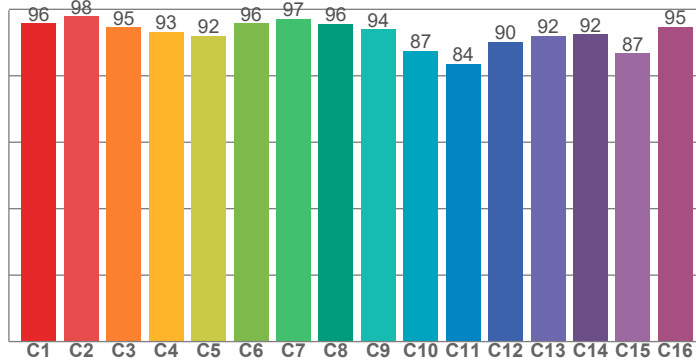
**Spectra**



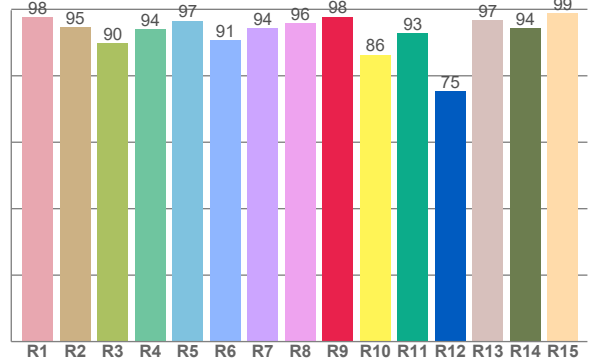
# COLOR DETAILS



TM30: 92,7



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
97,7	94,6	89,7	94,1	96,5	90,8	94,3	95,8	97,7	86,3	92,7	75,3	96,7	94,3	98,9

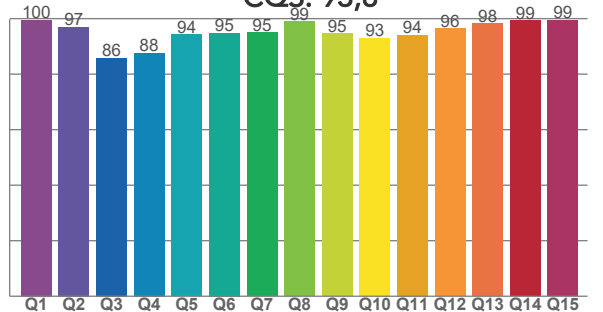
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,9	94,5	93,1	92,1	95,7	97,2	95,7	94,0	87,4	83,6	90,2	92,0	92,4	86,7	94,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,1	85,8	87,7	94,2	94,9	95,0	98,9	94,6	93,0	94,0	96,4	98,2	99,3	99,4

CQS: 93,8



## COLOR PARAMETERS

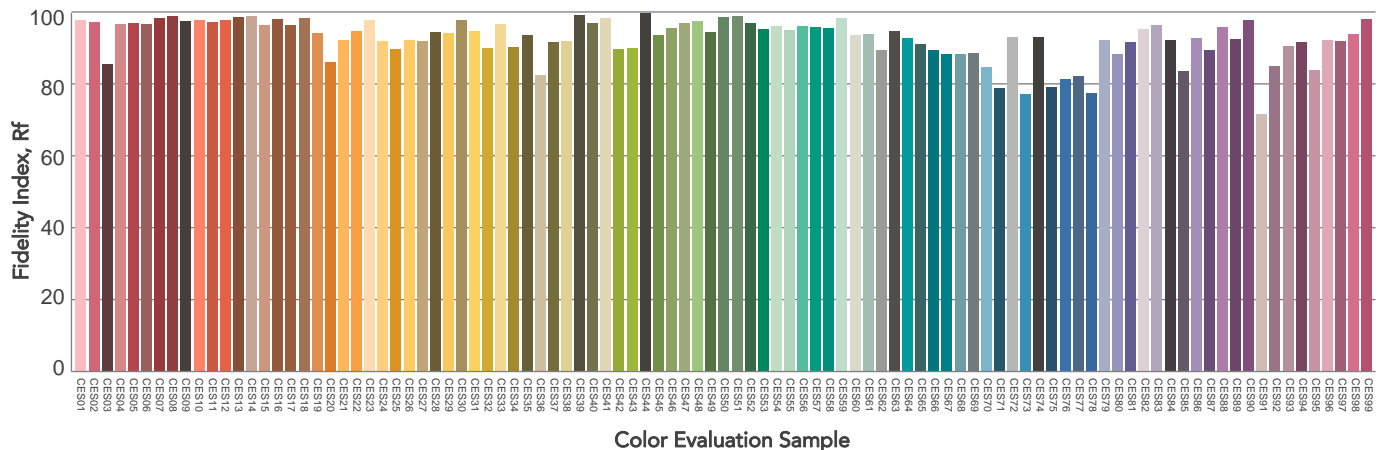
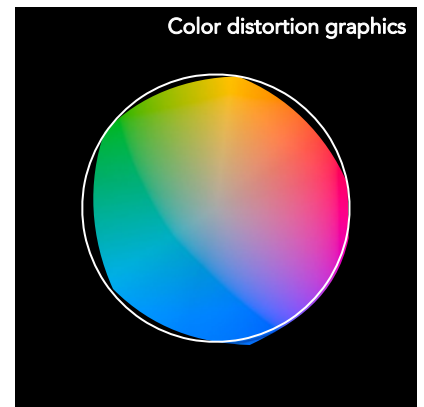
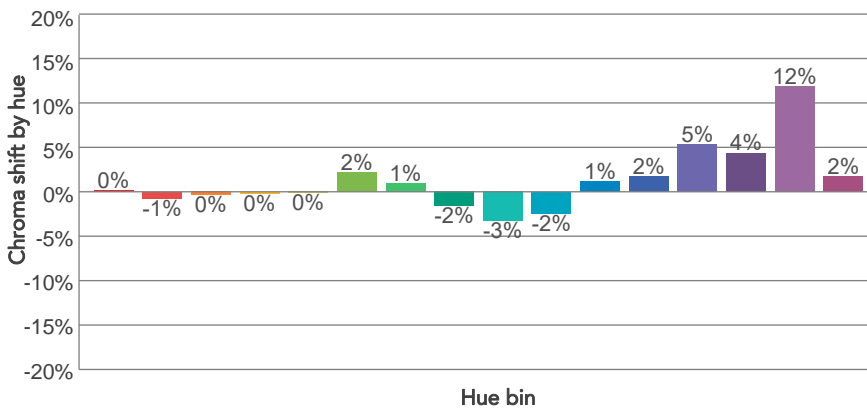
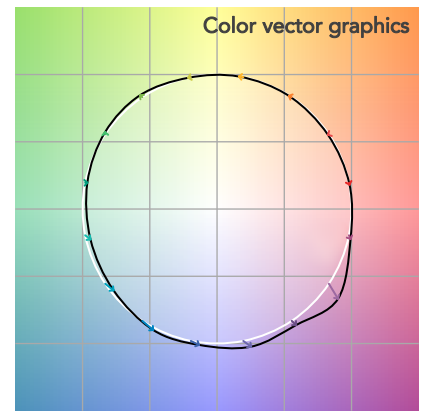
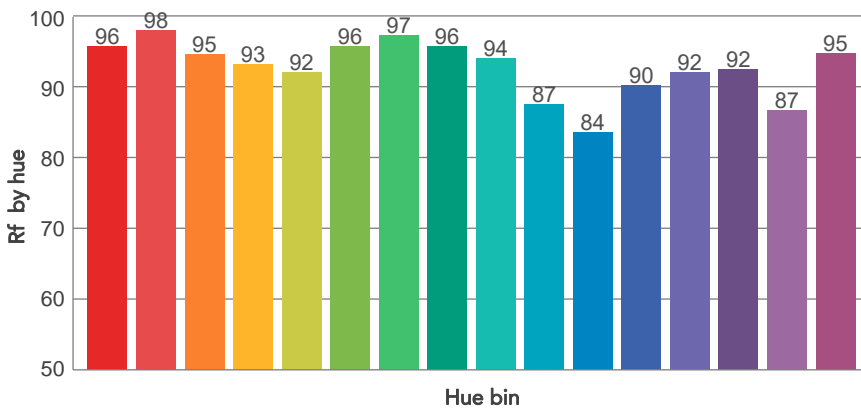
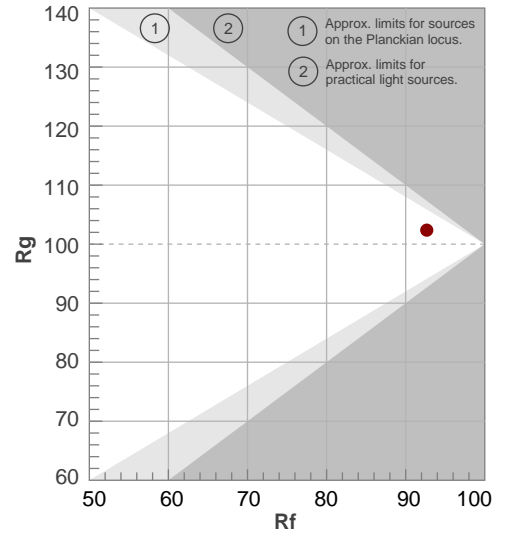
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6476 K	94,2	97,7	92,7	102,4	93,8	98	0,313	0,329	0,0005

# TM30 DETAILS

**Rf 92,7**  
Fidelity index Rf

**Rg 102,4**  
Gammut index

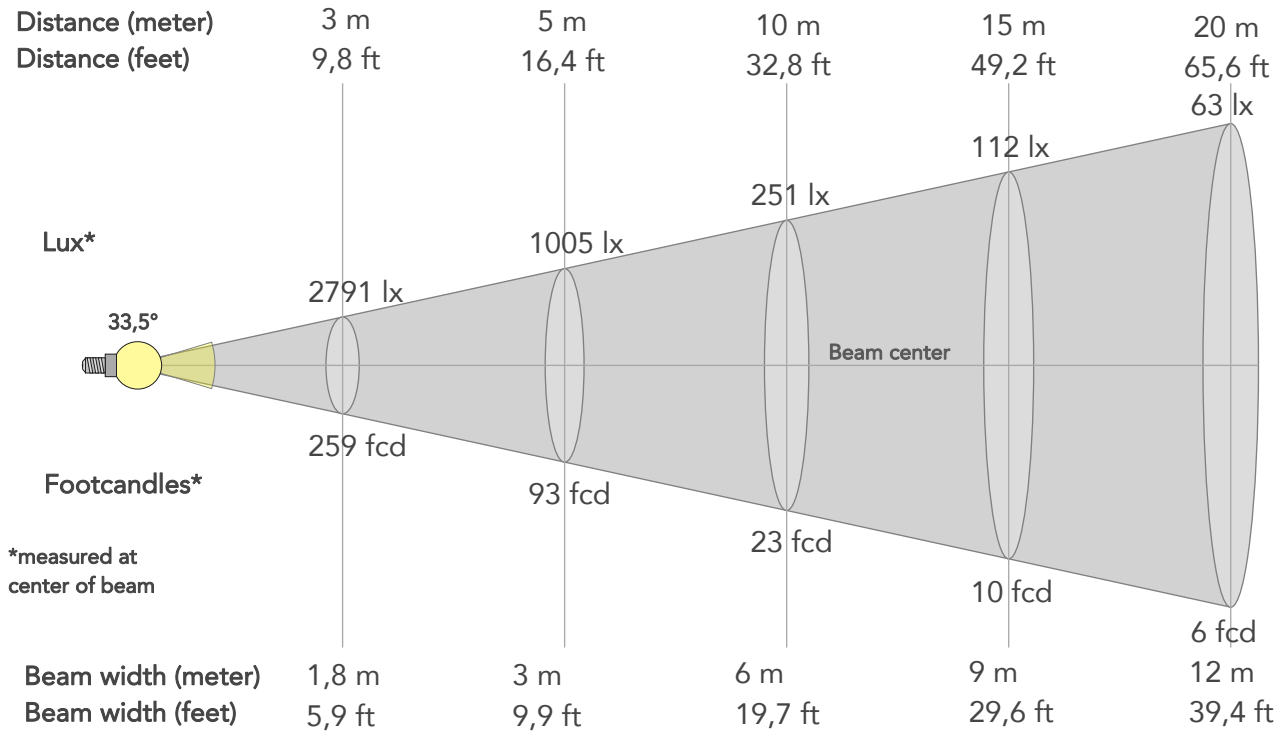
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	0%	2%
6	96	2%	1%
7	97	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	87	-2%	8%
11	84	1%	10%
12	90	2%	7%
13	92	5%	5%
14	92	4%	1%
15	87	12%	-6%
16	95	2%	-3%



# BEAM DETAILS



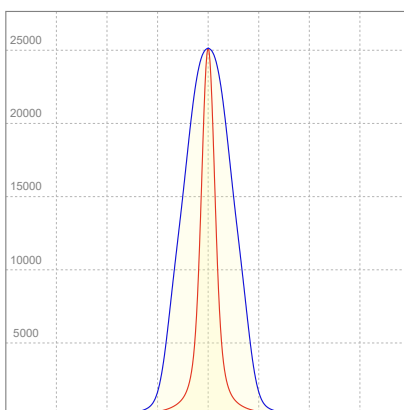
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33,5°	58,4°	84,1°	97,5%	92,3%



## 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	25118lx	6280lx	2791lx	1570lx	1005lx	447lx	251lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2334fcd	583fcd	259fcd	146fcd	93fcd	41fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,6m	1,2m	1,8m	2,4m	3m	4,5m	6m	9m	12m	15m	18m	24m	30,1m
Beam wid.	2ft	4ft	5,9ft	7,9ft	9,9ft	14,8ft	19,7ft	29,6ft	39,4ft	49,3ft	59,1ft	78,9ft	98,6ft

## LINEAR DISTRIBUTION DIAGRAM

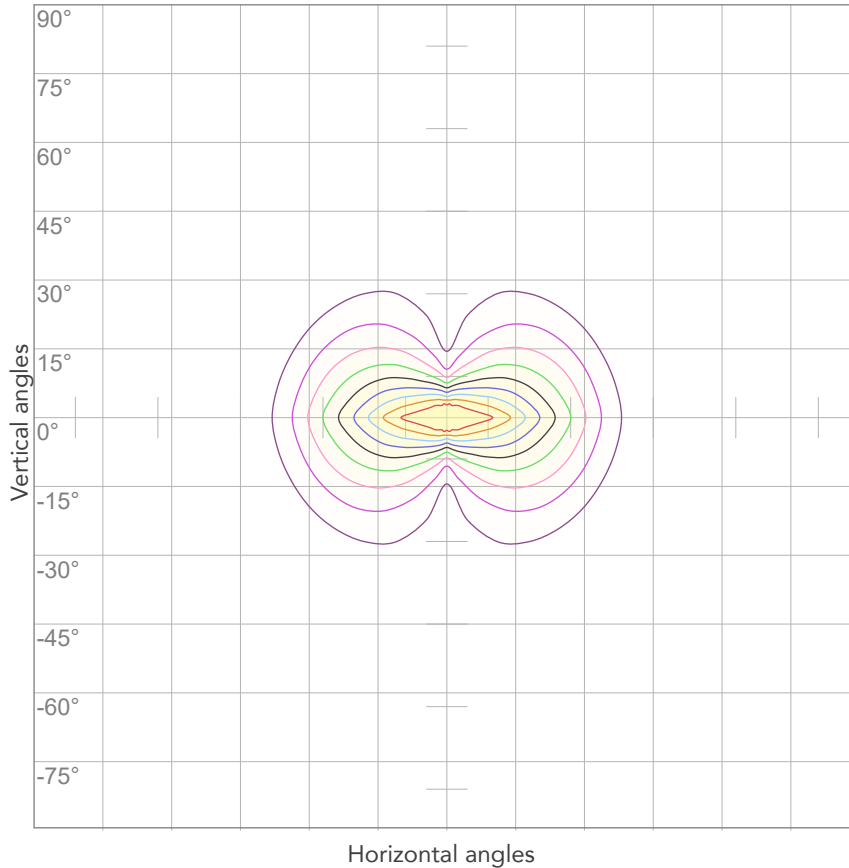


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
224V	0,575A	125,8W	0,98	96lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



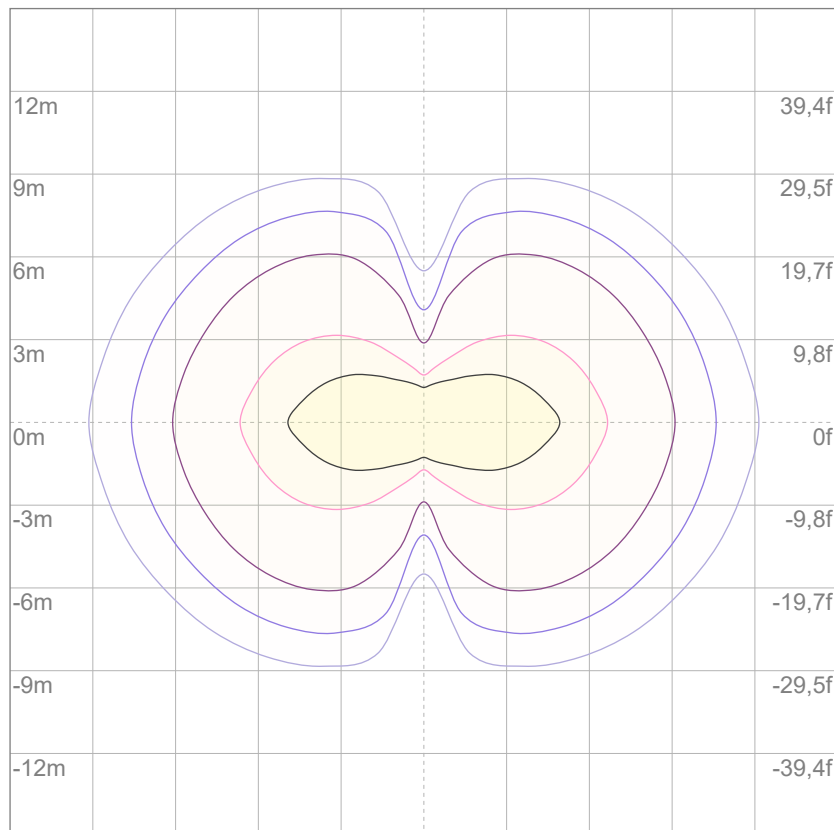
10%	2512 cd
20%	5024 cd
30%	7535 cd
40%	10047 cd
50%	12559 cd
60%	15071 cd
70%	17583 cd
80%	20094 cd

**Conditions:**

Number of c-planes: 4

Candela at center: 25118 cd

## ISO LUX DIAGRAM



3%	7,54 lx
5%	12,6 lx
10%	25,1 lx
30%	75,4 lx
50%	126 lx

**Conditions:**

Number of c-planes: 4

Lux at center: 251 lx

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



Total lumen output:

8720 lm

Peak candela output:

12736 cd

Light quality:

CRI: 94,7

Color temperature:

6563 K

**PRODUCT NAME:**

**ARCSPOTL VW**

**MEASURAMENT CONDITIONS:**

**Beam angle:**

**10° + 30°x60° Filter**

**Target:**

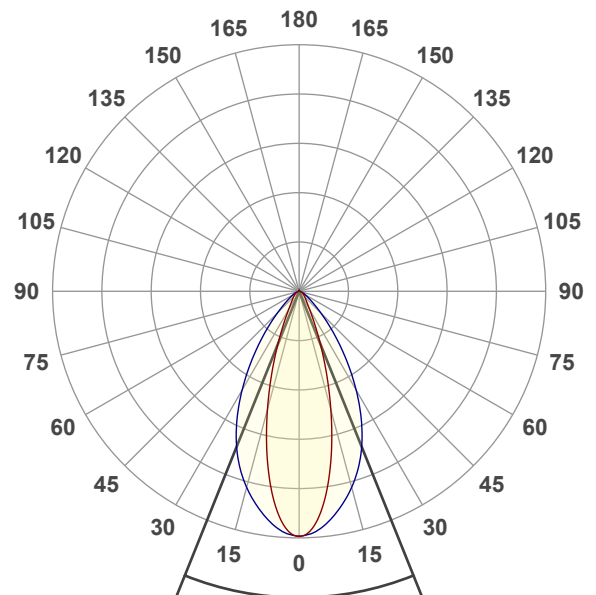
**6500K**

**Operator:**

**Giacomo Matteo**

**Date and time:**

**22/02/2024 17:17:29**

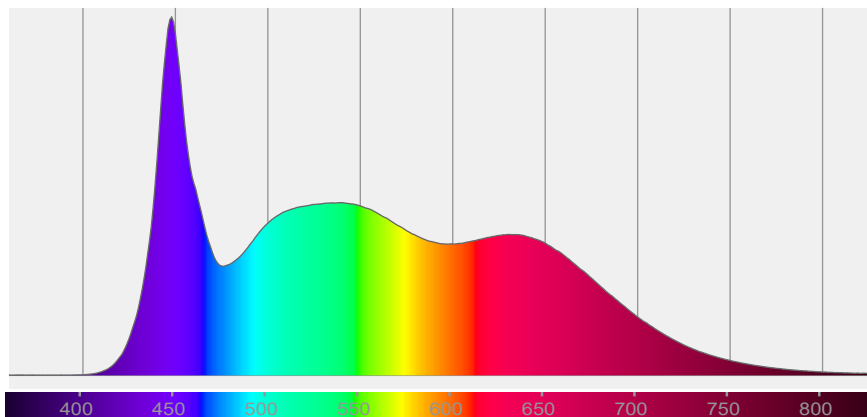


**Beam angle 50%: 43,8°**

**Field angle 10%: 75,8°**

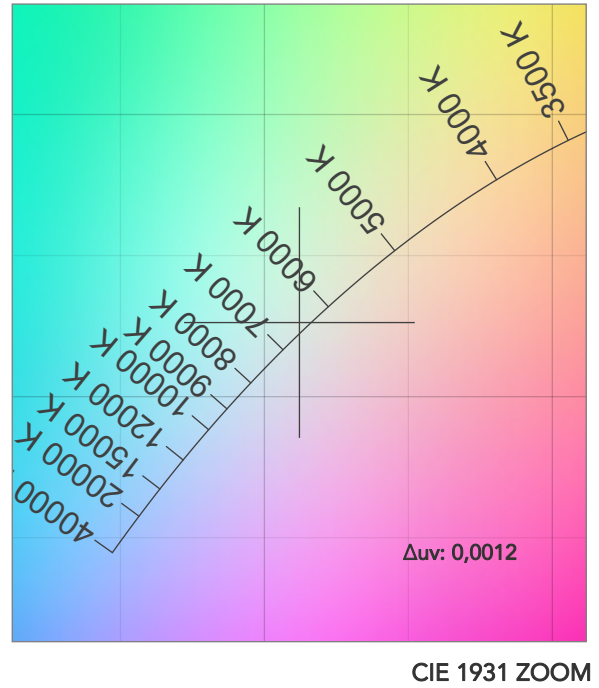
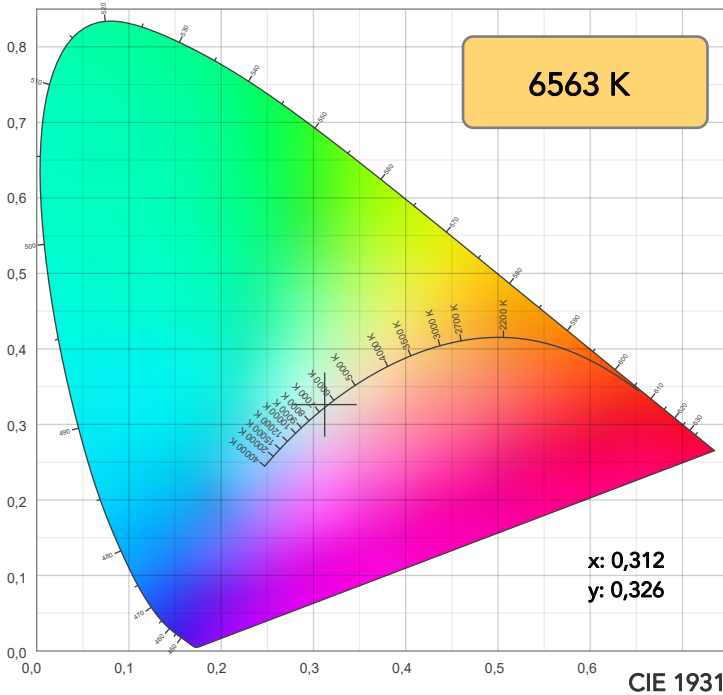
**Cut off angle 2.5%: 113,7°**

**Spectra**

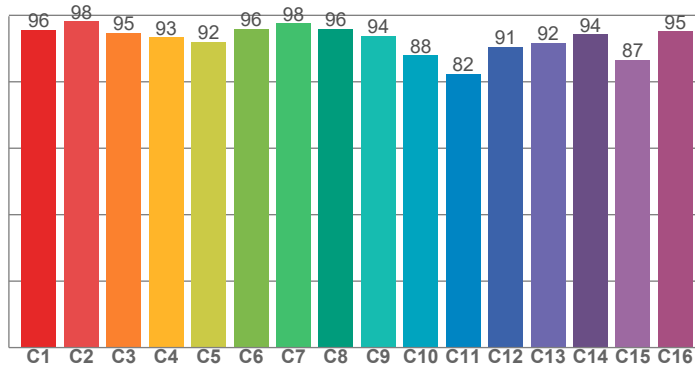




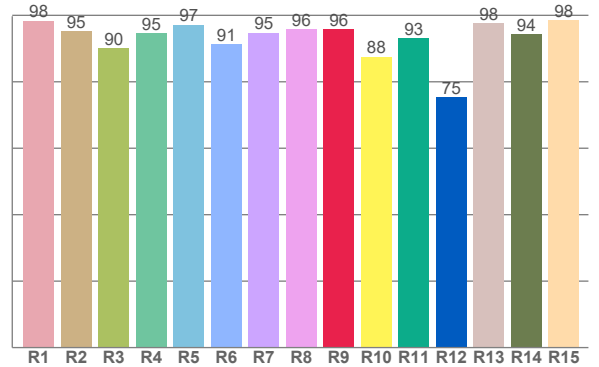
# COLOR DETAILS



**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

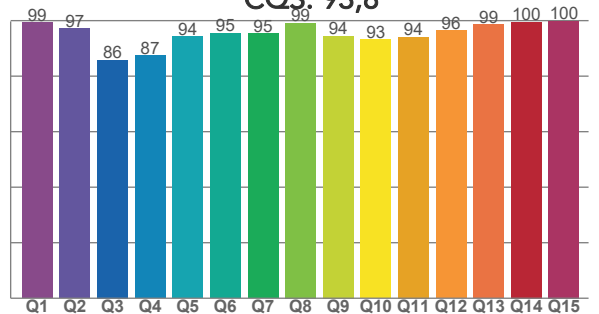
TM30 C values, 16 binned values out of total of 99 C values

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

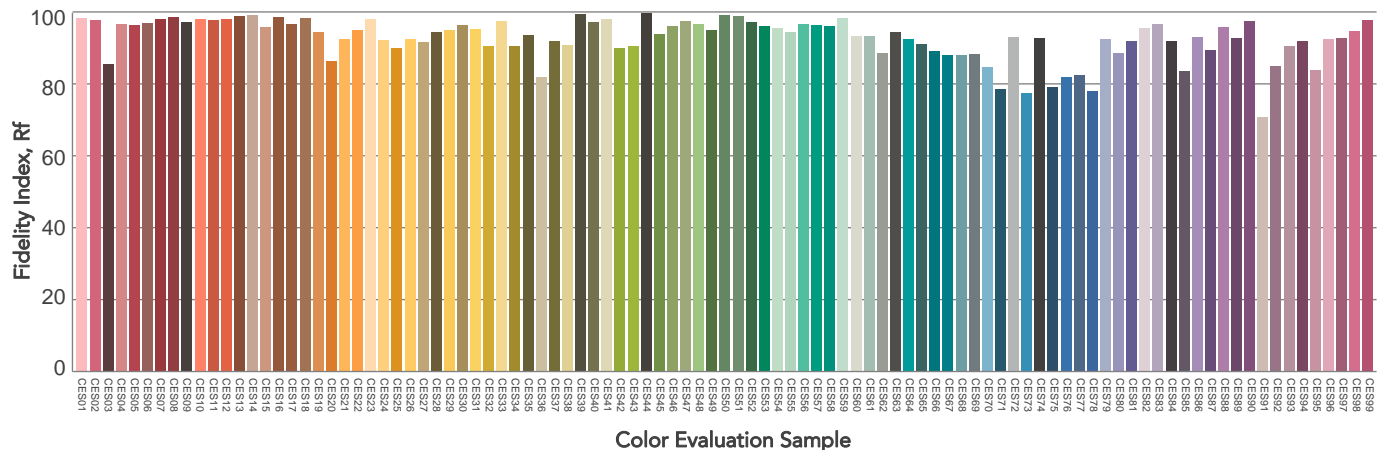
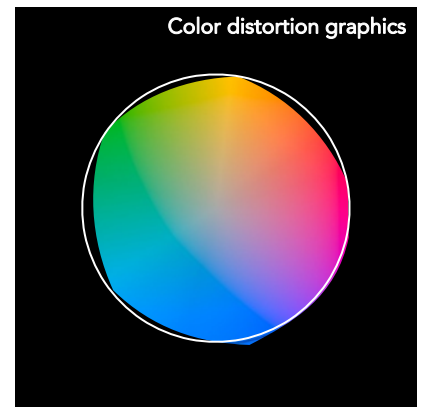
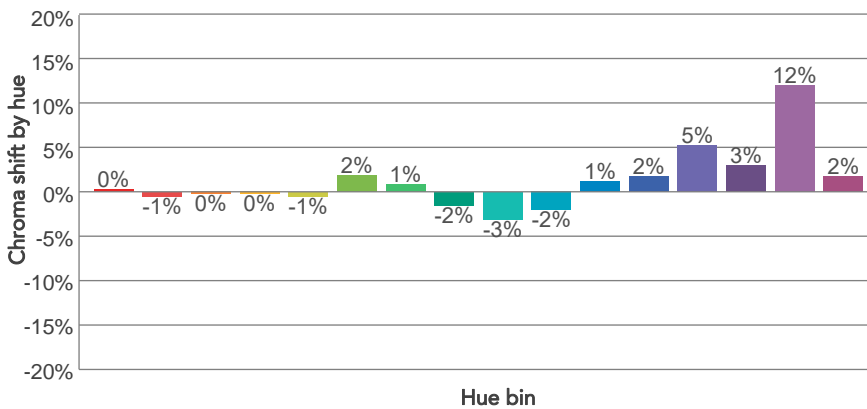
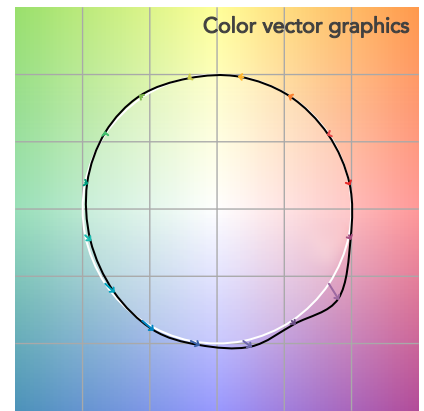
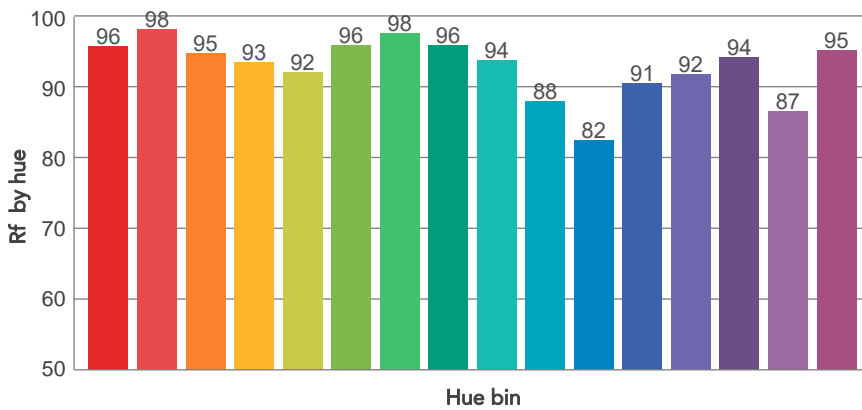
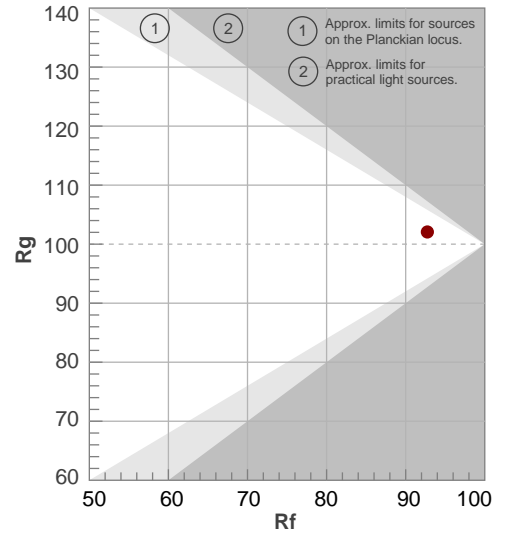
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6563 K	94,7	95,8	92,7	102,1	93,8	98	0,312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

# TM30 DETAILS

**Rf 92,7**  
Fidelity index Rf

**Rg 102,1**  
Gammut index

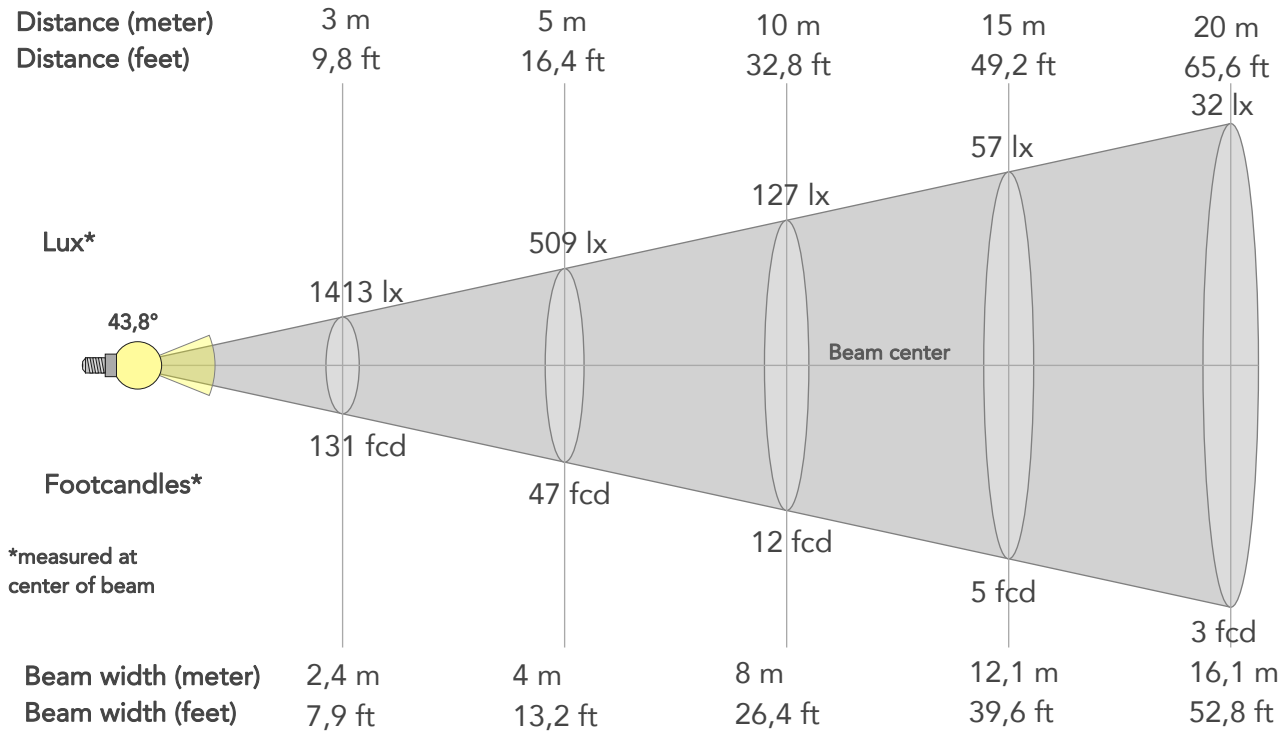
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	-1%	0%
3	95	0%	2%
4	93	0%	3%
5	92	-1%	2%
6	96	2%	1%
7	98	1%	-1%
8	96	-2%	0%
9	94	-3%	4%
10	88	-2%	8%
11	82	1%	10%
12	91	2%	6%
13	92	5%	5%
14	94	3%	1%
15	87	12%	-5%
16	95	2%	-2%



# 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%

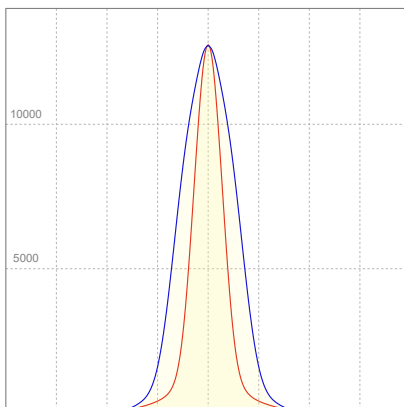


\*measured at center of beam

## 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	12719lx	3180lx	1413lx	795lx	509lx	226lx	127lx	57lx	32lx	20lx	14lx	8lx	5lx
Footcand.	1182fcd	295fcd	131fcd	74fcd	47fcd	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	39,6ft	52,8ft	66ft	79,2ft	105,6ft	131,9ft

## LINEAR DISTRIBUTION DIAGRAM

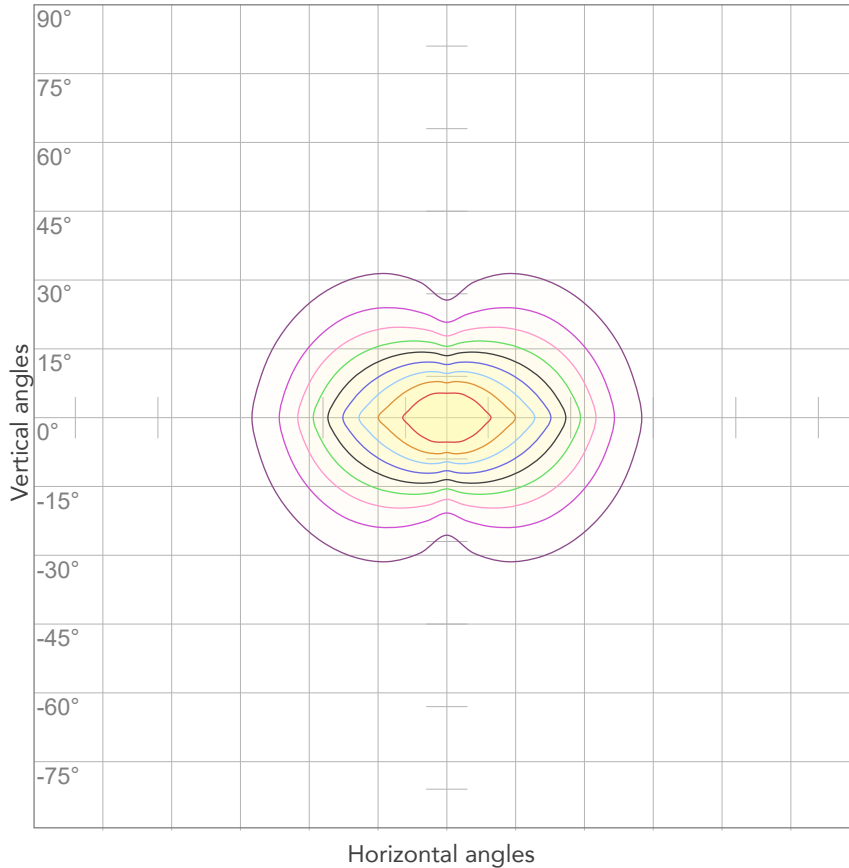


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
225V	0,565A	124,4W	0,98	70lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



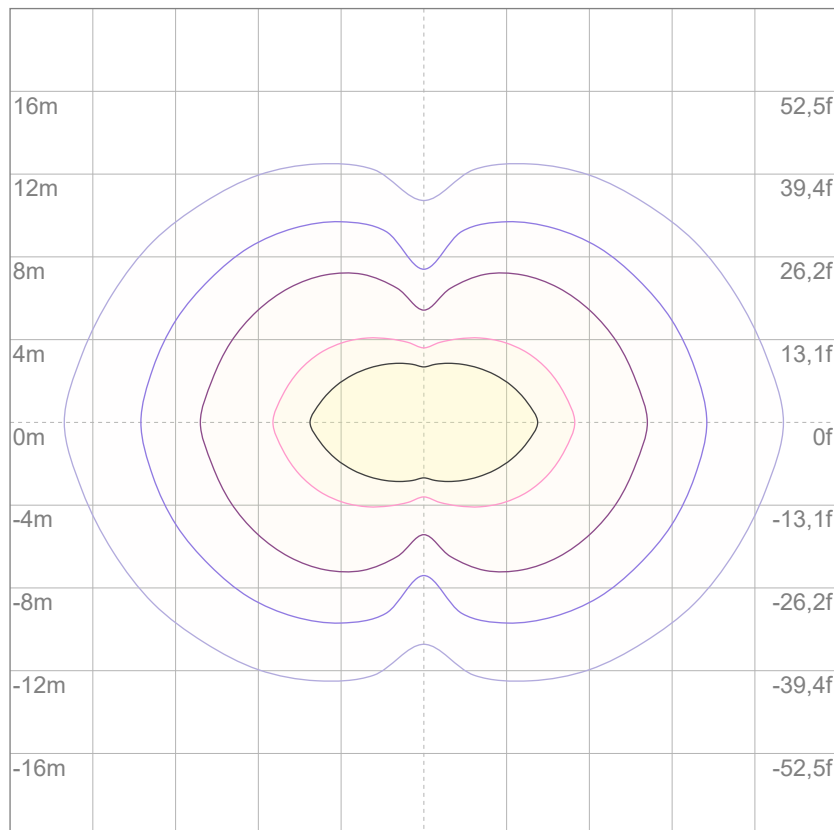
10%	1272 cd
20%	2544 cd
30%	3816 cd
40%	5088 cd
50%	6359 cd
60%	7631 cd
70%	8903 cd
80%	10175 cd

Conditions:

Number of c-planes: 4

Candela at center: 12719 cd

## ISO LUX DIAGRAM



3%	3,82 lx
5%	6,36 lx
10%	12,7 lx
30%	38,2 lx
50%	63,6 lx

Conditions:

Number of c-planes: 4

Lux at center: 127 lx

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

Mounting height: 10 meters (33 feet)