

Photometric Test Report



ARCPOD27VW

27 X 10W VW outdoor IP66 wash light
for exterior installation

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TESTING PROCESS

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

Prolights measurement instrument

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

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

Prolights measurement software

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

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



Total lumen output:

16036 lm

Peak candela output:

334918 cd

Light quality:

CRI: 86,7

Color temperature:

4345 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

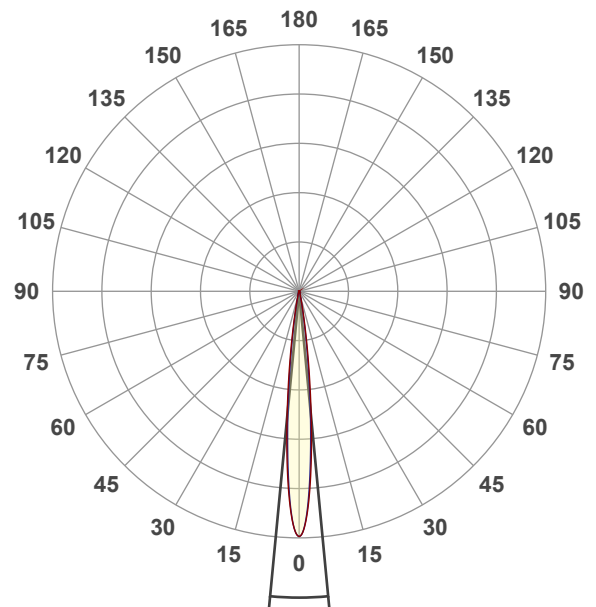
Full On

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:11:44

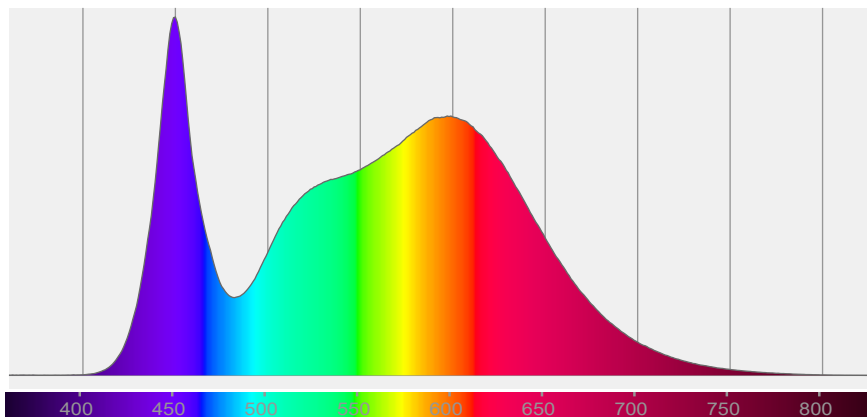


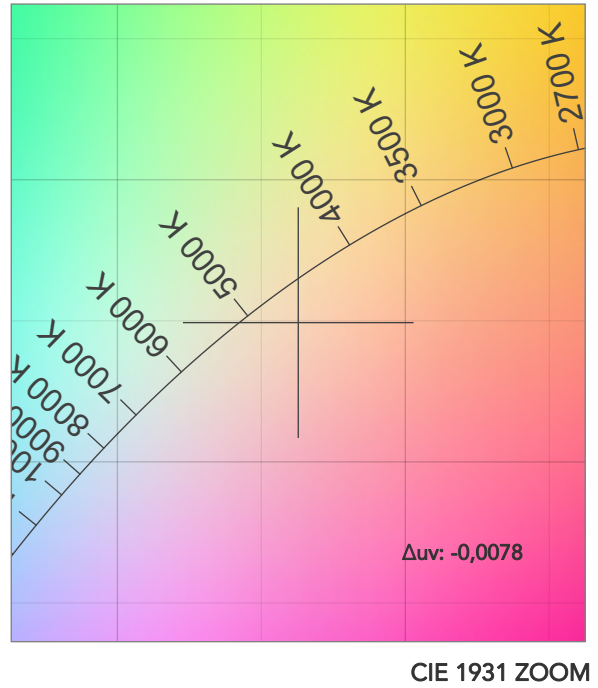
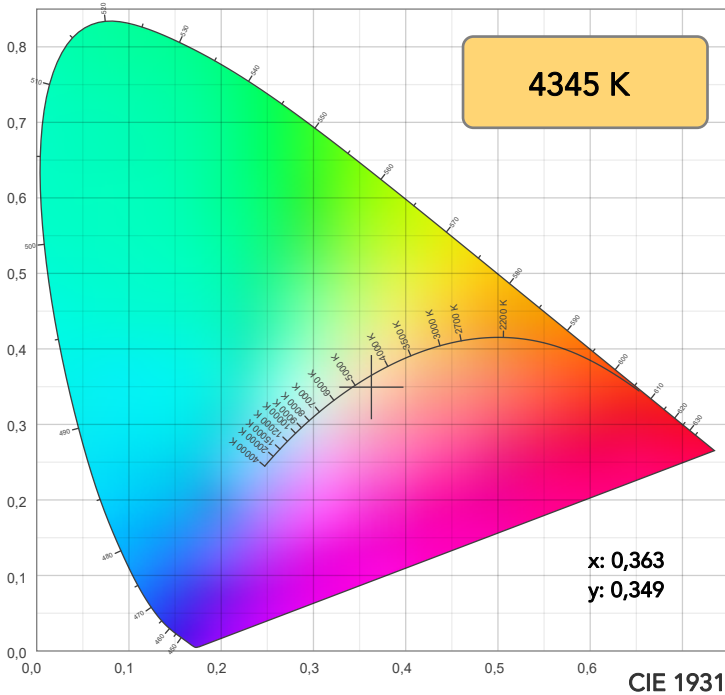
Beam angle 50%: 10,9°

Field angle 10%: 20°

Cut off angle 2.5%: 27,8°

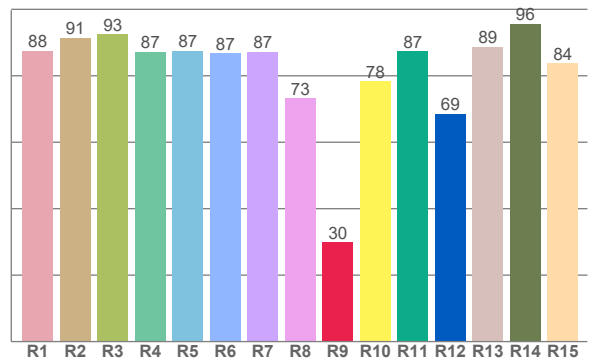
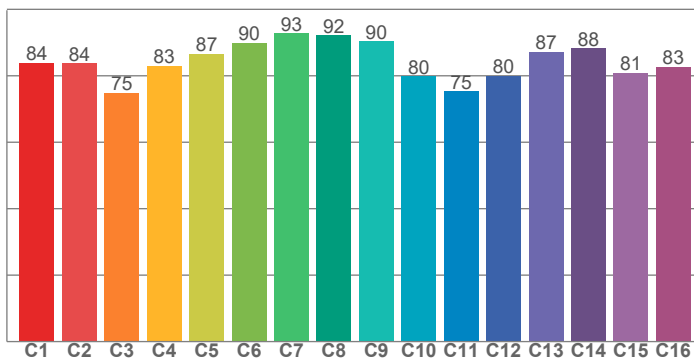
Spectra





TM30: 84,0

CRI: 86,7 (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
87,6	91,4	92,5	87,3	87,5	86,7	87,3	73,2	29,9	78,3	87,3	68,6	88,7	95,7	83,7

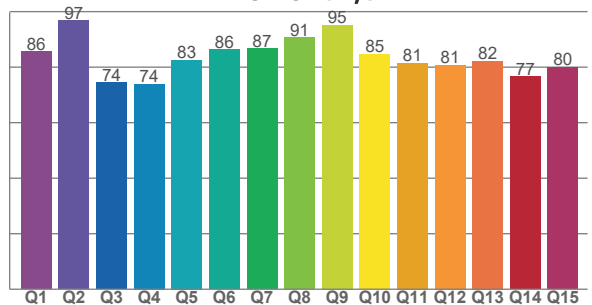
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
84,0	83,8	74,9	83,0	86,7	89,9	92,8	92,1	90,3	79,8	75,3	80,0	87,1	88,2	80,9	82,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,7	96,8	74,4	73,9	82,6	86,3	86,7	90,7	95,1	84,6	81,5	80,8	82,3	76,6	79,9

CQS: 82,6



COLOR PARAMETERS

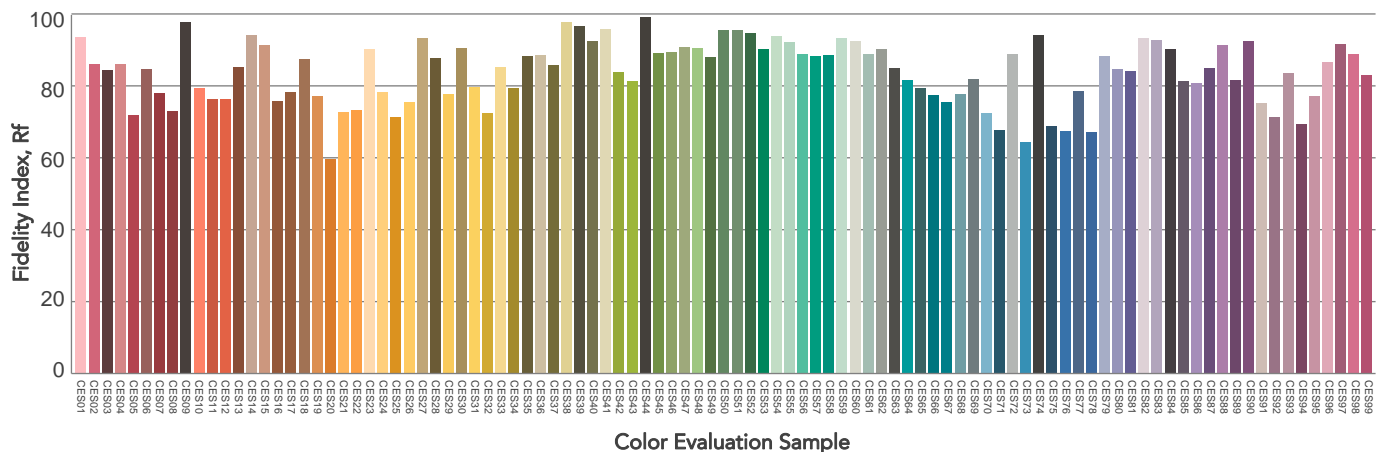
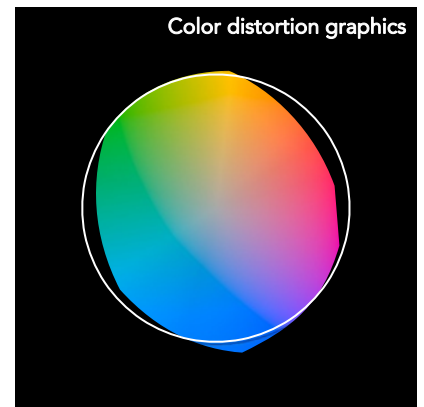
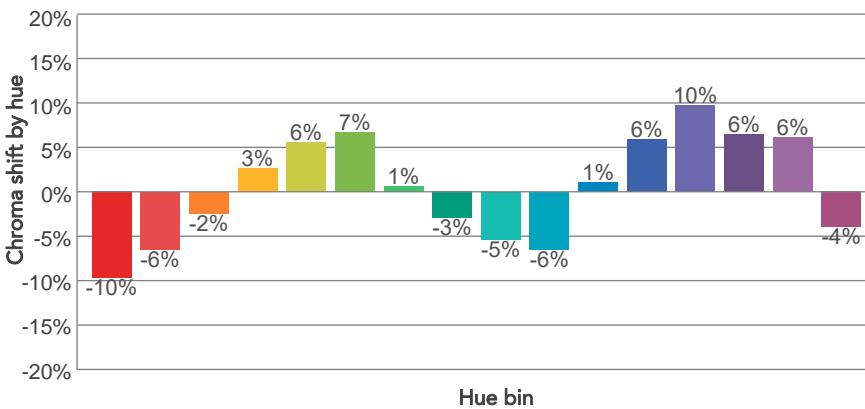
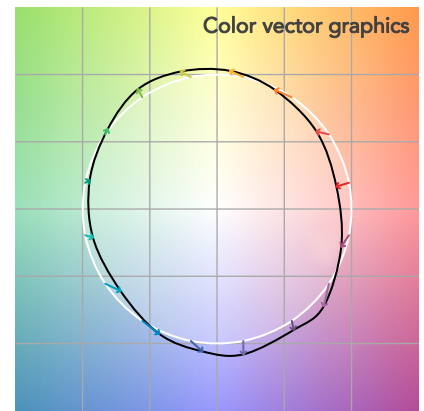
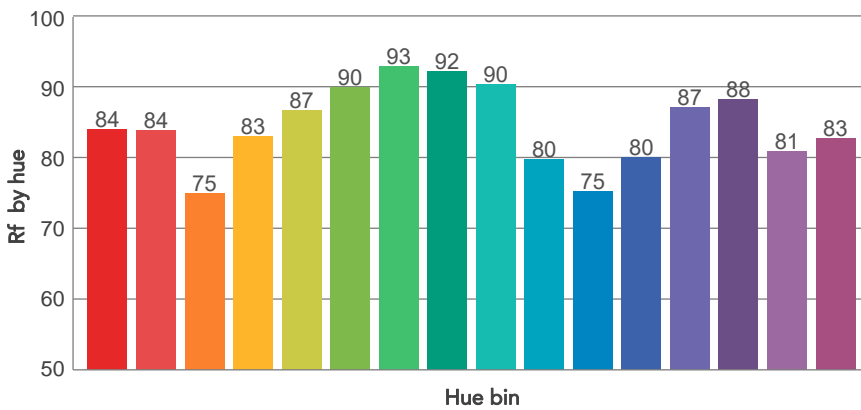
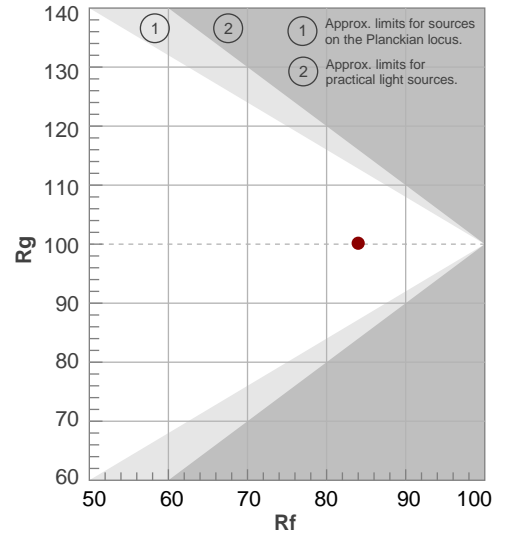
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4345 K	86,7	29,9	84,0	100,2	82,6	71	0,363	0,349	-0,0078

TM30 DETAILS

Rf 84,0
Fidelity index Rf

Rg 100,2
Gammut index

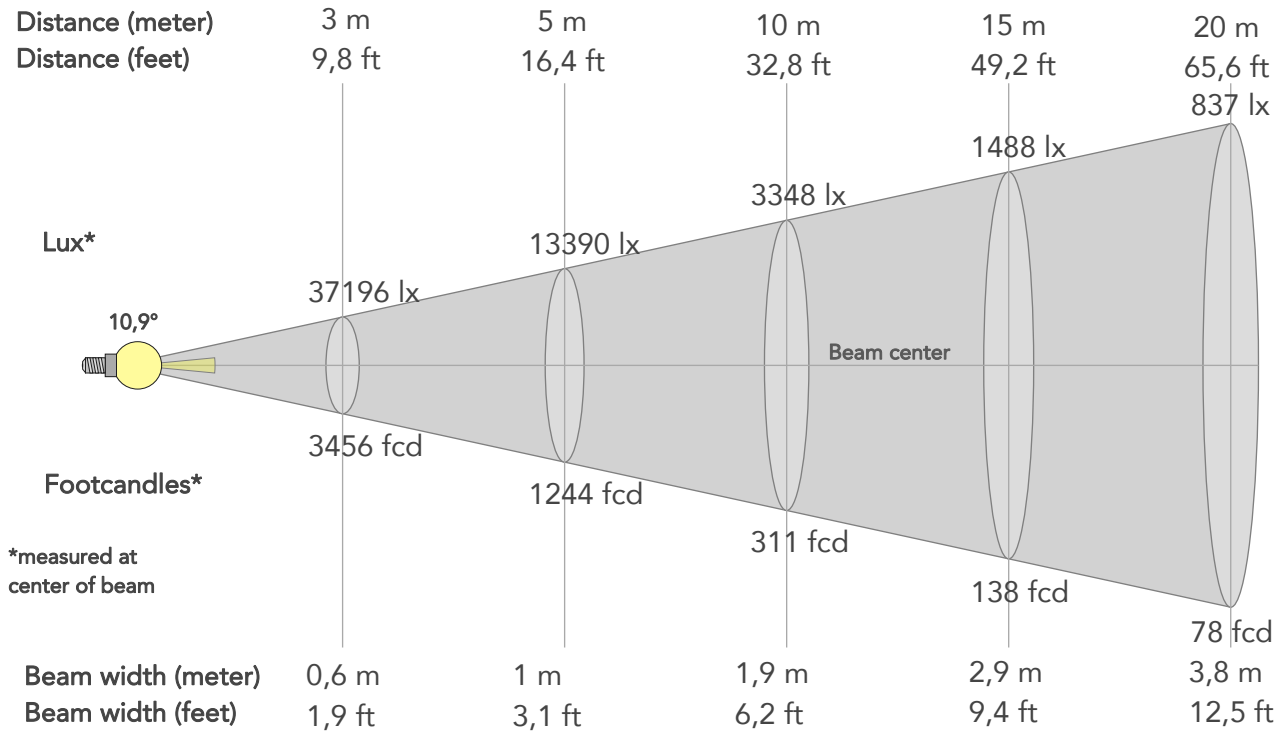
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	84	-10%	-1%
2	84	-6%	7%
3	75	-2%	13%
4	83	3%	10%
5	87	6%	6%
6	90	7%	0%
7	93	1%	-4%
8	92	-3%	-2%
9	90	-5%	3%
10	80	-6%	11%
11	75	1%	16%
12	80	6%	10%
13	87	10%	-2%
14	88	6%	-2%
15	81	6%	-16%
16	83	-4%	-9%



BEAM DETAILS



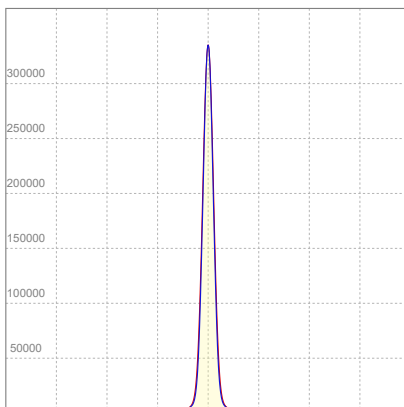
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,9°	20°	27,8°	100,0%	99,9%



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	334762lx	83691lx	37196lx	20923lx	13390lx	5951lx	3348lx	1488lx	837lx	536lx	372lx	209lx	134lx
Footcand.	31100fcd	7775fcd	3456fcd	1944fcd	1244fcd	553fcd	311fcd	138fcd	78fcd	50fcd	35fcd	19fcd	12fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,8m	4,8m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,2ft	9,4ft	12,5ft	15,6ft	18,7ft	25ft	31,2ft

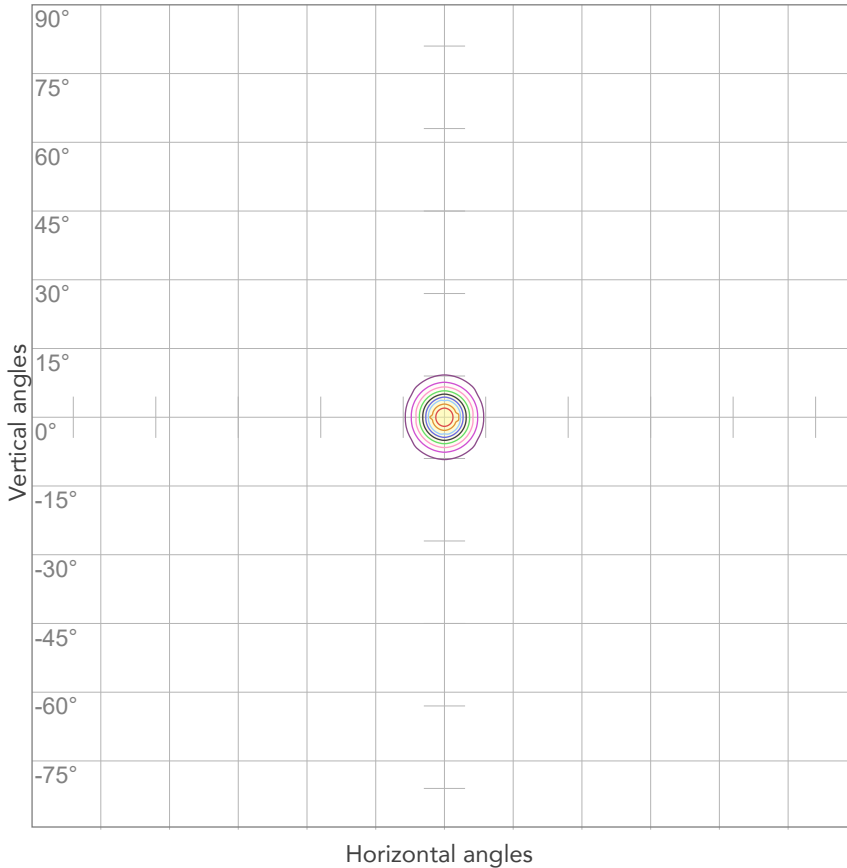
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,18A	259,4W	62lm/W
Power Fc			
0,98			

ISO CANDELA DIAGRAM



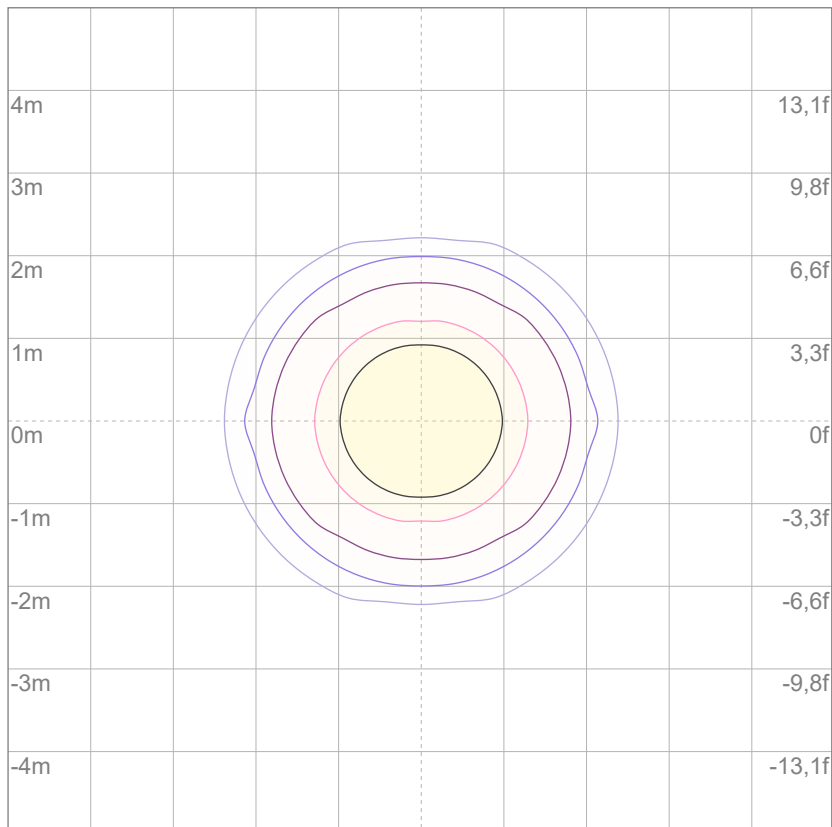
10%	33476 cd
20%	66952 cd
30%	100429 cd
40%	133905 cd
50%	167381 cd
60%	200857 cd
70%	234334 cd
80%	267810 cd

Conditions:

Number of c-planes: 4

Candela at center: 334762 cd

ISO LUX DIAGRAM



3%	100 lx
5%	167 lx
10%	335 lx
30%	1004 lx
50%	1674 lx

Conditions:

Number of c-planes: 4

Lux at center: 3348 lx

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



Total lumen output:

14121 lm

Peak candela output:

58943 cd

Light quality:

CRI: 86,1

Color temperature:

4360 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 20°

Target:

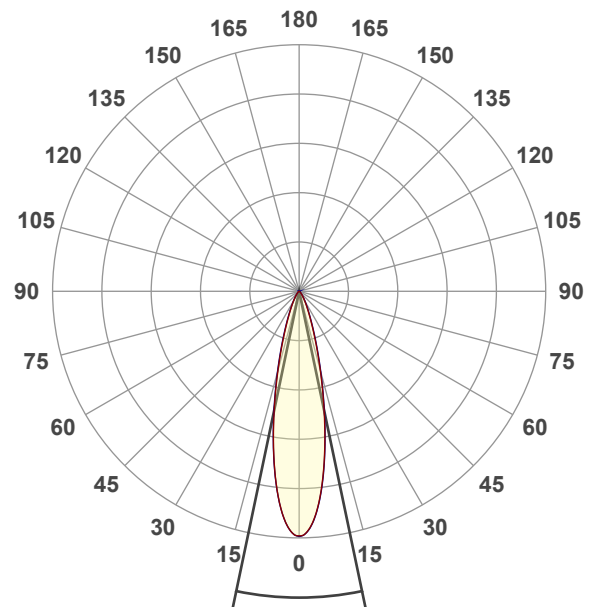
Full On

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:30:13

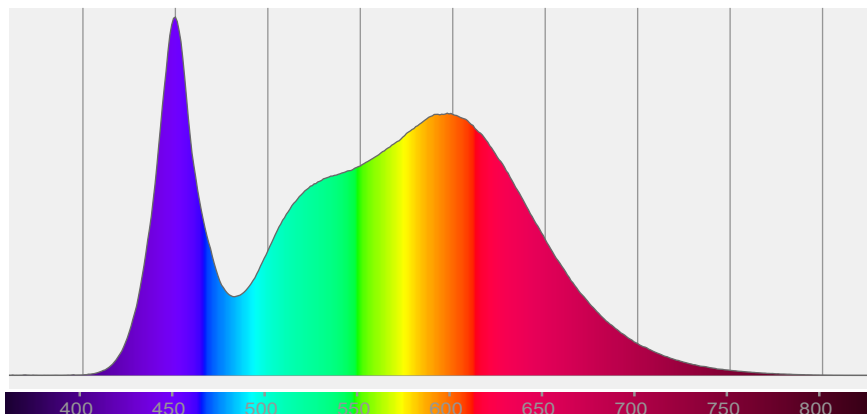


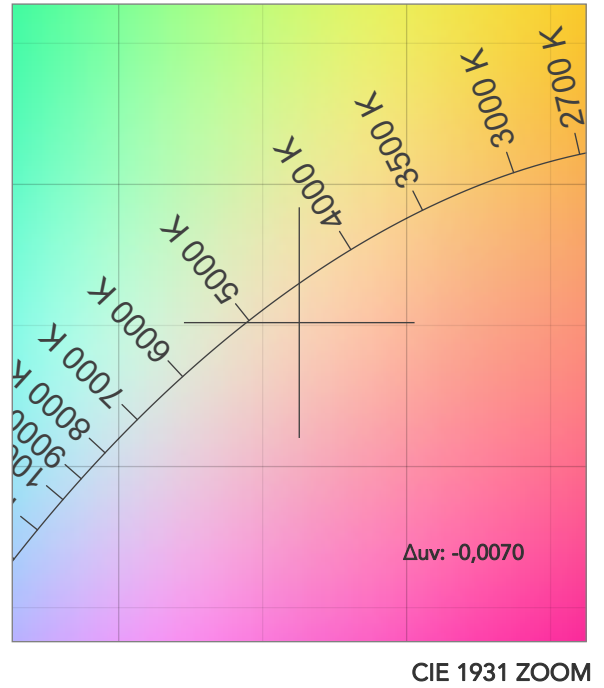
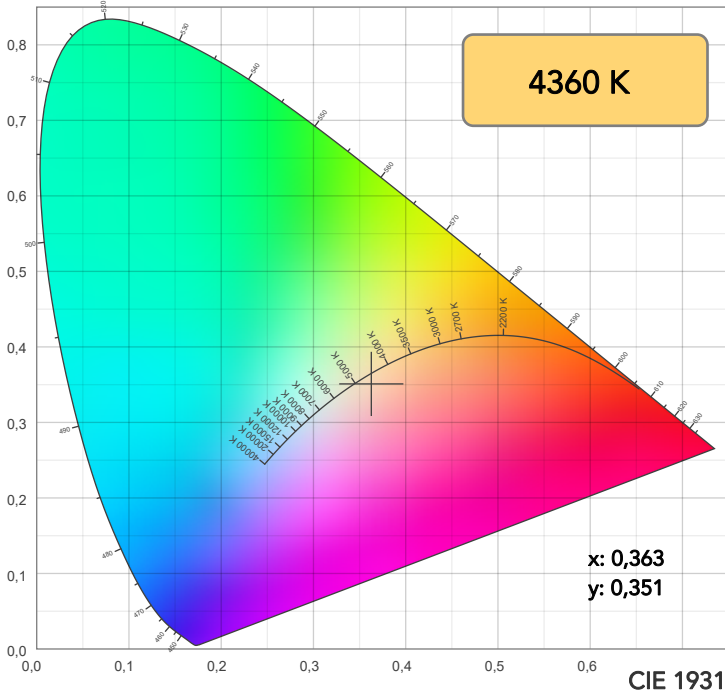
Beam angle 50%: 23,7°

Field angle 10%: 47,7°

Cut off angle 2.5%: 71,1°

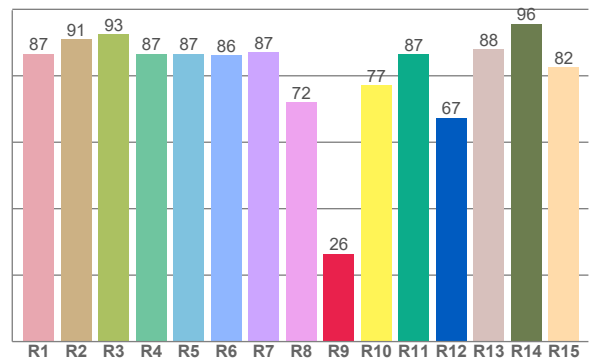
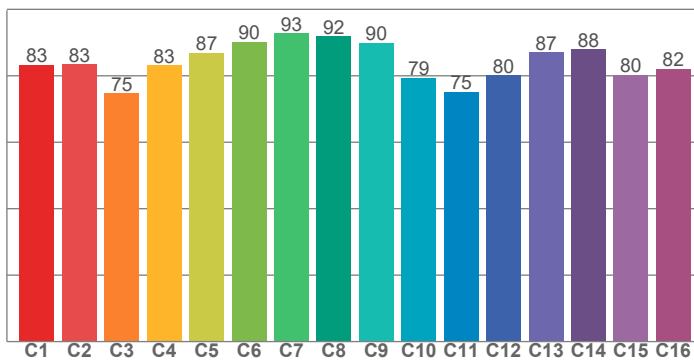
Spectra





TM30: 83,8

CRI: 86,1 (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
86,7	91,0	92,5	86,6	86,6	86,2	87,1	72,1	26,5	77,2	86,5	67,4	87,9	95,7	82,5

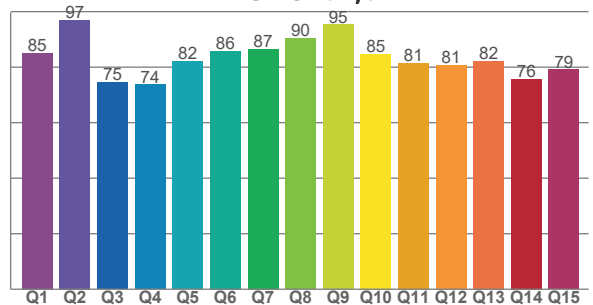
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,3	83,5	74,7	83,1	86,8	90,2	92,7	91,8	90,0	79,4	75,1	80,2	87,0	88,0	80,4	82,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,1	97,0	74,5	73,7	82,1	85,8	86,5	90,4	95,3	84,7	81,5	80,8	82,1	75,7	79,1

CQS: 82,3



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
4360 K	86,1	26,5	83,8	99,7	82,3	70	0,363	0,351	-0,0070

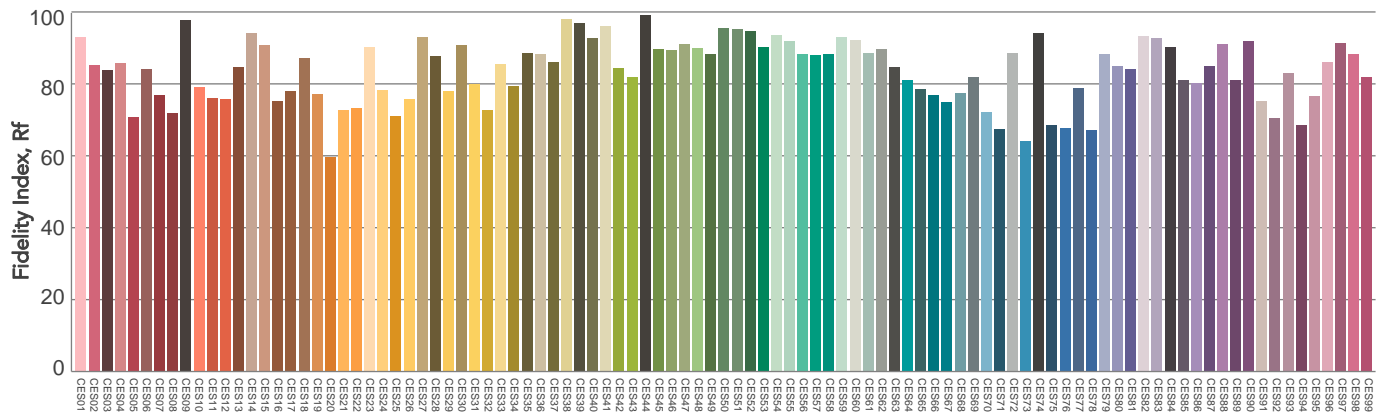
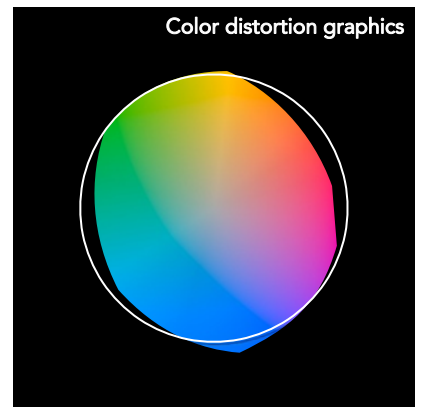
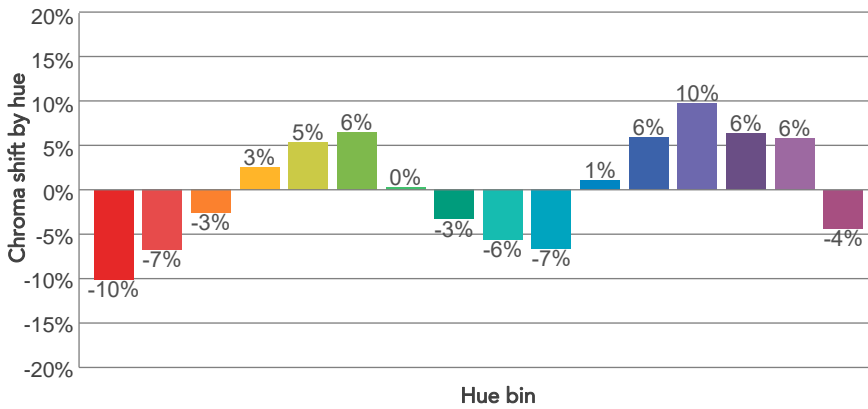
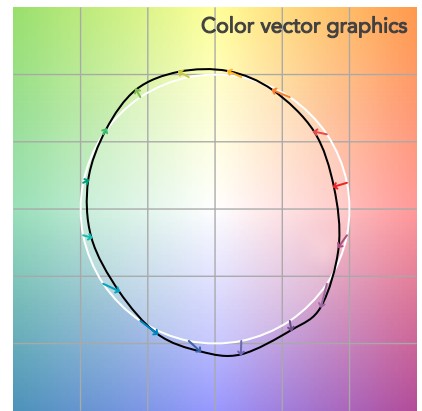
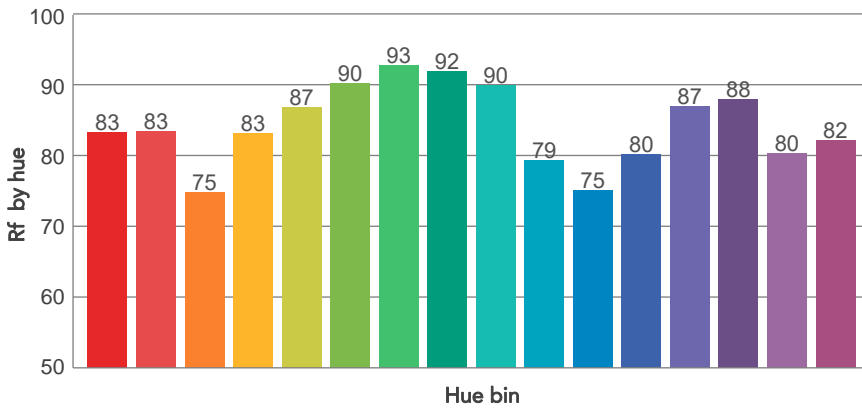
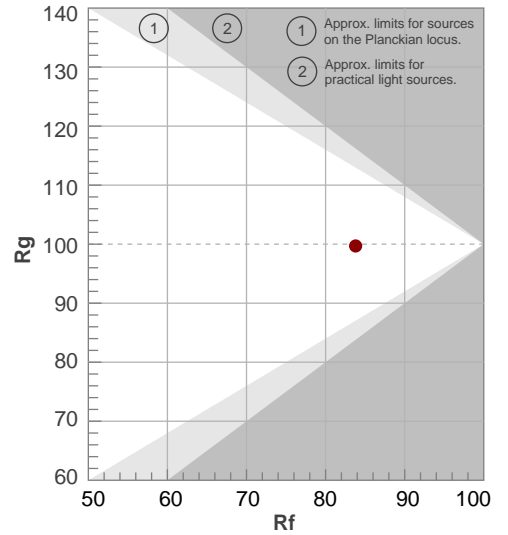
TM30 DETAILS



Rf 83,8
Fidelity index Rf

Rg 99,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	83	-7%	7%
3	75	-3%	13%
4	83	3%	10%
5	87	5%	6%
6	90	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-6%	3%
10	79	-7%	11%
11	75	1%	16%
12	80	6%	10%
13	87	10%	-2%
14	88	6%	-3%
15	80	6%	-16%
16	82	-4%	-10%

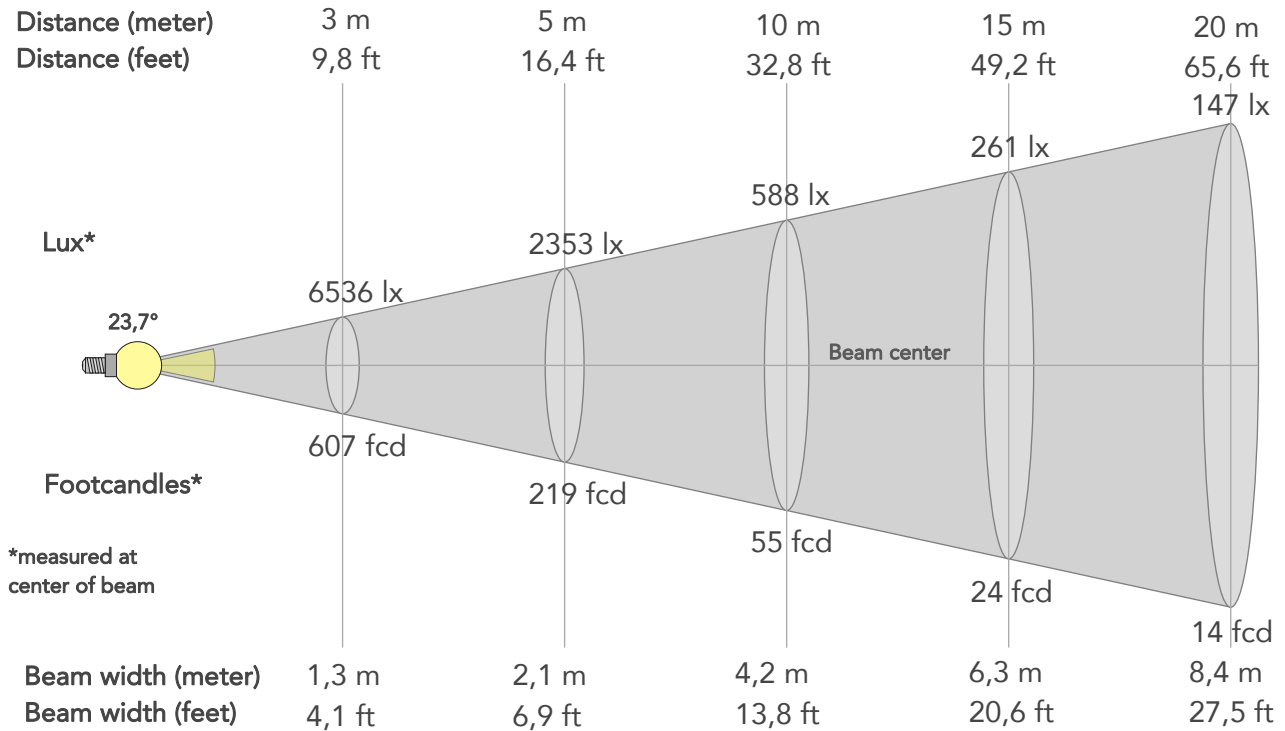


Color Evaluation Sample

BEAM DETAILS



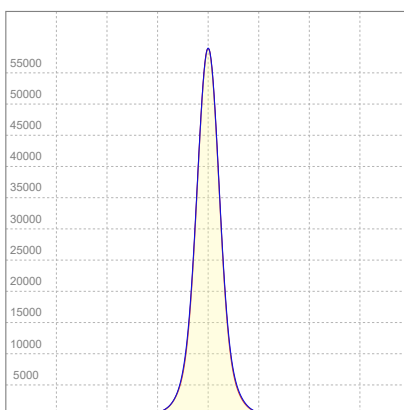
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,7°	47,7°	71,1°	99,6%	96,9%



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	58825lx	14706lx	6536lx	3677lx	2353lx	1046lx	588lx	261lx	147lx	94lx	65lx	37lx	24lx
Footcand.	5465fcd	1366fcd	607fcd	342fcd	219fcd	97fcd	55fcd	24fcd	14fcd	9fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,4m	10,5m	12,6m	16,8m	21m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,3ft	13,8ft	20,6ft	27,5ft	34,4ft	41,3ft	55ft	68,8ft

LINEAR DISTRIBUTION DIAGRAM

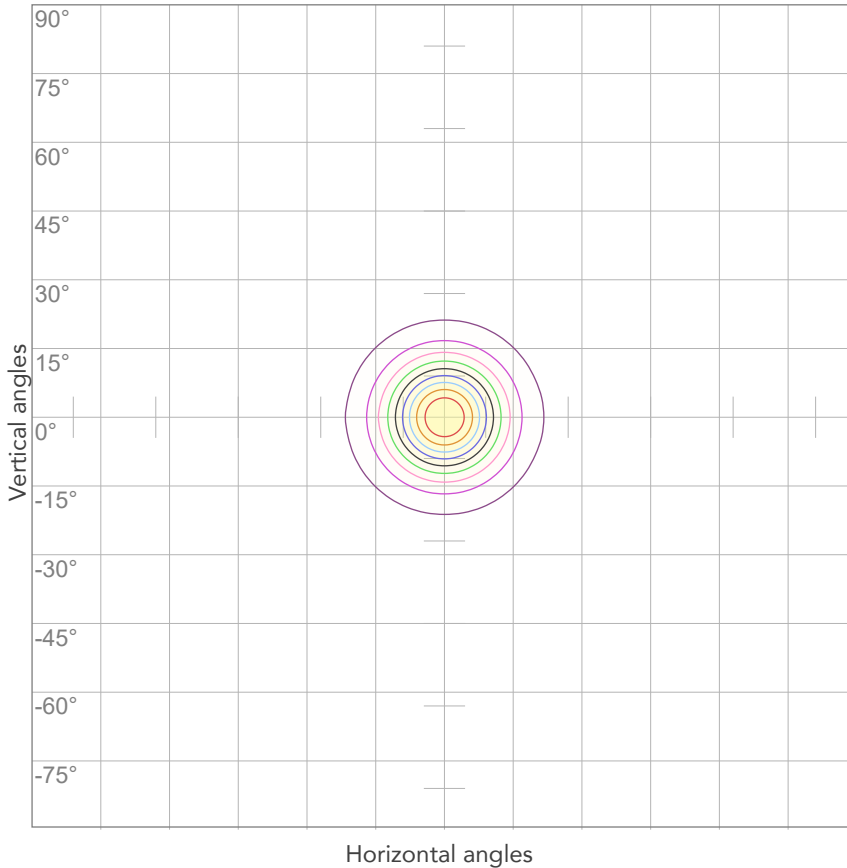


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,19A	259,2W	54lm/W

Power Fc
0,98

ISO CANDELA DIAGRAM



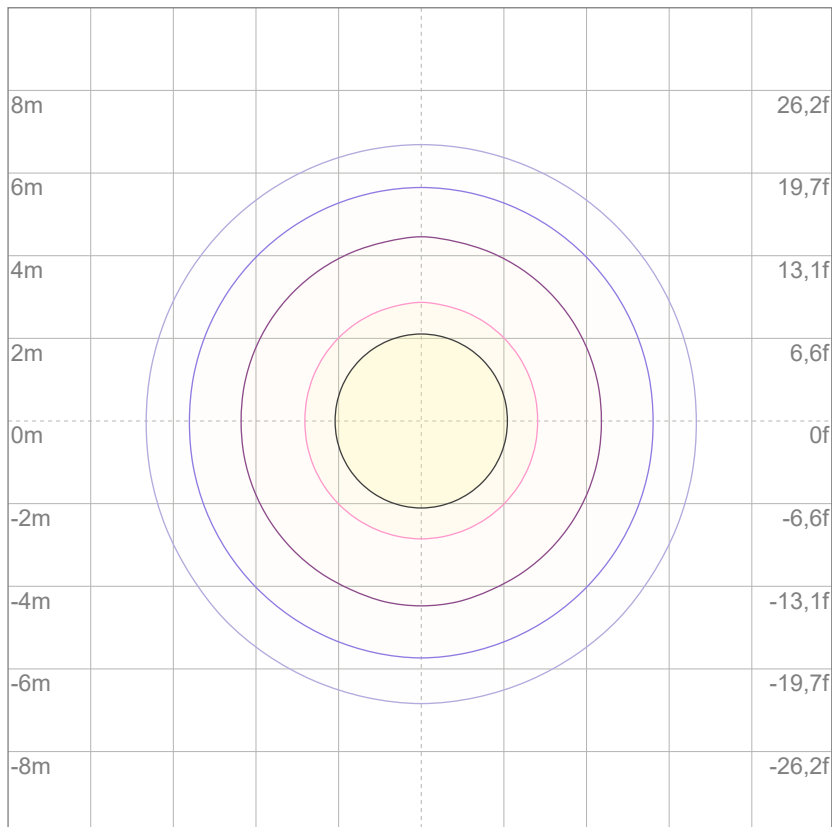
10%	5882 cd
20%	11765 cd
30%	17647 cd
40%	23530 cd
50%	29412 cd
60%	35295 cd
70%	41177 cd
80%	47060 cd

Conditions:

Number of c-planes: 4

Candela at center: 58825 cd

ISO LUX DIAGRAM



3%	17,6 lx
5%	29,4 lx
10%	58,8 lx
30%	176 lx
50%	294 lx

Conditions:

Number of c-planes: 4

Lux at center: 588 lx

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



Total lumen output:

13204 lm

Peak candela output:

35386 cd

Light quality:

CRI: 86,3

Color temperature:

4385 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°

Target:

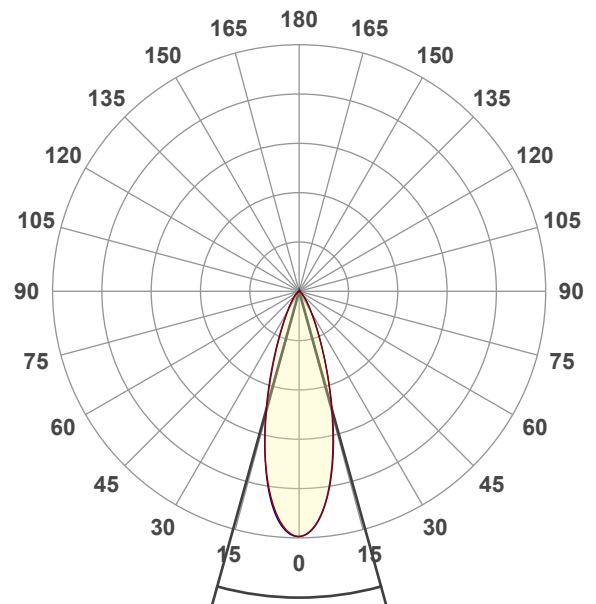
Full On

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:41:24

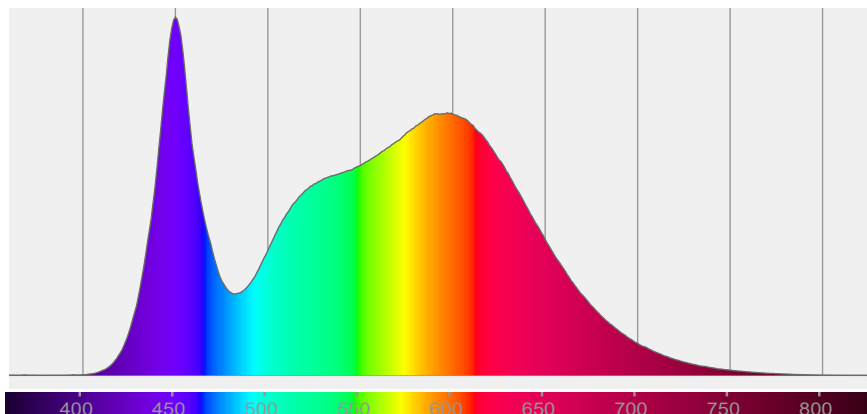


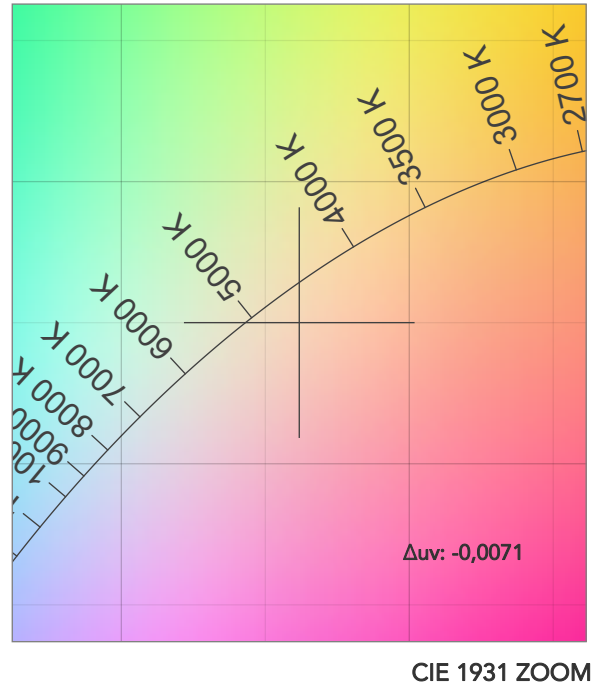
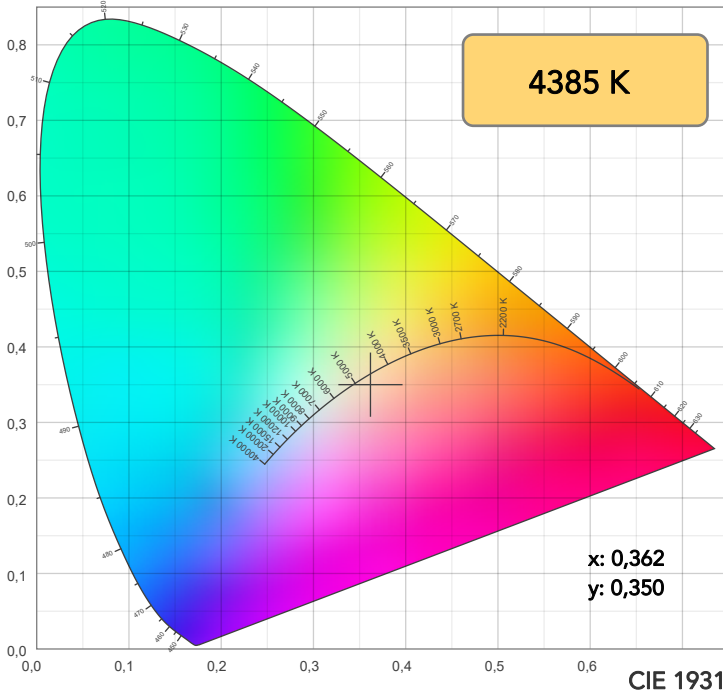
Beam angle 50%: 31°

Field angle 10%: 59,5°

Cut off angle 2.5%: 86,3°

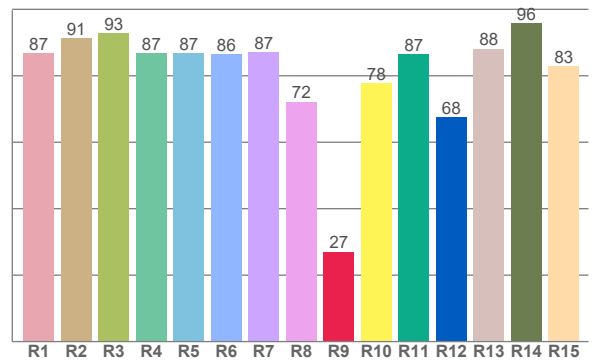
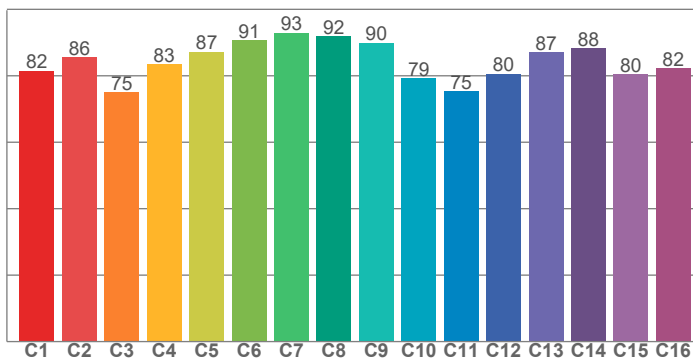
Spectra





TM30: 83,9

CRI: 86,3 (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
86,9	91,3	92,8	86,7	86,8	86,4	87,1	72,2	27,0	77,9	86,5	67,5	88,2	95,9	82,8

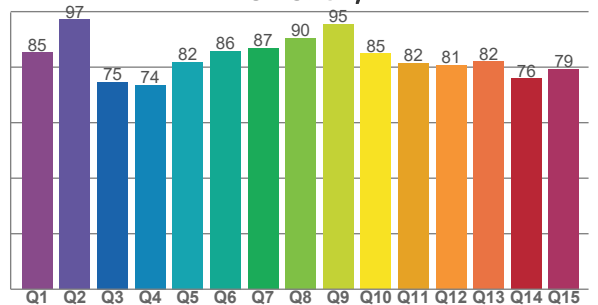
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,5	85,5	75,0	83,5	87,2	90,6	92,9	91,9	89,8	79,3	75,3	80,5	87,1	88,2	80,4	82,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,3	97,2	74,7	73,5	81,9	85,8	86,8	90,4	95,4	84,9	81,5	80,7	82,1	75,8	79,3

CQS: 82,4



COLOR PARAMETERS

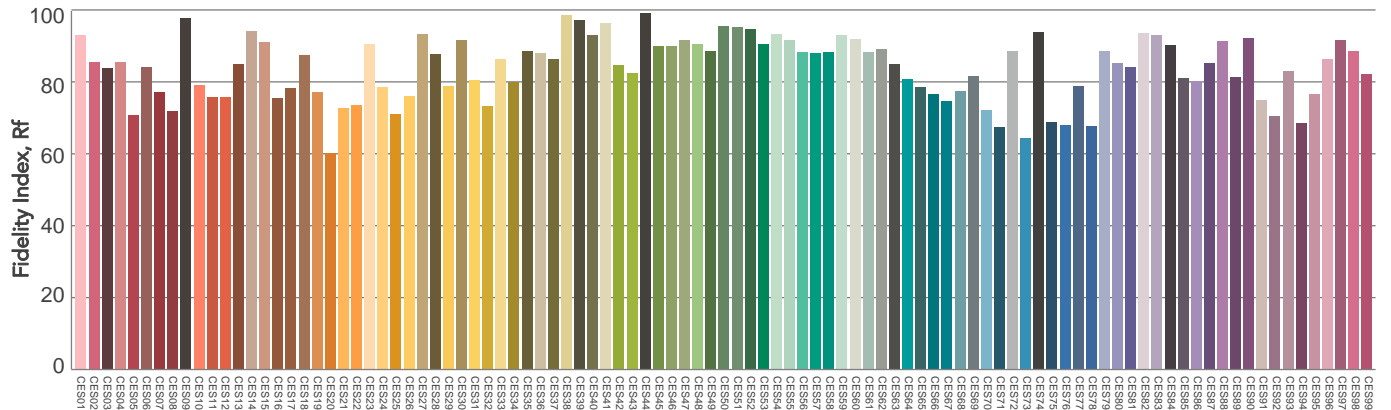
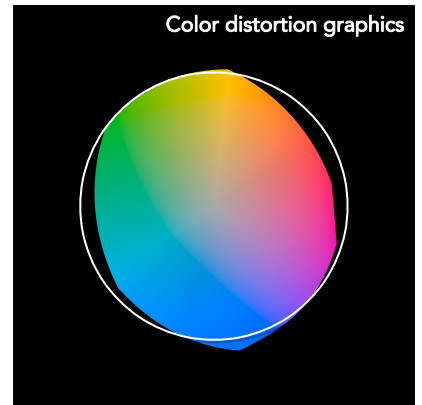
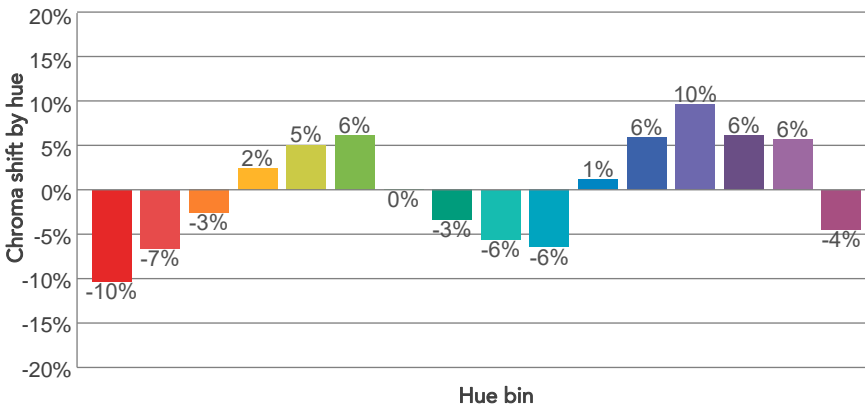
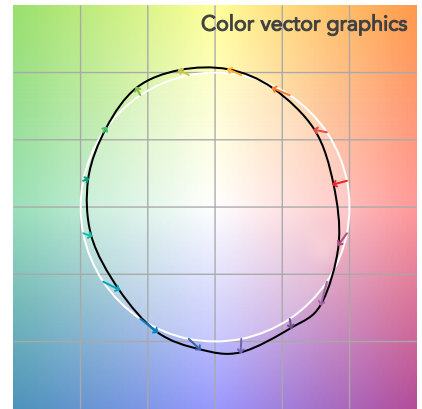
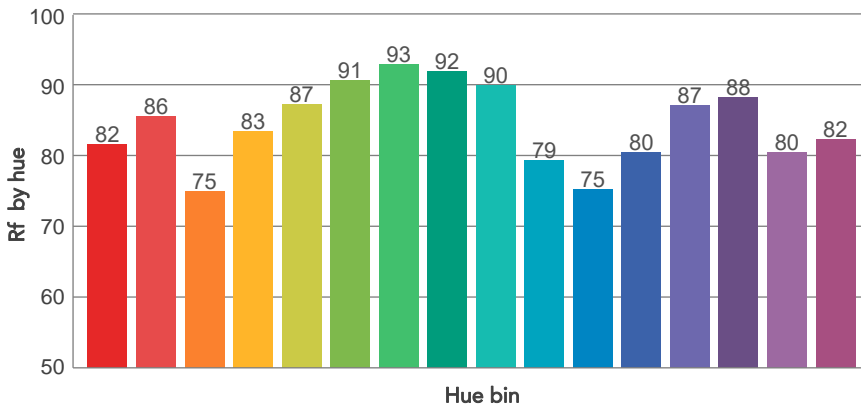
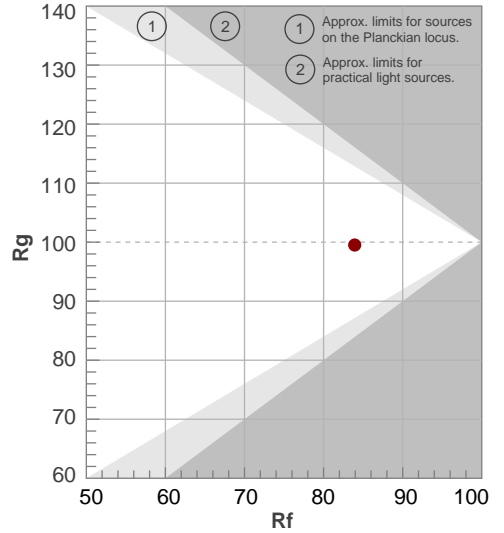
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4385 K	86,3	27,0	83,9	99,5	82,4	71	0,362	0,350	-0,0071

TM30 DETAILS

Rf 83,9
Fidelity index Rf

Rg 99,5
Gammut index

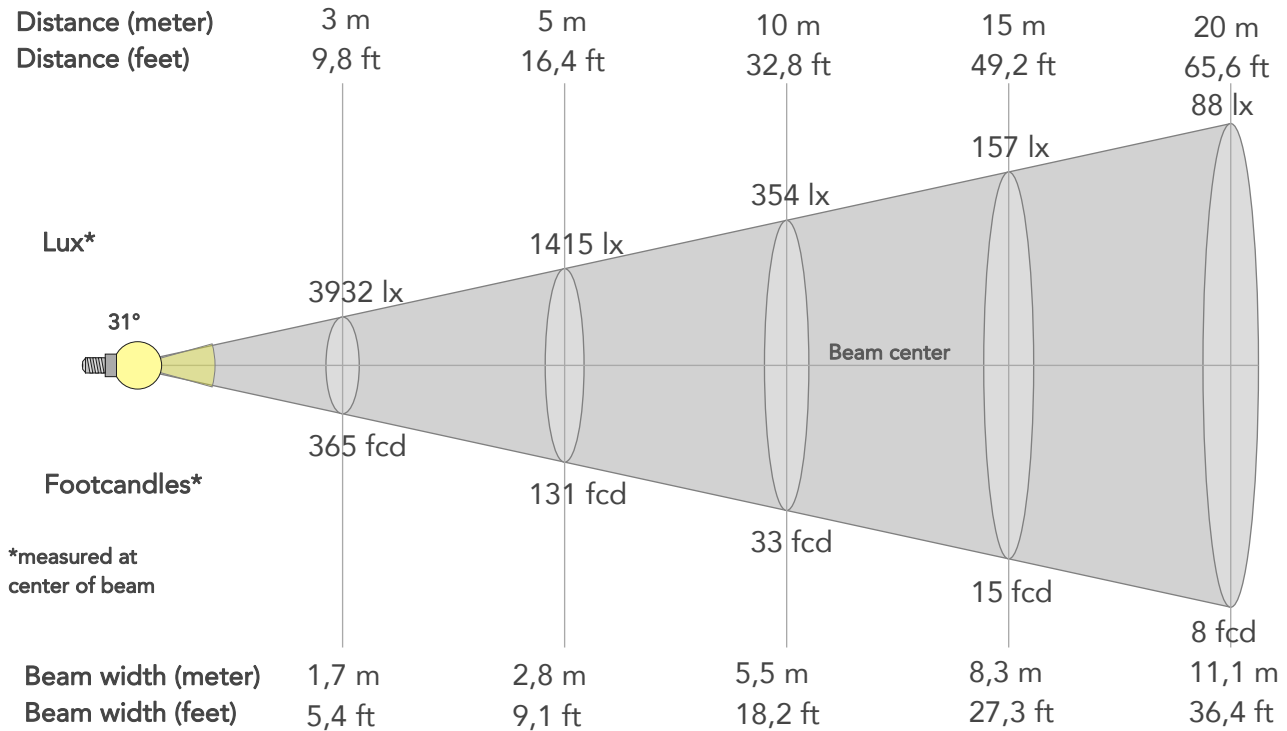
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	86	-7%	7%
3	75	-3%	13%
4	83	2%	10%
5	87	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-6%	3%
10	79	-6%	11%
11	75	1%	16%
12	80	6%	10%
13	87	10%	-2%
14	88	6%	-3%
15	80	6%	-16%
16	82	-4%	-9%



BEAM DETAILS



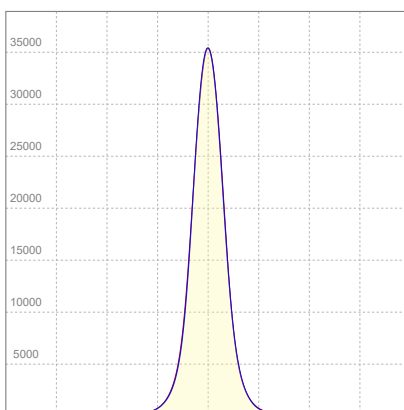
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31°	59,5°	86,3°	99,0%	95,0%



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	35384lx	8846lx	3932lx	2211lx	1415lx	629lx	354lx	157lx	88lx	57lx	39lx	22lx	14lx
Footcand.	3287fcd	822fcd	365fcd	205fcd	131fcd	58fcd	33fcd	15fcd	8fcd	5fcd	4fcd	2fcd	1fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,2m	5,5m	8,3m	11,1m	13,9m	16,6m	22,2m	27,7m
Beam wid.	1,8ft	3,7ft	5,4ft	7,3ft	9,1ft	13,7ft	18,2ft	27,3ft	36,4ft	45,5ft	54,6ft	72,8ft	91ft

LINEAR DISTRIBUTION DIAGRAM

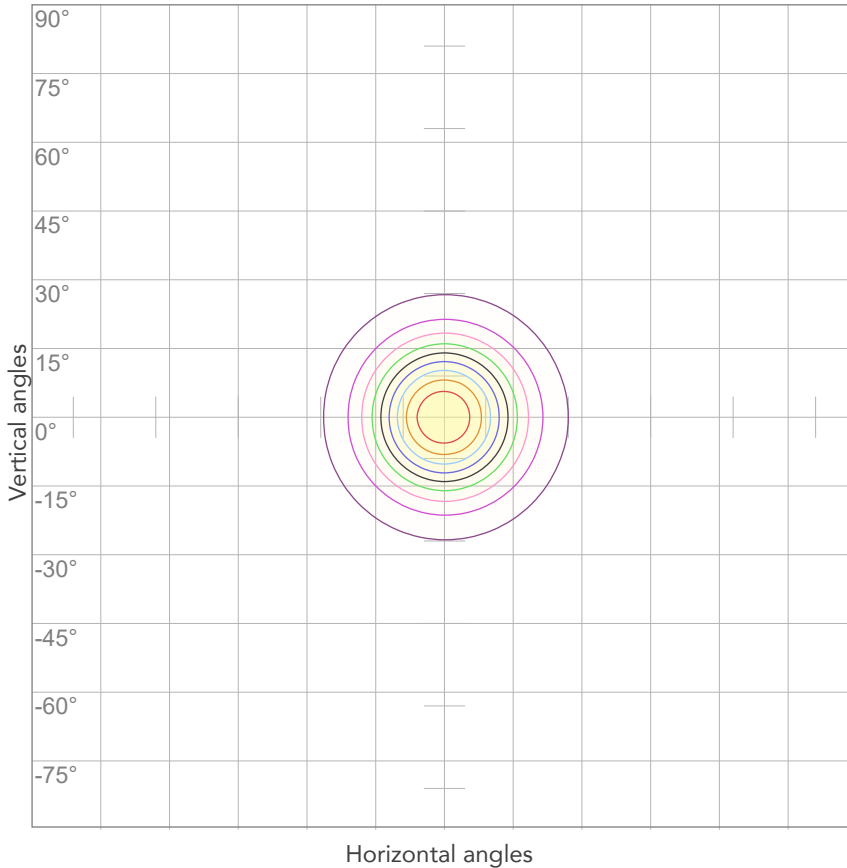


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,17A	256,7W	51lm/W

Power Fc
0,98

ISO CANDELA DIAGRAM



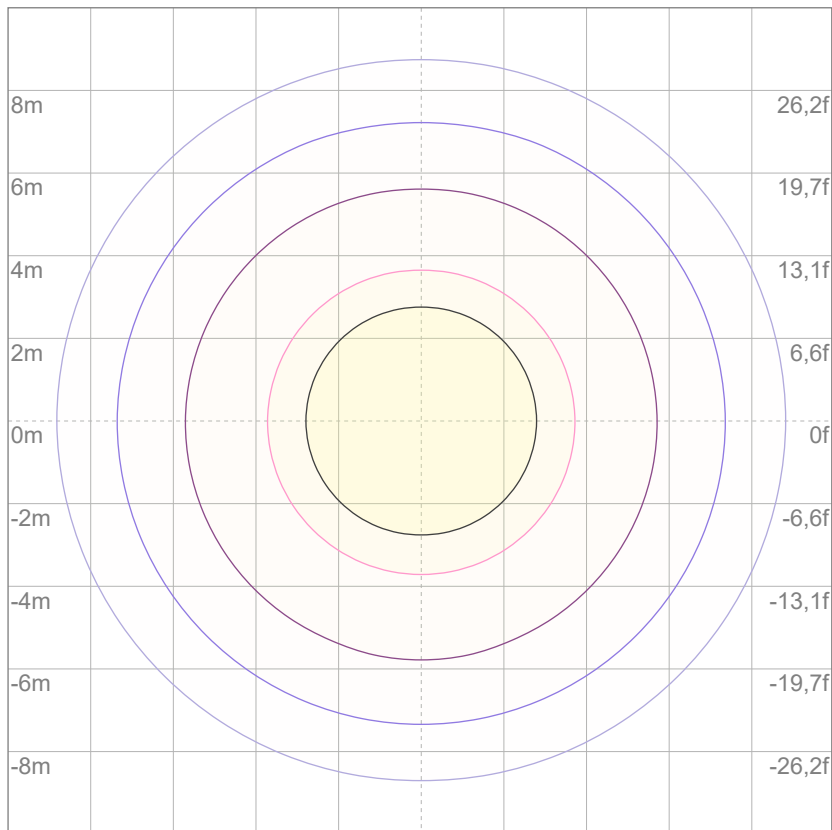
10%	3538 cd
20%	7077 cd
30%	10615 cd
40%	14153 cd
50%	17692 cd
60%	21230 cd
70%	24768 cd
80%	28307 cd

Conditions:

Number of c-planes: 4

Candela at center: 35384 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	10,6 lx
5%	17,7 lx
10%	35,4 lx
30%	106 lx
50%	177 lx

Conditions:

Number of c-planes: 4

Lux at center: 354 lx

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



Total lumen output:

14030 lm

Peak candela output:

18630 cd

Light quality:

CRI: 86,2

Color temperature:

4394 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 40°

Target:

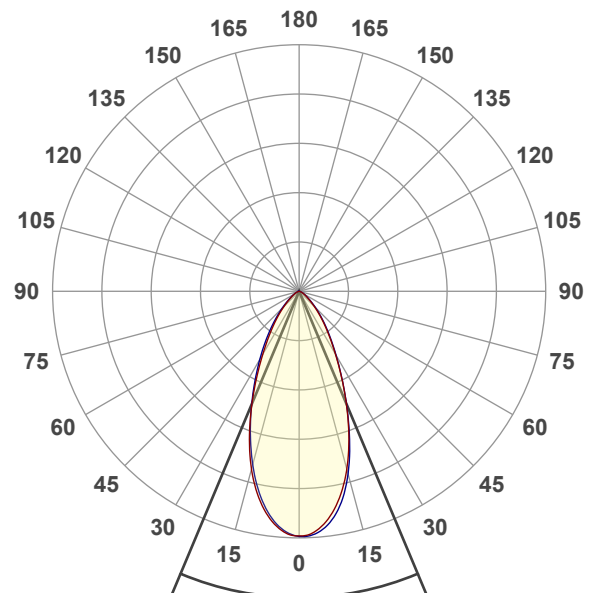
Full On

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:03:02

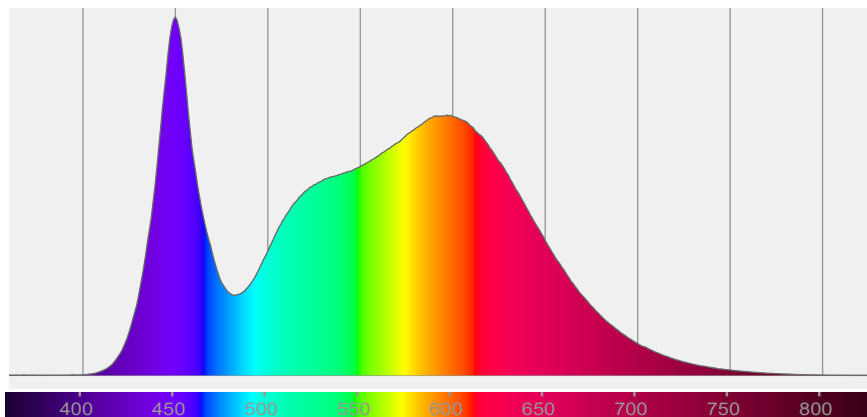


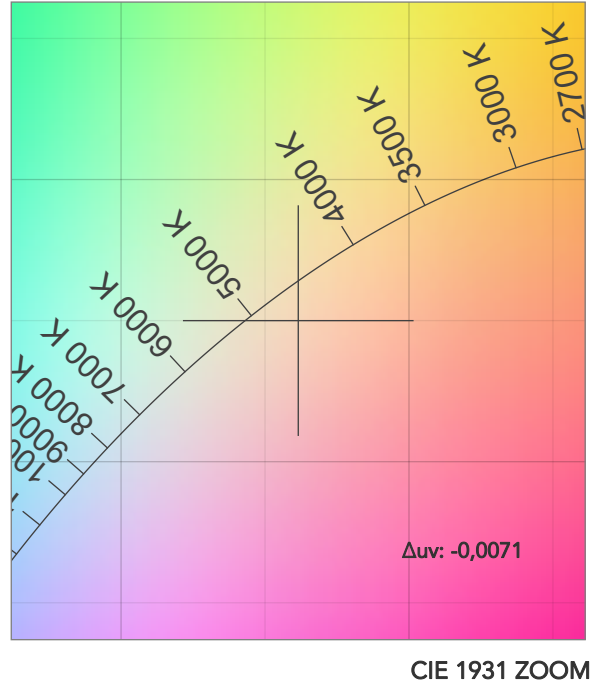
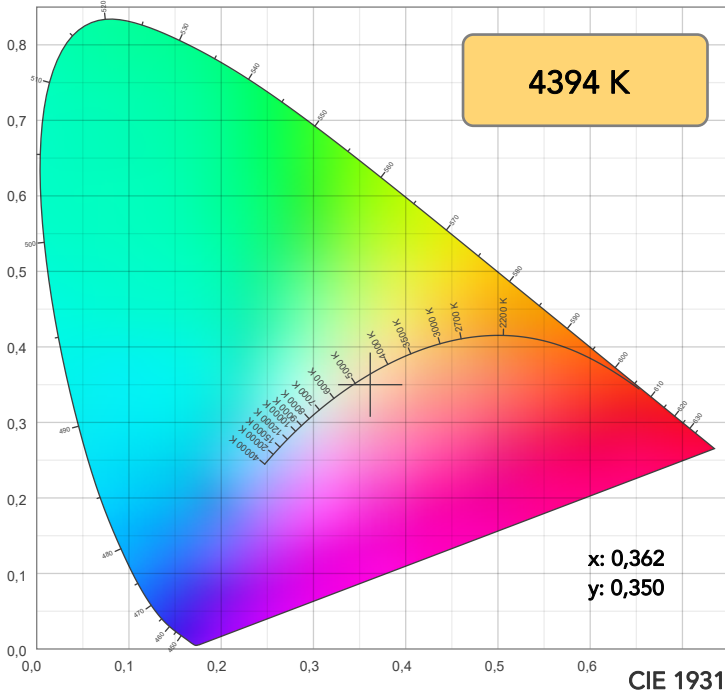
Beam angle 50%: 45,6°

Field angle 10%: 88,3°

Cut off angle 2.5%: 118,4°

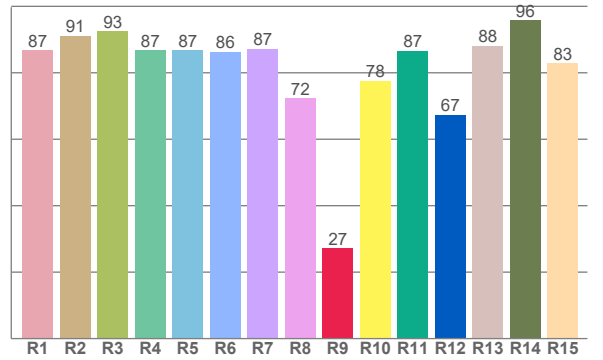
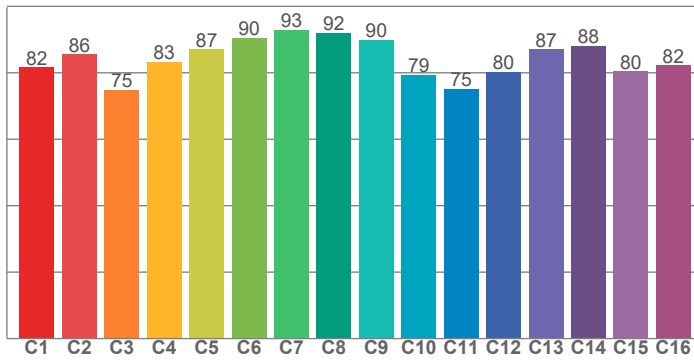
Spectra





TM30: 83,9

CRI: 86,2 (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
86,9	91,2	92,6	86,8	86,8	86,3	87,2	72,4	27,1	77,6	86,6	67,4	88,1	95,7	82,8

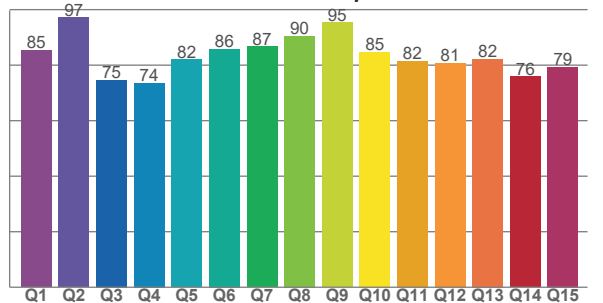
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,6	85,5	74,9	83,3	87,0	90,4	92,9	91,9	89,9	79,3	75,2	80,3	87,1	88,1	80,4	82,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,3	97,1	74,6	73,6	82,0	85,8	86,7	90,5	95,3	84,8	81,5	80,8	82,1	75,9	79,3

CQS: 82,4



COLOR PARAMETERS

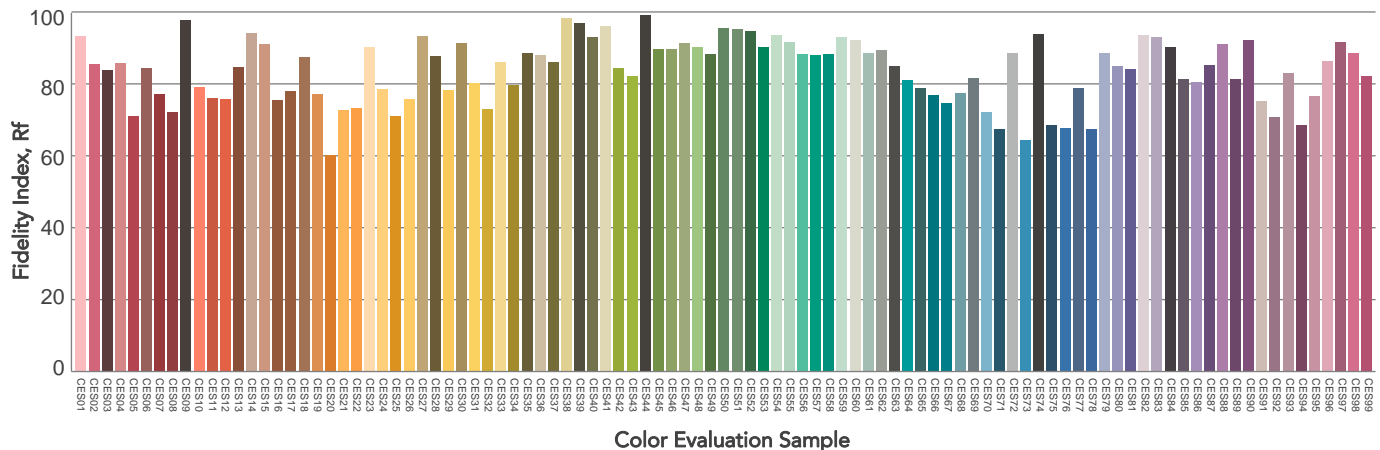
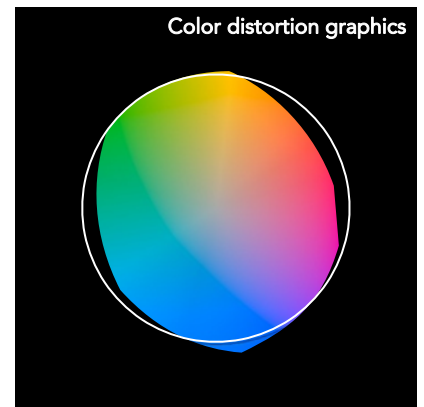
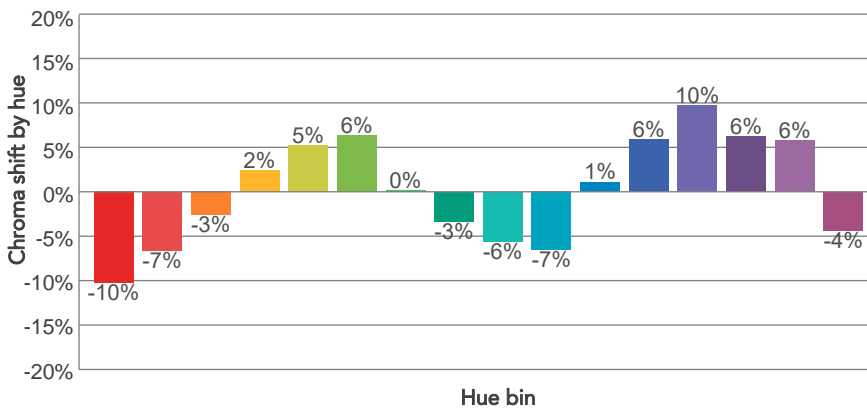
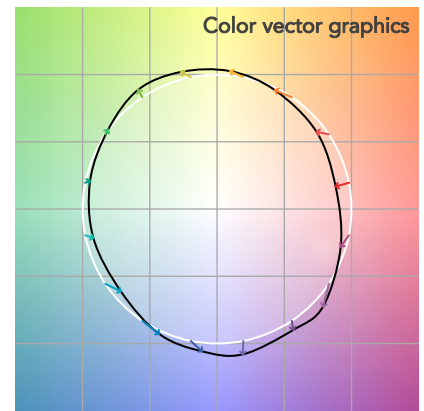
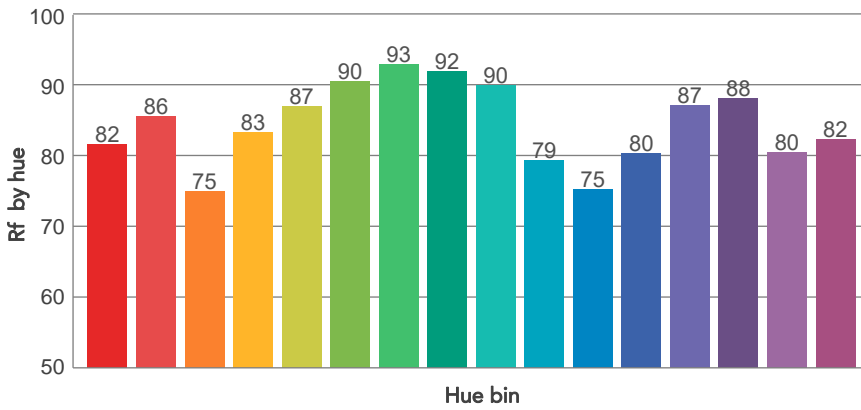
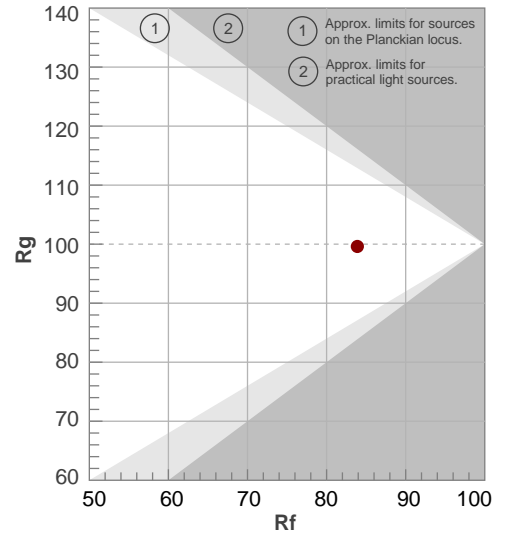
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4394 K	86,2	27,1	83,9	99,6	82,4	71	0,362	0,350	-0,0071

TM30 DETAILS

Rf 83,9
Fidelity index Rf

Rg 99,6
Gammut index

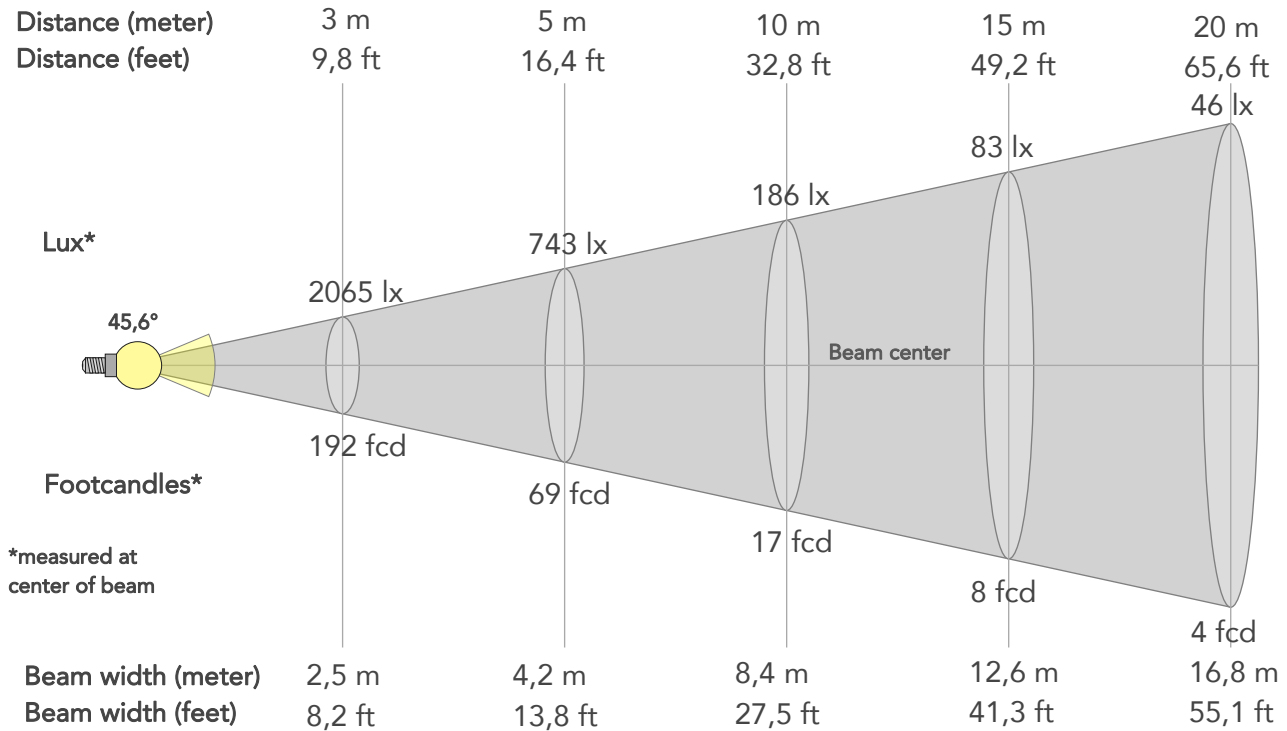
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	86	-7%	7%
3	75	-3%	13%
4	83	2%	10%
5	87	5%	6%
6	90	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-6%	3%
10	79	-7%	11%
11	75	1%	16%
12	80	6%	10%
13	87	10%	-2%
14	88	6%	-3%
15	80	6%	-16%
16	82	-4%	-10%



BEAM DETAILS



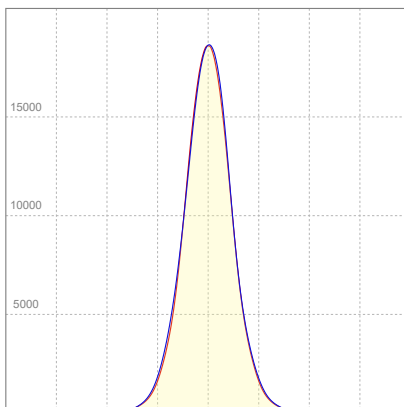
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	88,3°	118,4°	97,4%	89,1%



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	18587lx	4647lx	2065lx	1162lx	743lx	330lx	186lx	83lx	46lx	30lx	21lx	12lx	7lx
Footcand.	1727fcd	432fcd	192fcd	108fcd	69fcd	31fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,2m	33,6m	42m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,8ft	20,7ft	27,5ft	41,3ft	55,1ft	68,9ft	82,6ft	110,2ft	137,7ft

LINEAR DISTRIBUTION DIAGRAM

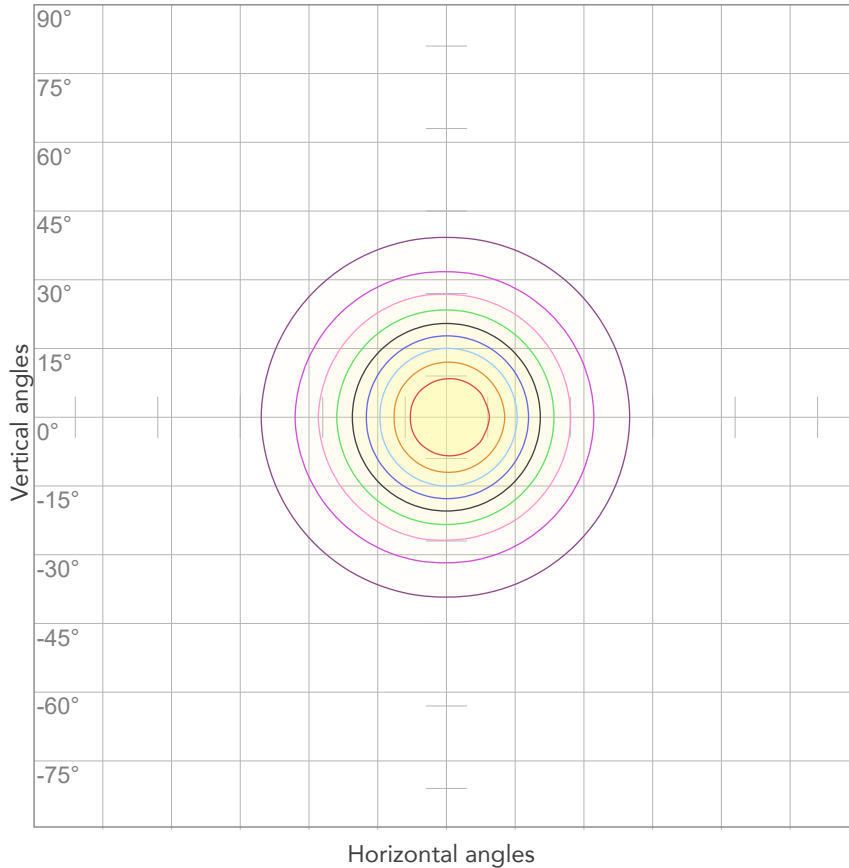


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,17A	257,4W	54lm/W

Power Fc
0,98

ISO CANDELA DIAGRAM



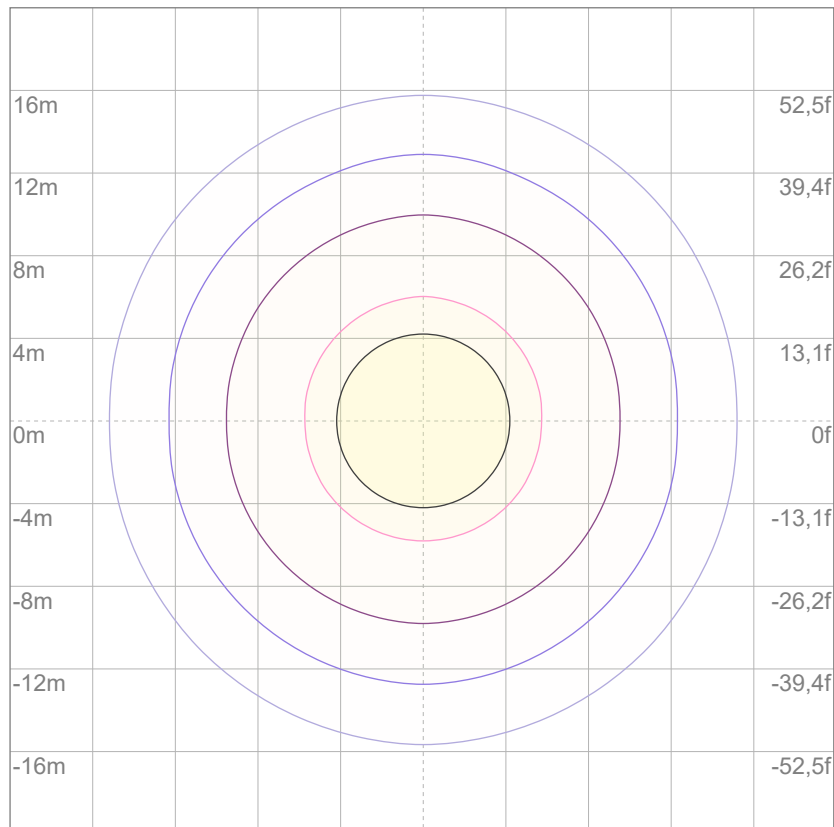
10%	1859 cd
20%	3717 cd
30%	5576 cd
40%	7435 cd
50%	9294 cd
60%	11152 cd
70%	13011 cd
80%	14870 cd

Conditions:

Number of c-planes: 4

Candela at center: 18587 cd

ISO LUX DIAGRAM



3%	5,58 lx
5%	9,29 lx
10%	18,6 lx
30%	55,8 lx
50%	92,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 186 lx

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



Total lumen output:

13811 lm

Peak candela output:

12310 cd

Light quality:

CRI: 86,2

Color temperature:

4395 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 60°

Target:

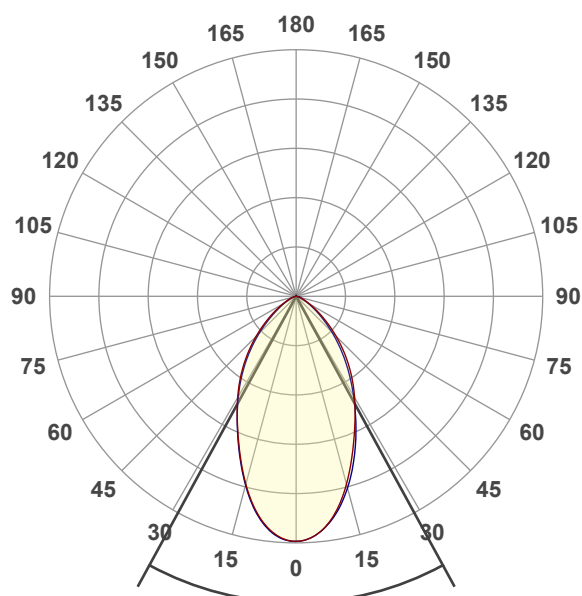
Full On

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:11:39

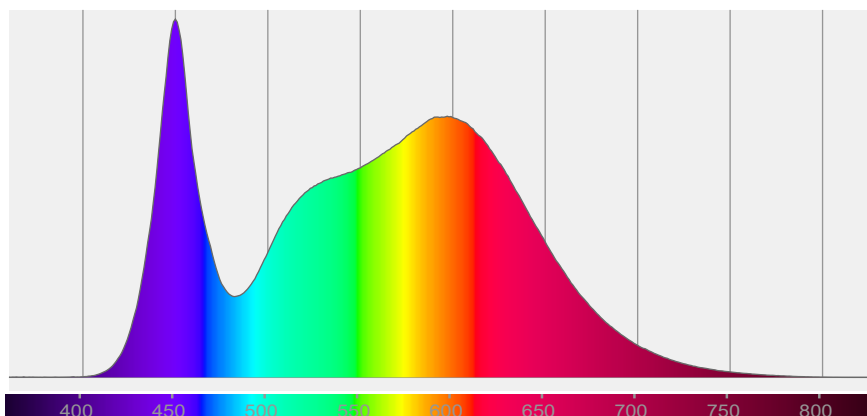


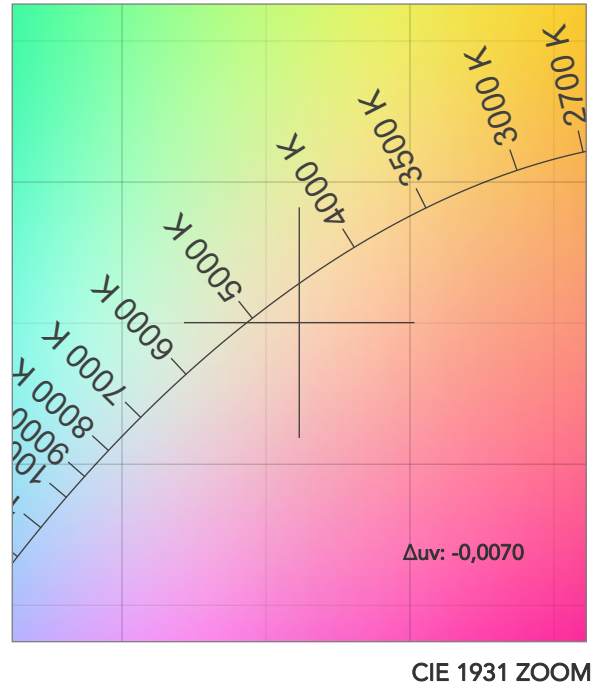
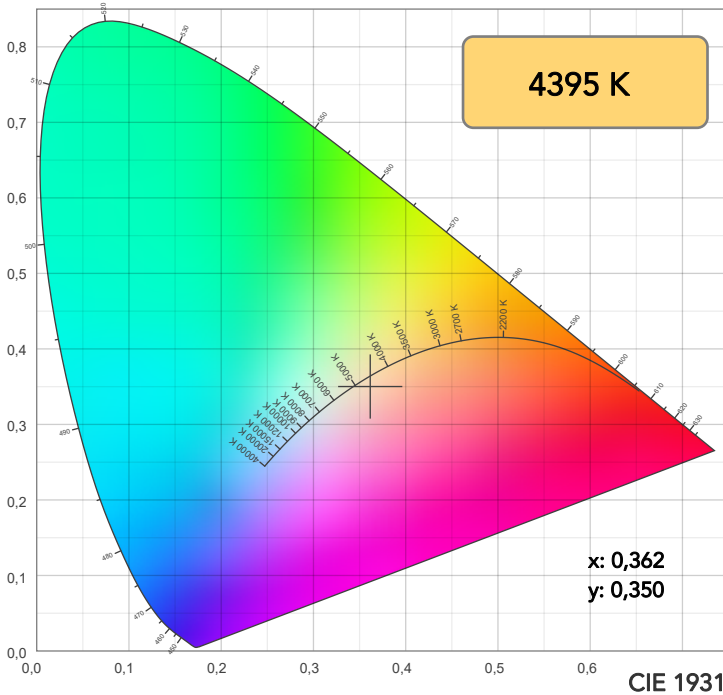
Beam angle 50%: 57,2°

Field angle 10%: 109,3°

Cut off angle 2.5%: 136,8°

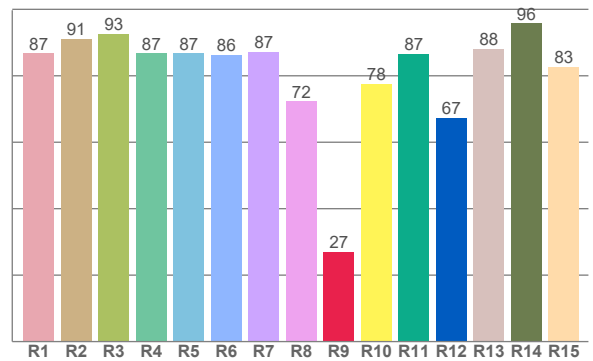
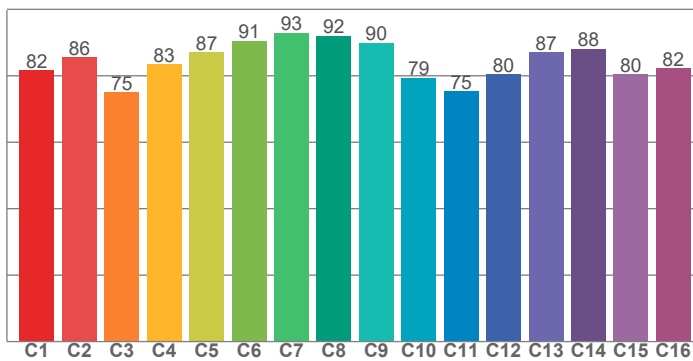
Spectra





TM30: 83,9

CRI: 86,2 (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
86,8	91,2	92,6	86,7	86,7	86,3	87,2	72,3	27,0	77,6	86,6	67,4	88,1	95,8	82,7

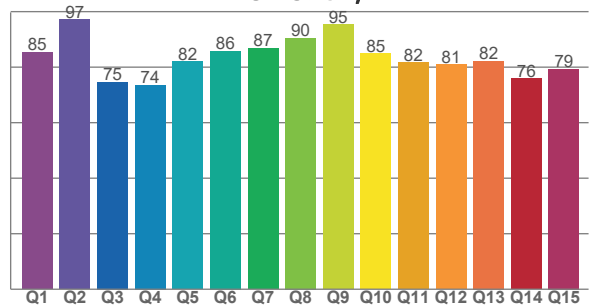
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,6	85,5	75,0	83,4	87,1	90,5	92,9	91,9	89,9	79,4	75,3	80,4	87,1	88,2	80,4	82,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,3	97,2	74,7	73,6	82,0	85,8	86,8	90,5	95,4	84,9	81,6	80,9	82,2	75,9	79,3

CQS: 82,4



COLOR PARAMETERS

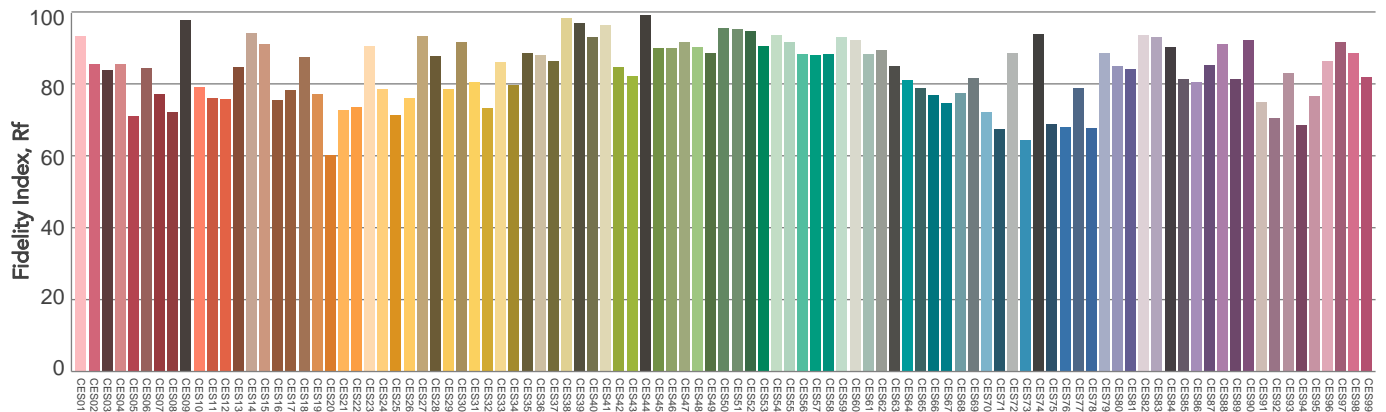
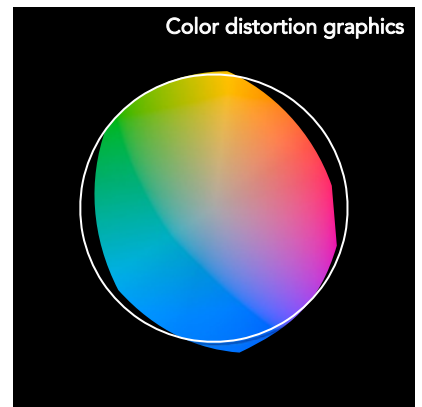
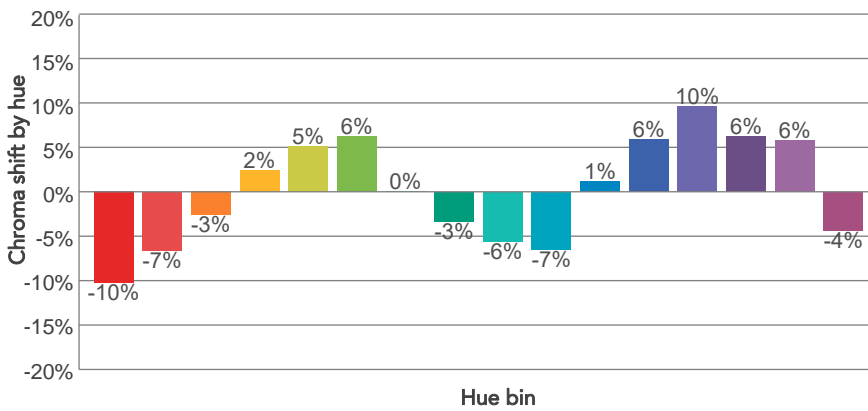
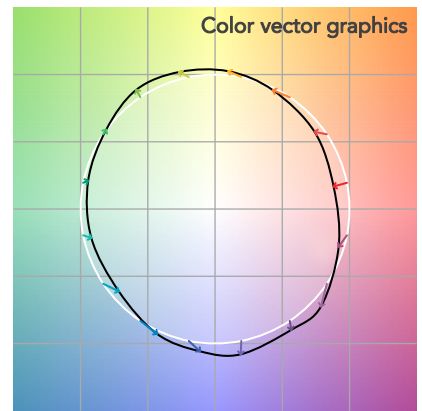
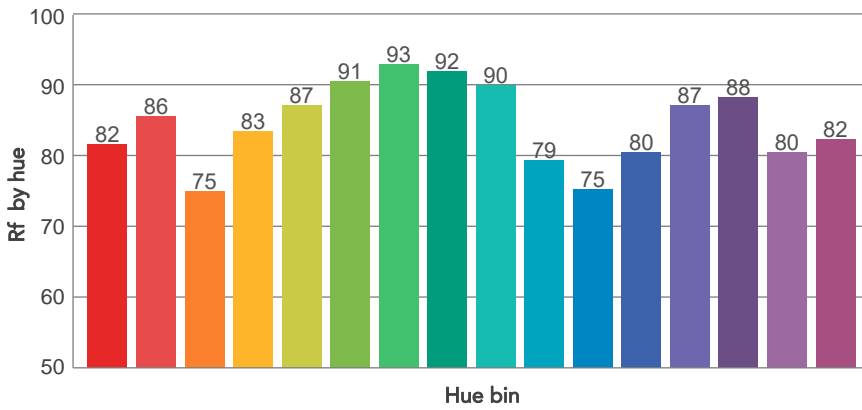
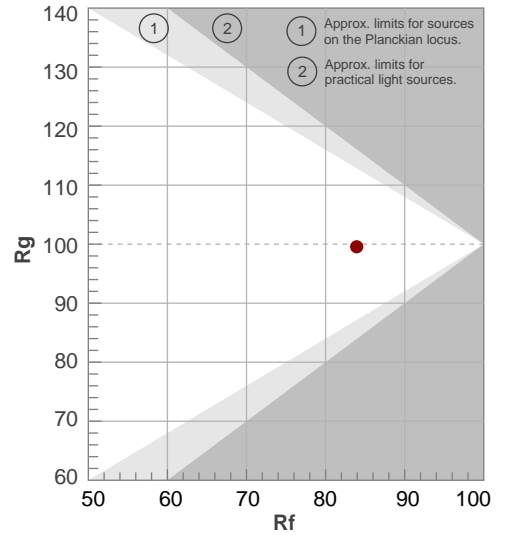
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4395 K	86,2	27,0	83,9	99,6	82,4	71	0,362	0,350	-0,0070

TM30 DETAILS

Rf 83,9
Fidelity index Rf

Rg 99,6
Gammut index

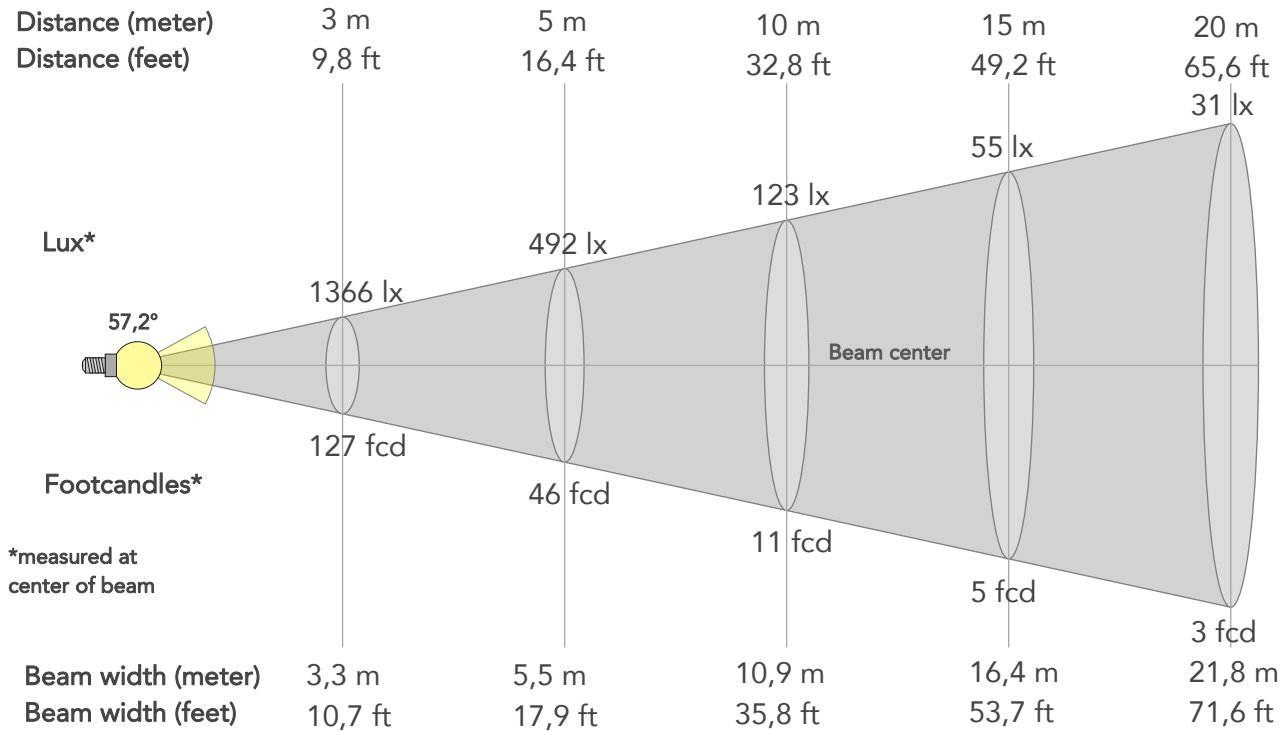
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	86	-7%	7%
3	75	-3%	13%
4	83	2%	10%
5	87	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-6%	3%
10	79	-7%	11%
11	75	1%	16%
12	80	6%	10%
13	87	10%	-2%
14	88	6%	-3%
15	80	6%	-16%
16	82	-4%	-10%



BEAM DETAILS



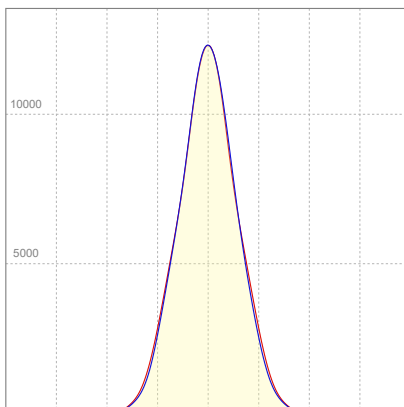
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,2°	109,3°	136,8°	95,7%	81,2%



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	12290lx	3072lx	1366lx	768lx	492lx	218lx	123lx	55lx	31lx	20lx	14lx	8lx	5lx
Footcand.	1142fcd	285fcd	127fcd	71fcd	46fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,8m	27,3m	32,7m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,8ft	35,8ft	53,7ft	71,6ft	89,5ft	107,4ft	143,2ft	179ft

LINEAR DISTRIBUTION DIAGRAM

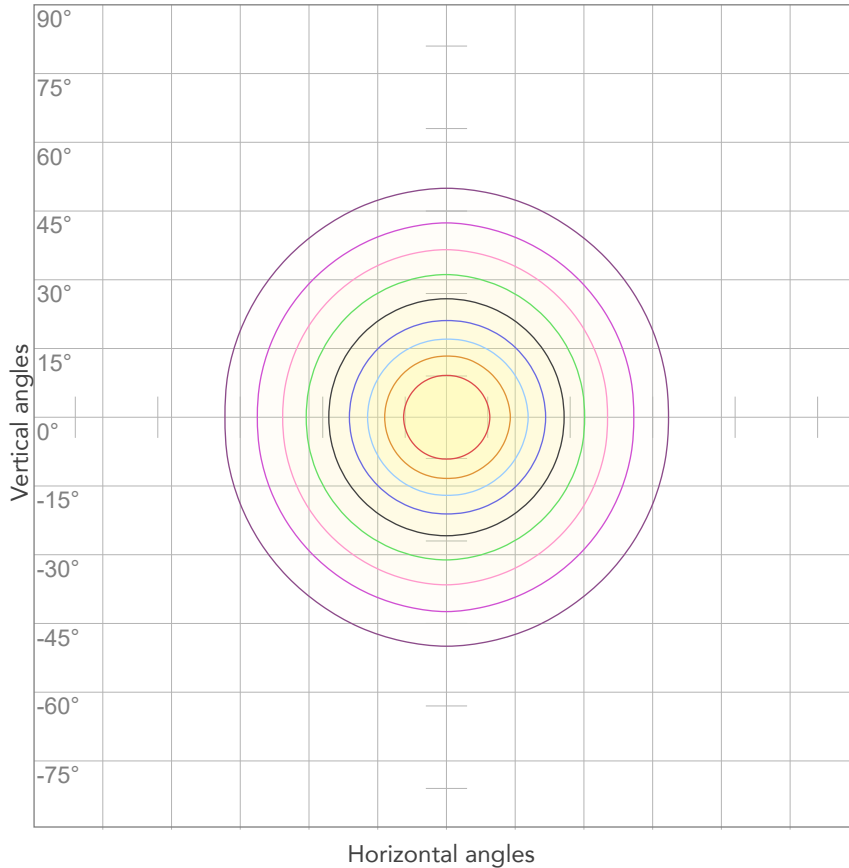


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,17A	257W	54lm/W

Power Fc
0,98

ISO CANDELA DIAGRAM



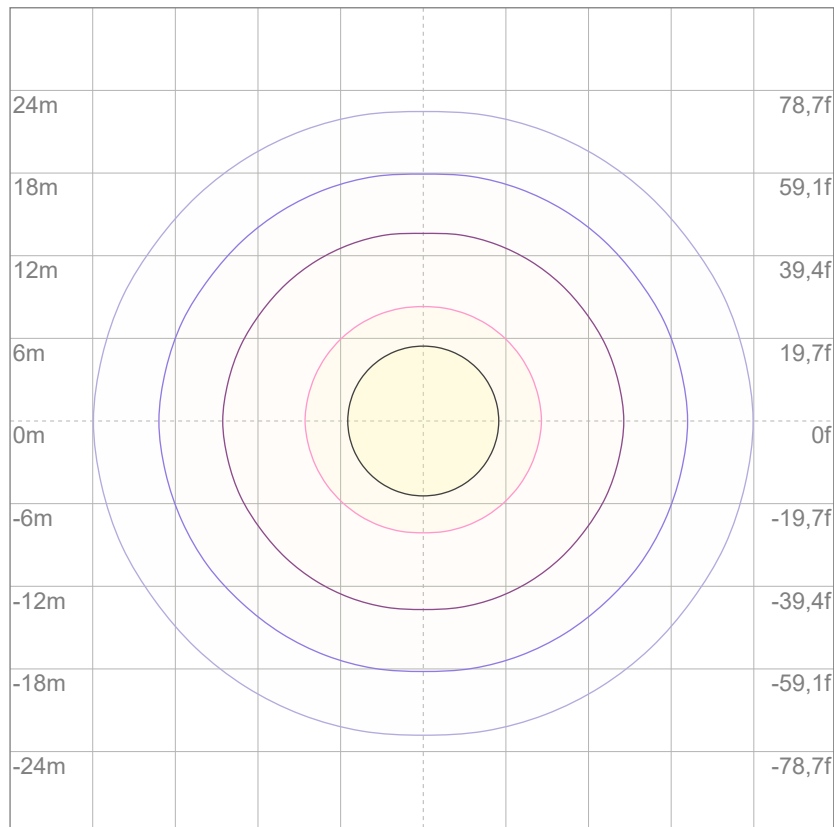
10%	1229 cd
20%	2458 cd
30%	3687 cd
40%	4916 cd
50%	6145 cd
60%	7374 cd
70%	8603 cd
80%	9832 cd

Conditions:

Number of c-planes: 4

Candela at center: 12290 cd

ISO LUX DIAGRAM



3%	3,69 lx
5%	6,14 lx
10%	12,3 lx
30%	36,9 lx
50%	61,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 123 lx

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



Total lumen output:

12534 lm

Peak candela output:

8281 cd

Light quality:

CRI: 86,2

Color temperature:

4387 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 80°

Target:

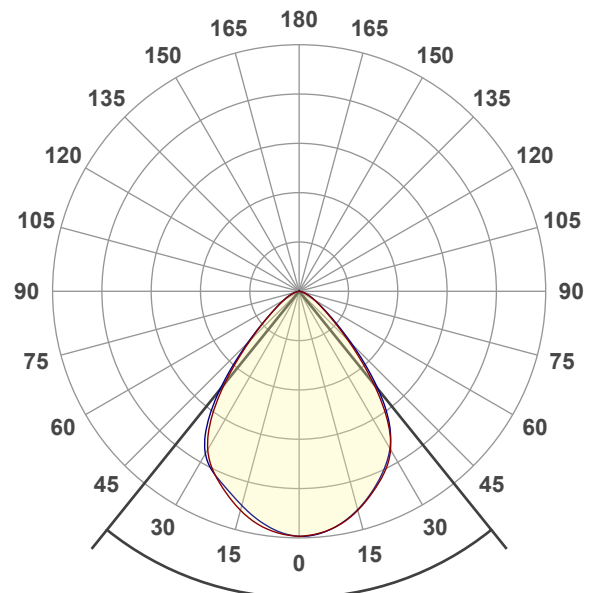
Full On

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:23:37

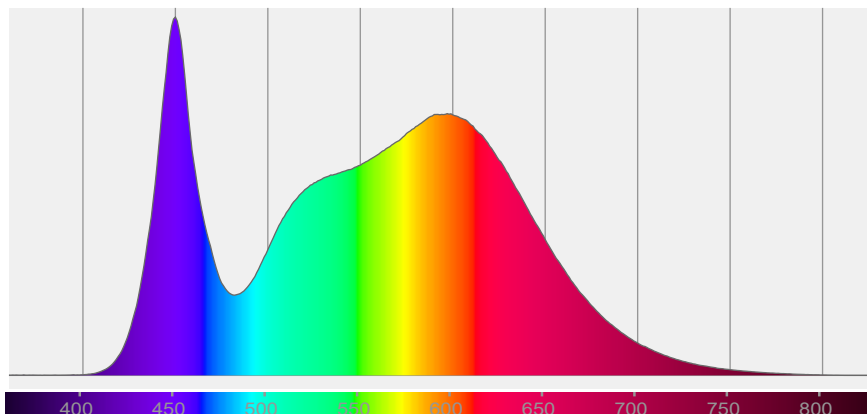


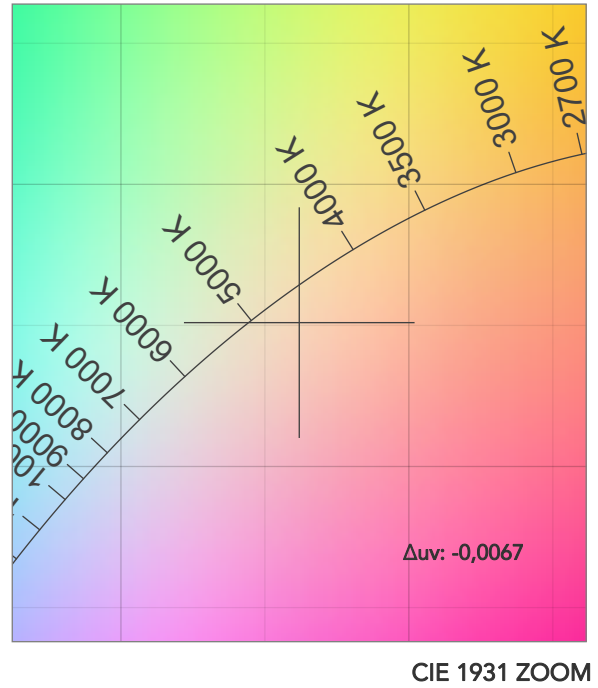
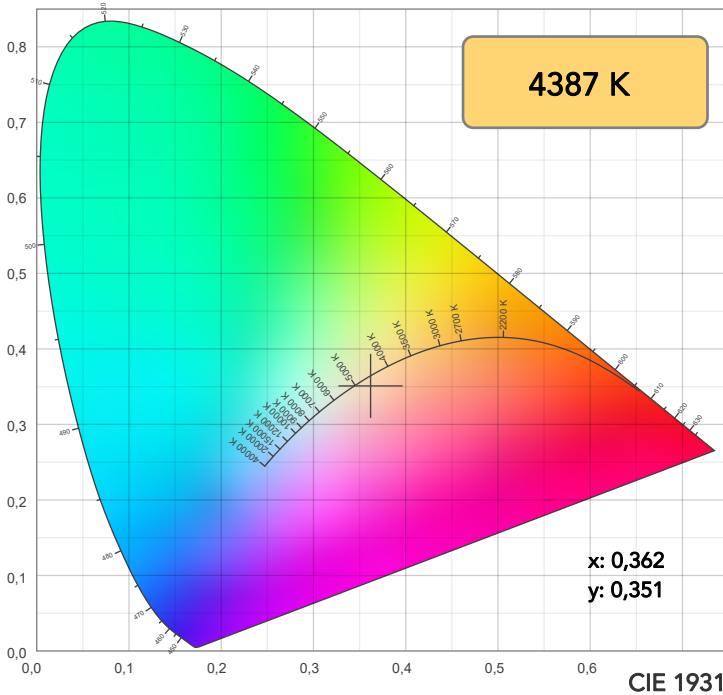
Beam angle 50%: 77,7°

Field angle 10%: 112,5°

Cut off angle 2.5%: 143,5°

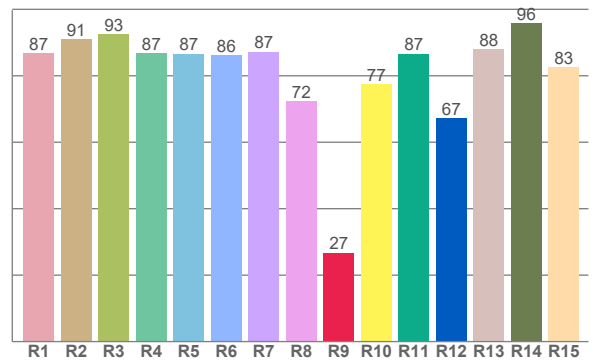
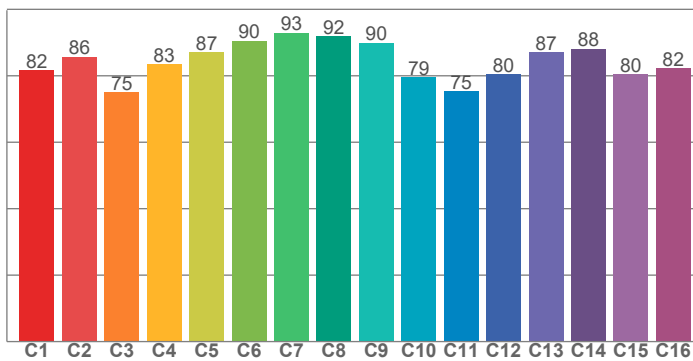
Spectra





TM30: 84,0

CRI: 86,2 (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
86,7	91,0	92,6	86,7	86,6	86,3	87,2	72,3	26,7	77,4	86,6	67,3	88,0	95,7	82,5

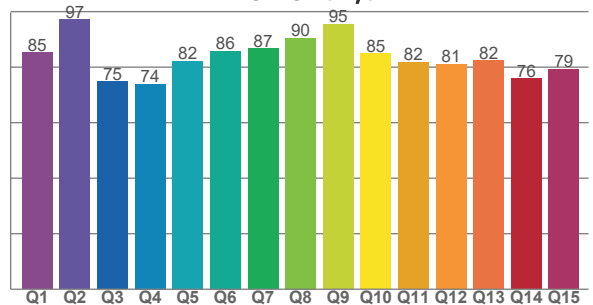
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,6	85,6	75,0	83,4	87,1	90,5	92,9	91,9	90,0	79,5	75,3	80,4	87,1	88,1	80,4	82,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,3	97,2	74,8	73,9	82,2	85,9	86,7	90,5	95,4	84,9	81,8	81,1	82,4	75,8	79,2

CQS: 82,5



COLOR PARAMETERS

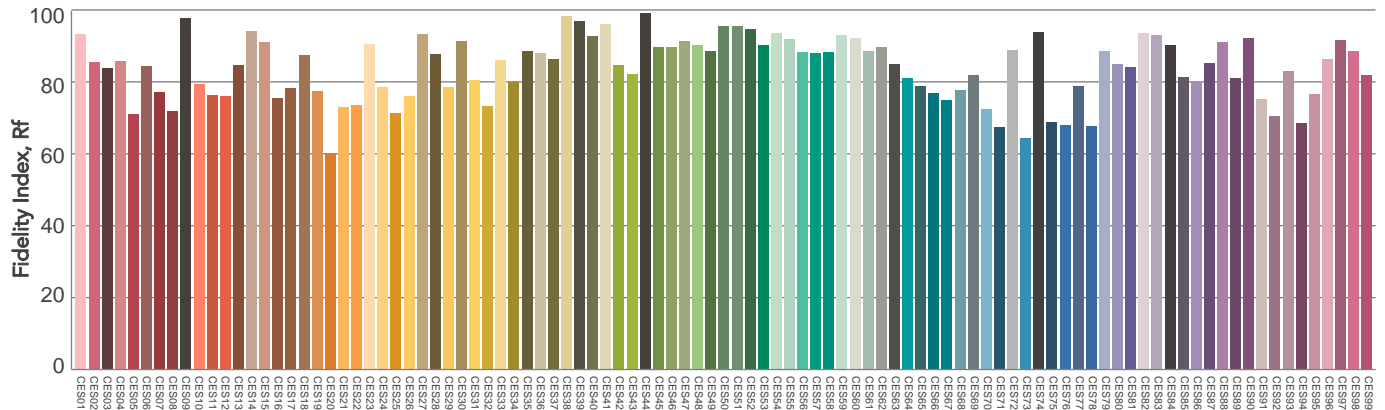
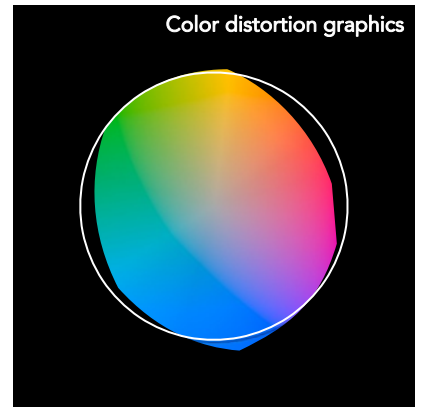
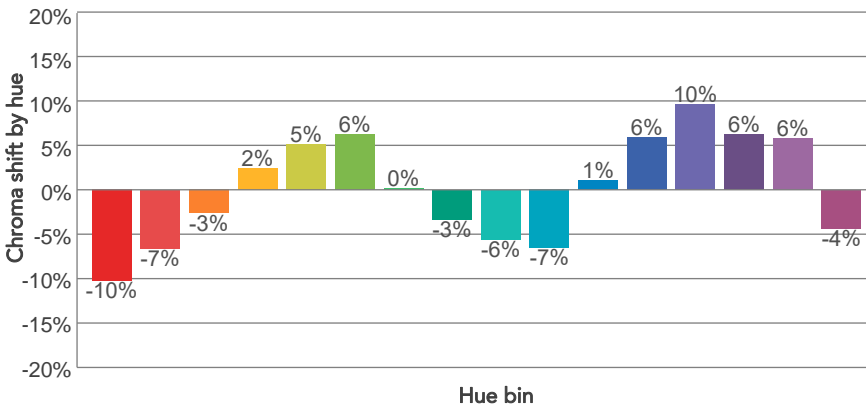
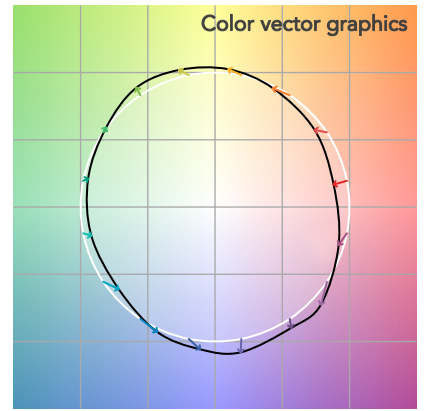
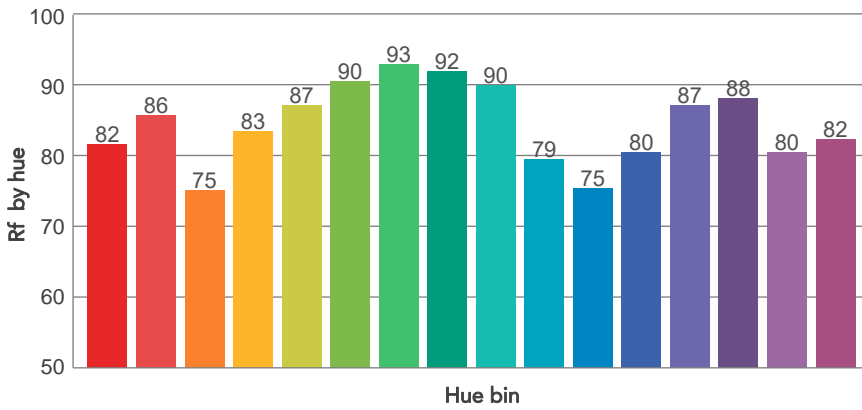
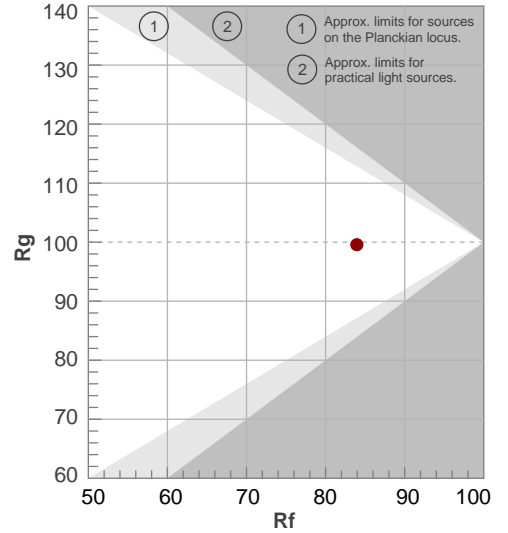
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4387 K	86,2	26,7	84,0	99,6	82,5	71	0,362	0,351	-0,0067

TM30 DETAILS

Rf 84,0
Fidelity index Rf

Rg 99,6
Gammut index

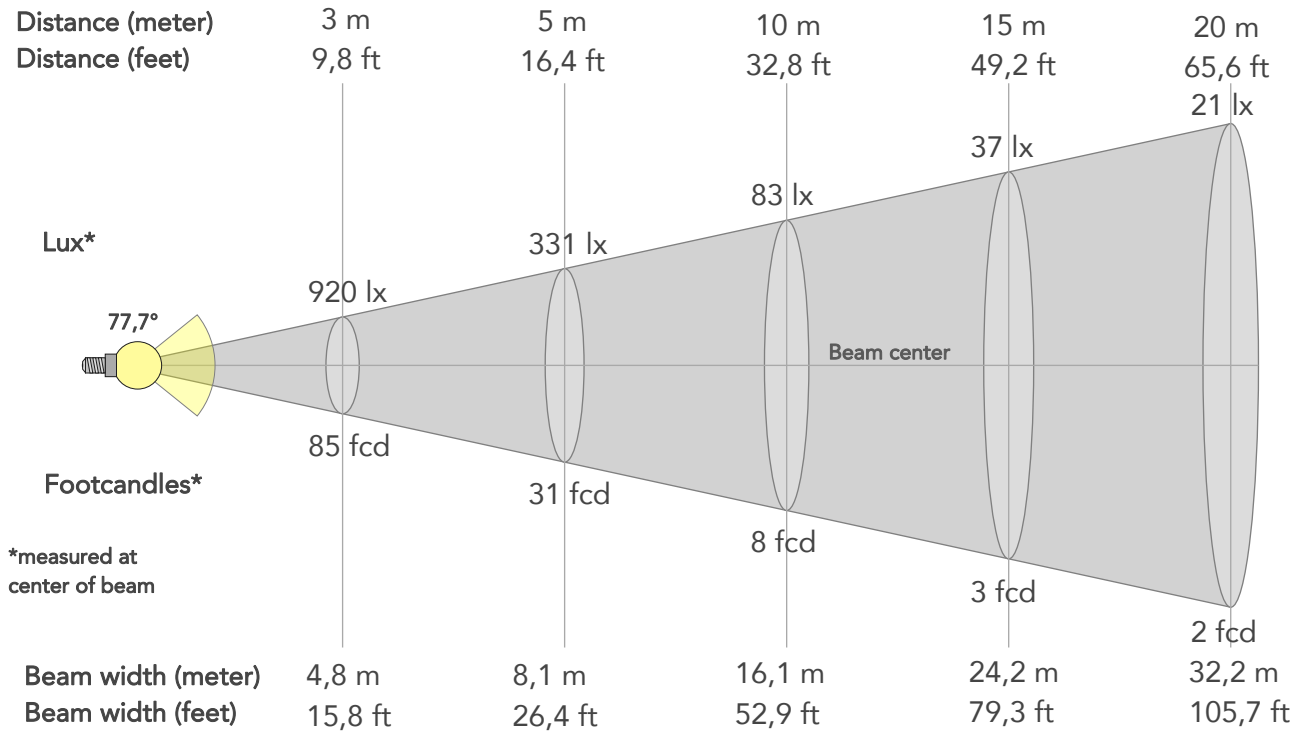
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	86	-7%	7%
3	75	-3%	13%
4	83	2%	10%
5	87	5%	6%
6	90	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-6%	3%
10	79	-7%	11%
11	75	1%	16%
12	80	6%	10%
13	87	10%	-2%
14	88	6%	-3%
15	80	6%	-16%
16	82	-4%	-10%



BEAM DETAILS



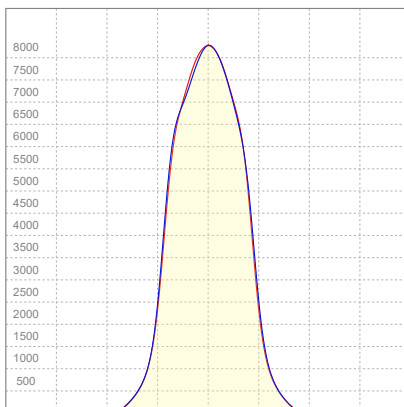
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,7°	112,5°	143,5°	95,5%	82,6%



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	8276lx	2069lx	920lx	517lx	331lx	147lx	83lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	769fcd	192fcd	85fcd	48fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8,1m	12,1m	16,1m	24,2m	32,2m	40,3m	48,3m	64,5m	80,6m
Beam wid.	5,3ft	10,6ft	15,8ft	21,1ft	26,4ft	39,6ft	52,9ft	79,3ft	105,7ft	132,1ft	158,6ft	211,4ft	264,3ft

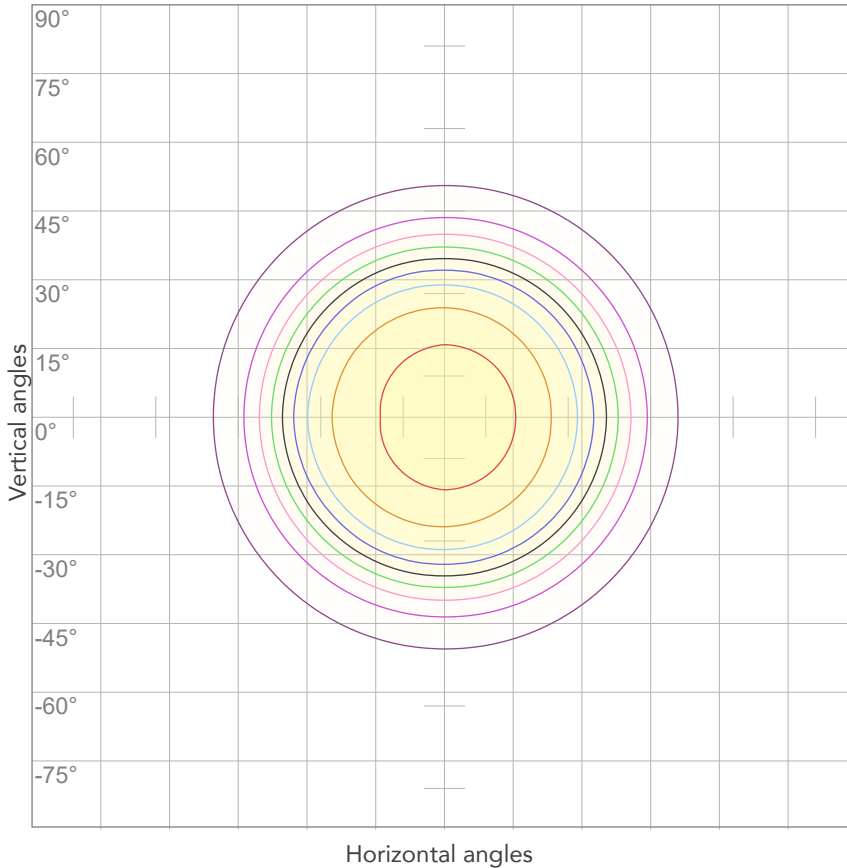
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,17A	257,9W	49lm/W
Power Fc			
0,98			

ISO CANDELA DIAGRAM



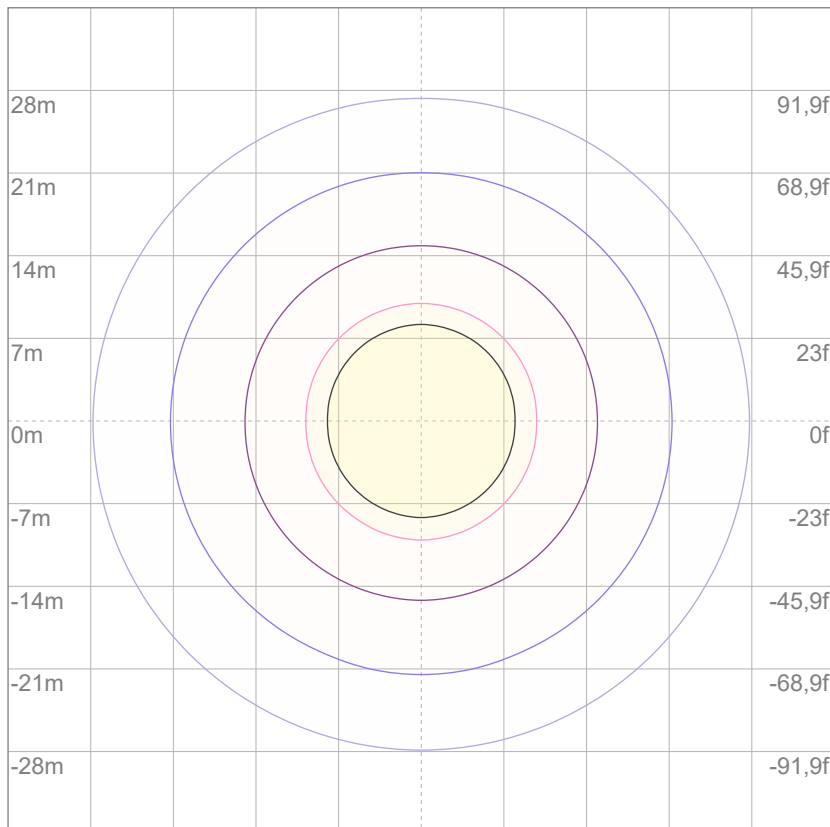
10%	828 cd
20%	1655 cd
30%	2483 cd
40%	3310 cd
50%	4138 cd
60%	4966 cd
70%	5793 cd
80%	6621 cd

Conditions:

Number of c-planes: 4

Candela at center: 8276 cd

ISO LUX DIAGRAM



3%	2,48 lx
5%	4,14 lx
10%	8,28 lx
30%	24,8 lx
50%	41,4 lx

Conditions:

Number of c-planes: 4

Lux at center: 82,8 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

26122 lm

Peak candela output:

49744 cd

Light quality:

CRI: 86,5

Color temperature:

4392 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 10°x60°

Target:

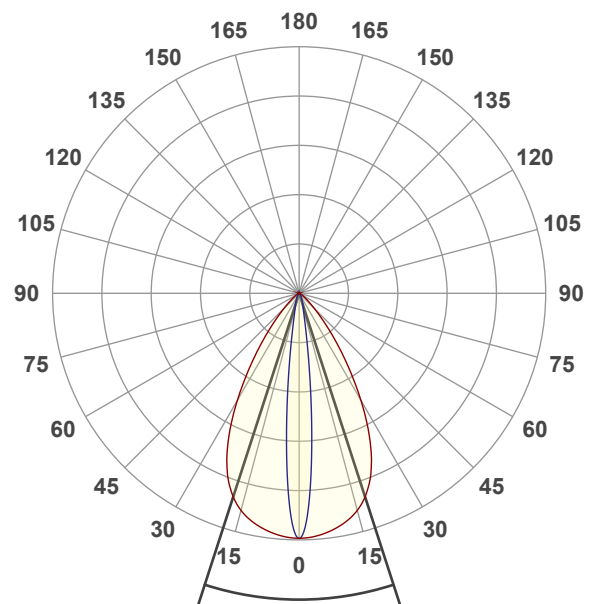
Full on

Operator:

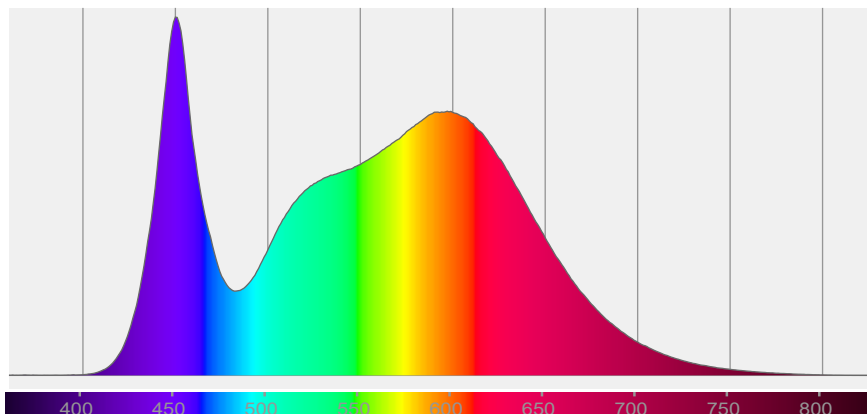
Nicola Savarese

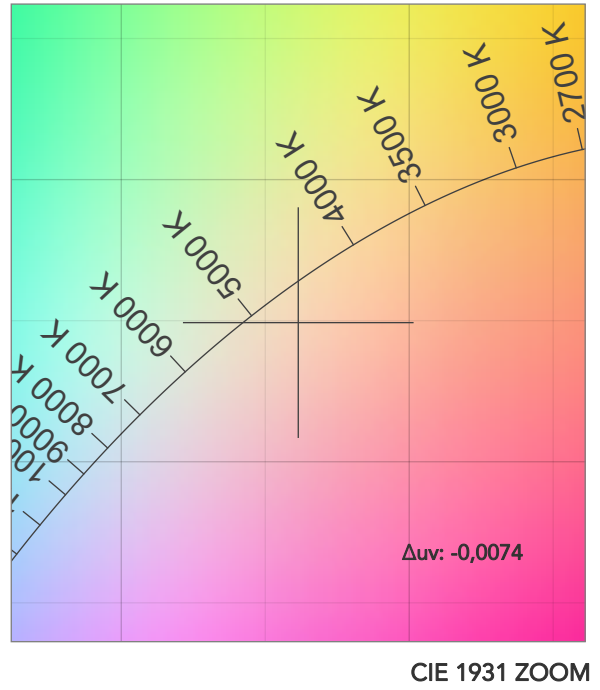
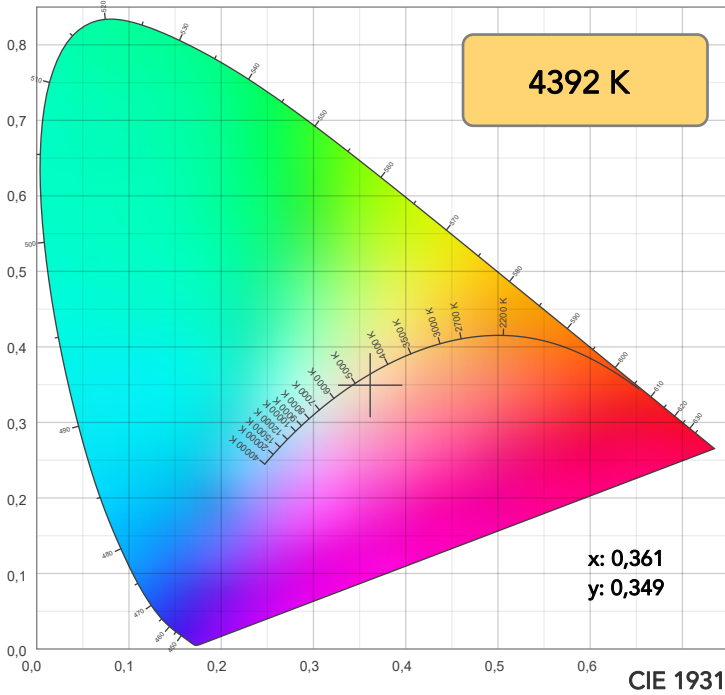
Date and time:

15/07/2022 16:45:15



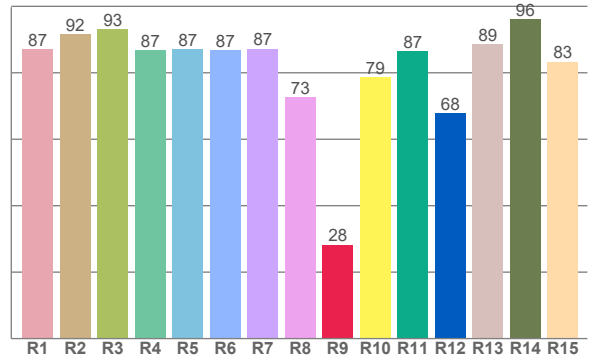
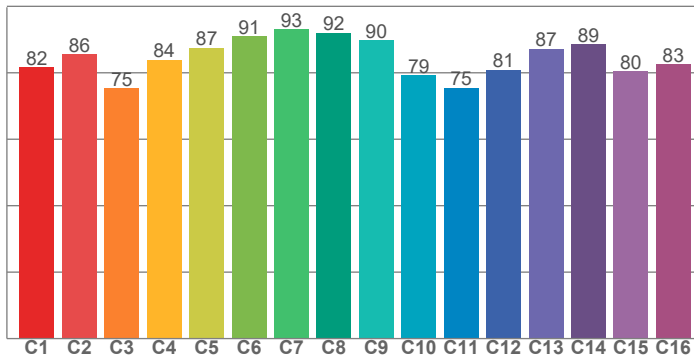
Spectra





TM30: 84,1

CRI: 86,5 (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
87,2	91,7	93,0	86,8	87,0	86,7	87,2	72,6	28,2	78,6	86,6	67,8	88,6	96,0	83,3

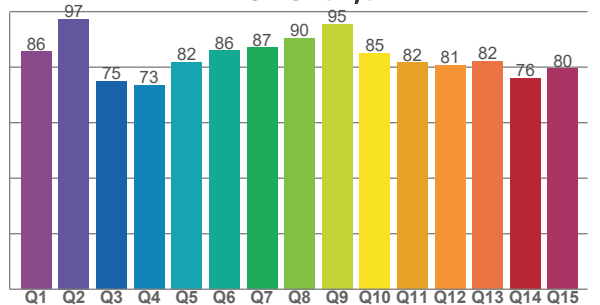
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,7	85,6	75,4	83,9	87,5	91,0	93,1	92,0	89,8	79,2	75,5	80,9	87,2	88,5	80,5	82,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,5	97,3	74,9	73,5	81,8	85,9	87,0	90,5	95,5	85,1	81,6	80,8	82,1	76,2	79,5

CQS: 82,5



COLOR PARAMETERS

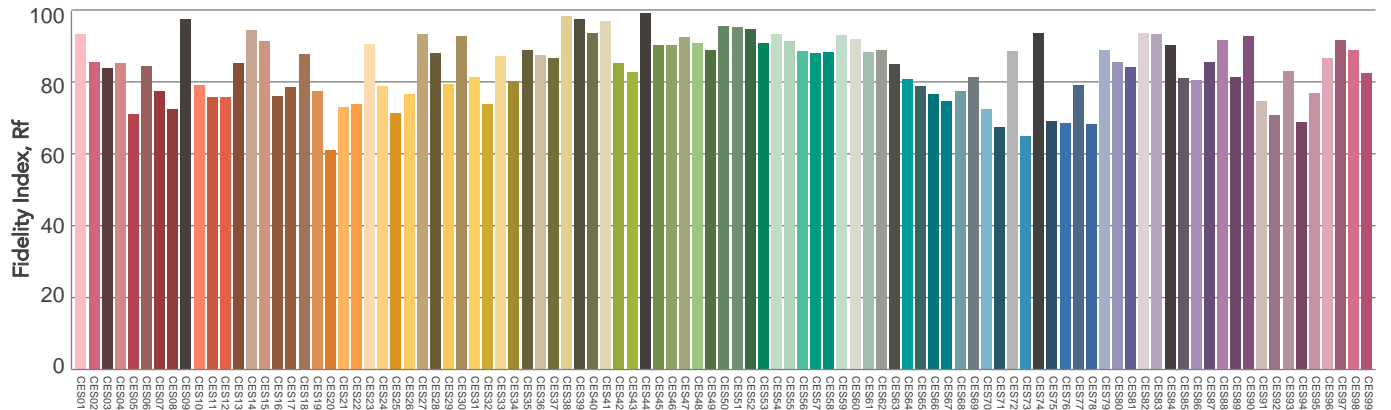
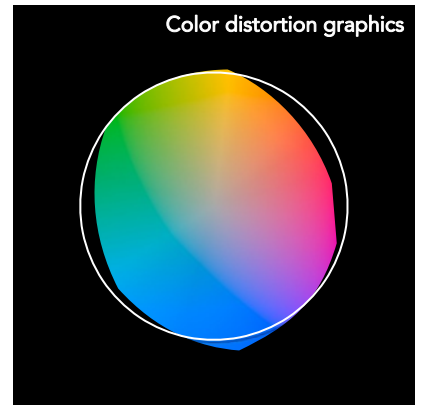
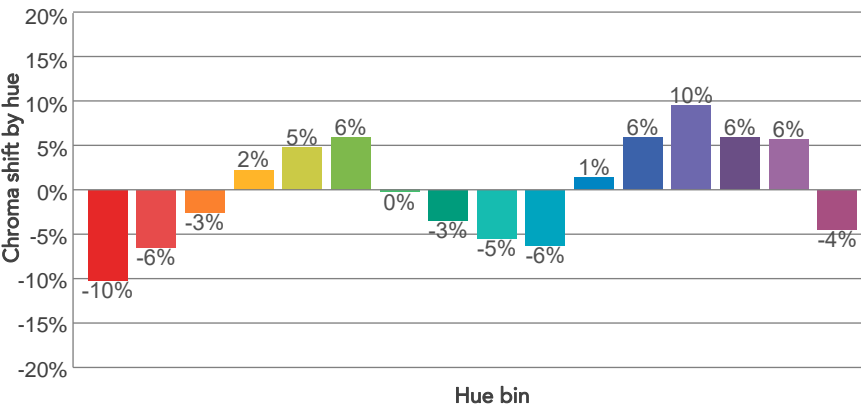
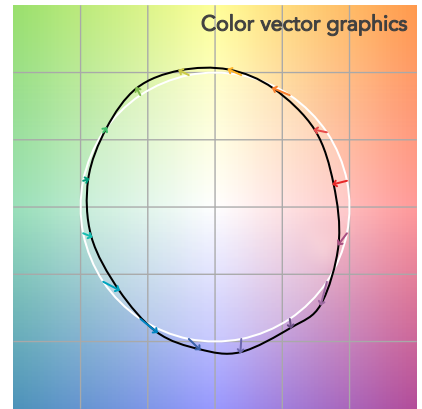
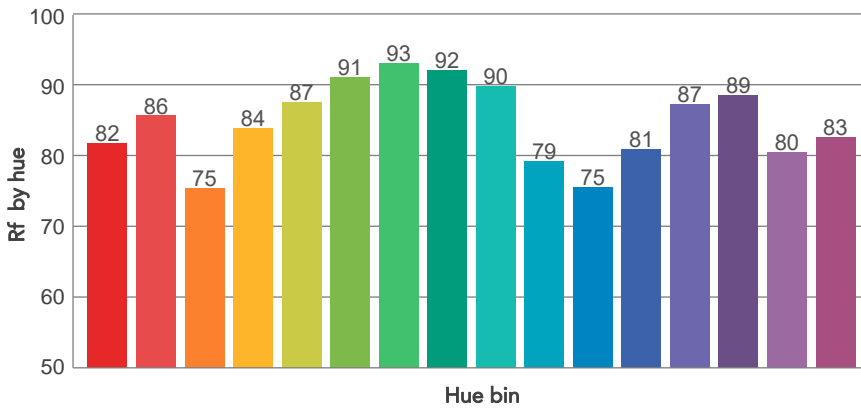
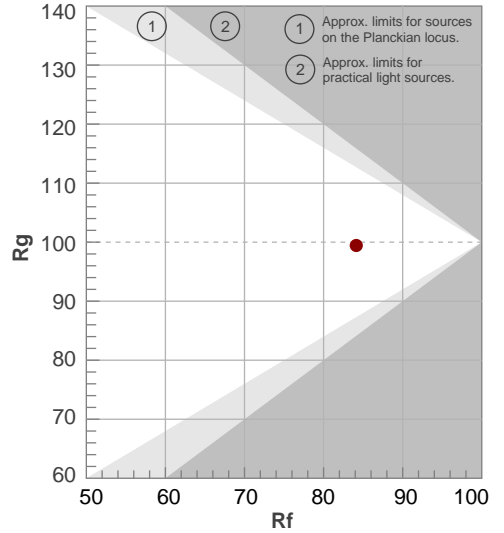
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4392 K	86,5	28,2	84,1	99,4	82,5	72	0,361	0,349	-0,0074

TM30 DETAILS

Rf 84,1
Fidelity index Rf

Rg 99,4
Gammut index

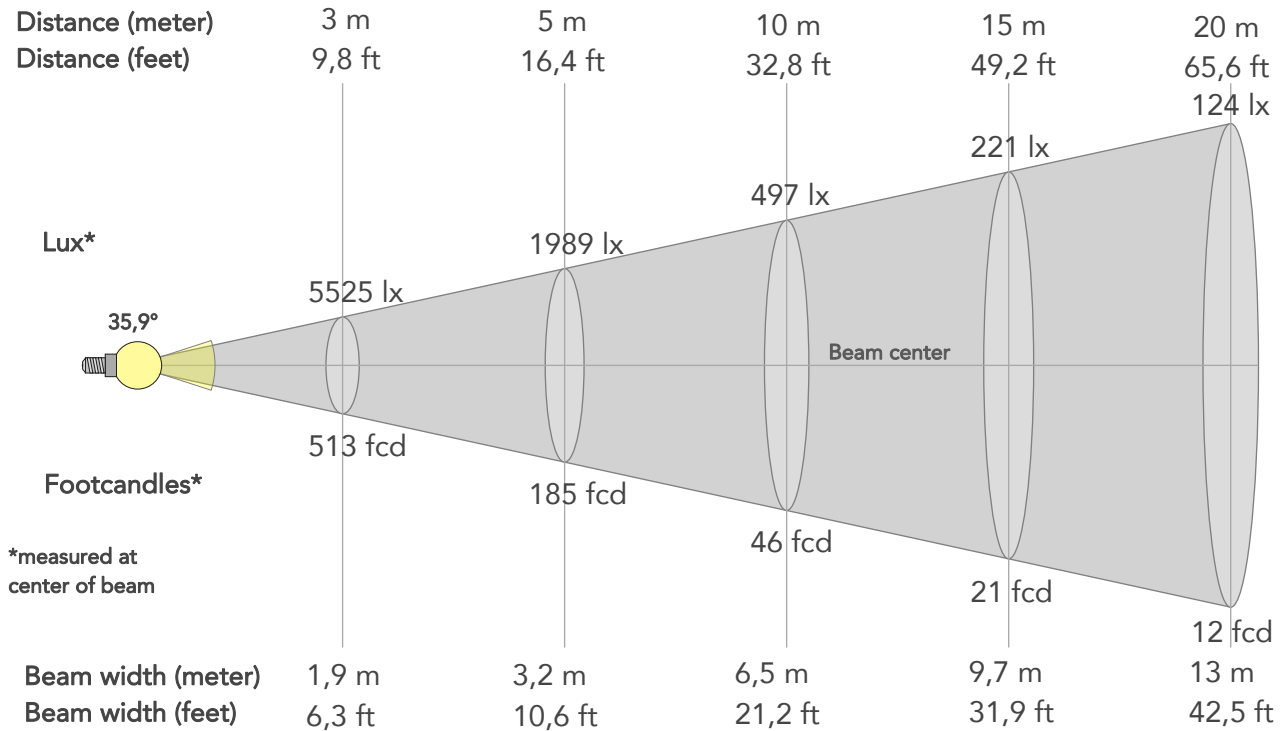
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	86	-6%	7%
3	75	-3%	13%
4	84	2%	10%
5	87	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-5%	4%
10	79	-6%	11%
11	75	1%	16%
12	81	6%	9%
13	87	10%	-3%
14	89	6%	-3%
15	80	6%	-16%
16	83	-4%	-9%



BEAM DETAILS



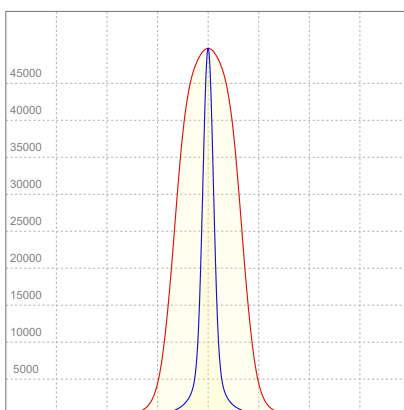
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,9°	56,3°	79°	99,1%	94,3%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	49724lx	12431lx	5525lx	3108lx	1989lx	884lx	497lx	221lx	124lx	80lx	55lx	31lx	20lx
Footcand.	4620fcd	1155fcd	513fcd	289fcd	185fcd	82fcd	46fcd	21fcd	12fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,6m	1,3m	1,9m	2,6m	3,2m	4,9m	6,5m	9,7m	13m	16,2m	19,4m	25,9m	32,4m
Beam wid.	2,1ft	4,3ft	6,3ft	8,5ft	10,6ft	15,9ft	21,2ft	31,9ft	42,5ft	53,1ft	63,7ft	85ft	106,2ft

LINEAR DISTRIBUTION DIAGRAM

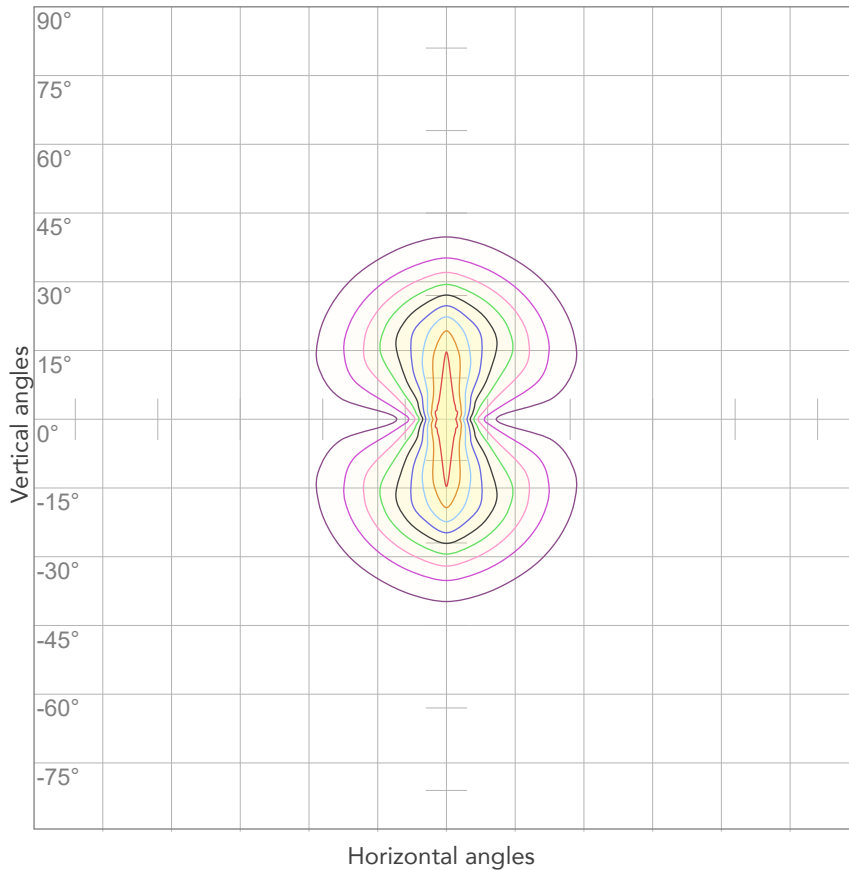


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,16A	255,3W	102lm/W

Power Fc
0,98

ISO CANDELA DIAGRAM



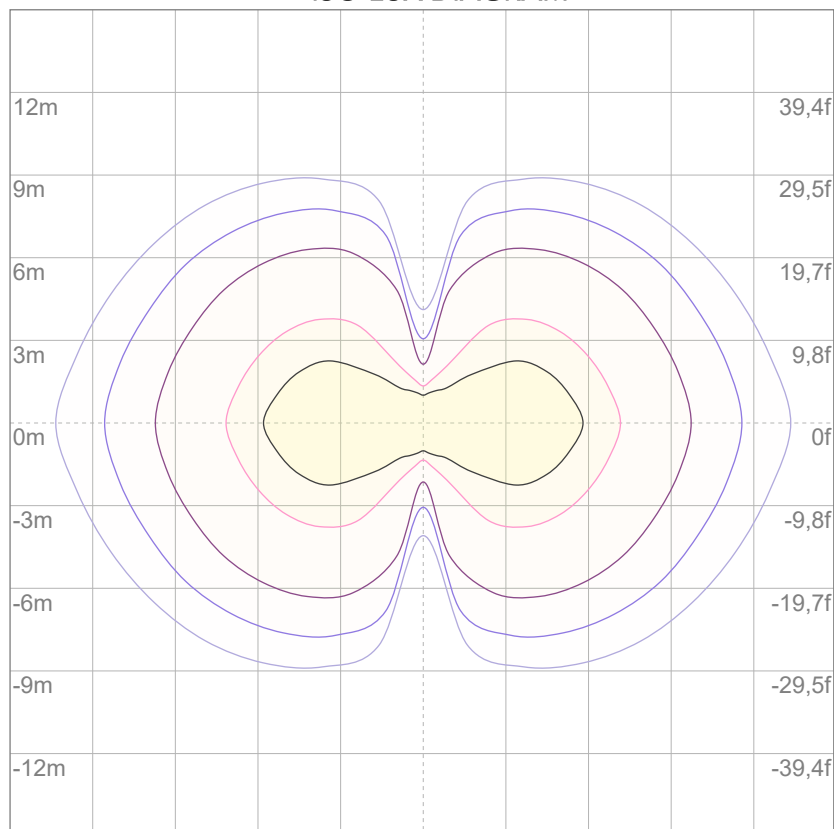
10%	4972 cd
20%	9945 cd
30%	14917 cd
40%	19890 cd
50%	24862 cd
60%	29834 cd
70%	34807 cd
80%	39779 cd

Conditions:

Number of c-planes: 4

Candela at center: 49724 cd

ISO LUX DIAGRAM



3%	14,9 lx
5%	24,9 lx
10%	49,7 lx
30%	149 lx
50%	249 lx

Conditions:

Number of c-planes: 4

Lux at center: 497 lx

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



Total lumen output:

16195 lm

Peak candela output:

24071 cd

Light quality:

CRI: 86,0

Color temperature:

4355 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°x60°

Target:

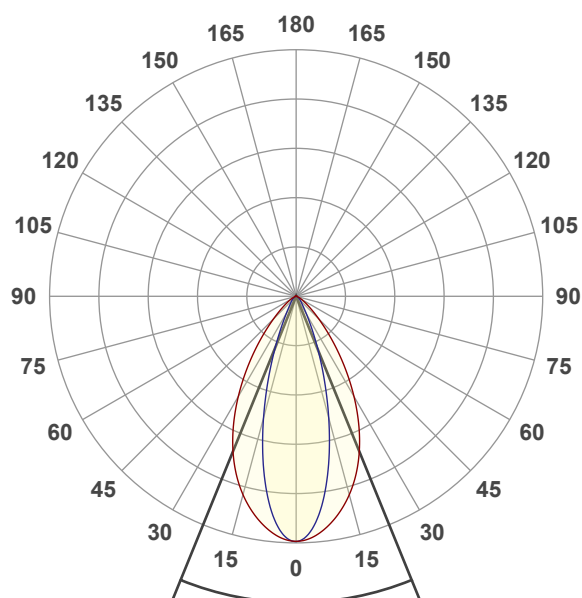
Full on

Operator:

Nicola Savarese

Date and time:

18/07/2022 09:20:46

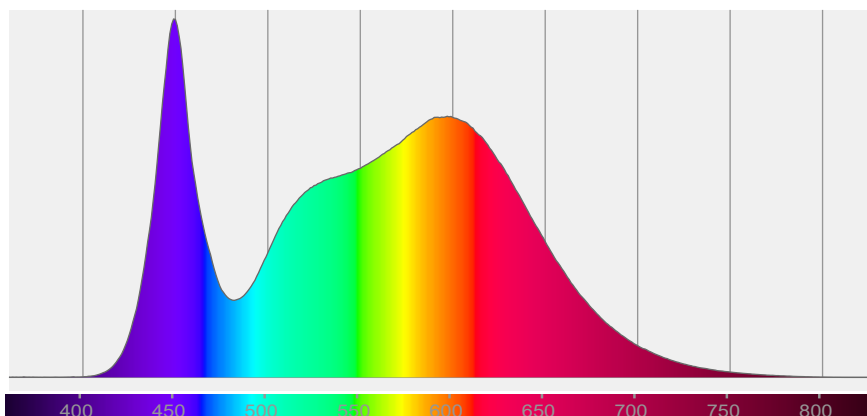


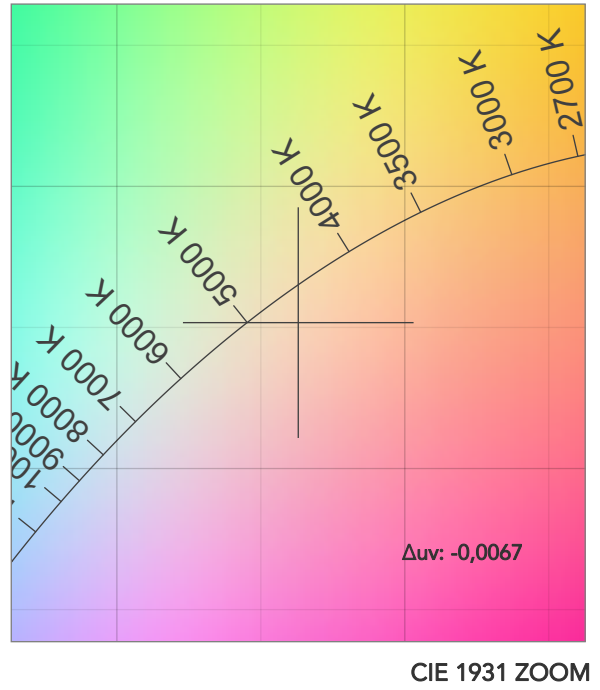
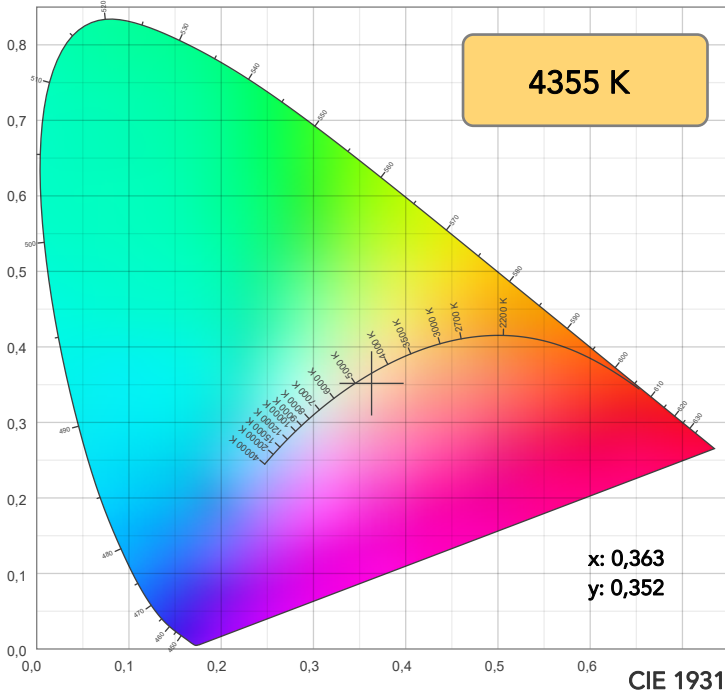
Beam angle 50%: 44,3°

Field angle 10%: 75,9°

Cut off angle 2.5%: 105,1°

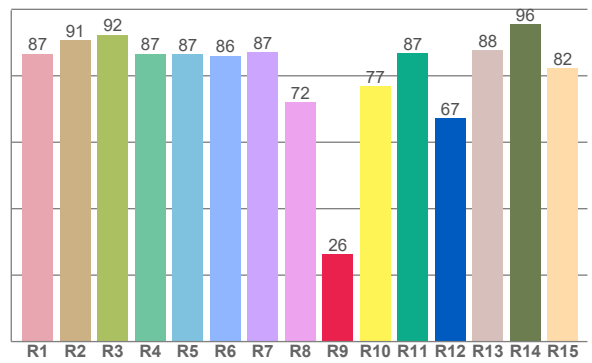
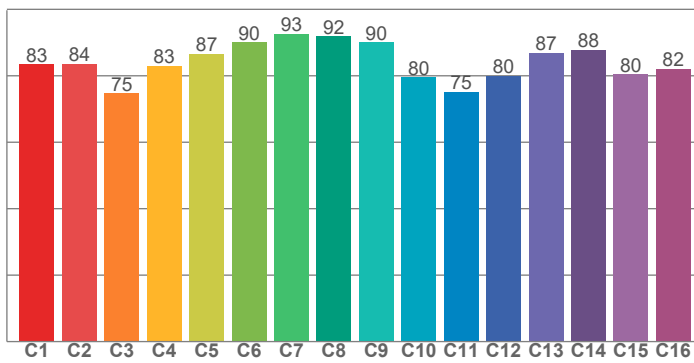
Spectra





TM30: 83,8

CRI: 86,0 (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
86,6	90,8	92,3	86,7	86,5	86,0	87,1	72,1	26,3	76,8	86,7	67,3	87,8	95,6	82,3

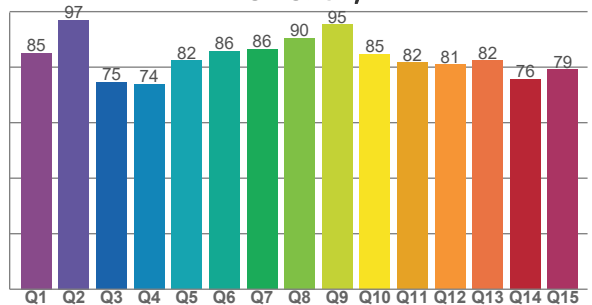
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,4	83,5	74,7	83,0	86,7	90,0	92,7	91,8	90,1	79,6	75,1	80,0	87,0	87,9	80,4	82,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,1	97,0	74,6	74,0	82,3	85,8	86,4	90,4	95,3	84,7	81,6	81,0	82,3	75,7	79,1

CQS: 82,4



COLOR PARAMETERS

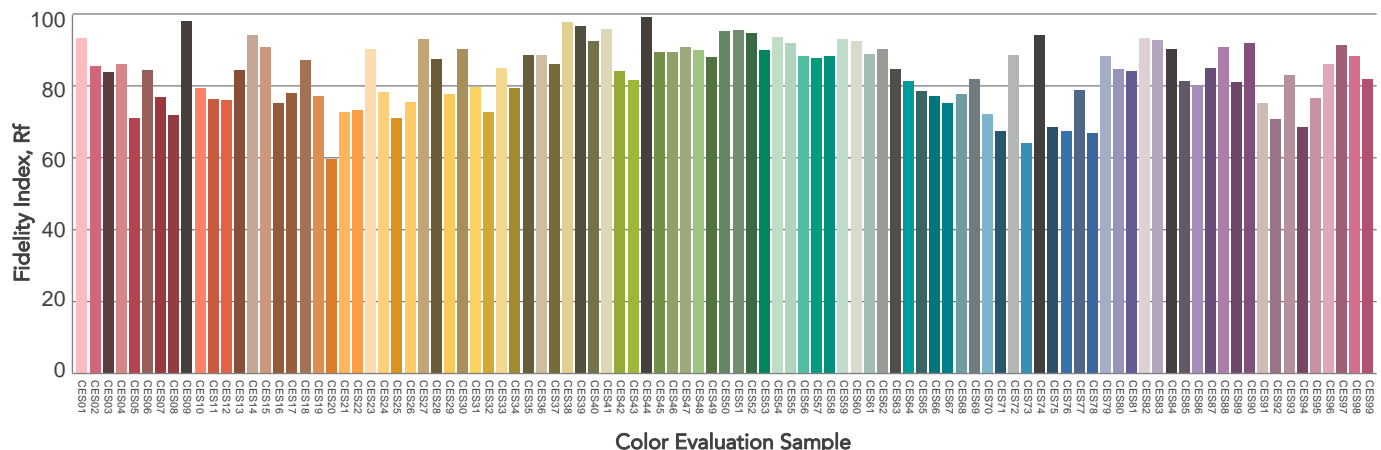
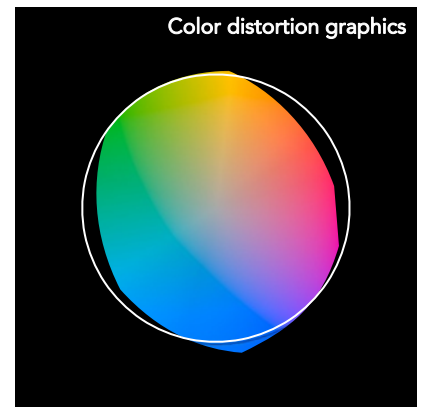
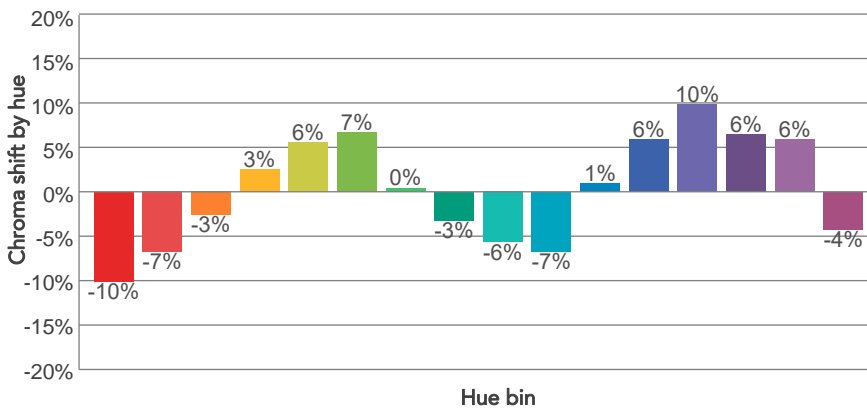
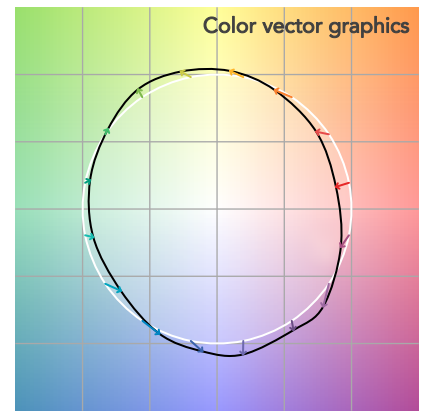
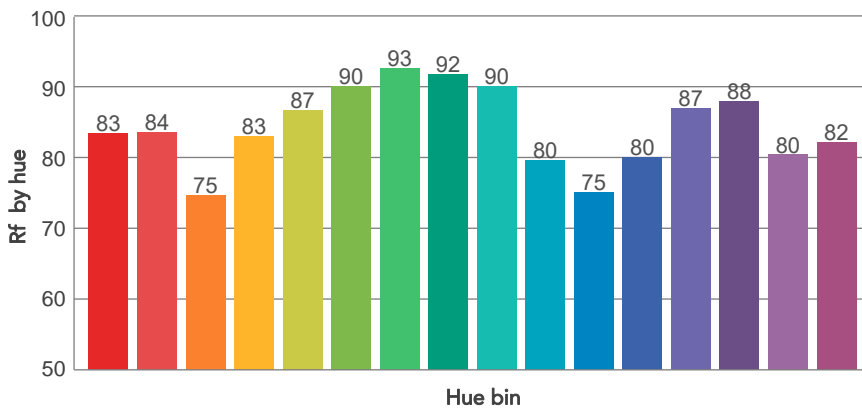
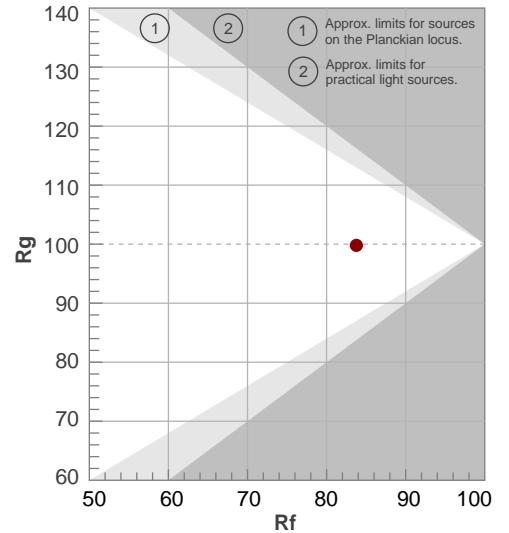
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4355 K	86,0	26,3	83,8	99,8	82,4	70	0,363	0,352	-0,0067

TM30 DETAILS

Rf 83,8
Fidelity index Rf

Rg 99,8
Gammut index

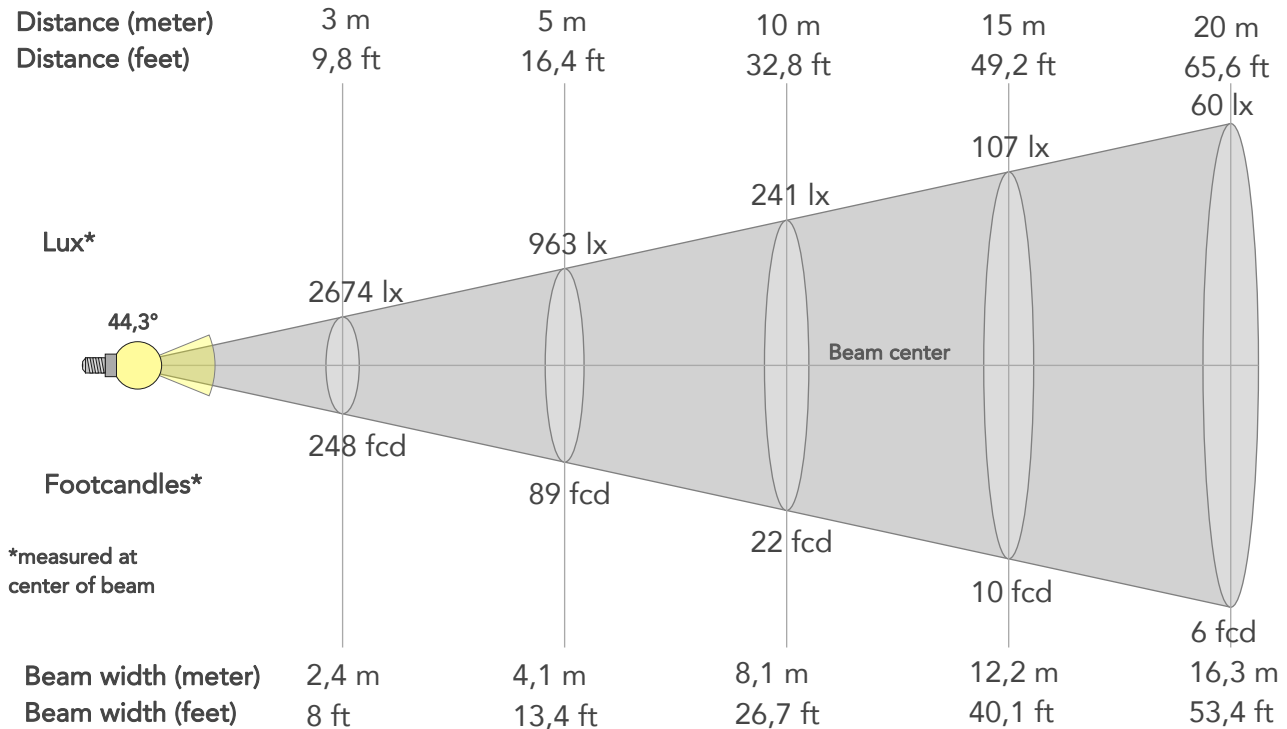
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	75	-3%	13%
4	83	3%	11%
5	87	6%	7%
6	90	7%	-1%
7	93	0%	-4%
8	92	-3%	-3%
9	90	-6%	3%
10	80	-7%	11%
11	75	1%	16%
12	80	6%	10%
13	87	10%	-2%
14	88	6%	-3%
15	80	6%	-16%
16	82	-4%	-10%



BEAM DETAILS



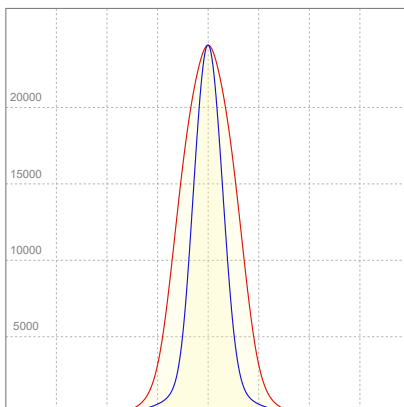
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	75,9°	105,1°	98,0%	90,3%



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	24065lx	6016lx	2674lx	1504lx	963lx	428lx	241lx	107lx	60lx	39lx	27lx	15lx	10lx
Footcand.	2236fcd	559fcd	248fcd	140fcd	89fcd	40fcd	22fcd	10fcd	6fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,4m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20ft	26,7ft	40,1ft	53,4ft	66,8ft	80,1ft	106,9ft	133,6ft

LINEAR DISTRIBUTION DIAGRAM

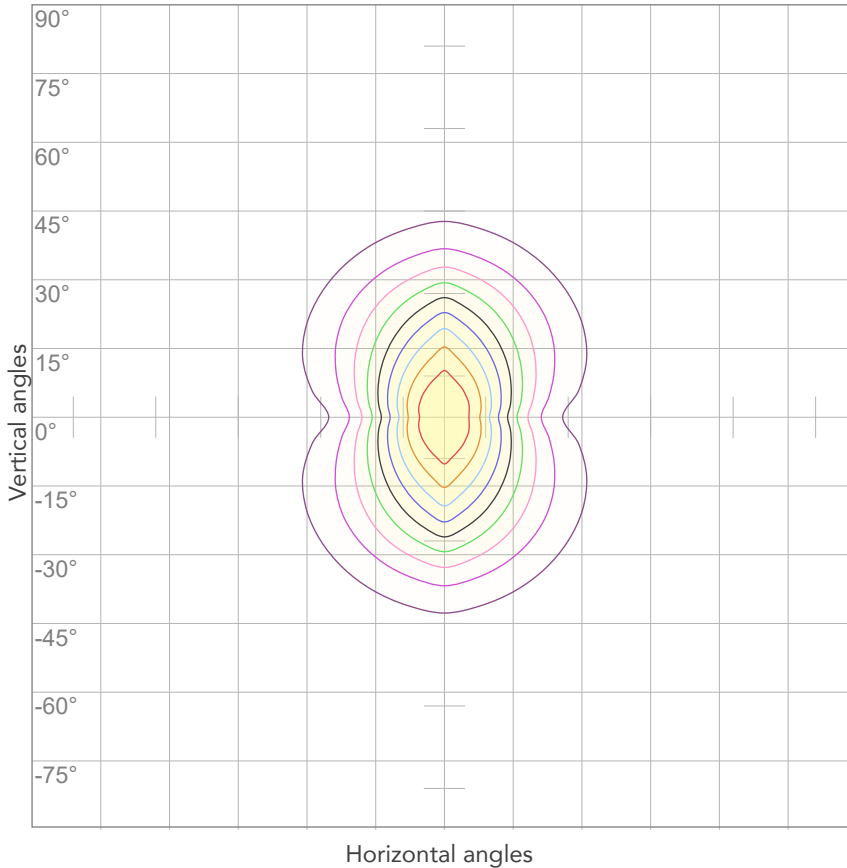


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	1,20A	261,1W	62lm/W

Power Fc
0,98

ISO CANDELA DIAGRAM



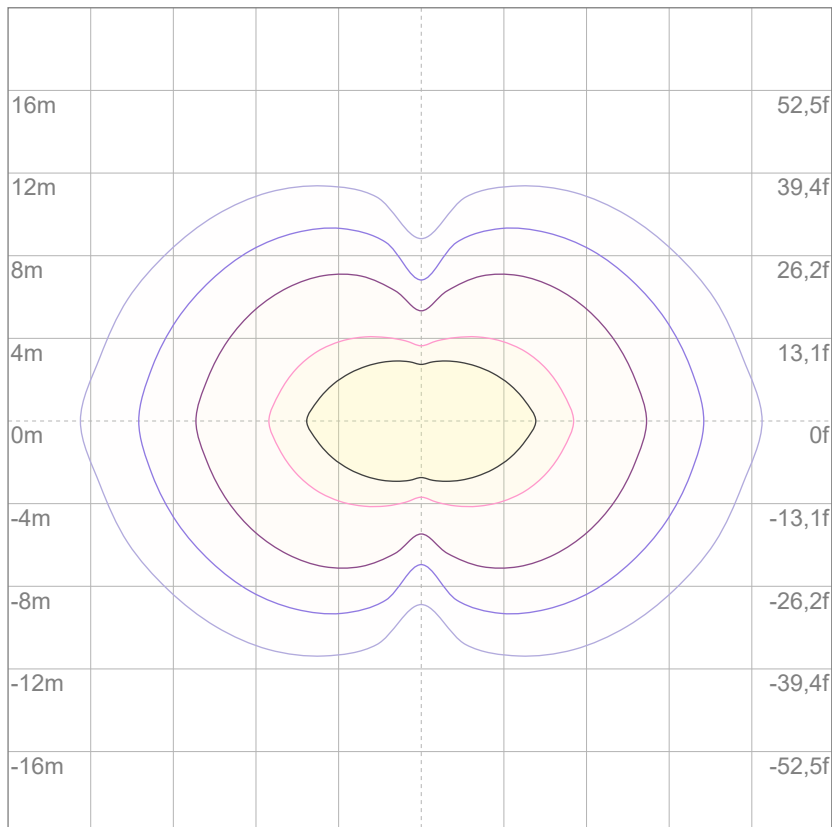
10%	2407 cd
20%	4813 cd
30%	7220 cd
40%	9626 cd
50%	12033 cd
60%	14439 cd
70%	16846 cd
80%	19252 cd

Conditions:

Number of c-planes: 4

Candela at center: 24065 cd

ISO LUX DIAGRAM



3%	7,22 lx
5%	12,0 lx
10%	24,1 lx
30%	72,2 lx
50%	120 lx

Conditions:

Number of c-planes: 4

Lux at center: 241 lx

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



Total lumen output:

7138 lm

Peak candela output:

151329 cd

Light quality:

CRI: 81,9

Color temperature:

2732 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

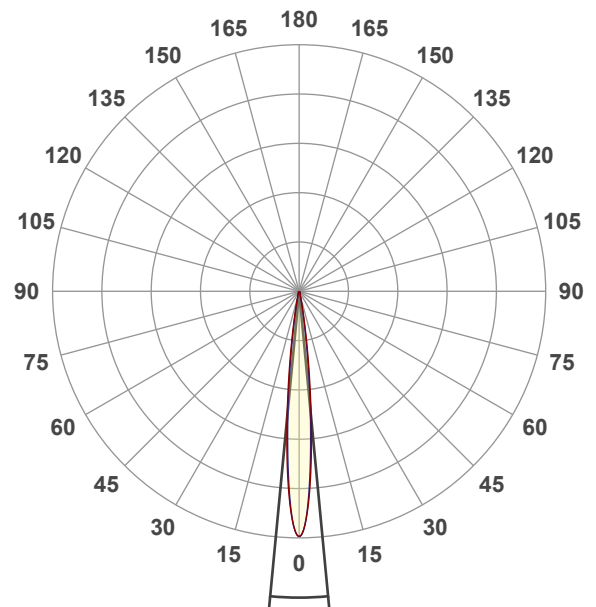
Warm White

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:15:51

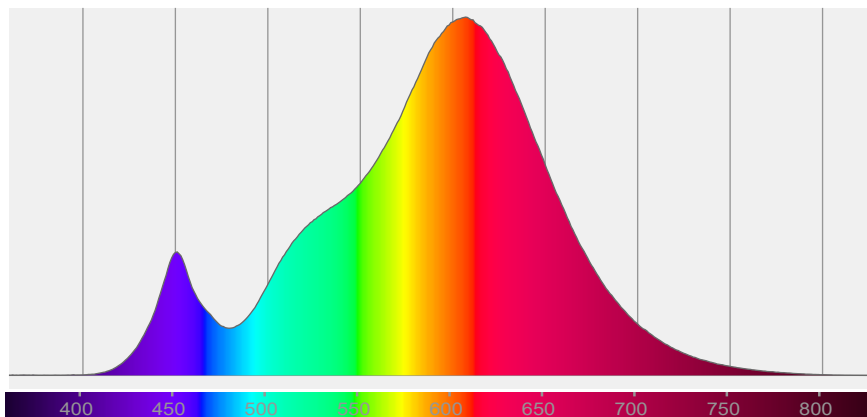


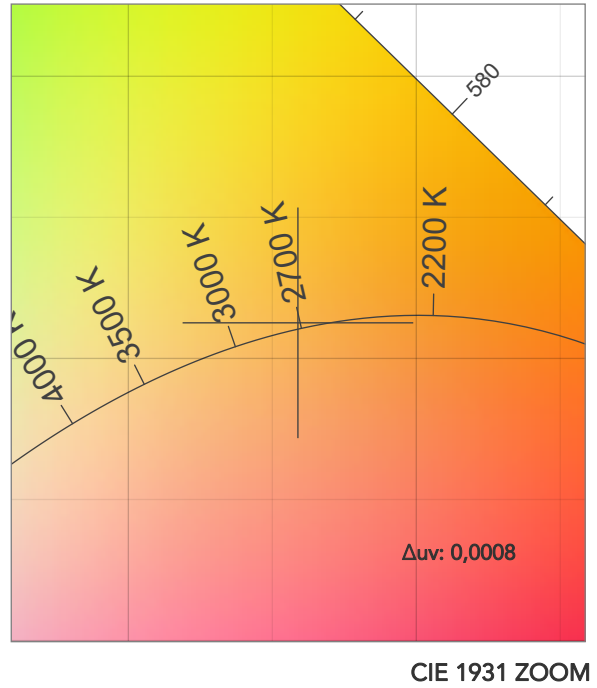
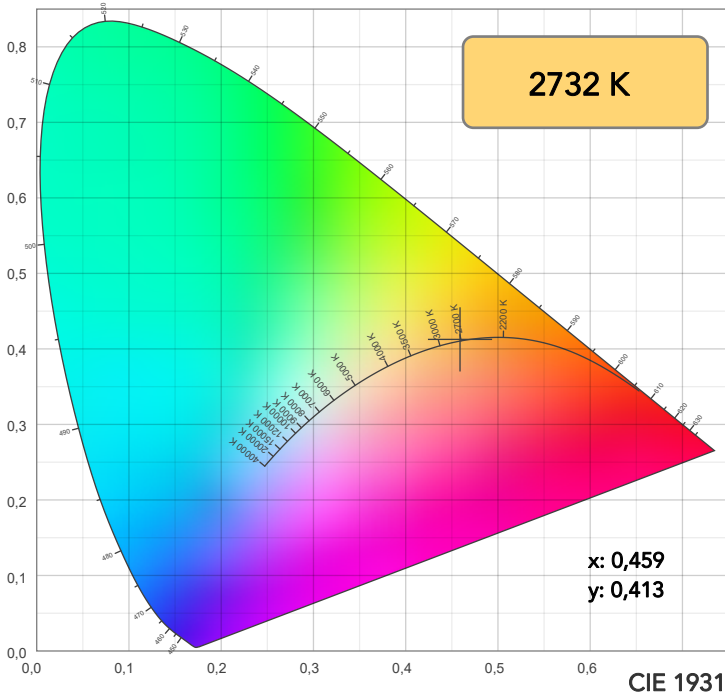
Beam angle 50%: 10,8°

Field angle 10%: 20°

Cut off angle 2.5%: 27,6°

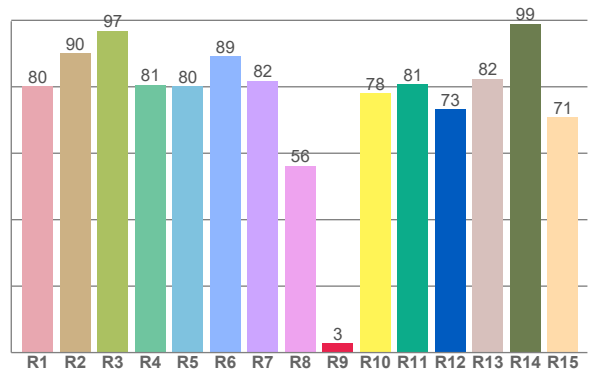
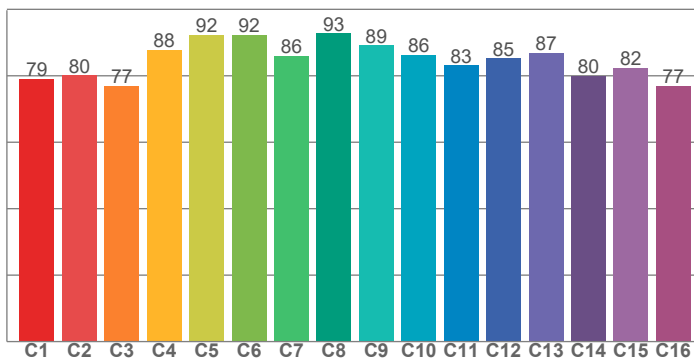
Spectra





TM30: 84,6

CRI: 81,9 (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
80,1	90,2	96,9	80,6	80,1	89,1	81,8	56,2	2,8	78,1	80,7	73,1	82,4	99,0	70,9

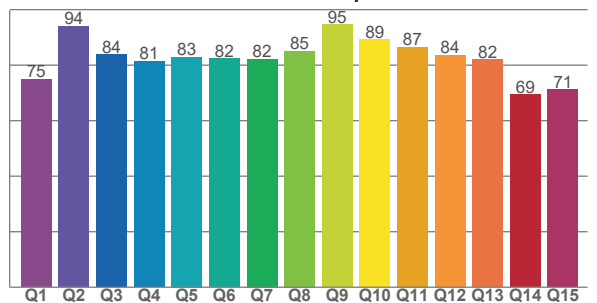
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79,1	80,2	77,0	87,9	92,3	92,4	86,0	92,8	89,1	86,2	83,2	85,2	86,9	80,0	82,3	76,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,9	94,0	83,8	81,4	82,9	82,4	82,2	85,1	94,6	89,1	86,6	83,7	82,0	69,4	71,2

CQS: 81,4



COLOR PARAMETERS

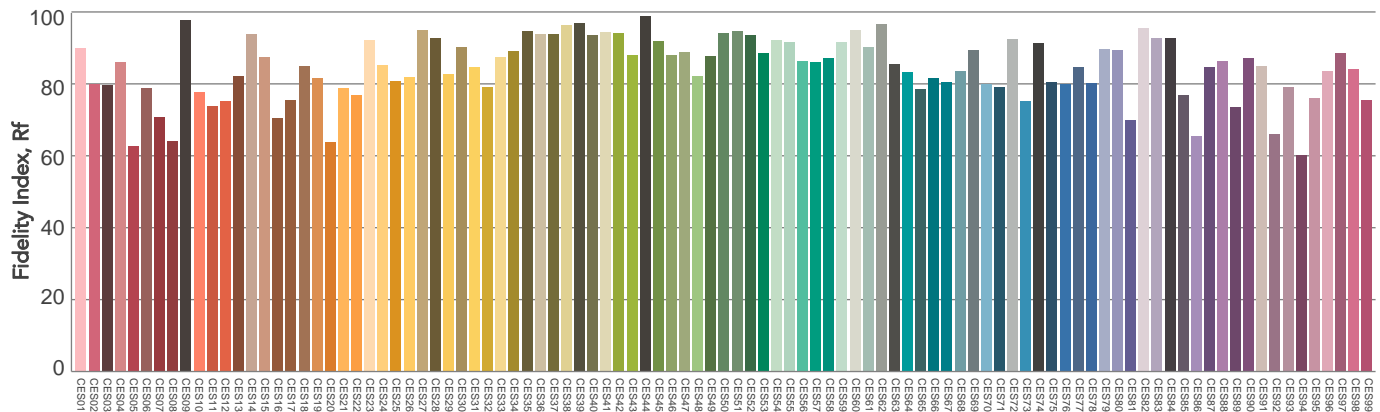
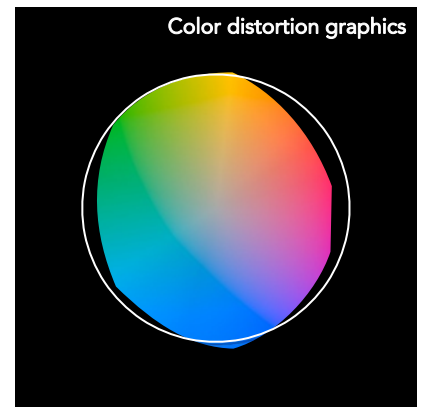
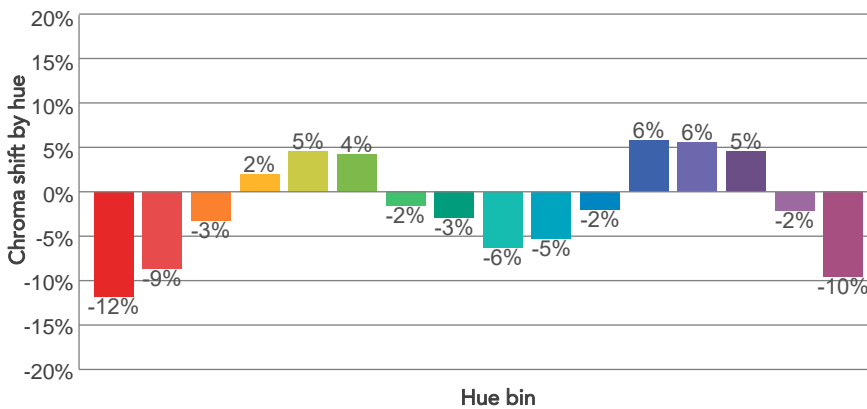
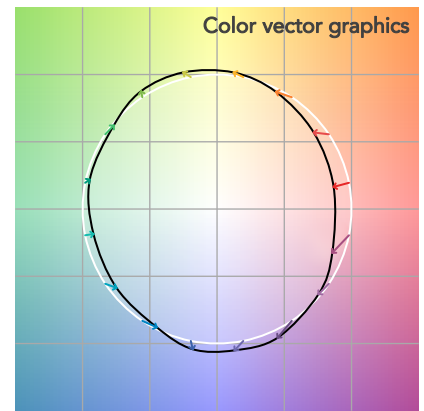
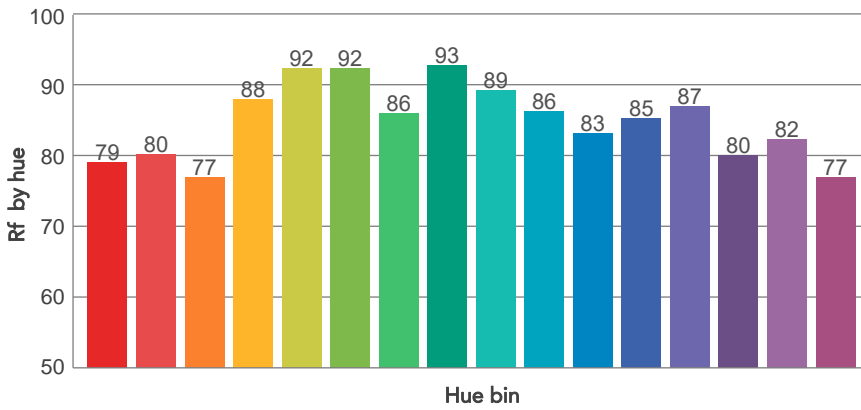
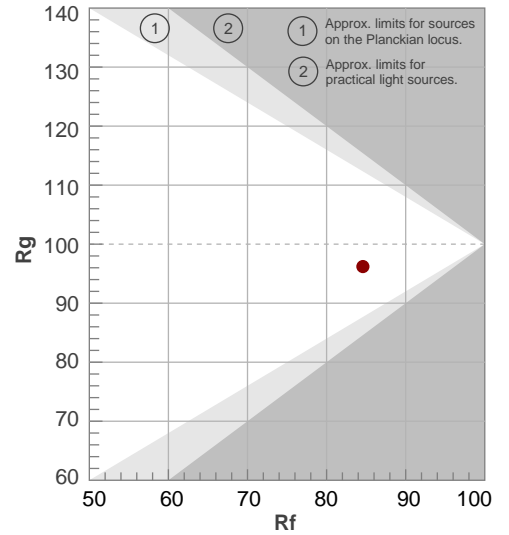
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2732 K	81,9	2,8	84,6	96,2	81,4	65	0,459	0,413	0,0008

TM30 DETAILS

Rf 84,6
Fidelity index Rf

Rg 96,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	77	-3%	12%
4	88	2%	8%
5	92	5%	5%
6	92	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-6%	0%
10	86	-5%	7%
11	83	-2%	12%
12	85	6%	3%
13	87	6%	-8%
14	80	5%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

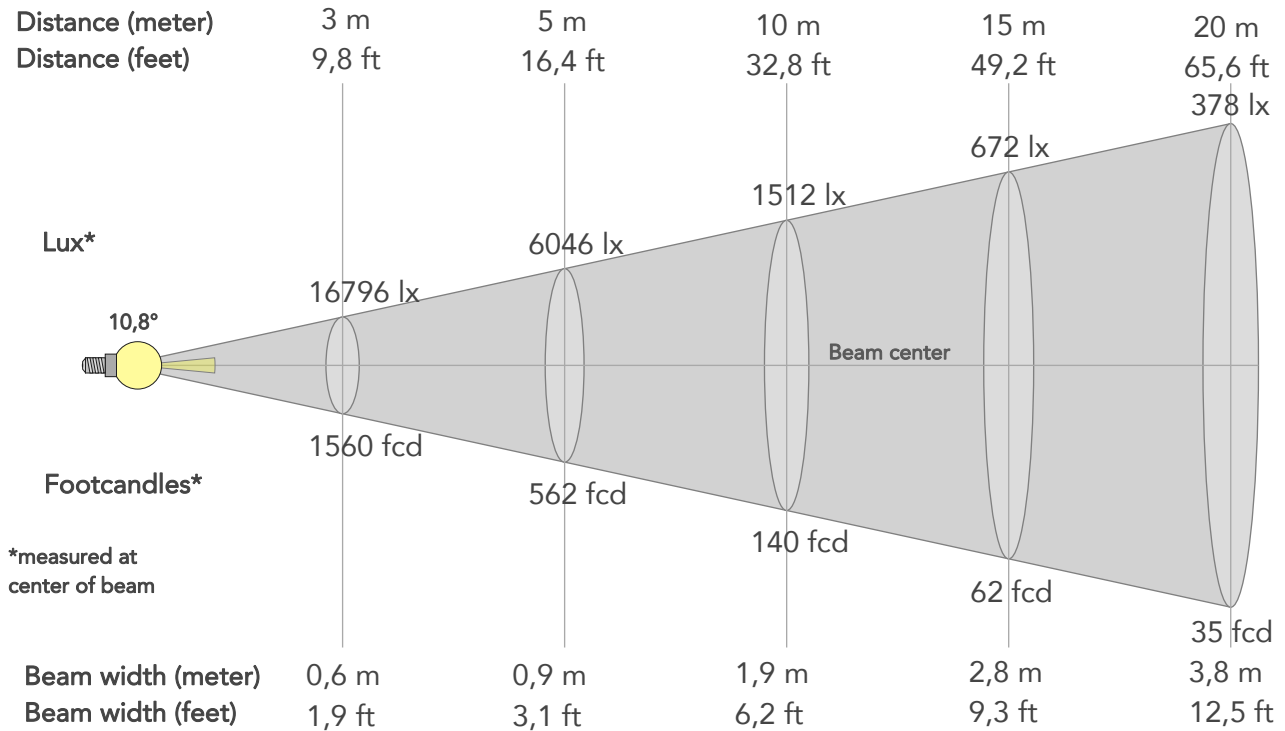


Color Evaluation Sample

BEAM DETAILS



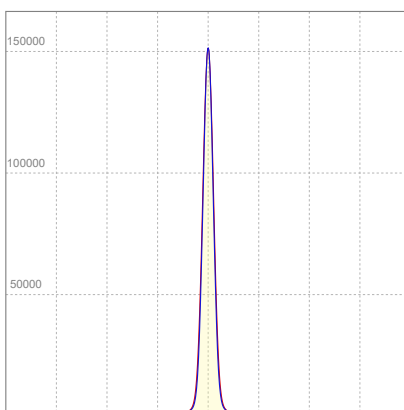
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,8°	20°	27,6°	100,0%	99,9%



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	151161lx	37790lx	16796lx	9448lx	6046lx	2687lx	1512lx	672lx	378lx	242lx	168lx	94lx	60lx
Footcand.	14043fcd	3511fcd	1560fcd	878fcd	562fcd	250fcd	140fcd	62fcd	35fcd	22fcd	16fcd	9fcd	6fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	0,9m	1,4m	1,9m	2,8m	3,8m	4,7m	5,7m	7,6m	9,5m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,2ft	9,3ft	12,5ft	15,6ft	18,7ft	24,9ft	31,1ft

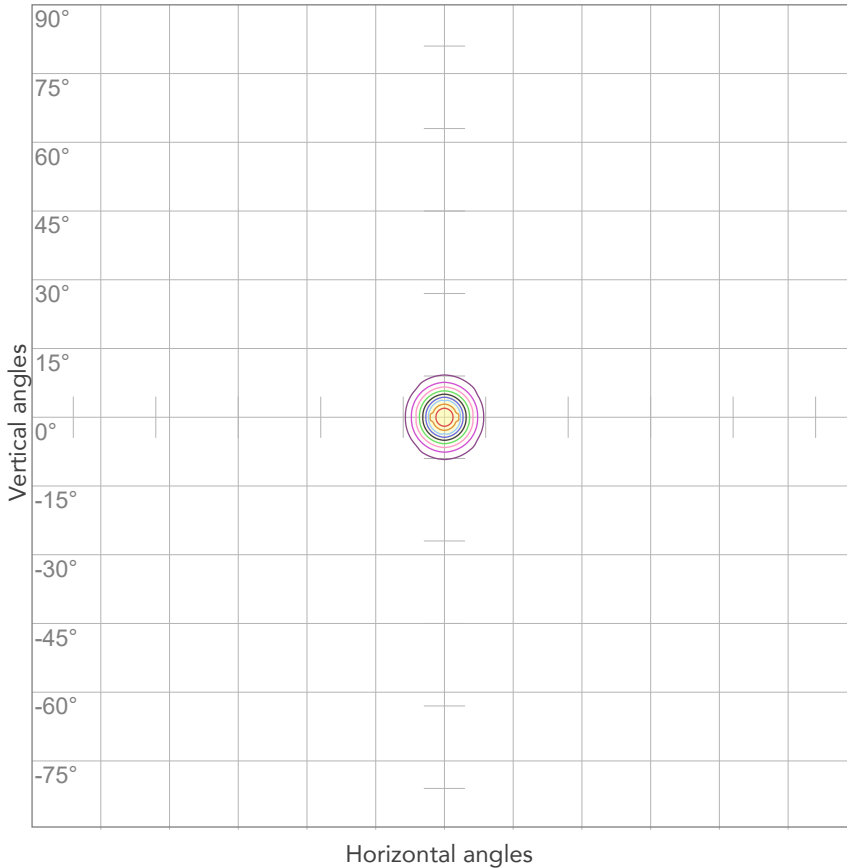
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,625A	129,3W	55lm/W

ISO CANDELA DIAGRAM



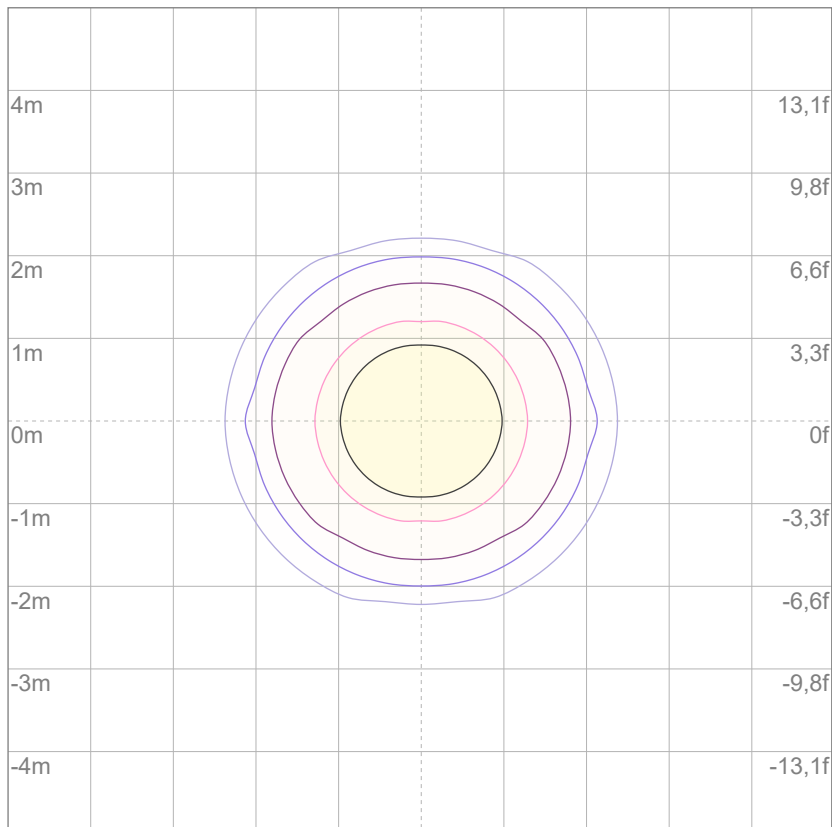
10%	15116 cd
20%	30232 cd
30%	45348 cd
40%	60464 cd
50%	75580 cd
60%	90697 cd
70%	105813 cd
80%	120929 cd

Conditions:

Number of c-planes: 4

Candela at center: 151161 cd

ISO LUX DIAGRAM



3%	45,3 lx
5%	75,6 lx
10%	151 lx
30%	453 lx
50%	756 lx

Conditions:

Number of c-planes: 4

Lux at center: 1512 lx

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



Total lumen output:

6300 lm

Peak candela output:

26516 cd

Light quality:

CRI: 81,4

Color temperature:

2750 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 20°

Target:

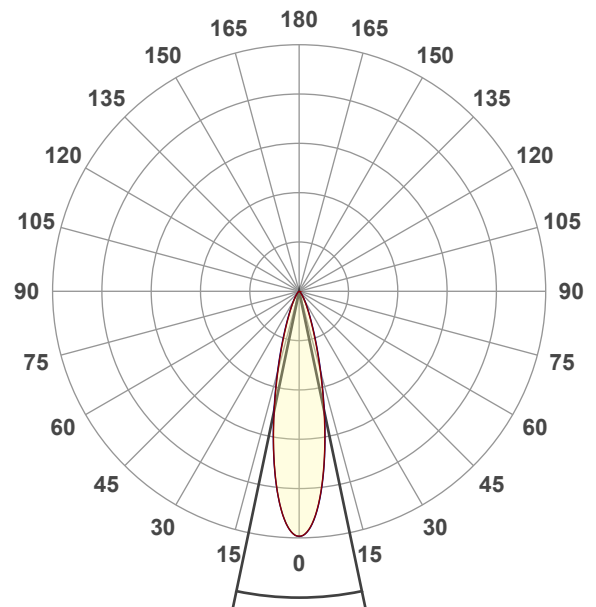
Warm White

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:32:57

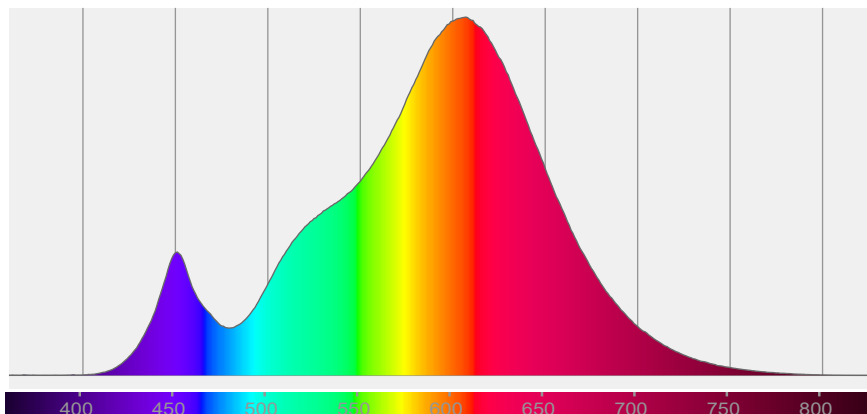


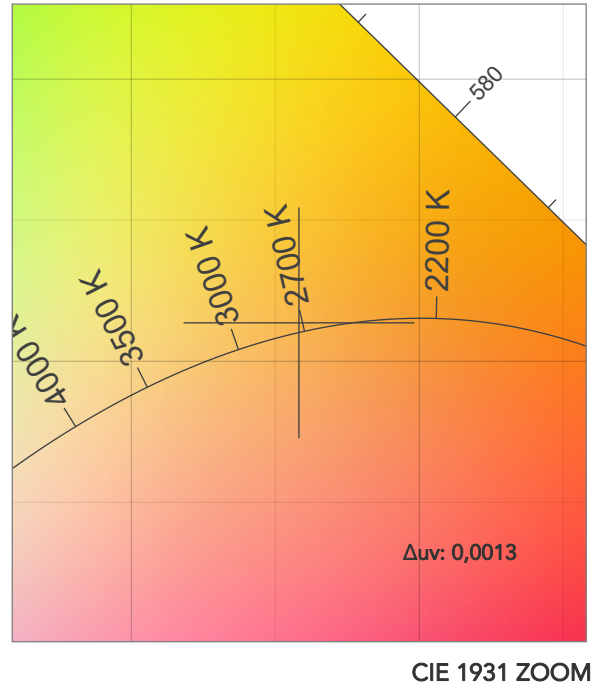
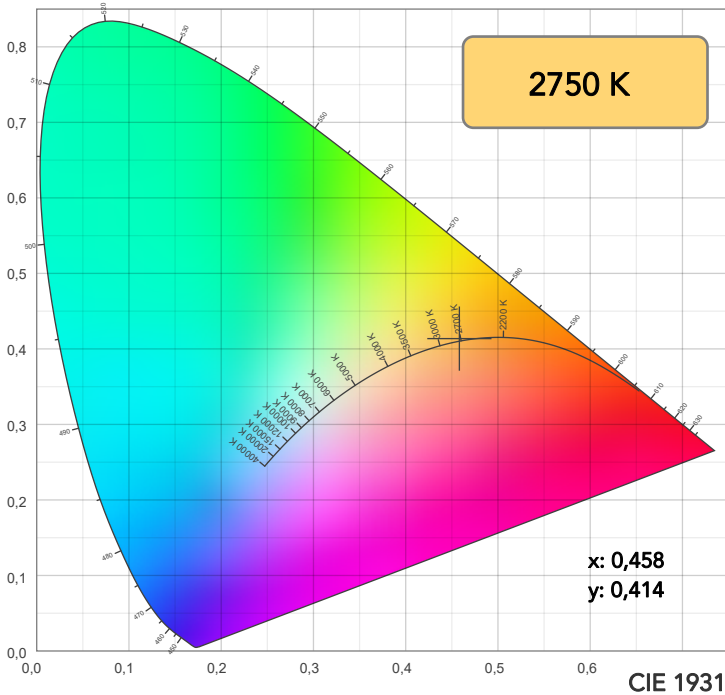
Beam angle 50%: 23,6°

Field angle 10%: 47,6°

Cut off angle 2.5%: 70,7°

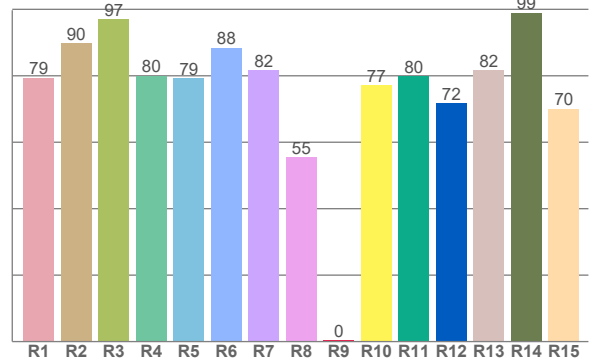
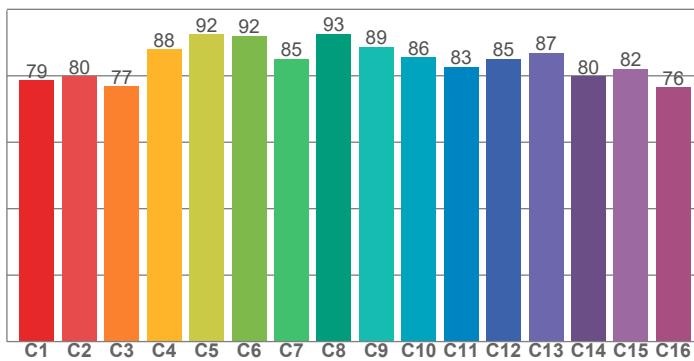
Spectra





TM30: 84,4

CRI: 81,4 (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
79,4	89,7	97,0	80,0	79,4	88,4	81,7	55,4	0,5	77,1	79,8	71,7	81,7	99,0	70,0

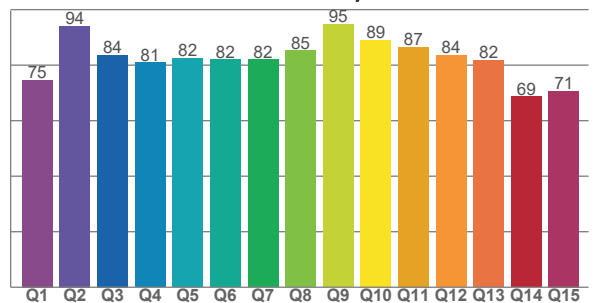
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,6	79,8	76,8	87,9	92,5	92,0	85,1	92,7	88,7	85,6	82,7	85,1	86,9	79,8	82,1	76,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,7	94,0	83,6	80,9	82,5	82,0	82,0	85,2	94,7	89,1	86,5	83,6	81,8	68,7	70,7

CQS: 81,1



COLOR PARAMETERS

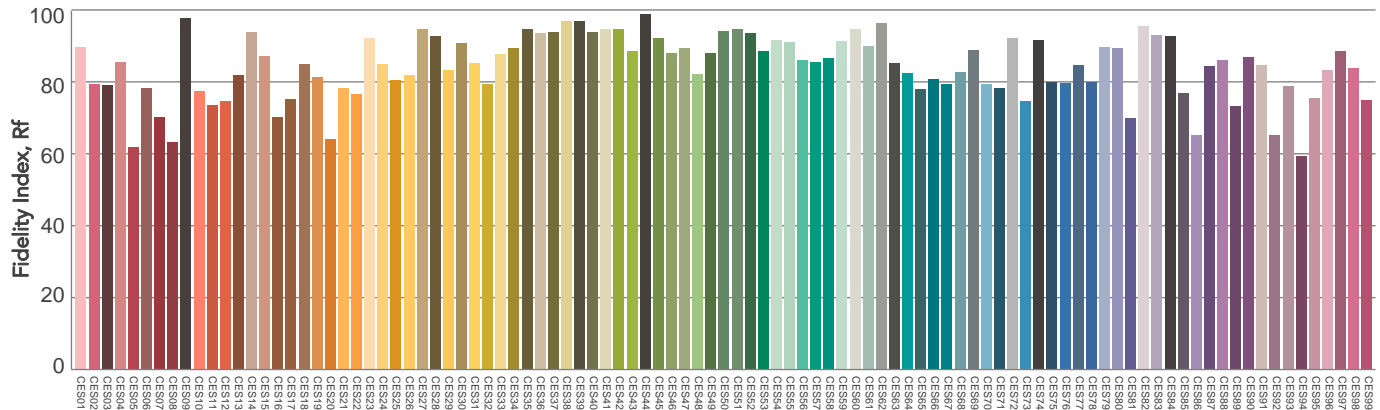
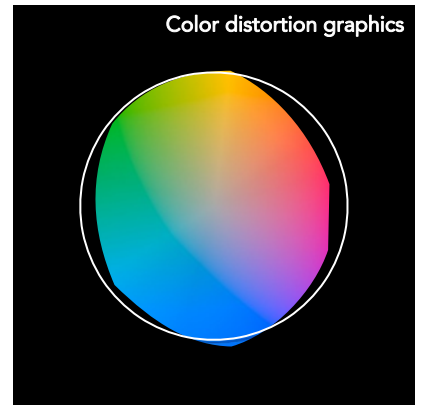
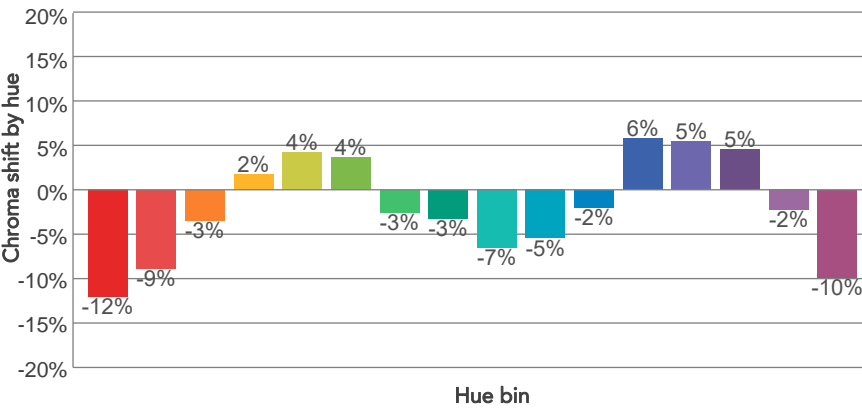
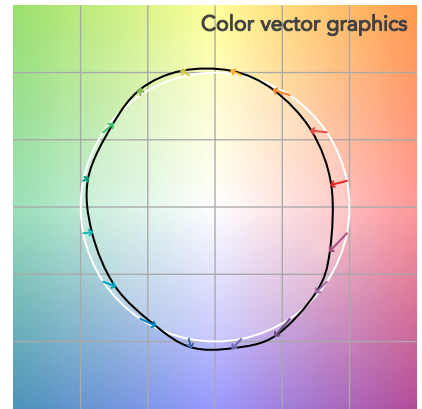
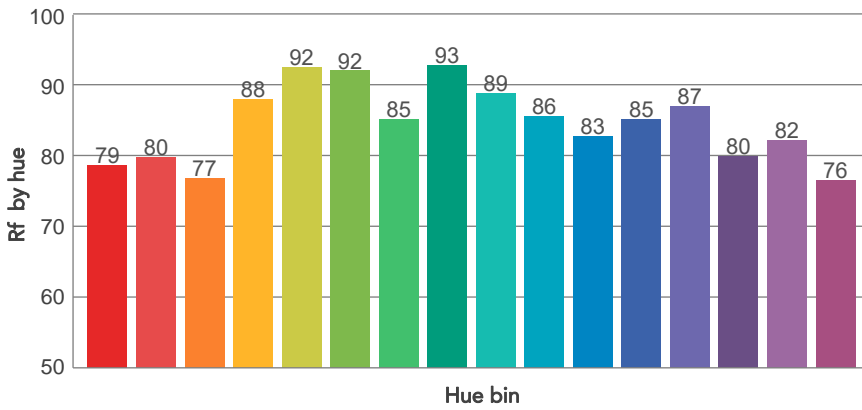
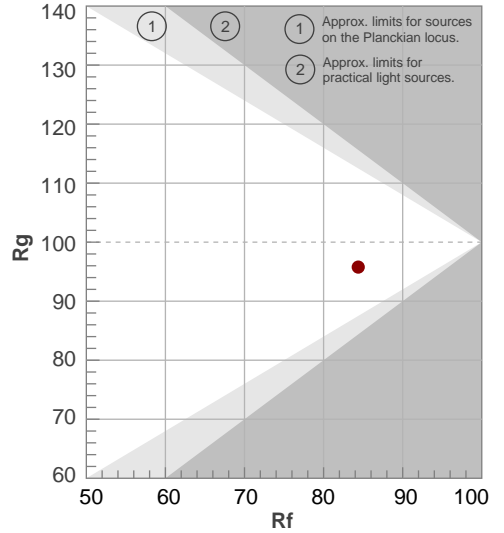
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2750 K	81,4	0,5	84,4	95,8	81,1	64	0,458	0,414	0,0013

TM30 DETAILS

Rf 84,4
Fidelity index Rf

Rg 95,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	77	-3%	12%
4	88	2%	8%
5	92	4%	5%
6	92	4%	-3%
7	85	-3%	-9%
8	93	-3%	-3%
9	89	-7%	1%
10	86	-5%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	5%	-16%
15	82	-2%	-11%
16	76	-10%	-15%

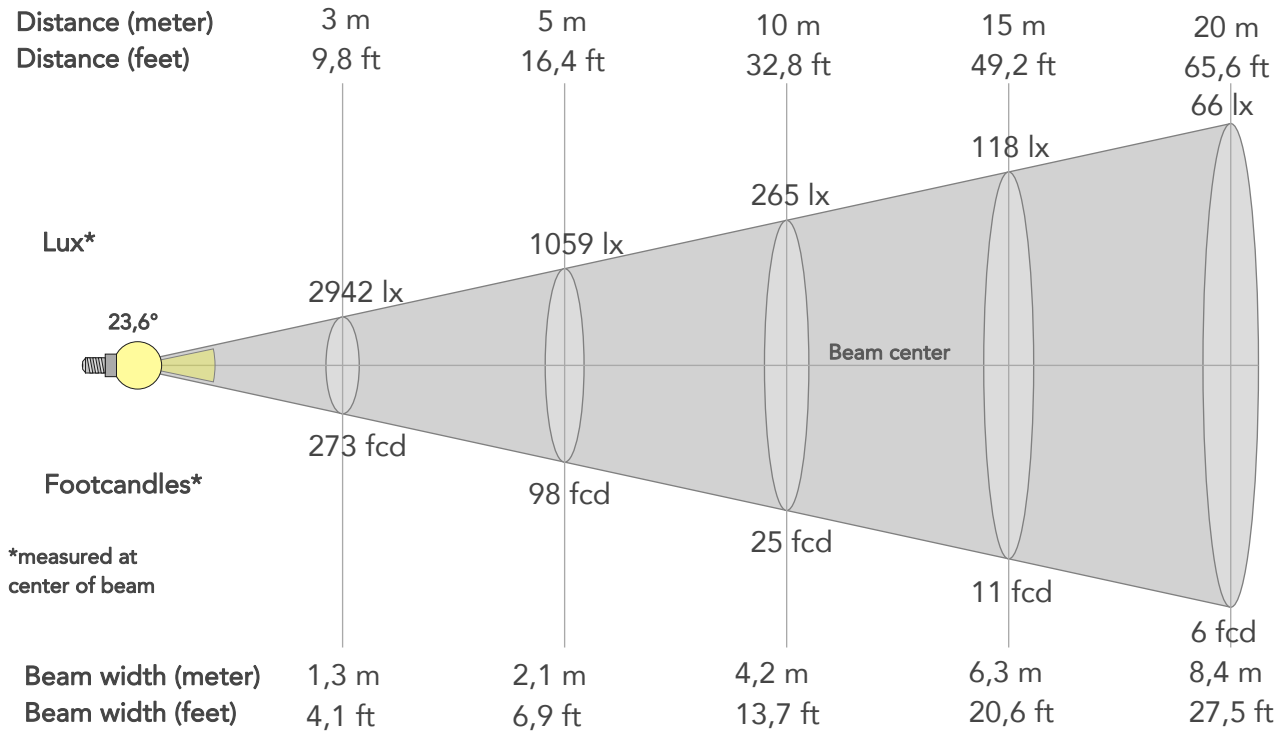


Color Evaluation Sample

BEAM DETAILS



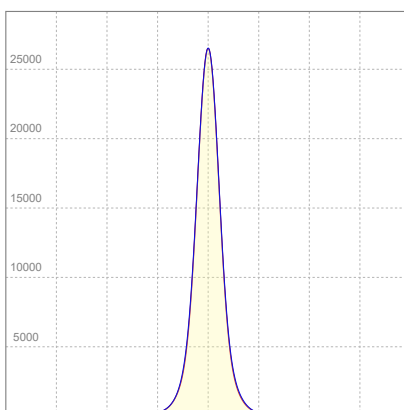
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,6°	47,6°	70,7°	99,7%	97,2%



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	26477lx	6619lx	2942lx	1655lx	1059lx	471lx	265lx	118lx	66lx	42lx	29lx	17lx	11lx
Footcand.	2460fcd	615fcd	273fcd	154fcd	98fcd	44fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,4m	10,5m	12,6m	16,7m	20,9m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,3ft	13,7ft	20,6ft	27,5ft	34,3ft	41,2ft	54,9ft	68,6ft

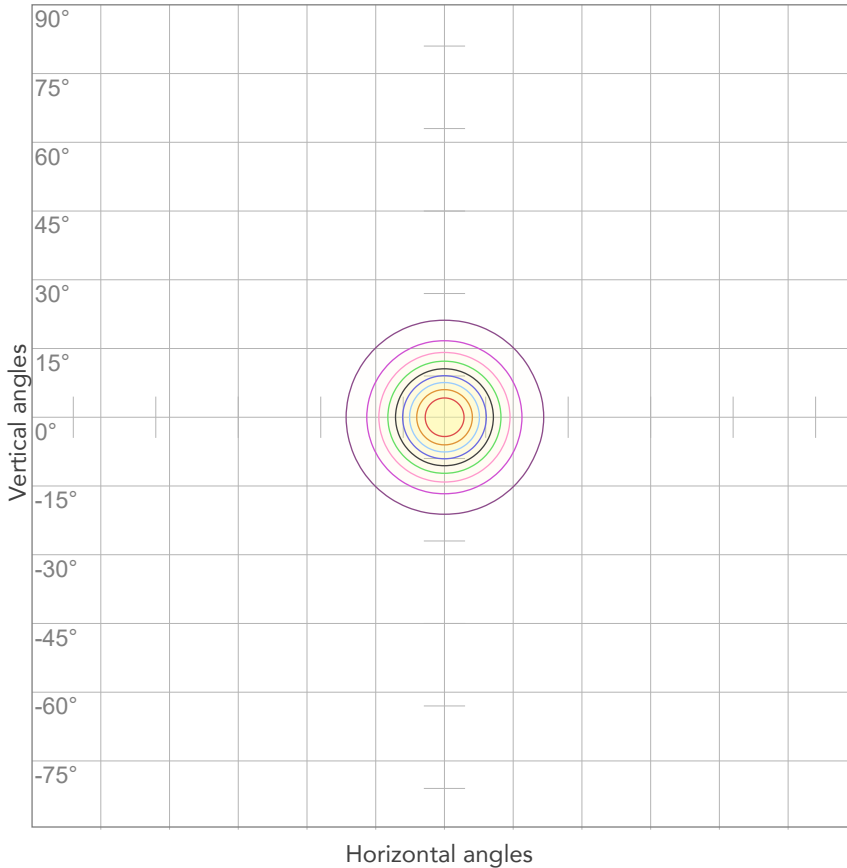
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,621A	128,7W	49lm/W

ISO CANDELA DIAGRAM



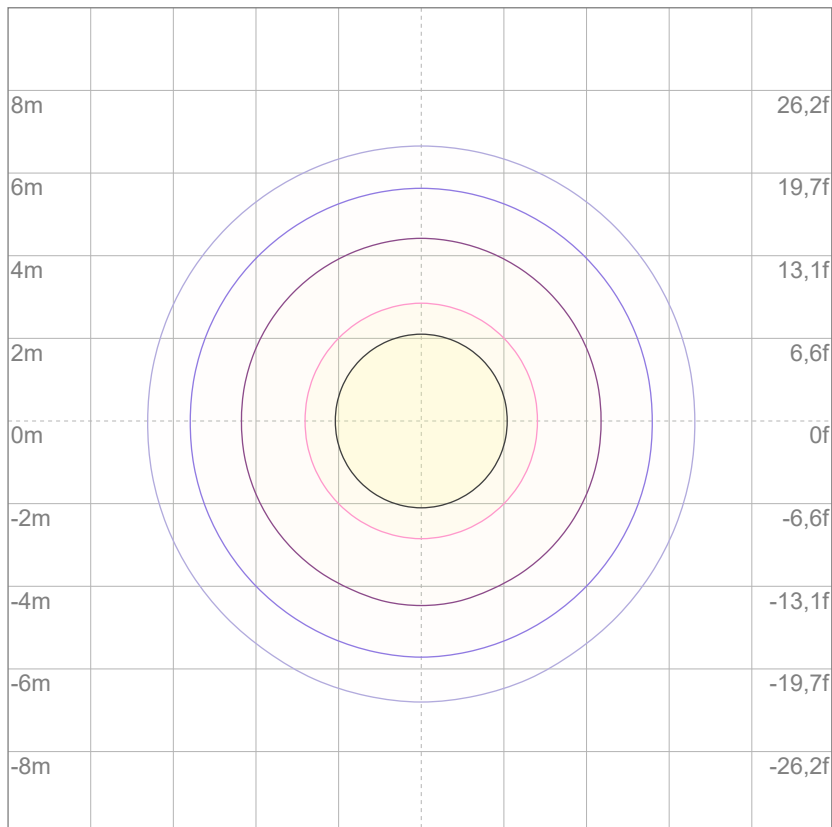
10%	2648 cd
20%	5295 cd
30%	7943 cd
40%	10591 cd
50%	13238 cd
60%	15886 cd
70%	18534 cd
80%	21181 cd

Conditions:

Number of c-planes: 4

Candela at center: 26477 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	7,94 lx
5%	13,2 lx
10%	26,5 lx
30%	79,4 lx
50%	132 lx

Conditions:

Number of c-planes: 4

Lux at center: 265 lx

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



Total lumen output:

4952 lm

Peak candela output:

13520 cd

Light quality:

CRI: 81,2

Color temperature:

2747 K

PRODUCT NAME:

ArcPod27 VW

MEASURAMENT CONDITIONS:

Beam angle:

15° + 30°

Target:

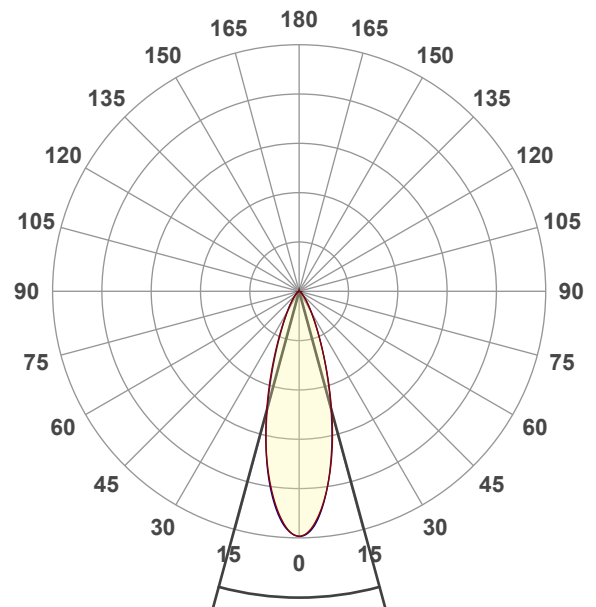
Warm White

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:44:26

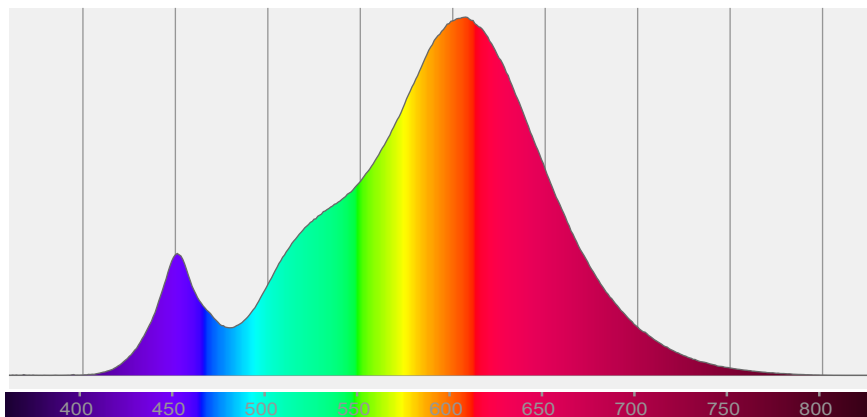


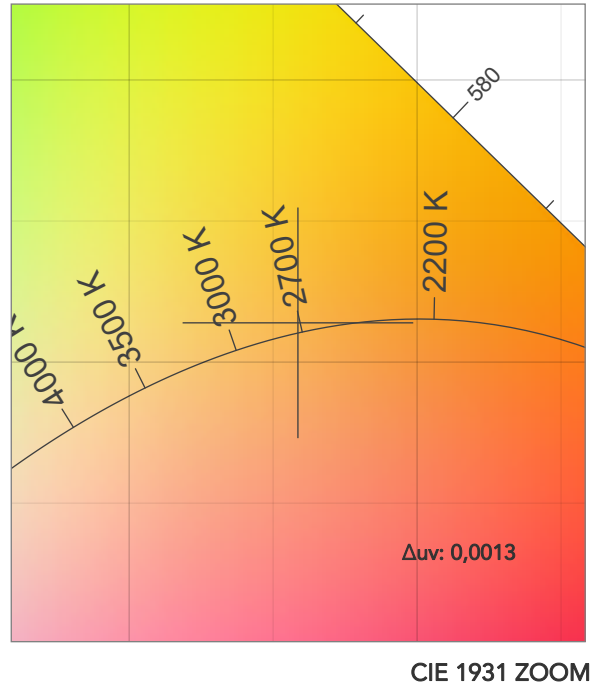
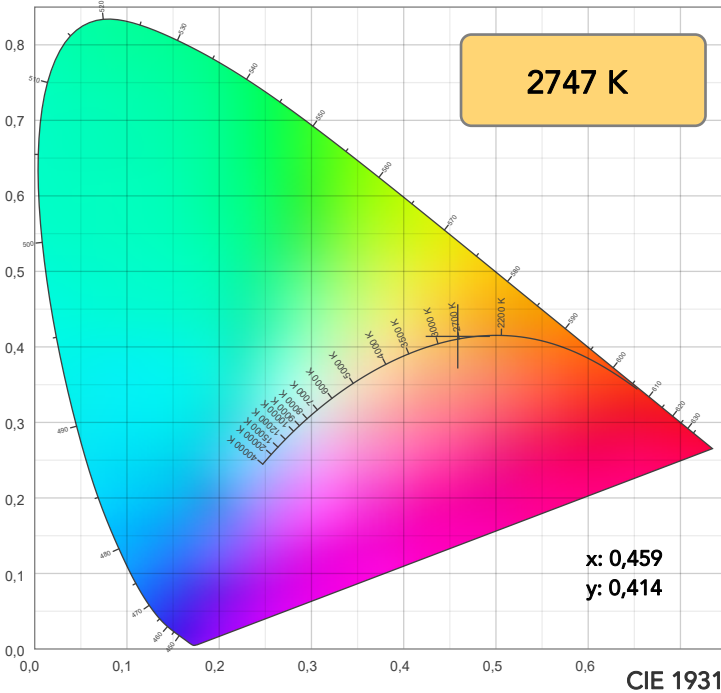
Beam angle 50%: 30,4°

Field angle 10%: 59,7°

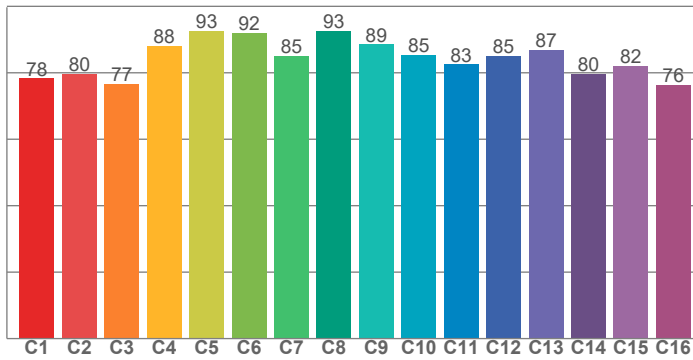
Cut off angle 2.5%: 86,4°

Spectra

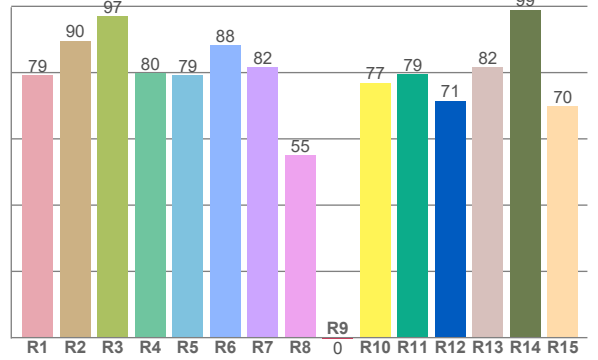




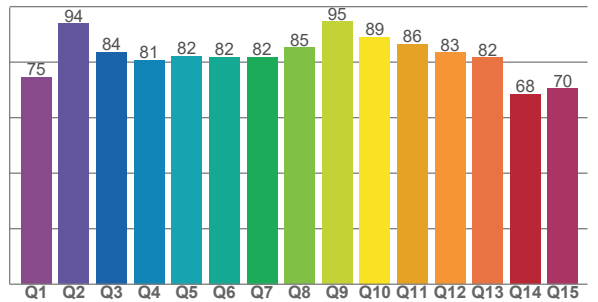
TM30: 84,3



CRI: 81,2 (R1-R8)



CQS: 81,0



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,2	89,6	96,9	79,7	79,1	88,3	81,5	55,0	-0,3	76,9	79,5	71,5	81,5	99,0	69,8

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
78,3	79,6	76,7	88,0	92,7	92,1	85,1	92,6	88,6	85,4	82,6	85,1	86,9	79,7	82,0	76,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,6	94,0	83,6	80,7	82,3	81,9	81,9	85,2	94,7	89,1	86,5	83,4	81,6	68,4	70,5

COLOR PARAMETERS

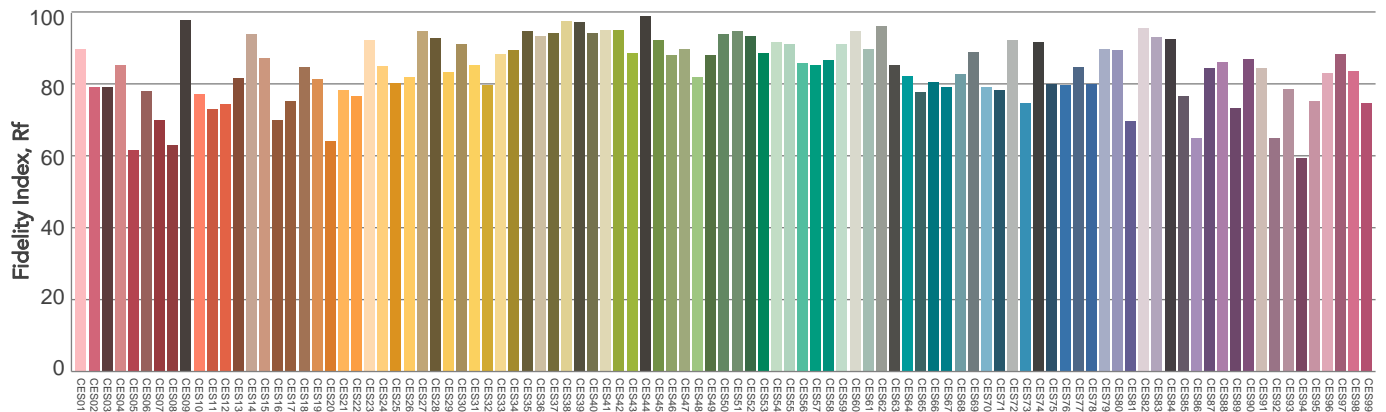
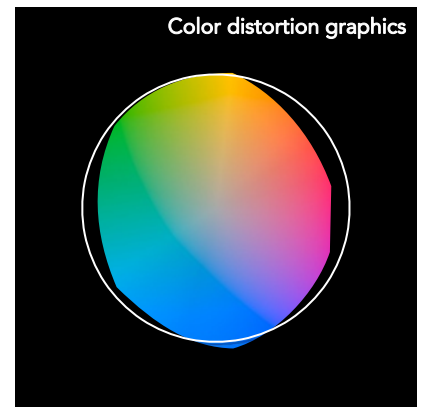
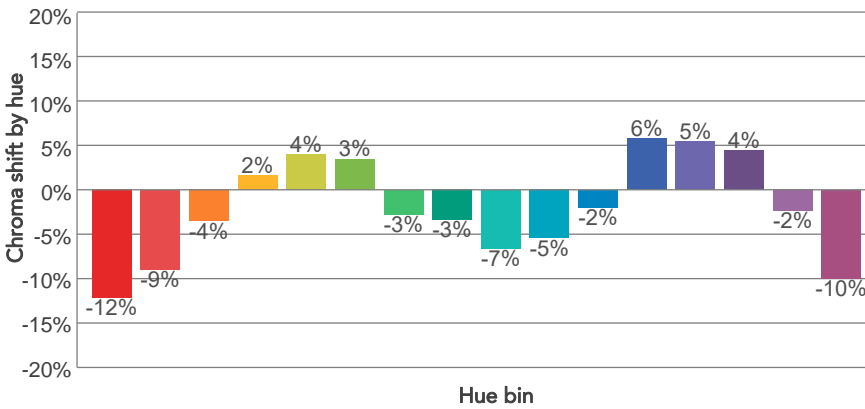
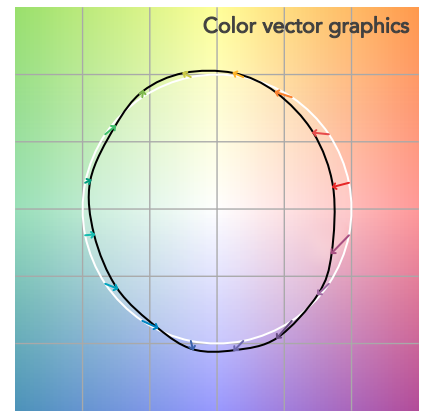
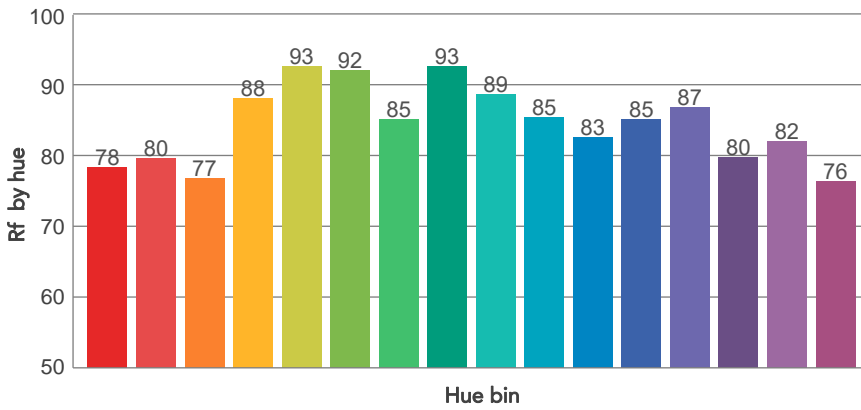
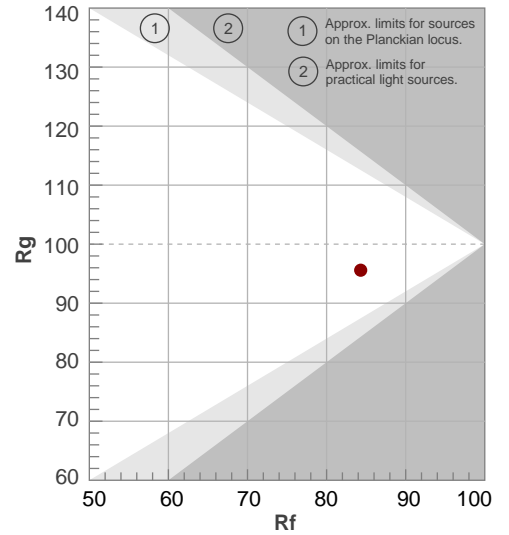
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2747 K	81,2	-0,3	84,3	95,6	81,0	64	0,459	0,414	0,0013

TM30 DETAILS

Rf 84,3
Fidelity index Rf

Rg 95,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	80	-9%	7%
3	77	-4%	12%
4	88	2%	8%
5	93	4%	5%
6	92	3%	-3%
7	85	-3%	-9%
8	93	-3%	-3%
9	89	-7%	1%
10	85	-5%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	76	-10%	-16%

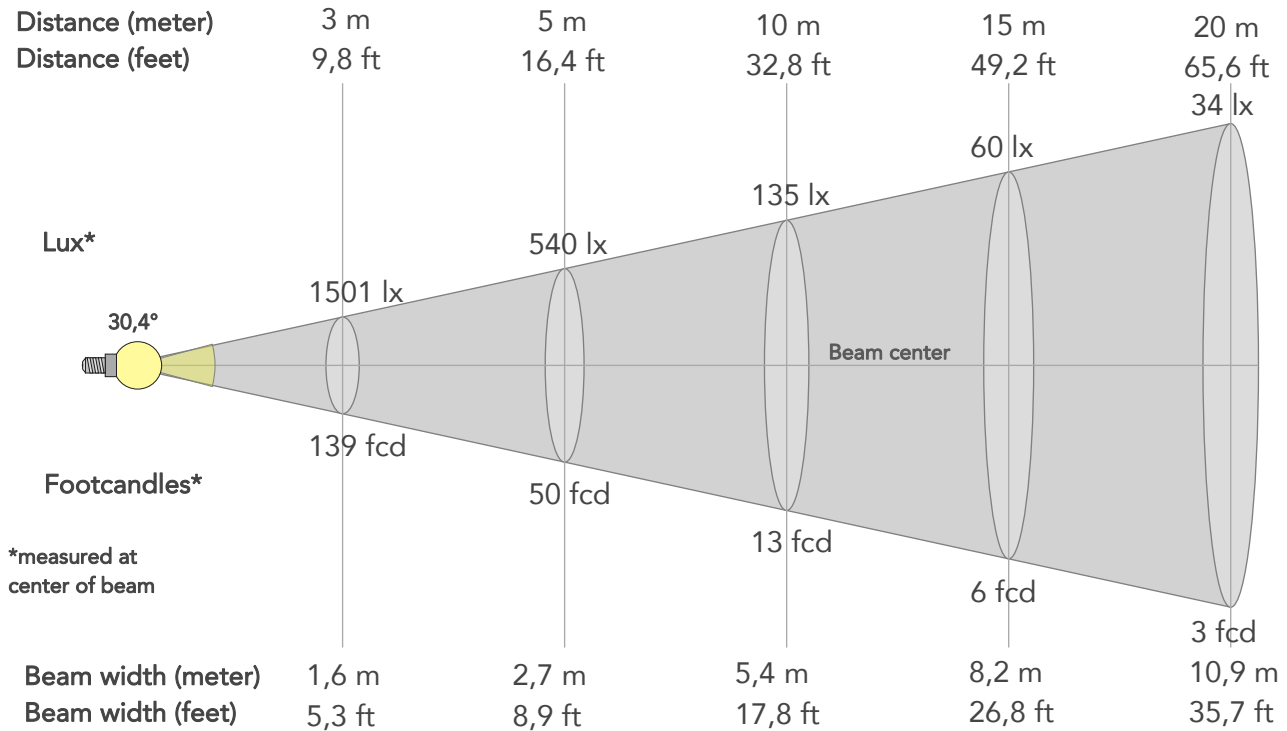


Color Evaluation Sample

BEAM DETAILS



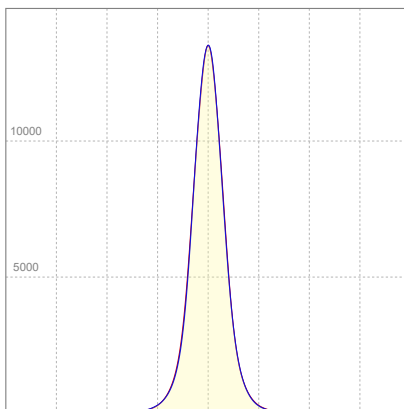
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,4°	59,7°	86,4°	99,2%	95,4%



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	13509lx	3377lx	1501lx	844lx	540lx	240lx	135lx	60lx	34lx	22lx	15lx	8lx	5lx
Footcand.	1255fcd	314fcd	139fcd	78fcd	50fcd	22fcd	13fcd	6fcd	3fcd	2fcd	1fcd	1fcd	1fcd
Beam wid.	0,5m	1,1m	1,6m	2,2m	2,7m	4,1m	5,4m	8,2m	10,9m	13,6m	16,3m	21,8m	27,2m
Beam wid.	1,8ft	3,6ft	5,3ft	7,1ft	8,9ft	13,4ft	17,8ft	26,8ft	35,7ft	44,6ft	53,5ft	71,4ft	89,2ft

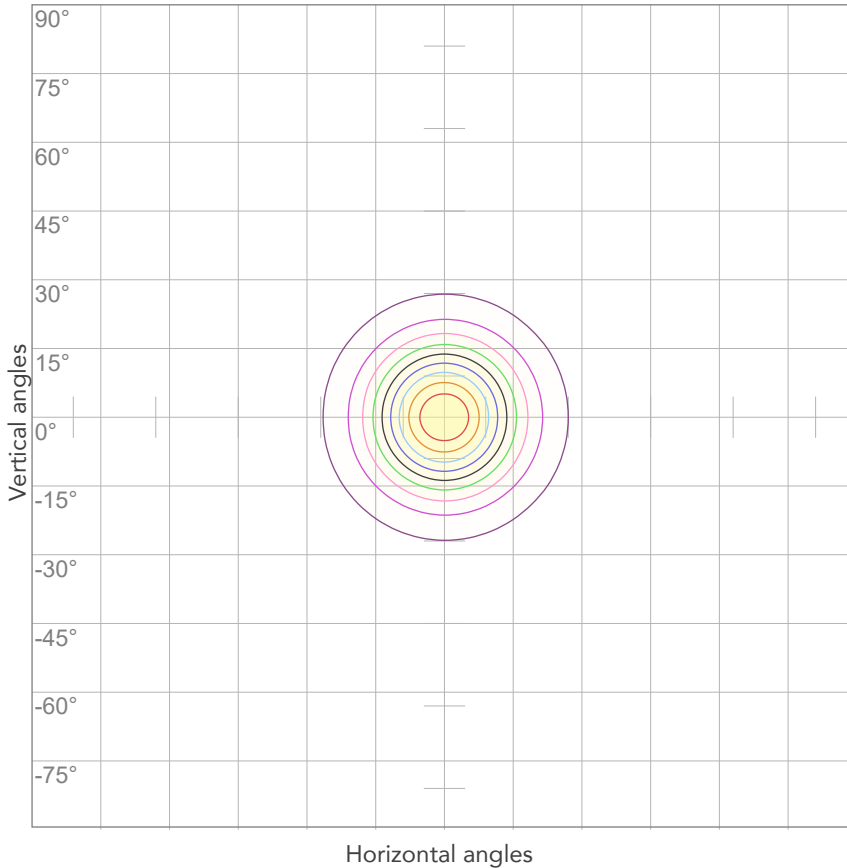
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,616A	128W	39lm/W

ISO CANDELA DIAGRAM



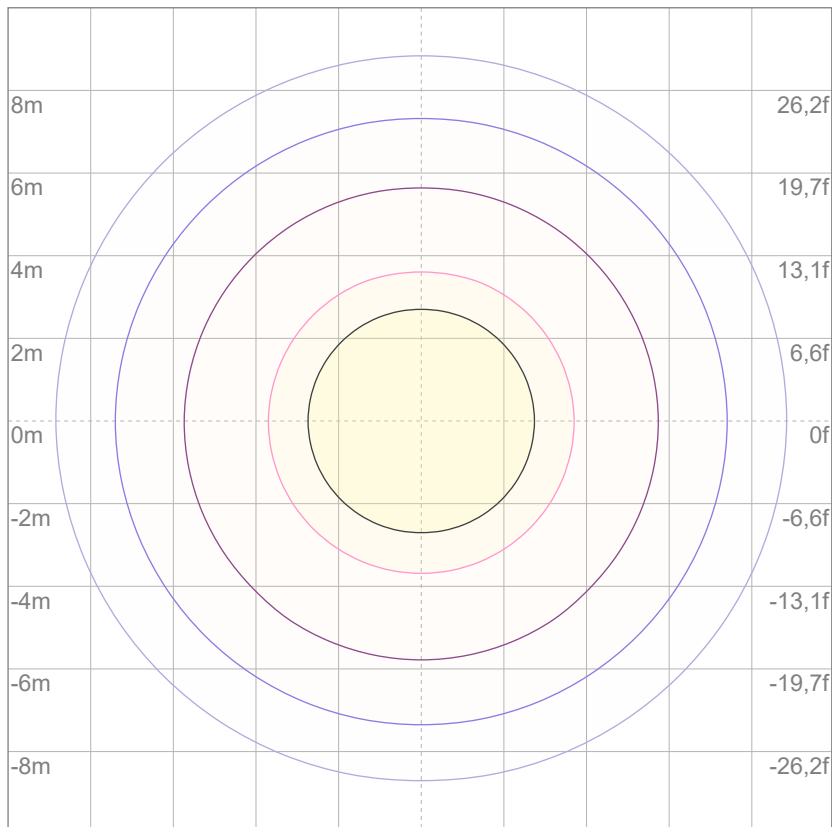
10%	1351 cd
20%	2702 cd
30%	4053 cd
40%	5404 cd
50%	6755 cd
60%	8105 cd
70%	9456 cd
80%	10807 cd

Conditions:

Number of c-planes: 4

Candela at center: 13509 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,05 lx
5%	6,75 lx
10%	13,5 lx
30%	40,5 lx
50%	67,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 135 lx

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



Total lumen output:

6335 lm

Peak candela output:

8449 cd

Light quality:

CRI: 81,5

Color temperature:

2762 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 40°

Target:

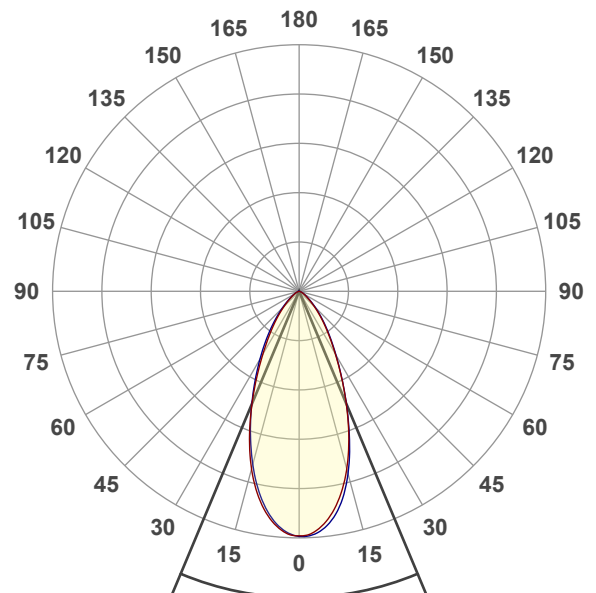
Warm White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:04:58



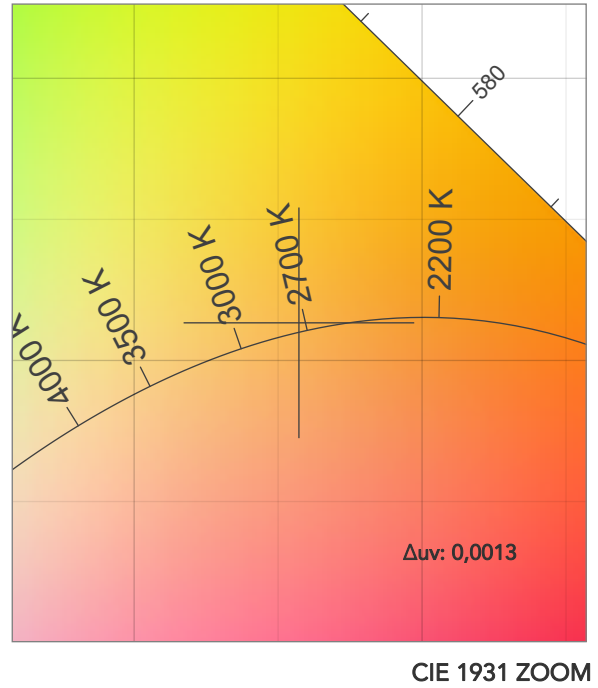
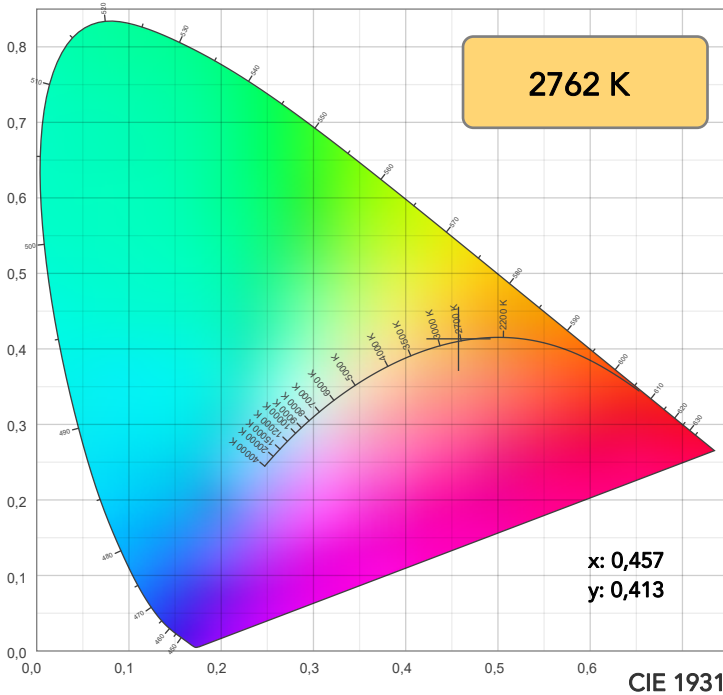
Beam angle 50%: 45,5°

Field angle 10%: 88,1°

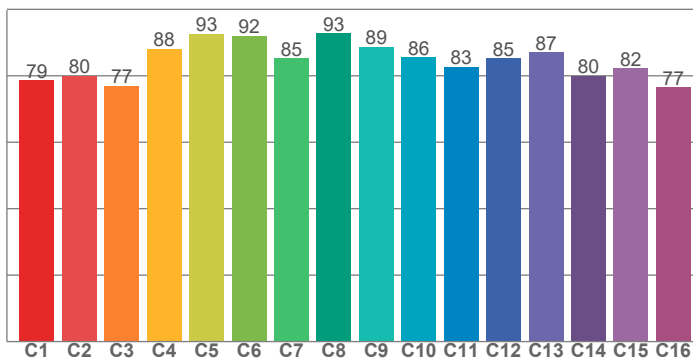
Cut off angle 2.5%: 117,8°

Spectra

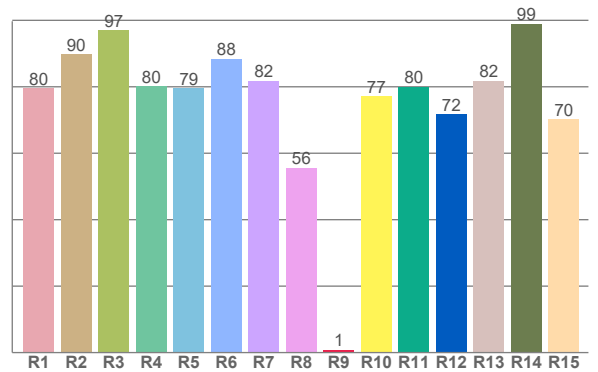




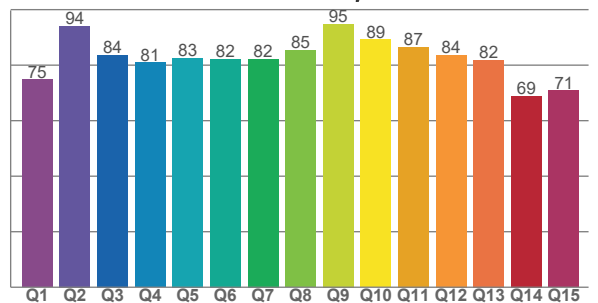
TM30: 84,5



CRI: 81,5 (R1-R8)



CQS: 81,2



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,5	89,8	97,0	80,1	79,5	88,5	81,8	55,6	0,9	77,2	80,0	71,7	81,8	99,0	70,2

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
78,7	79,9	76,9	88,0	92,6	92,0	85,2	92,8	88,8	85,6	82,7	85,2	87,0	79,9	82,2	76,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,8	94,1	83,7	81,0	82,6	82,2	82,1	85,4	94,8	89,2	86,6	83,6	81,8	68,8	70,8

COLOR PARAMETERS

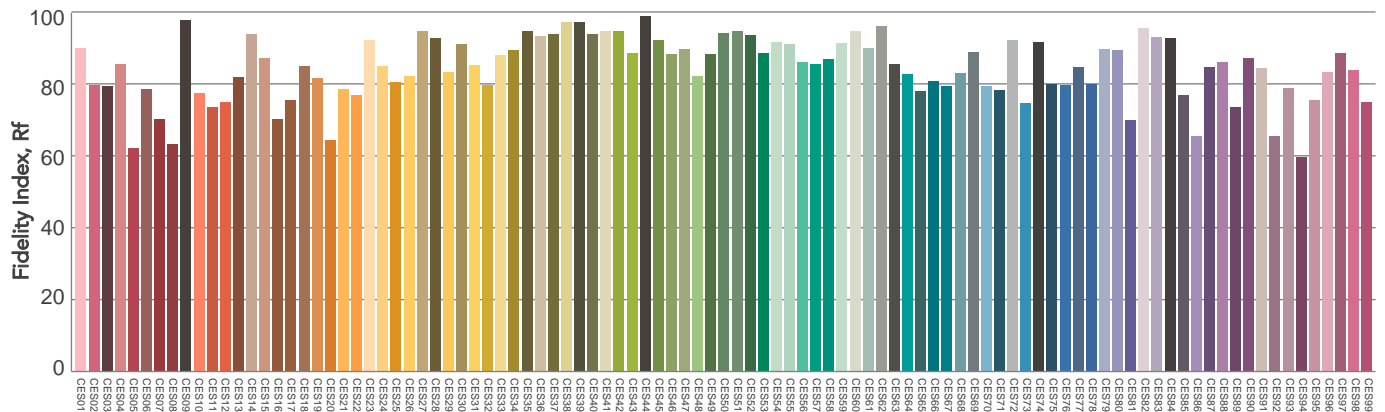
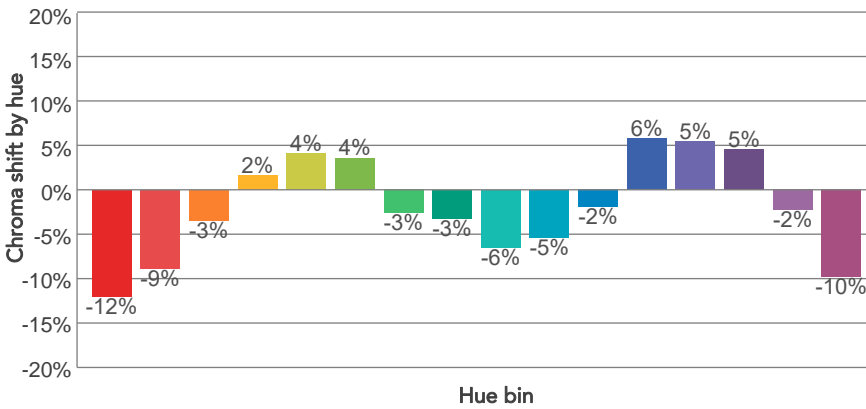
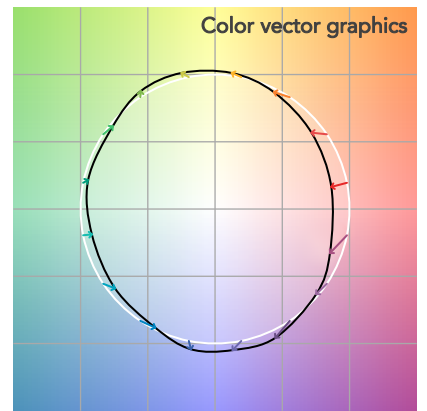
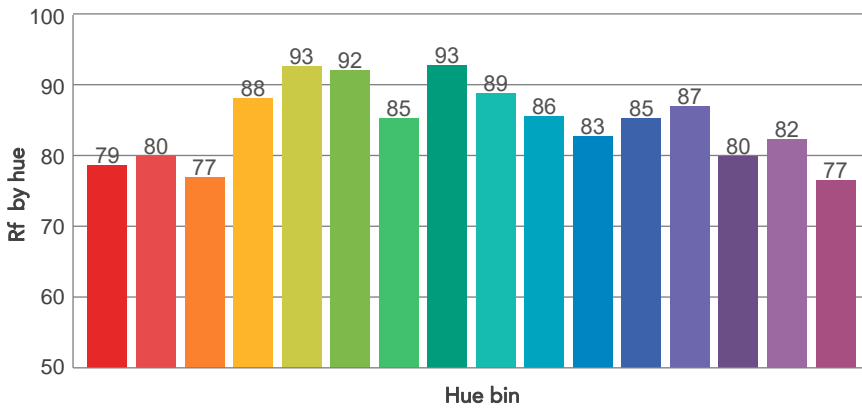
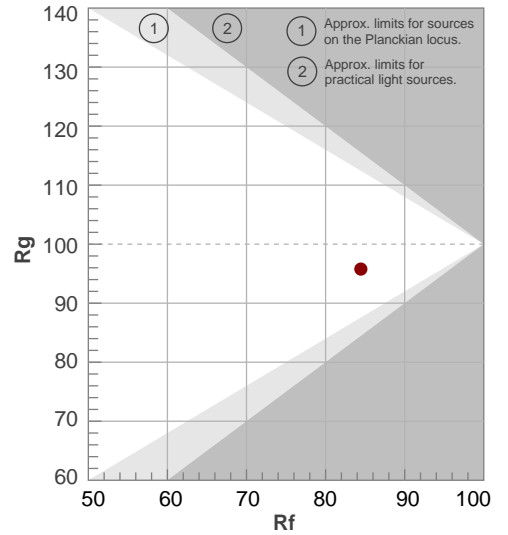
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2762 K	81,5	0,9	84,5	95,8	81,2	64	0,457	0,413	0,0013

TM30 DETAILS

Rf 84,5
Fidelity index Rf

Rg 95,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	77	-3%	12%
4	88	2%	8%
5	93	4%	5%
6	92	4%	-3%
7	85	-3%	-9%
8	93	-3%	-3%
9	89	-6%	1%
10	86	-5%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	5%	-16%
15	82	-2%	-11%
16	77	-10%	-16%

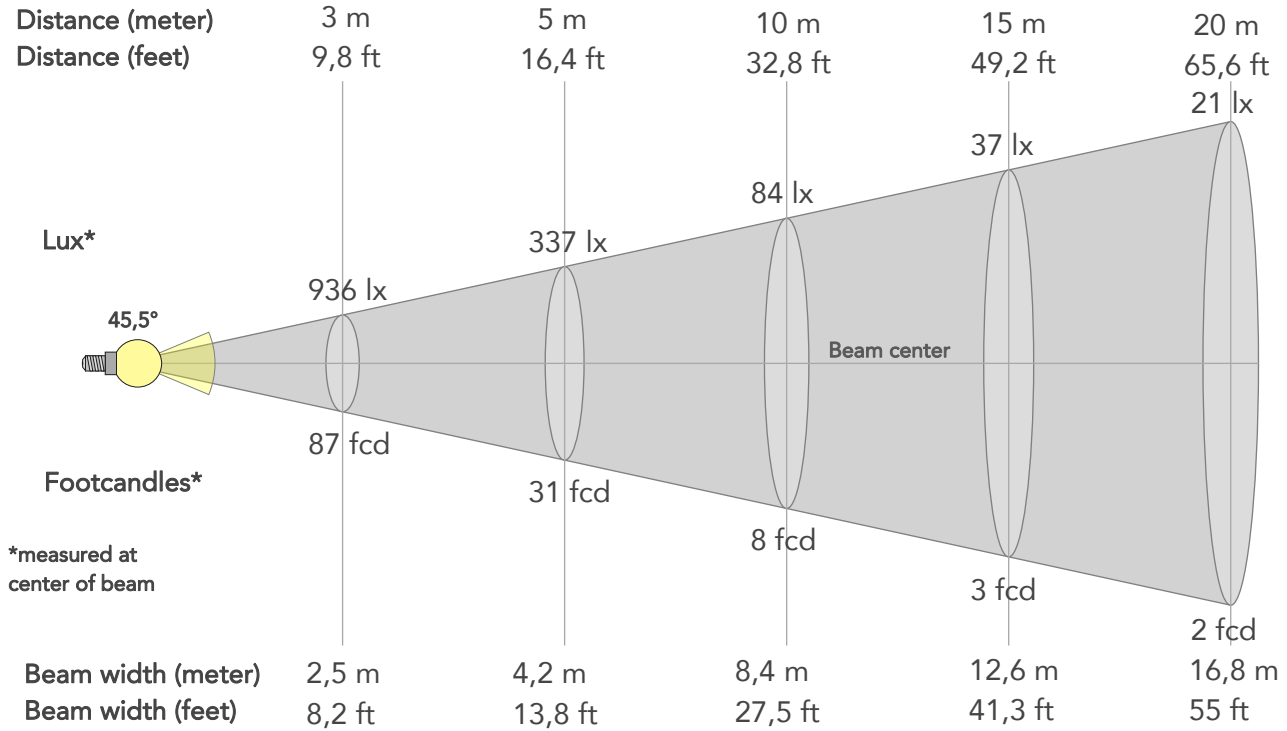


Color Evaluation Sample

BEAM DETAILS



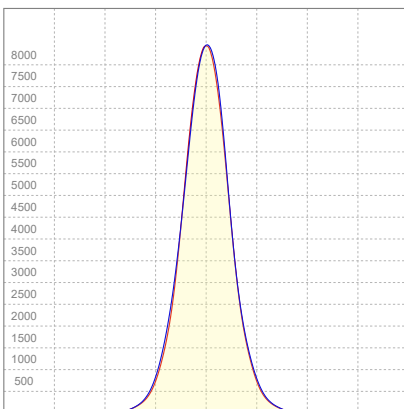
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,5°	88,1°	117,8°	97,6%	89,3%



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	8428lx	2107lx	936lx	527lx	337lx	150lx	84lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	783fcd	196fcd	87fcd	49fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,2m	33,6m	41,9m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,8ft	20,6ft	27,5ft	41,3ft	55ft	68,8ft	82,5ft	110ft	137,6ft

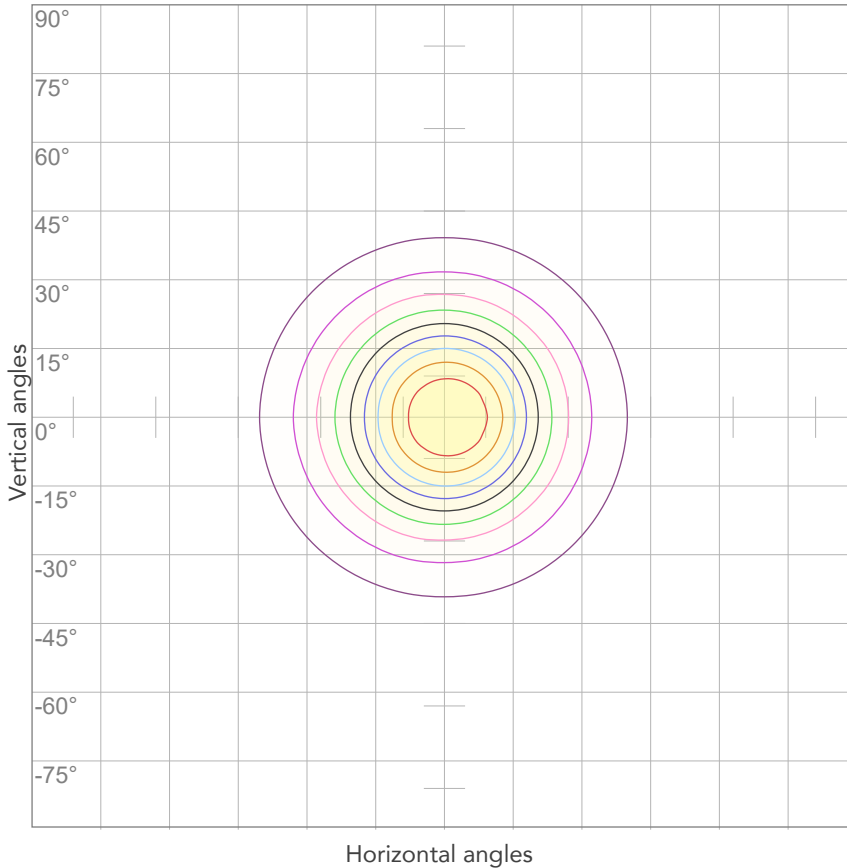
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,617A	128,5W	49lm/W

ISO CANDELA DIAGRAM



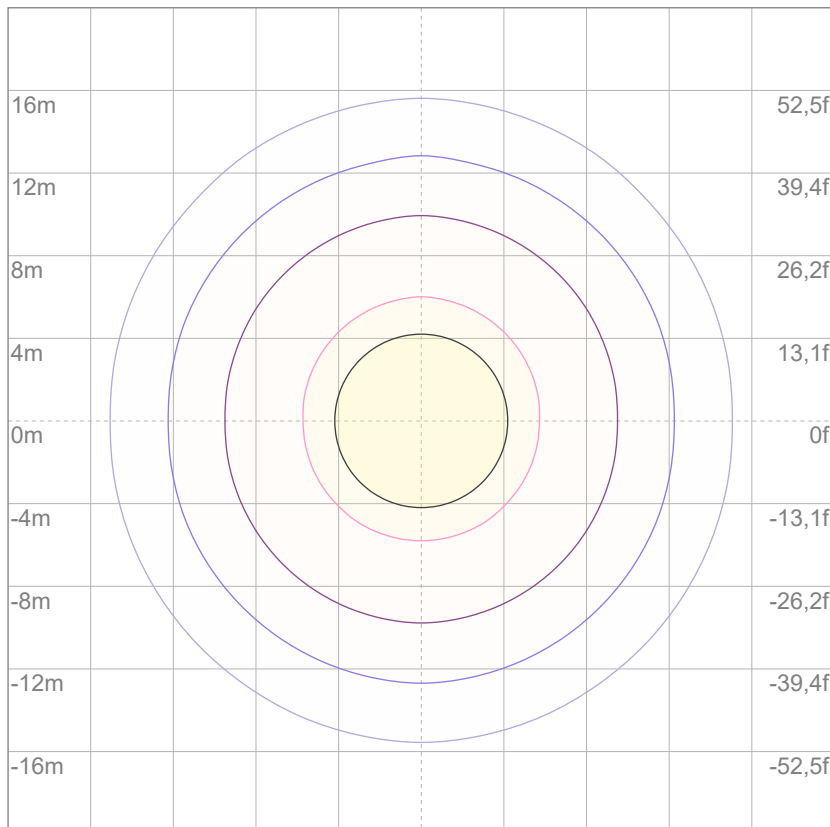
10%	843 cd
20%	1686 cd
30%	2528 cd
40%	3371 cd
50%	4214 cd
60%	5057 cd
70%	5899 cd
80%	6742 cd

Conditions:

Number of c-planes: 4

Candela at center: 8428 cd

ISO LUX DIAGRAM



3%	2,53 lx
5%	4,21 lx
10%	8,43 lx
30%	25,3 lx
50%	42,1 lx

Conditions:

Number of c-planes: 4

Lux at center: 84,3 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:

6237 lm

Peak candela output:

5577 cd

Light quality:

CRI: 81,5

Color temperature:

2764 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 60°

Target:

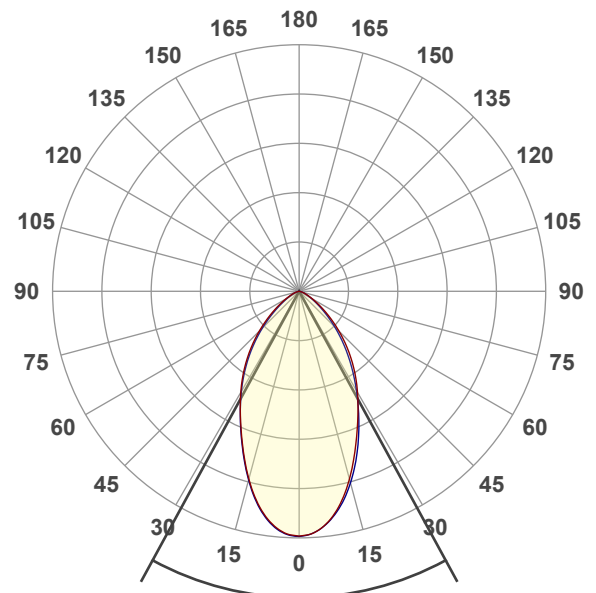
Warm White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:13:35

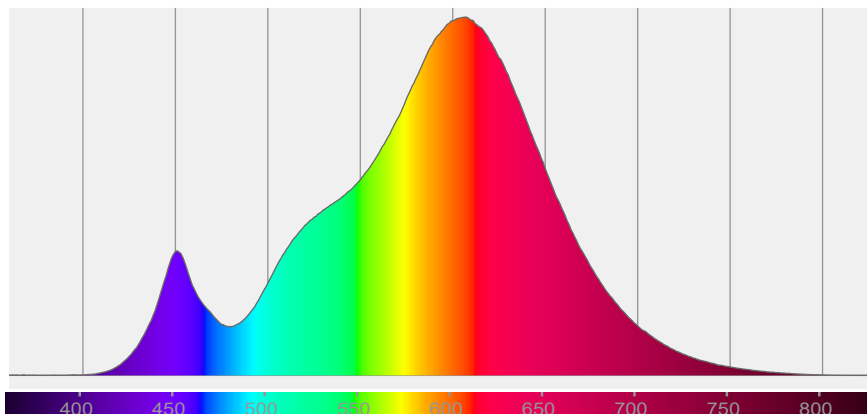


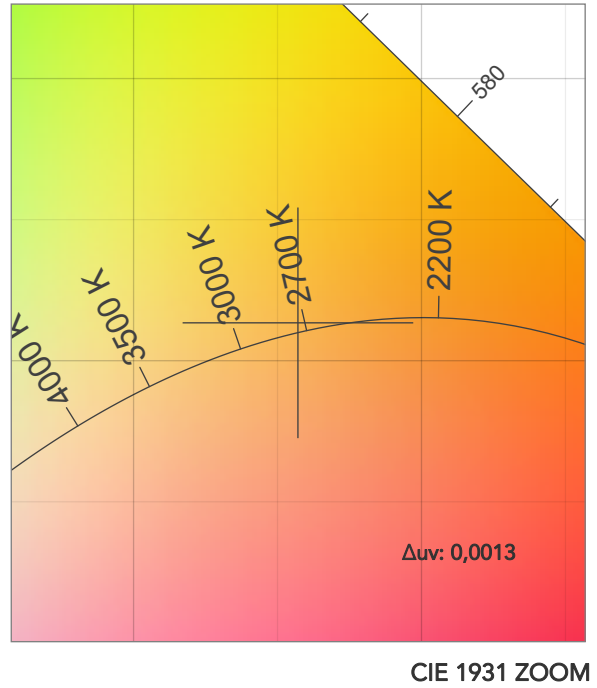
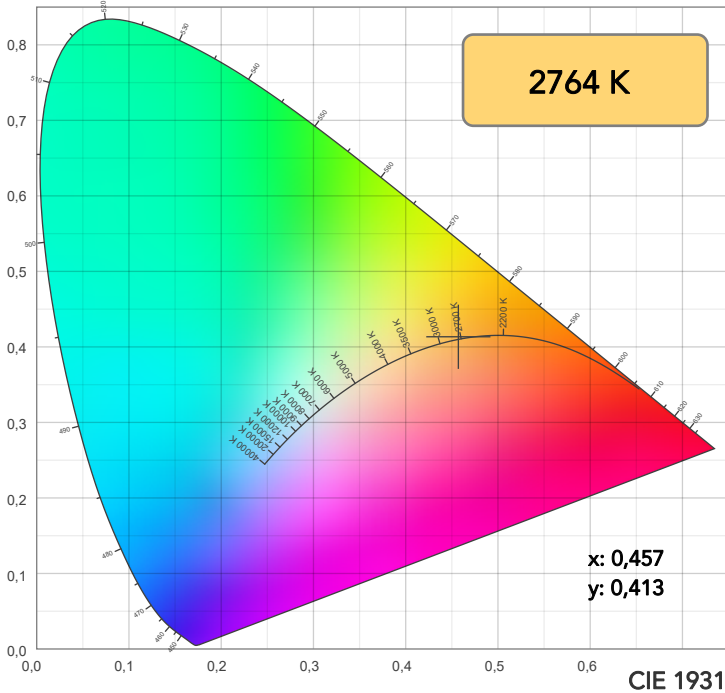
Beam angle 50%: 57,2°

Field angle 10%: 109,1°

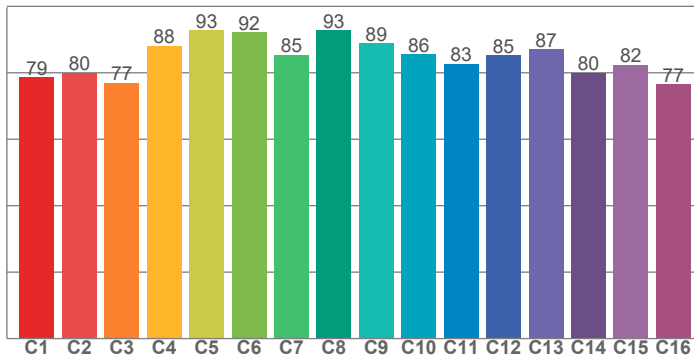
Cut off angle 2.5%: 136,4°

Spectra

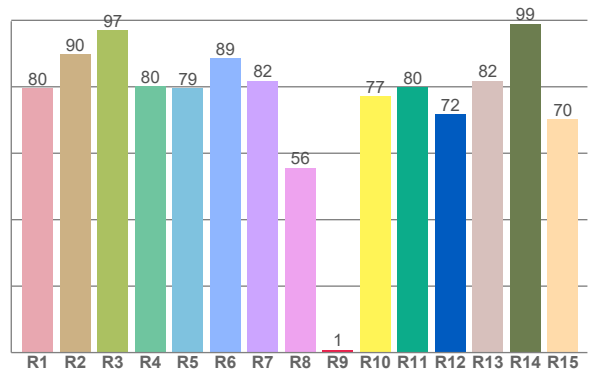




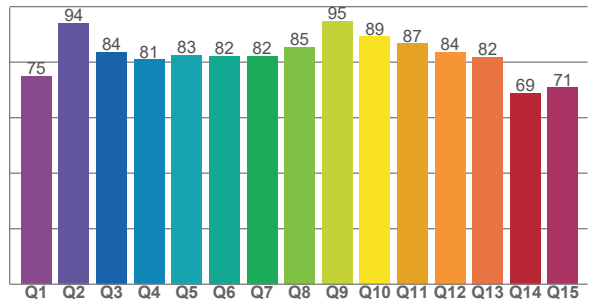
TM30: 84,5



CRI: 81,5 (R1-R8)



CQS: 81,2



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,5	89,8	97,0	80,1	79,5	88,5	81,8	55,6	0,9	77,2	80,0	71,8	81,9	99,0	70,2

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
78,7	79,9	77,0	88,2	92,7	92,2	85,3	92,8	88,8	85,5	82,7	85,2	87,0	79,9	82,3	76,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,9	94,1	83,7	81,0	82,6	82,2	82,2	85,4	94,8	89,2	86,6	83,7	81,9	68,8	70,8

COLOR PARAMETERS

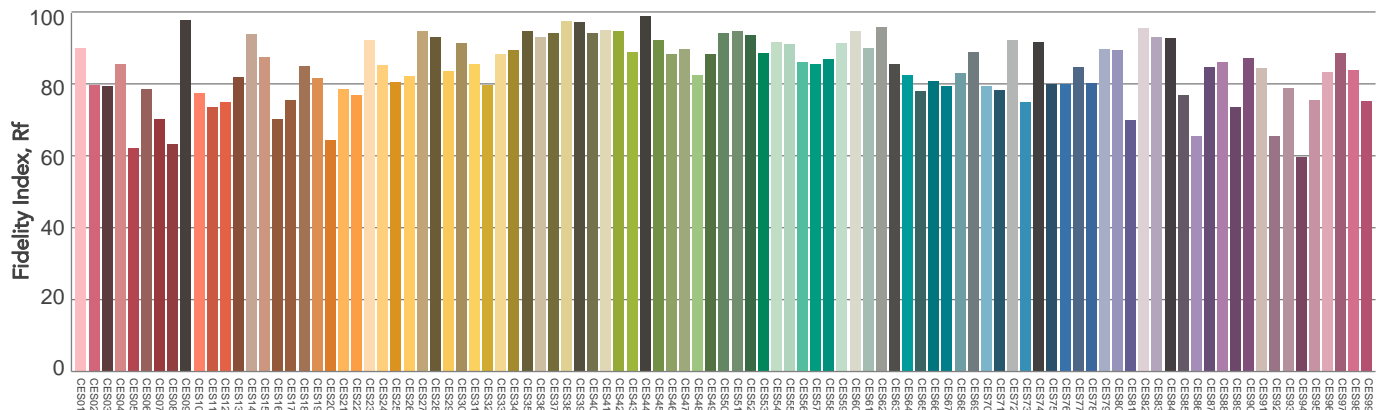
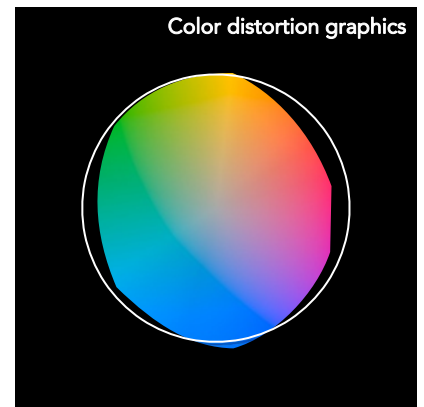
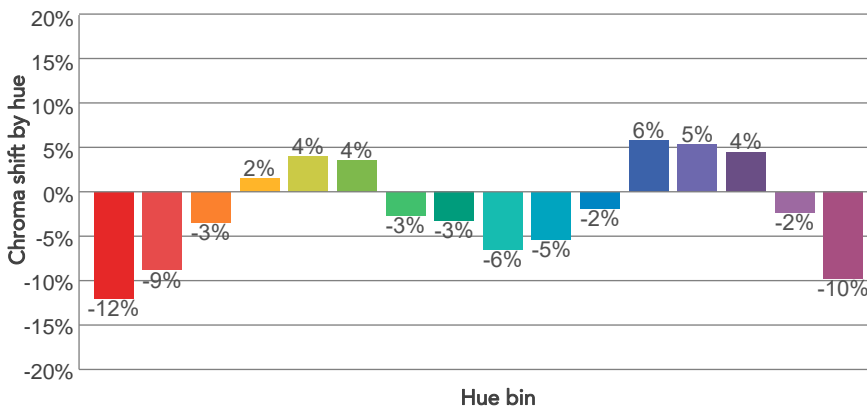
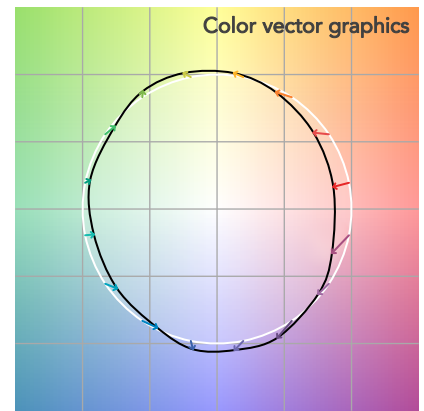
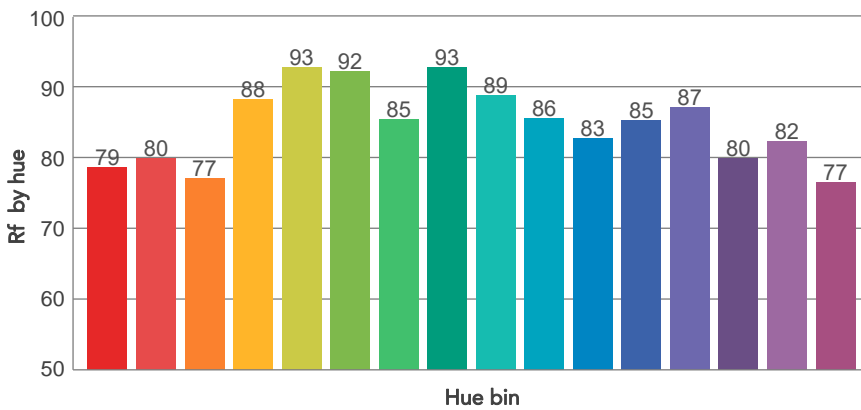
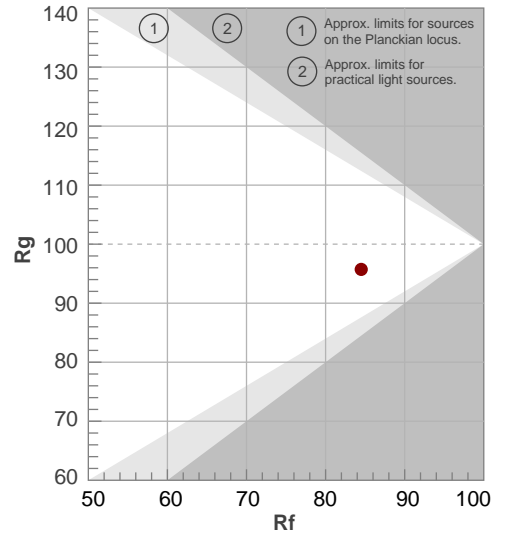
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2764 K	81,5	0,9	84,5	95,7	81,2	64	0,457	0,413	0,0013

TM30 DETAILS

Rf 84,5
Fidelity index Rf

Rg 95,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	77	-3%	12%
4	88	2%	7%
5	93	4%	5%
6	92	4%	-3%
7	85	-3%	-9%
8	93	-3%	-3%
9	89	-6%	1%
10	86	-5%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-16%

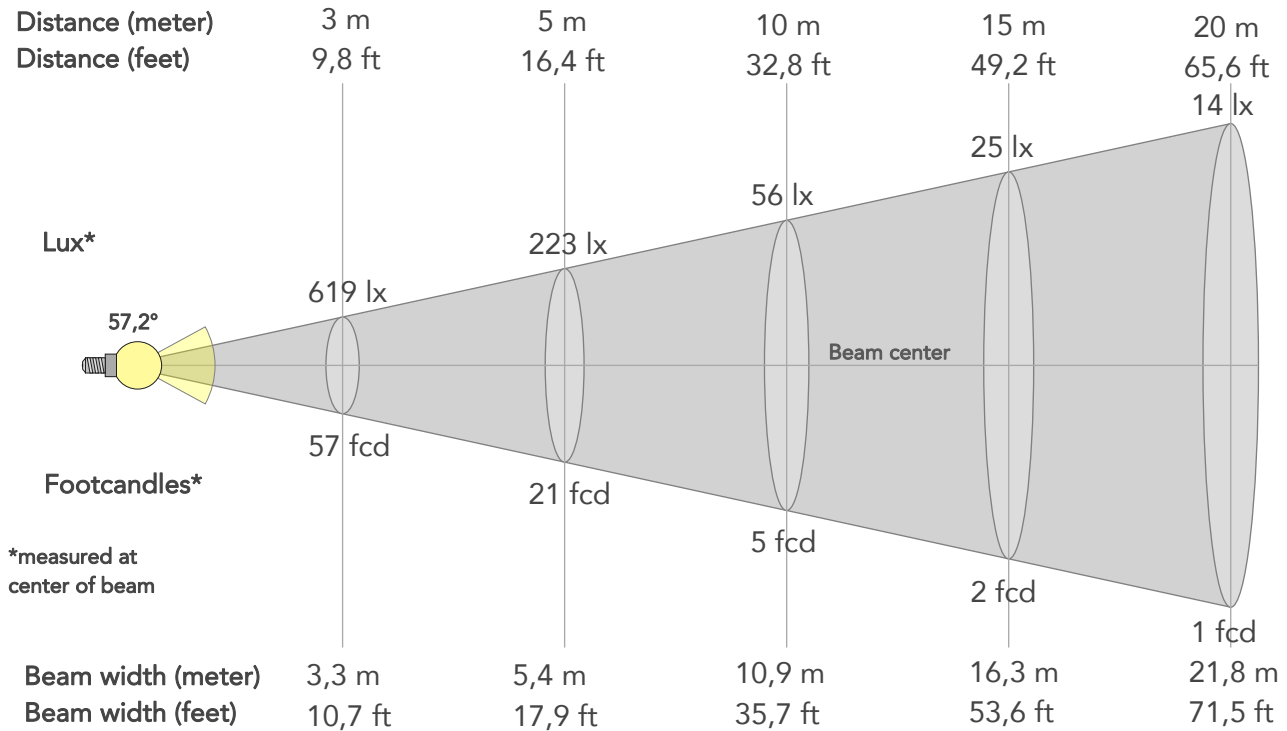


Color Evaluation Sample

BEAM DETAILS



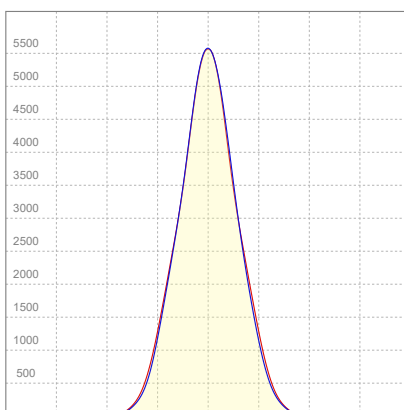
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,2°	109,1°	136,4°	95,8%	81,3%



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	5570lx	1393lx	619lx	348lx	223lx	99lx	56lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	517fcd	129fcd	57fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,4m	8,2m	10,9m	16,3m	21,8m	27,2m	32,7m	43,6m	54,5m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,8ft	35,7ft	53,6ft	71,5ft	89,3ft	107,2ft	142,9ft	178,7ft

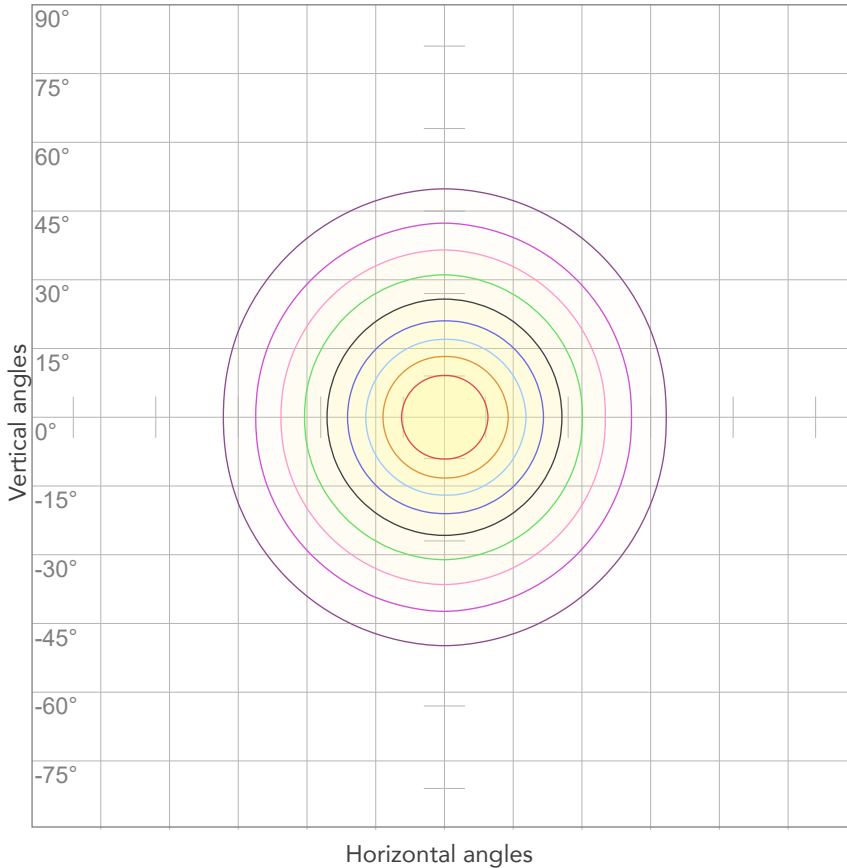
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,618A	128,4W	49lm/W

ISO CANDELA DIAGRAM



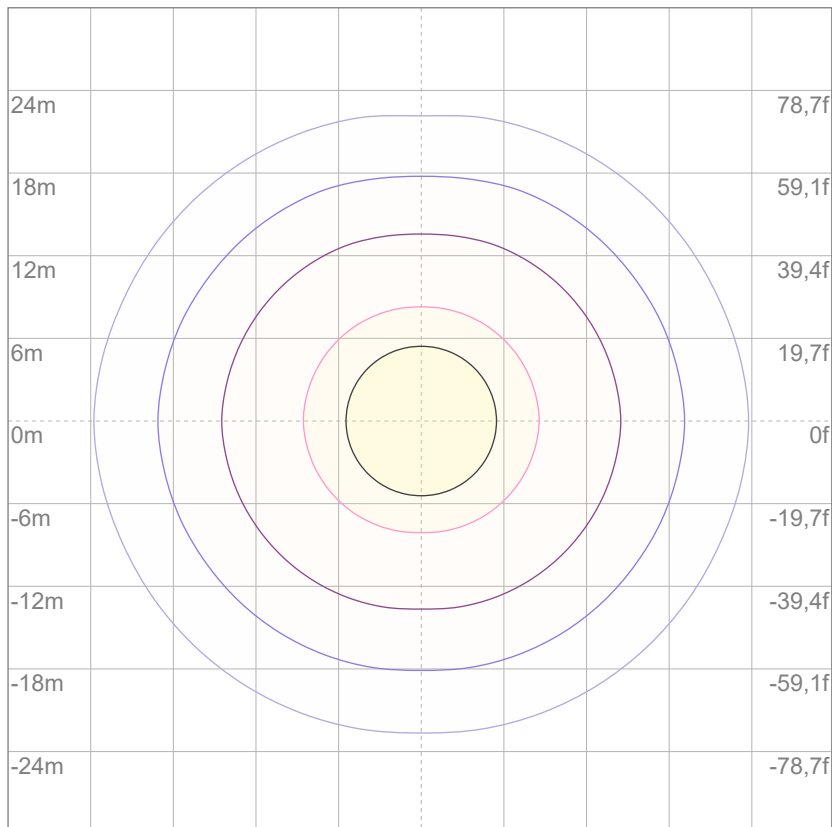
10%	557 cd
20%	1114 cd
30%	1671 cd
40%	2228 cd
50%	2785 cd
60%	3342 cd
70%	3899 cd
80%	4456 cd

Conditions:

Number of c-planes: 4

Candela at center: 5570 cd

ISO LUX DIAGRAM



3%	1,67 lx
5%	2,79 lx
10%	5,57 lx
30%	16,7 lx
50%	27,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 55,7 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

5598 lm

Peak candela output:

3709 cd

Light quality:

CRI: 81,5

Color temperature:

2760 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 80°

Target:

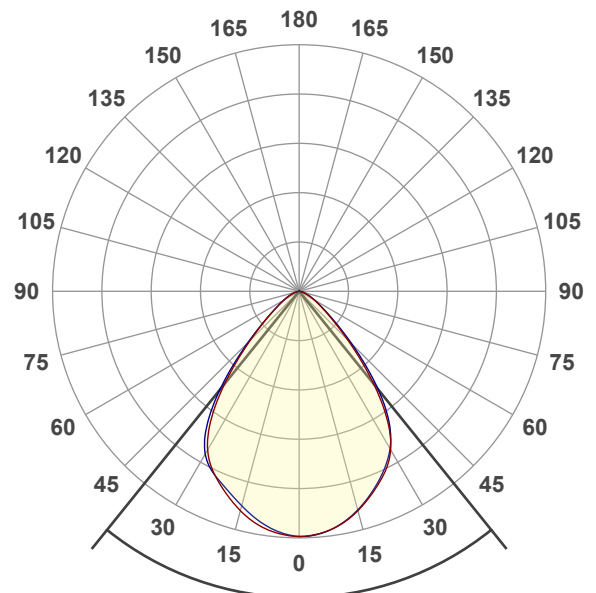
Warm White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:25:44



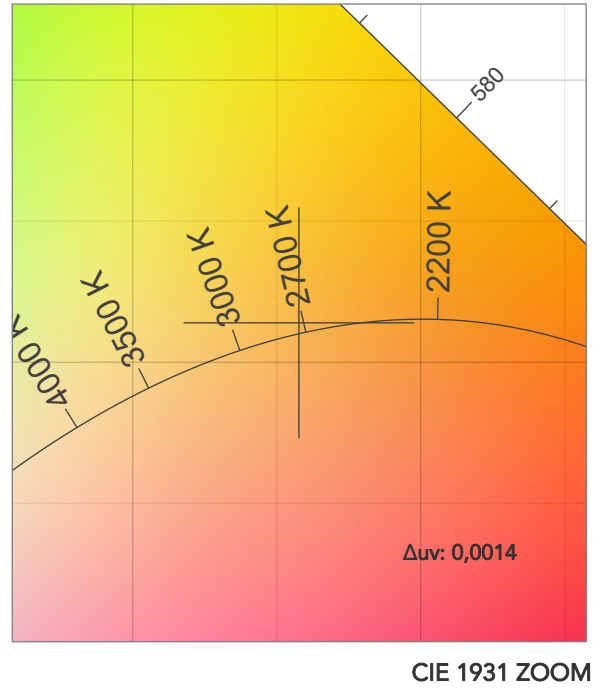
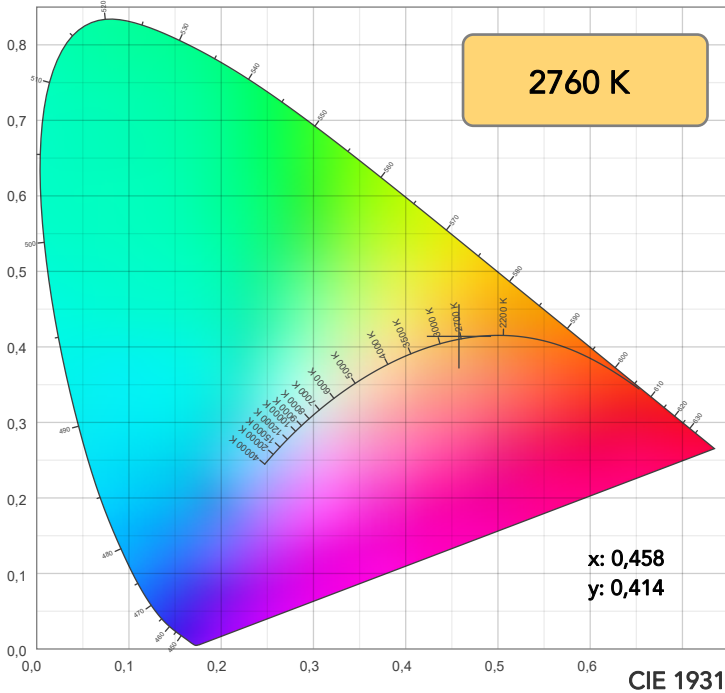
Beam angle 50%: 77,7°

Field angle 10%: 112,2°

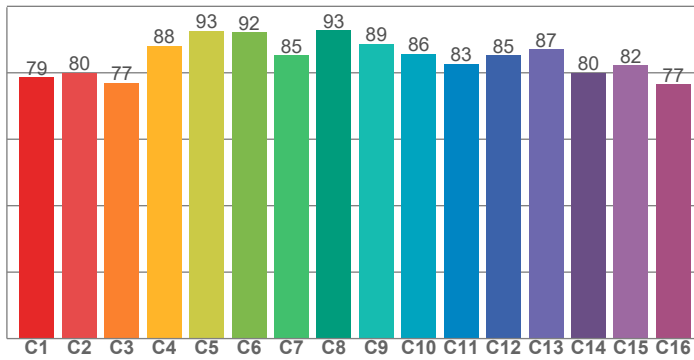
Cut off angle 2.5%: 142,4°

Spectra

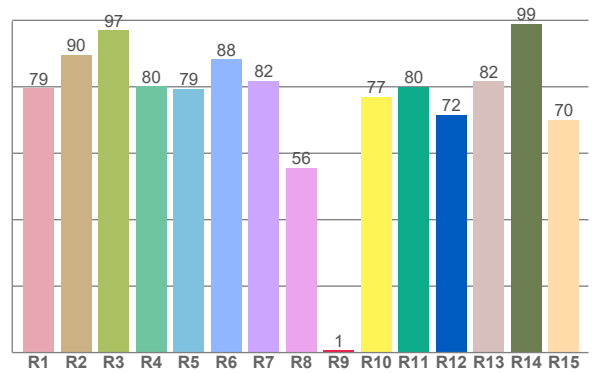




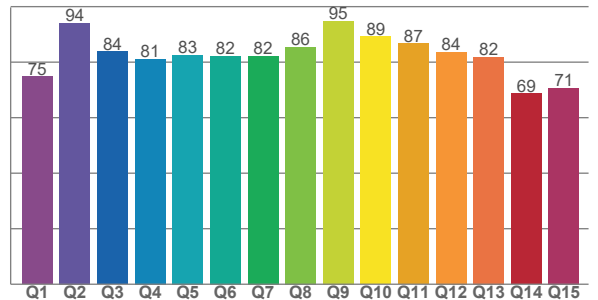
TM30: 84,5



CRI: 81,5 (R1-R8)



CQS: 81,2



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,5	89,7	97,1	80,2	79,4	88,4	81,9	55,6	0,7	77,0	80,1	71,5	81,8	99,0	70,1

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
78,6	79,9	77,0	88,1	92,6	92,1	85,2	92,8	88,8	85,6	82,8	85,2	87,0	79,9	82,2	76,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,8	94,1	83,8	81,1	82,6	82,2	82,2	85,5	94,8	89,3	86,7	83,7	81,9	68,7	70,8

COLOR PARAMETERS

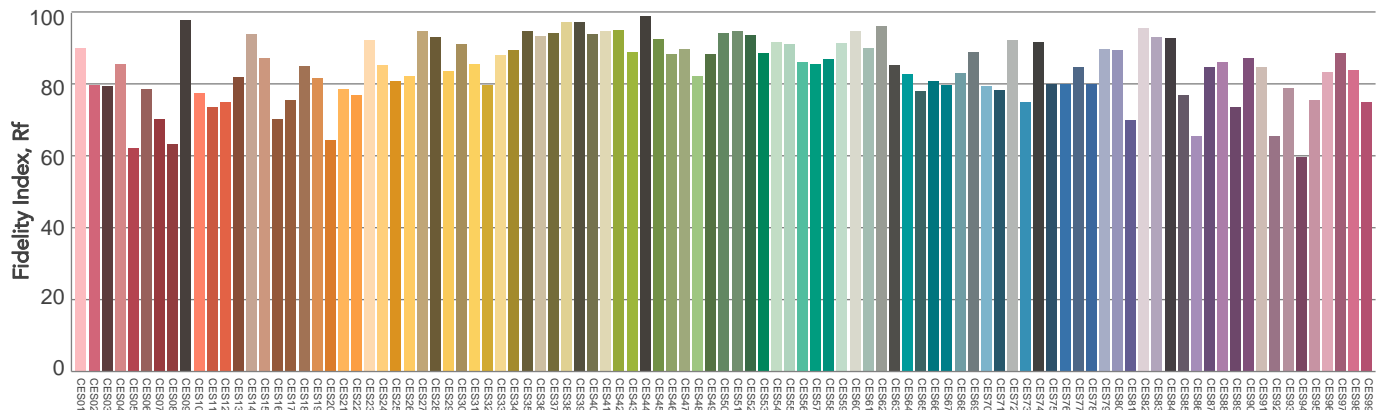
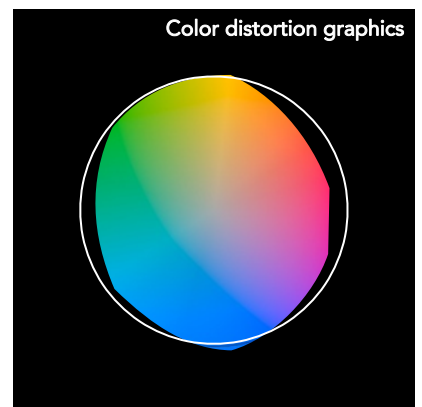
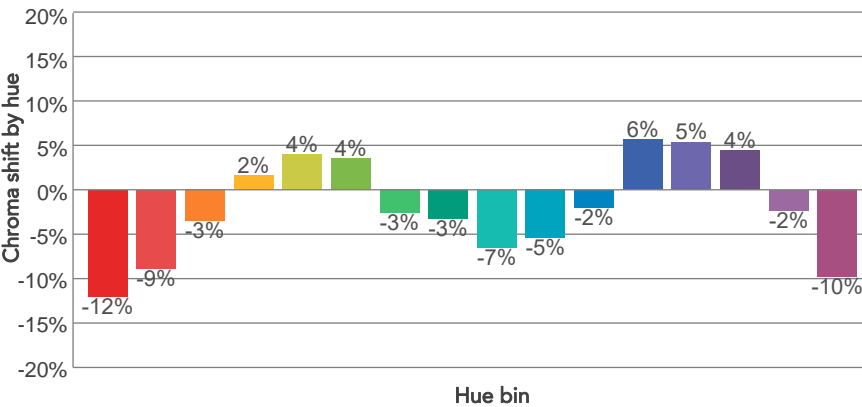
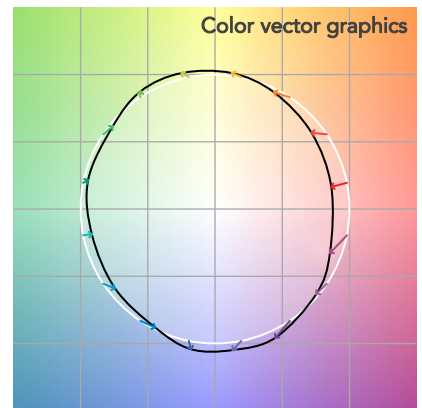
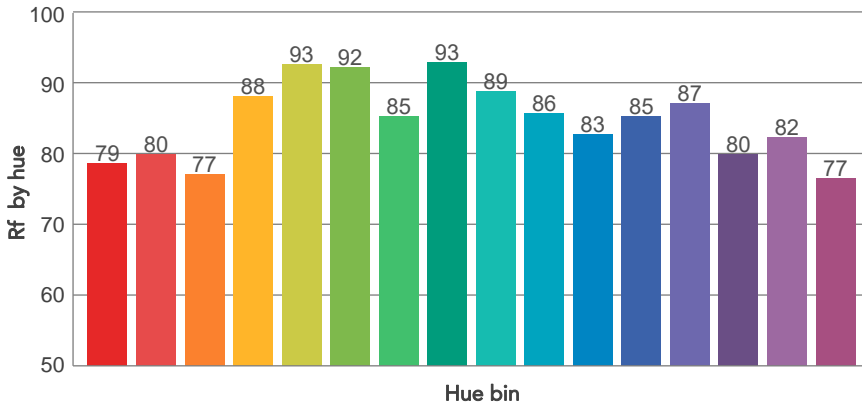
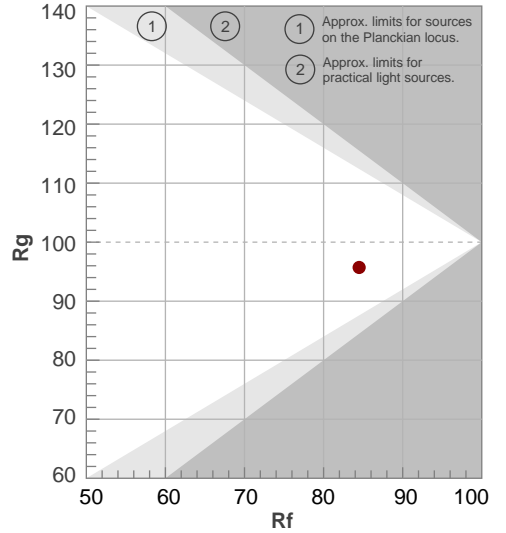
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2760 K	81,5	0,7	84,5	95,7	81,2	64	0,458	0,414	0,0014

TM30 DETAILS

Rf 84,5
Fidelity index Rf

Rg 95,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	77	-3%	12%
4	88	2%	8%
5	93	4%	5%
6	92	4%	-3%
7	85	-3%	-9%
8	93	-3%	-3%
9	89	-7%	1%
10	86	-5%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

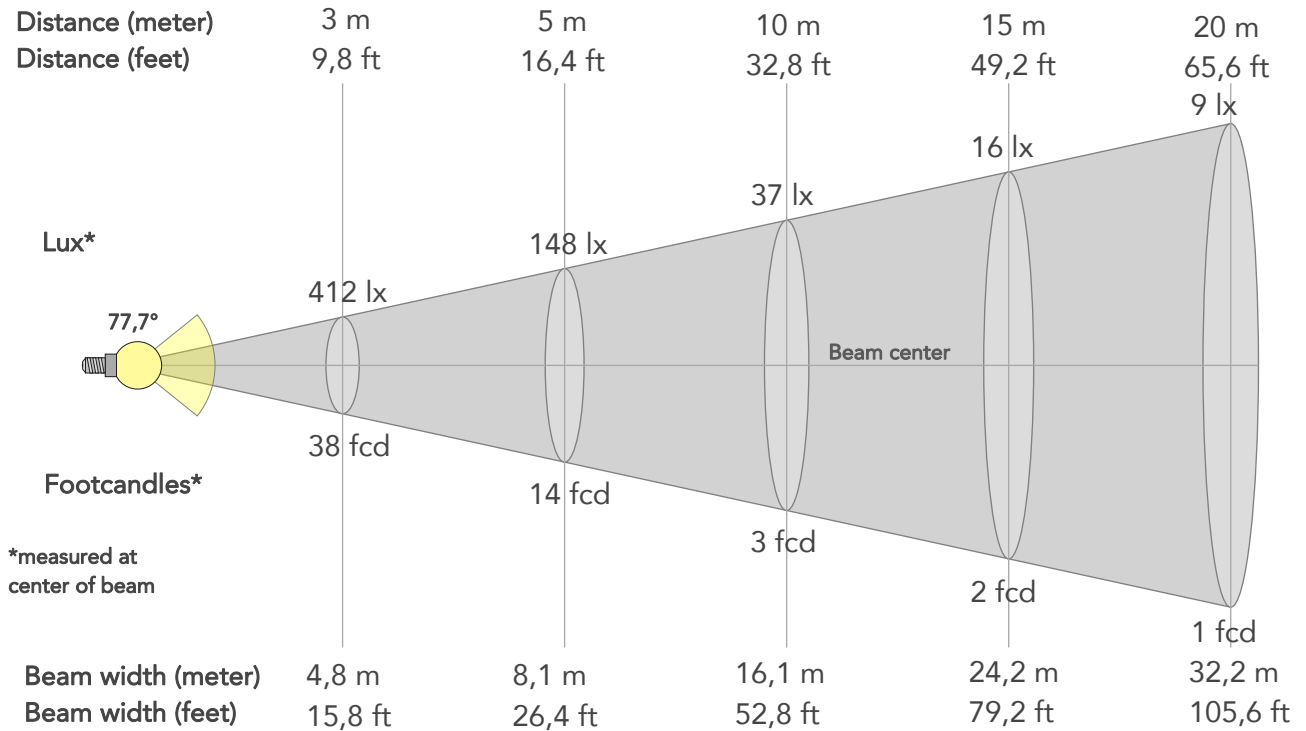


Color Evaluation Sample

BEAM DETAILS



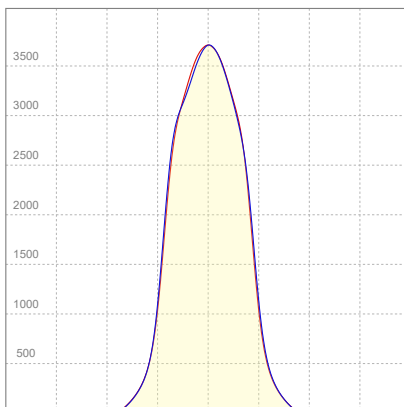
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,7°	112,2°	142,4°	95,8%	83,0%



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	3709lx	927lx	412lx	232lx	148lx	66lx	37lx	16lx	9lx	6lx	4lx	2lx	1lx
Footcand.	345fcd	86fcd	38fcd	22fcd	14fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,4m	8,1m	12,1m	16,1m	24,2m	32,2m	40,3m	48,3m	64,4m	80,5m
Beam wid.	5,3ft	10,6ft	15,8ft	21,1ft	26,4ft	39,6ft	52,8ft	79,2ft	105,6ft	132ft	158,4ft	211,3ft	264,1ft

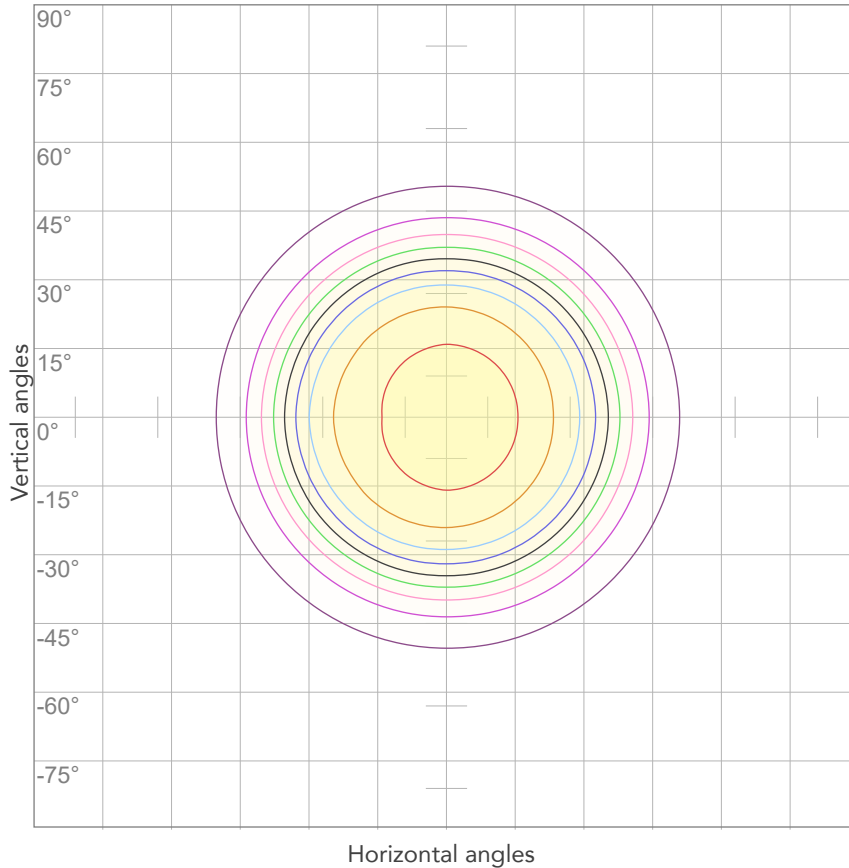
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,621A	128,8W	43lm/W

ISO CANDELA DIAGRAM



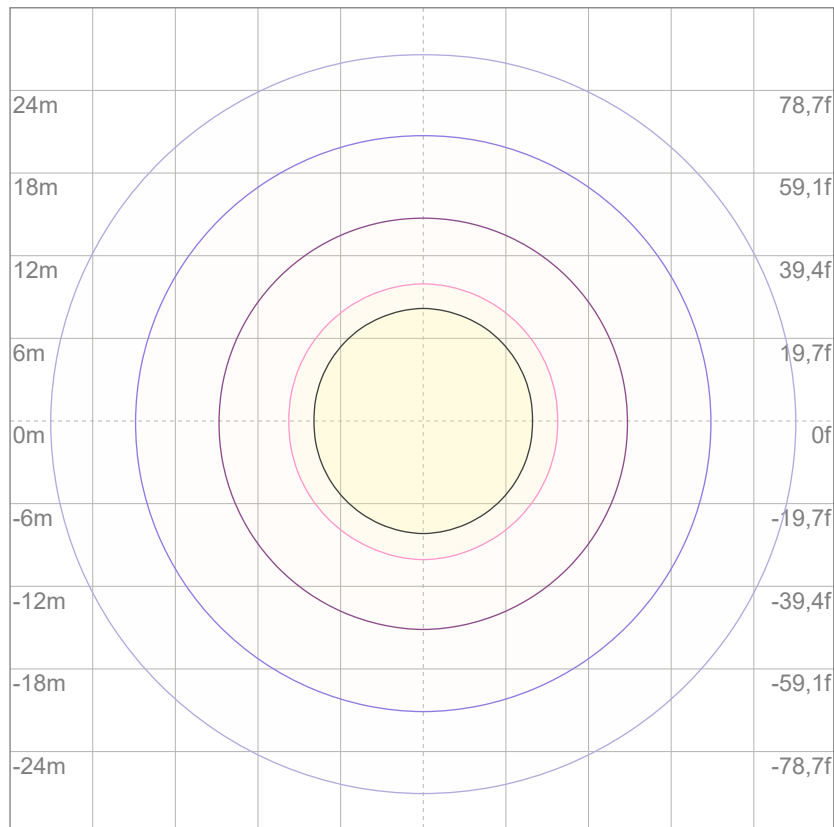
10%	371 cd
20%	742 cd
30%	1113 cd
40%	1483 cd
50%	1854 cd
60%	2225 cd
70%	2596 cd
80%	2967 cd

Conditions:

Number of c-planes: 4

Candela at center: 3709 cd

ISO LUX DIAGRAM



3%	1,11 lx
5%	1,85 lx
10%	3,71 lx
30%	11,1 lx
50%	18,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 37,1 lx

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



Total lumen output:

12178 lm

Peak candela output:

23260 cd

Light quality:

CRI: 81,5

Color temperature:

2752 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 10°x60°

Target:

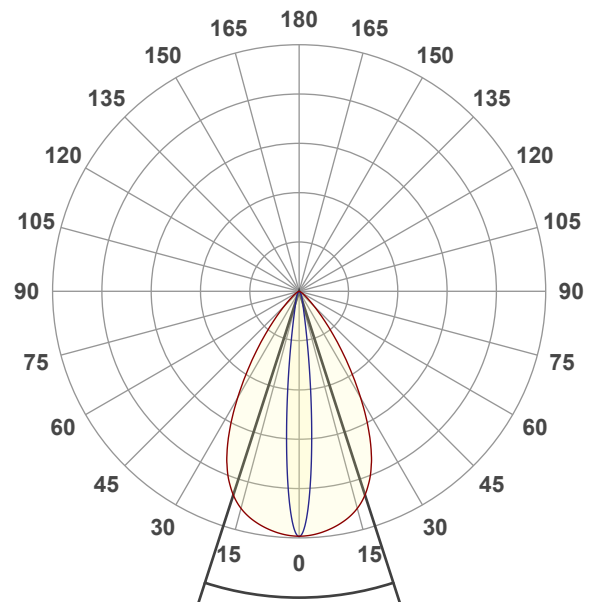
Warm White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:39:06

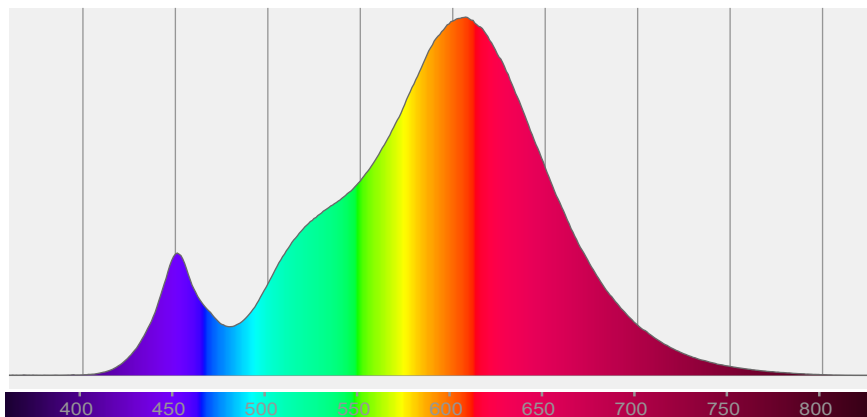


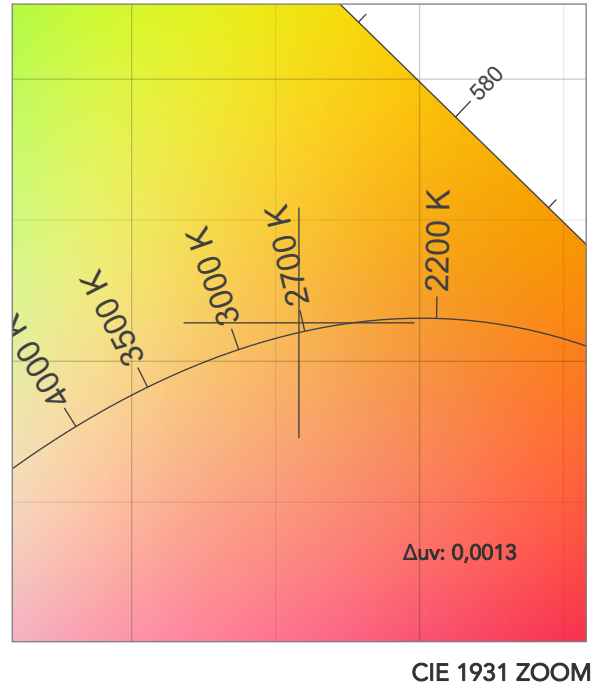
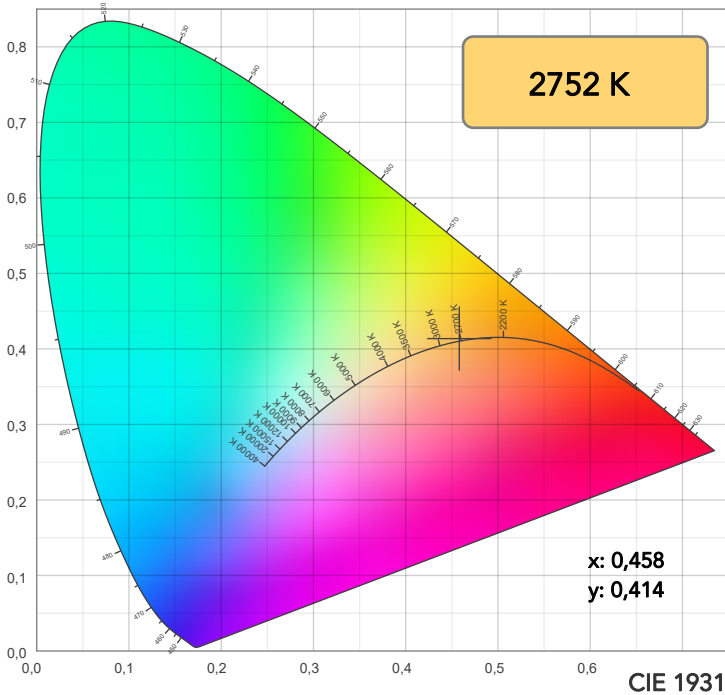
Beam angle 50%: 35,8°

Field angle 10%: 56,3°

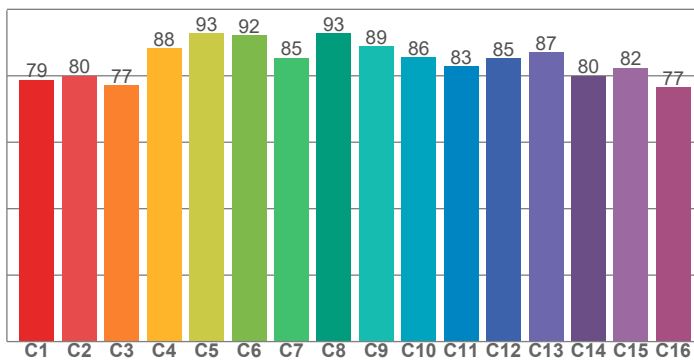
Cut off angle 2.5%: 78,7°

Spectra

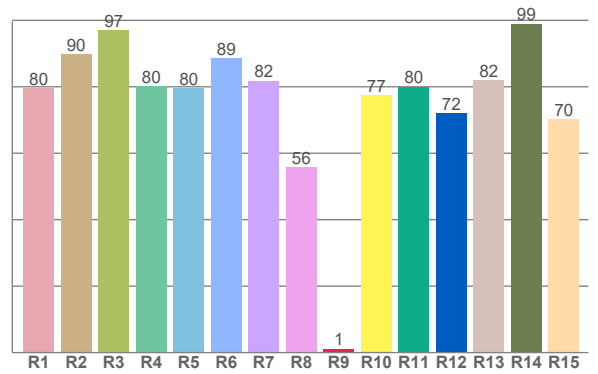




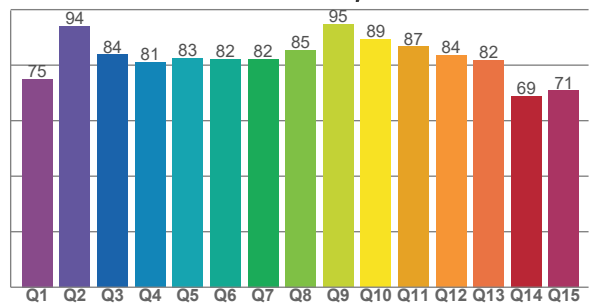
TM30: 84,6



CRI: 81,5 (R1-R8)



CQS: 81,3



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,6	89,9	97,0	80,1	79,6	88,6	81,8	55,7	1,2	77,4	80,0	71,9	81,9	99,0	70,3

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,7	80,0	77,1	88,3	92,8	92,2	85,4	92,8	88,8	85,5	82,8	85,3	87,0	79,9	82,4	76,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,9	94,0	83,8	81,0	82,6	82,3	82,2	85,4	94,7	89,3	86,7	83,7	81,9	68,9	70,9

COLOR PARAMETERS

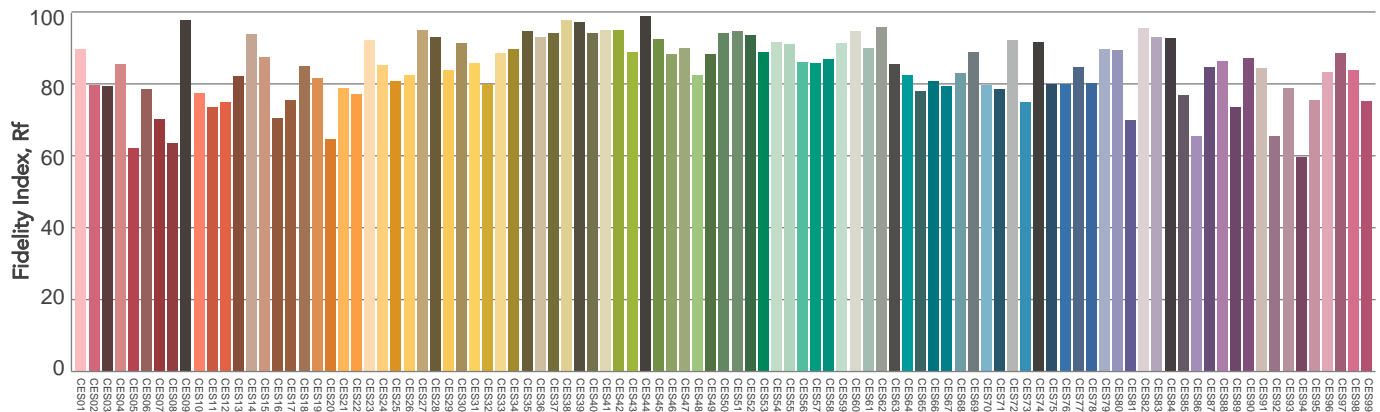
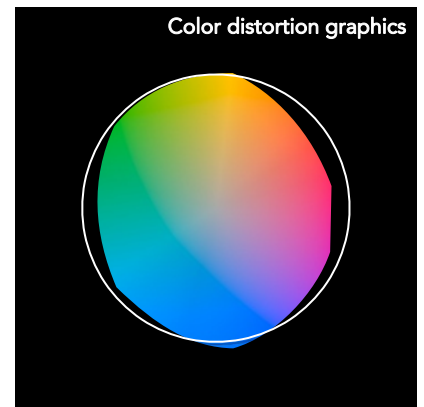
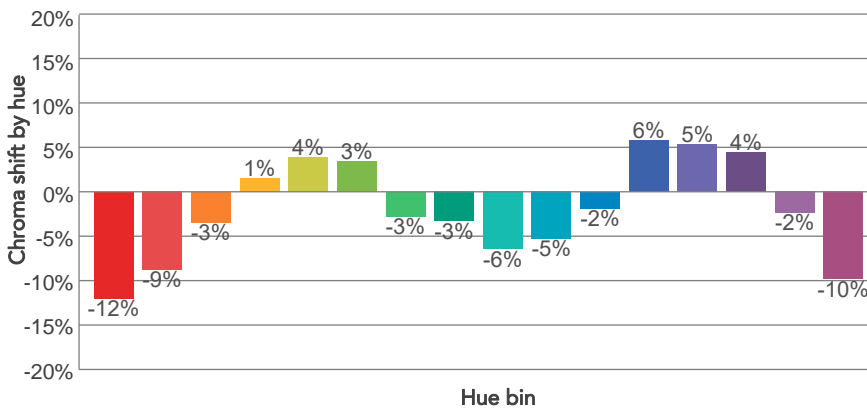
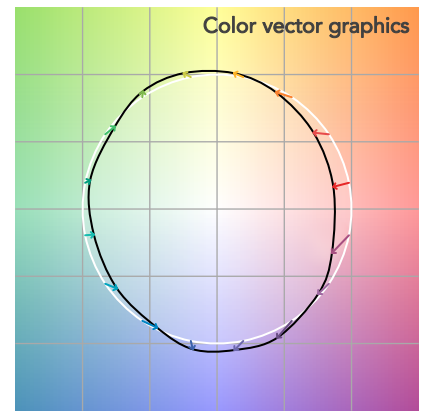
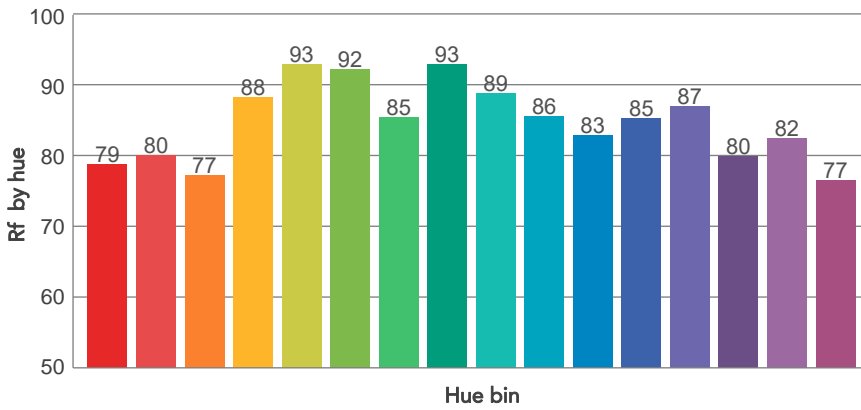
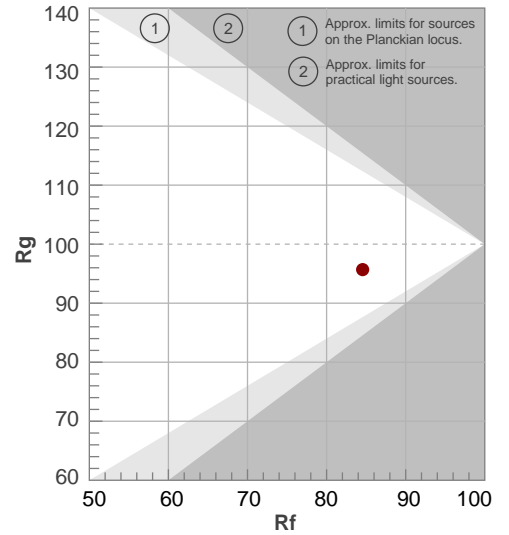
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2752 K	81,5	1,2	84,6	95,7	81,3	65	0,458	0,414	0,0013

TM30 DETAILS

Rf 84,6
Fidelity index Rf

Rg 95,7
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	77	-3%	12%
4	88	1%	7%
5	93	4%	5%
6	92	3%	-3%
7	85	-3%	-9%
8	93	-3%	-3%
9	89	-6%	1%
10	86	-5%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

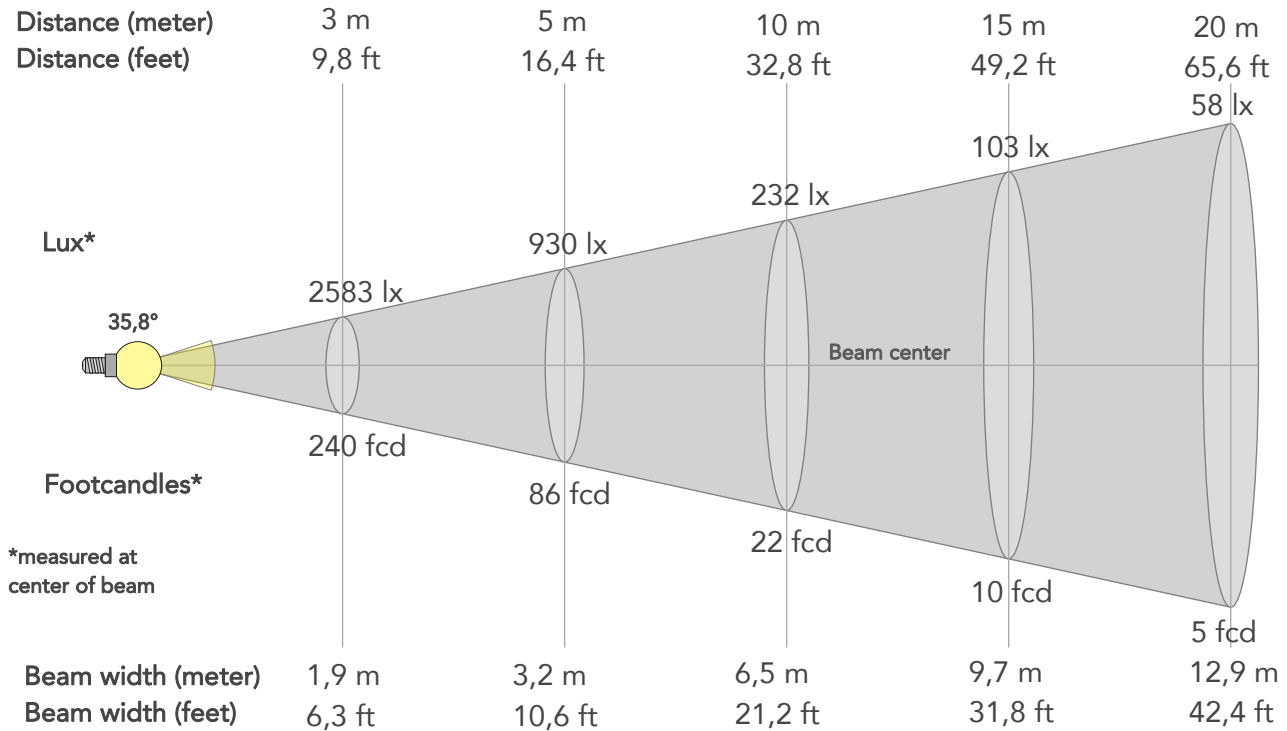


Color Evaluation Sample

BEAM DETAILS



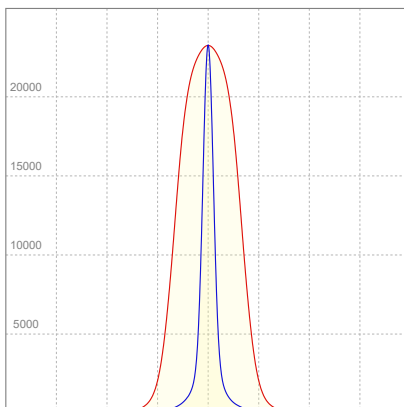
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,8°	56,3°	78,7°	99,1%	94,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	23245lx	5811lx	2583lx	1453lx	930lx	413lx	232lx	103lx	58lx	37lx	26lx	15lx	9lx
Footcand.	2160fcd	540fcd	240fcd	135fcd	86fcd	38fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,6m	3,2m	4,8m	6,5m	9,7m	12,9m	16,2m	19,4m	25,9m	32,3m
Beam wid.	2,1ft	4,3ft	6,3ft	8,5ft	10,6ft	15,9ft	21,2ft	31,8ft	42,4ft	53ft	63,6ft	84,8ft	106ft

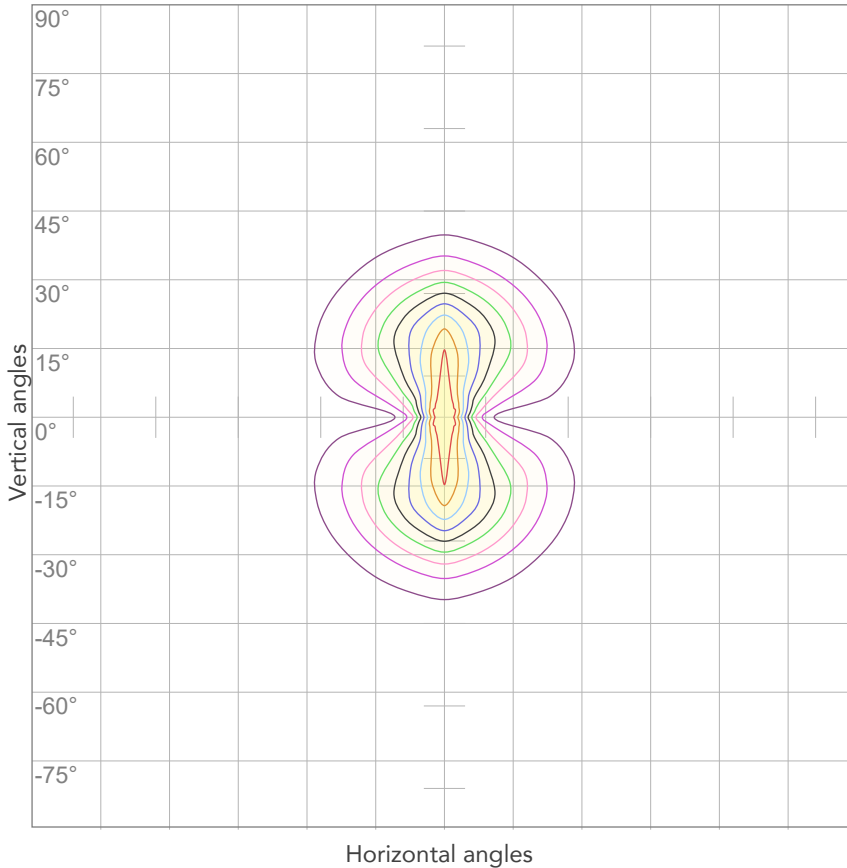
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,617A	128,2W	95lm/W

ISO CANDELA DIAGRAM



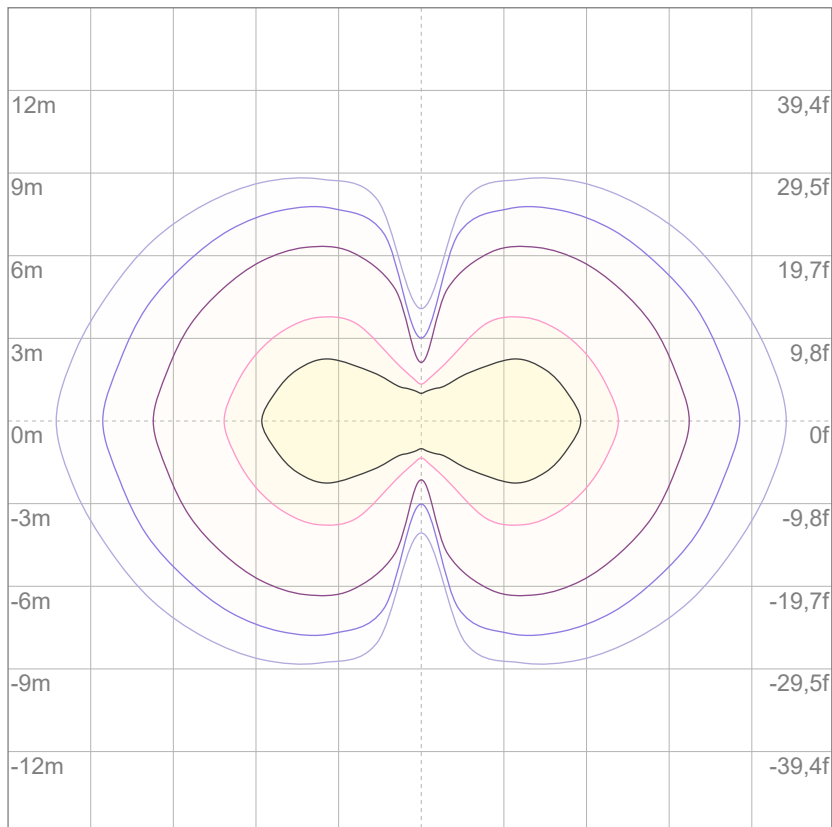
10%	2325 cd
20%	4649 cd
30%	6974 cd
40%	9298 cd
50%	11623 cd
60%	13947 cd
70%	16272 cd
80%	18596 cd

Conditions:

Number of c-planes: 4

Candela at center: 23245 cd

ISO LUX DIAGRAM



3%	6,97 lx
5%	11,6 lx
10%	23,2 lx
30%	69,7 lx
50%	116 lx

Conditions:

Number of c-planes: 4

Lux at center: 232 lx

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



Total lumen output:

8730 lm

Peak candela output:

12996 cd

Light quality:

CRI: 83,2

Color temperature:

7268 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°x60°

Target:

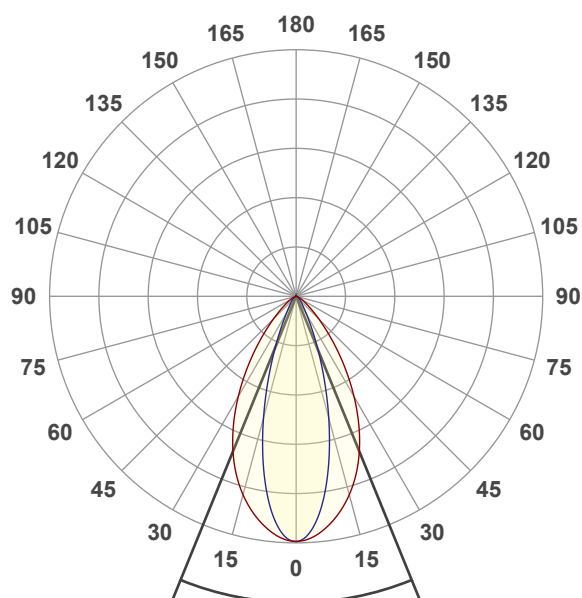
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 09:25:43

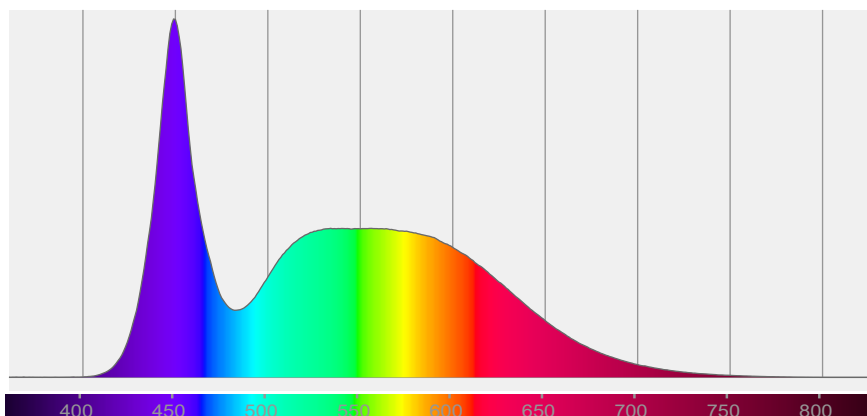


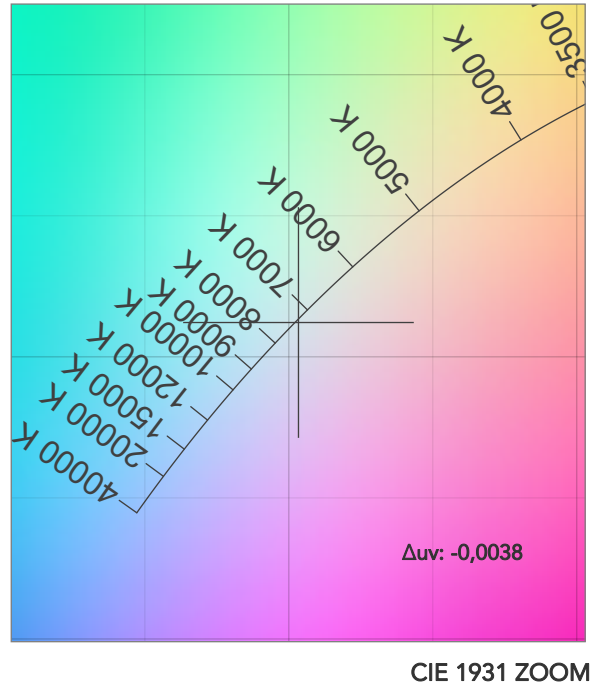
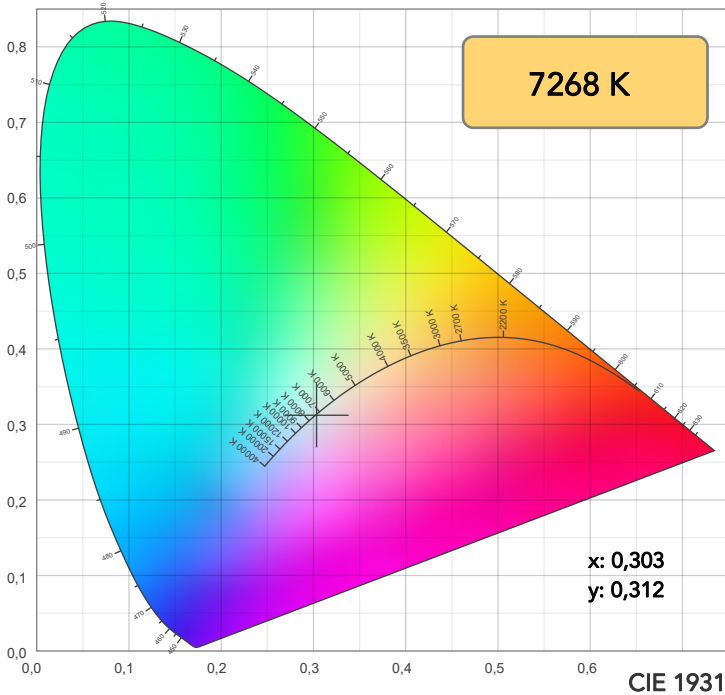
Beam angle 50%: 44,3°

Field angle 10%: 75,9°

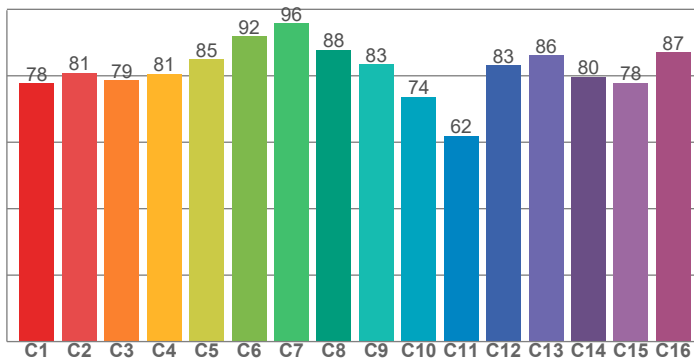
Cut off angle 2.5%: 104,8°

Spectra

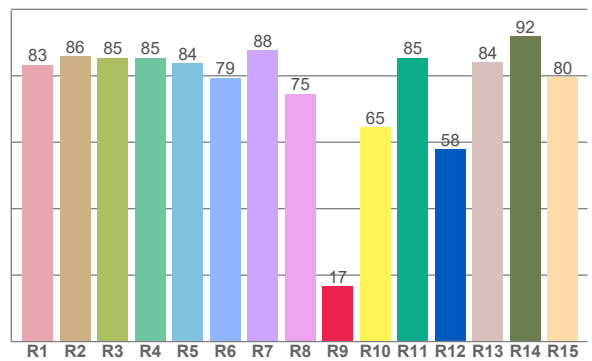




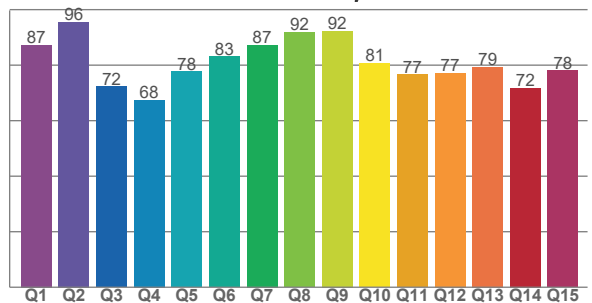
TM30: 81,9



CRI: 83,2 (R1-R8)



CQS: 79,6



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,4	85,8	85,5	85,5	83,8	79,4	87,7	74,6	16,6	64,5	85,4	57,8	84,0	92,0	79,6

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
77,7	81,0	78,6	80,5	84,9	91,8	95,7	87,8	83,5	73,6	61,9	83,1	86,1	79,6	77,8	87,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,2	95,5	72,3	67,5	77,7	83,1	87,3	91,8	92,3	80,7	76,6	77,2	79,3	71,7	78,0

COLOR PARAMETERS

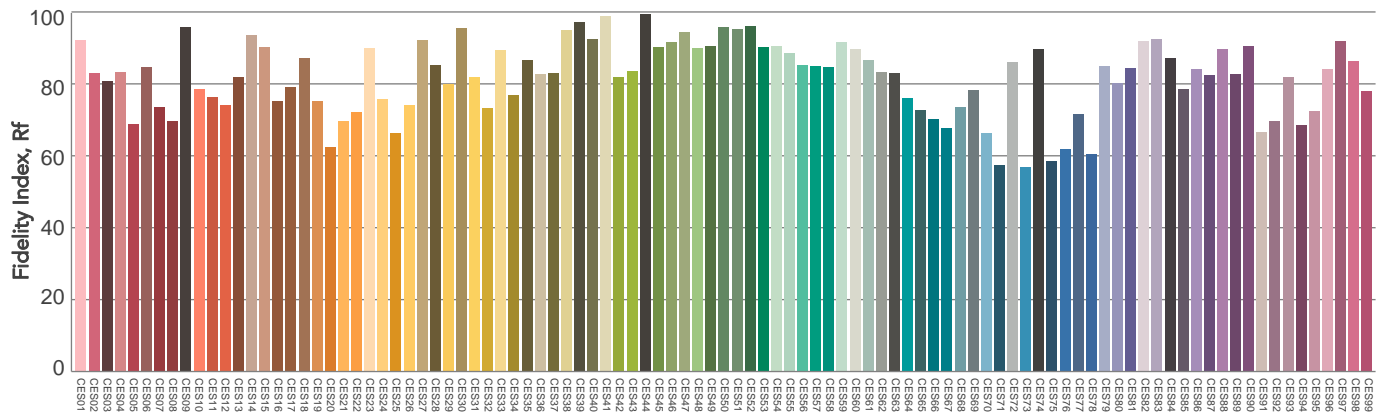
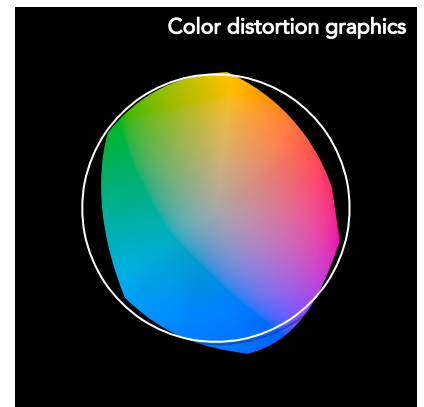
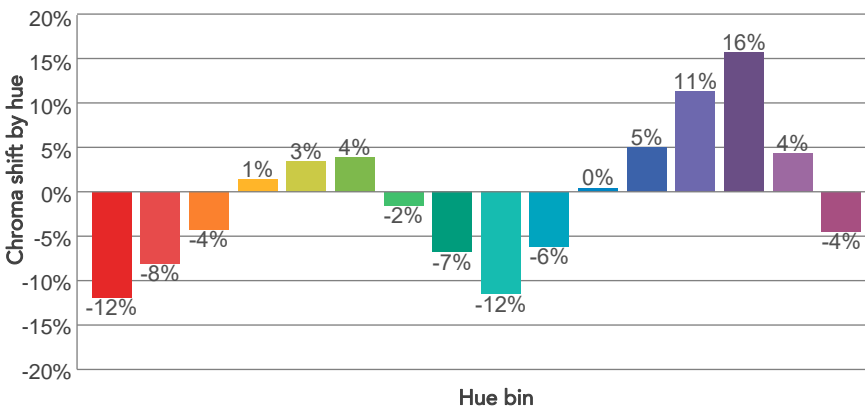
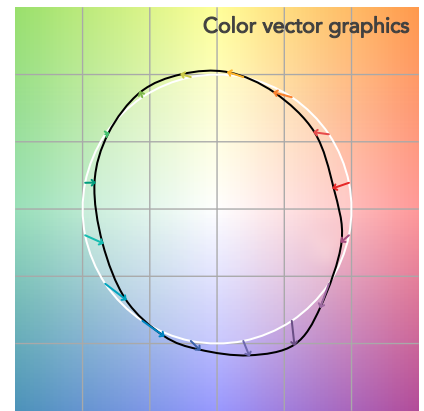
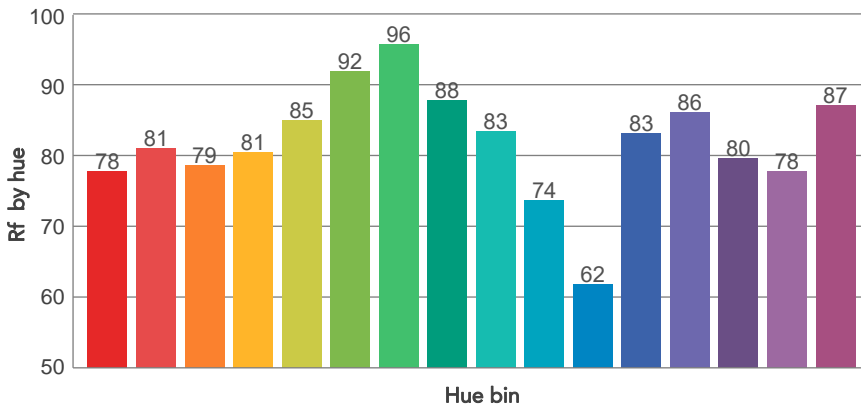
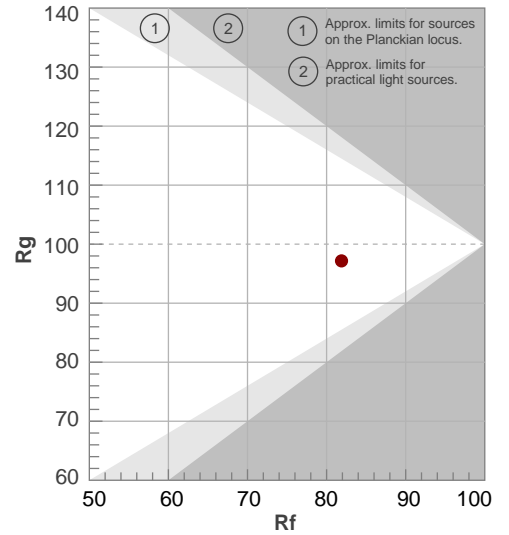
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7268 K	83,2	16,6	81,9	97,2	79,6	70	0,303	0,312	-0,0038

TM30 DETAILS

Rf 81,9
Fidelity index Rf

Rg 97,2
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-2%
2	81	-8%	7%
3	79	-4%	13%
4	81	1%	12%
5	85	3%	6%
6	92	4%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	83	-12%	8%
10	74	-6%	19%
12	83	5%	8%
13	86	11%	2%
14	80	16%	-8%
15	78	4%	-18%
16	87	-4%	-6%

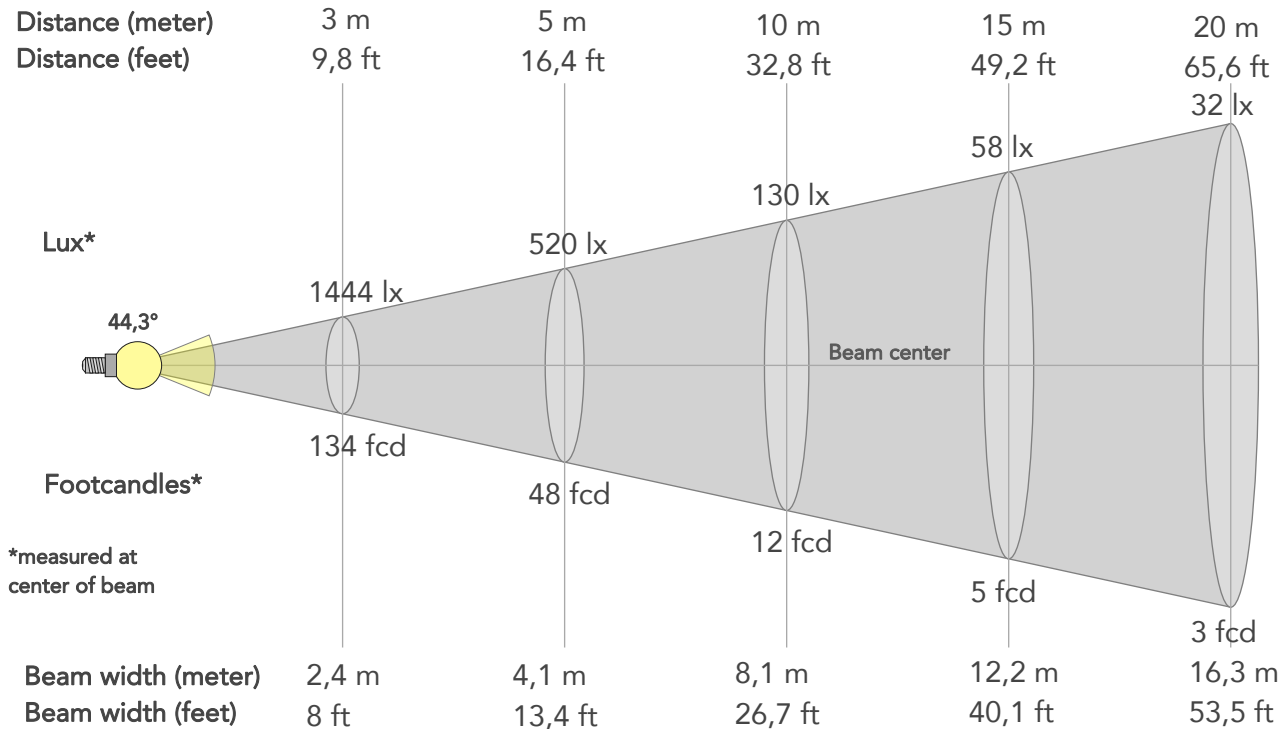


Color Evaluation Sample

BEAM DETAILS



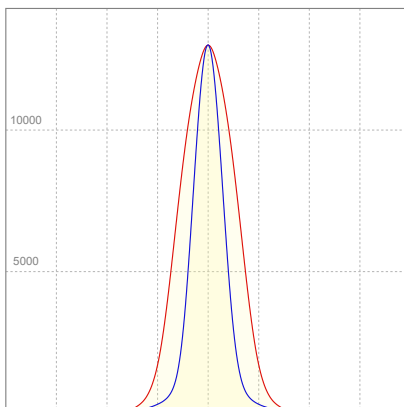
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	75,9°	104,8°	98,1%	90,4%



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	12996lx	3249lx	1444lx	812lx	520lx	231lx	130lx	58lx	32lx	21lx	14lx	8lx	5lx
Footcand.	1207fcd	302fcd	134fcd	75fcd	48fcd	21fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,4m	24,4m	32,6m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,4ft	20ft	26,7ft	40,1ft	53,5ft	66,8ft	80,2ft	106,9ft	133,6ft

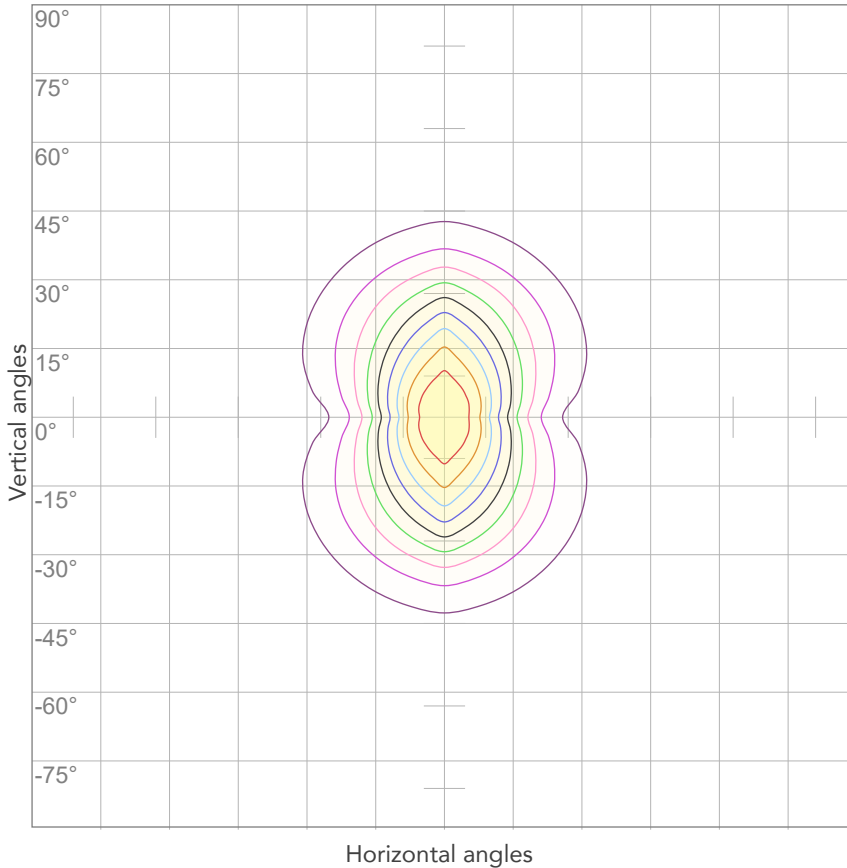
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	0,638A	131,6W	66lm/W

ISO CANDELA DIAGRAM



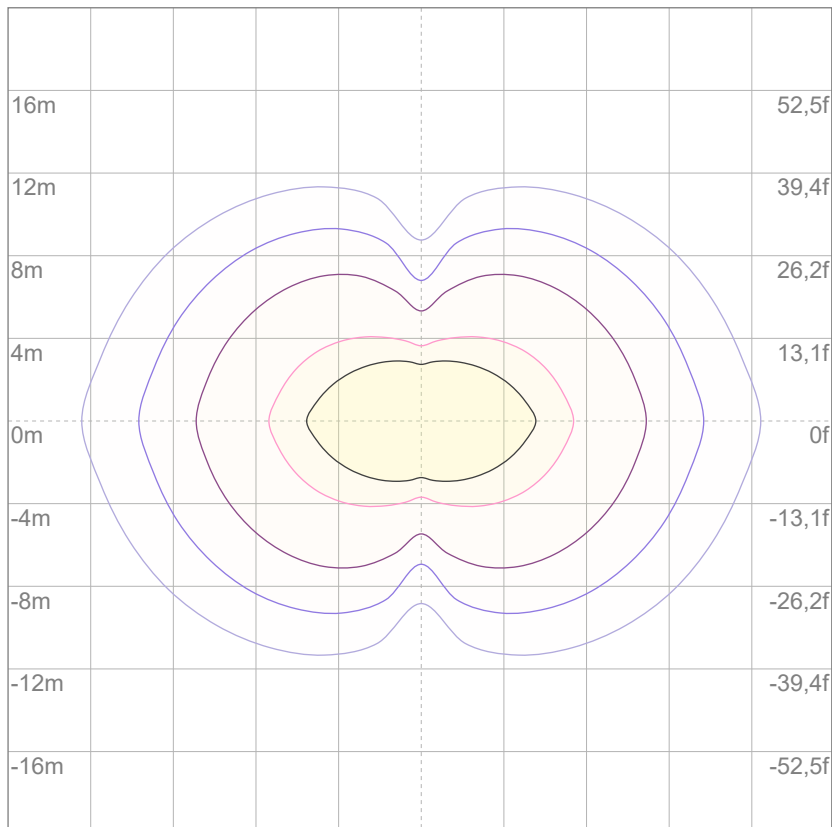
10%	1300 cd
20%	2599 cd
30%	3899 cd
40%	5198 cd
50%	6498 cd
60%	7798 cd
70%	9097 cd
80%	10397 cd

Conditions:

Number of c-planes: 4

Candela at center: 12996 cd

ISO LUX DIAGRAM



3%	3,90 lx
5%	6,50 lx
10%	13,0 lx
30%	39,0 lx
50%	65,0 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:

8547 lm

Peak candela output:

181206 cd

Light quality:

CRI: 84,0

Color temperature:

7335 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

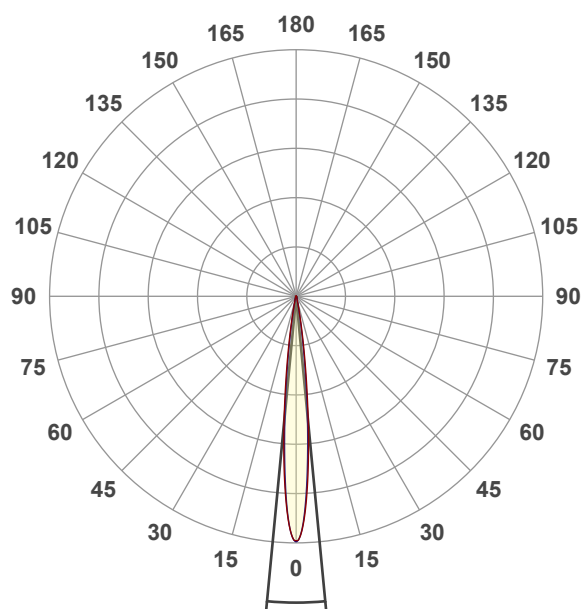
Cold White

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:18:39

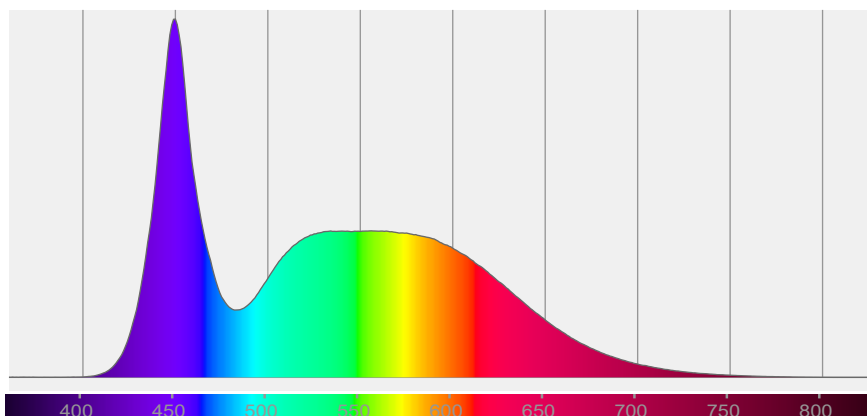


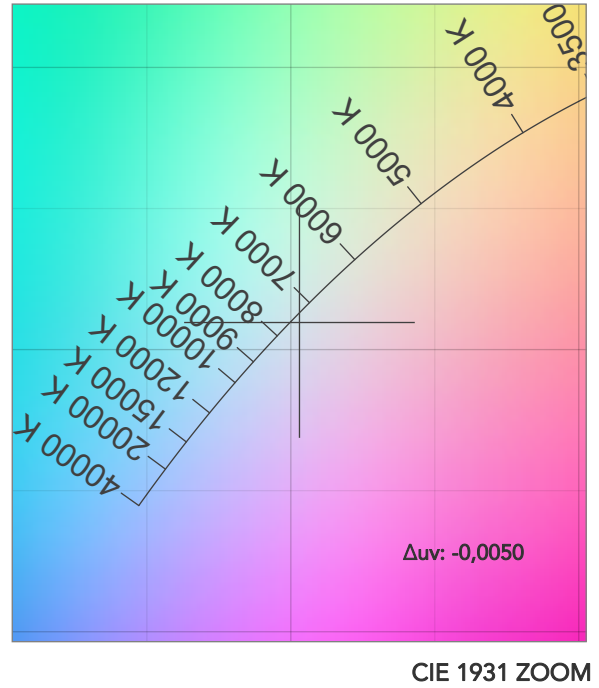
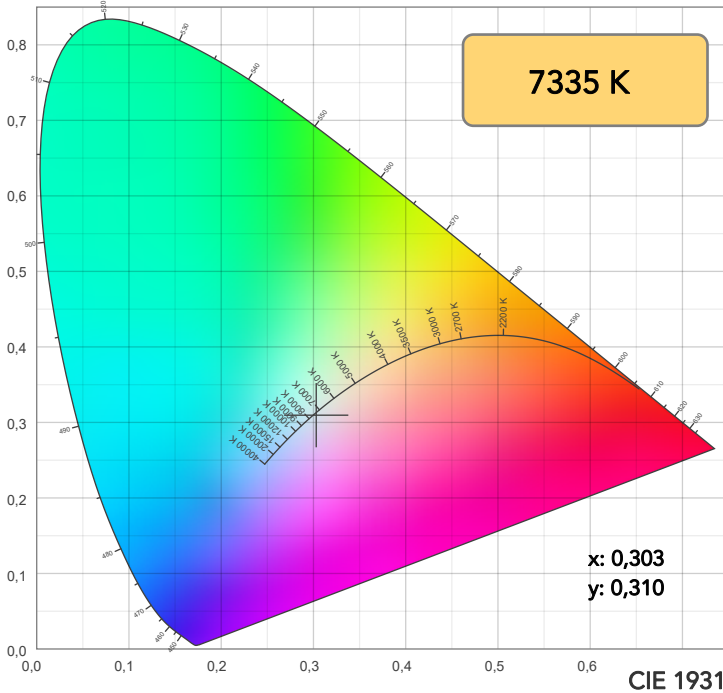
Beam angle 50%: 10,9°

Field angle 10%: 20°

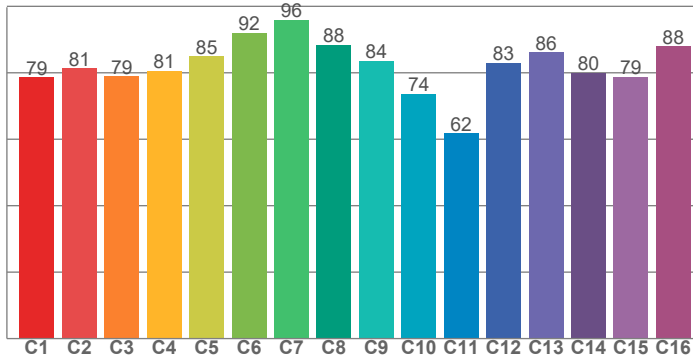
Cut off angle 2.5%: 27,6°

Spectra

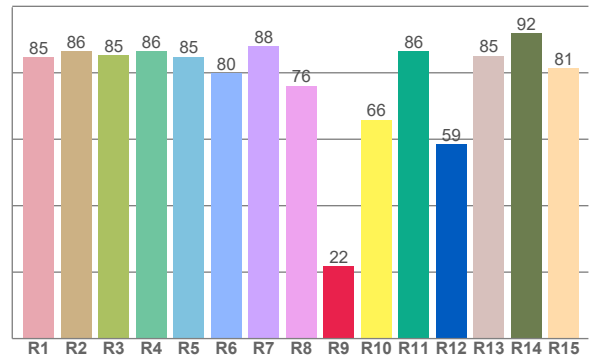




TM30: 82,2



CRI: 84,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84,6	86,5	85,4	86,5	84,8	79,9	88,1	76,1	21,8	65,8	86,5	58,6	85,1	91,9	81,5

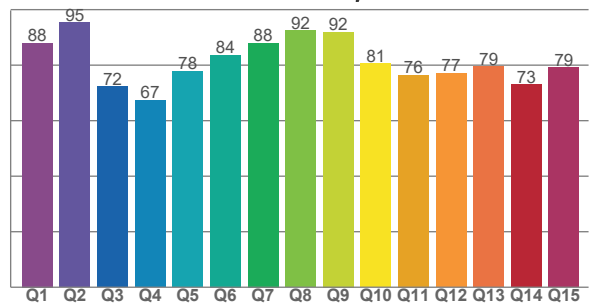
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,6	81,3	78,9	80,5	84,9	92,0	95,9	88,4	83,6	73,6	61,8	83,0	86,2	80,0	78,7	88,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,9	95,4	72,2	67,3	77,8	83,6	87,9	92,4	91,9	80,6	76,5	77,0	79,4	73,1	79,2

CQS: 79,9



COLOR PARAMETERS

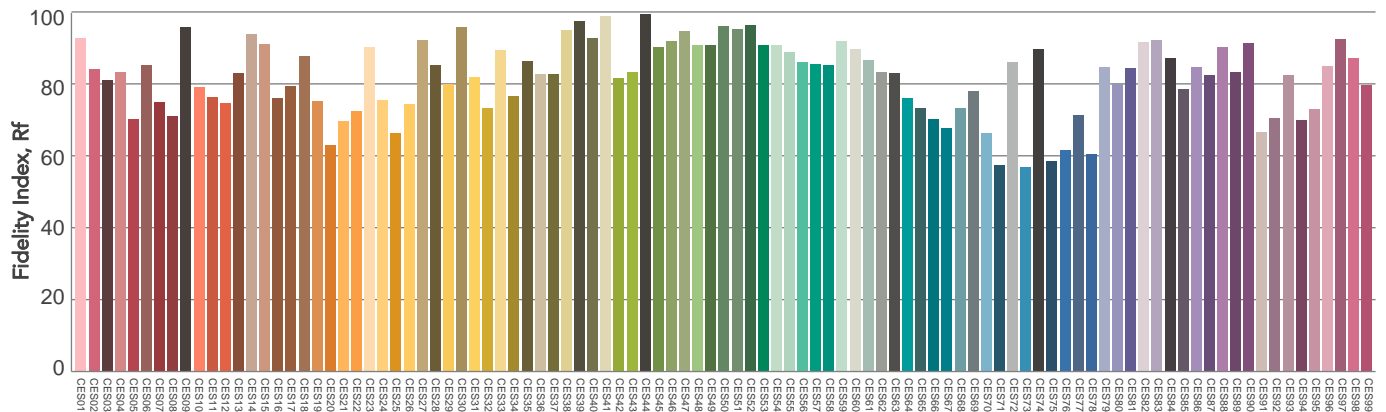
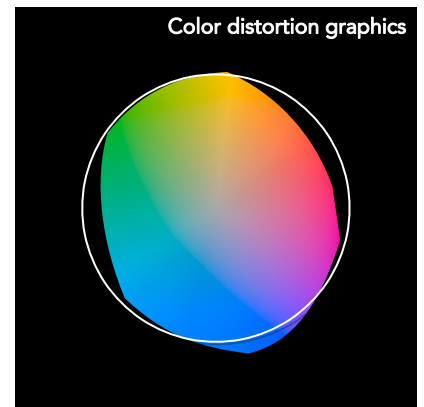
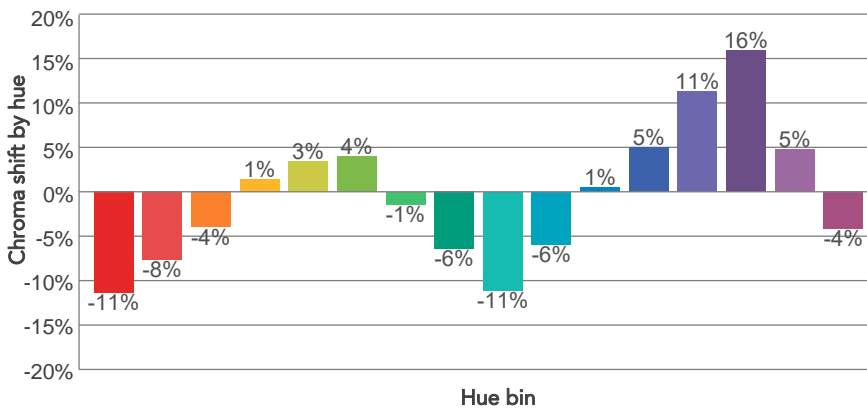
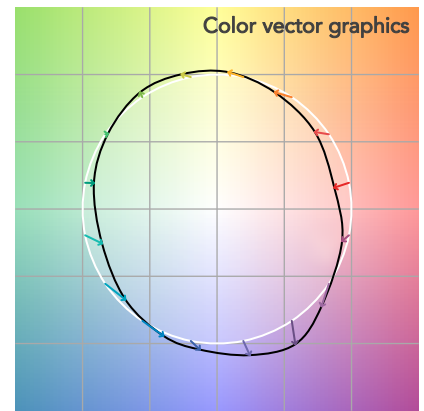
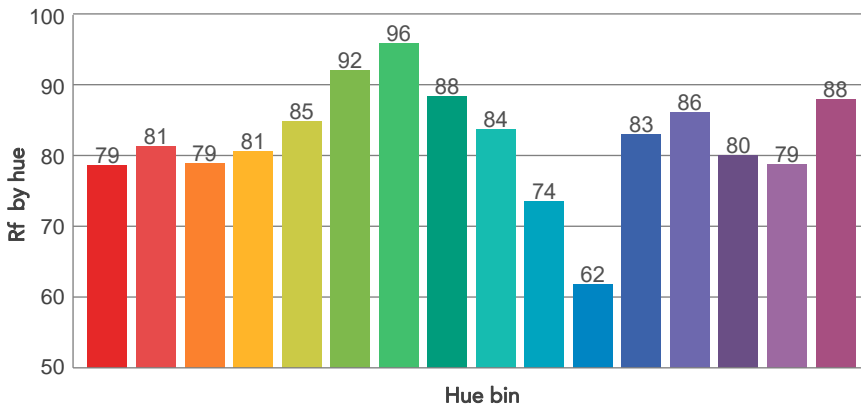
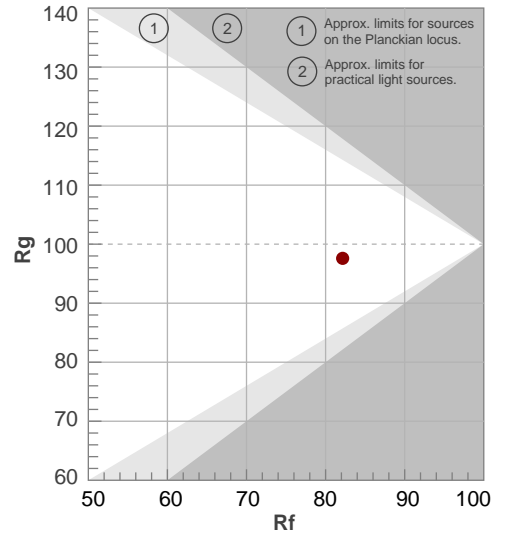
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7335 K	84,0	21,8	82,2	97,6	79,9	71	0,303	0,310	-0,0050

TM30 DETAILS

Rf 82,2
Fidelity index Rf

Rg 97,6
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	-1%
2	81	-8%	7%
3	79	-4%	12%
4	81	1%	12%
5	85	3%	6%
6	92	4%	-1%
7	96	-1%	-2%
8	88	-6%	-1%
9	84	-11%	8%
10	74	-6%	18%
11	62	1%	19%
12	83	5%	8%
13	86	11%	3%
14	80	16%	-7%
15	79	5%	-17%
16	88	-4%	-5%

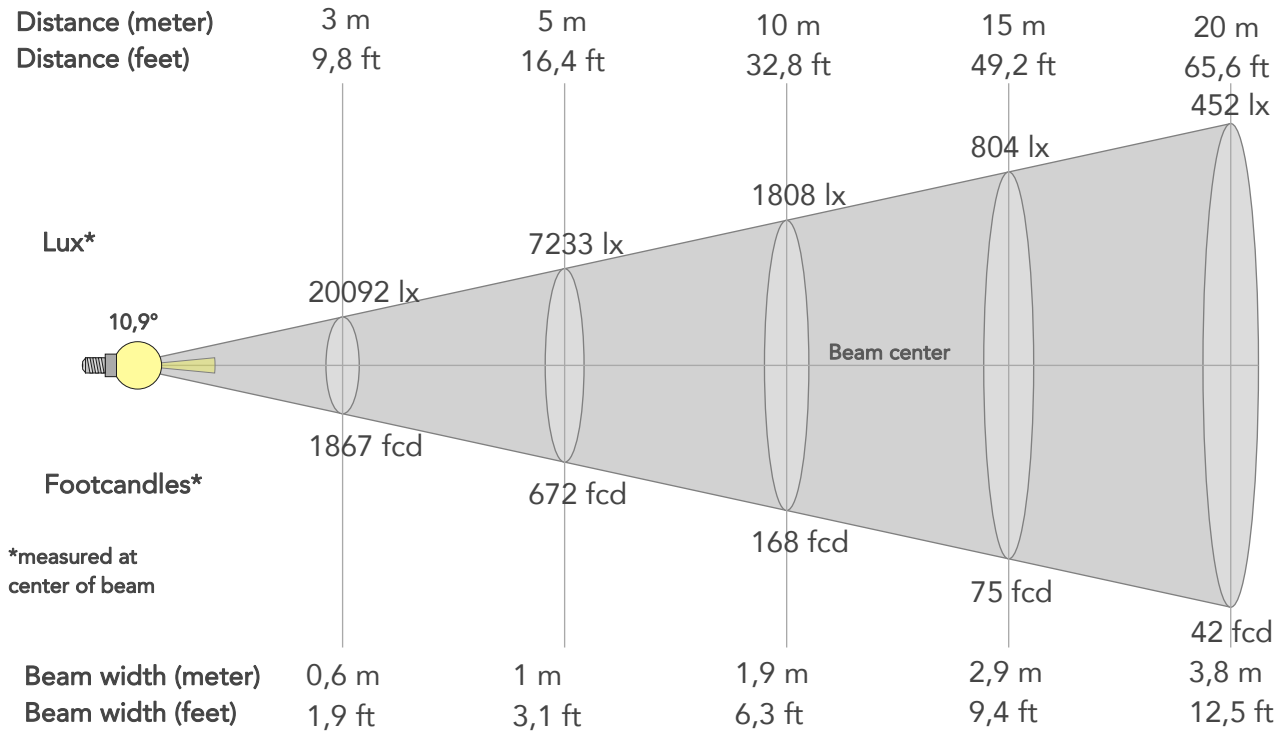


Color Evaluation Sample

BEAM DETAILS



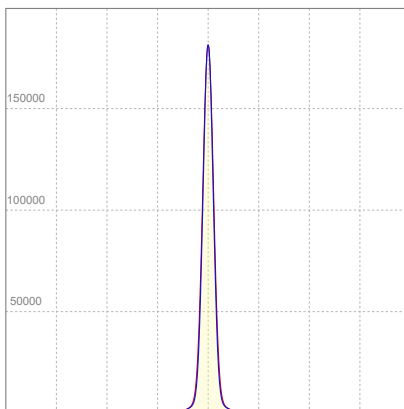
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10,9°	20°	27,6°	100,0%	100,0%



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	180830lx	45208lx	20092lx	11302lx	7233lx	3215lx	1808lx	804lx	452lx	289lx	201lx	113lx	72lx
Footcand.	16800fcd	4200fcd	1867fcd	1050fcd	672fcd	299fcd	168fcd	75fcd	42fcd	27fcd	19fcd	10fcd	7fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,4m	1,9m	2,9m	3,8m	4,8m	5,7m	7,6m	9,6m
Beam wid.	0,6ft	1,3ft	1,9ft	2,5ft	3,1ft	4,7ft	6,3ft	9,4ft	12,5ft	15,7ft	18,8ft	25,1ft	31,3ft

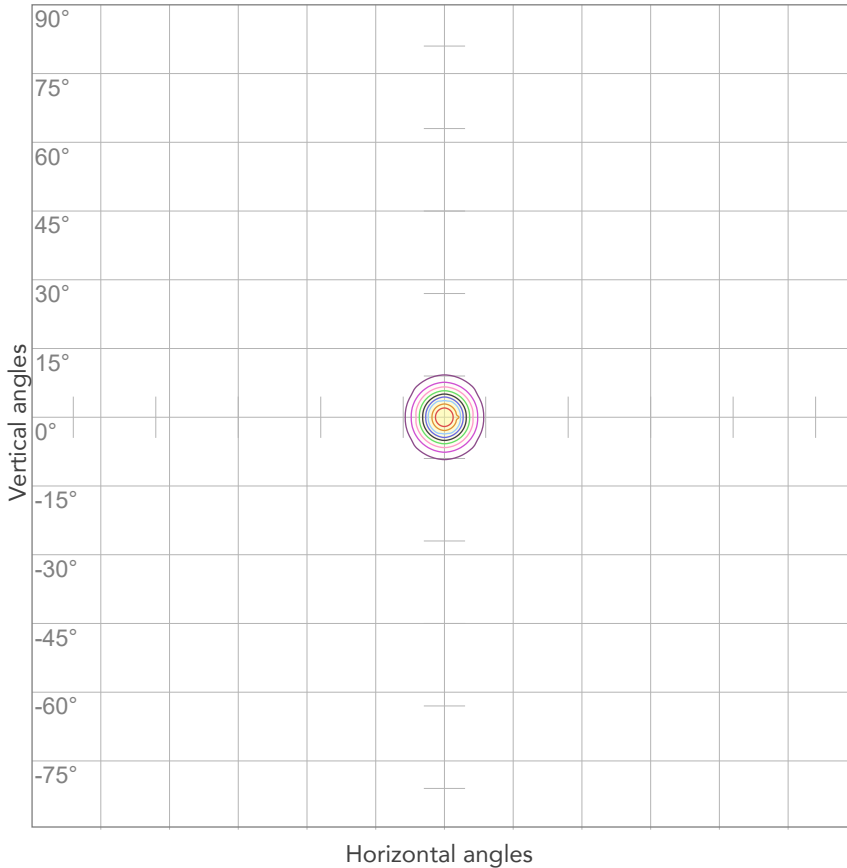
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,631A	131W	65lm/W

ISO CANDELA DIAGRAM



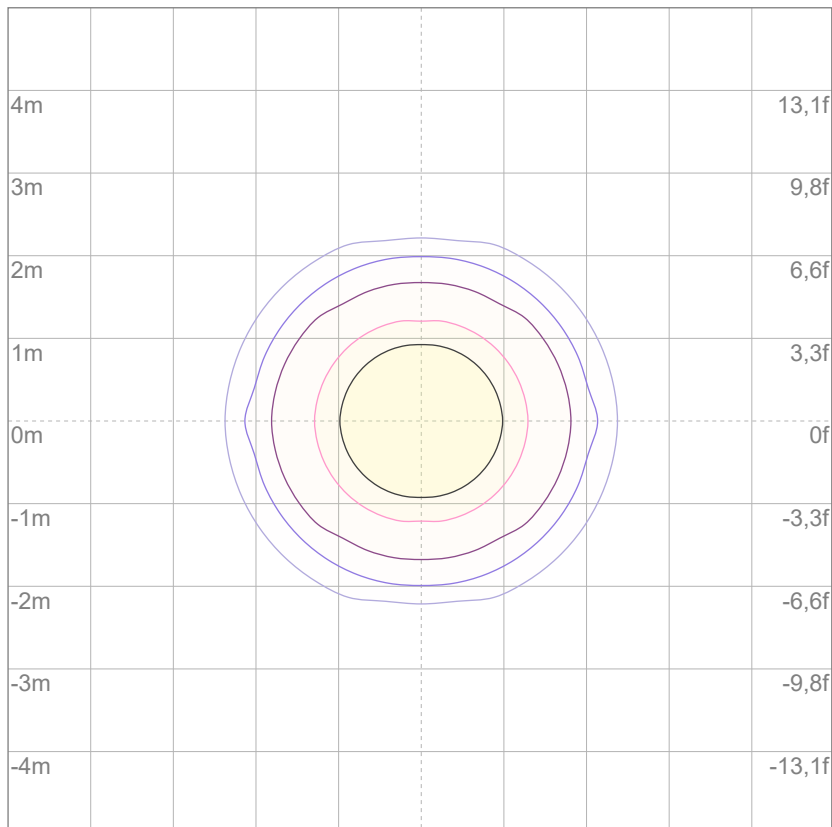
10%	18083 cd
20%	36166 cd
30%	54249 cd
40%	72332 cd
50%	90415 cd
60%	108498 cd
70%	126581 cd
80%	144664 cd

Conditions:

Number of c-planes: 4

Candela at center: 180830 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	54,2 lx
5%	90,4 lx
10%	181 lx
30%	542 lx
50%	904 lx

Conditions:

Number of c-planes: 4

Lux at center: 1808 lx

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



Total lumen output:

7629 lm

Peak candela output:

32003 cd

Light quality:

CRI: 83,4

Color temperature:

7291 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 20°

Target:

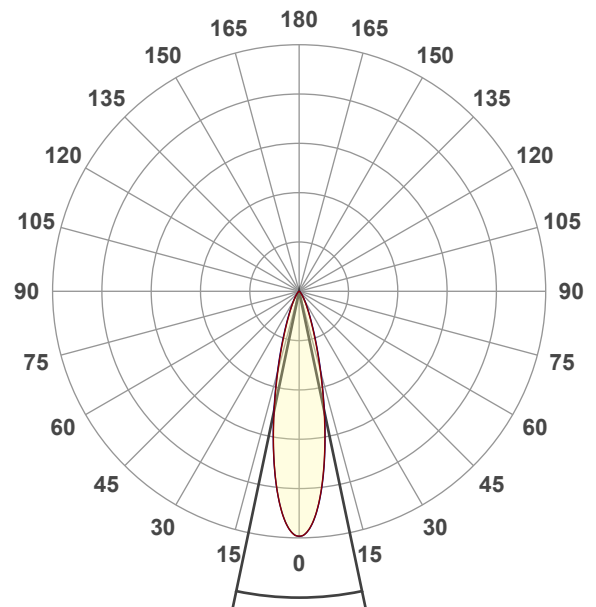
Cold White

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:35:32

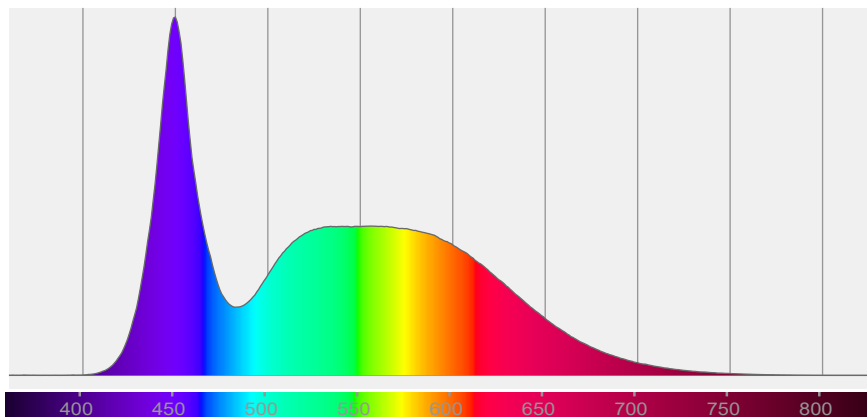


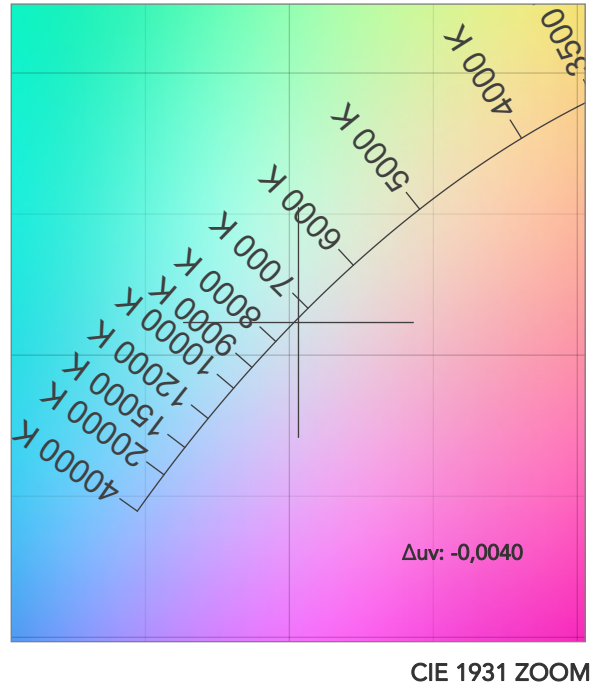
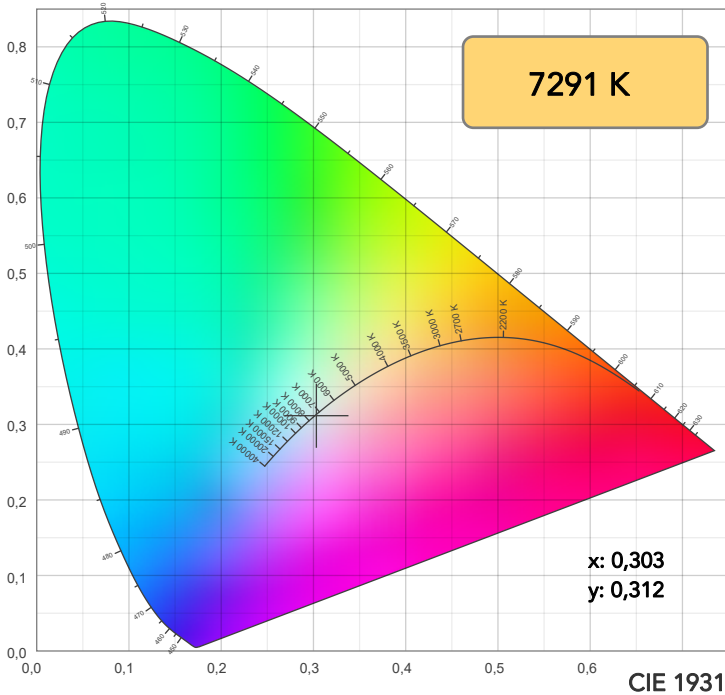
Beam angle 50%: 23,7°

Field angle 10%: 47,6°

Cut off angle 2.5%: 70,8°

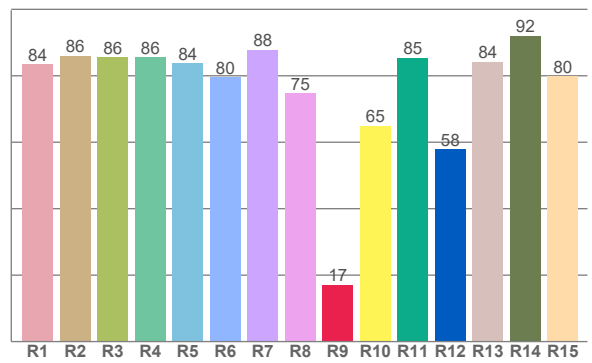
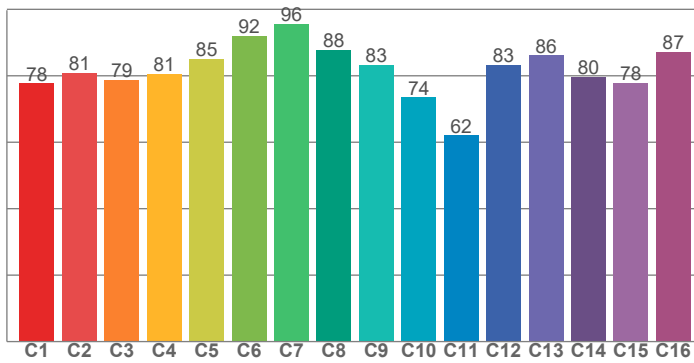
Spectra





TM30: 81,9

CRI: 83,4 (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
83,5	86,0	85,6	85,6	83,9	79,6	87,9	74,7	17,1	65,0	85,4	57,9	84,2	92,1	79,9

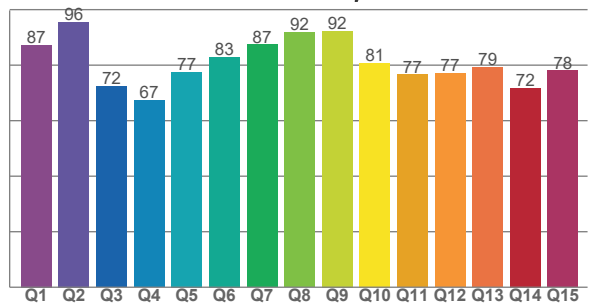
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,7	80,9	78,7	80,7	85,1	92,0	95,6	87,8	83,4	73,5	62,0	83,3	86,2	79,6	77,9	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,3	95,6	72,4	67,3	77,5	82,9	87,4	91,8	92,3	80,8	76,6	77,1	79,2	71,8	78,1

CQS: 79,6



COLOR PARAMETERS

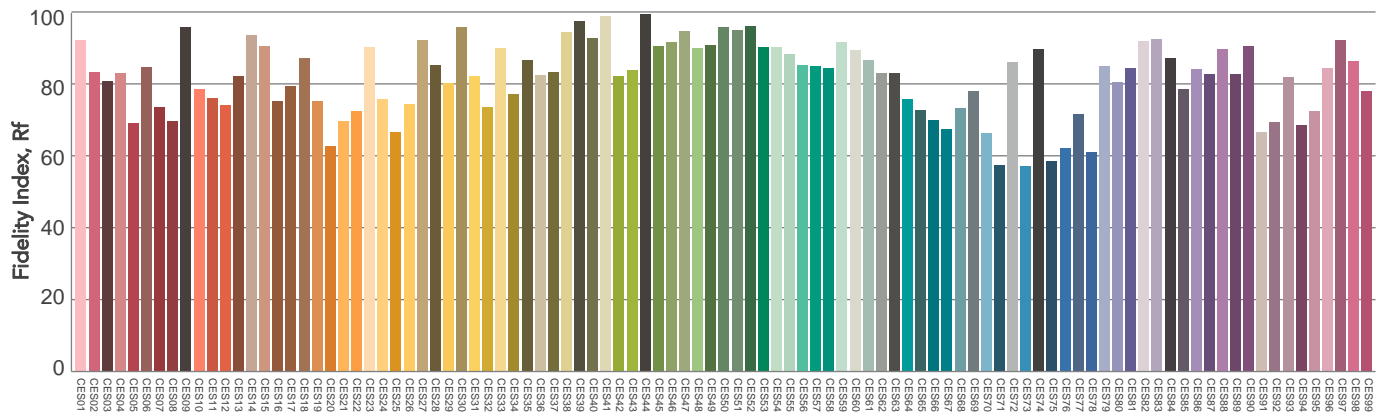
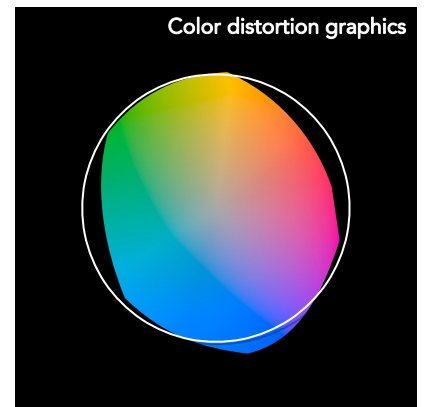
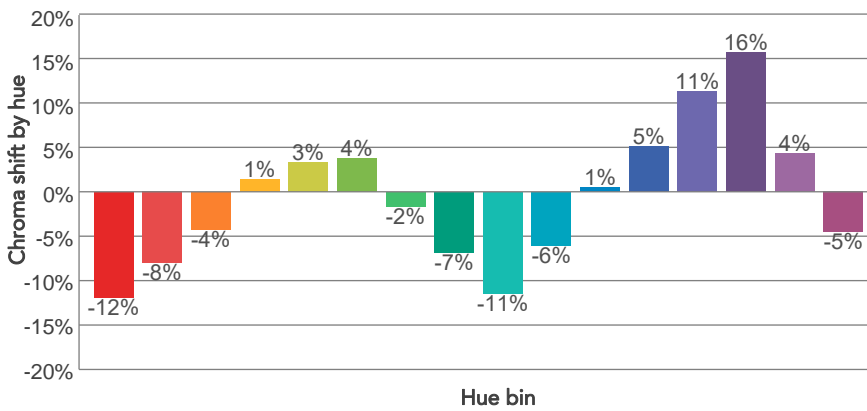
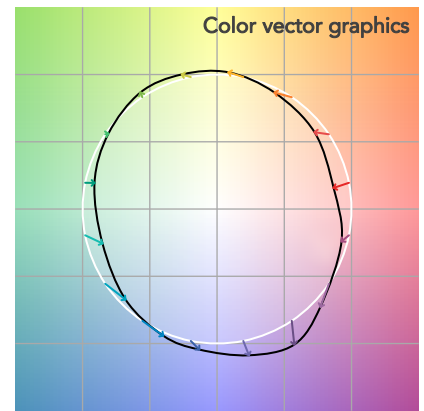
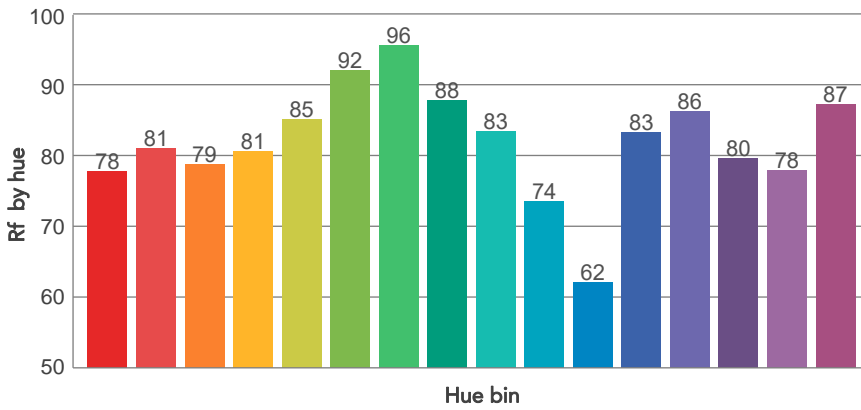
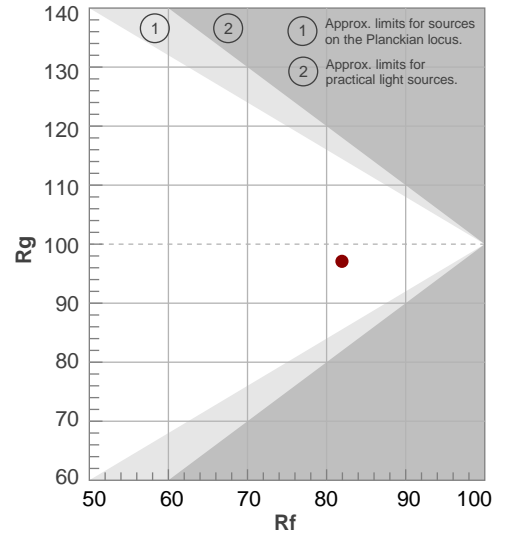
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7291 K	83,4	17,1	81,9	97,1	79,6	70	0,303	0,312	-0,0040

TM30 DETAILS

Rf 81,9
Fidelity index Rf

Rg 97,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-2%
2	81	-8%	7%
3	79	-4%	13%
4	81	1%	12%
5	85	3%	6%
6	92	4%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	83	-11%	8%
10	74	-6%	19%
12	83	5%	7%
13	86	11%	2%
14	80	16%	-8%
15	78	4%	-18%
16	87	-5%	-6%

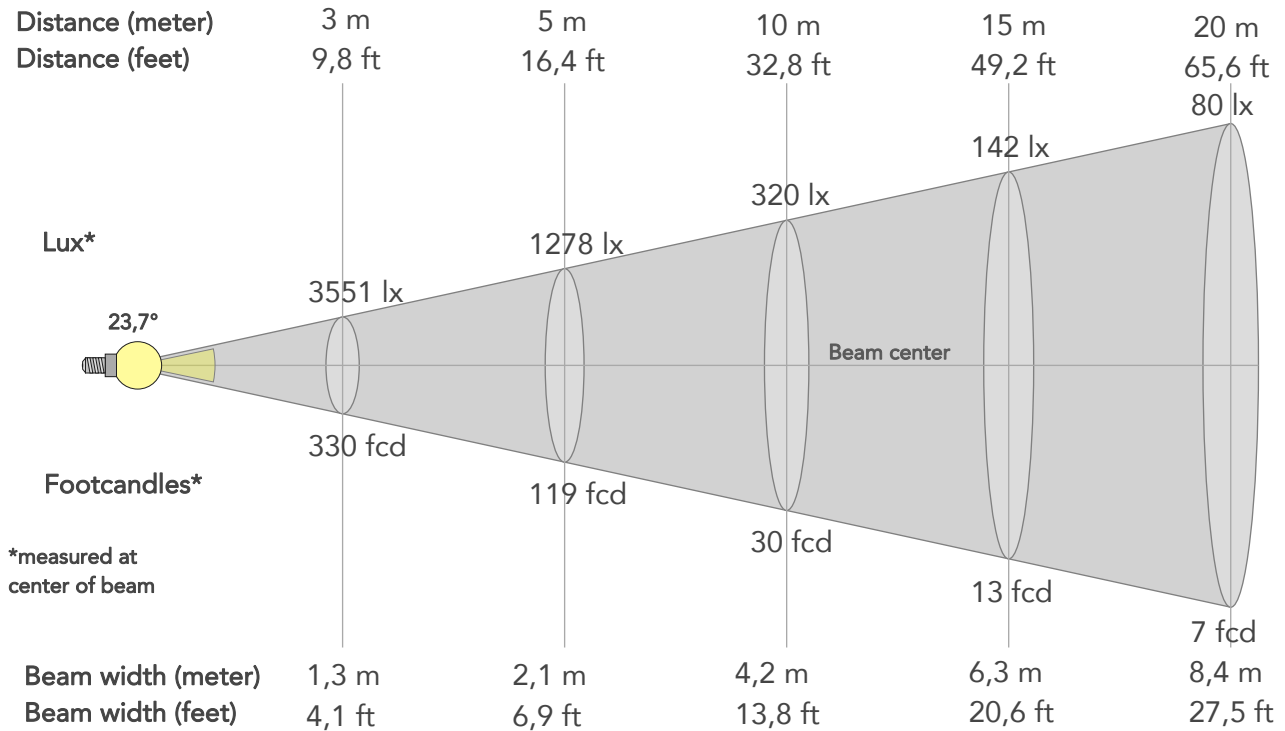


Color Evaluation Sample

BEAM DETAILS



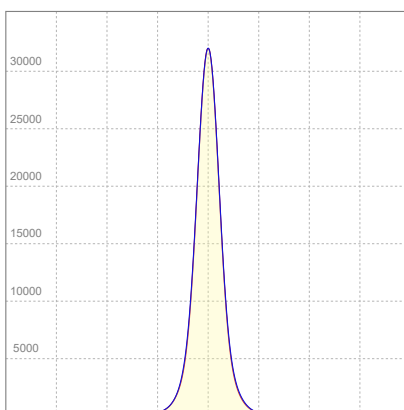
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
23,7°	47,6°	70,8°	99,7%	97,2%



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	31962lx	7990lx	3551lx	1998lx	1278lx	568lx	320lx	142lx	80lx	51lx	36lx	20lx	13lx
Footcand.	2969fcd	742fcd	330fcd	186fcd	119fcd	53fcd	30fcd	13fcd	7fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,4m	0,8m	1,3m	1,7m	2,1m	3,1m	4,2m	6,3m	8,4m	10,5m	12,6m	16,8m	21m
Beam wid.	1,4ft	2,8ft	4,1ft	5,5ft	6,9ft	10,3ft	13,8ft	20,6ft	27,5ft	34,4ft	41,3ft	55ft	68,8ft

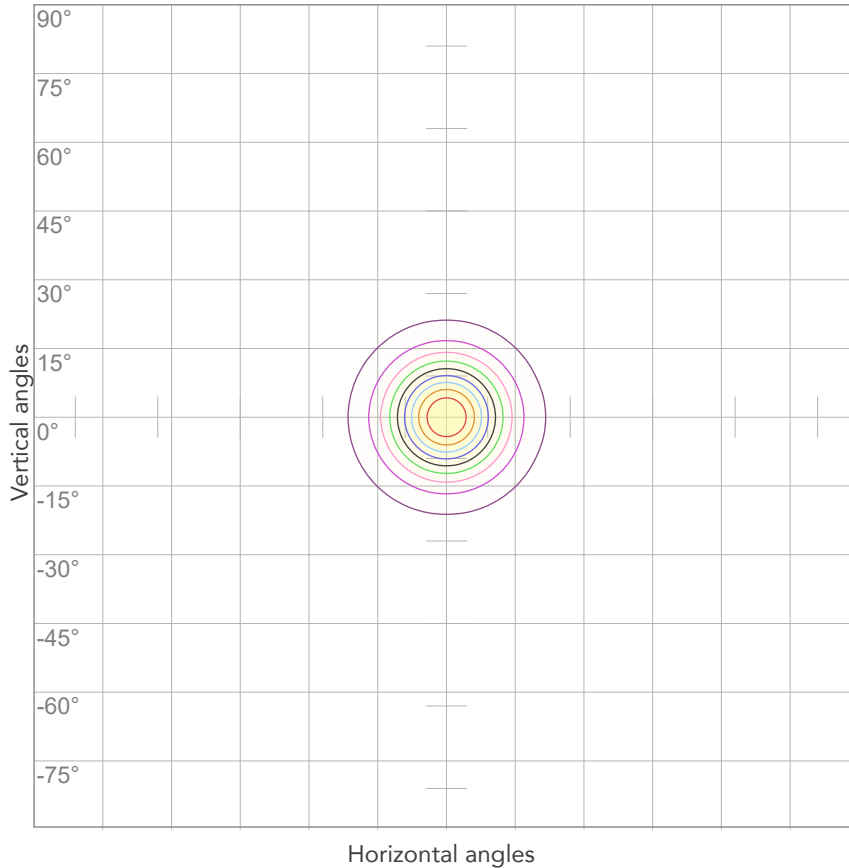
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,629A	130,9W	58lm/W

ISO CANDELA DIAGRAM



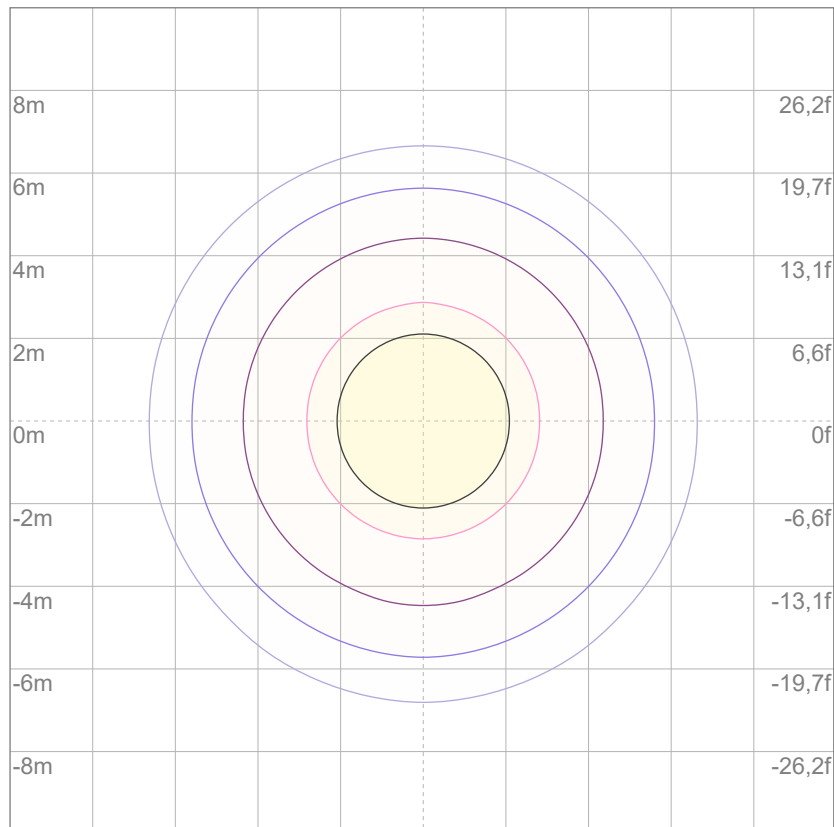
10%	3196 cd
20%	6392 cd
30%	9588 cd
40%	12785 cd
50%	15981 cd
60%	19177 cd
70%	22373 cd
80%	25569 cd

Conditions:

Number of c-planes: 4

Candela at center: 31962 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	9,59 lx
5%	16,0 lx
10%	32,0 lx
30%	95,9 lx
50%	160 lx

Conditions:

Number of c-planes: 4

Lux at center: 320 lx

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



Total lumen output:

7715 lm

Peak candela output:

20808 cd

Light quality:

CRI: 83,3

Color temperature:

7294 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°

Target:

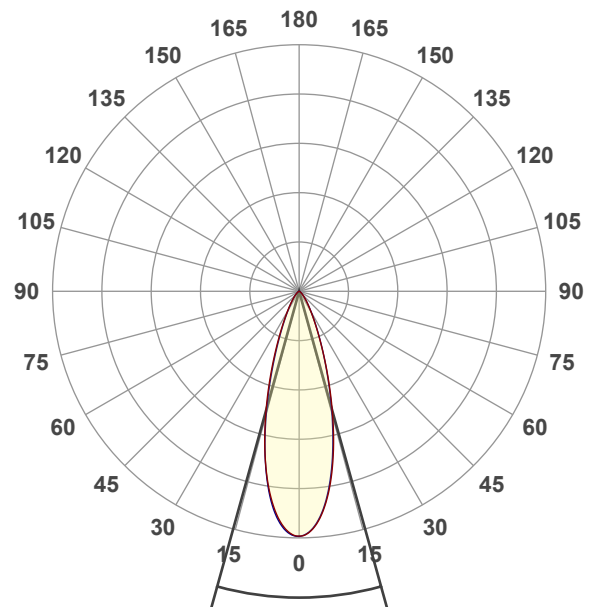
Cold White

Operator:

Nicola Savarese

Date and time:

15/07/2022 15:57:57

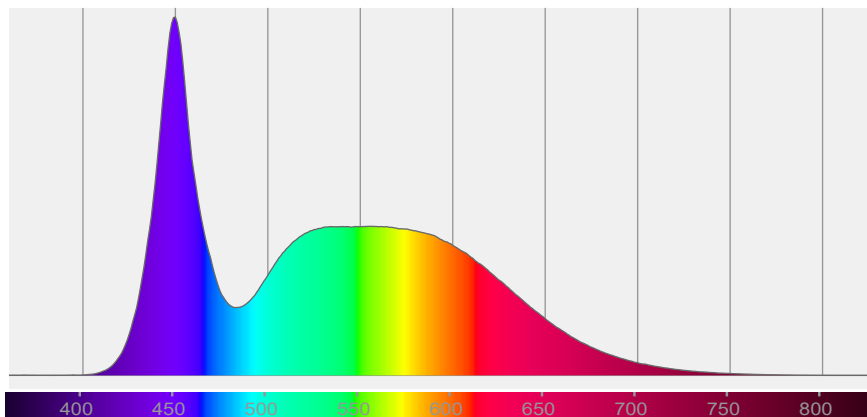


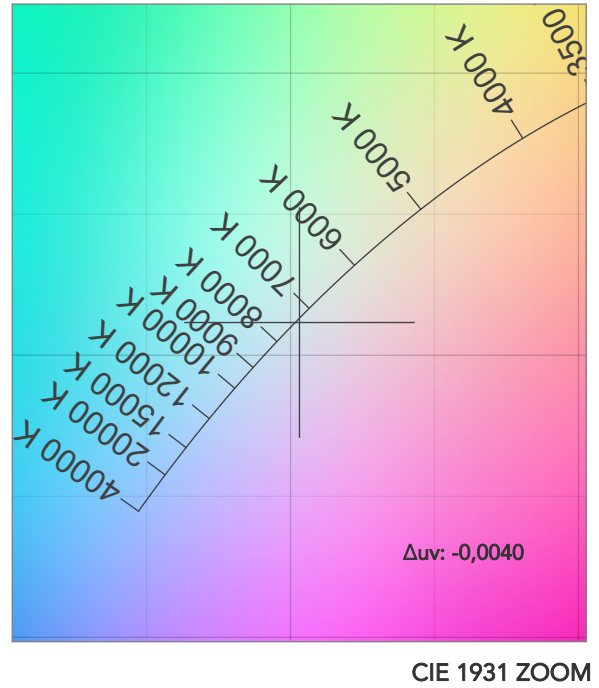
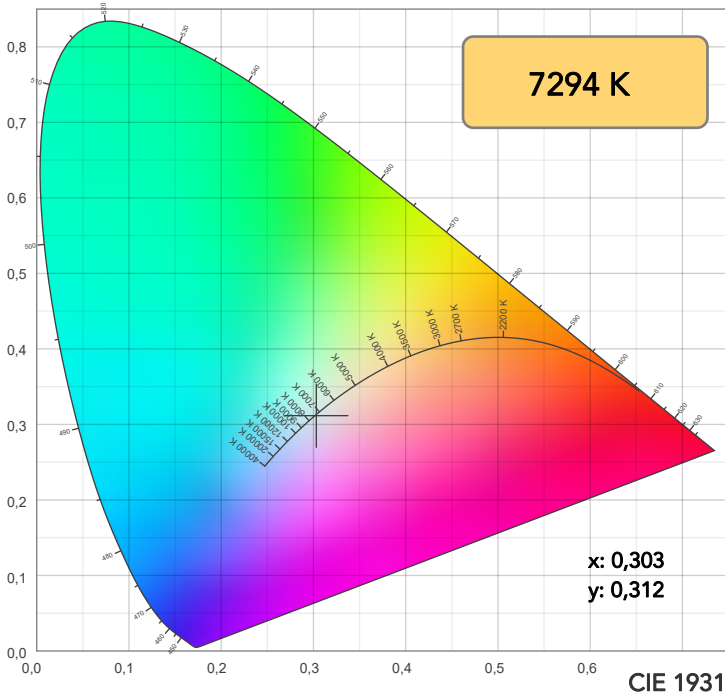
Beam angle 50%: 31°

Field angle 10%: 59,3°

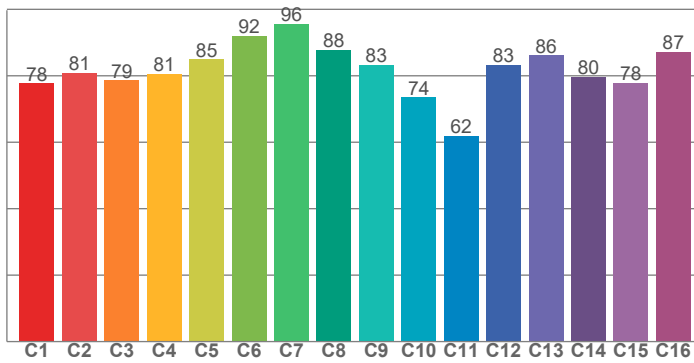
Cut off angle 2.5%: 85,8°

Spectra

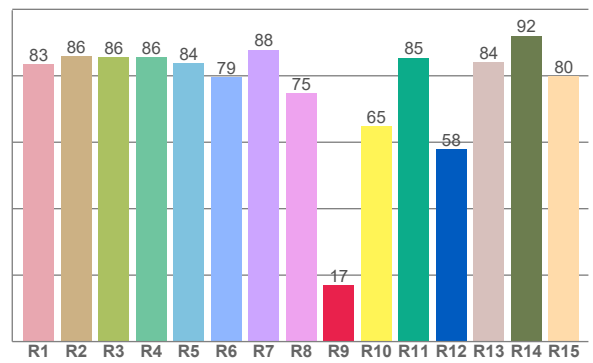




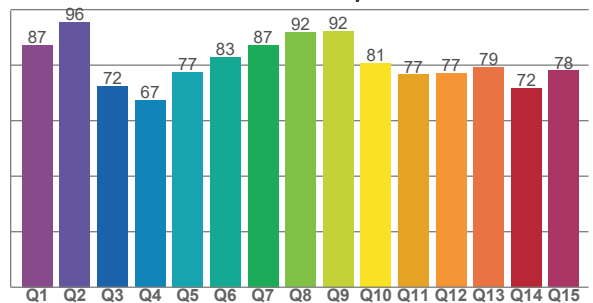
TM30: 81,9



CRI: 83,3 (R1-R8)



CQS: 79,6



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,5	85,9	85,5	85,5	83,8	79,5	87,8	74,7	16,9	64,8	85,4	57,8	84,1	92,0	79,8

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
77,7	80,9	78,6	80,6	85,0	91,9	95,7	87,8	83,4	73,5	61,9	83,2	86,2	79,6	77,8	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,3	95,6	72,4	67,3	77,5	82,9	87,3	91,8	92,3	80,7	76,5	77,1	79,2	71,8	78,1

COLOR PARAMETERS

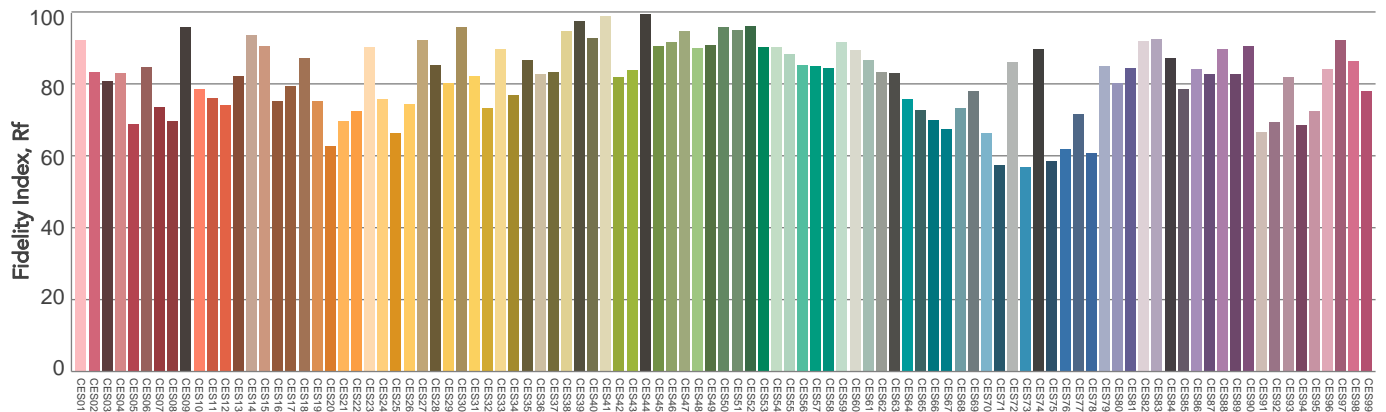
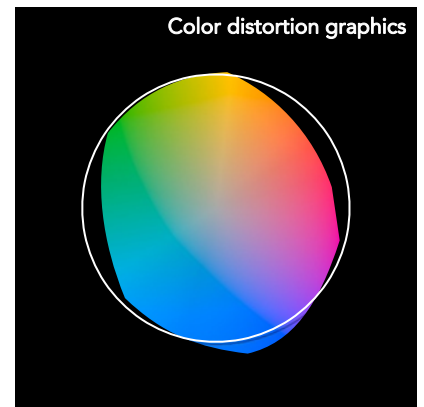
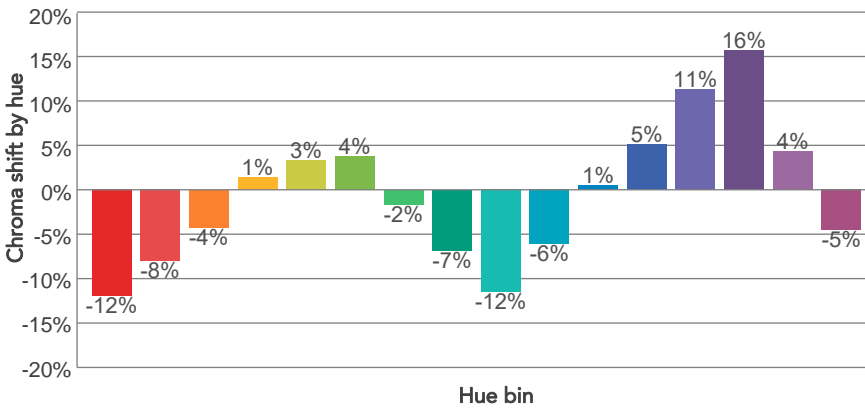
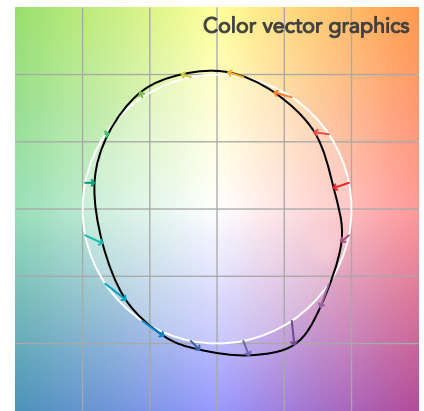
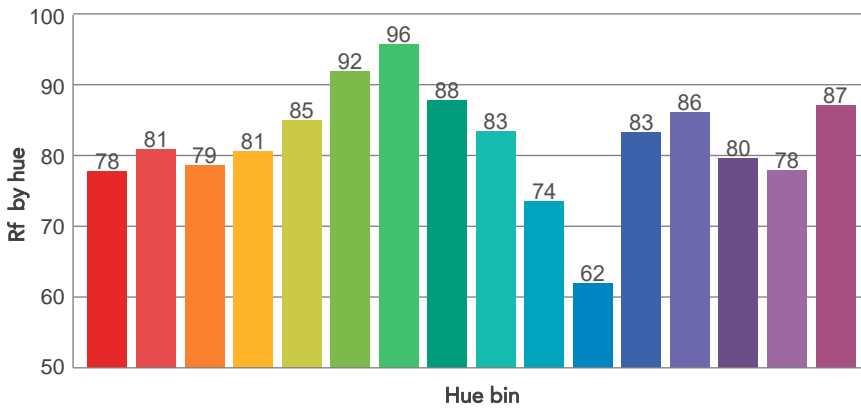
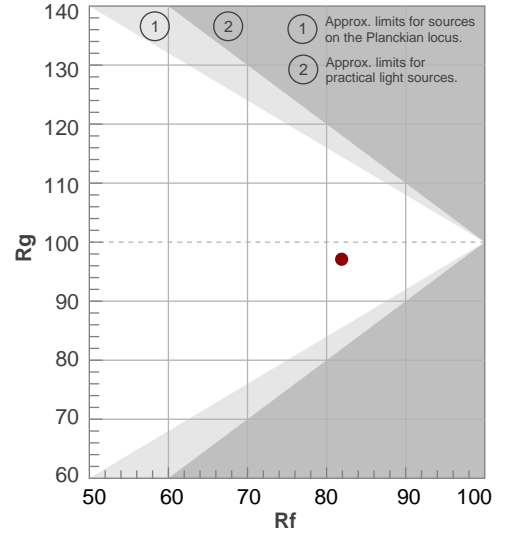
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7294 K	83,3	16,9	81,9	97,1	79,6	70	0,303	0,312	-0,0040

TM30 DETAILS

Rf 81,9
Fidelity index Rf

Rg 97,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-2%
2	81	-8%	7%
3	79	-4%	13%
4	81	1%	12%
5	85	3%	6%
6	92	4%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	83	-12%	8%
10	74	-6%	18%
11	62	1%	19%
12	83	5%	8%
13	86	11%	2%
14	80	16%	-8%
15	78	4%	-18%
16	87	-5%	-6%

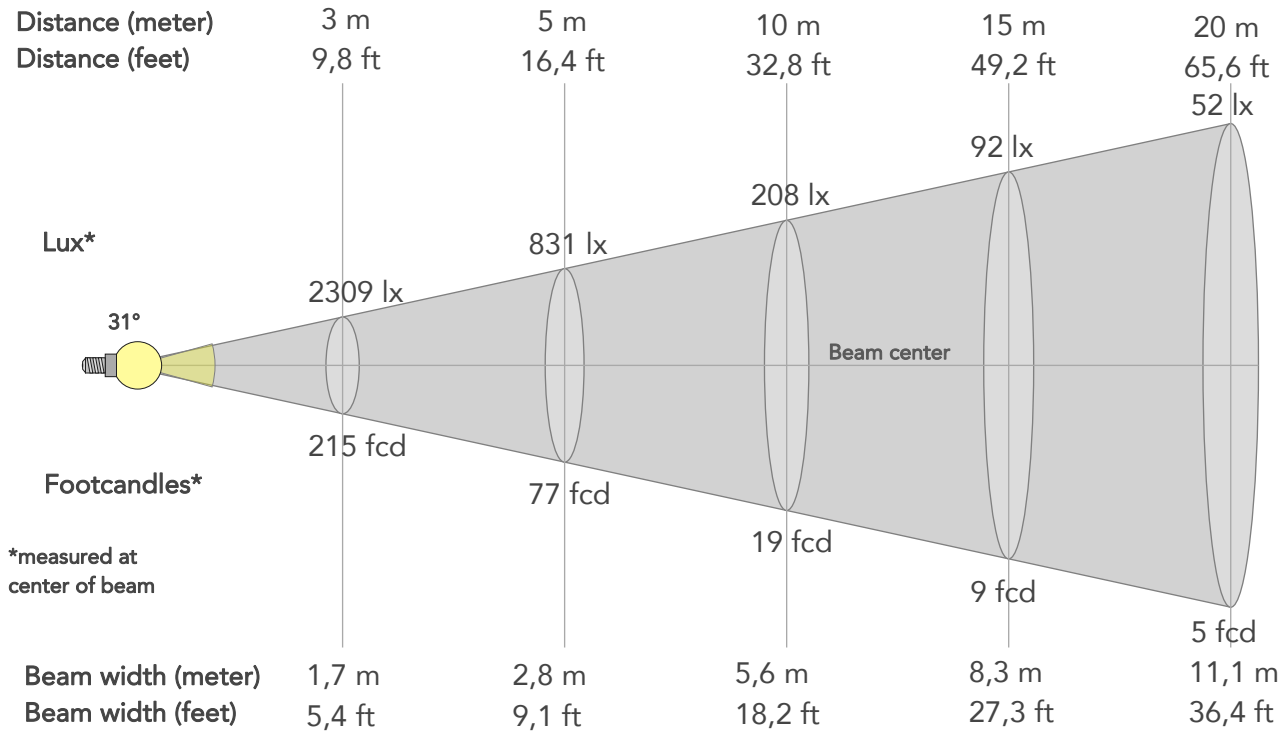


Color Evaluation Sample

BEAM DETAILS



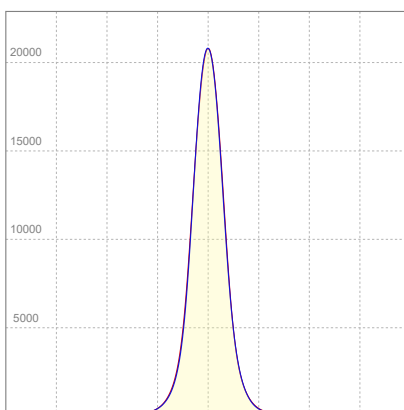
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
31°	59,3°	85,8°	99,1%	95,2%



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	20783lx	5196lx	2309lx	1299lx	831lx	369lx	208lx	92lx	52lx	33lx	23lx	13lx	8lx
Footcand.	1931fcd	483fcd	215fcd	121fcd	77fcd	34fcd	19fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,6m	1,1m	1,7m	2,2m	2,8m	4,2m	5,6m	8,3m	11,1m	13,9m	16,7m	22,2m	27,8m
Beam wid.	1,8ft	3,7ft	5,4ft	7,3ft	9,1ft	13,7ft	18,2ft	27,3ft	36,4ft	45,5ft	54,6ft	72,8ft	91ft

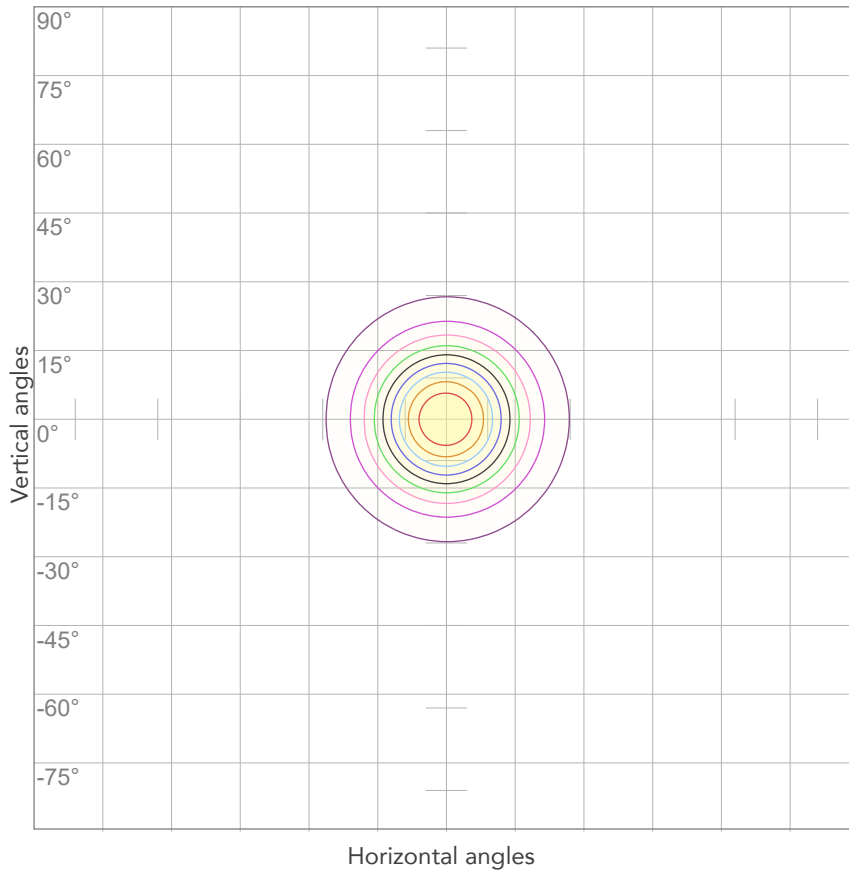
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,628A	131,1W	59lm/W

ISO CANDELA DIAGRAM



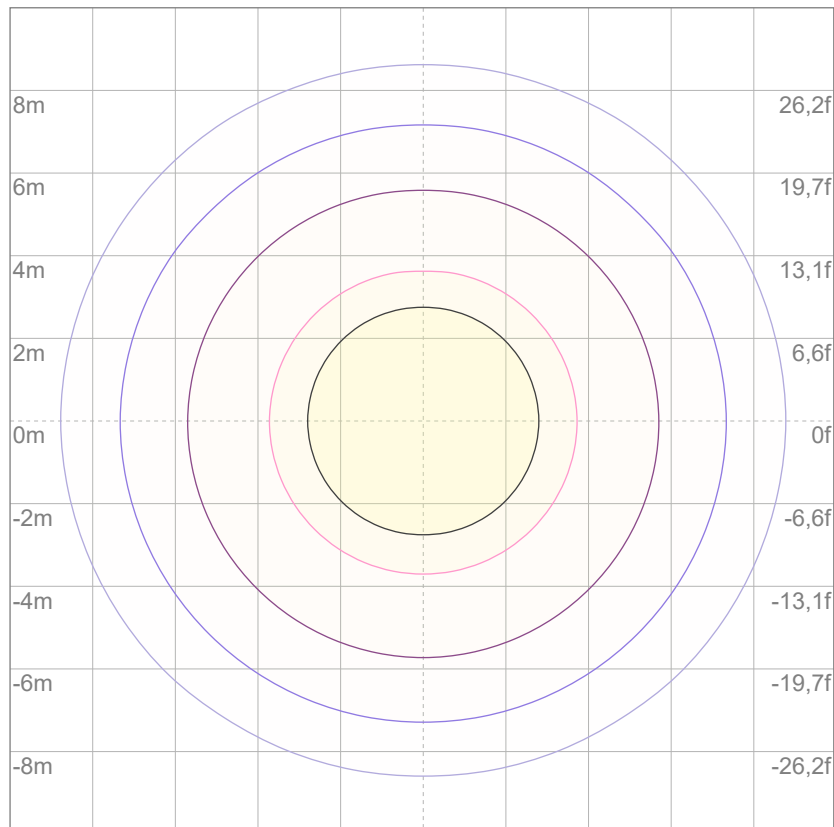
10%	2078 cd
20%	4157 cd
30%	6235 cd
40%	8313 cd
50%	10392 cd
60%	12470 cd
70%	14548 cd
80%	16626 cd

Conditions:

Number of c-planes: 4

Candela at center: 20783 cd

ISO LUX DIAGRAM



3%	6,23 lx
5%	10,4 lx
10%	20,8 lx
30%	62,3 lx
50%	104 lx

Conditions:

Number of c-planes: 4

Lux at center: 208 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:

7668 lm

Peak candela output:

10197 cd

Light quality:

CRI: 83,4

Color temperature:

7350 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 40°

Target:

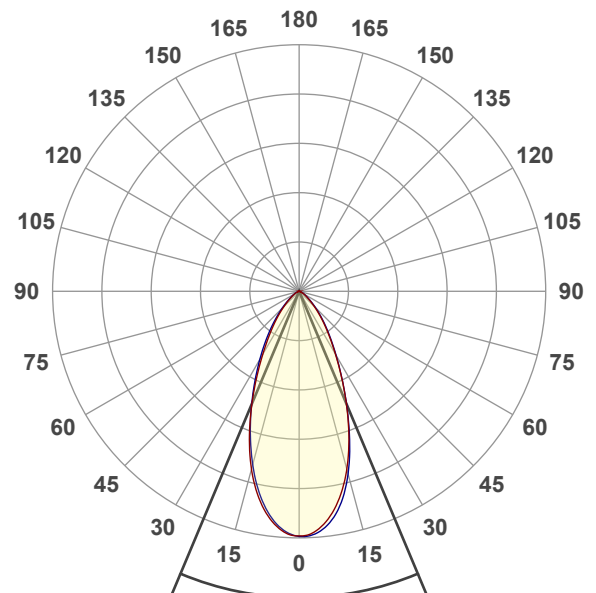
Cold White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:06:42

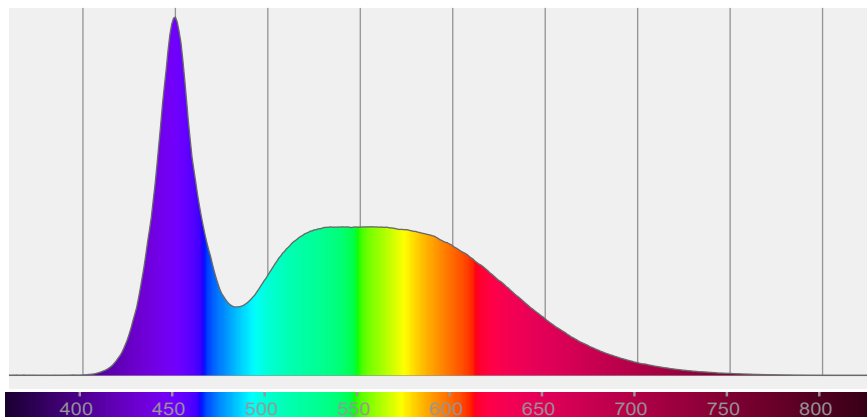


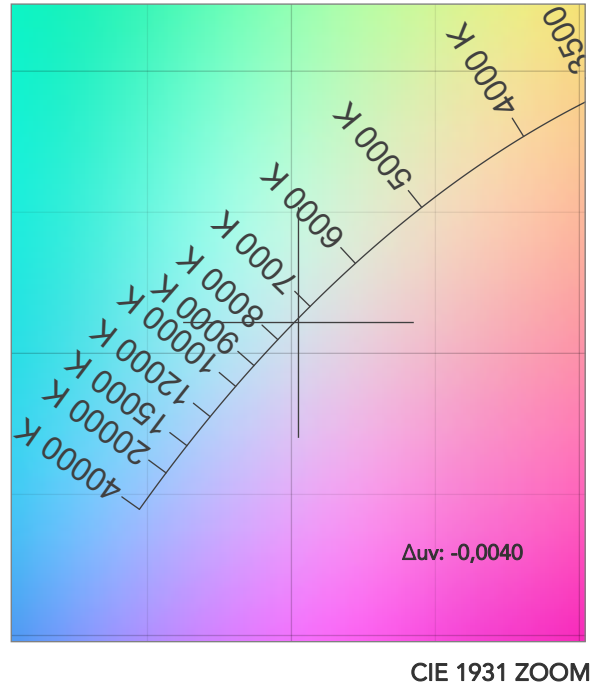
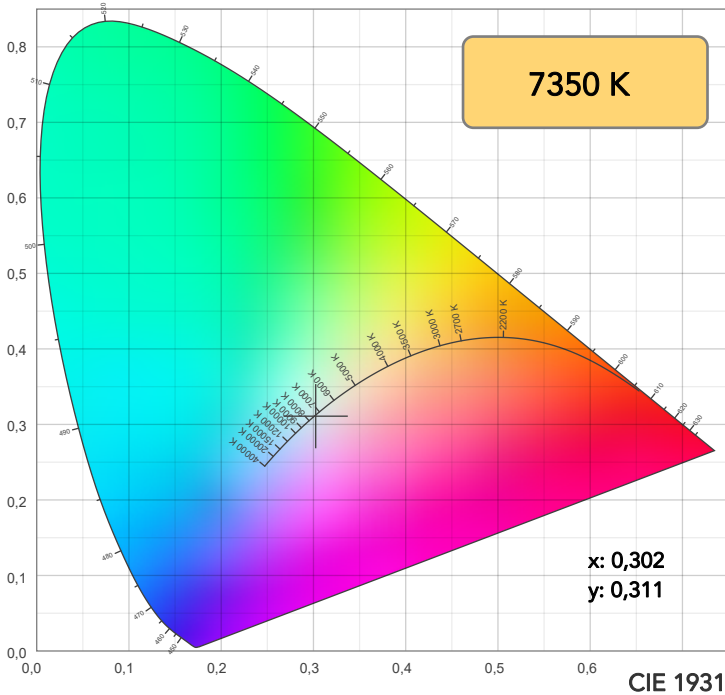
Beam angle 50%: 45,6°

Field angle 10%: 88,2°

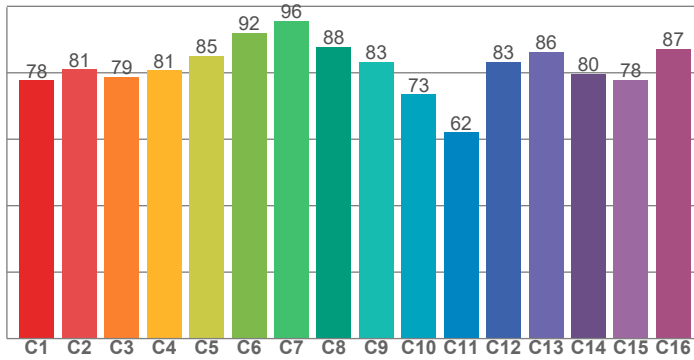
Cut off angle 2.5%: 118,1°

Spectra

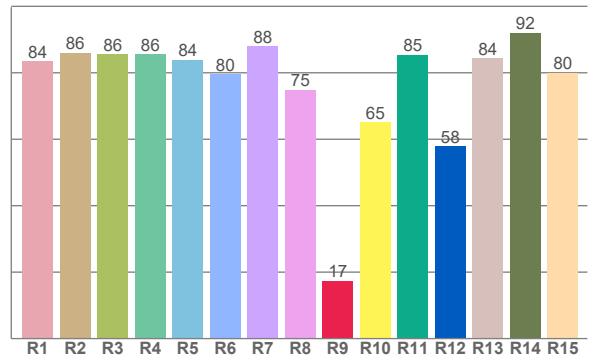




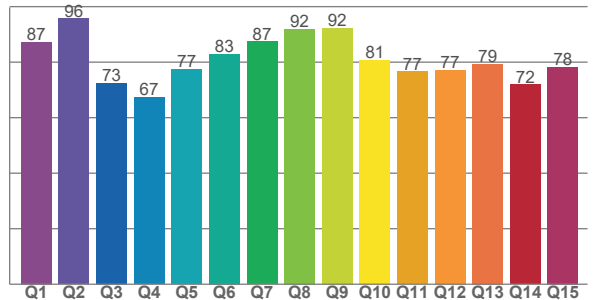
TM30: 82,0



CRI: 83,4 (R1-R8)



CQS: 79,6



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,6	86,1	85,6	85,6	83,9	79,6	87,9	74,9	17,4	65,0	85,5	57,9	84,3	92,1	80,0

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
77,8	81,0	78,8	80,7	85,1	92,1	95,6	87,8	83,3	73,5	62,1	83,4	86,2	79,6	77,9	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,3	95,7	72,5	67,3	77,4	82,9	87,4	91,9	92,3	80,8	76,6	77,1	79,3	71,9	78,2

COLOR PARAMETERS

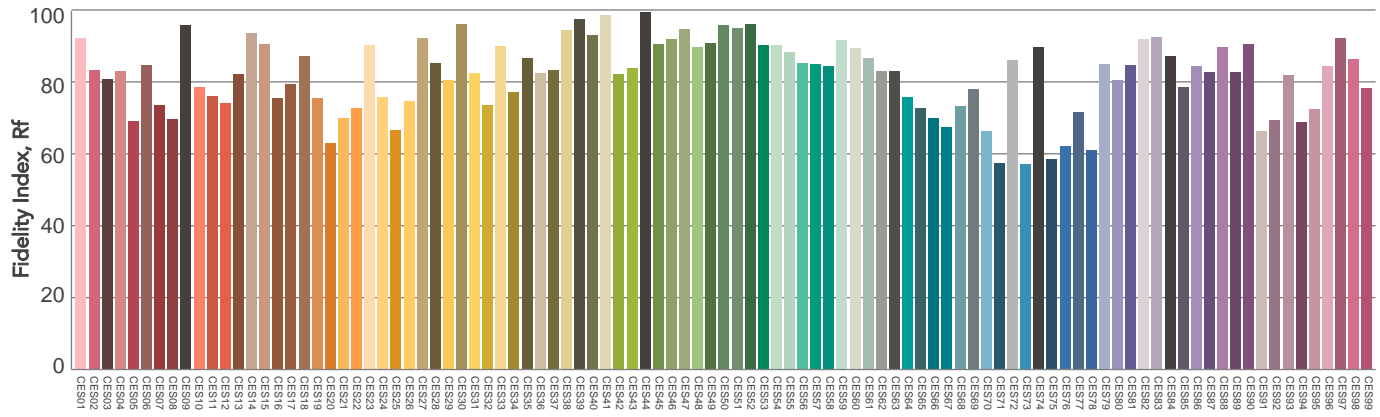
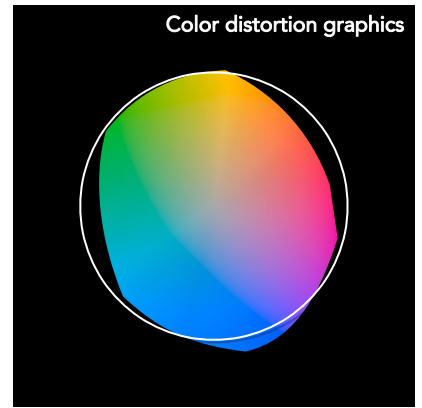
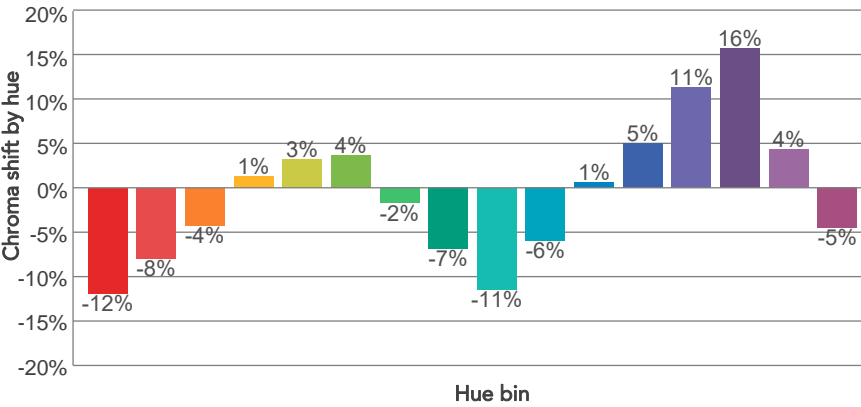
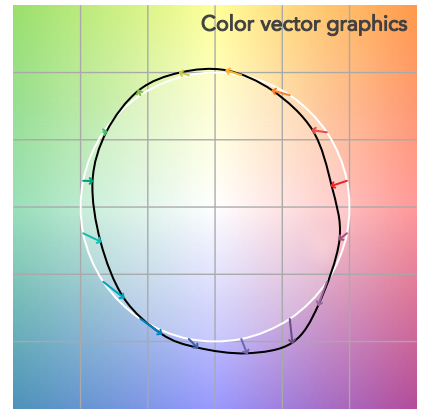
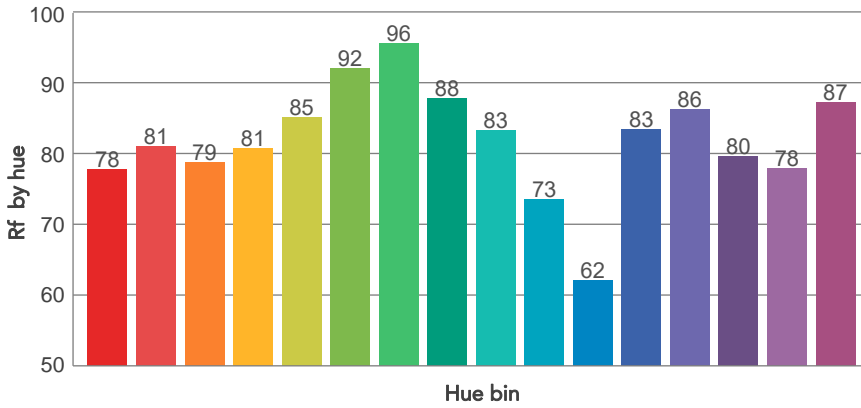
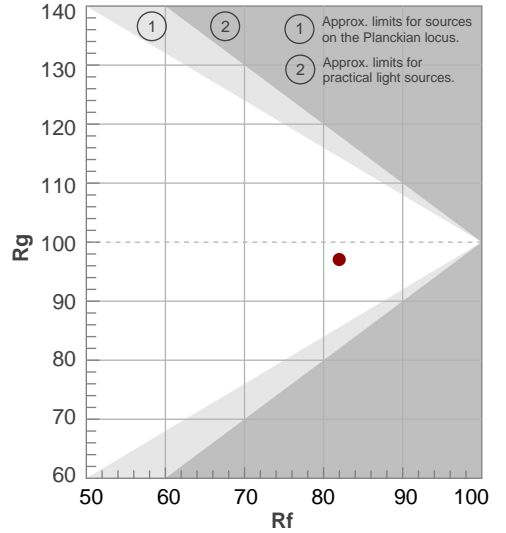
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7350 K	83,4	17,4	82,0	97,1	79,6	70	0,302	0,311	-0,0040

TM30 DETAILS

Rf 82,0
Fidelity index Rf

Rg 97,1
Gammut index

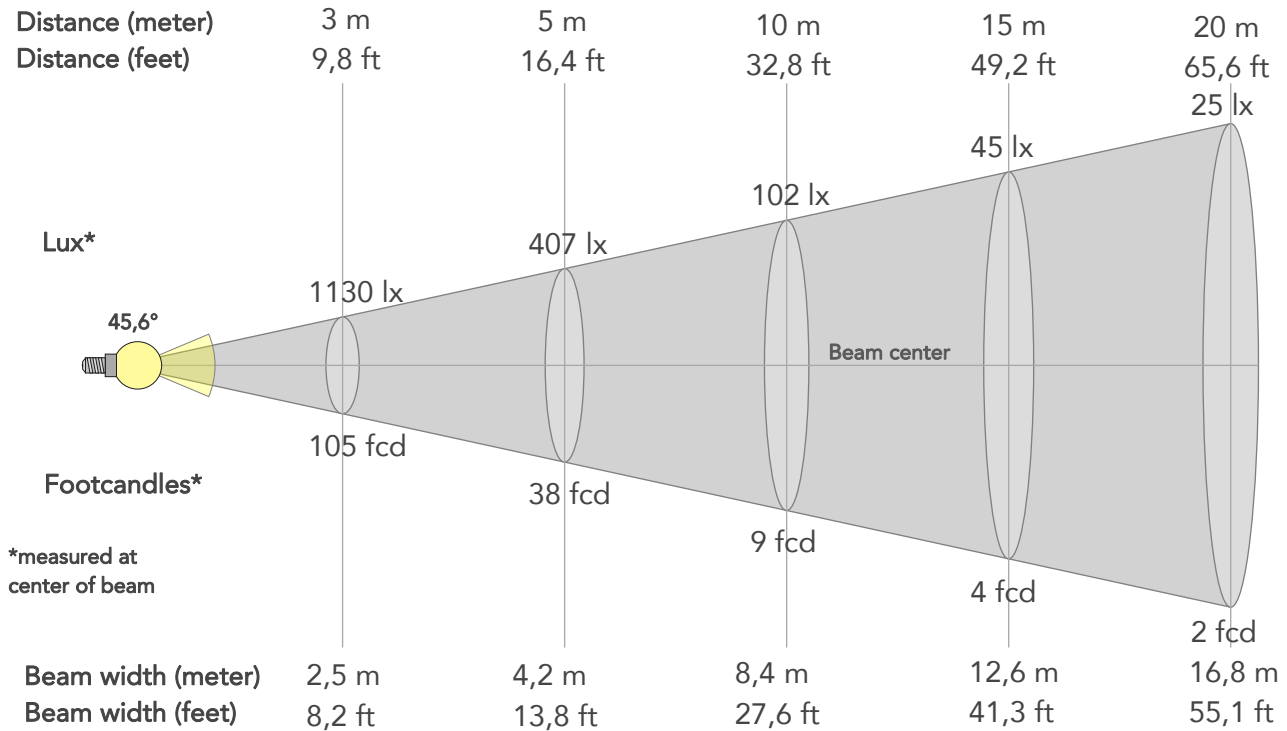
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	81	-8%	7%
3	79	-4%	12%
4	81	1%	11%
5	85	3%	6%
6	92	4%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	83	-11%	9%
10	73	-6%	19%
12	83	5%	7%
13	86	11%	2%
14	80	16%	-8%
15	78	4%	-18%
16	87	-5%	-6%



BEAM DETAILS



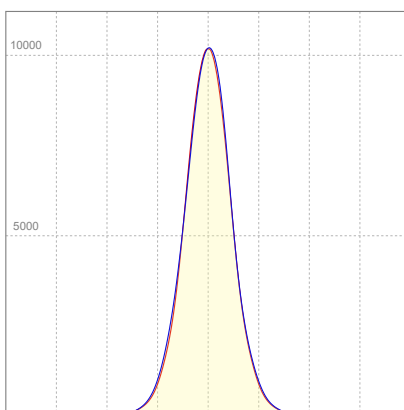
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,6°	88,2°	118,1°	97,5%	89,2%



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	10174lx	2543lx	1130lx	636lx	407lx	181lx	102lx	45lx	25lx	16lx	11lx	6lx	4lx
Footcand.	945fcd	236fcd	105fcd	59fcd	38fcd	17fcd	9fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,7m	2,5m	3,4m	4,2m	6,3m	8,4m	12,6m	16,8m	21m	25,2m	33,6m	42m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,8ft	20,7ft	27,6ft	41,3ft	55,1ft	68,9ft	82,7ft	110,3ft	137,8ft

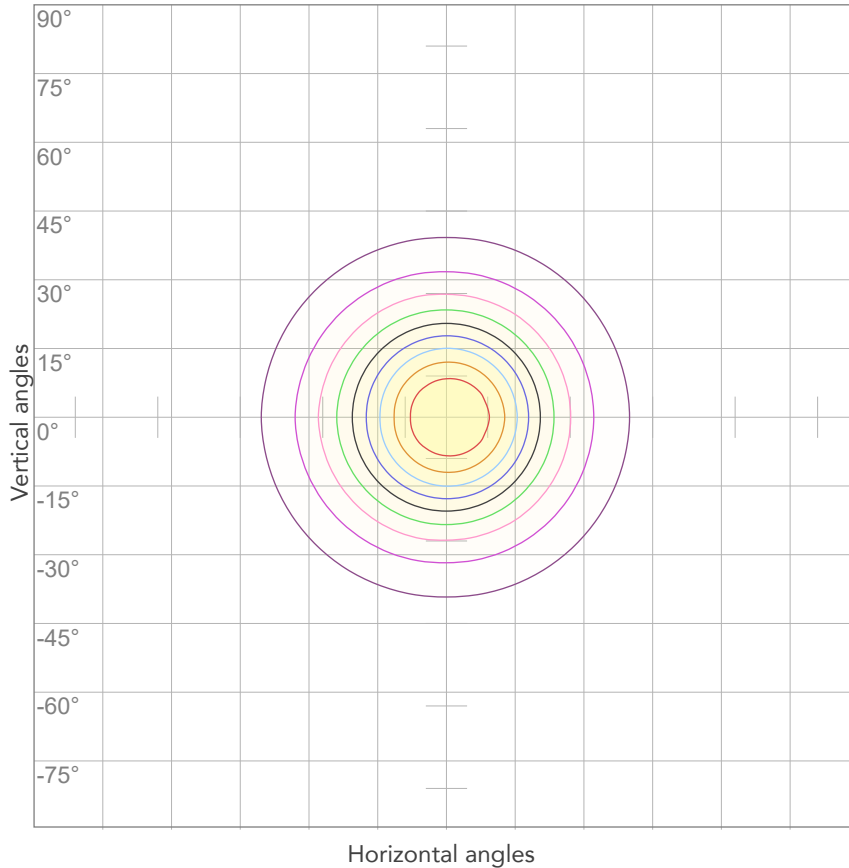
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,627A	130,7W	59lm/W

ISO CANDELA DIAGRAM



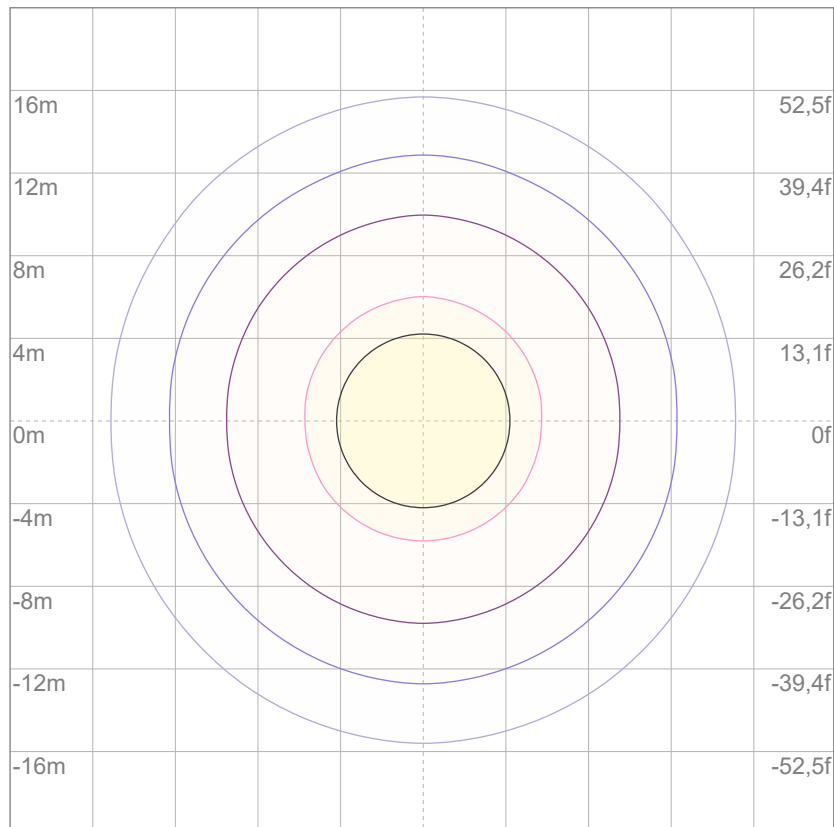
10%	1017 cd
20%	2035 cd
30%	3052 cd
40%	4069 cd
50%	5087 cd
60%	6104 cd
70%	7122 cd
80%	8139 cd

Conditions:

Number of c-planes: 4

Candela at center: 10174 cd

ISO LUX DIAGRAM



3%	3,05 lx
5%	5,09 lx
10%	10,2 lx
30%	30,5 lx
50%	50,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 102 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:

7531 lm

Peak candela output:

6713 cd

Light quality:

CRI: 83,4

Color temperature:

7346 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 60°

Target:

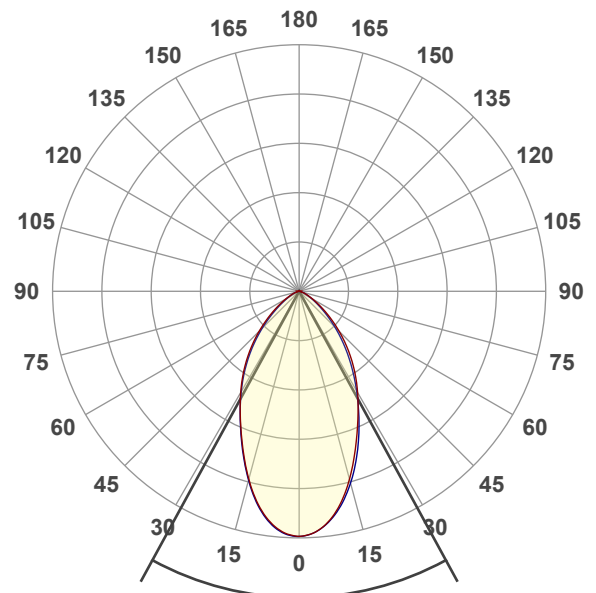
Cold White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:15:23

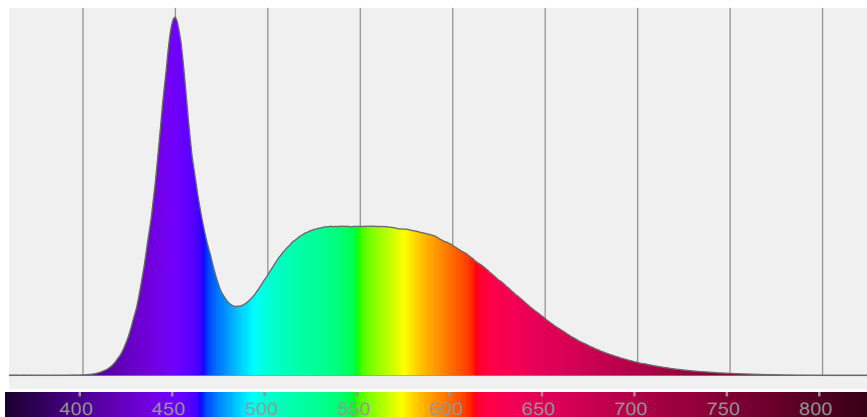


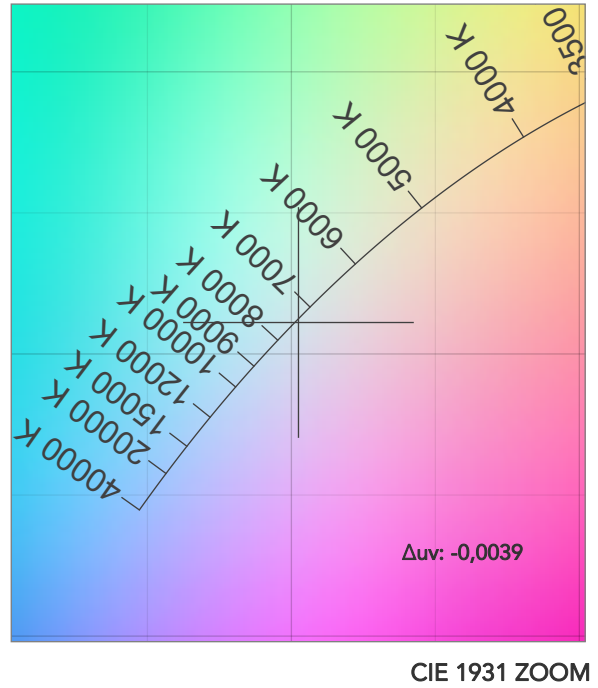
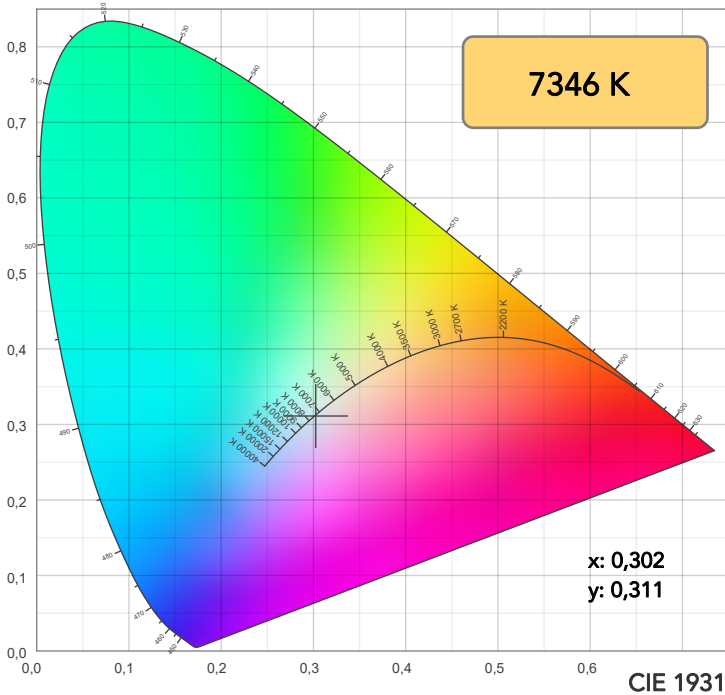
Beam angle 50%: 57,2°

Field angle 10%: 109,3°

Cut off angle 2.5%: 136,7°

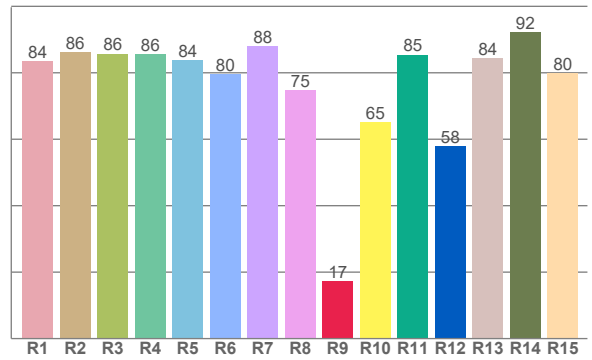
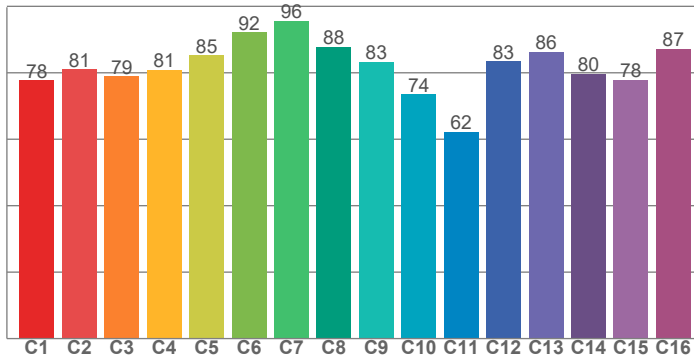
Spectra



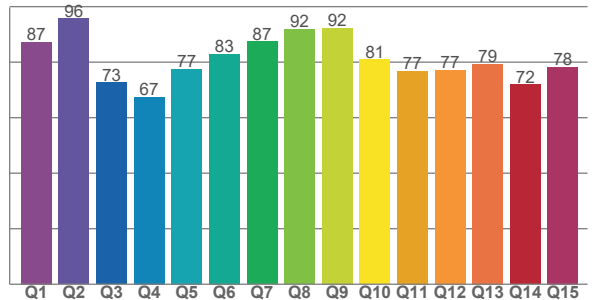


TM30: 82,0

CRI: 83,4 (R1-R8)



CQS: 79,7



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
83,5	86,1	85,7	85,6	83,9	79,7	88,0	74,8	17,3	65,1	85,4	57,9	84,3	92,2	79,9

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
77,7	81,1	78,9	80,9	85,2	92,1	95,6	87,8	83,3	73,5	62,3	83,5	86,3	79,6	77,9	87,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,3	95,7	72,6	67,4	77,5	82,9	87,4	91,8	92,4	80,9	76,7	77,3	79,4	71,9	78,2

COLOR PARAMETERS

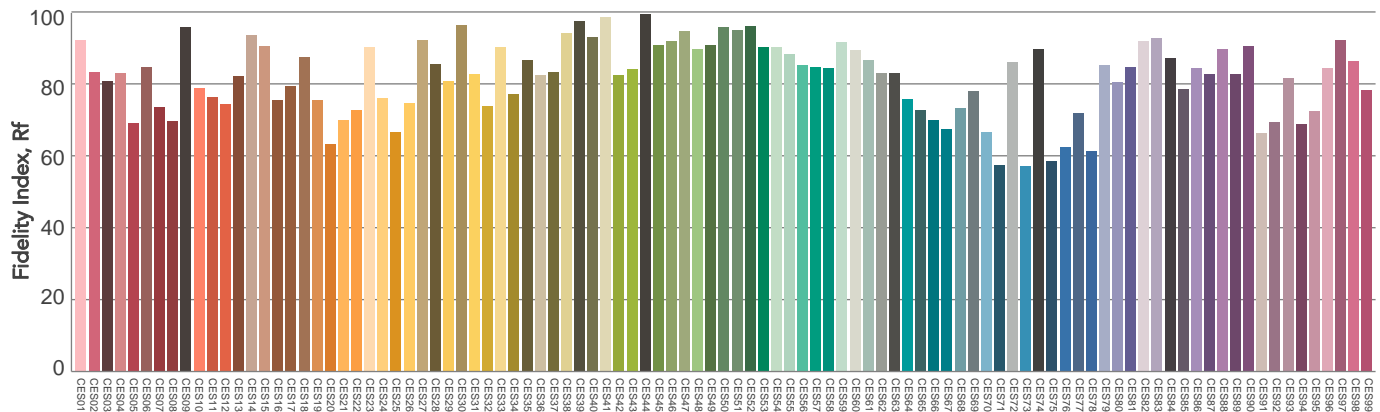
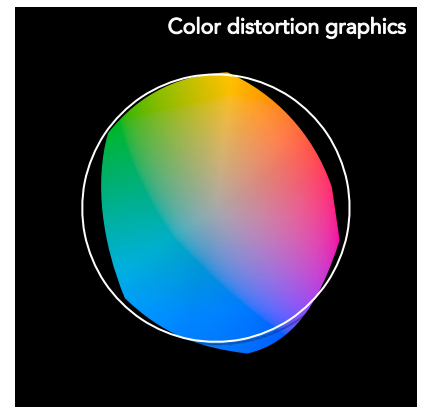
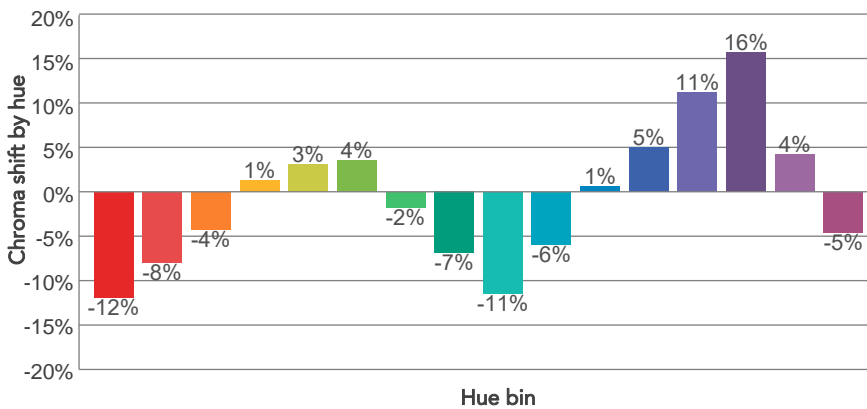
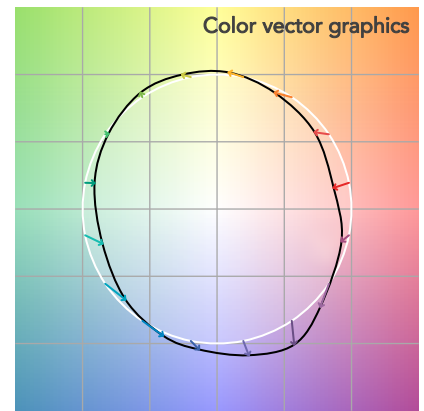
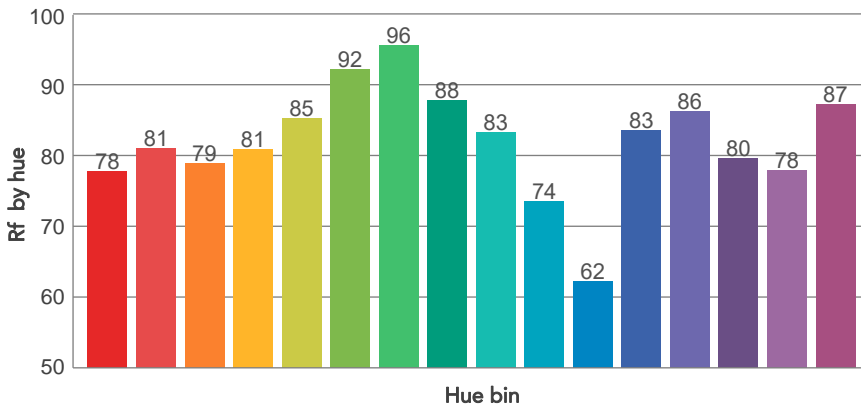
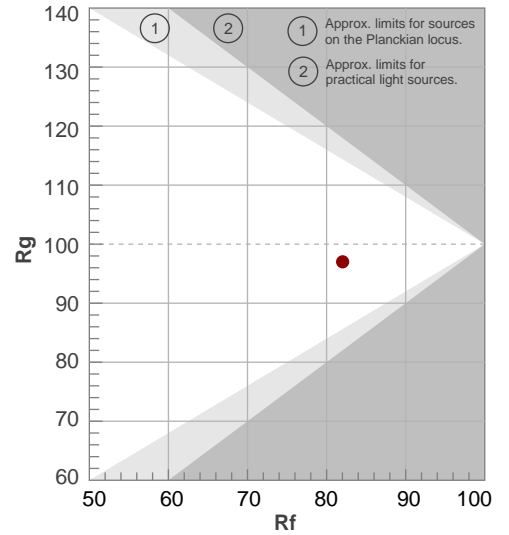
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7346 K	83,4	17,3	82,0	97,0	79,7	70	0,302	0,311	-0,0039

TM30 DETAILS

Rf 82,0
Fidelity index Rf

Rg 97,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	81	-8%	7%
3	79	-4%	12%
4	81	1%	11%
5	85	3%	6%
6	92	4%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	83	-11%	9%
10	74	-6%	18%
11	62	1%	19%
12	83	5%	7%
13	86	11%	2%
14	80	16%	-8%
15	78	4%	-18%
16	87	-5%	-5%

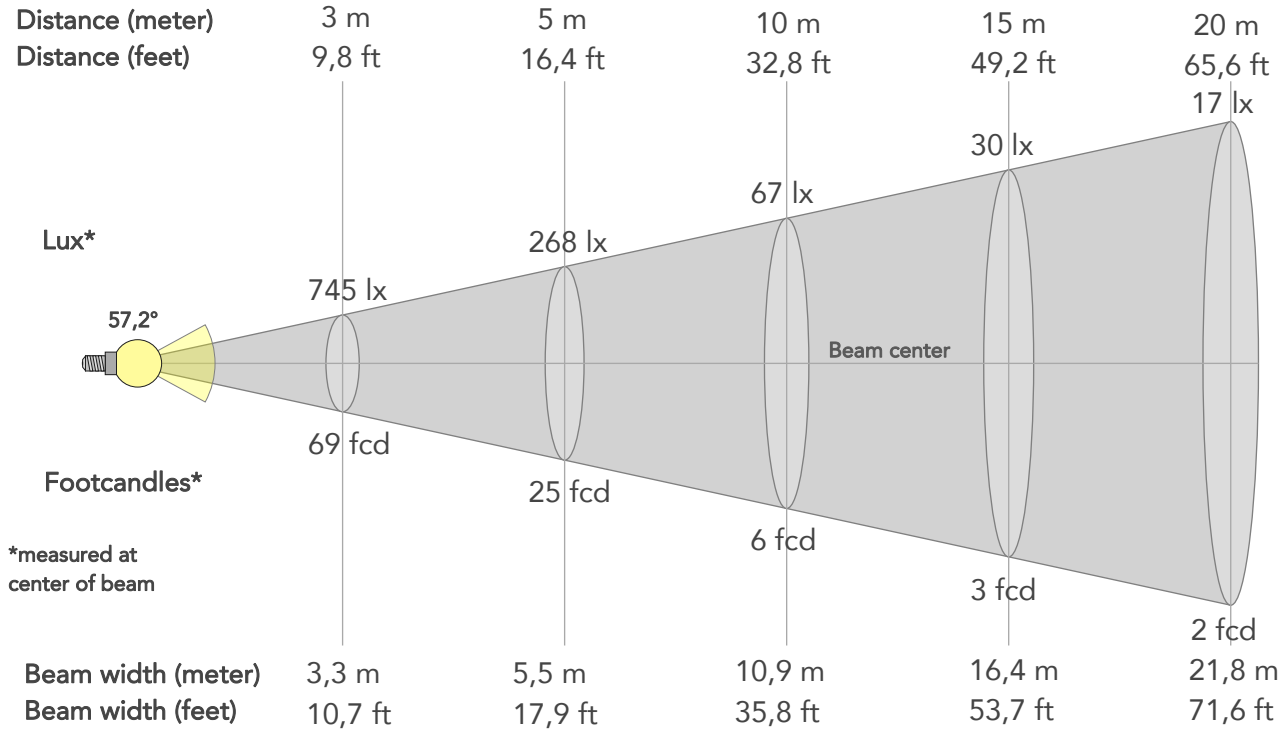


Color Evaluation Sample

BEAM DETAILS



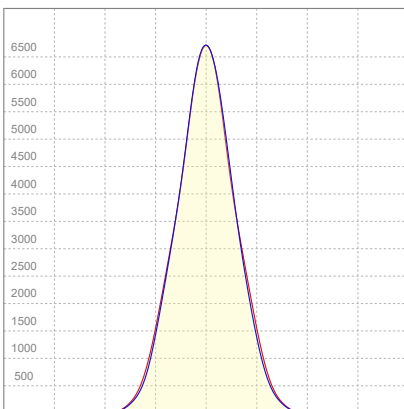
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
57,2°	109,3°	136,7°	95,7%	81,2%



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	6705lx	1676lx	745lx	419lx	268lx	119lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	623fcd	156fcd	69fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,1m	2,2m	3,3m	4,4m	5,5m	8,2m	10,9m	16,4m	21,8m	27,3m	32,7m	43,7m	54,6m
Beam wid.	3,6ft	7,2ft	10,7ft	14,3ft	17,9ft	26,8ft	35,8ft	53,7ft	71,6ft	89,5ft	107,4ft	143,2ft	179ft

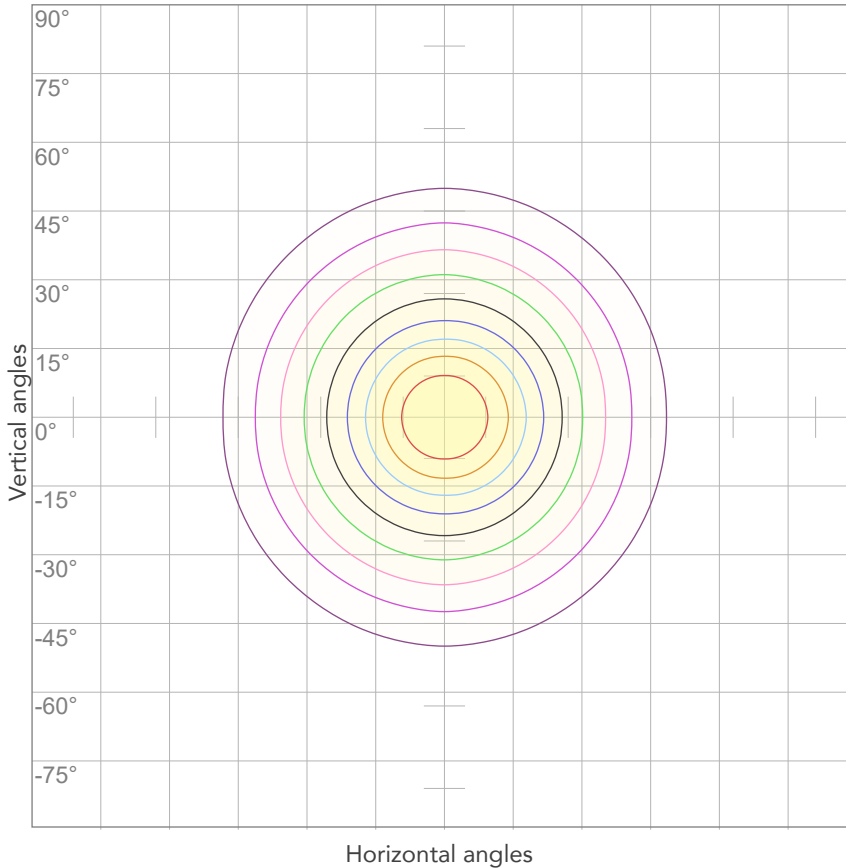
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,627A	130,6W	58lm/W

ISO CANDELA DIAGRAM



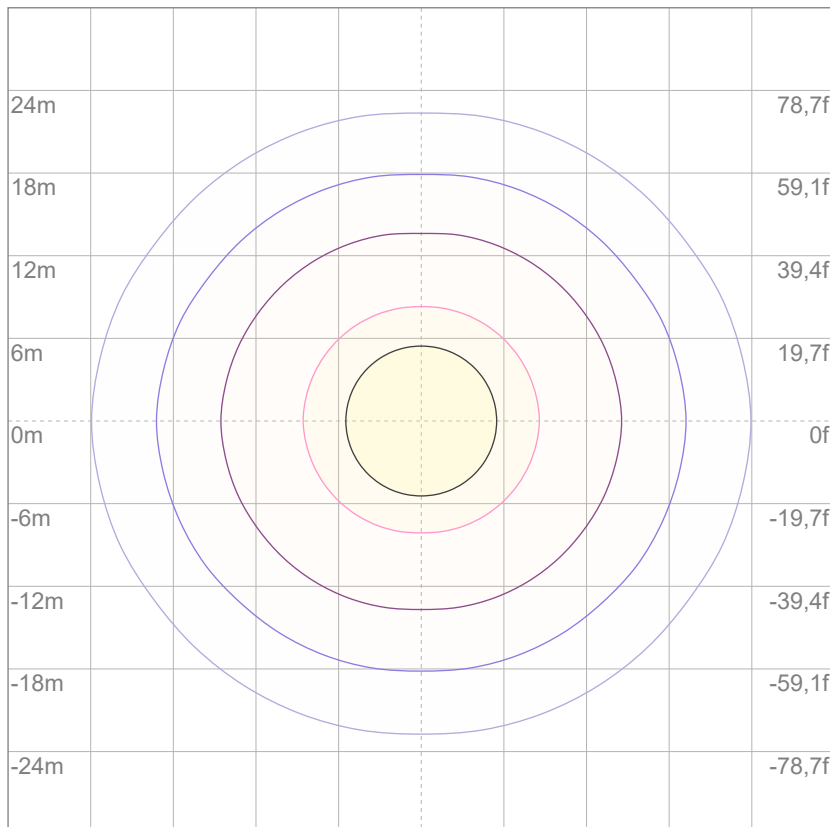
10%	671 cd
20%	1341 cd
30%	2012 cd
40%	2682 cd
50%	3353 cd
60%	4023 cd
70%	4694 cd
80%	5364 cd

Conditions:

Number of c-planes: 4

Candela at center: 6705 cd

ISO LUX DIAGRAM



3%	2,01 lx
5%	3,35 lx
10%	6,71 lx
30%	20,1 lx
50%	33,5 lx

Conditions:

Number of c-planes: 4

Lux at center: 67,1 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

6722 lm

Peak candela output:

4436 cd

Light quality:

CRI: 83,2

Color temperature:

7297 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 80°

Target:

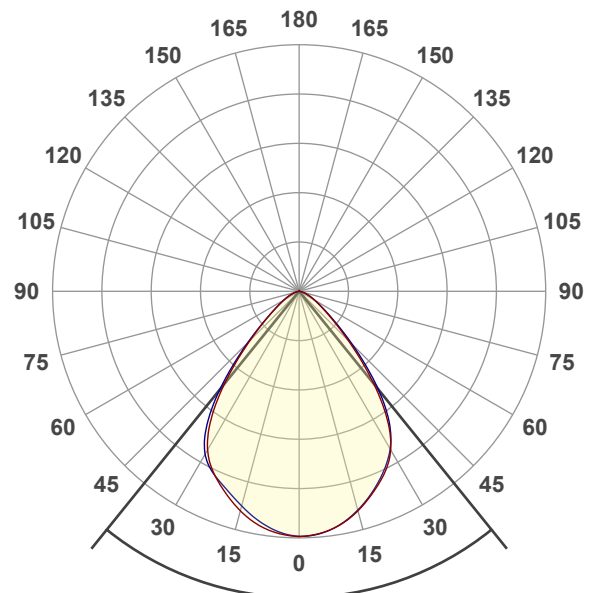
Cold White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:27:32

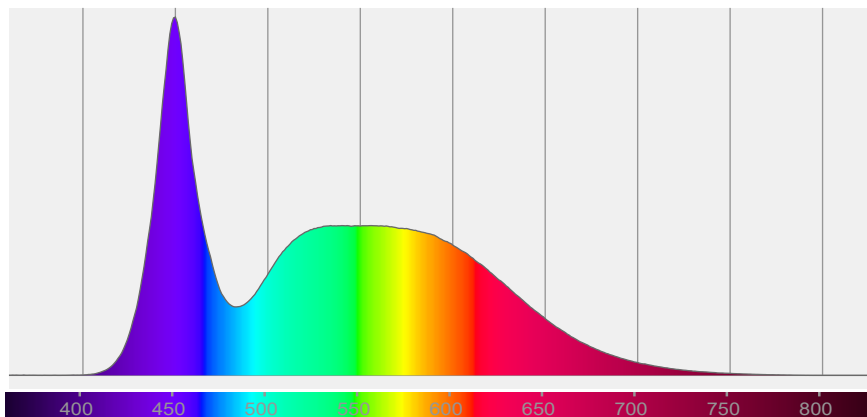


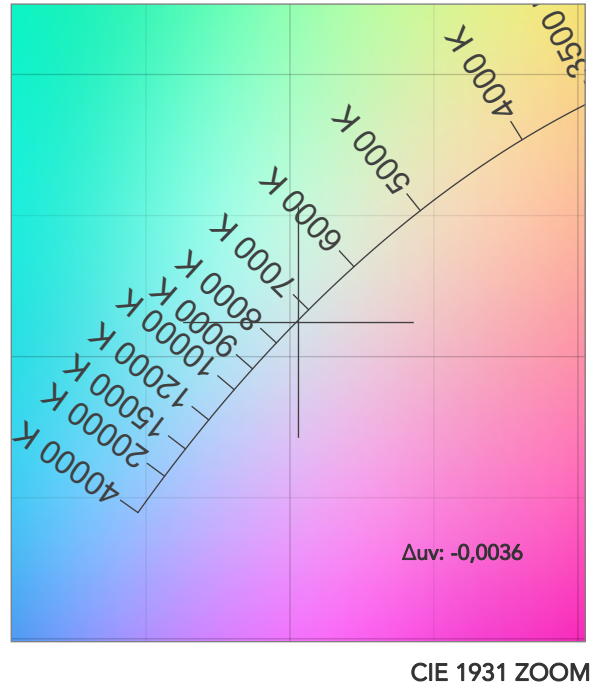
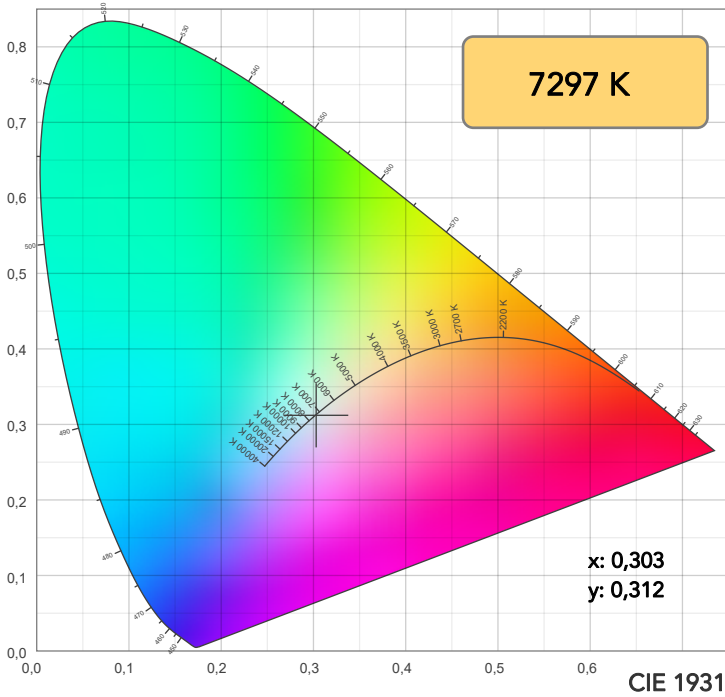
Beam angle 50%: 77,8°

Field angle 10%: 112,5°

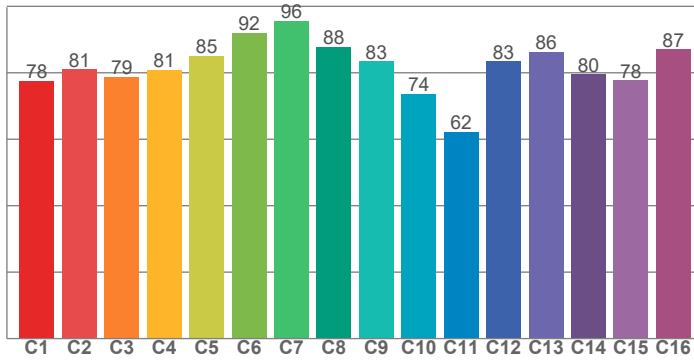
Cut off angle 2.5%: 142,8°

Spectra

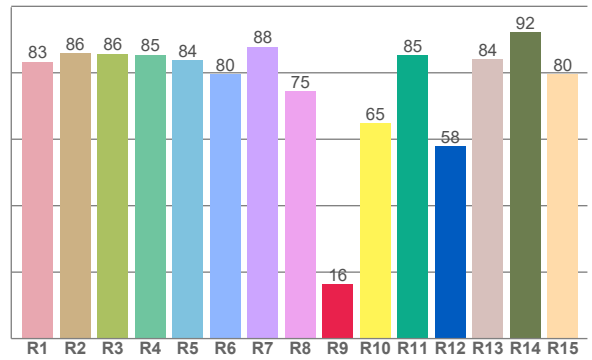




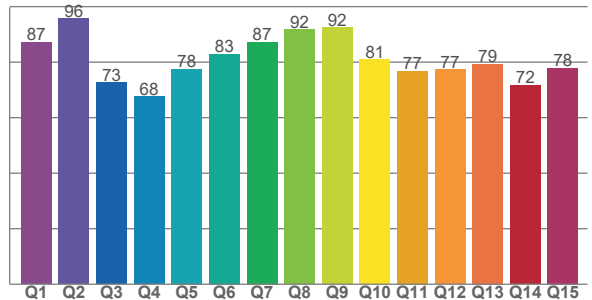
TM30: 82,0



CRI: 83,2 (R1-R8)



CQS: 79,7



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
83,3	85,9	85,7	85,4	83,7	79,5	87,9	74,5	16,3	64,8	85,3	57,8	84,0	92,1	79,5

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
77,6	81,0	78,8	80,8	85,2	92,0	95,6	87,7	83,4	73,7	62,3	83,5	86,3	79,6	77,7	87,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,2	95,7	72,6	67,6	77,6	82,9	87,3	91,8	92,4	80,9	76,8	77,3	79,4	71,7	78,0

COLOR PARAMETERS

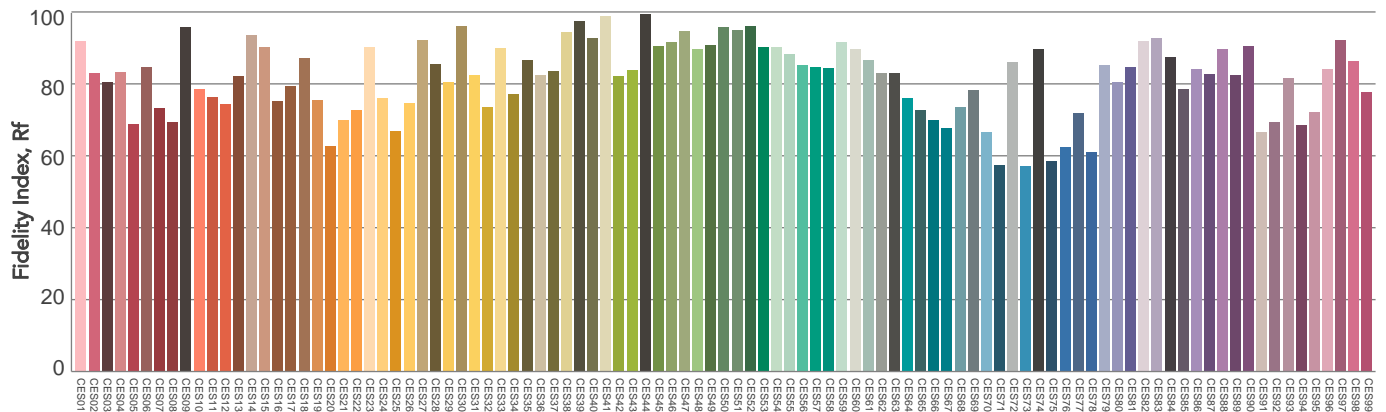
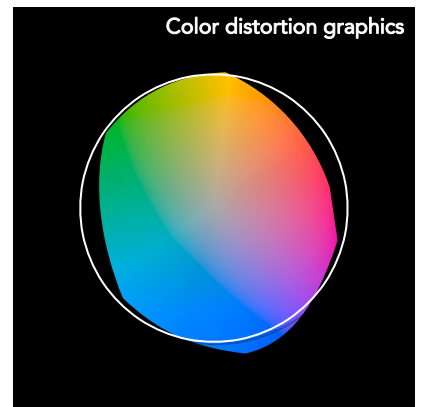
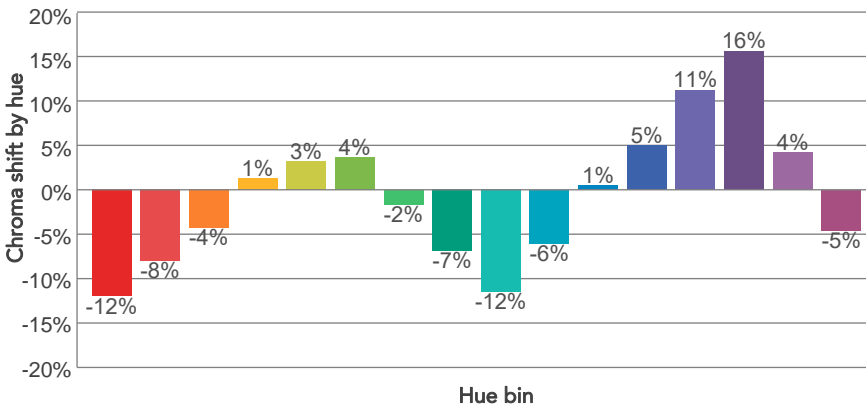
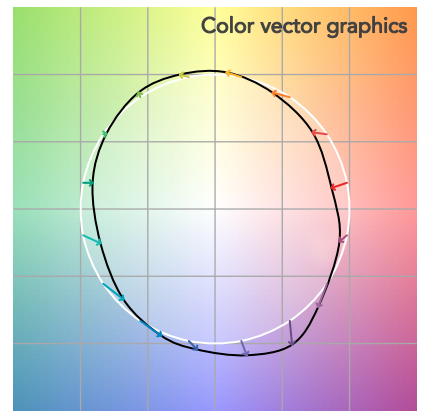
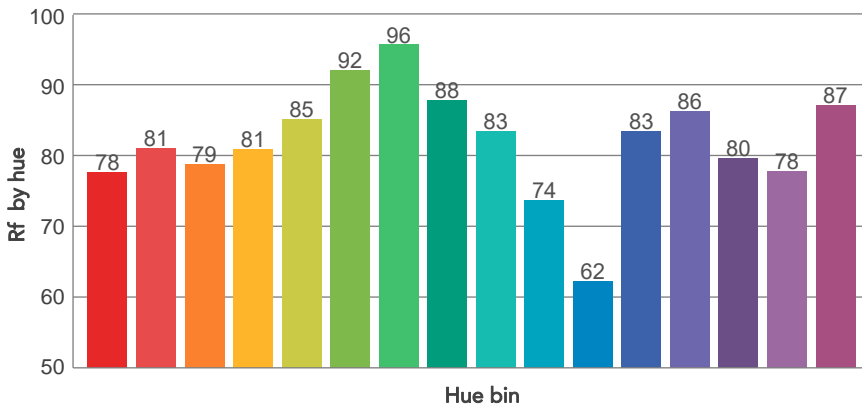
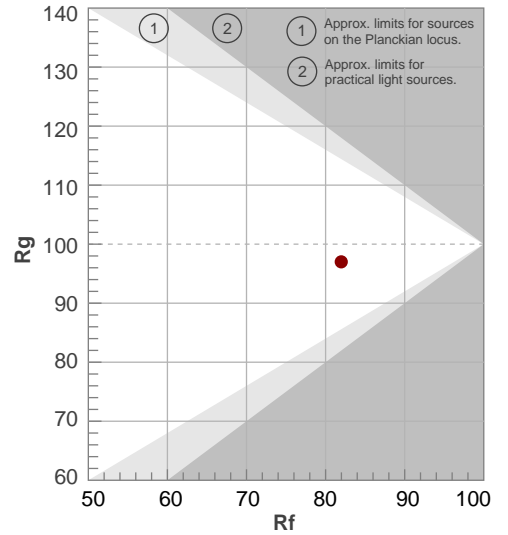
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7297 K	83,2	16,3	82,0	97,0	79,7	70	0,303	0,312	-0,0036

TM30 DETAILS

Rf 82,0
Fidelity index Rf

Rg 97,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-2%
2	81	-8%	7%
3	79	-4%	12%
4	81	1%	11%
5	85	3%	6%
6	92	4%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	83	-12%	8%
10	74	-6%	19%
12	83	5%	7%
13	86	11%	2%
14	80	16%	-8%
15	78	4%	-18%
16	87	-5%	-6%

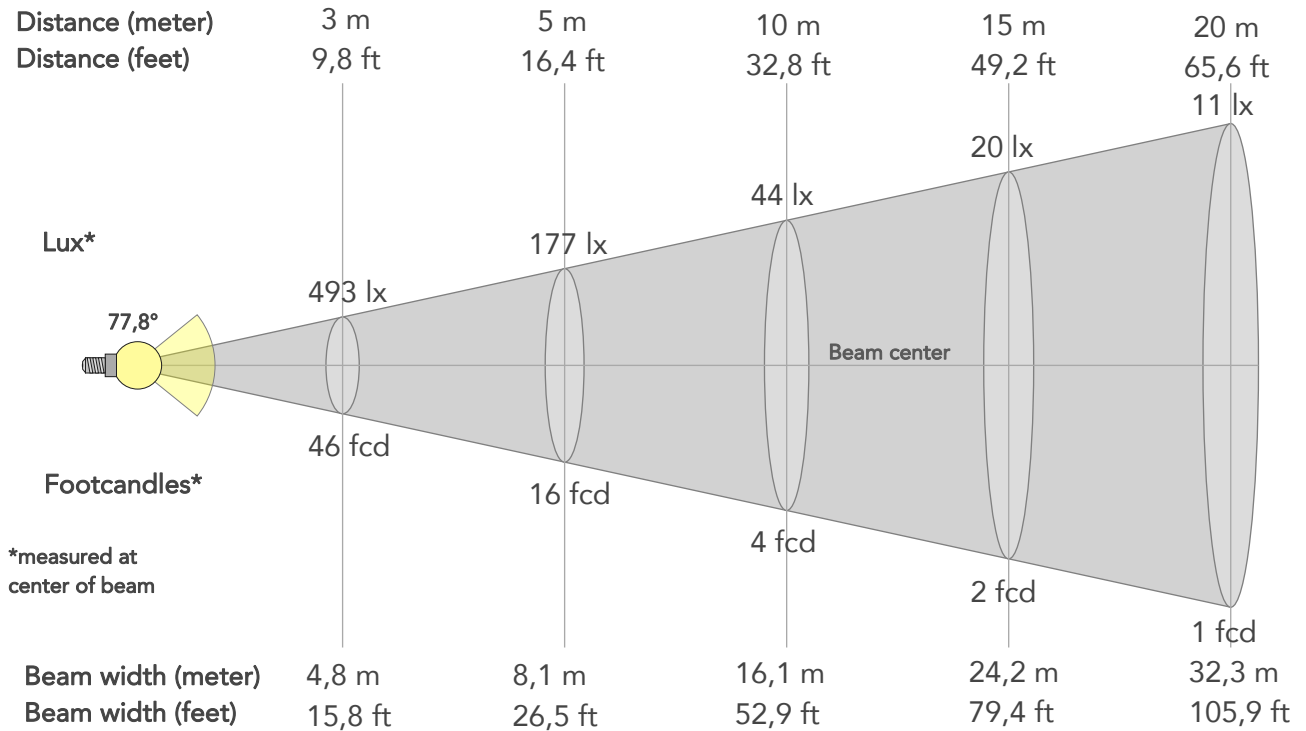


Color Evaluation Sample

BEAM DETAILS



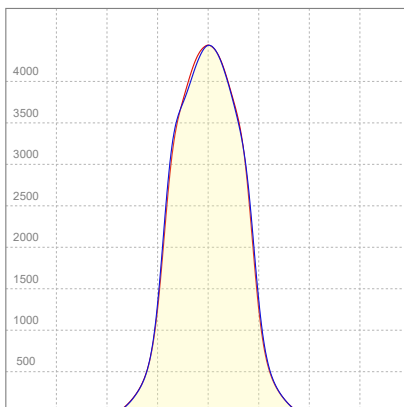
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
77,8°	112,5°	142,8°	95,7%	82,8%



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	4435lx	1109lx	493lx	277lx	177lx	79lx	44lx	20lx	11lx	7lx	5lx	3lx	2lx
Footcand.	412fcd	103fcd	46fcd	26fcd	16fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	1,6m	3,2m	4,8m	6,5m	8,1m	12,1m	16,1m	24,2m	32,3m	40,4m	48,4m	64,6m	80,7m
Beam wid.	5,3ft	10,7ft	15,8ft	21,1ft	26,5ft	39,7ft	52,9ft	79,4ft	105,9ft	132,4ft	158,8ft	211,8ft	264,7ft

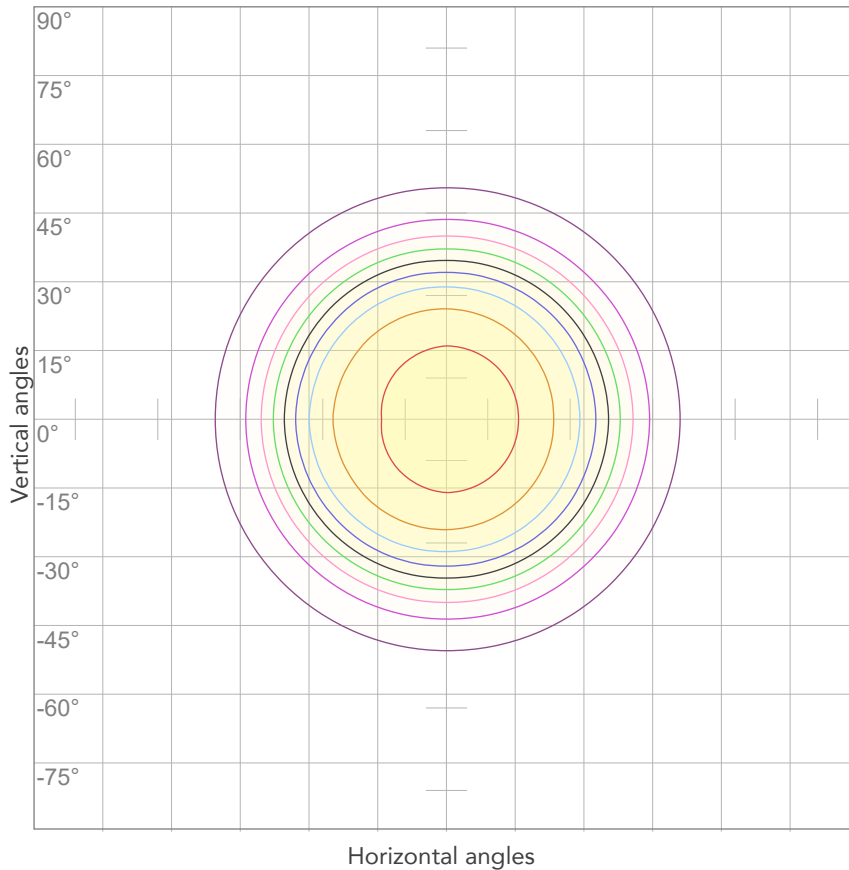
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,629A	130,9W	51lm/W

ISO CANDELA DIAGRAM



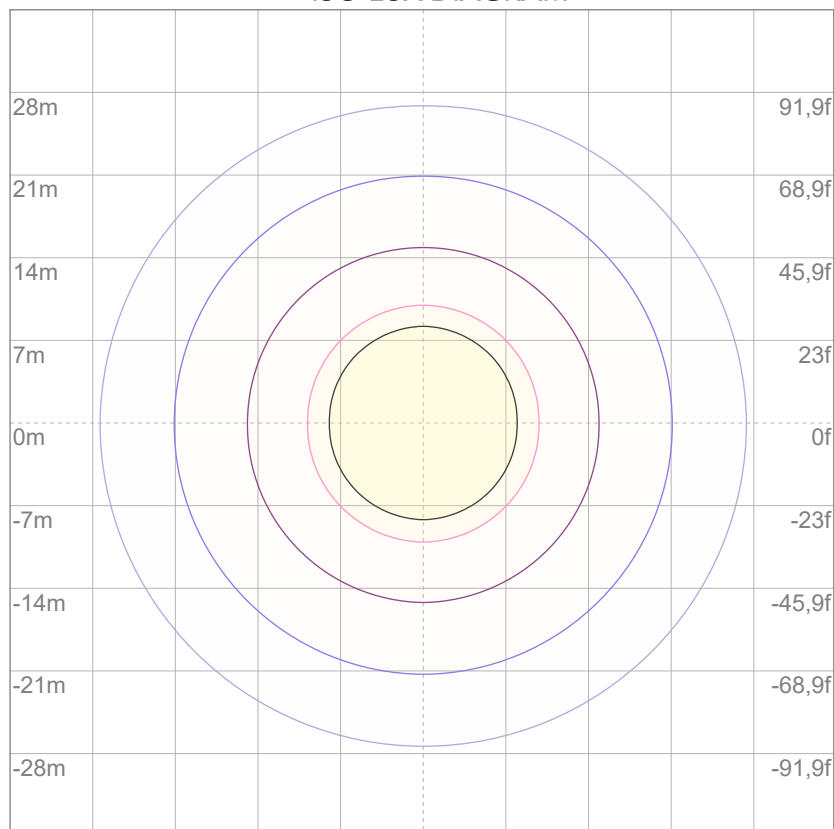
10%	443 cd
20%	887 cd
30%	1330 cd
40%	1774 cd
50%	2217 cd
60%	2661 cd
70%	3104 cd
80%	3548 cd

Conditions:

Number of c-planes: 4

Candela at center: 4435 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	1,33 lx
5%	2,22 lx
10%	4,43 lx
30%	13,3 lx
50%	22,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 44,3 lx

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



Total lumen output:

14695 lm

Peak candela output:

27959 cd

Light quality:

CRI: 83,7

Color temperature:

7295 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 10°x60°

Target:

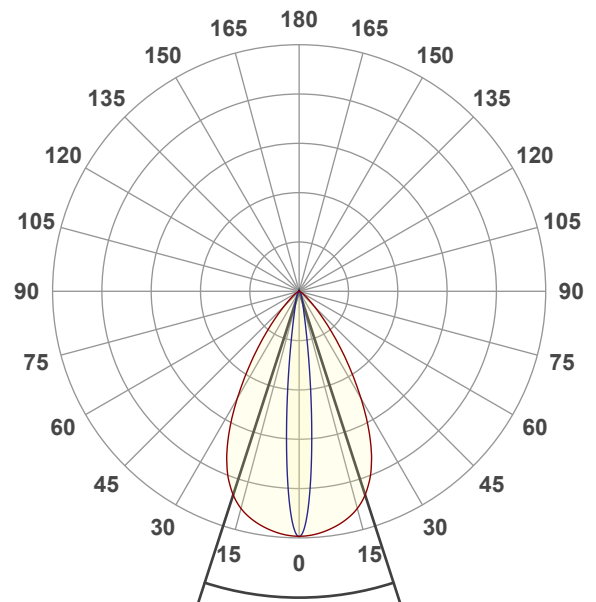
Cold White

Operator:

Nicola Savarese

Date and time:

15/07/2022 16:41:42

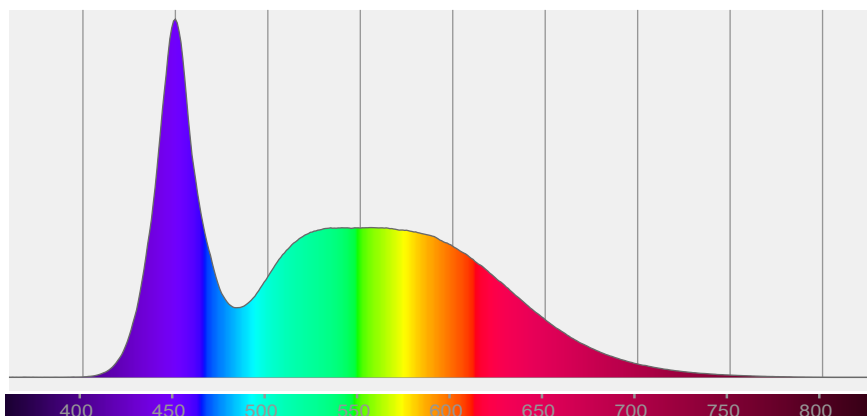


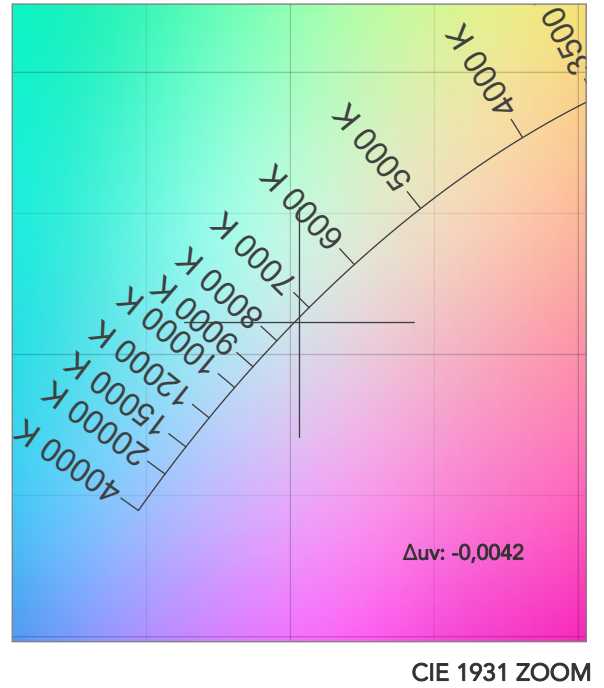
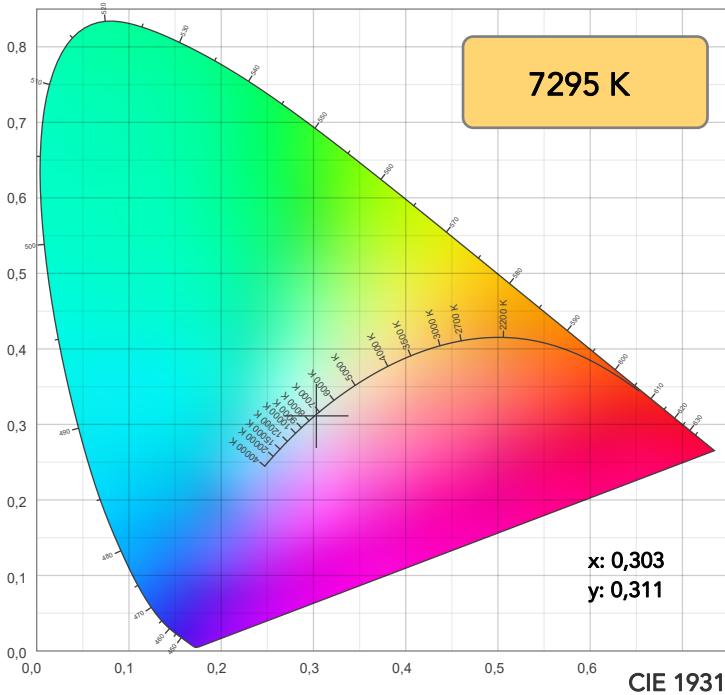
Beam angle 50%: 35,9°

Field angle 10%: 56,4°

Cut off angle 2.5%: 78,9°

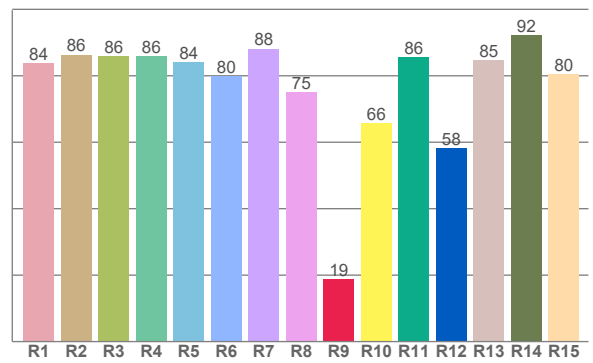
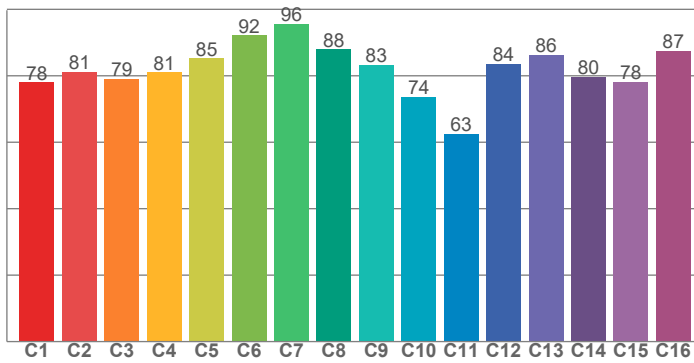
Spectra





TM30: 82,2

CRI: 83,7 (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
83,9	86,4	85,9	85,8	84,1	79,9	88,1	75,1	18,7	65,7	85,6	58,1	84,6	92,2	80,4

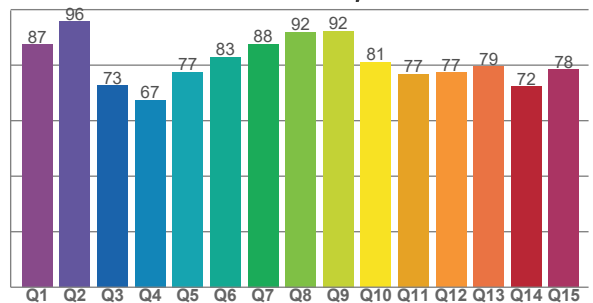
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,0	81,2	79,1	81,0	85,3	92,2	95,6	87,9	83,3	73,6	62,5	83,6	86,4	79,7	78,1	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,4	95,7	72,6	67,4	77,5	83,0	87,6	91,9	92,4	81,0	76,8	77,3	79,5	72,3	78,4

CQS: 79,8



COLOR PARAMETERS

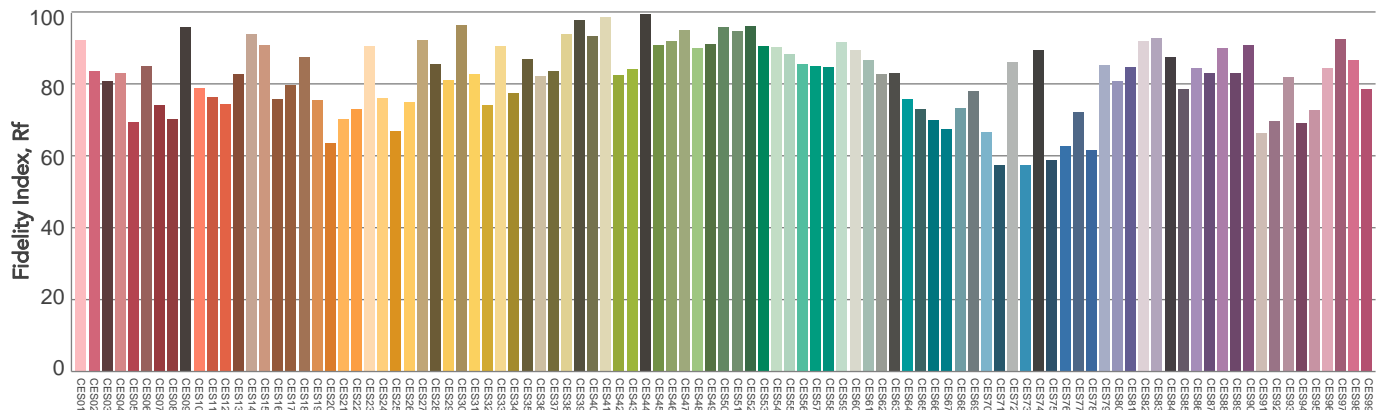
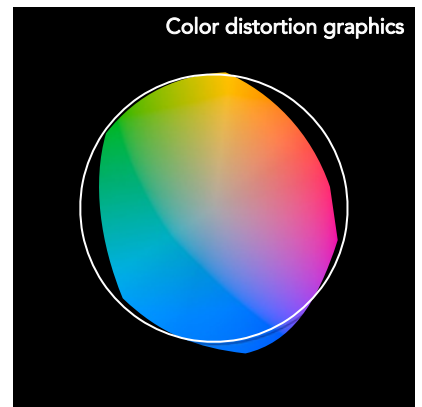
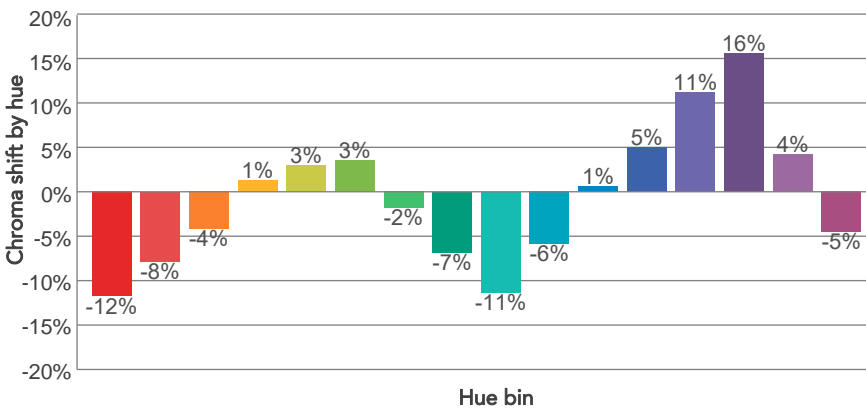
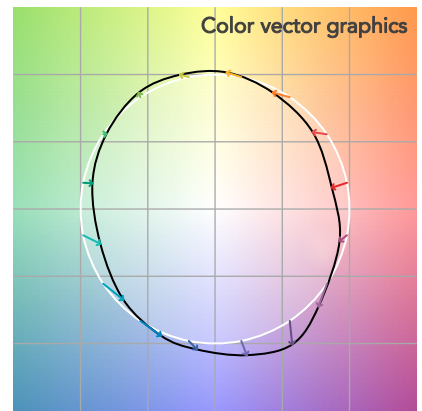
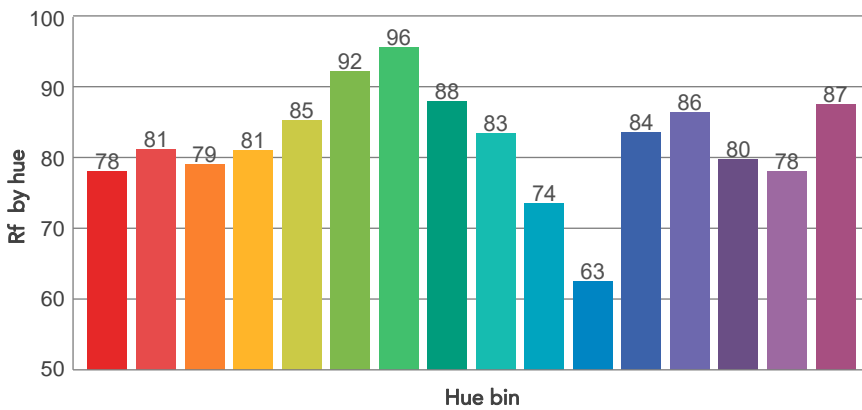
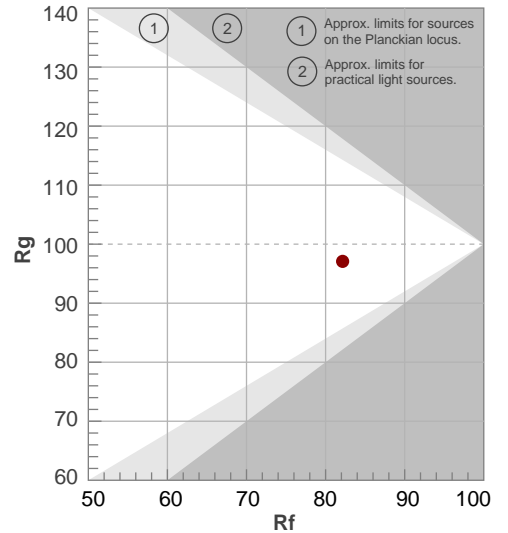
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7295 K	83,7	18,7	82,2	97,1	79,8	70	0,303	0,311	-0,0042

TM30 DETAILS

Rf 82,2
Fidelity index Rf

Rg 97,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	81	-8%	7%
3	79	-4%	12%
4	81	1%	11%
5	85	3%	6%
6	92	3%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	83	-11%	9%
10	74	-6%	18%
11	63	1%	19%
12	84	5%	7%
13	86	11%	2%
14	80	16%	-8%
15	78	4%	-18%
16	87	-5%	-5%

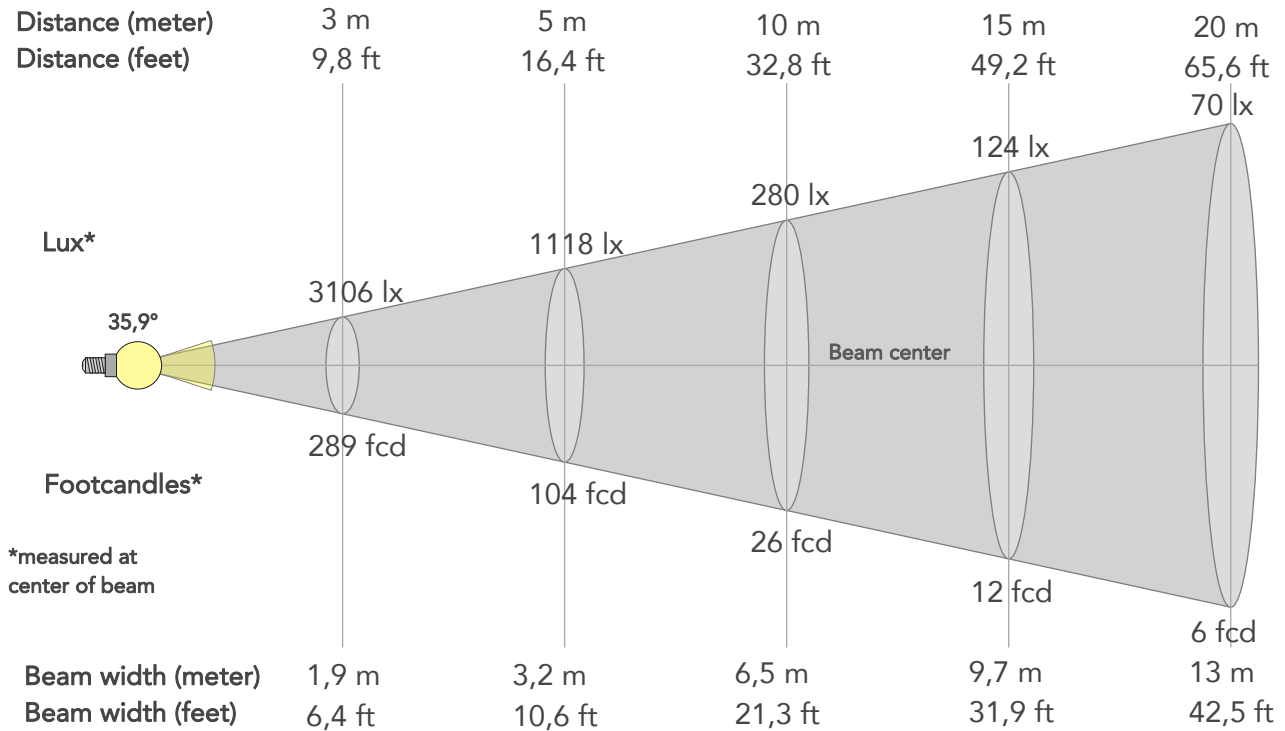


Color Evaluation Sample

BEAM DETAILS



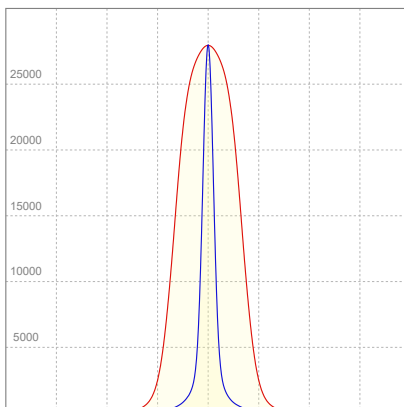
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35,9°	56,4°	78,9°	99,1%	94,4%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	27951lx	6988lx	3106lx	1747lx	1118lx	497lx	280lx	124lx	70lx	45lx	31lx	17lx	11lx
Footcand.	2597fcd	649fcd	289fcd	162fcd	104fcd	46fcd	26fcd	12fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,3m	1,9m	2,6m	3,2m	4,9m	6,5m	9,7m	13m	16,2m	19,4m	25,9m	32,4m
Beam wid.	2,1ft	4,3ft	6,4ft	8,5ft	10,6ft	15,9ft	21,3ft	31,9ft	42,5ft	53,1ft	63,8ft	85ft	106,3ft

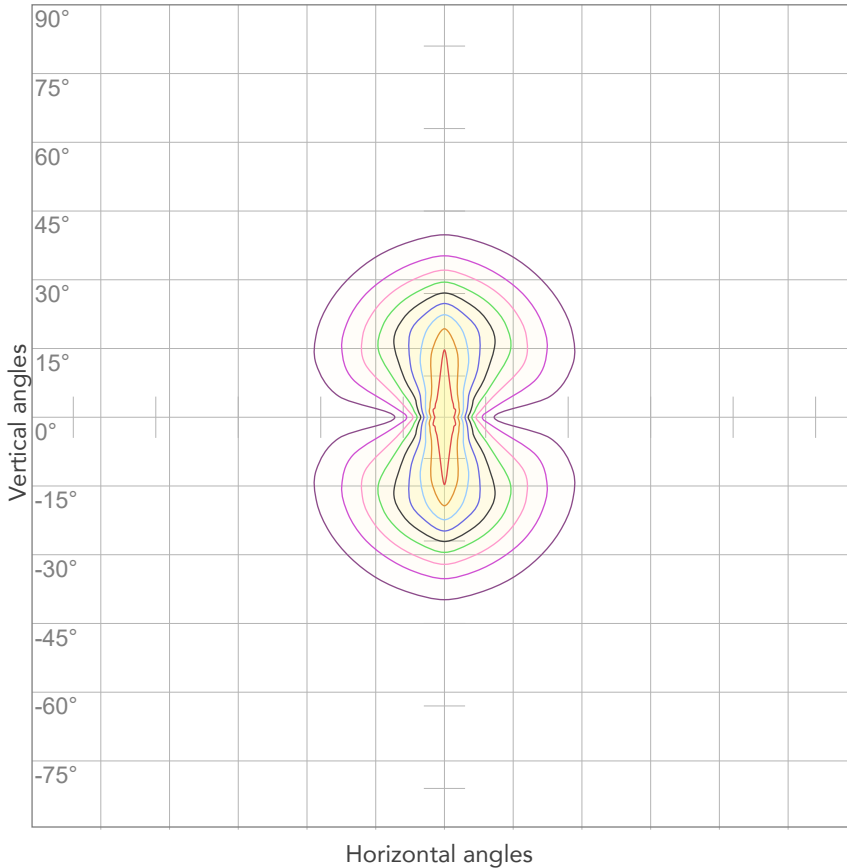
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,626A	130,4W	113lm/W

ISO CANDELA DIAGRAM



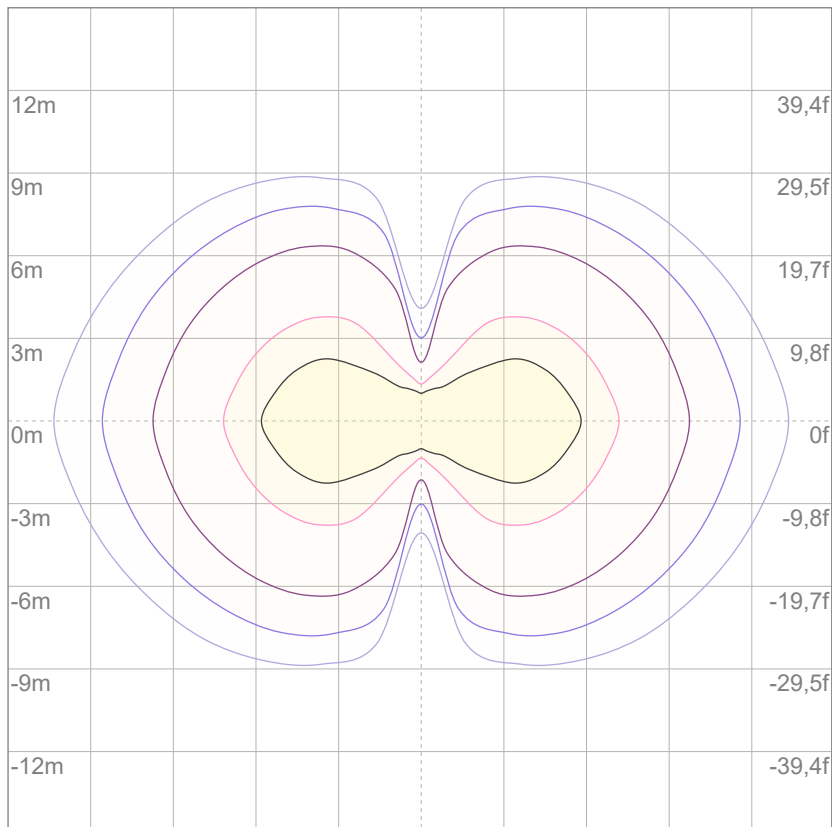
10%	2795 cd
20%	5590 cd
30%	8385 cd
40%	11180 cd
50%	13975 cd
60%	16771 cd
70%	19566 cd
80%	22361 cd

Conditions:

Number of c-planes: 4

Candela at center: 27951 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	8,39 lx
5%	14,0 lx
10%	28,0 lx
30%	83,9 lx
50%	140 lx

Conditions:

Number of c-planes: 4

Lux at center: 280 lx

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



Total lumen output:

7256 lm

Peak candela output:

10837 cd

Light quality:

CRI: 81,6

Color temperature:

2754 K

PRODUCT NAME:

ArcPod27 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°x60°

Target:

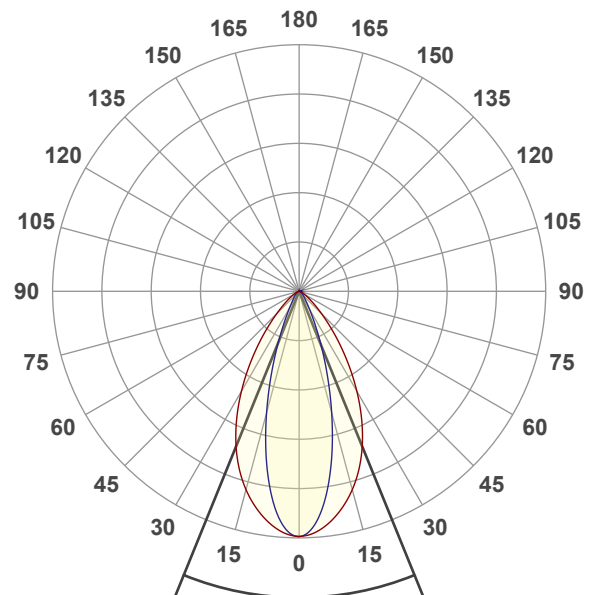
Cold White

Operator:

Nicola Savarese

Date and time:

18/07/2022 09:23:04

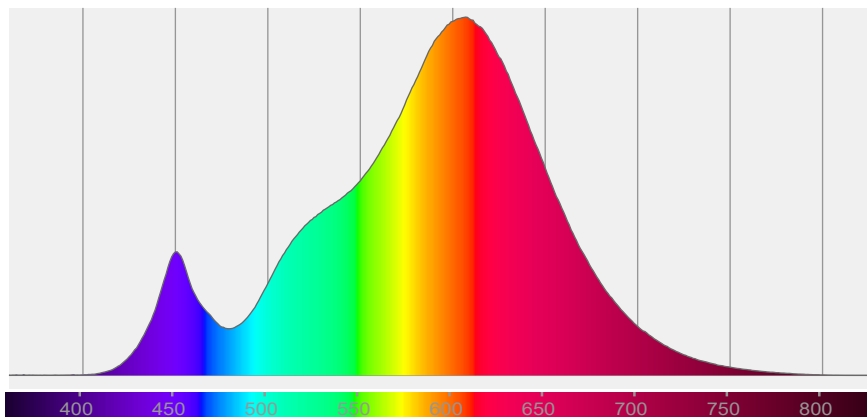


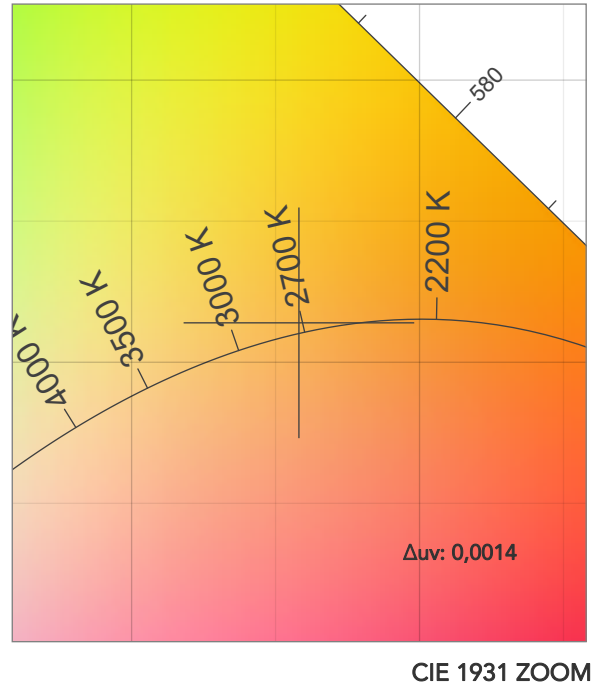
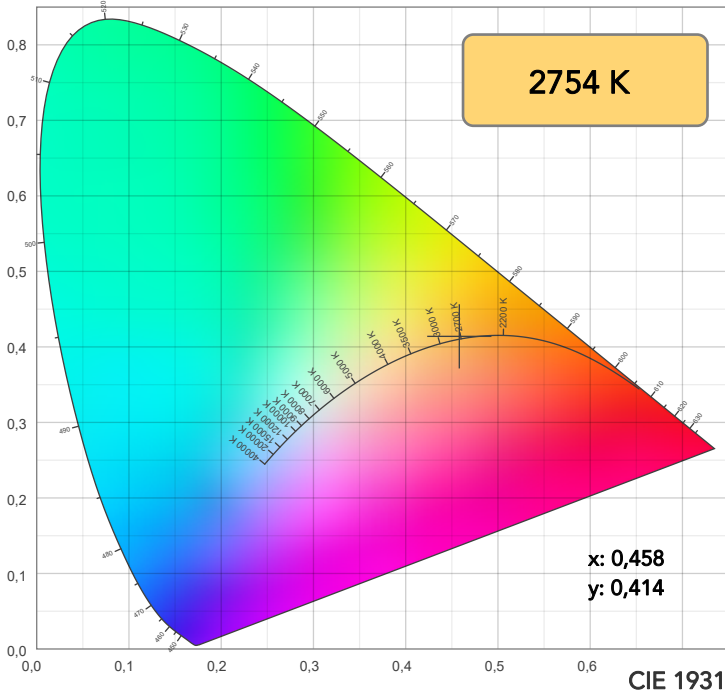
Beam angle 50%: 44,3°

Field angle 10%: 75,8°

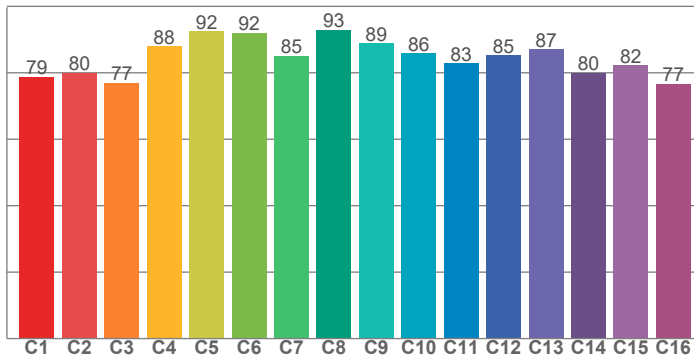
Cut off angle 2.5%: 104,4°

Spectra

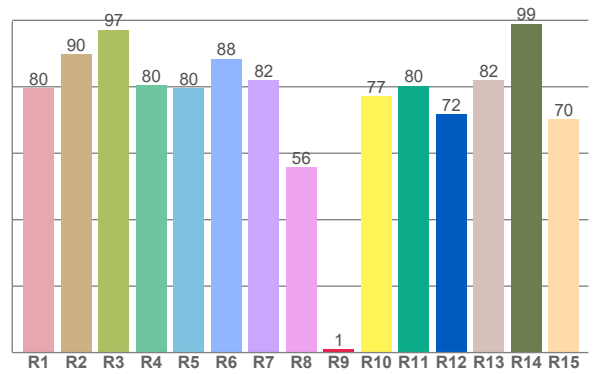




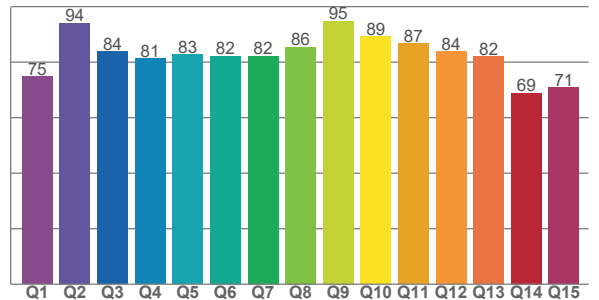
TM30: 84,5



CRI: 81,6 (R1-R8)



CQS: 81,3



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,6	89,7	97,2	80,4	79,6	88,5	81,9	55,8	1,1	77,1	80,4	71,7	81,9	99,0	70,2

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
78,7	80,0	77,0	88,0	92,4	92,0	85,1	92,9	88,9	85,9	82,8	85,2	87,0	80,0	82,2	76,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,8	94,1	83,8	81,2	82,7	82,2	82,3	85,5	94,8	89,2	86,8	83,8	82,0	68,8	70,8

COLOR PARAMETERS

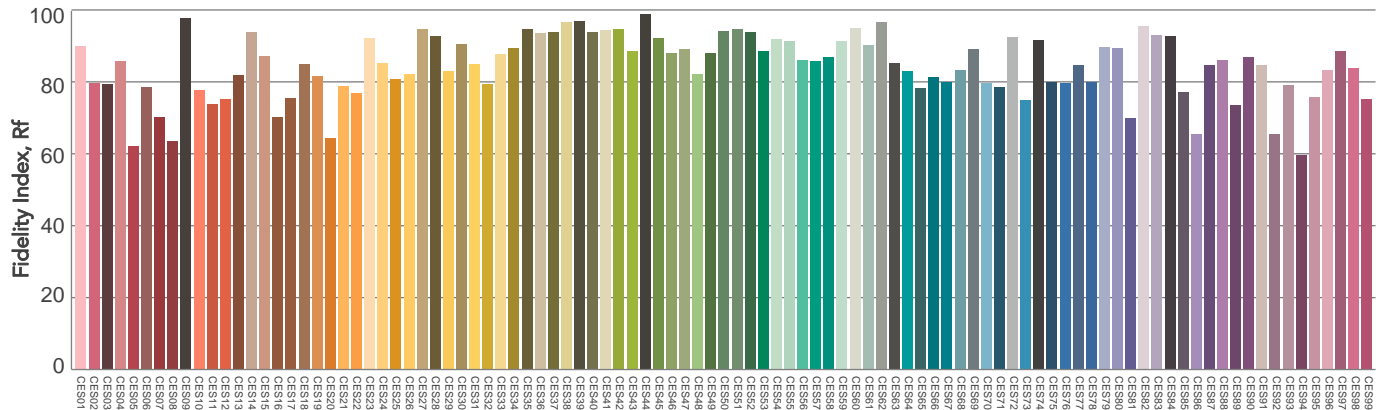
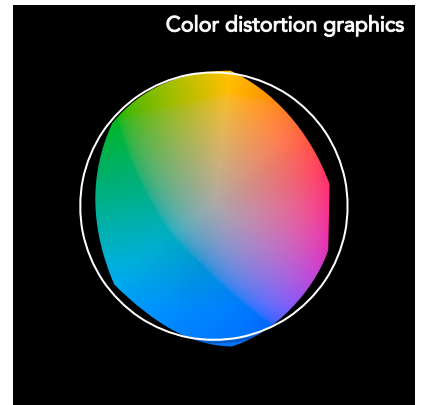
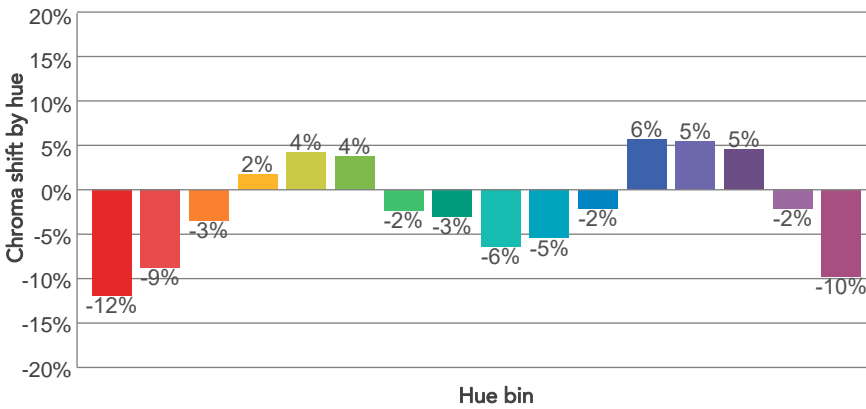
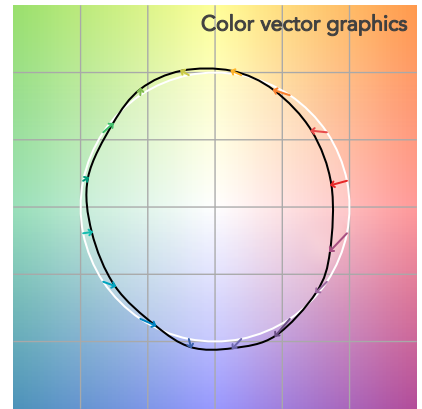
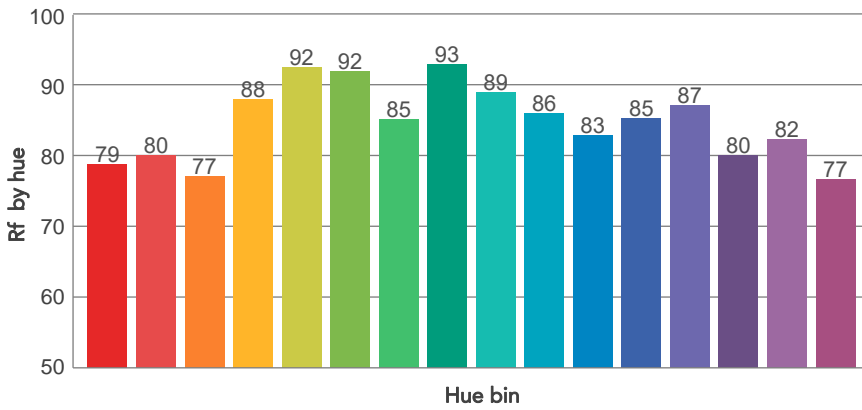
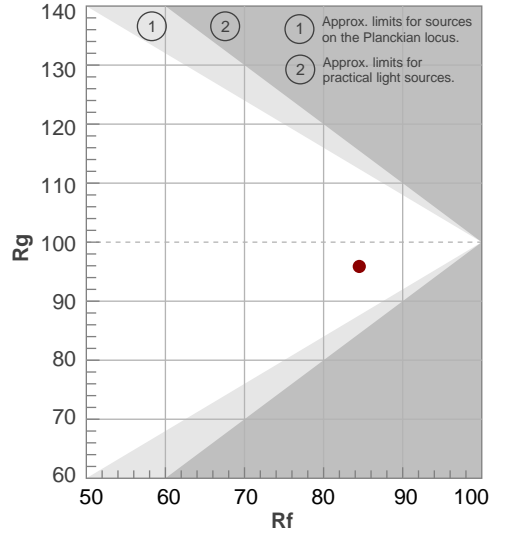
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2754 K	81,6	1,1	84,5	95,9	81,3	64	0,458	0,414	0,0014

TM30 DETAILS

Rf 84,5
Fidelity index Rf

Rg 95,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	7%
3	77	-3%	12%
4	88	2%	8%
5	92	4%	5%
6	92	4%	-3%
7	85	-2%	-9%
8	93	-3%	-3%
9	89	-6%	0%
10	86	-5%	7%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	5%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

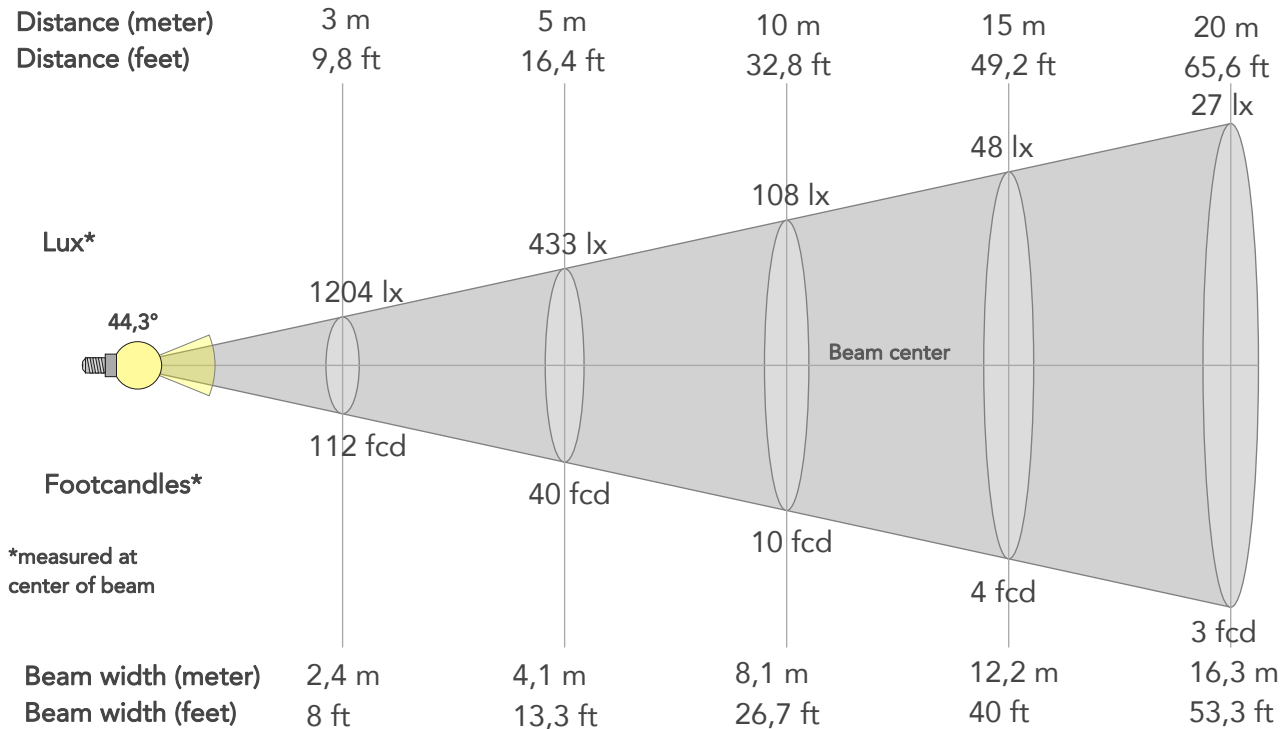


Color Evaluation Sample

BEAM DETAILS



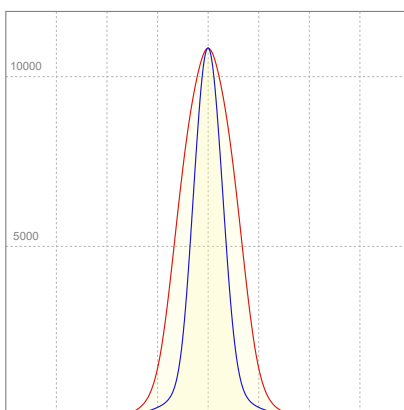
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44,3°	75,8°	104,4°	98,1%	90,6%



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	10837lx	2709lx	1204lx	677lx	433lx	193lx	108lx	48lx	27lx	17lx	12lx	7lx	4lx
Footcand.	1007fcd	252fcd	112fcd	63fcd	40fcd	18fcd	10fcd	4fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,8m	1,6m	2,4m	3,3m	4,1m	6,1m	8,1m	12,2m	16,3m	20,3m	24,4m	32,5m	40,7m
Beam wid.	2,7ft	5,4ft	8ft	10,7ft	13,3ft	20ft	26,7ft	40ft	53,3ft	66,7ft	80ft	106,7ft	133,4ft

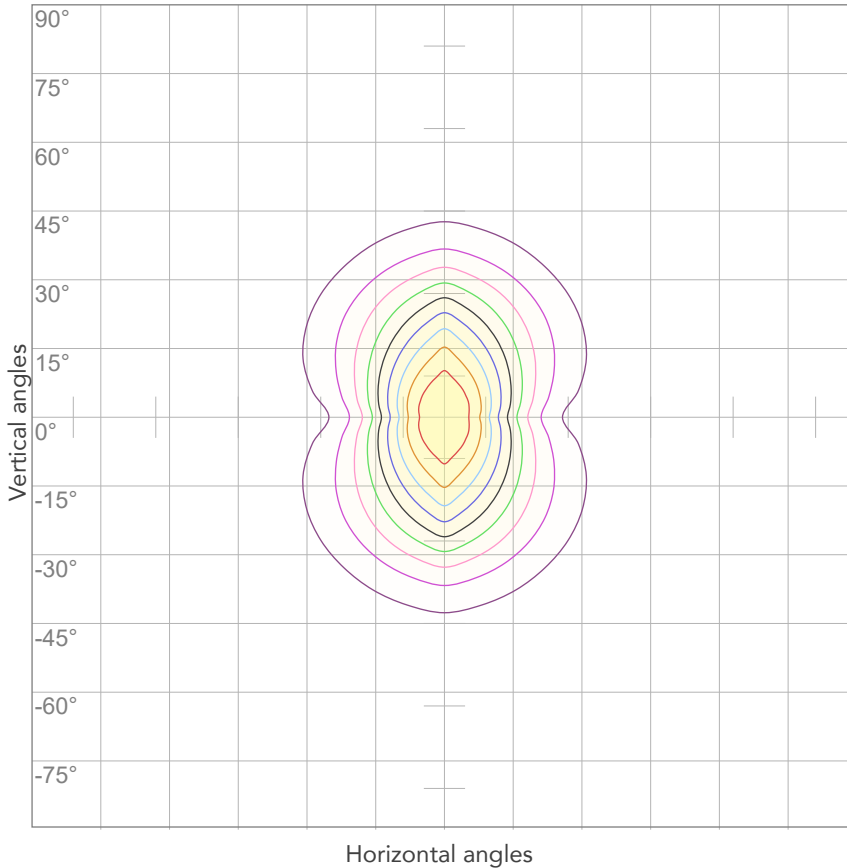
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,628A	129,9W	56lm/W

ISO CANDELA DIAGRAM



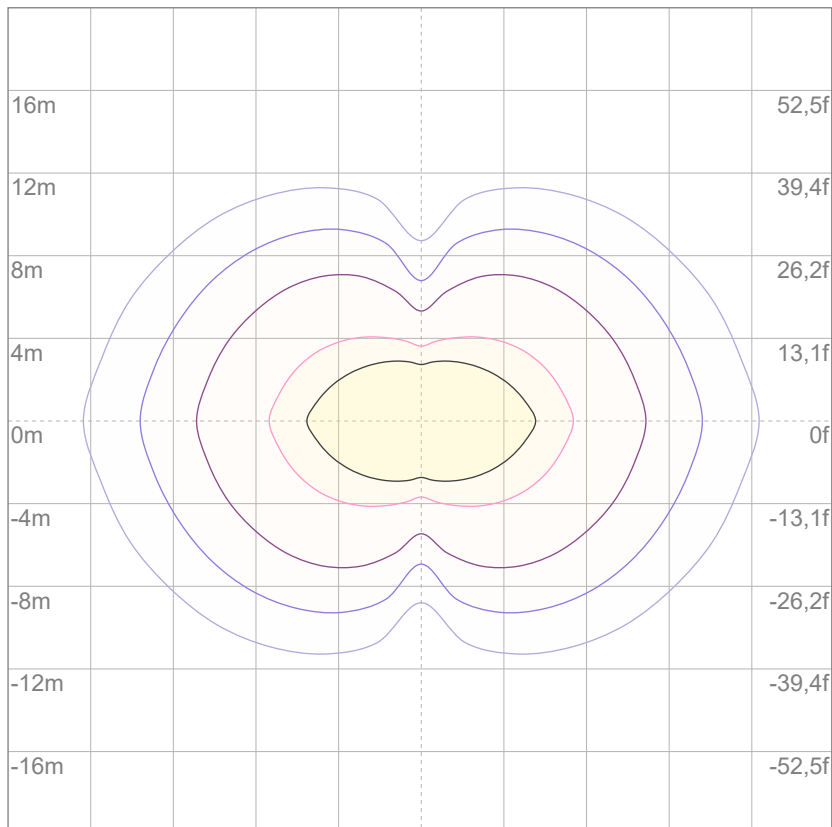
10%	1084 cd
20%	2167 cd
30%	3251 cd
40%	4335 cd
50%	5419 cd
60%	6502 cd
70%	7586 cd
80%	8670 cd

Conditions:

Number of c-planes: 4

Candela at center: 10837 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	3,25 lx
5%	5,42 lx
10%	10,8 lx
30%	32,5 lx
50%	54,2 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.