

Photometric Test Report



ARCPOD48VW

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

CONTENTS

Table of contents	2
Testing process	3
White preset Neutral White (Full On)	
Beam angle 15°	4
Beam angle 15°+ (F20°)	9
Beam angle 15°+ (F30°)	14
Beam angle 15°+ (F40°)	19
Beam angle 15°+ (F60°)	24
Beam angle 15°+ (F80°)	29
Beam angle 15°+ (F10°x60°)	34
Beam angle 15°+ (F30°x60°)	39
White preset Warm White (WW)	
Beam angle 15°	44
Beam angle 15°+ (F20°)	49
Beam angle 15°+ (F30°)	54
Beam angle 15°+ (F40°)	59
Beam angle 15°+ (F60°)	64
Beam angle 15°+ (F80°)	69
Beam angle 15°+ (F10°x60°)	74
Beam angle 15°+ (F30°x60°)	79
White preset Cold White (CW)	
Beam angle 15°	84
Beam angle 15°+ (F20°)	89
Beam angle 15°+ (F30°)	94
Beam angle 15°+ (F40°)	99
Beam angle 15°+ (F60°)	104
Beam angle 15°+ (F80°)	109
Beam angle 15°+ (F10°x60°)	114
Beam angle 15°+ (F30°x60°)	119

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:

25309 lm

Peak candela output:

493744 cd

Light quality:

CRI: 85,8

Color temperature:

4241 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

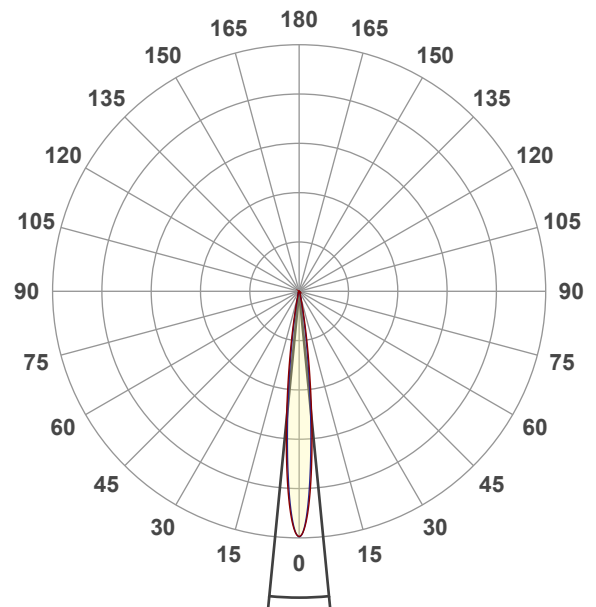
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:11:31

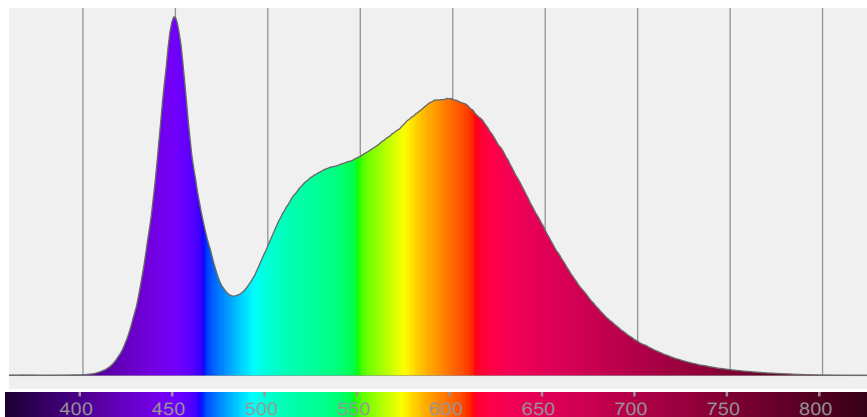


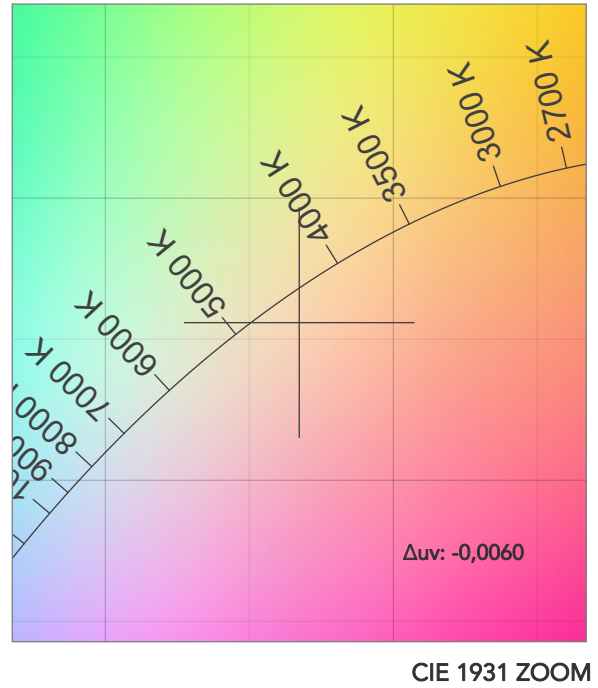
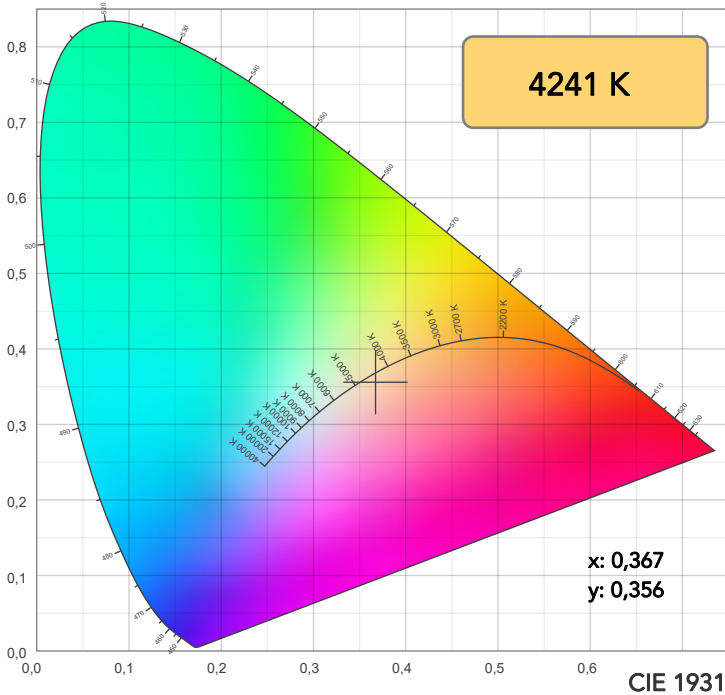
Beam angle 50%: 11,2°

Field angle 10%: 20,6°

Cut off angle 2.5%: 29°

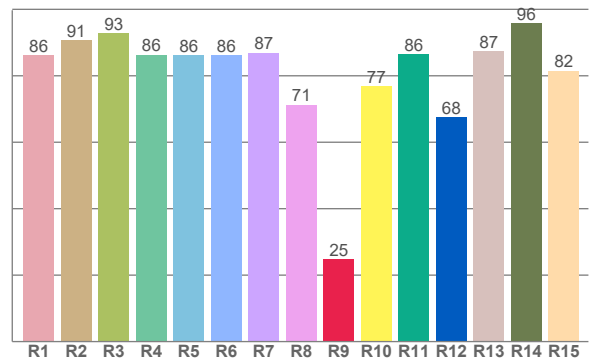
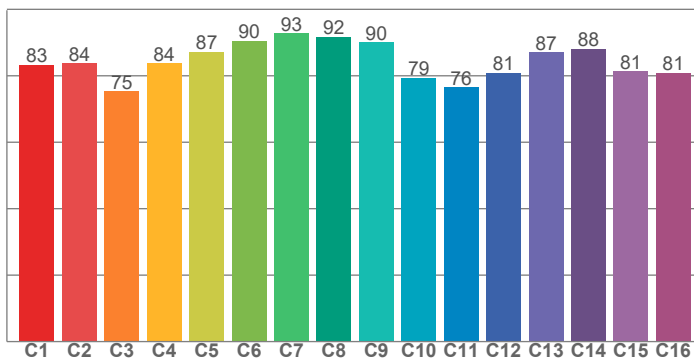
Spectra





TM30: 84,0

CRI: 85,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
86,2	90,7	92,7	86,4	86,2	86,2	86,9	71,3	24,7	76,9	86,4	67,6	87,5	95,8	81,5

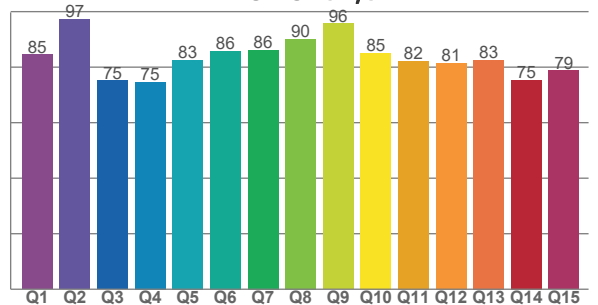
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	83,8	75,3	83,7	87,2	90,4	92,7	91,7	90,0	79,4	76,4	80,8	87,0	88,0	81,4	80,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,6	97,3	75,2	74,7	82,6	85,7	86,2	90,1	95,8	85,1	82,2	81,4	82,6	75,4	78,7

CQS: 82,6



COLOR PARAMETERS

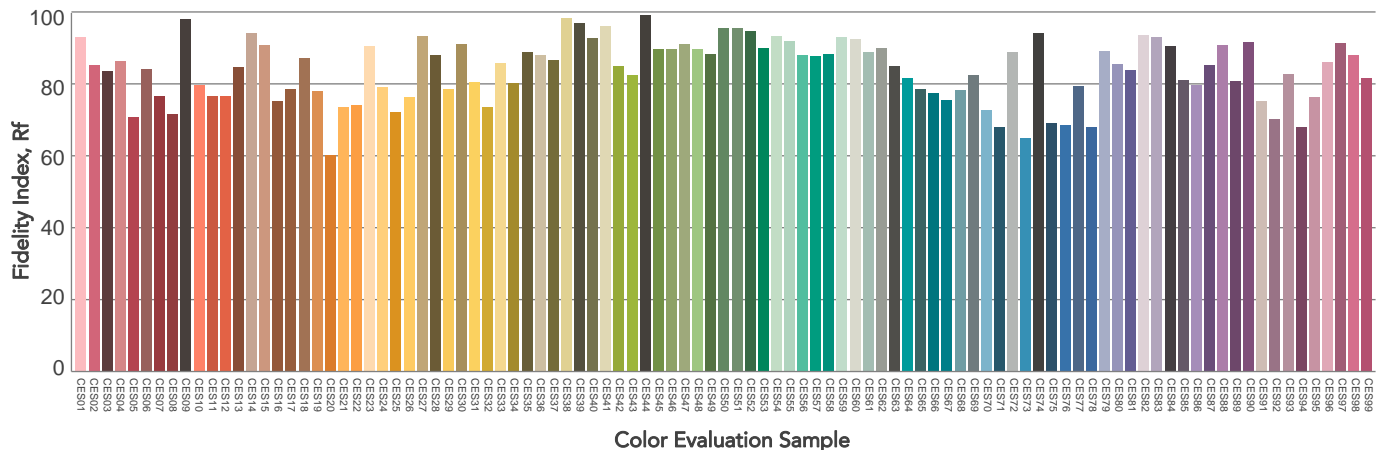
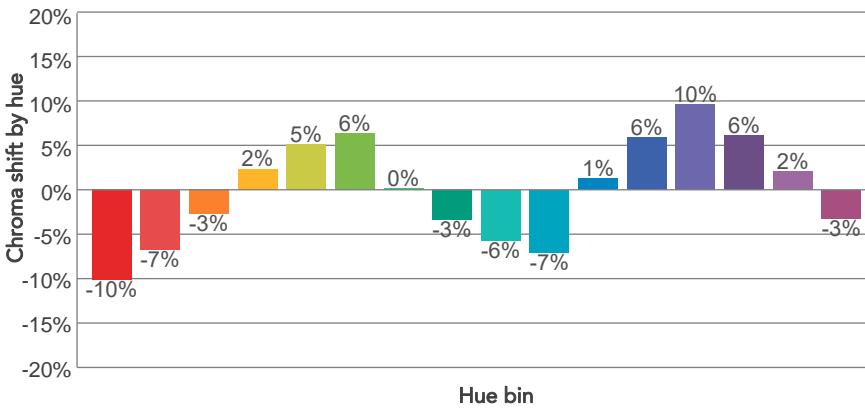
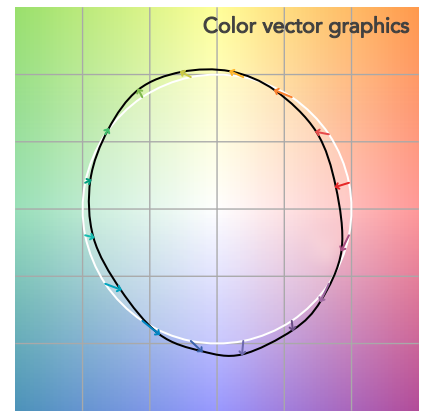
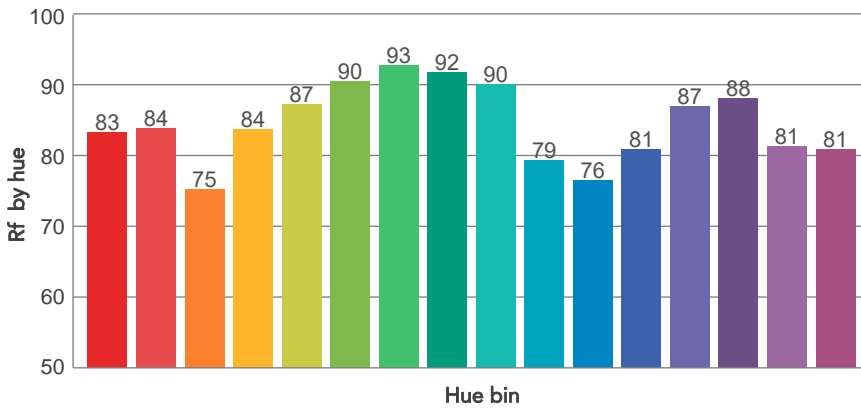
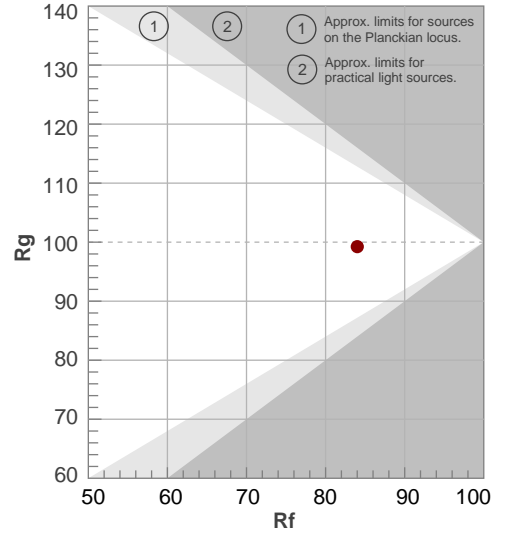
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4241 K	85,8	24,7	84,0	99,2	82,6	70	0,367	0,356	-0,0060

TM30 DETAILS

Rf 84,0
Fidelity index Rf

Rg 99,2
Gammut index

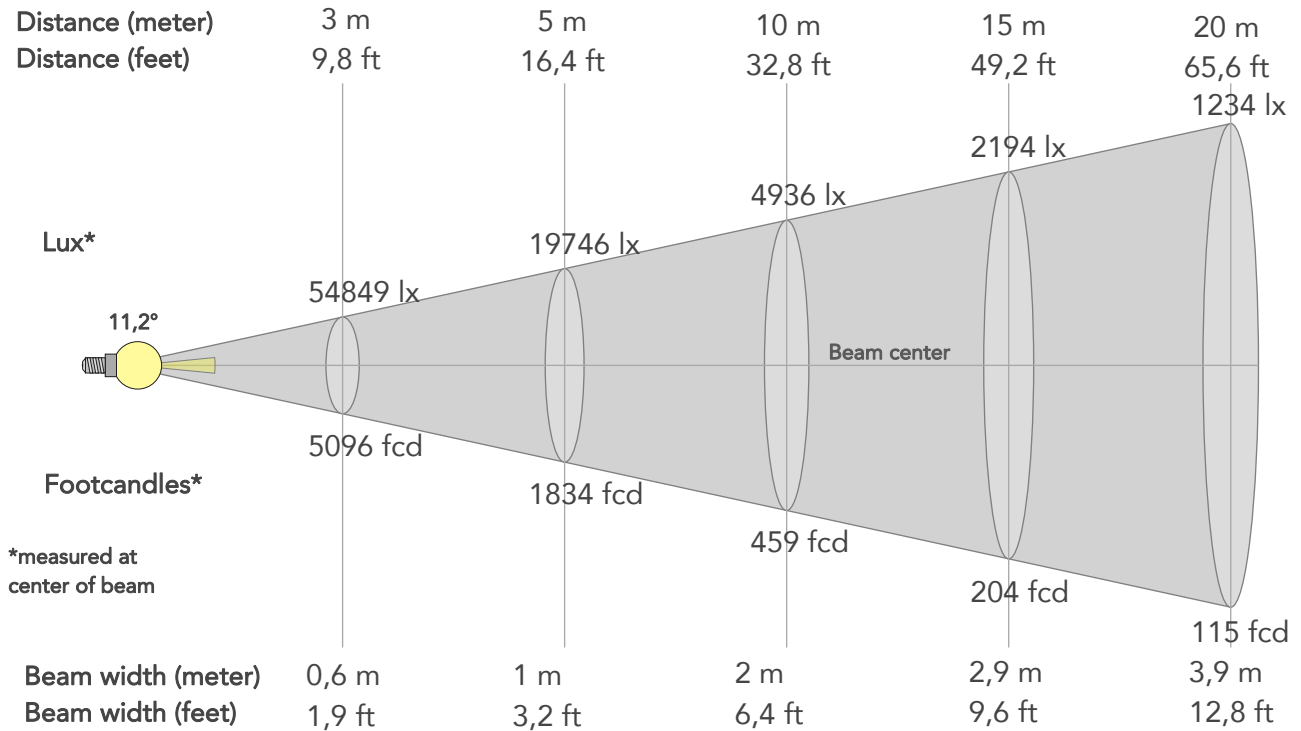
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	75	-3%	13%
4	84	2%	10%
5	87	5%	6%
6	90	6%	-1%
7	93	0%	-4%
8	92	-3%	-3%
9	90	-6%	3%
10	79	-7%	10%
11	76	1%	16%
12	81	6%	9%
13	87	10%	-3%
14	88	6%	-3%
15	81	2%	-14%
16	81	-3%	-12%



BEAM DETAILS



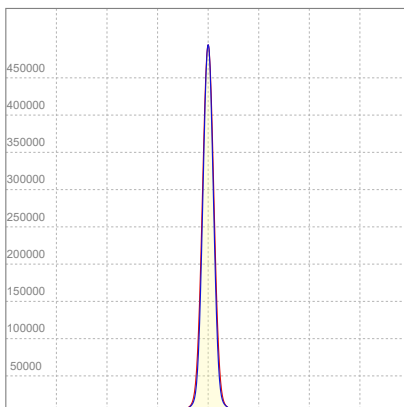
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,2°	20,6°	29°	100,0%	99,9%



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	493643lx	123411lx	54849lx	30853lx	19746lx	8776lx	4936lx	2194lx	1234lx	790lx	548lx	309lx	197lx
Footcand.	45861fcd	11465fcd	5096fcd	2866fcd	1834fcd	815fcd	459fcd	204fcd	115fcd	73fcd	51fcd	29fcd	18fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	2,9m	3,9m	4,9m	5,9m	7,8m	9,8m
Beam wid.	0,6ft	1,3ft	1,9ft	2,6ft	3,2ft	4,8ft	6,4ft	9,6ft	12,8ft	16,1ft	19,3ft	25,7ft	32,1ft

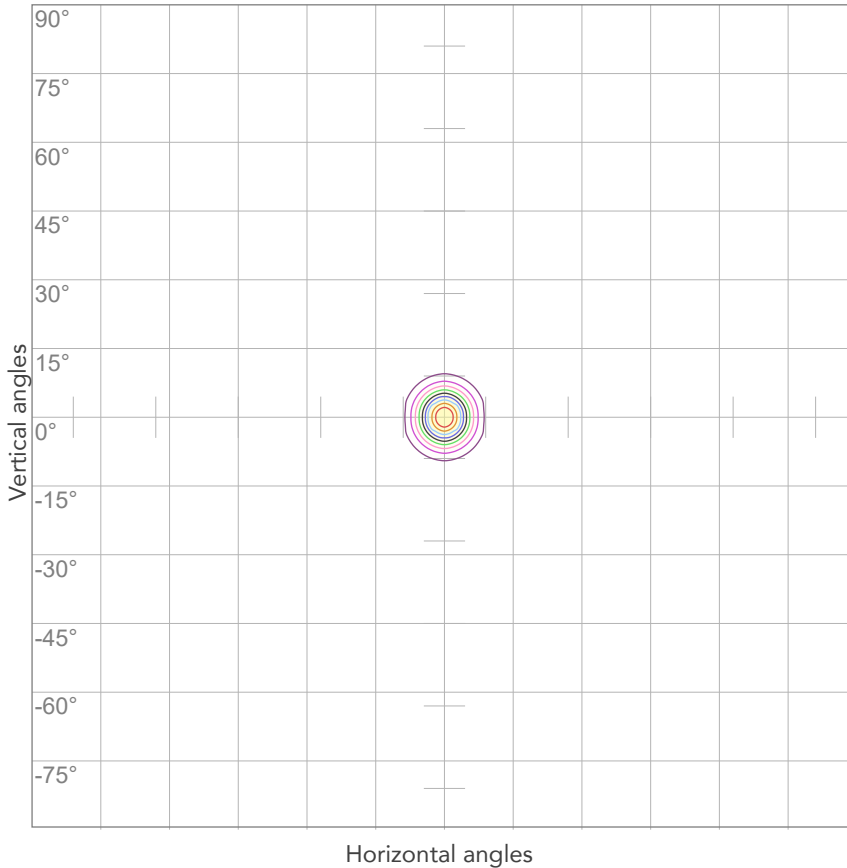
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	2,07A	443,7W	57lm/W
Power Fc			
0,96			

ISO CANDELA DIAGRAM



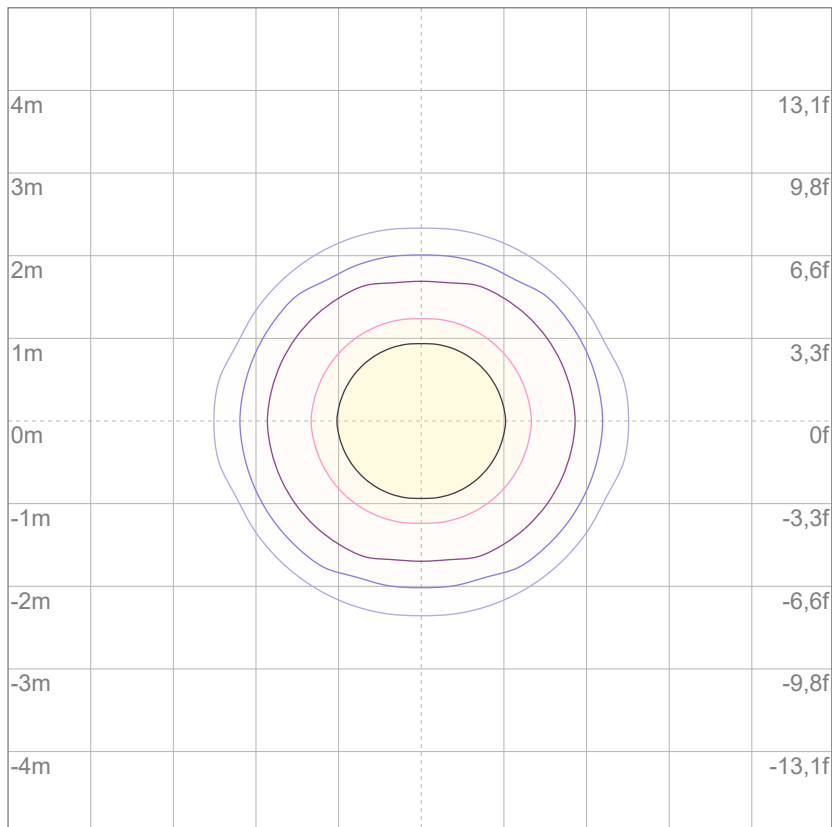
10%	49364 cd
20%	98729 cd
30%	148093 cd
40%	197457 cd
50%	246822 cd
60%	296186 cd
70%	345550 cd
80%	394915 cd

Conditions:

Number of c-planes: 4

Candela at center: 493643 cd

ISO LUX DIAGRAM



3%	148 lx
5%	247 lx
10%	494 lx
30%	1481 lx
50%	2468 lx

Conditions:

Number of c-planes: 4

Lux at center: 4936 lx

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



Total lumen output:

24786 lm

Peak candela output:

99888 cd

Light quality:

CRI: 85,8

Color temperature:

4249 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 20°Filter

Target:

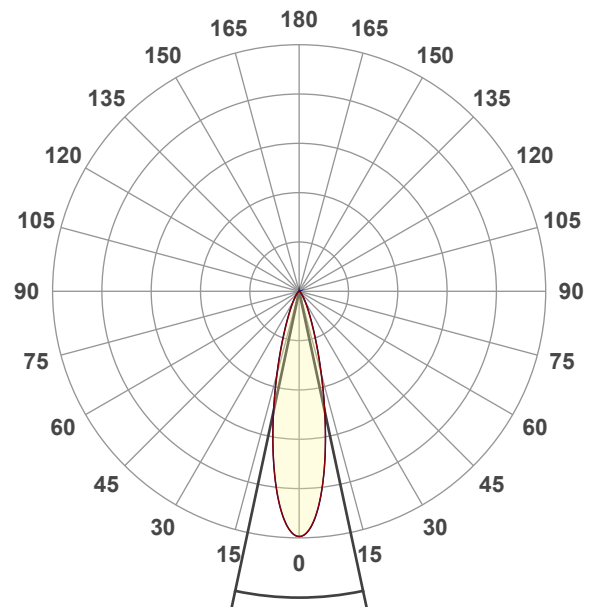
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:28:41

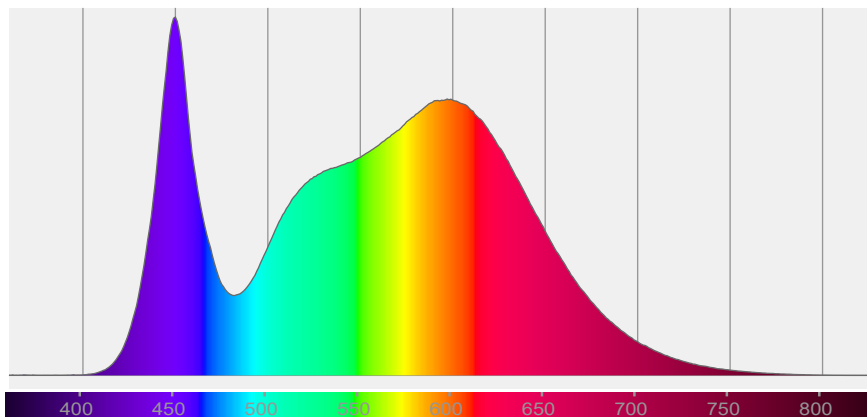


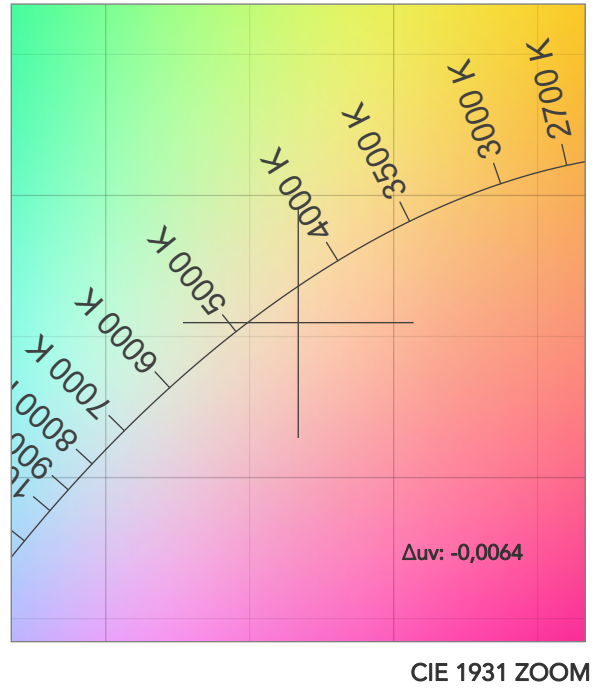
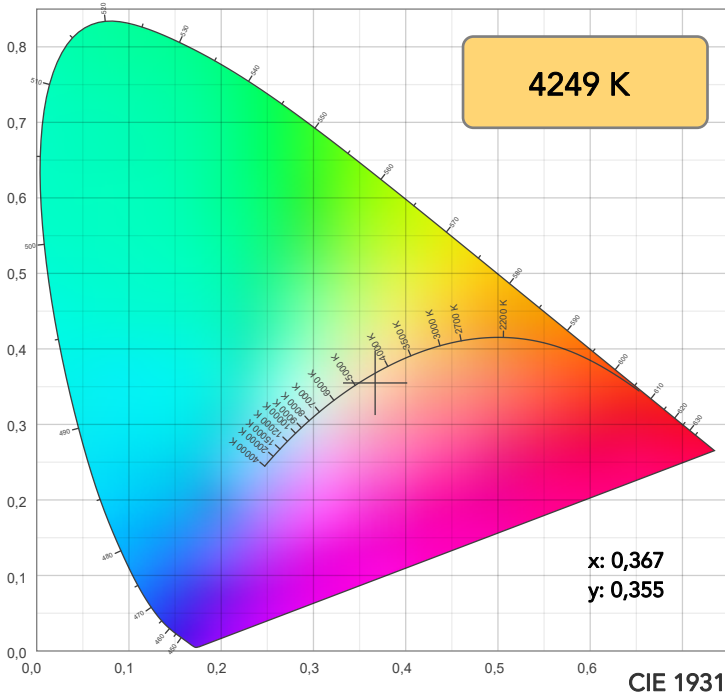
Beam angle 50%: 24,1°

Field angle 10%: 48,5°

Cut off angle 2.5%: 72,4°

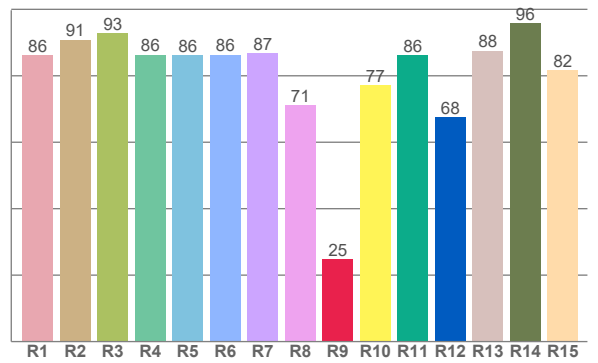
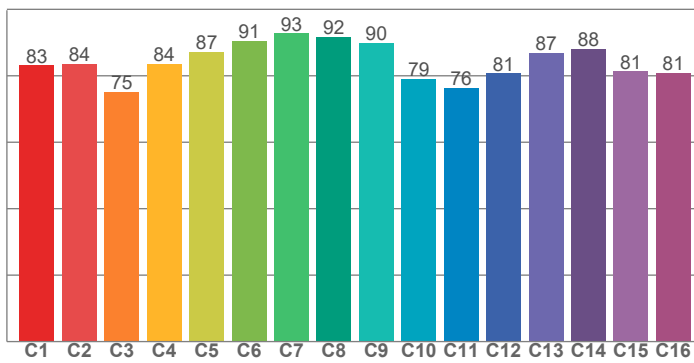
Spectra





TM30: 83,9

CRI: 85,8 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
86,3	90,8	92,8	86,3	86,2	86,3	86,9	71,2	24,8	77,1	86,2	67,6	87,6	95,9	81,7

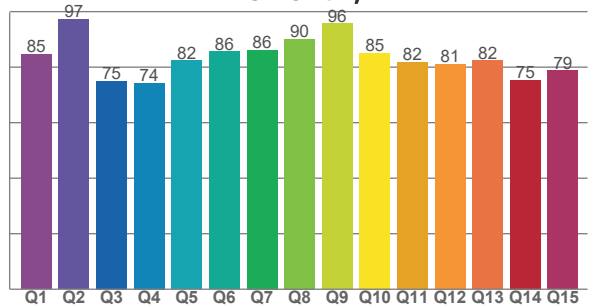
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	83,6	75,1	83,6	87,2	90,5	92,7	91,7	89,9	79,1	76,3	80,8	87,0	88,0	81,3	80,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,6	97,3	75,0	74,3	82,3	85,6	86,2	90,1	95,7	85,0	81,9	81,1	82,3	75,4	78,7

CQS: 82,4



COLOR PARAMETERS

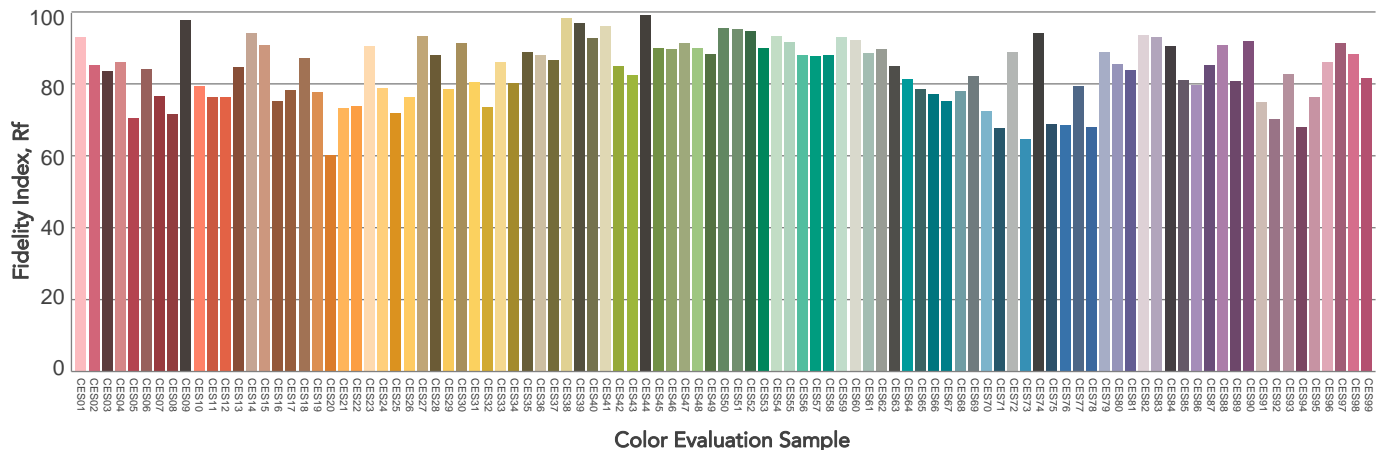
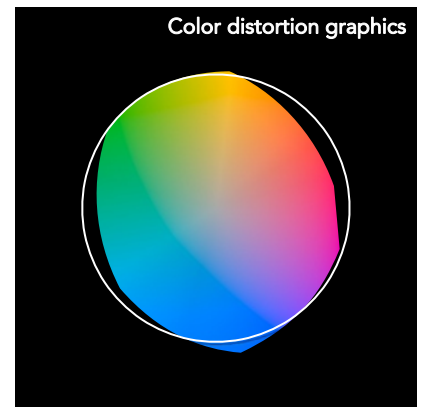
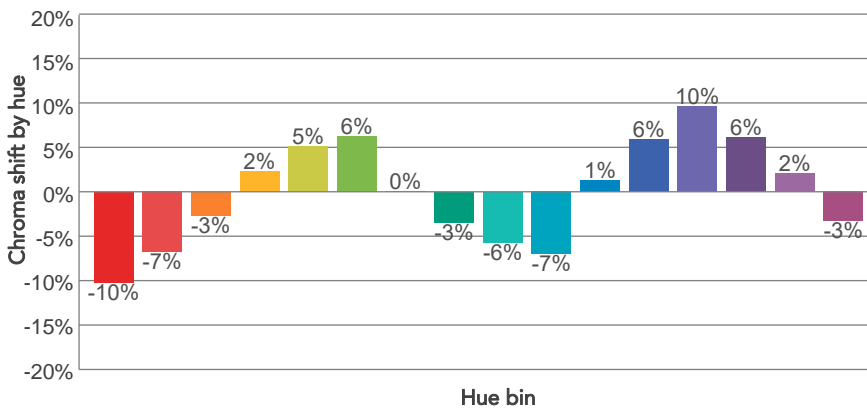
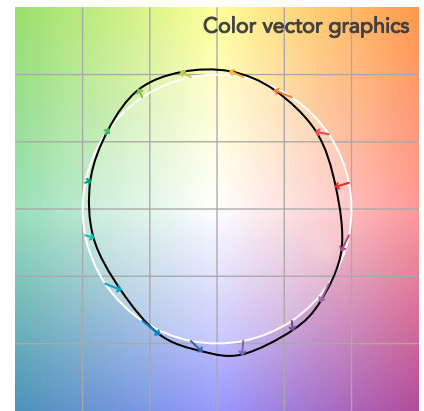
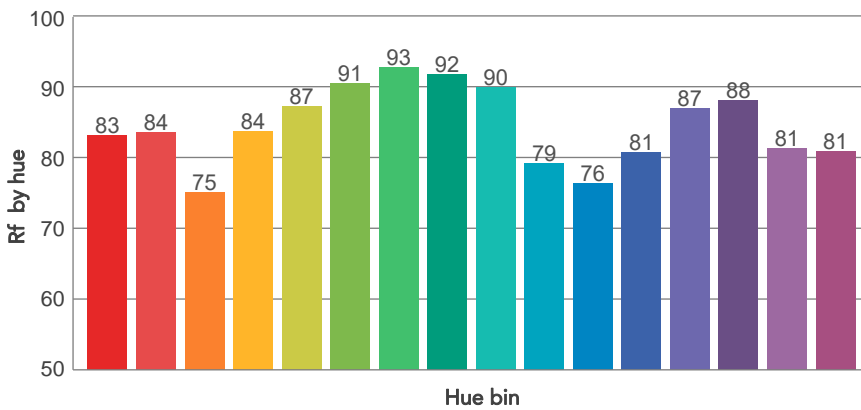
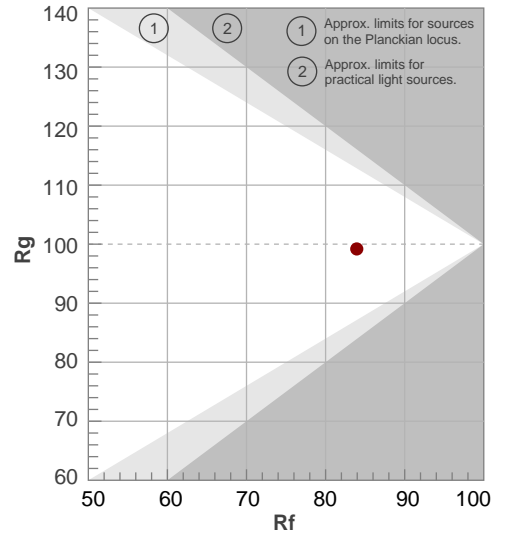
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4249 K	85,8	24,8	83,9	99,2	82,4	70	0,367	0,355	-0,0064

TM30 DETAILS

Rf 83,9
Fidelity index Rf

Rg 99,2
Gammut index

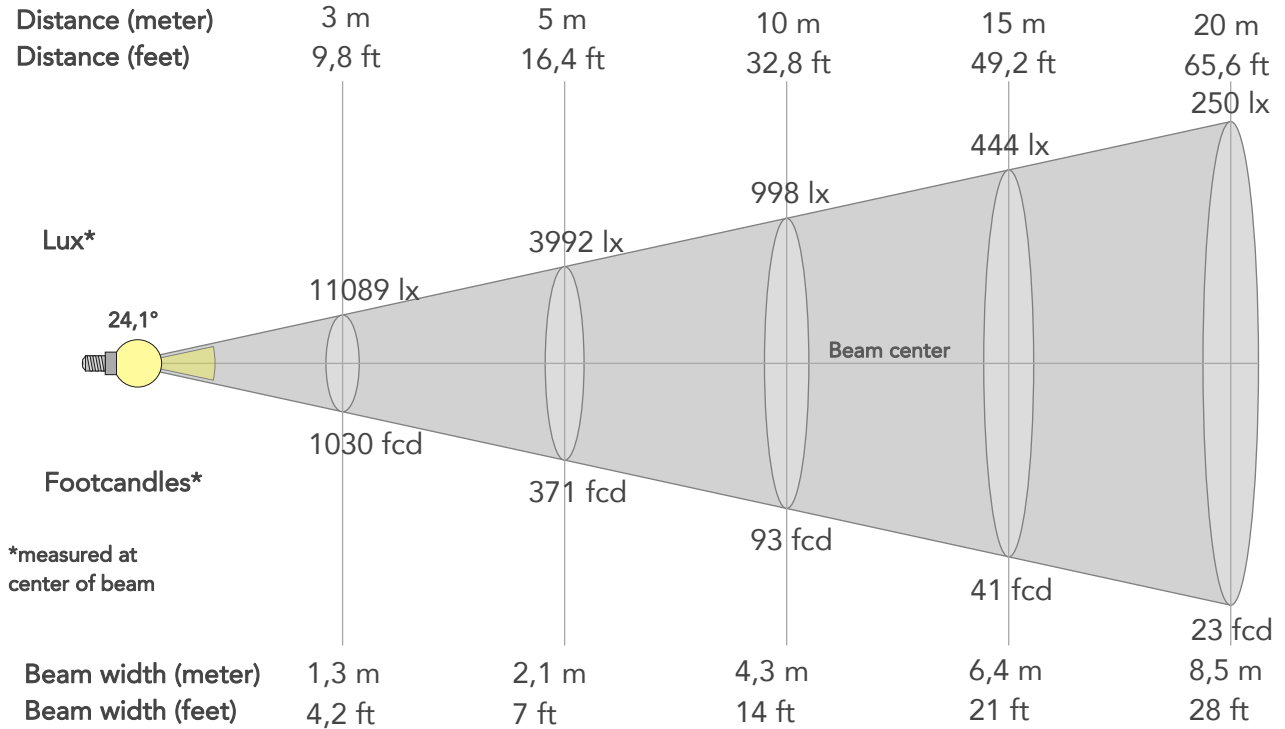
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	75	-3%	13%
4	84	2%	10%
5	87	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-6%	3%
10	79	-7%	10%
11	76	1%	16%
12	81	6%	9%
13	87	10%	-3%
14	88	6%	-3%
15	81	2%	-14%
16	81	-3%	-12%



BEAM DETAILS



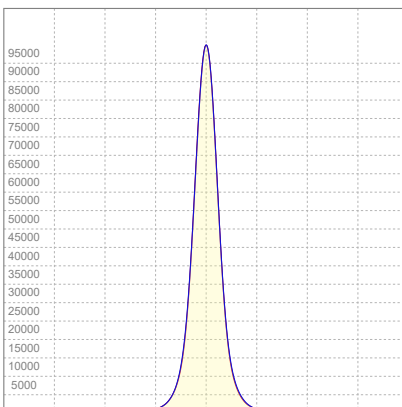
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,1°	48,5°	72,4°	99,6%	96,6%



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	99805lx	24951lx	11089lx	6238lx	3992lx	1774lx	998lx	444lx	250lx	160lx	111lx	62lx	40lx
Footcand.	9272fcd	2318fcd	1030fcd	580fcd	371fcd	165fcd	93fcd	41fcd	23fcd	15fcd	10fcd	6fcd	4fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,1m	3,2m	4,3m	6,4m	8,5m	10,7m	12,8m	17,1m	21,3m
Beam wid.	1,4ft	2,8ft	4,2ft	5,6ft	7ft	10,5ft	14ft	21ft	28ft	35ft	42ft	56ft	70ft

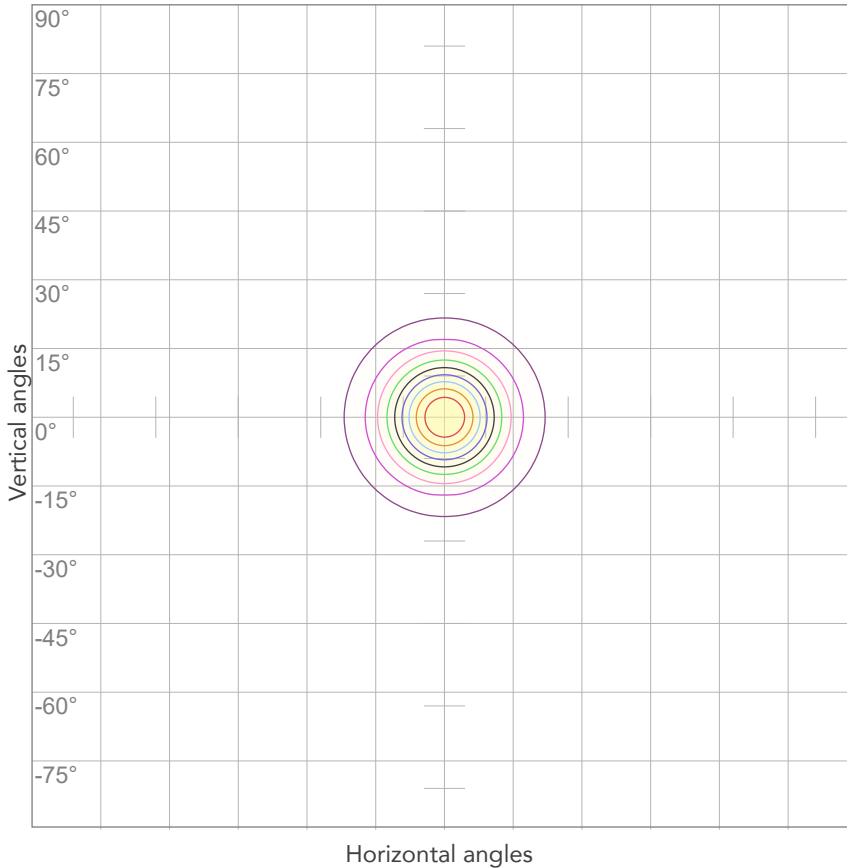
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	2,06A	441W	56lm/W
Power Fc			
0,96			

ISO CANDELA DIAGRAM



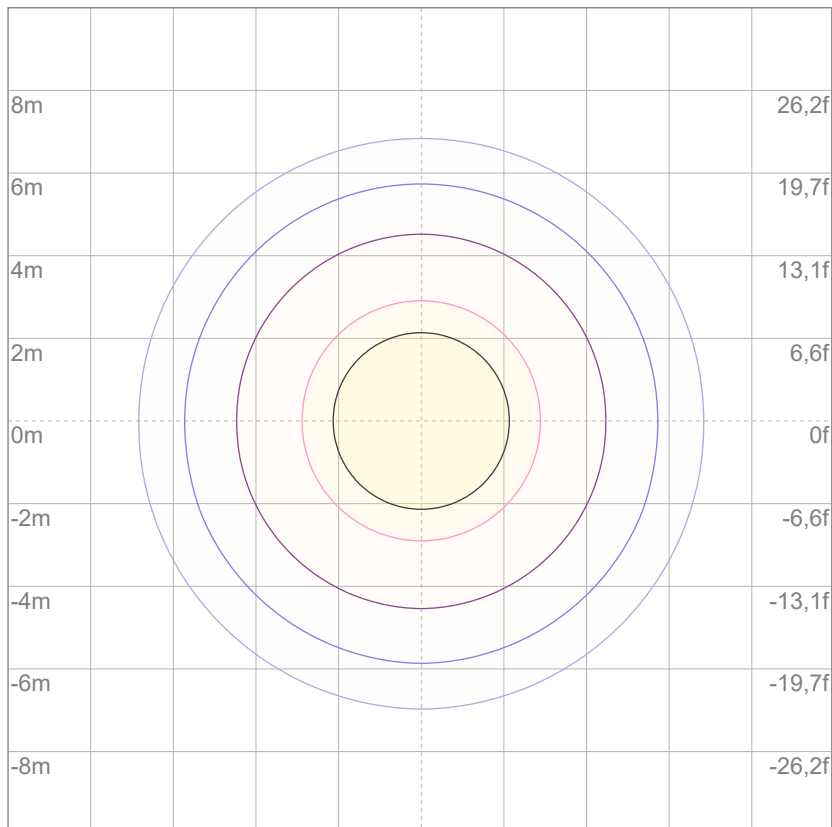
10%	9981 cd
20%	19961 cd
30%	29942 cd
40%	39922 cd
50%	49903 cd
60%	59883 cd
70%	69864 cd
80%	79844 cd

Conditions:

Number of c-planes: 4

Candela at center: 99805 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	29,9 lx
5%	49,9 lx
10%	99,8 lx
30%	299 lx
50%	499 lx

Conditions:

Number of c-planes: 4

Lux at center: 998 lx

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



Total lumen output:

24628 lm

Peak candela output:

62185 cd

Light quality:

CRI: 85,9

Color temperature:

4259 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°Filter

Target:

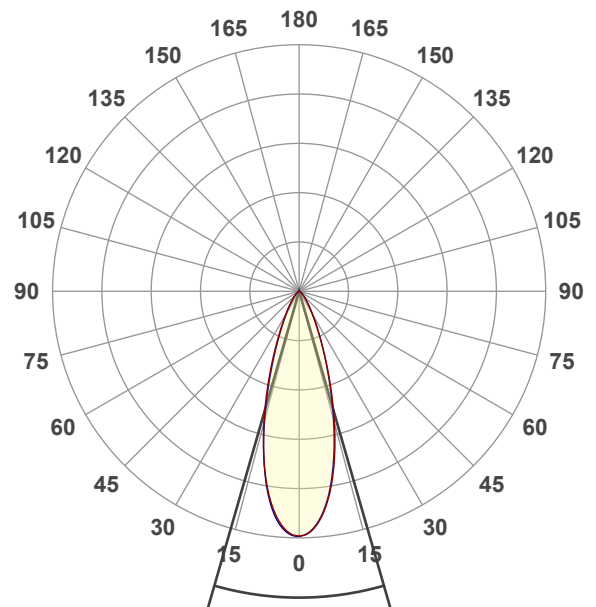
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:46:31

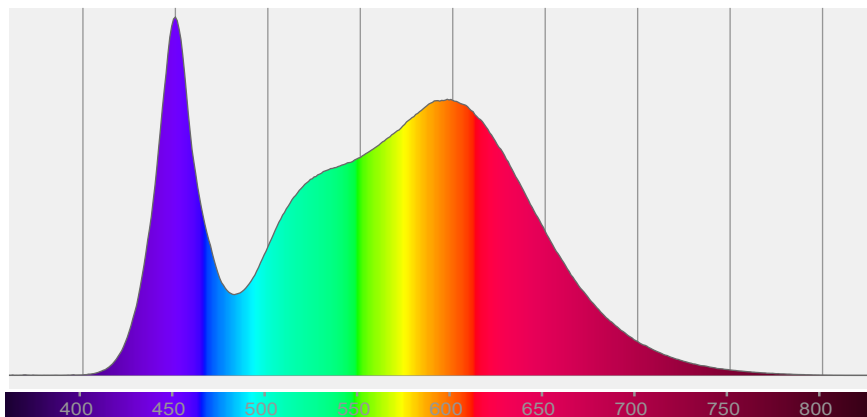


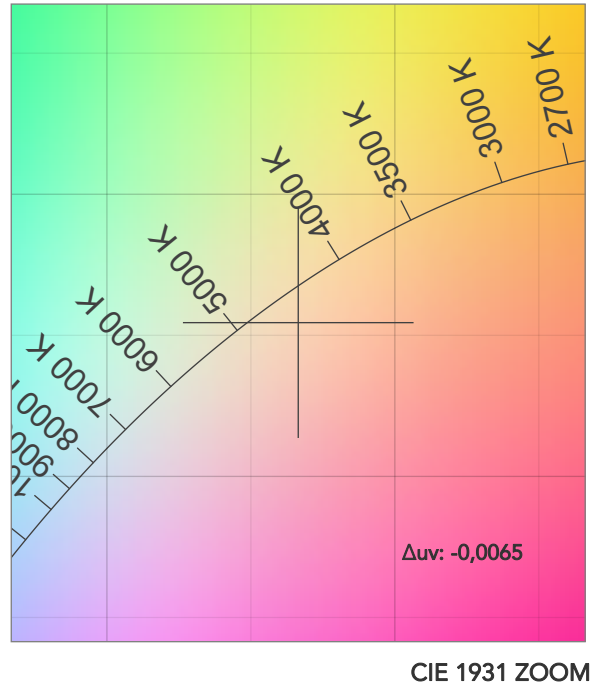
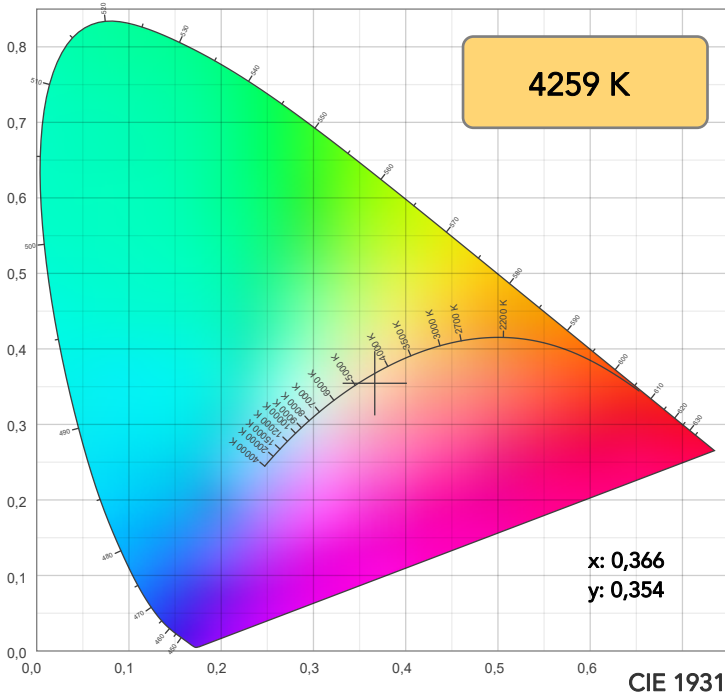
Beam angle 50%: 32,1°

Field angle 10%: 61,3°

Cut off angle 2.5%: 88,8°

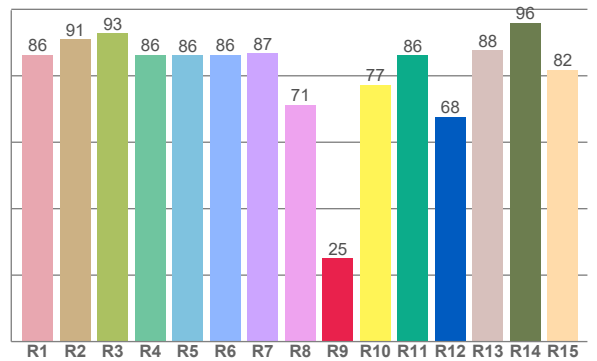
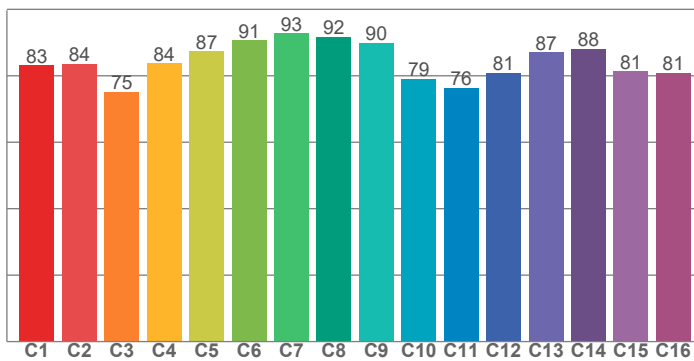
Spectra





TM30: 84,0

CRI: 85,9 (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
86,3	91,0	92,9	86,3	86,3	86,4	86,9	71,3	25,0	77,3	86,2	67,7	87,6	95,9	81,8

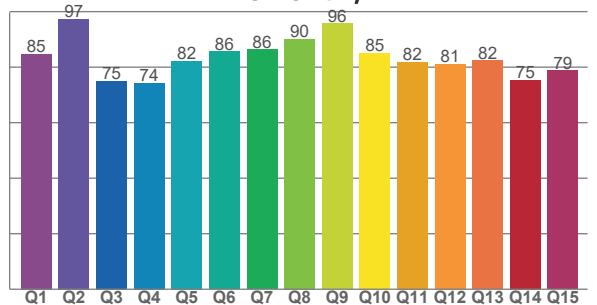
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	83,6	75,2	83,7	87,3	90,6	92,8	91,7	89,9	79,1	76,3	80,9	87,0	88,1	81,4	81,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,7	97,3	75,1	74,2	82,3	85,7	86,3	90,1	95,7	85,1	81,9	81,1	82,3	75,4	78,8

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
4259 K	85,9	25,0	84,0	99,1	82,4	70	0,366	0,354	-0,0065

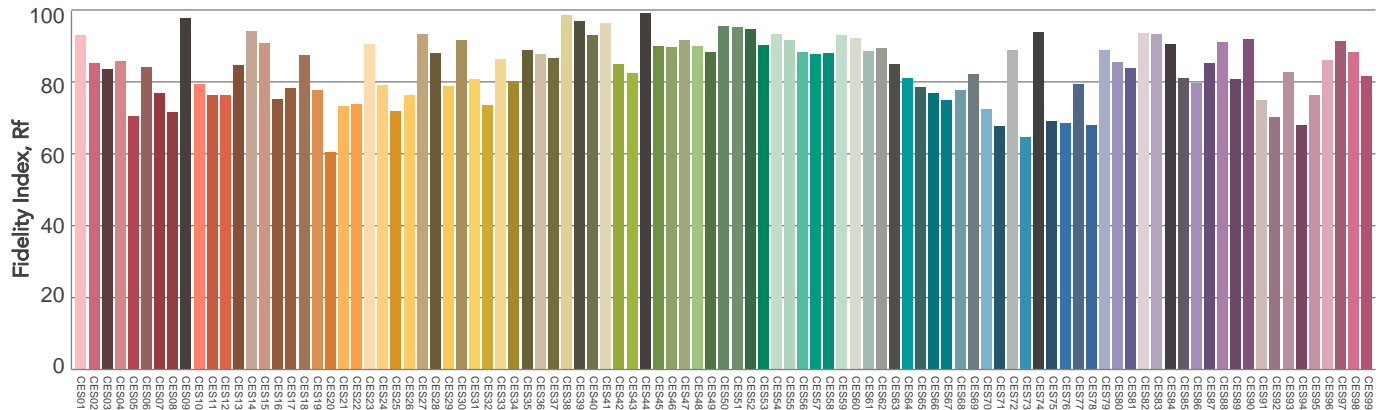
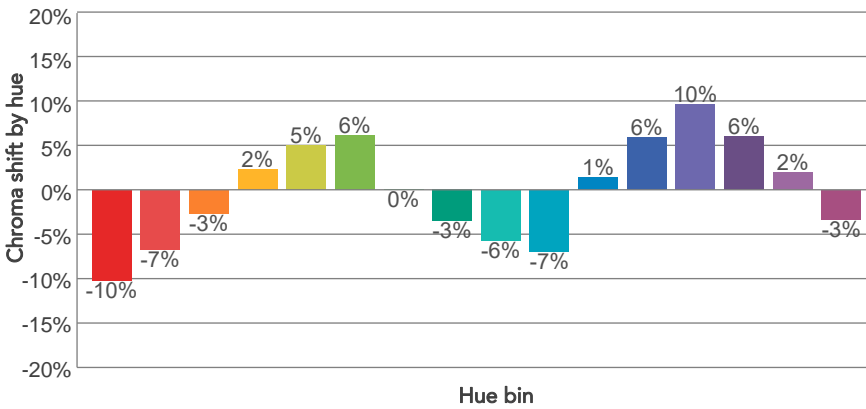
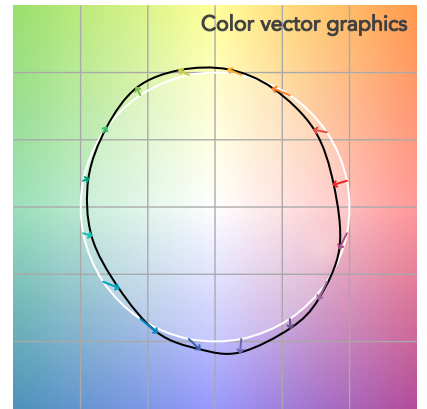
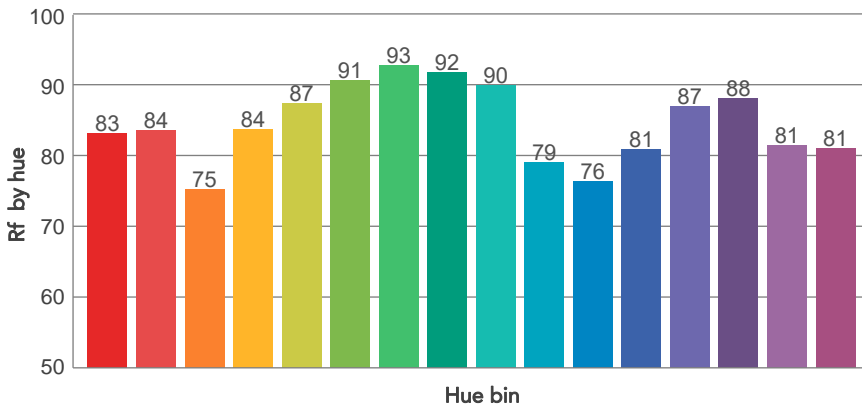
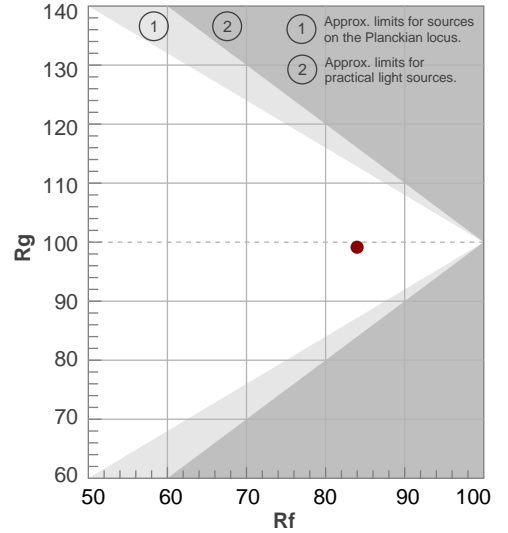
TM30 DETAILS



Rf 84,0
Fidelity index Rf

Rg 99,1
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	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	-6%	3%
10	79	-7%	10%
11	76	1%	16%
12	81	6%	9%
13	87	10%	-3%
14	88	6%	-3%
15	81	2%	-14%
16	81	-3%	-12%

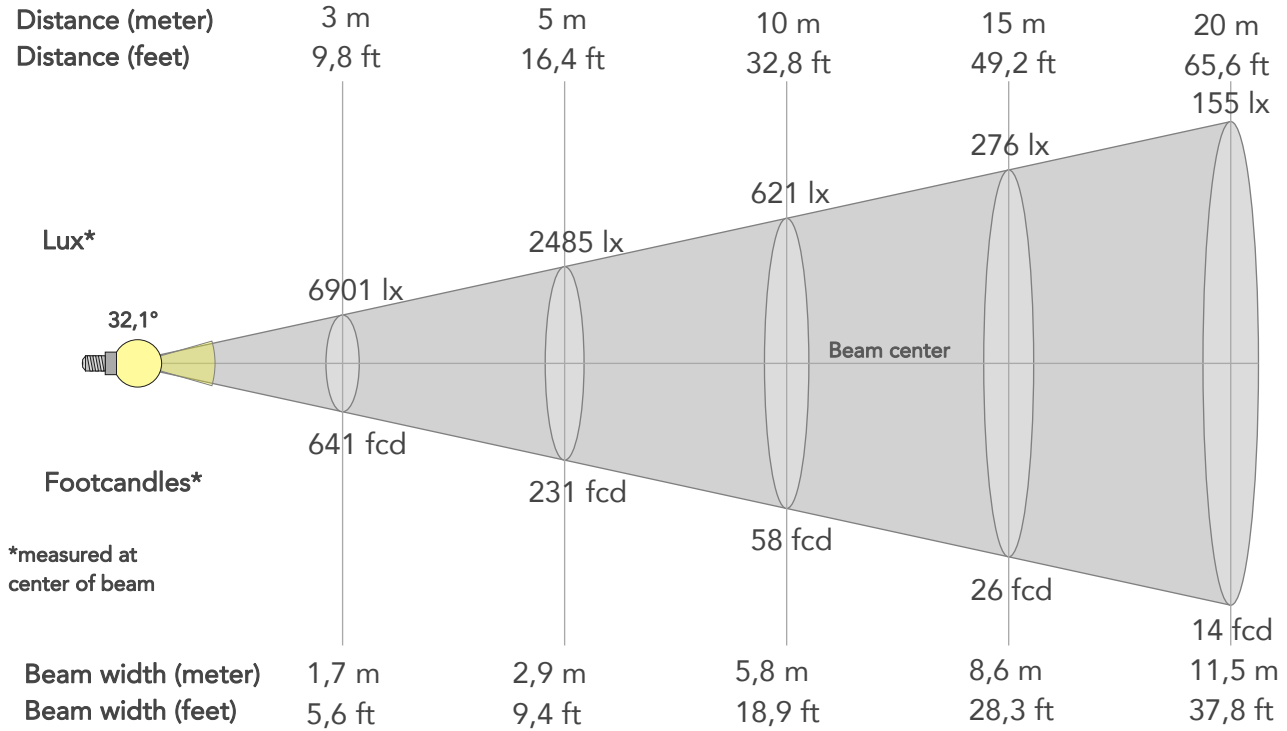


Color Evaluation Sample

BEAM DETAILS



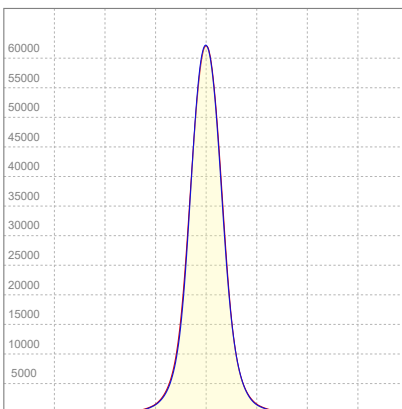
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,1°	61,3°	88,8°	99,0%	94,6%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	62113lx	15528lx	6901lx	3882lx	2485lx	1104lx	621lx	276lx	155lx	99lx	69lx	39lx	25lx
Footcand.	5770fcd	1443fcd	641fcd	361fcd	231fcd	103fcd	58fcd	26fcd	14fcd	9fcd	6fcd	4fcd	2fcd
Beam wid.	0,6m	1,2m	1,7m	2,3m	2,9m	4,3m	5,8m	8,6m	11,5m	14,4m	17,3m	23m	28,8m
Beam wid.	1,9ft	3,8ft	5,6ft	7,5ft	9,4ft	14,2ft	18,9ft	28,3ft	37,8ft	47,2ft	56,7ft	75,6ft	94,5ft

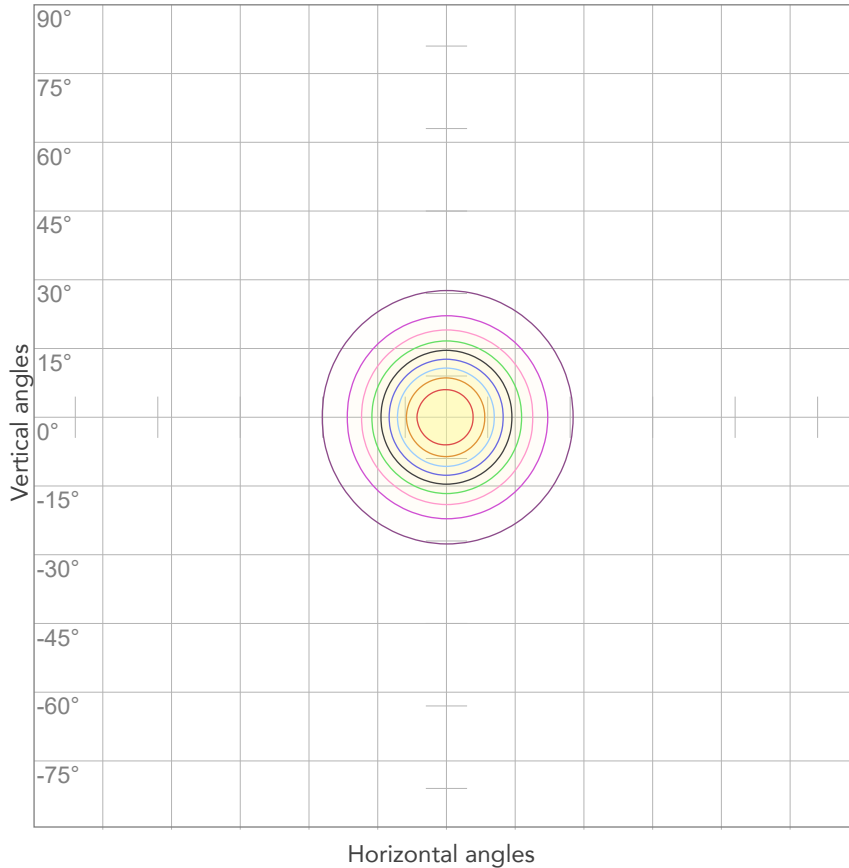
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	2,04A	439,5W	56lm/W
Power Fc			
0,96			

ISO CANDELA DIAGRAM



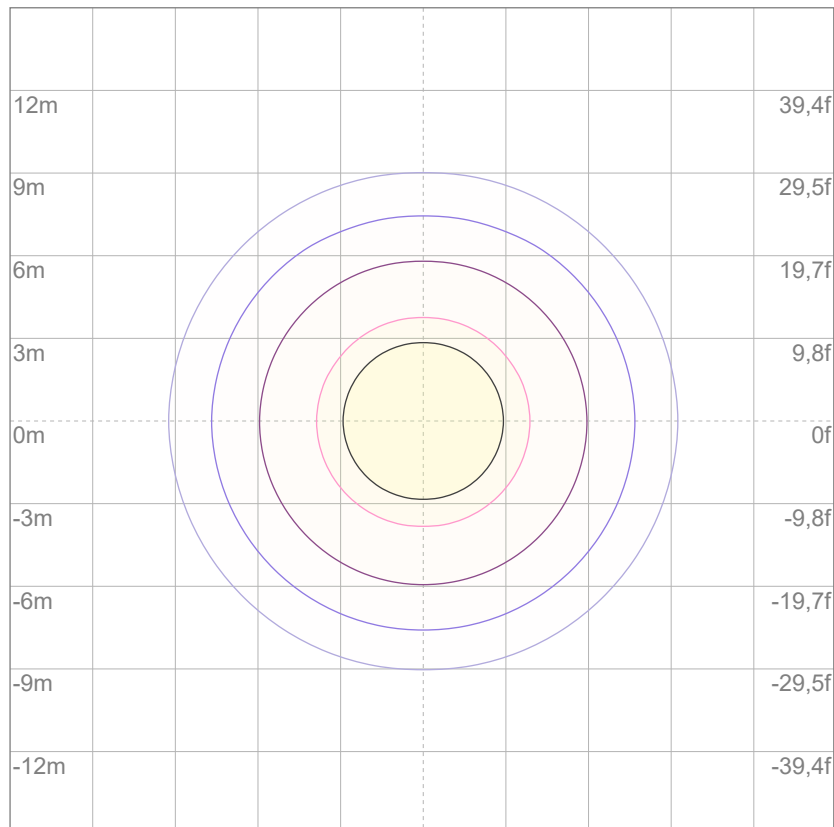
10%	6211 cd
20%	12423 cd
30%	18634 cd
40%	24845 cd
50%	31056 cd
60%	37268 cd
70%	43479 cd
80%	49690 cd

Conditions:

Number of c-planes: 4

Candela at center: 62113 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	18,6 lx
5%	31,1 lx
10%	62,1 lx
30%	186 lx
50%	311 lx

Conditions:

Number of c-planes: 4

Lux at center: 621 lx

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



Total lumen output:

24658 lm

Peak candela output:

32831 cd

Light quality:

CRI: 86,0

Color temperature:

4278 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 40°Filter

Target:

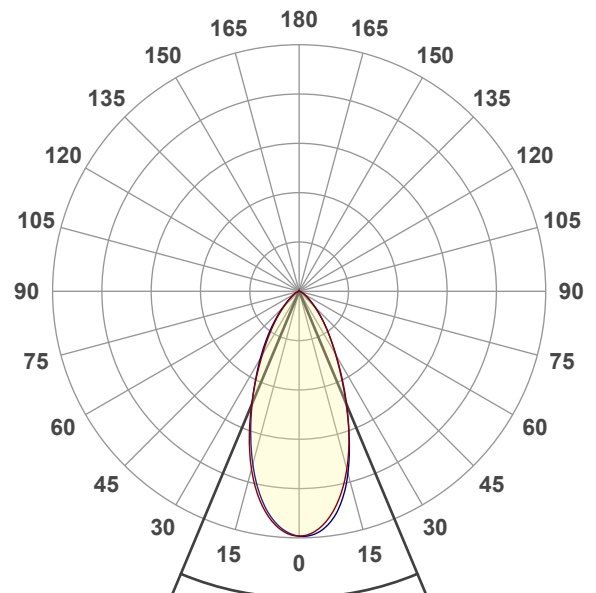
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:58:57

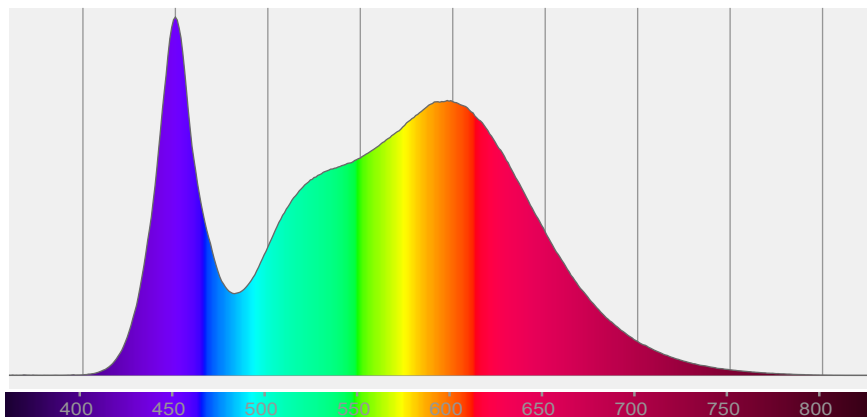


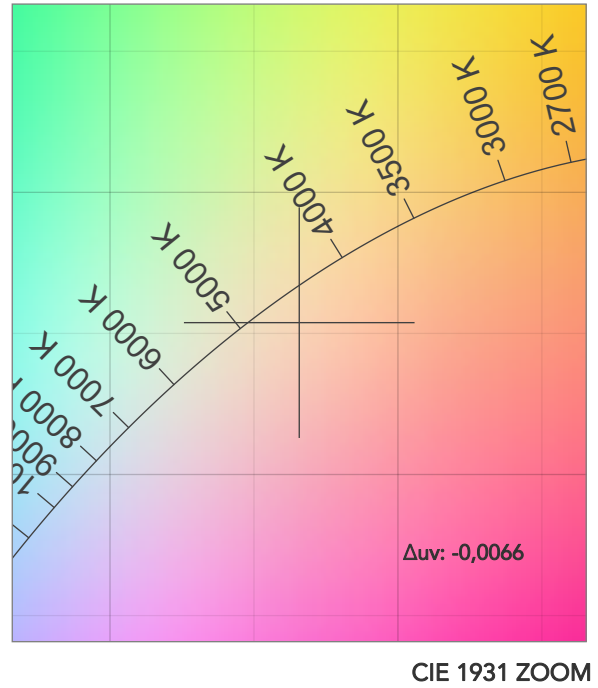
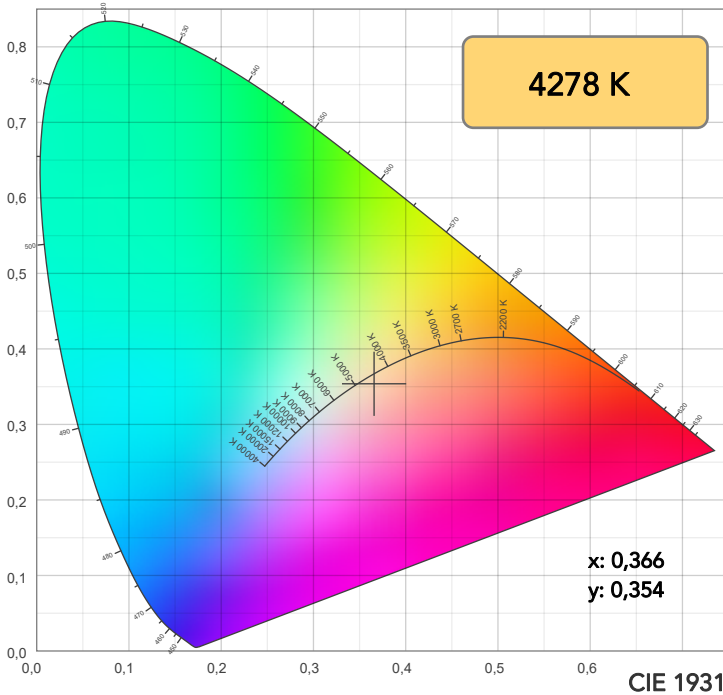
Beam angle 50%: 45,4°

Field angle 10%: 88,2°

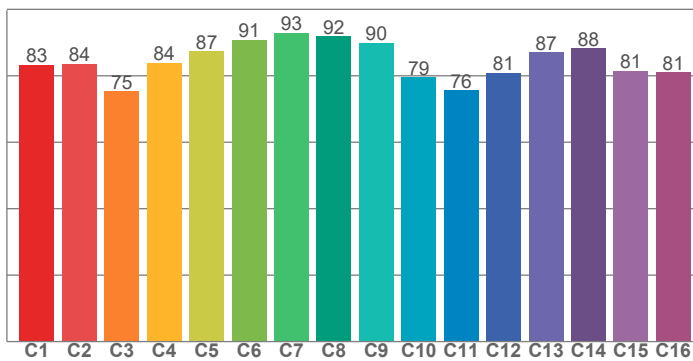
Cut off angle 2.5%: 117,9°

Spectra

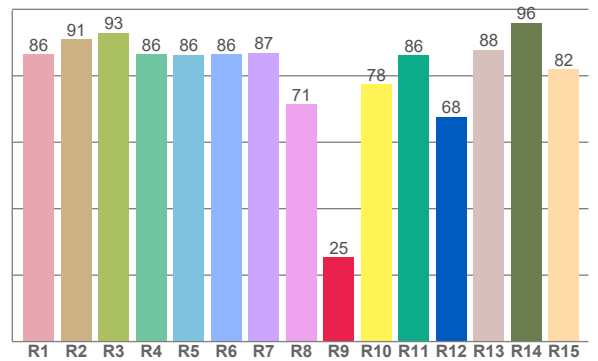




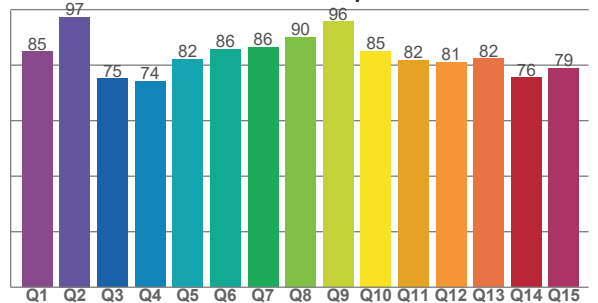
TM30: 84,0



CRI: 86,0 (R1-R8)



CQS: 82,5



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
86,4	91,1	92,9	86,4	86,4	86,5	86,9	71,5	25,5	77,6	86,3	67,7	87,8	96,0	82,0

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
83,2	83,6	75,3	83,8	87,4	90,8	92,8	91,8	89,8	79,5	75,6	80,9	87,0	88,2	81,5	81,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,8	97,3	75,1	74,2	82,2	85,7	86,5	90,1	95,7	85,1	81,9	81,1	82,3	75,6	78,9

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
4278 K	86,0	25,5	84,0	99,1	82,5	70	0,366	0,354	-0,0066

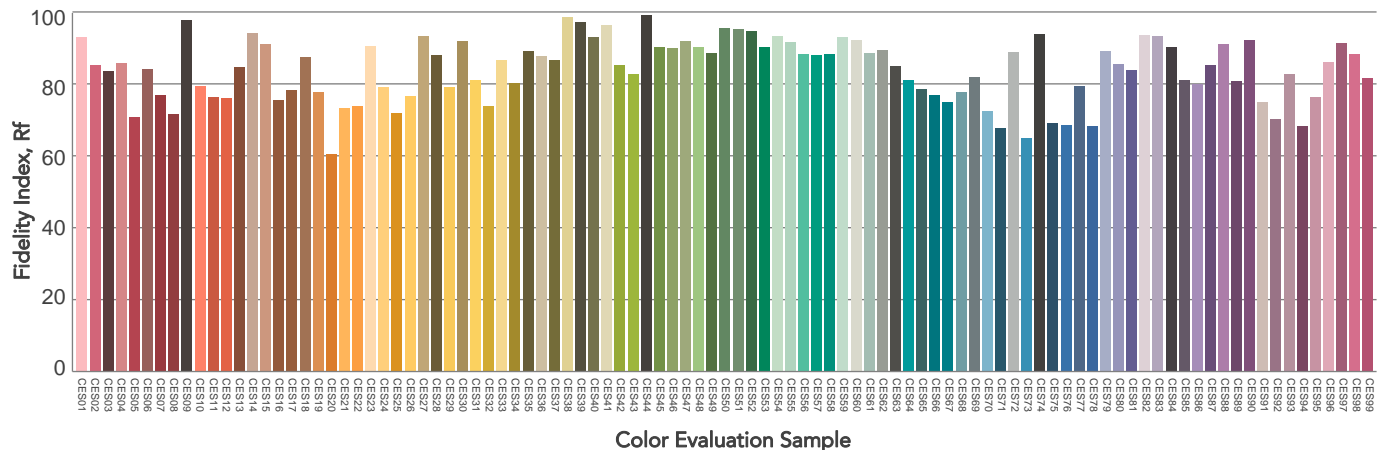
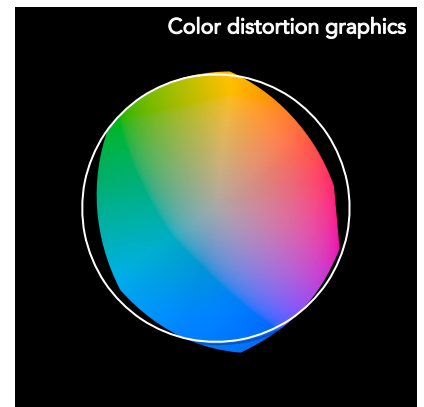
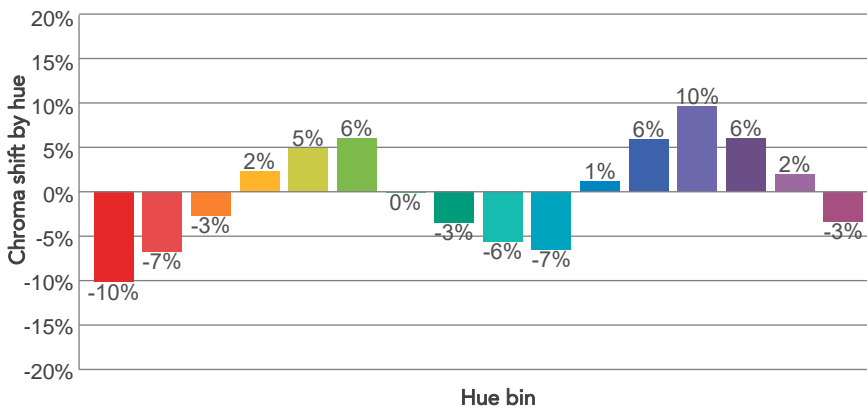
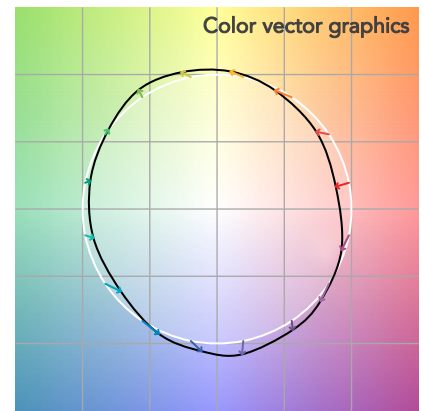
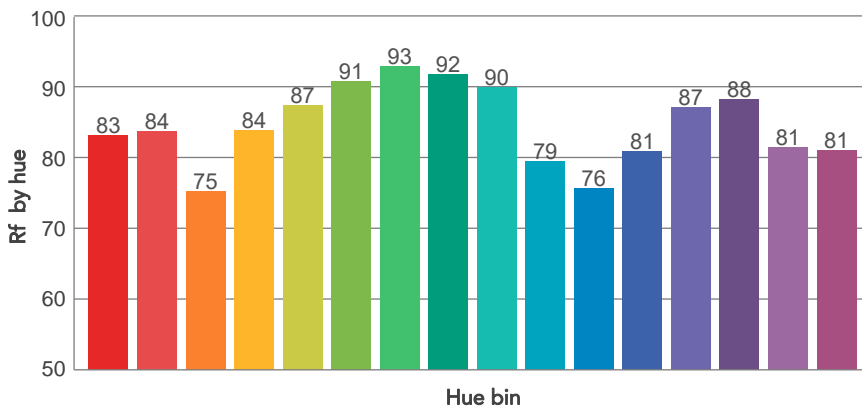
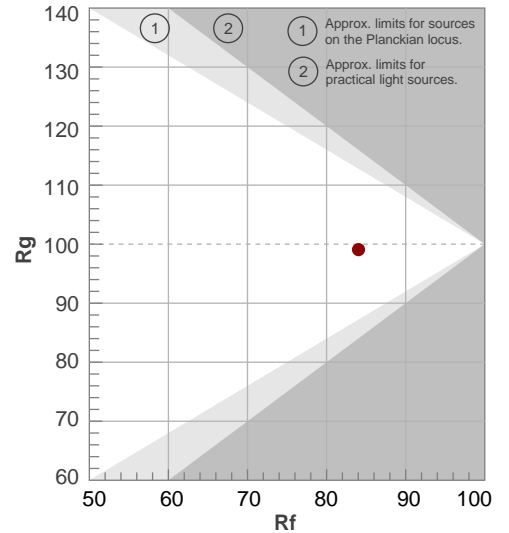
TM30 DETAILS



Rf 84,0
Fidelity index Rf

Rg 99,1
Gammut index

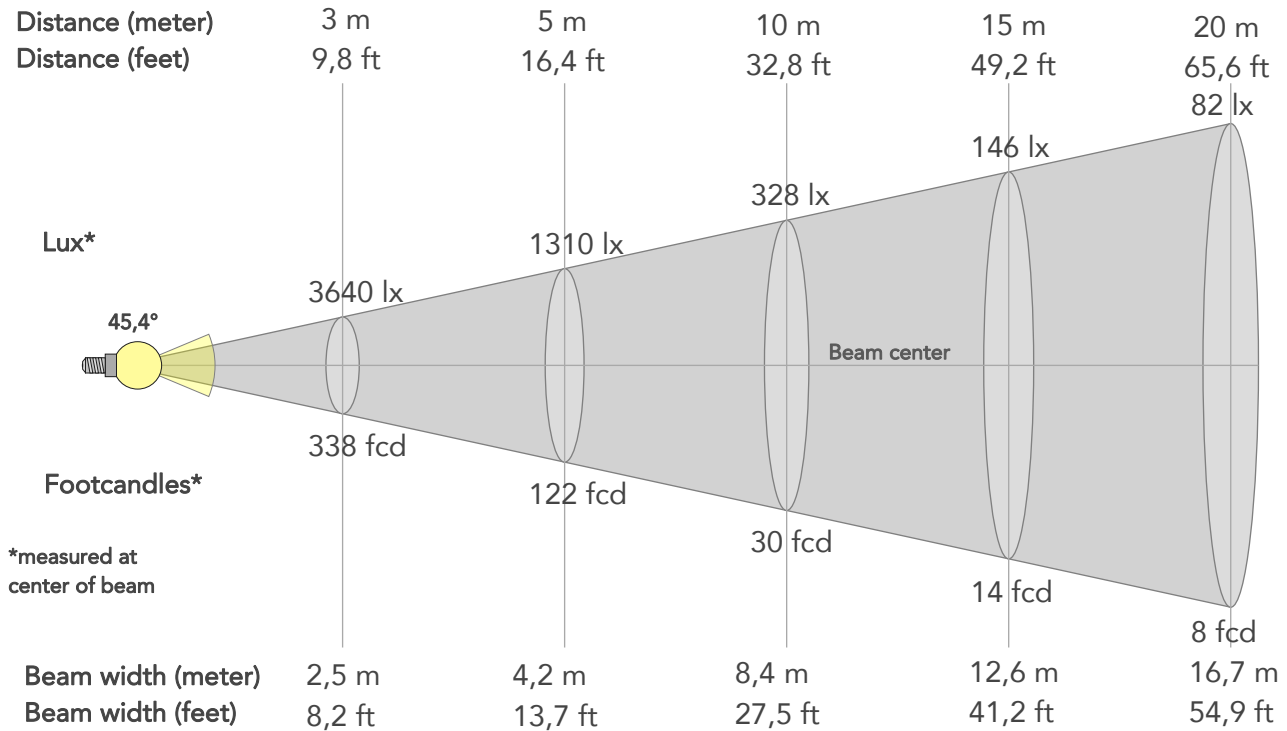
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	75	-3%	13%
4	84	2%	10%
5	87	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-3%	-2%
9	90	-6%	3%
10	79	-7%	11%
11	76	1%	15%
12	81	6%	9%
13	87	10%	-3%
14	88	6%	-3%
15	81	2%	-14%
16	81	-3%	-12%



BEAM DETAILS



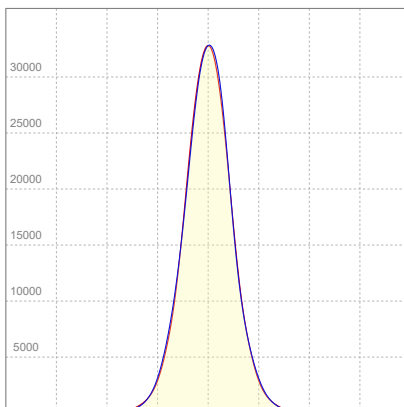
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,4°	88,2°	117,9°	97,6%	89,3%



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	32758lx	8189lx	3640lx	2047lx	1310lx	582lx	328lx	146lx	82lx	52lx	36lx	20lx	13lx
Footcand.	3043fcd	761fcd	338fcd	190fcd	122fcd	54fcd	30fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,6m	16,7m	20,9m	25,1m	33,5m	41,9m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,7ft	20,6ft	27,5ft	41,2ft	54,9ft	68,7ft	82,4ft	109,9ft	137,3ft

LINEAR DISTRIBUTION DIAGRAM

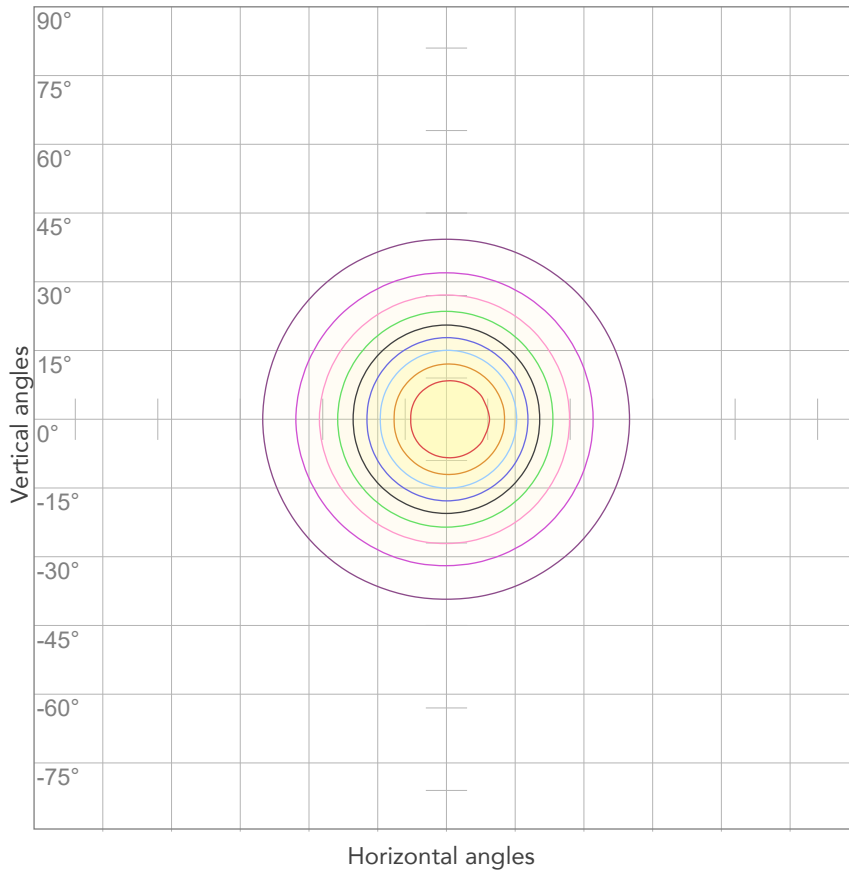


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	2,04A	438,5W	56lm/W

Power Fc
0,96

ISO CANDELA DIAGRAM



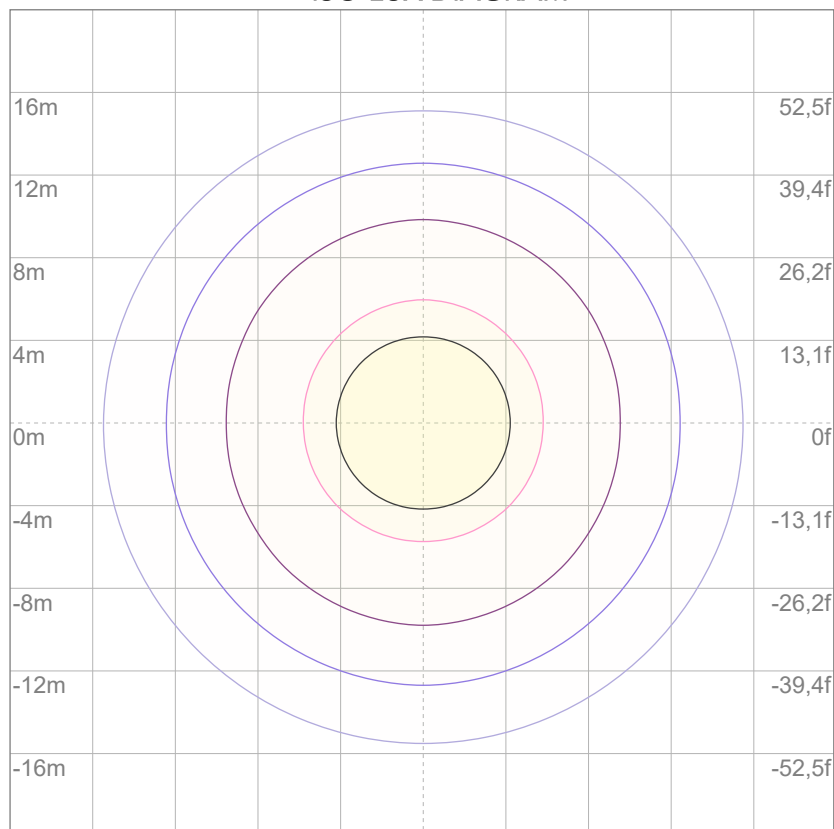
10%	3276 cd
20%	6552 cd
30%	9827 cd
40%	13103 cd
50%	16379 cd
60%	19655 cd
70%	22930 cd
80%	26206 cd

Conditions:

Number of c-planes: 4

Candela at center: 32758 cd

ISO LUX DIAGRAM



3%	9,83 lx
5%	16,4 lx
10%	32,8 lx
30%	98,3 lx
50%	164 lx

Conditions:

Number of c-planes: 4

Lux at center: 328 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:

24204 lm

Peak candela output:

22667 cd

Light quality:

CRI: 86,0

Color temperature:

4281 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 60°Filter

Target:

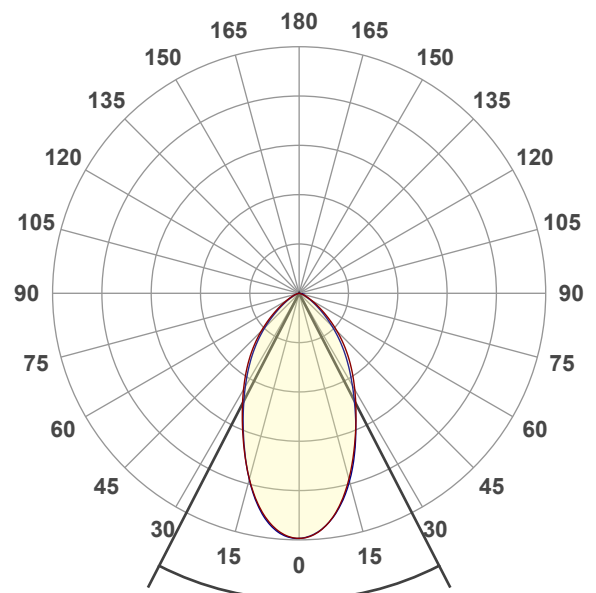
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:09:39

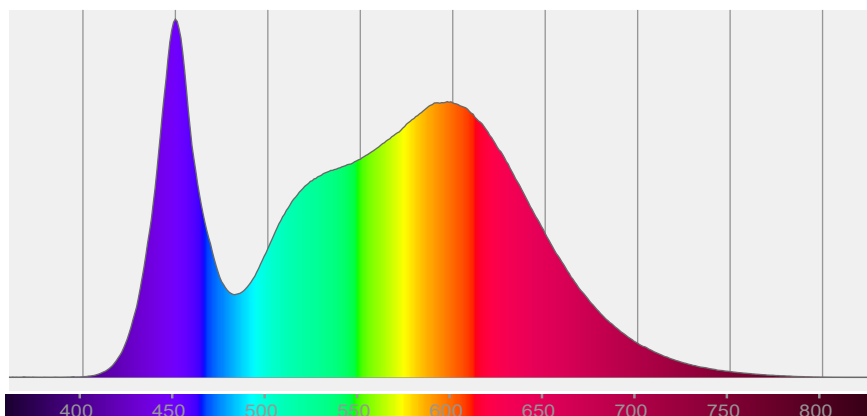


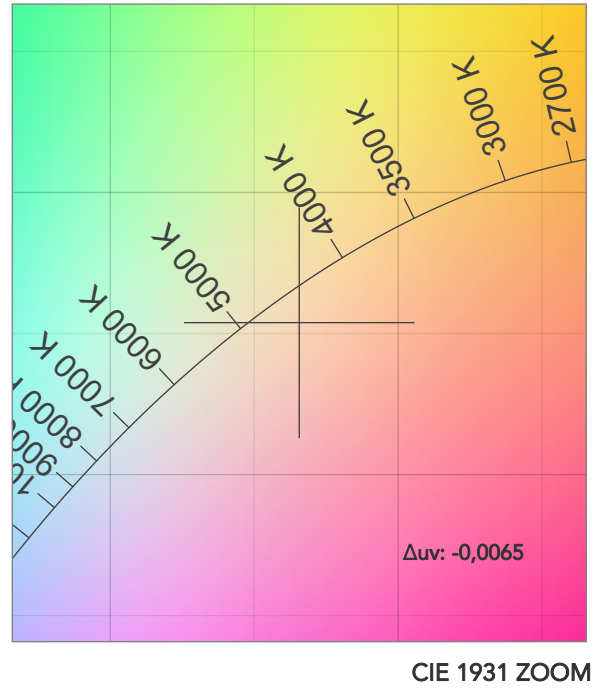
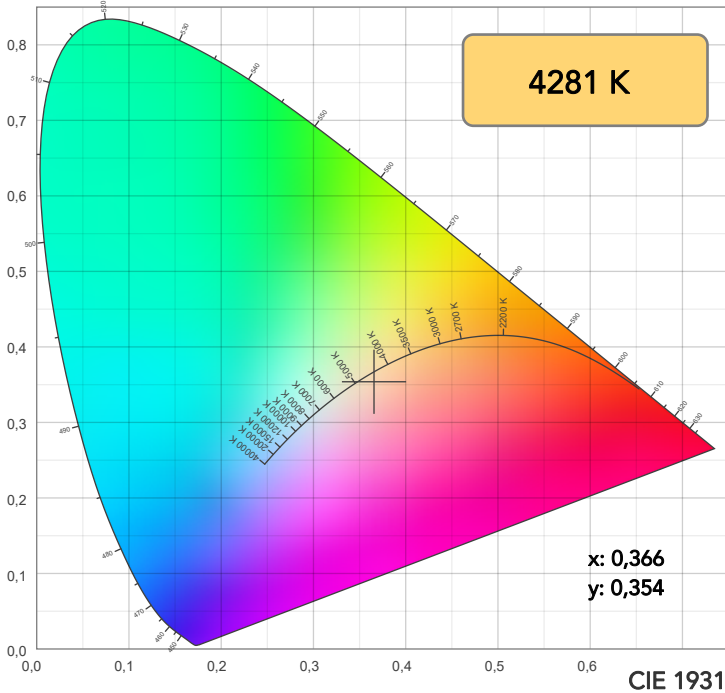
Beam angle 50%: 54,4°

Field angle 10%: 107,6°

Cut off angle 2.5%: 134,2°

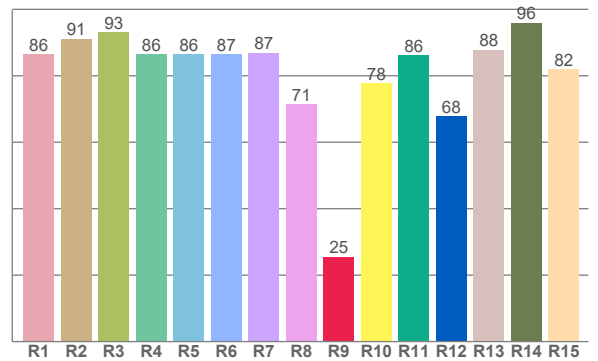
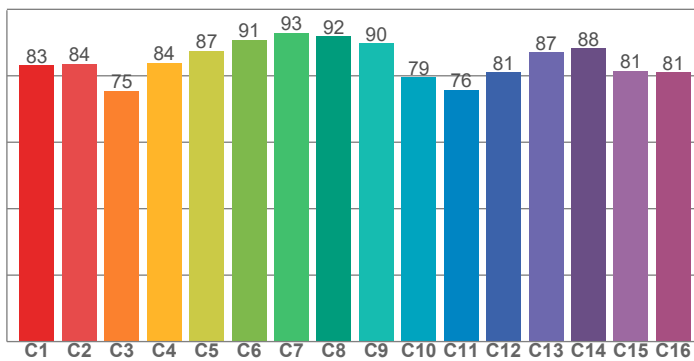
Spectra





TM30: 84,1

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
86,5	91,1	93,0	86,4	86,4	86,5	87,0	71,5	25,5	77,7	86,2	67,7	87,8	96,0	82,0

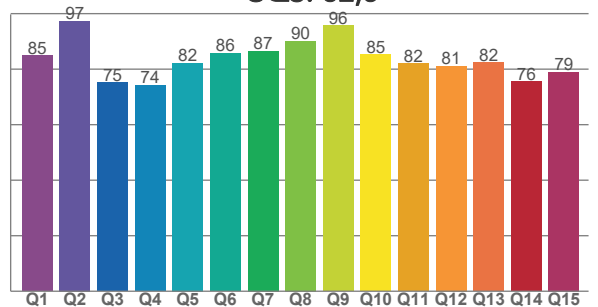
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	83,7	75,4	84,0	87,5	90,9	92,9	91,8	89,8	79,5	75,7	81,1	87,1	88,3	81,5	81,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
84,9	97,4	75,2	74,2	82,2	85,7	86,5	90,1	95,8	85,2	82,0	81,1	82,3	75,6	78,9

CQS: 82,5



COLOR PARAMETERS

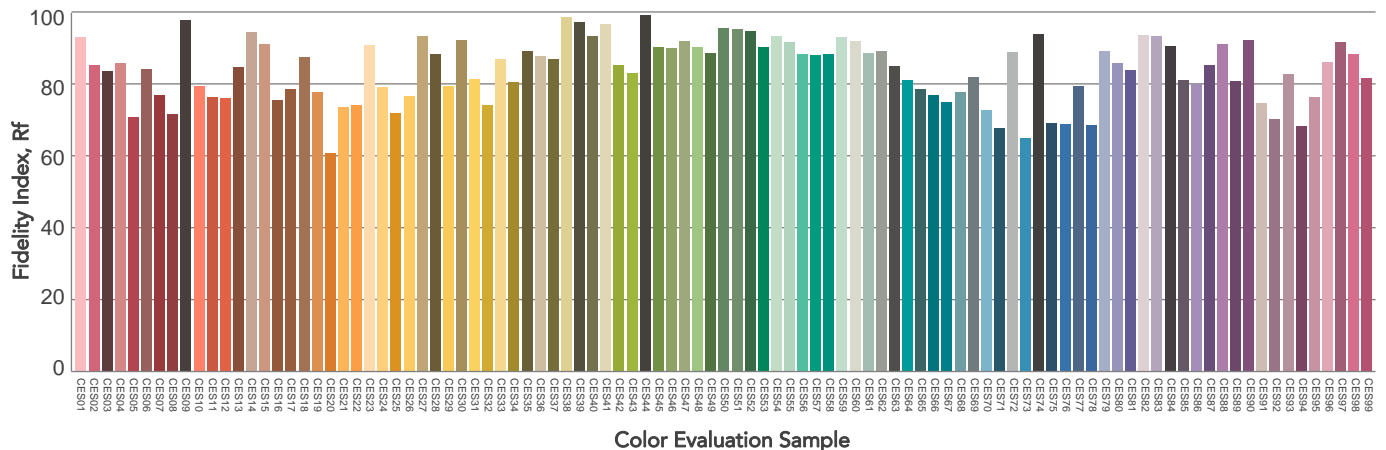
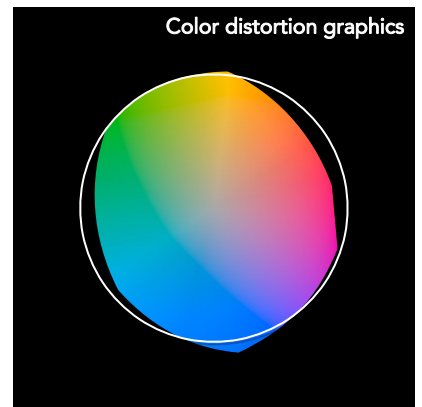
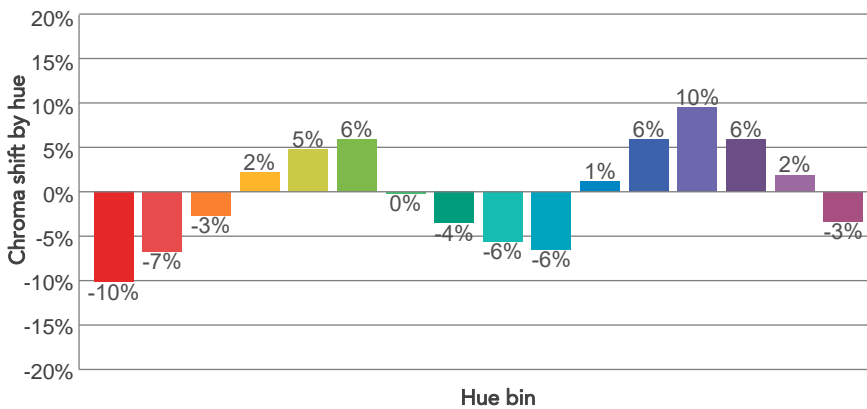
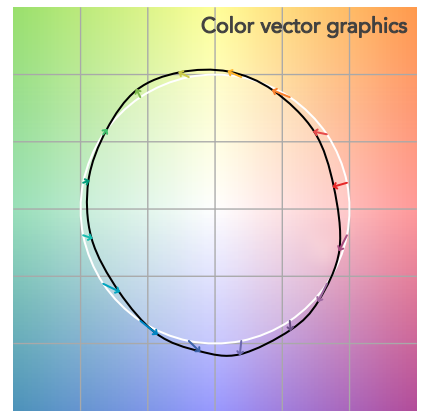
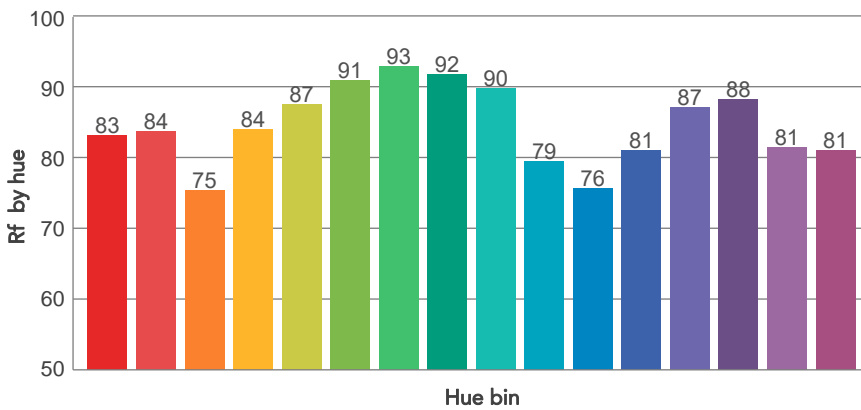
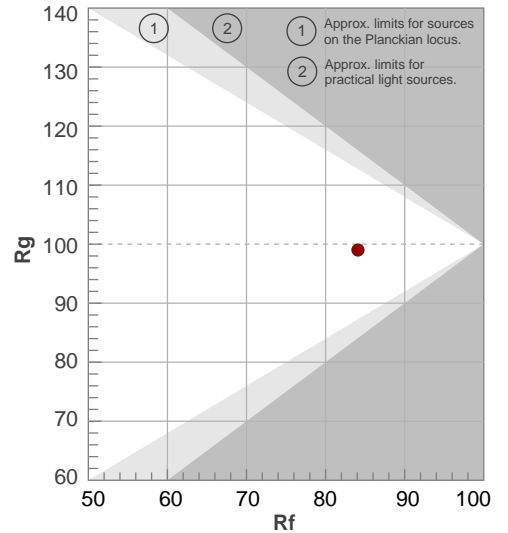
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4281 K	86,0	25,5	84,1	99,0	82,5	71	0,366	0,354	-0,0065

TM30 DETAILS

Rf 84,1
Fidelity index Rf

Rg 99,0
Gammut index

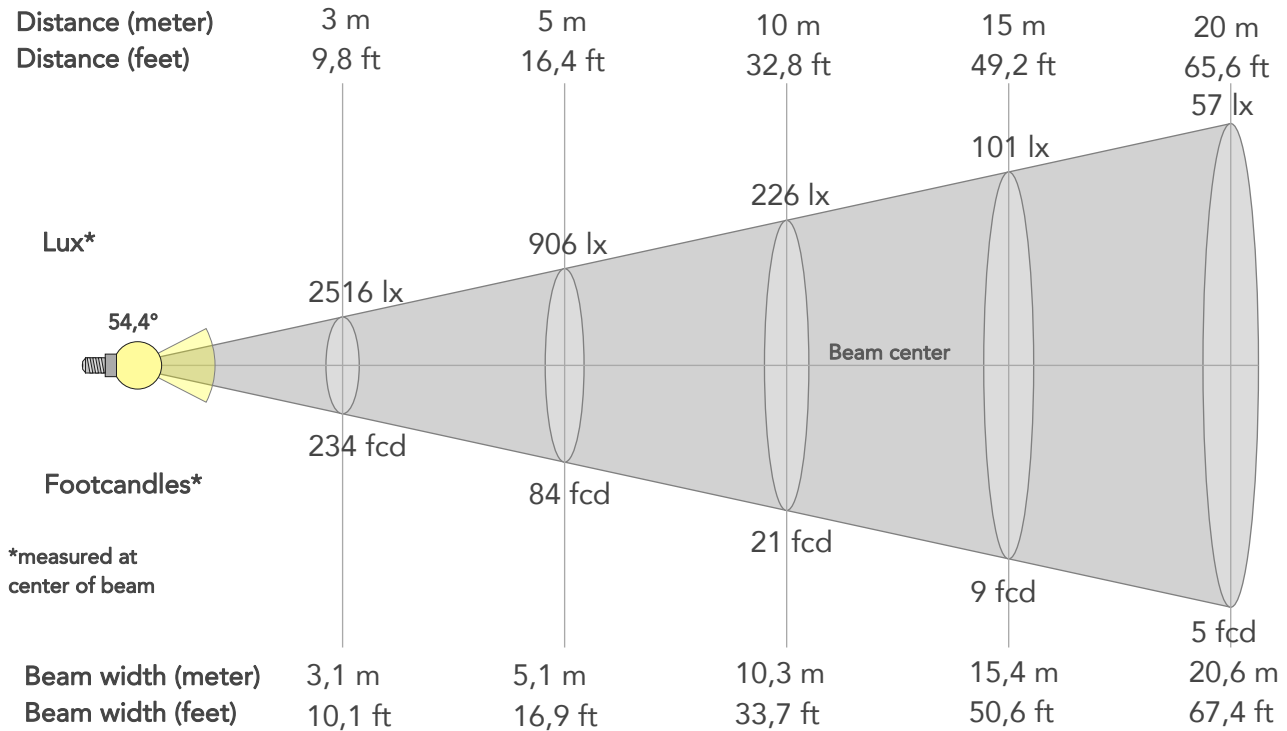
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	75	-3%	13%
4	84	2%	10%
5	87	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-4%	-2%
9	90	-6%	3%
10	79	-6%	11%
11	76	1%	15%
12	81	6%	9%
13	87	10%	-3%
14	88	6%	-3%
15	81	2%	-14%
16	81	-3%	-12%



BEAM DETAILS



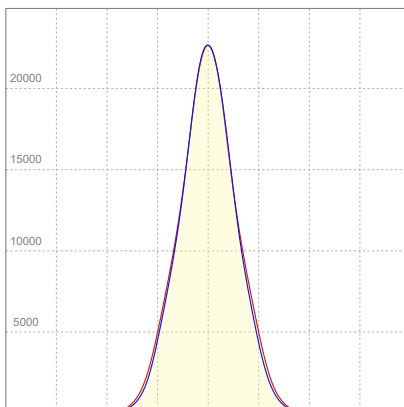
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,4°	107,6°	134,2°	96,1%	81,8%



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	22644lx	5661lx	2516lx	1415lx	906lx	403lx	226lx	101lx	57lx	36lx	25lx	14lx	9lx
Footcand.	2104fcd	526fcd	234fcd	131fcd	84fcd	37fcd	21fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,1m	7,7m	10,3m	15,4m	20,6m	25,7m	30,8m	41,1m	51,4m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,9ft	25,3ft	33,7ft	50,6ft	67,4ft	84,3ft	101,1ft	134,8ft	168,5ft

LINEAR DISTRIBUTION DIAGRAM

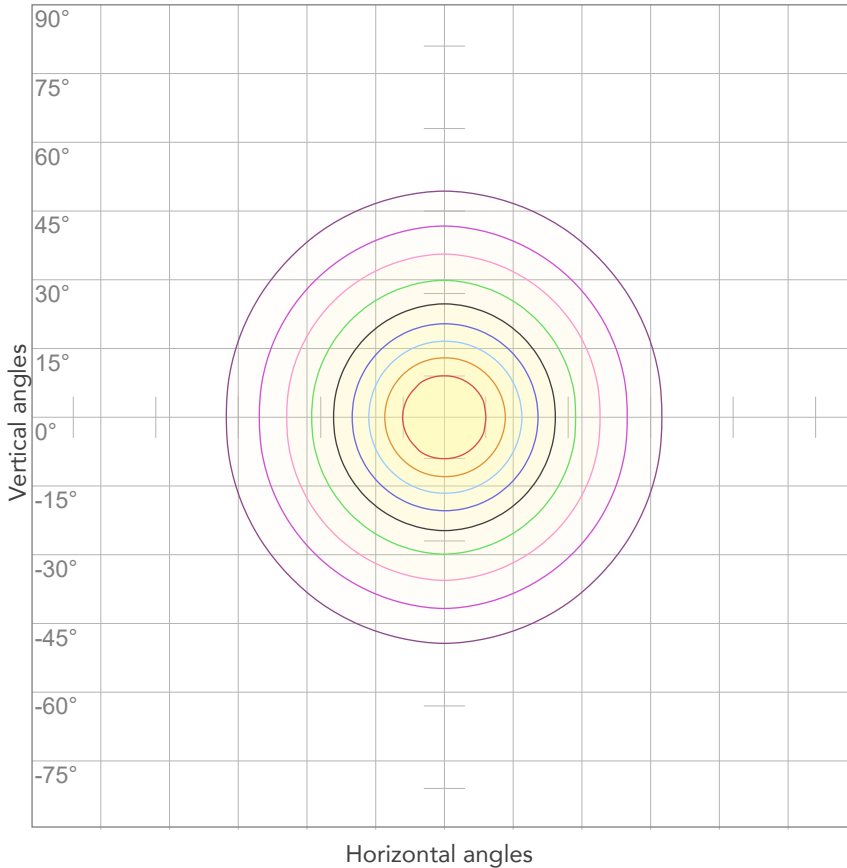


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	2,03A	437,4W	55lm/W

Power Fc
0,96

ISO CANDELA DIAGRAM



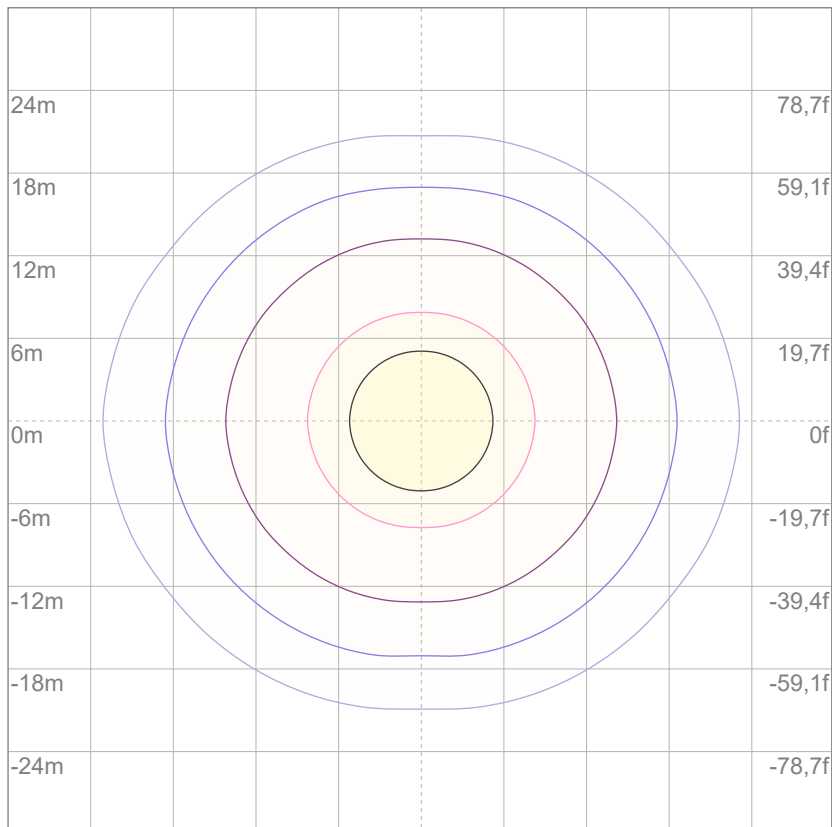
10%	2264 cd
20%	4529 cd
30%	6793 cd
40%	9058 cd
50%	11322 cd
60%	13586 cd
70%	15851 cd
80%	18115 cd

Conditions:

Number of c-planes: 4

Candela at center: 22644 cd

ISO LUX DIAGRAM



3%	6,79 lx
5%	11,3 lx
10%	22,6 lx
30%	67,9 lx
50%	113 lx

Conditions:

Number of c-planes: 4

Lux at center: 226 lx

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



Total lumen output:

23372 lm

Peak candela output:

14655 cd

Light quality:

CRI: 86,1

Color temperature:

4294 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 80°Filter

Target:

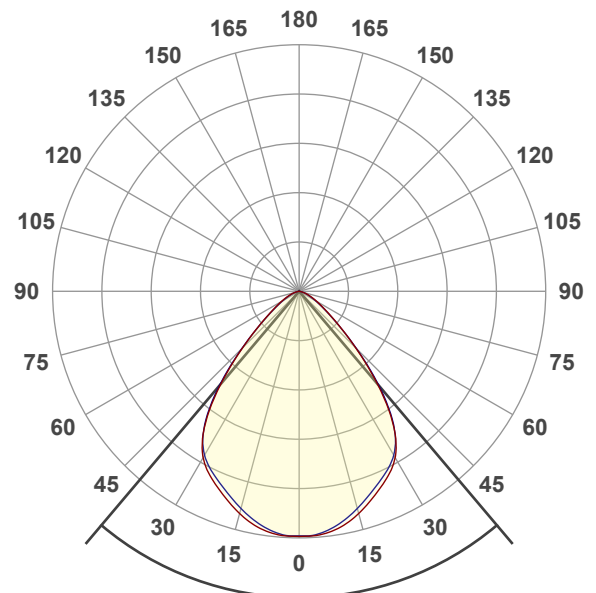
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:19:46

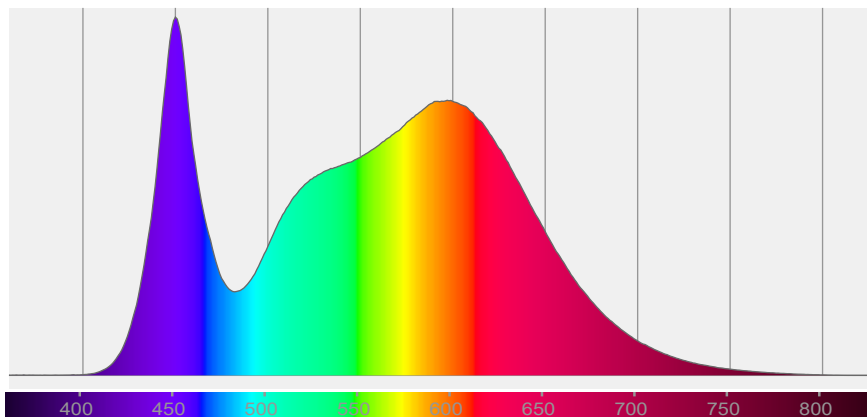


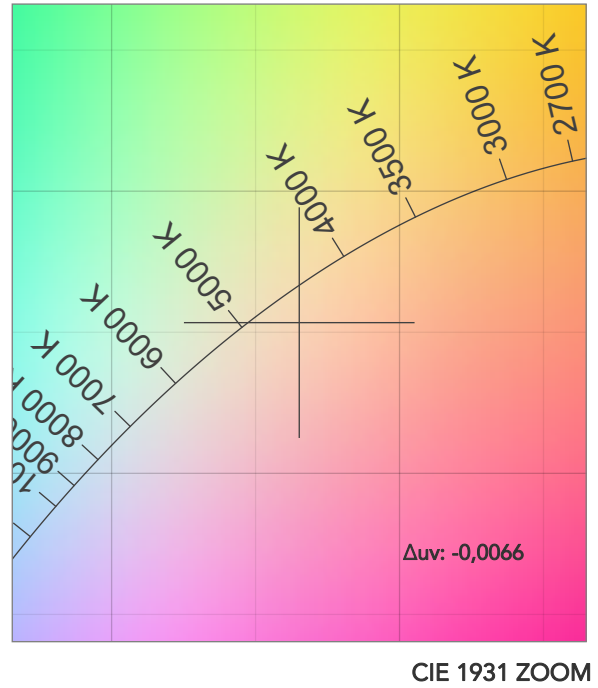
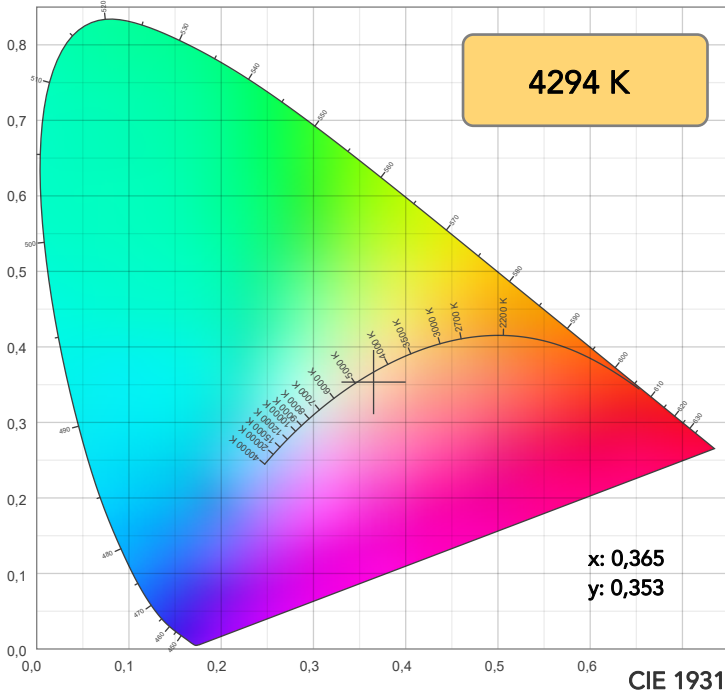
Beam angle 50%: 80,4°

Field angle 10%: 114,9°

Cut off angle 2.5%: 143,5°

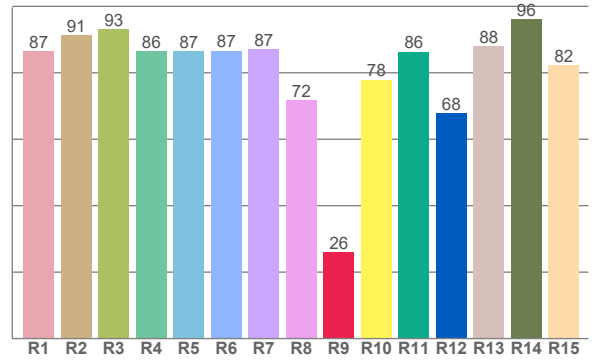
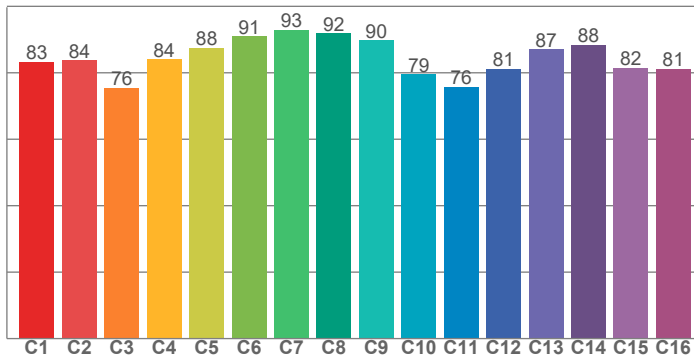
Spectra





TM30: 84,2

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
86,6	91,3	93,1	86,5	86,5	86,6	87,0	71,7	26,0	77,9	86,3	67,8	88,0	96,0	82,2

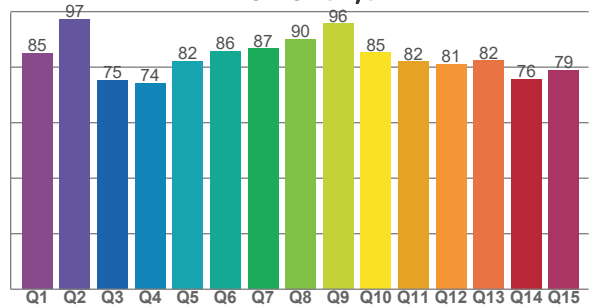
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	83,7	75,5	84,1	87,6	91,0	92,9	91,9	89,8	79,5	75,8	81,2	87,1	88,4	81,5	81,1

CQS Q values

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

CQS: 82,6



COLOR PARAMETERS

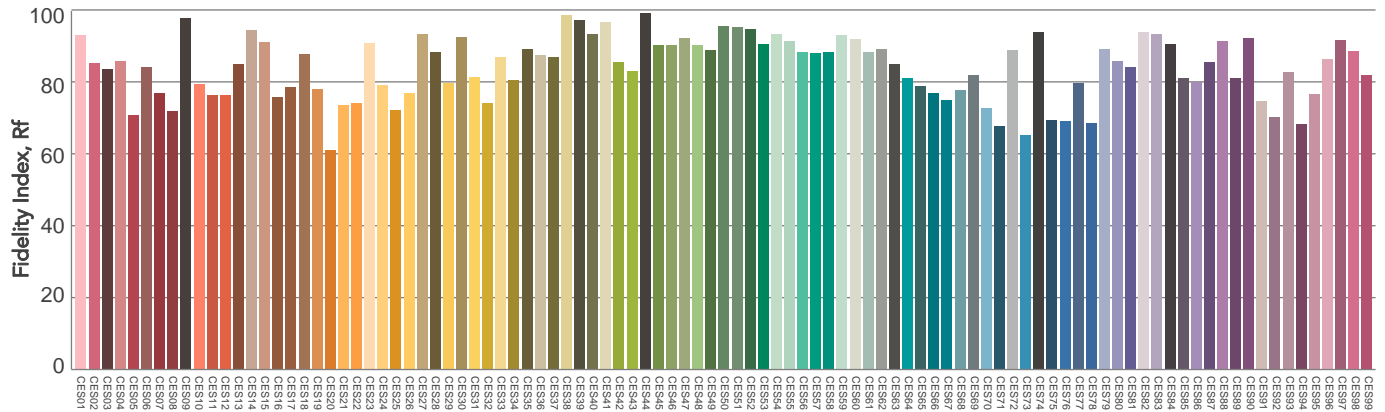
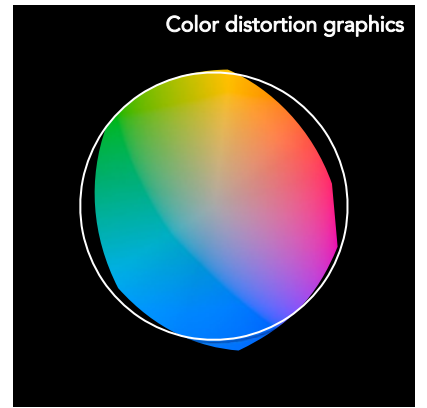
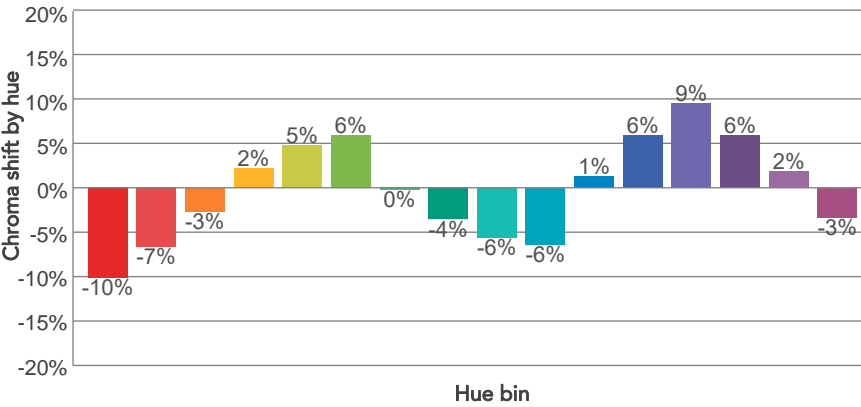
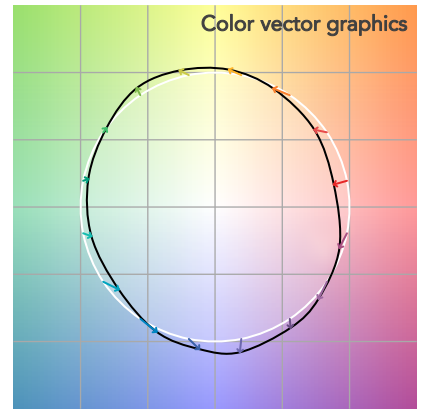
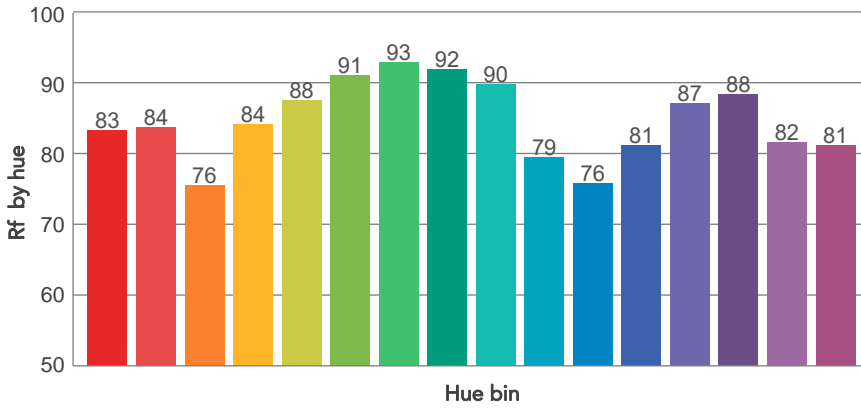
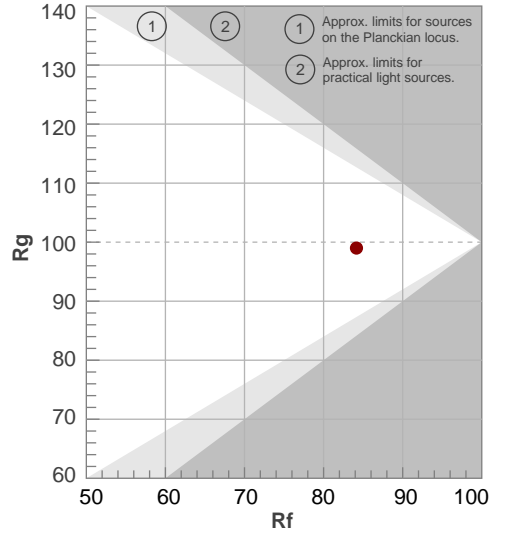
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4294 K	86,1	26,0	84,2	99,0	82,6	71	0,365	0,353	-0,0066

TM30 DETAILS

Rf 84,2
Fidelity index Rf

Rg 99,0
Gammut index

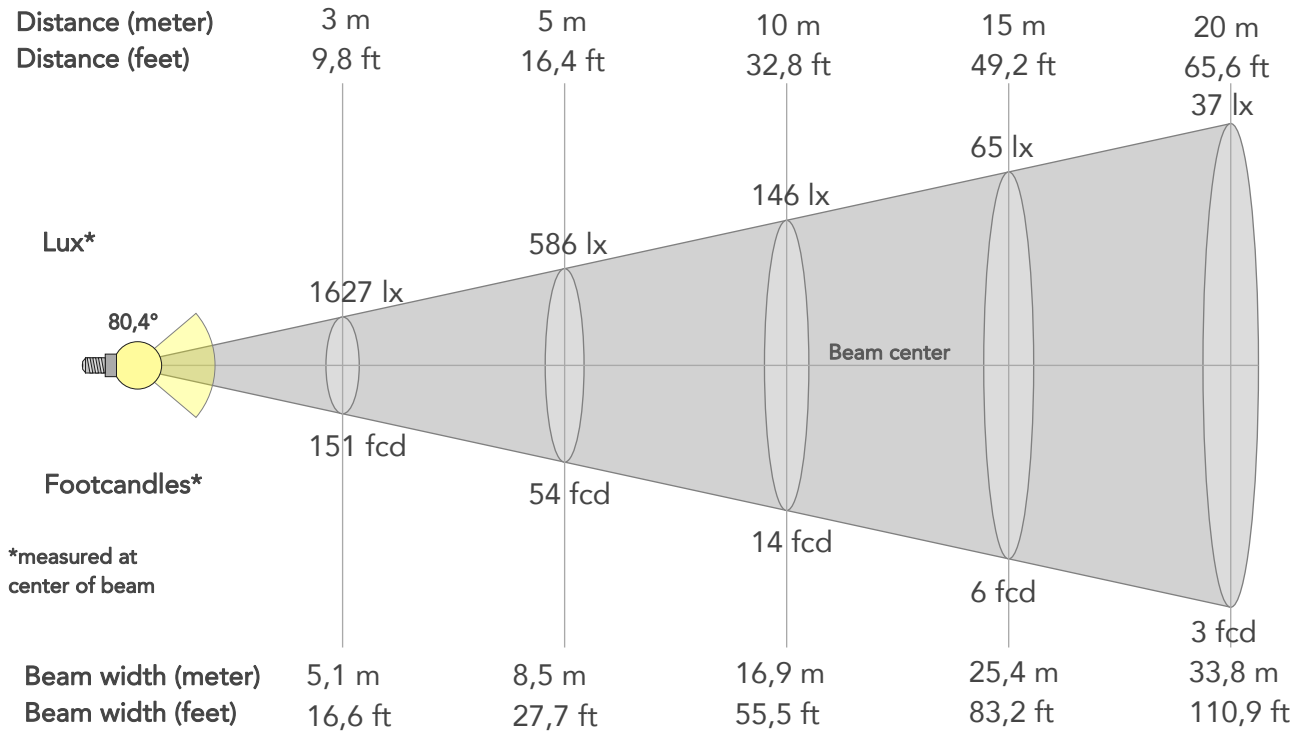
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	76	-3%	13%
4	84	2%	10%
5	88	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-4%	-2%
9	90	-6%	3%
10	79	-6%	11%
11	76	1%	15%
12	81	6%	9%
13	87	9%	-3%
14	88	6%	-3%
15	82	2%	-14%
16	81	-3%	-12%



BEAM DETAILS



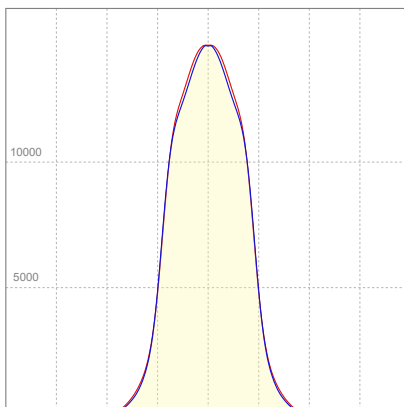
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
80,4°	114,9°	143,5°	95,6%	81,8%



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	14639lx	3660lx	1627lx	915lx	586lx	260lx	146lx	65lx	37lx	23lx	16lx	9lx	6lx
Footcand.	1360fcd	340fcd	151fcd	85fcd	54fcd	24fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	1,7m	3,4m	5,1m	6,8m	8,5m	12,7m	16,9m	25,4m	33,8m	42,3m	50,7m	67,6m	84,5m
Beam wid.	5,6ft	11,2ft	16,6ft	22,1ft	27,7ft	41,6ft	55,5ft	83,2ft	110,9ft	138,6ft	166,4ft	221,8ft	277,3ft

LINEAR DISTRIBUTION DIAGRAM

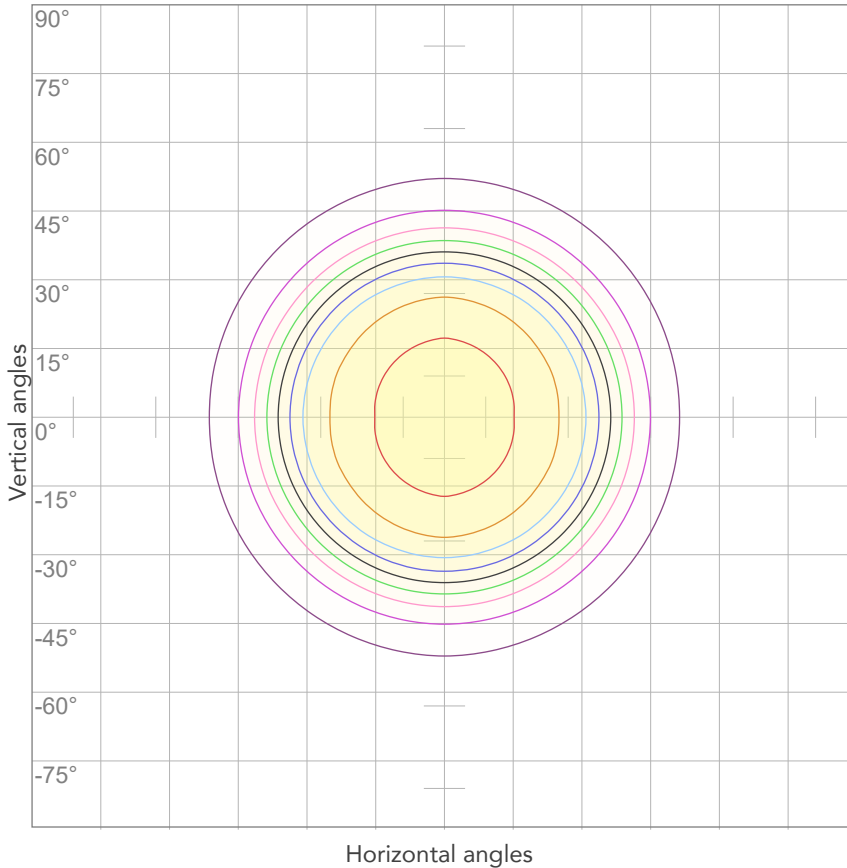


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	2,03A	436,5W	54lm/W

Power Fc
0,96

ISO CANDELA DIAGRAM



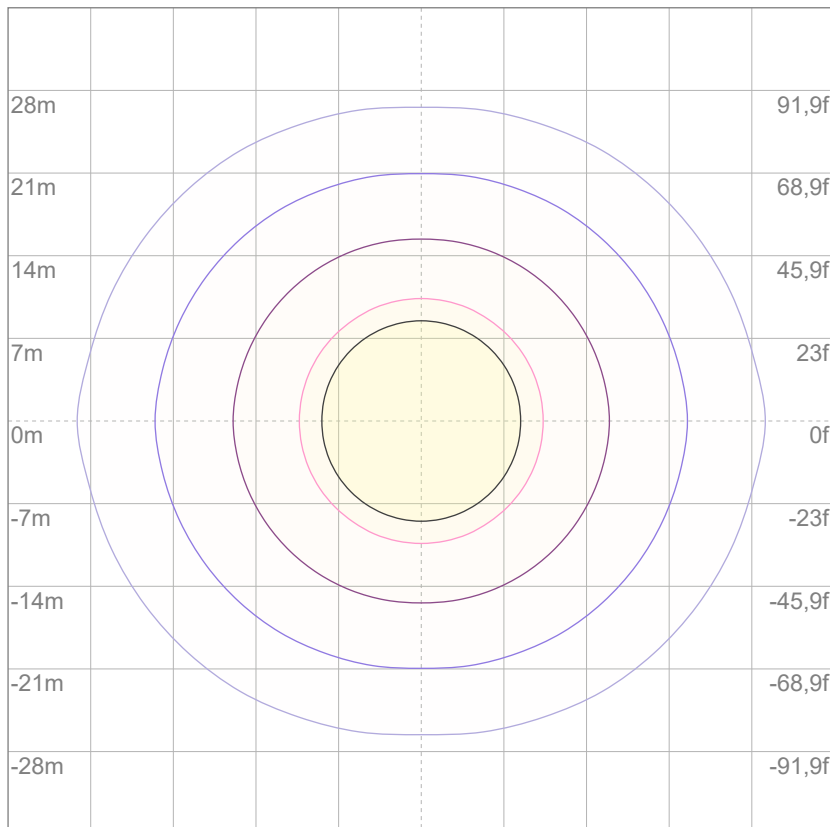
10%	1464 cd
20%	2928 cd
30%	4392 cd
40%	5856 cd
50%	7319 cd
60%	8783 cd
70%	10247 cd
80%	11711 cd

Conditions:

Number of c-planes: 4

Candela at center: 14639 cd

ISO LUX DIAGRAM



3%	4,39 lx
5%	7,32 lx
10%	14,6 lx
30%	43,9 lx
50%	73,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 146 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:

46553 lm

Peak candela output:

86790 cd

Light quality:

CRI: 86,2

Color temperature:

4272 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 10°x60°Filter

Target:

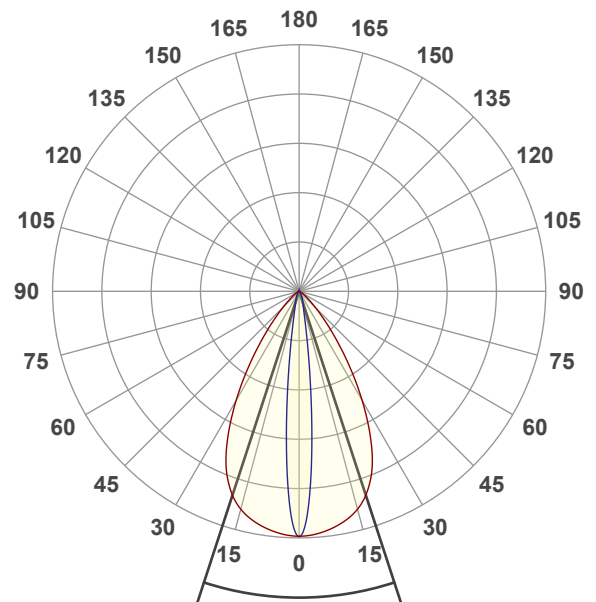
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:31:28

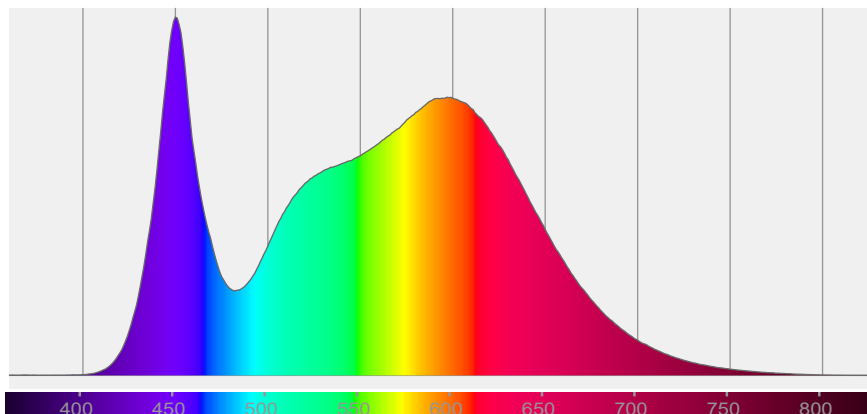


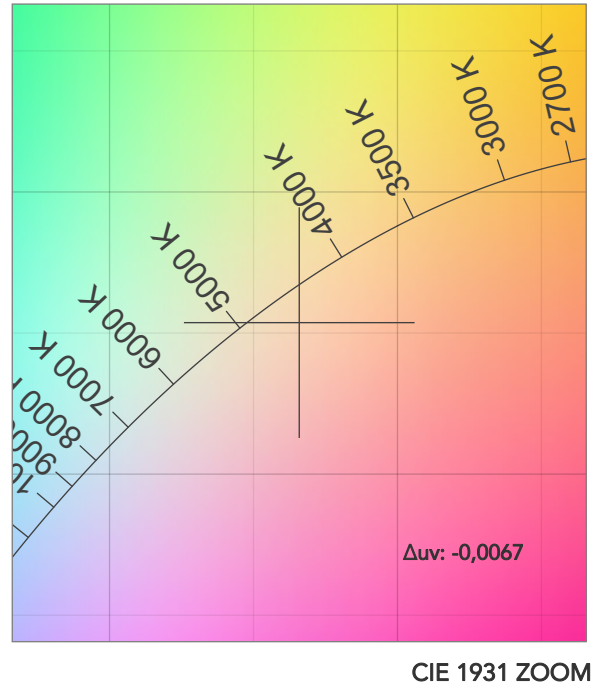
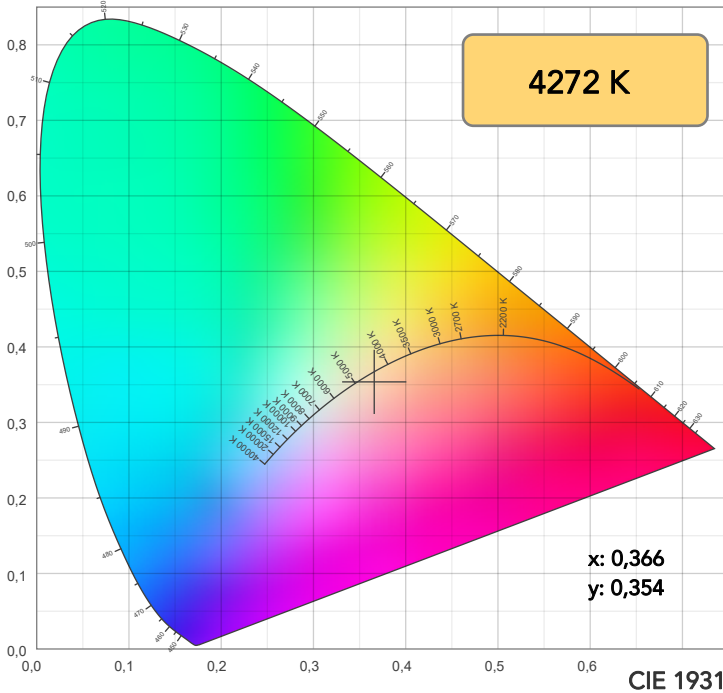
Beam angle 50%: 36,2°

Field angle 10%: 57°

Cut off angle 2.5%: 80,5°

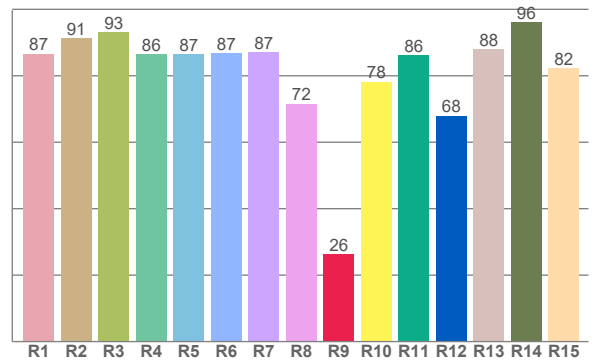
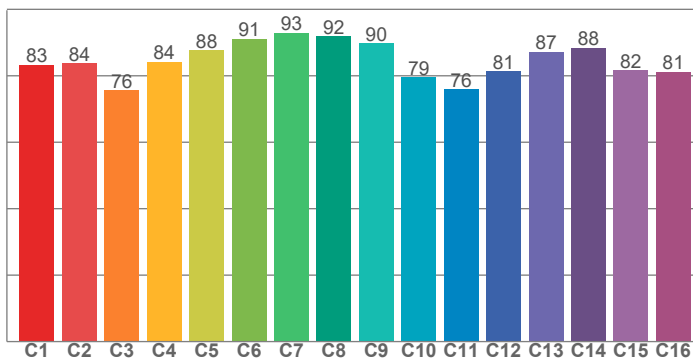
Spectra





TM30: 84,2

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
86,6	91,4	93,2	86,5	86,6	86,8	87,0	71,6	26,2	78,2	86,2	68,0	88,1	96,1	82,3

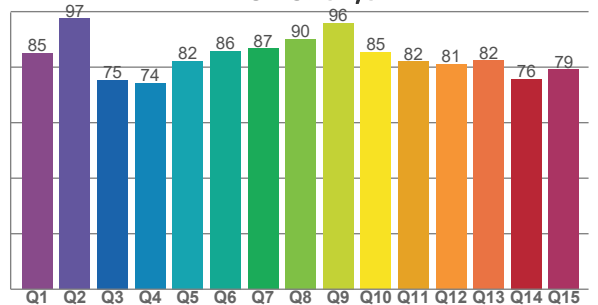
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,3	83,8	75,7	84,3	87,7	91,2	93,0	91,9	89,8	79,5	75,8	81,3	87,1	88,5	81,6	81,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,0	97,5	75,3	74,2	82,2	85,8	86,7	90,2	95,8	85,3	82,0	81,2	82,4	75,8	79,1

CQS: 82,6



COLOR PARAMETERS

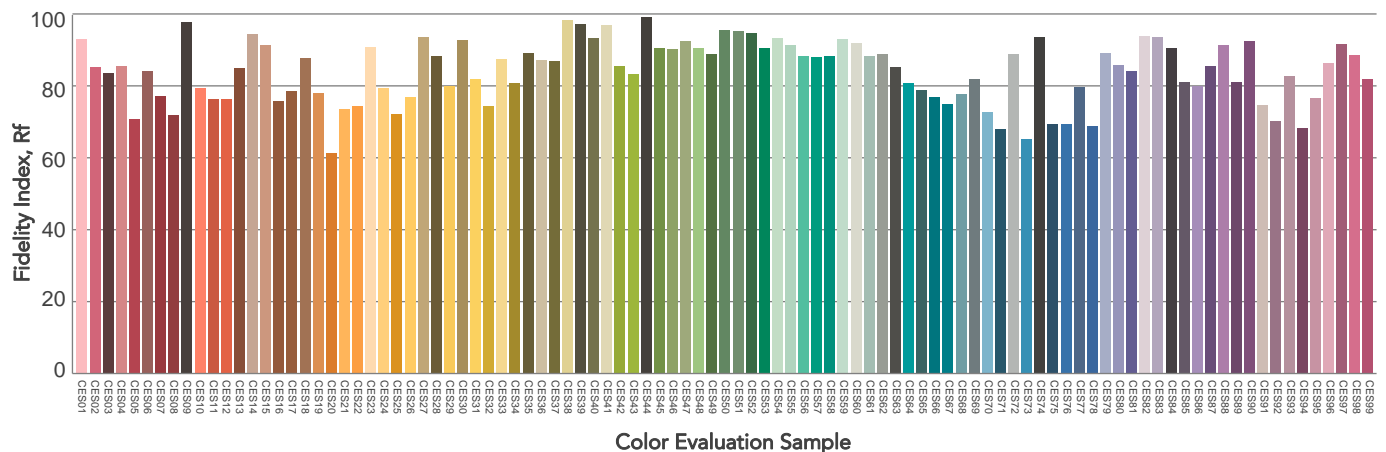
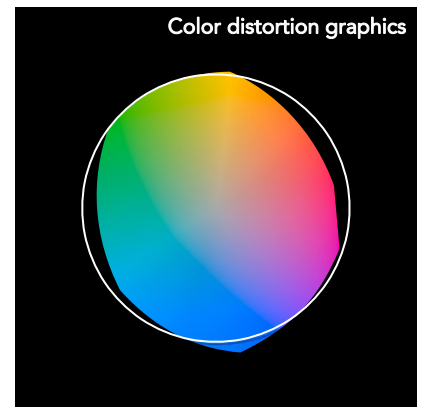
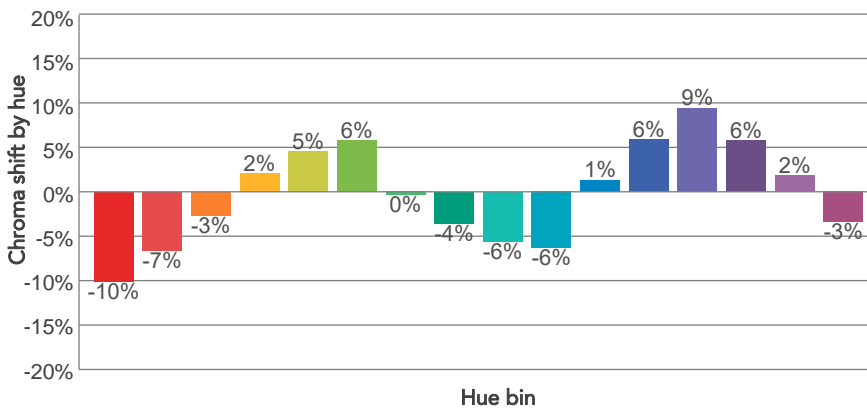
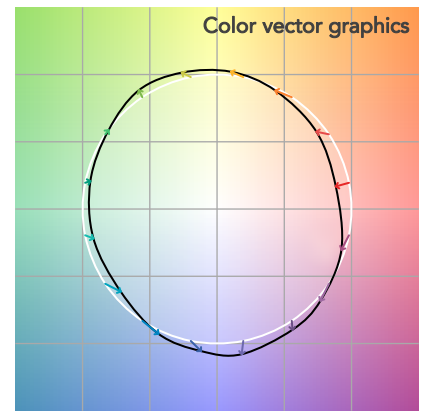
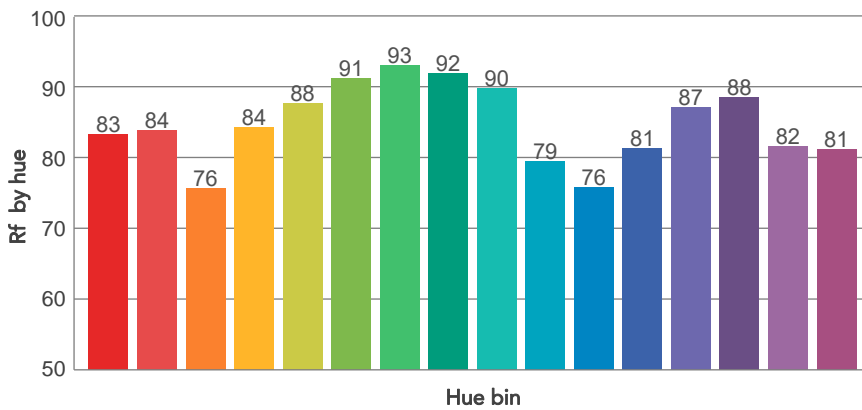
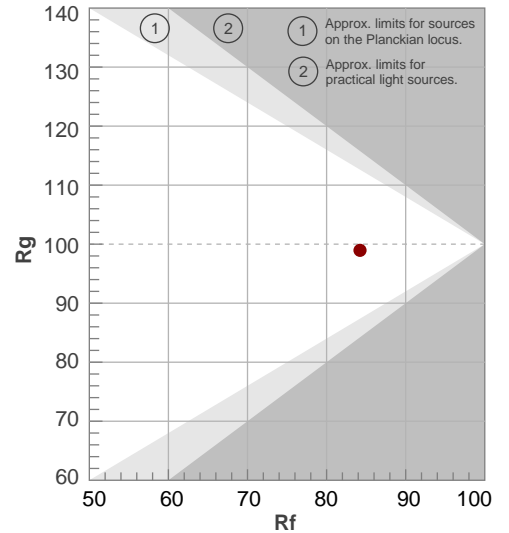
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4272 K	86,2	26,2	84,2	99,0	82,6	71	0,366	0,354	-0,0067

TM30 DETAILS

Rf 84,2
Fidelity index Rf

Rg 99,0
Gammut index

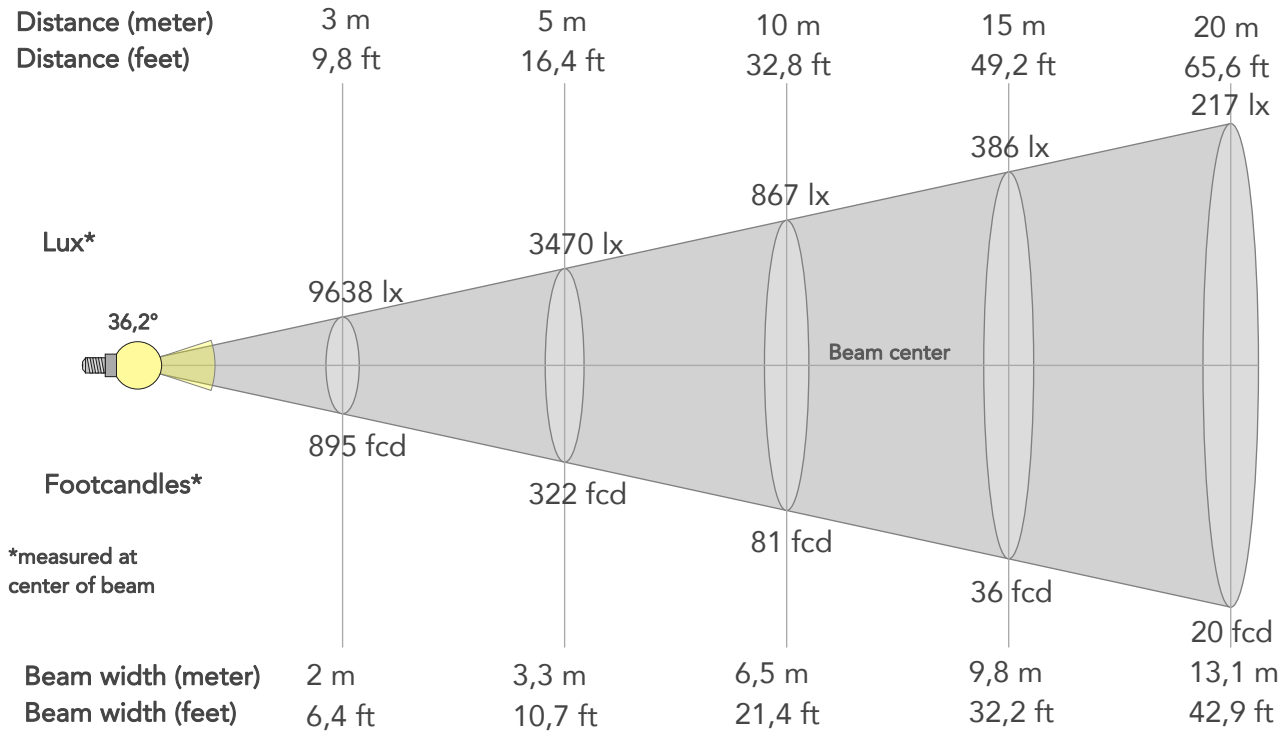
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	76	-3%	13%
4	84	2%	10%
5	88	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-4%	-2%
9	90	-6%	4%
10	79	-6%	11%
11	76	1%	15%
12	81	6%	9%
13	87	9%	-3%
14	88	6%	-3%
15	82	2%	-14%
16	81	-3%	-12%



BEAM DETAILS



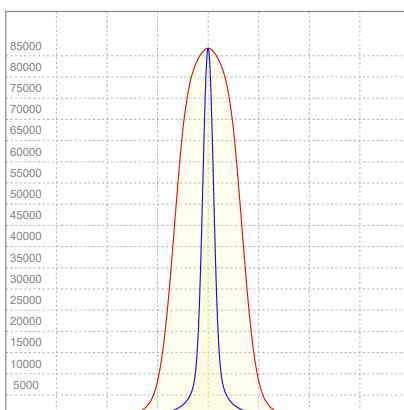
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36,2°	57°	80,5°	99,1%	94,0%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	86740lx	21685lx	9638lx	5421lx	3470lx	1542lx	867lx	386lx	217lx	139lx	96lx	54lx	35lx
Footcand.	8058fcd	2015fcd	895fcd	504fcd	322fcd	143fcd	81fcd	36fcd	20fcd	13fcd	9fcd	5fcd	3fcd
Beam wid.	0,7m	1,3m	2m	2,6m	3,3m	4,9m	6,5m	9,8m	13,1m	16,3m	19,6m	26,2m	32,7m
Beam wid.	2,2ft	4,3ft	6,4ft	8,6ft	10,7ft	16,1ft	21,4ft	32,2ft	42,9ft	53,6ft	64,3ft	85,8ft	107,2ft

LINEAR DISTRIBUTION DIAGRAM

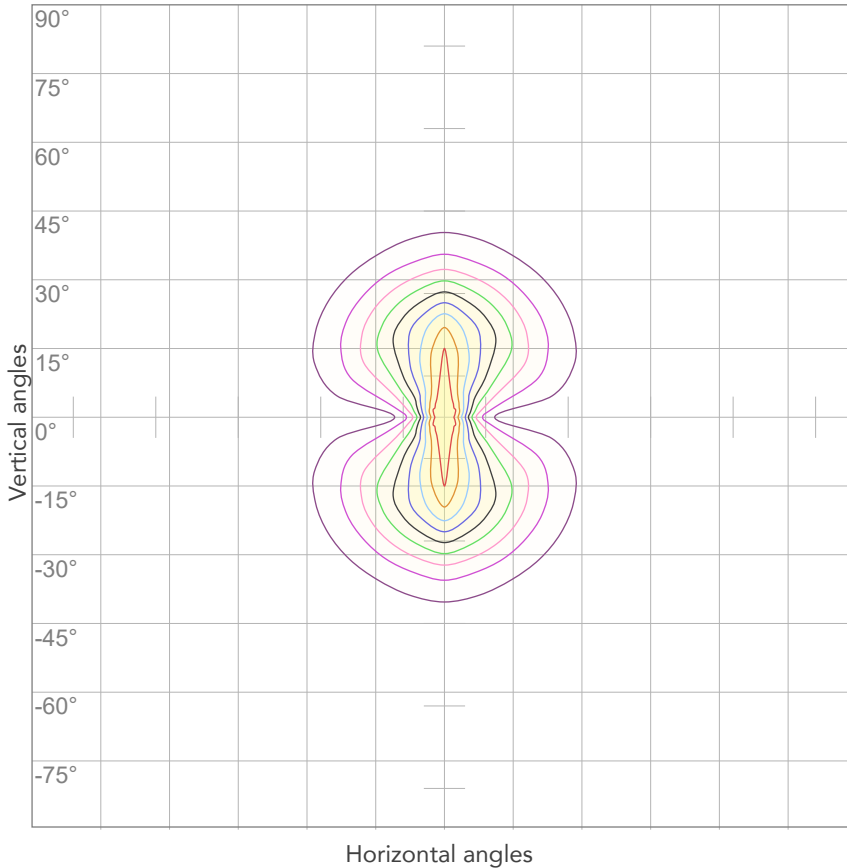


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	2,03A	436,3W	107lm/W

Power Fc
0,96

ISO CANDELA DIAGRAM



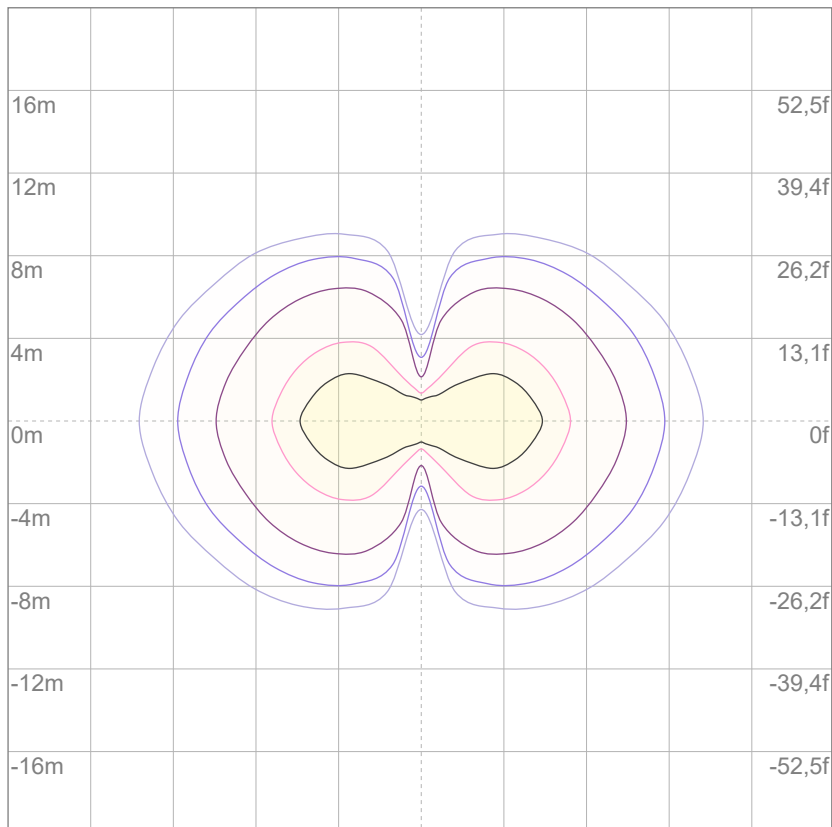
10%	8674 cd
20%	17348 cd
30%	26022 cd
40%	34696 cd
50%	43370 cd
60%	52044 cd
70%	60718 cd
80%	69392 cd

Conditions:

Number of c-planes: 4

Candela at center: 86740 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	26,0 lx
5%	43,4 lx
10%	86,7 lx
30%	260 lx
50%	434 lx

Conditions:

Number of c-planes: 4

Lux at center: 867 lx

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



Total lumen output:

27287 lm

Peak candela output:

39480 cd

Light quality:

CRI: 86,2

Color temperature:

4288 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°x60°Filter

Target:

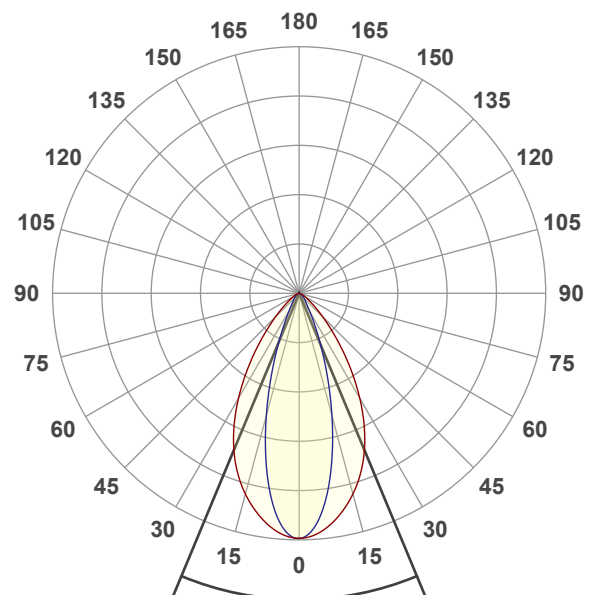
Full On

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:42:10

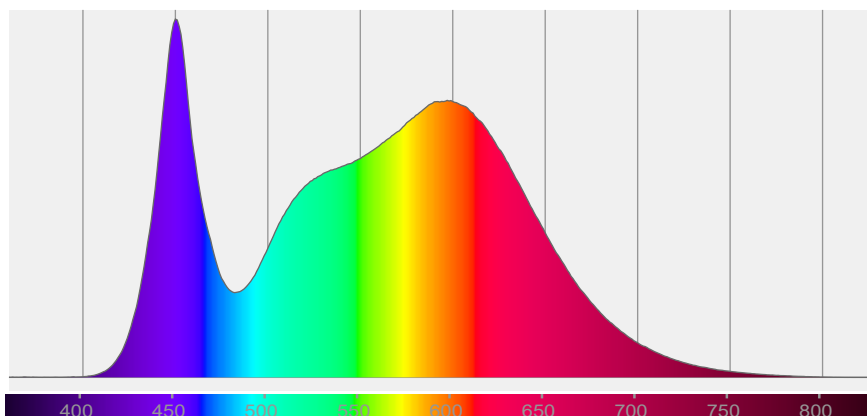


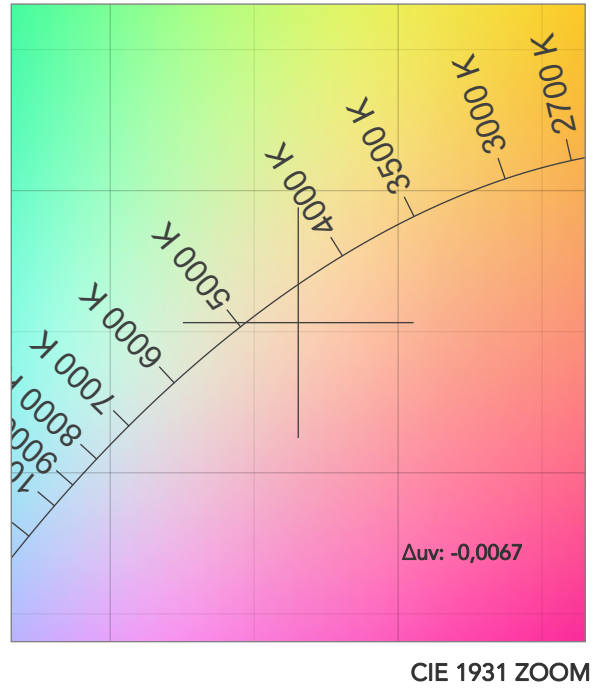
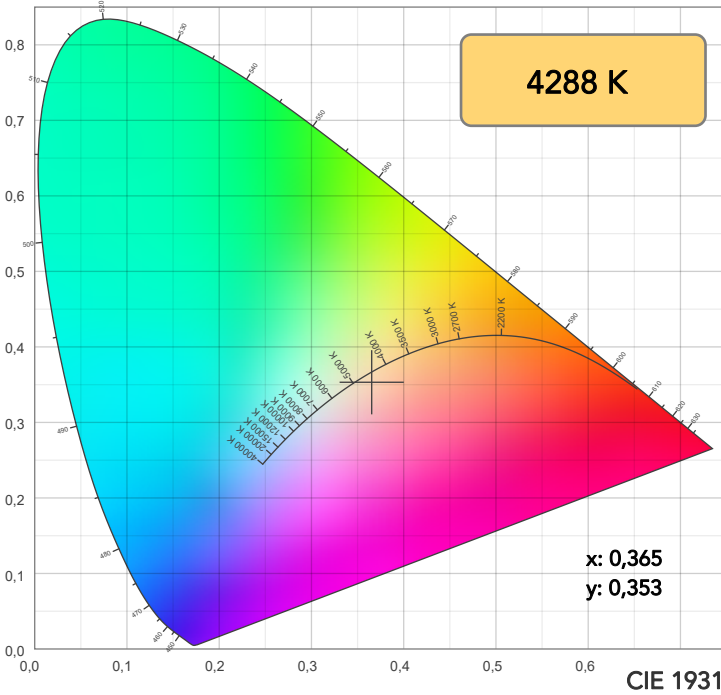
Beam angle 50%: 45,2°

Field angle 10%: 76,6°

Cut off angle 2.5%: 106,9°

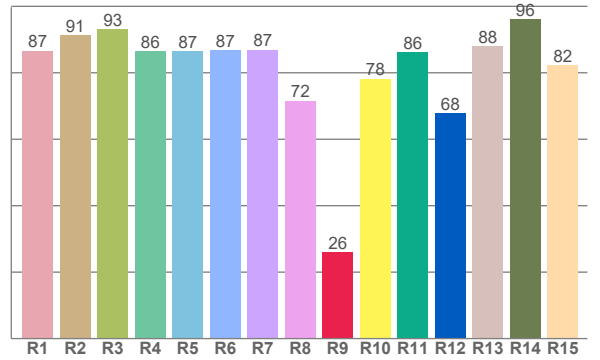
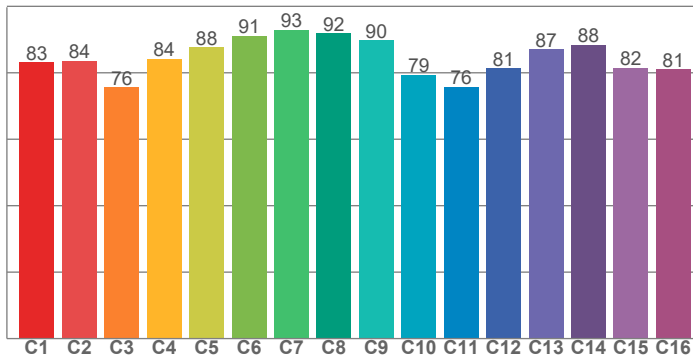
Spectra





TM30: 84,2

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
86,6	91,4	93,2	86,4	86,5	86,7	87,0	71,6	26,0	78,2	86,2	67,9	88,0	96,1	82,3

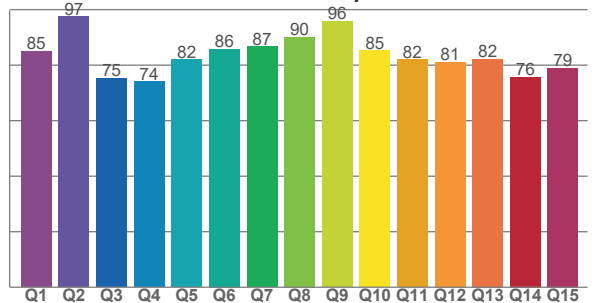
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
83,2	83,7	75,5	84,2	87,7	91,2	93,0	91,9	89,7	79,4	75,8	81,3	87,1	88,4	81,5	81,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85,0	97,5	75,3	74,0	82,0	85,7	86,7	90,2	95,8	85,3	81,9	81,1	82,3	75,7	79,0

CQS: 82,5



COLOR PARAMETERS

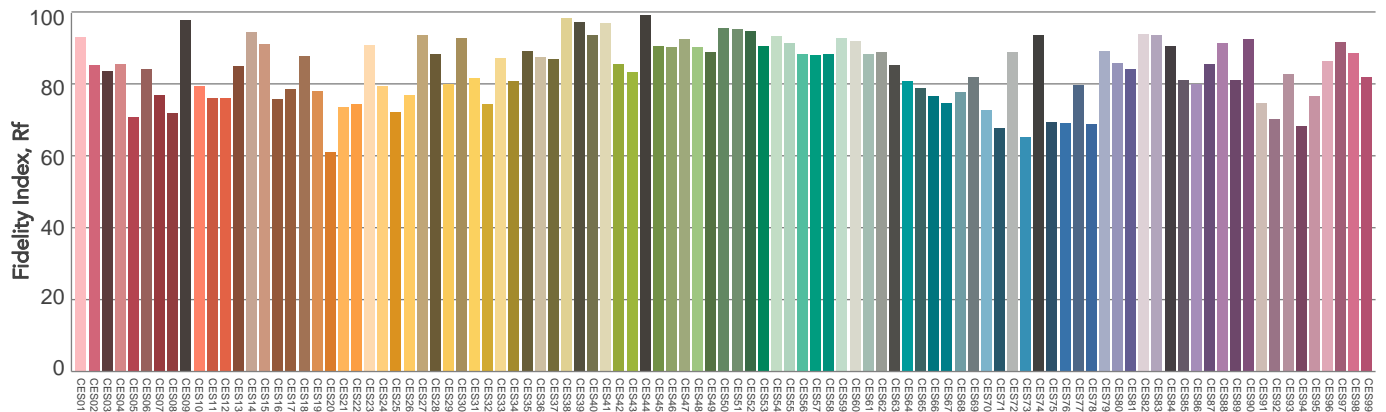
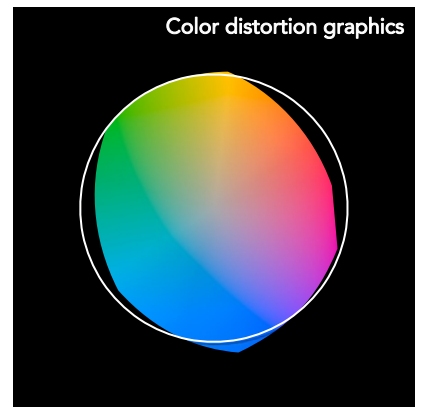
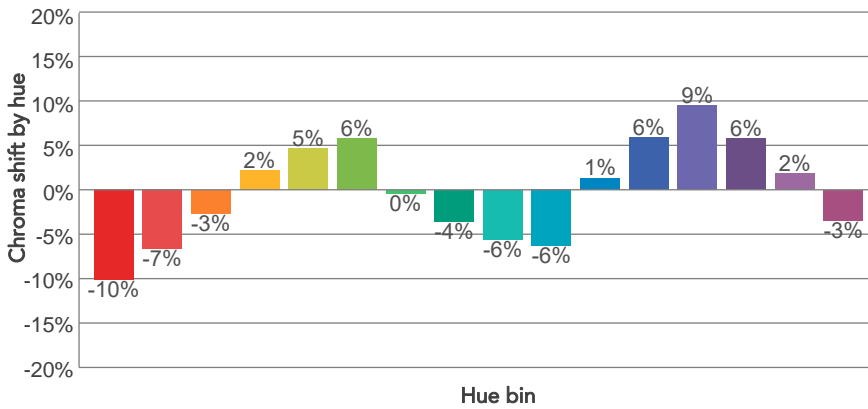
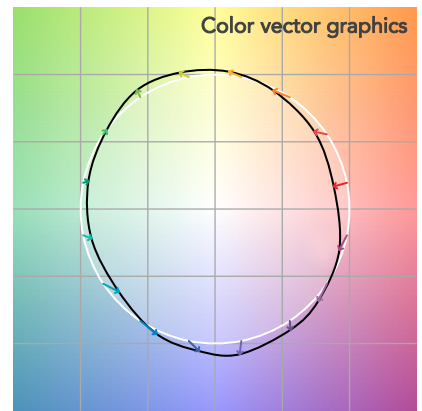
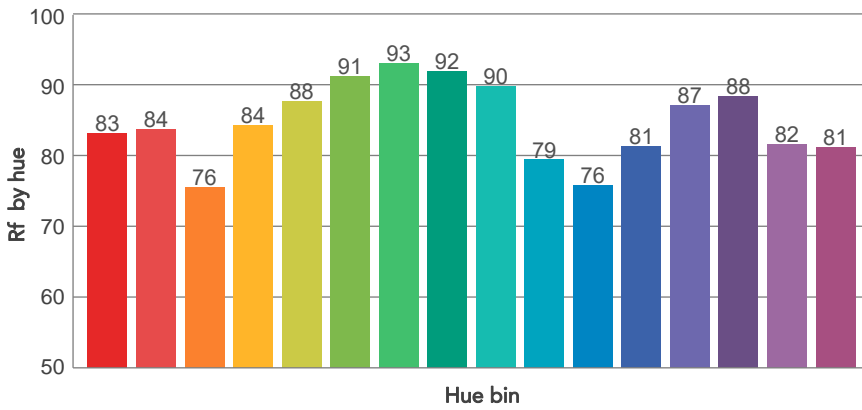
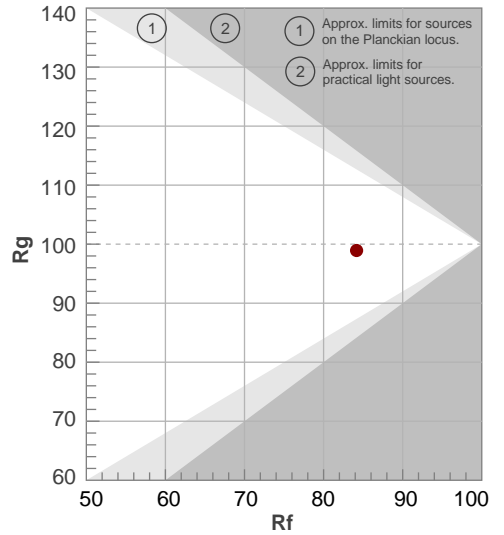
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4288 K	86,2	26,0	84,2	98,9	82,5	71	0,365	0,353	-0,0067

TM30 DETAILS

Rf 84,2
Fidelity index Rf

Rg 98,9
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	-10%	-1%
2	84	-7%	7%
3	76	-3%	13%
4	84	2%	10%
5	88	5%	6%
6	91	6%	-1%
7	93	0%	-4%
8	92	-4%	-2%
9	90	-6%	4%
10	79	-6%	11%
11	76	1%	15%
12	81	6%	9%
13	87	9%	-3%
14	88	6%	-3%
15	82	2%	-14%
16	81	-3%	-12%

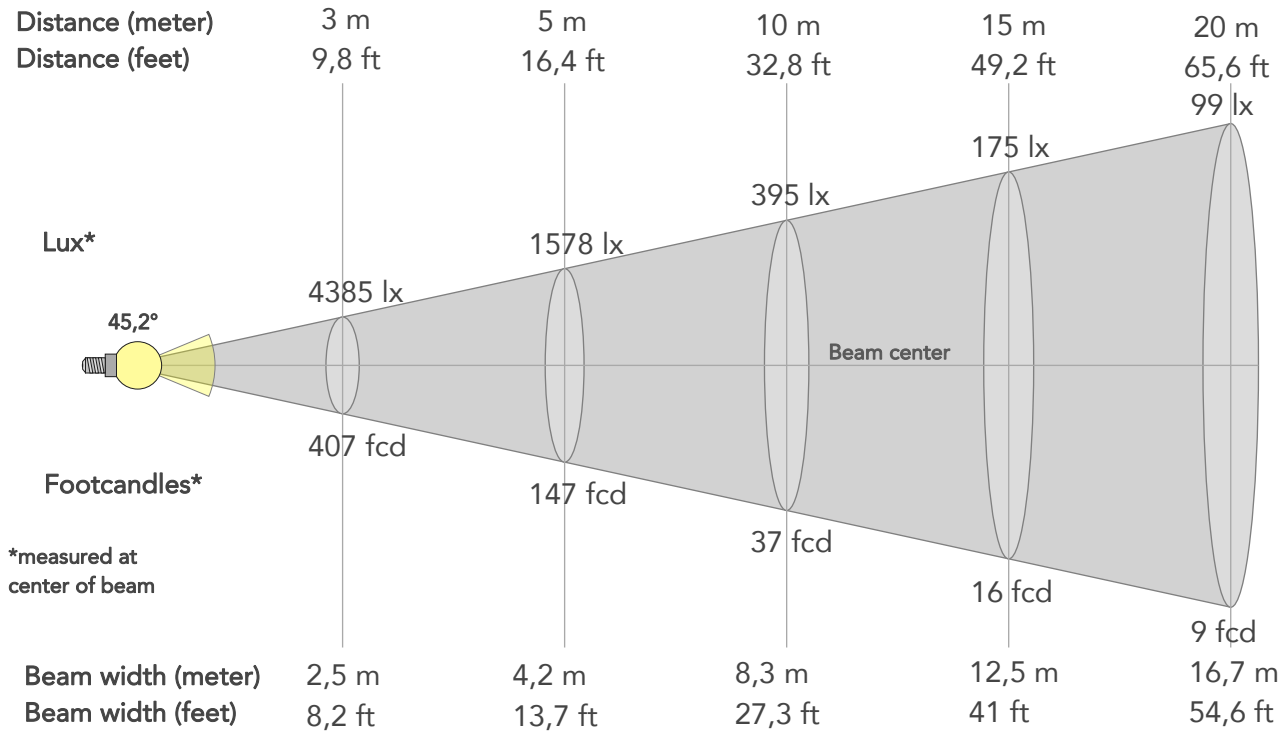


Color Evaluation Sample

BEAM DETAILS



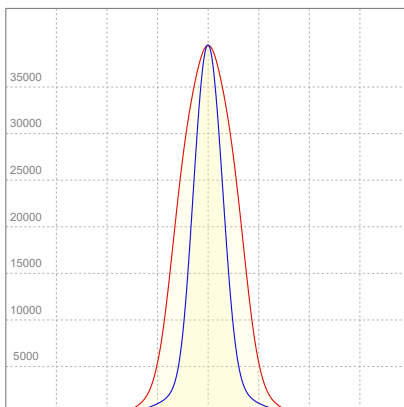
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	76,6°	106,9°	98,1%	90,3%



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	39462lx	9866lx	4385lx	2466lx	1578lx	702lx	395lx	175lx	99lx	63lx	44lx	25lx	16lx
Footcand.	3666fcd	917fcd	407fcd	229fcd	147fcd	65fcd	37fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,7m	20,8m	25m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,3ft	41ft	54,6ft	68,3ft	81,9ft	109,2ft	136,6ft

LINEAR DISTRIBUTION DIAGRAM

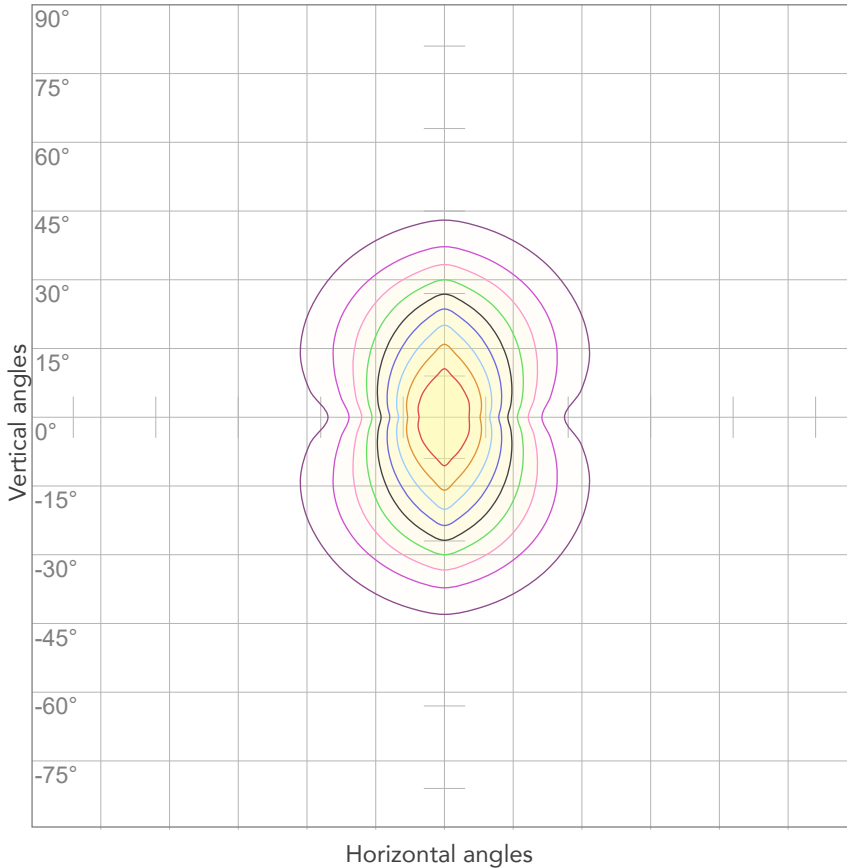


ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	2,03A	435,7W	63lm/W

Power Fc
0,96

ISO CANDELA DIAGRAM



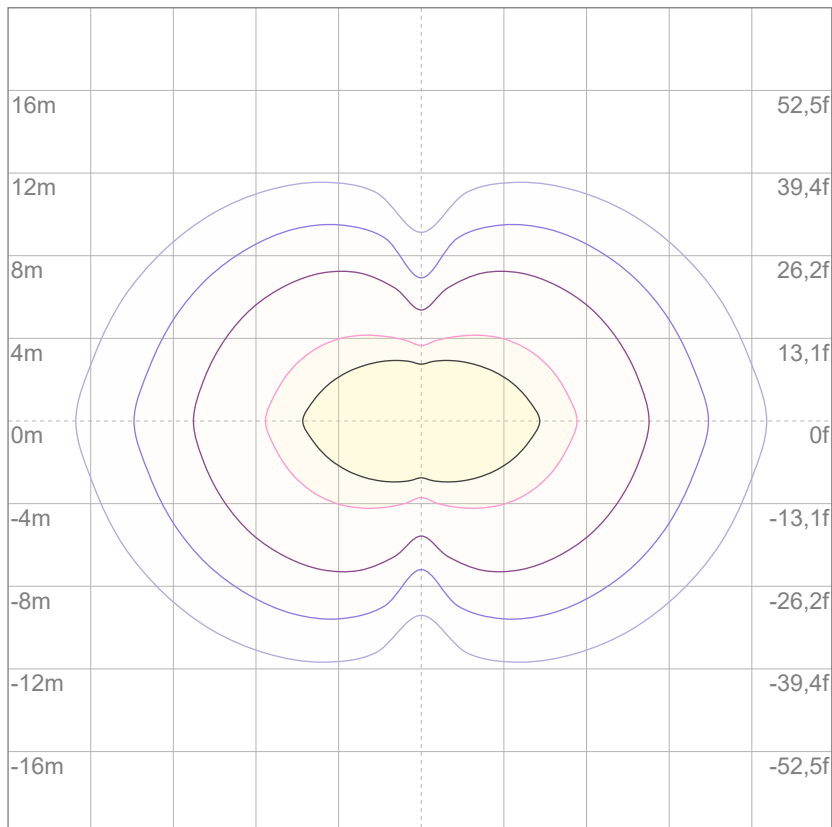
10%	3946 cd
20%	7892 cd
30%	11839 cd
40%	15785 cd
50%	19731 cd
60%	23677 cd
70%	27624 cd
80%	31570 cd

Conditions:

Number of c-planes: 4

Candela at center: 39462 cd

ISO LUX DIAGRAM



3%	11,8 lx
5%	19,7 lx
10%	39,5 lx
30%	118 lx
50%	197 lx

Conditions:

Number of c-planes: 4

Lux at center: 395 lx

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



Total lumen output:

11217 lm

Peak candela output:

221511 cd

Light quality:

CRI: 81,3

Color temperature:

2720 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

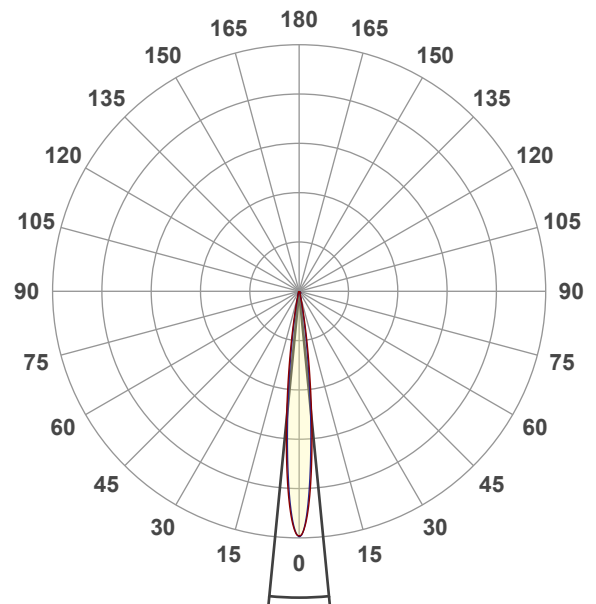
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:15:00

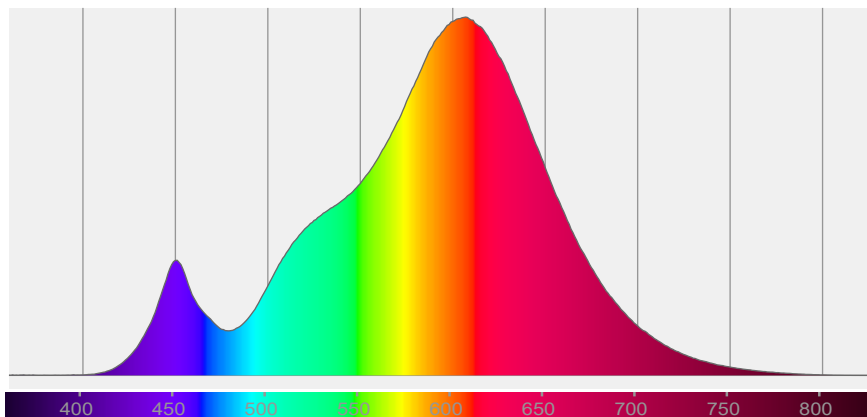


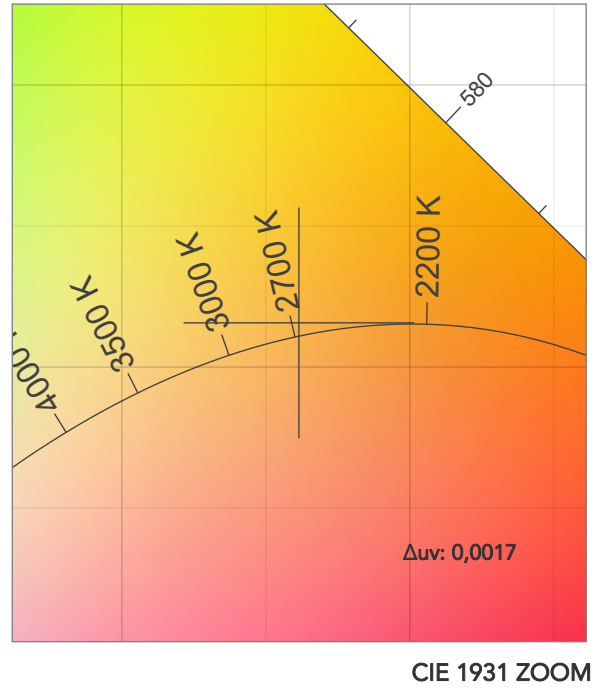
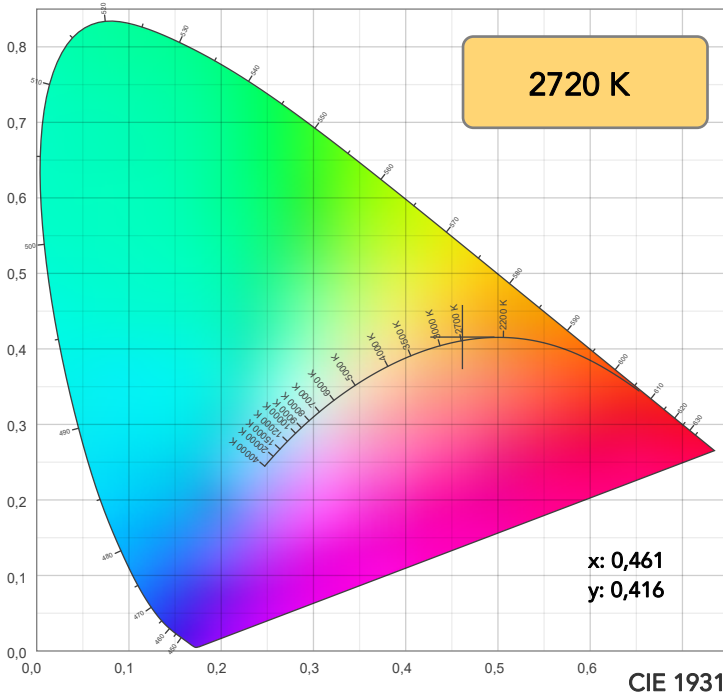
Beam angle 50%: 11,2°

Field angle 10%: 20,6°

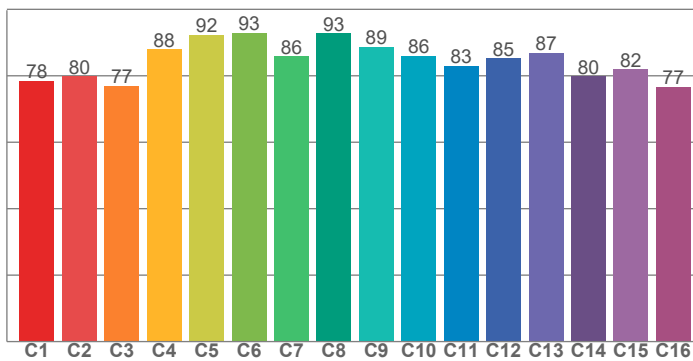
Cut off angle 2.5%: 28,8°

Spectra

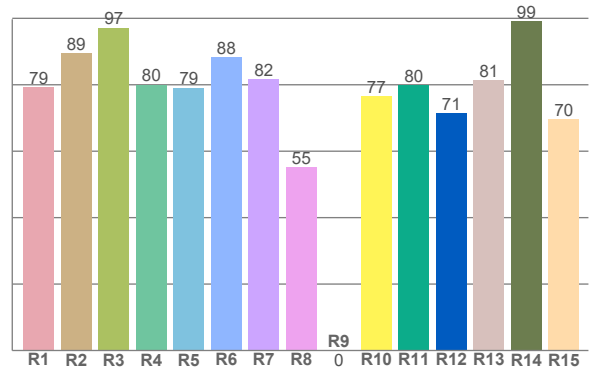




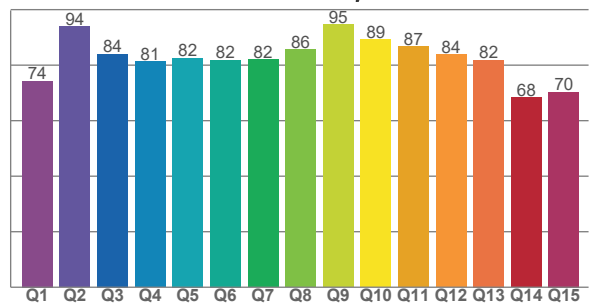
TM30: 84,4



CRI: 81,3 (R1-R8)



CQS: 81,1



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	89,5	97,2	80,0	79,1	88,2	81,8	55,2	0,0	76,6	79,9	71,5	81,5	99,1	69,7

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
78,4	79,8	76,9	87,9	92,4	92,8	85,9	92,7	88,7	86,0	83,0	85,2	86,9	79,9	81,9	76,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,3	93,8	84,0	81,3	82,5	81,9	82,1	85,5	94,7	89,3	86,7	83,8	81,9	68,4	70,4

COLOR PARAMETERS

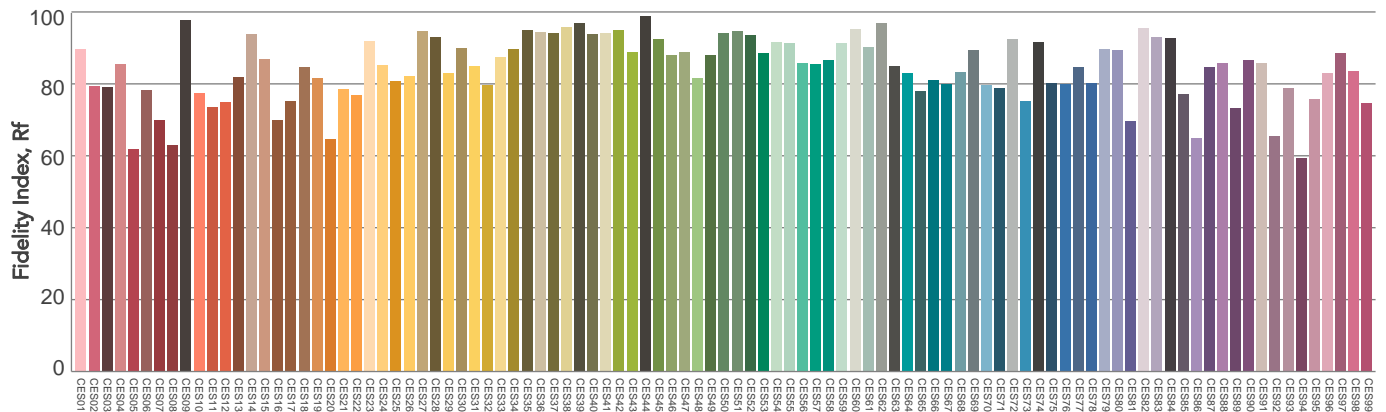
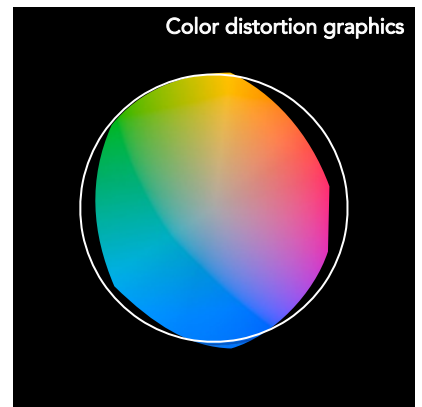
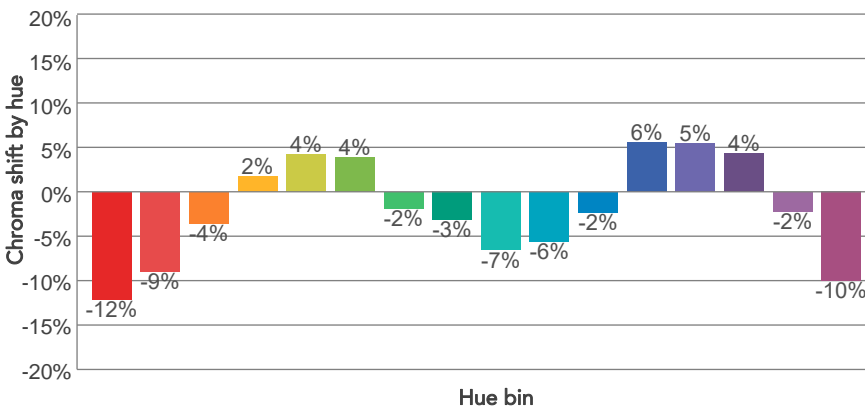
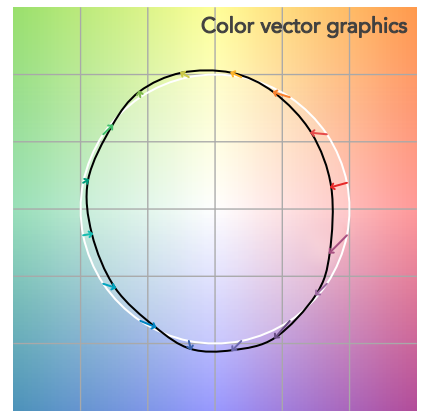
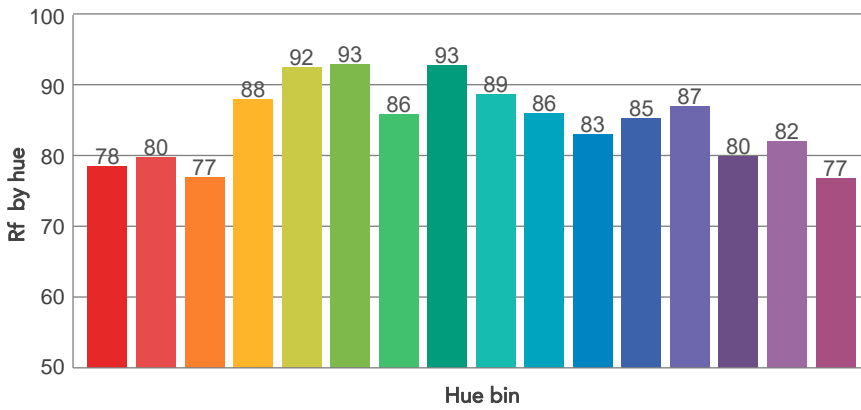
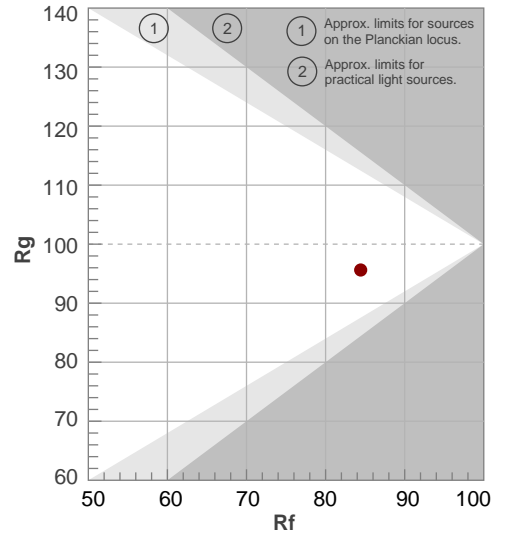
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2720 K	81,3	0,0	84,4	95,6	81,1	64	0,461	0,416	0,0017

TM30 DETAILS

Rf 84,4
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	92	4%	5%
6	93	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-7%	0%
10	86	-6%	7%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

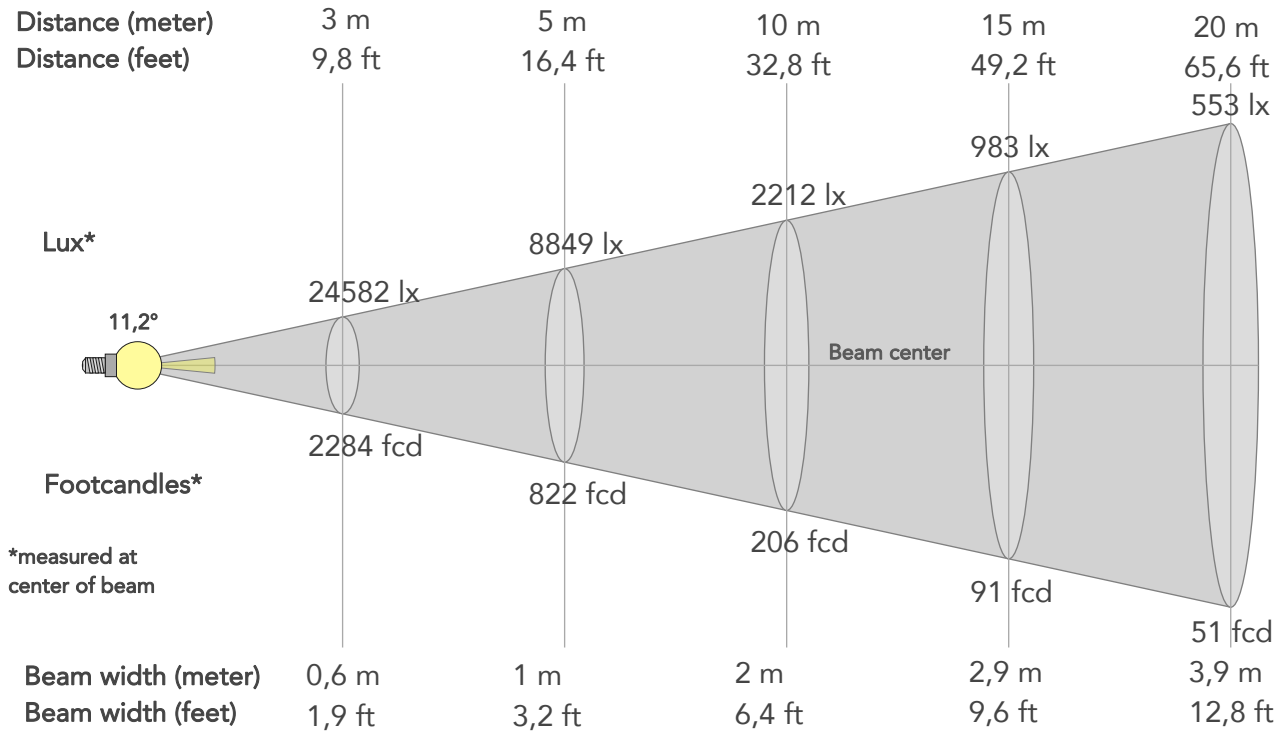


Color Evaluation Sample

BEAM DETAILS



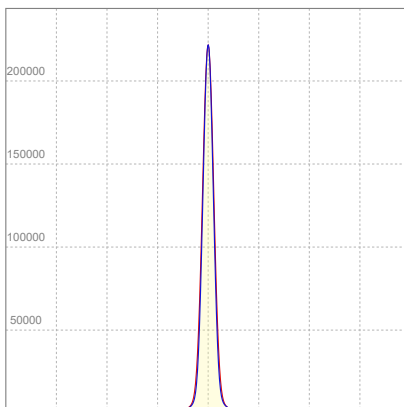
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,2°	20,6°	28,8°	100,0%	99,9%



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	221237lx	55309lx	24582lx	13827lx	8849lx	3933lx	2212lx	983lx	553lx	354lx	246lx	138lx	88lx
Footcand.	20554fcd	5138fcd	2284fcd	1285fcd	822fcd	365fcd	206fcd	91fcd	51fcd	33fcd	23fcd	13fcd	8fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	2,9m	3,9m	4,9m	5,9m	7,8m	9,8m
Beam wid.	0,6ft	1,3ft	1,9ft	2,6ft	3,2ft	4,8ft	6,4ft	9,6ft	12,8ft	16ft	19,3ft	25,7ft	32,1ft

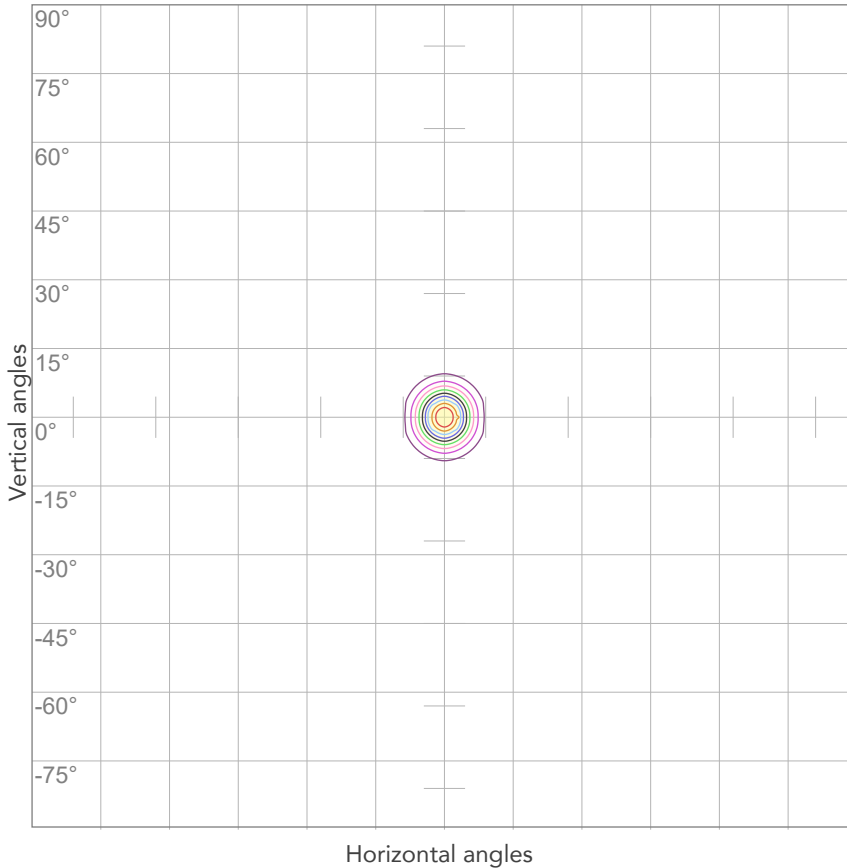
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,09A	219,1W	51lm/W

ISO CANDELA DIAGRAM



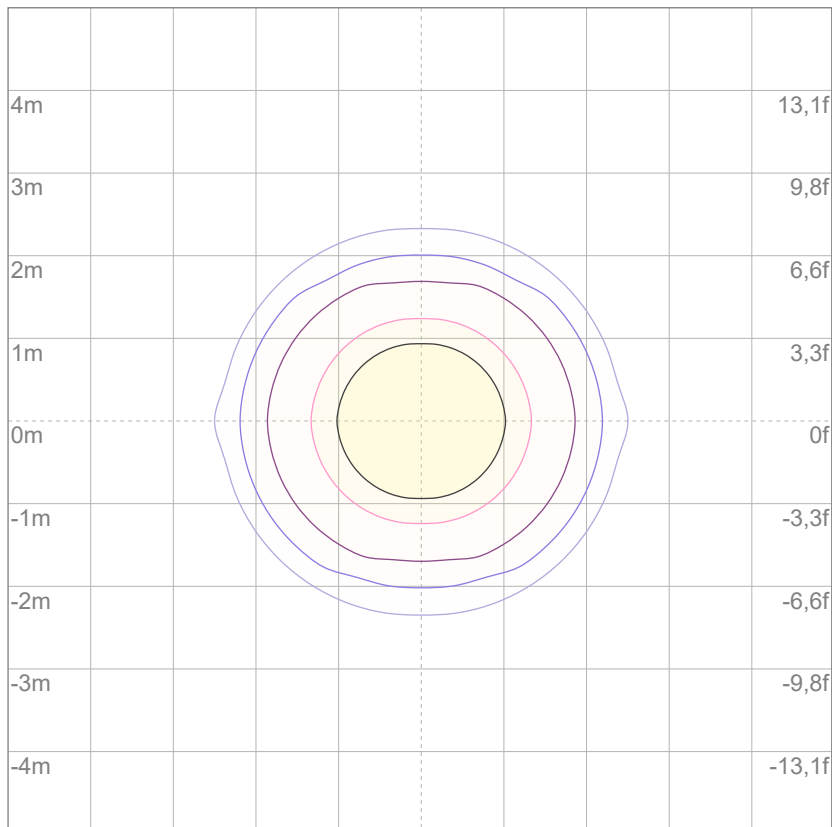
10%	22124 cd
20%	44247 cd
30%	66371 cd
40%	88495 cd
50%	110619 cd
60%	132742 cd
70%	154866 cd
80%	176990 cd

Conditions:

Number of c-planes: 4

Candela at center: 221237 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	66,4 lx
5%	111 lx
10%	221 lx
30%	664 lx
50%	1106 lx

Conditions:

Number of c-planes: 4

Lux at center: 2212 lx

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



Total lumen output:

11239 lm

Peak candela output:

45620 cd

Light quality:

CRI: 81,1

Color temperature:

2715 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 20°Filter

Target:

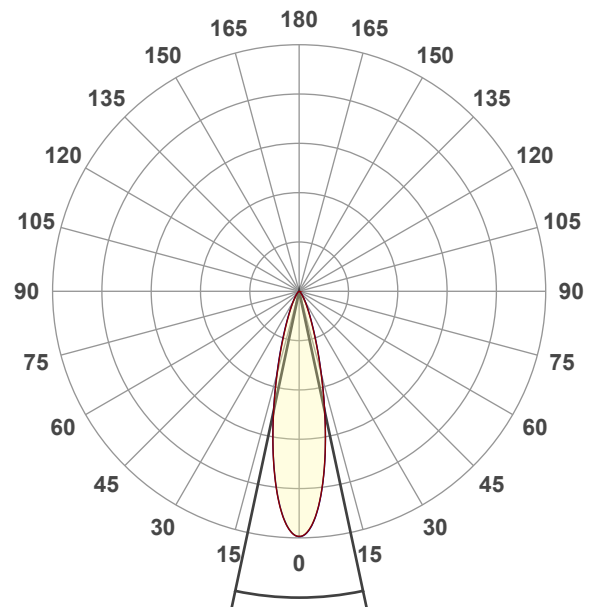
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:34:25

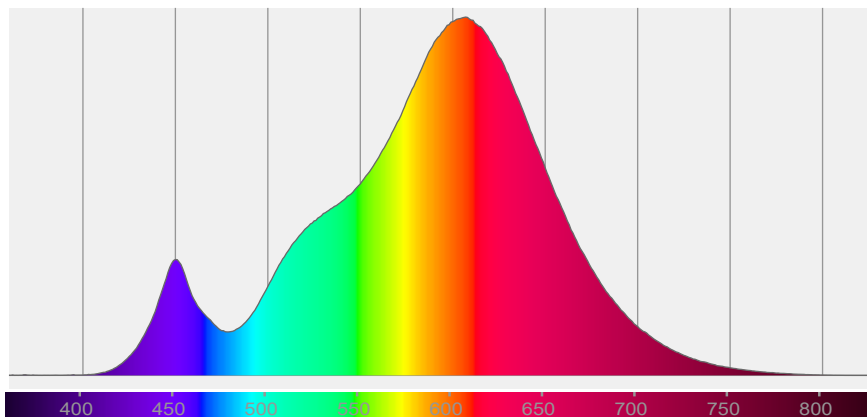


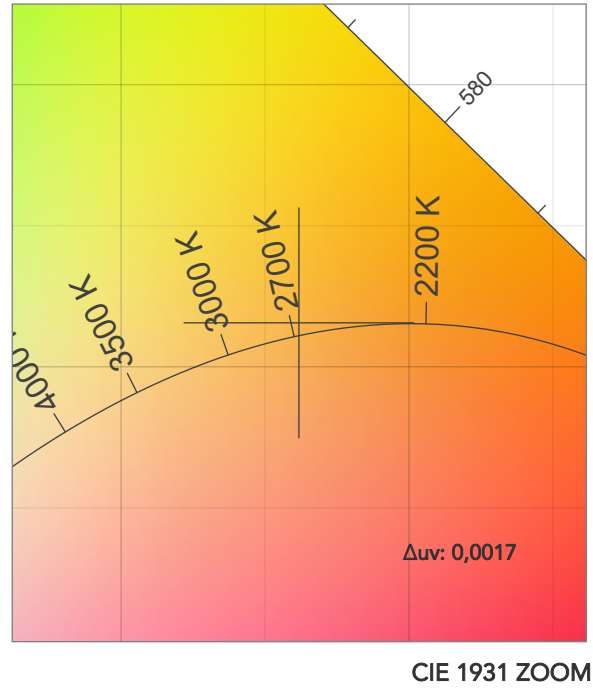
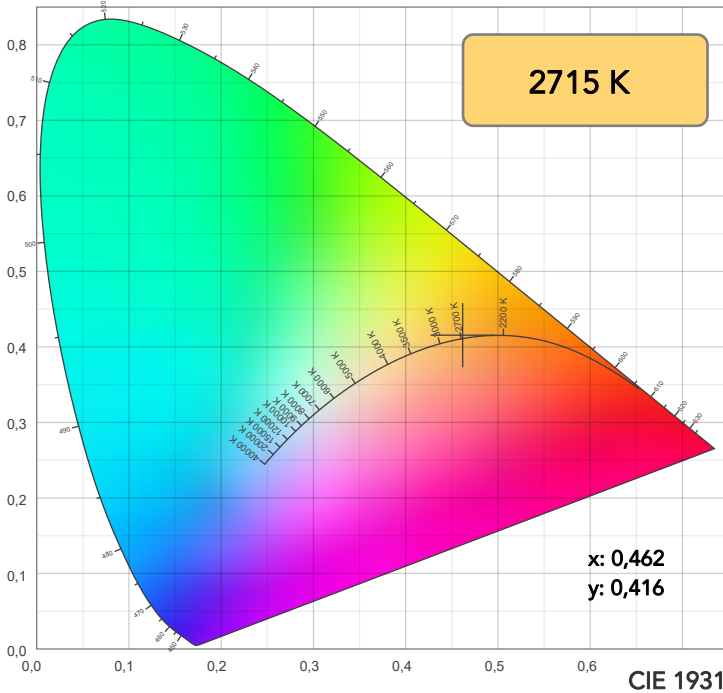
Beam angle 50%: 24,1°

Field angle 10%: 48,4°

Cut off angle 2.5%: 72°

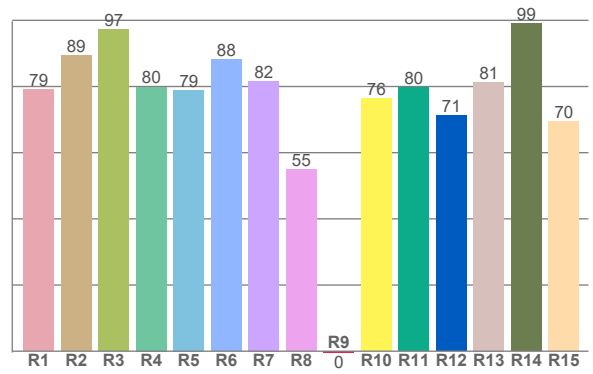
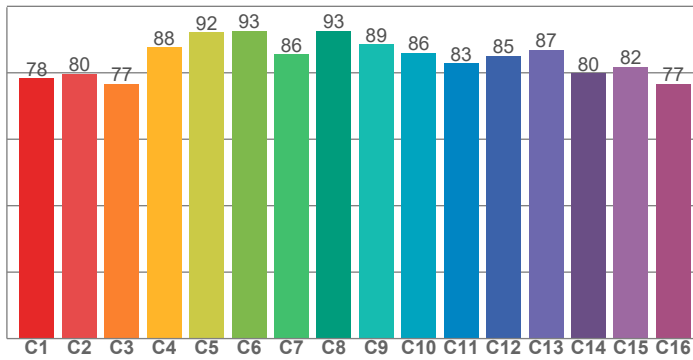
Spectra





TM30: 84,3

CRI: 81,1 (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
79,0	89,4	97,2	79,9	79,0	88,1	81,7	55,0	-0,4	76,4	79,8	71,3	81,3	99,0	69,6

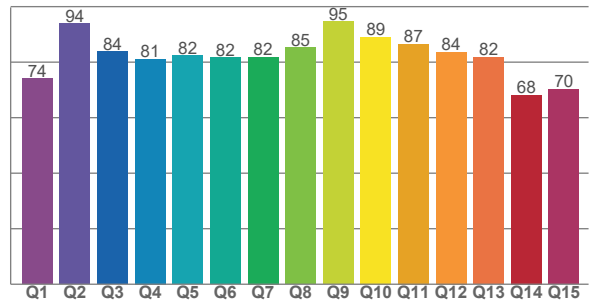
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,4	79,6	76,6	87,6	92,1	92,6	85,5	92,6	88,6	85,9	82,8	85,1	86,8	79,8	81,8	76,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,1	93,8	83,8	81,2	82,3	81,6	81,8	85,3	94,6	89,1	86,6	83,6	81,7	68,2	70,2

CQS: 80,9



COLOR PARAMETERS

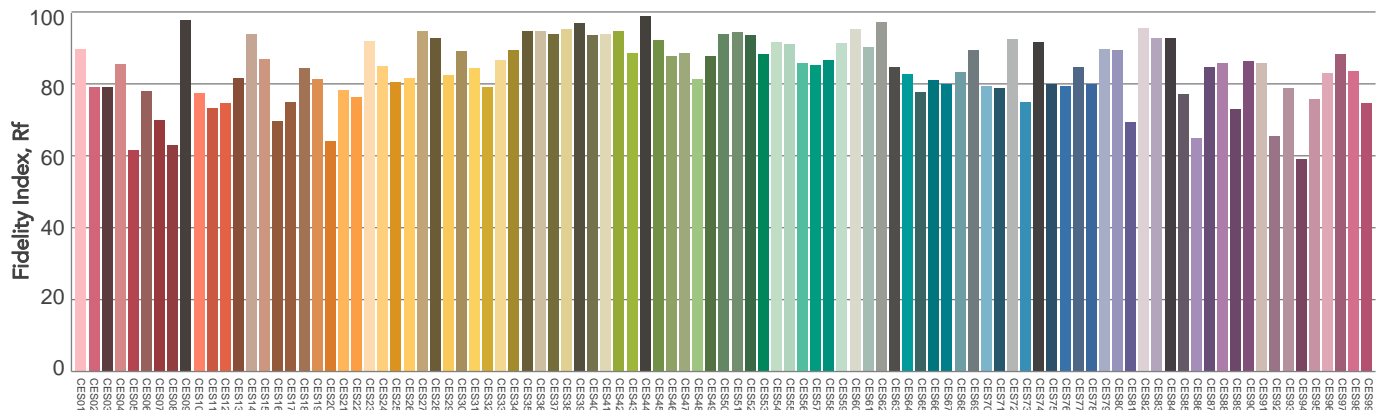
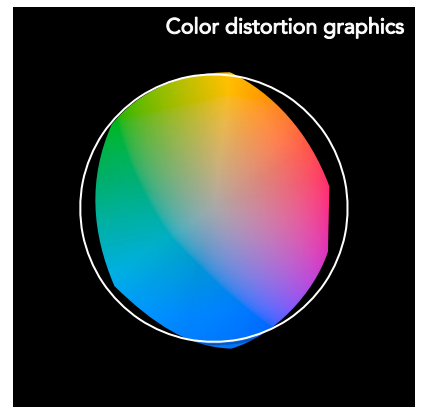
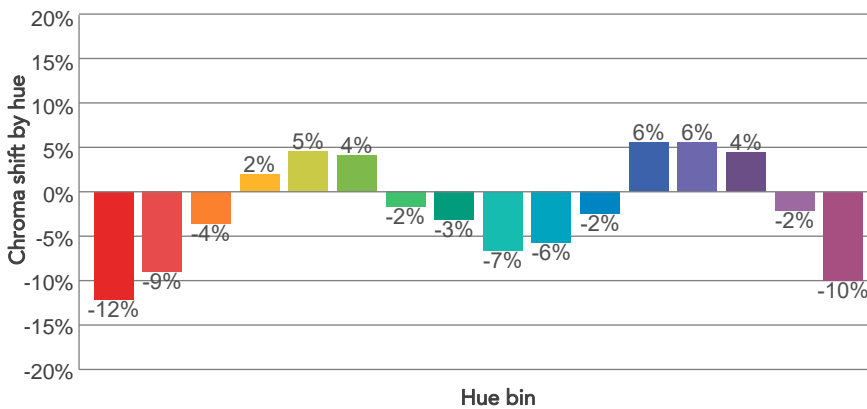
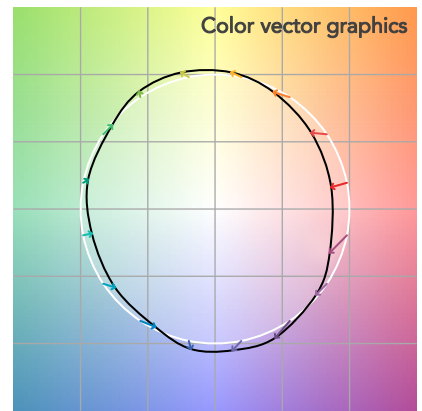
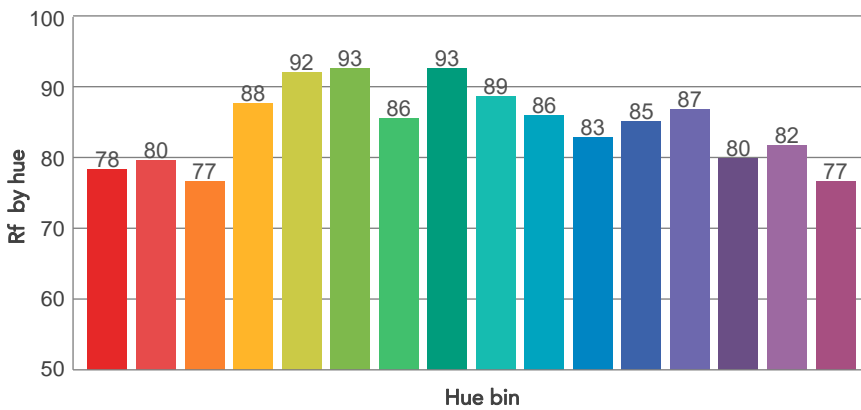
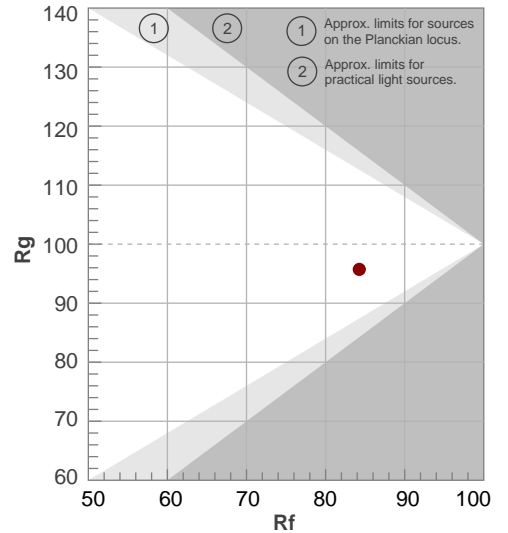
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2715 K	81,1	-0,4	84,3	95,7	80,9	63	0,462	0,416	0,0017

TM30 DETAILS

Rf 84,3
Fidelity index Rf

Rg 95,7
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	92	5%	5%
6	93	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-7%	0%
10	86	-6%	7%
11	83	-2%	12%
12	85	6%	3%
13	87	6%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

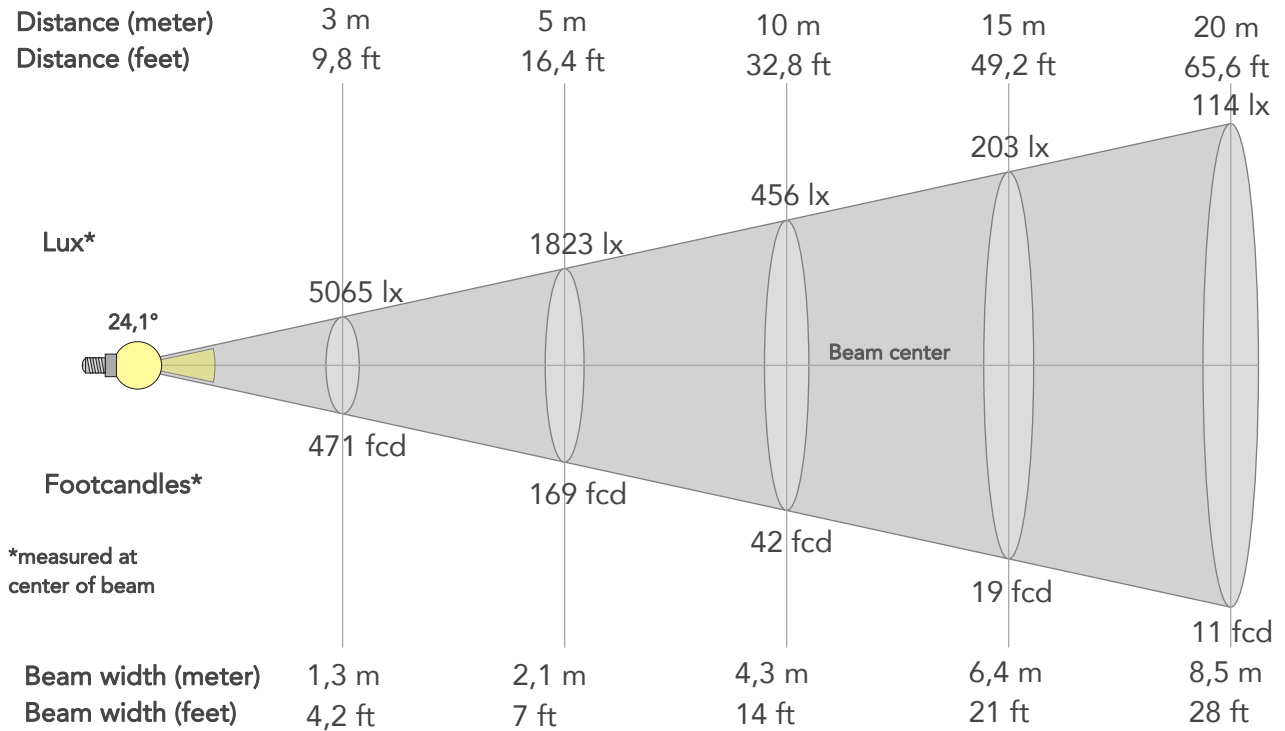


Color Evaluation Sample

BEAM DETAILS



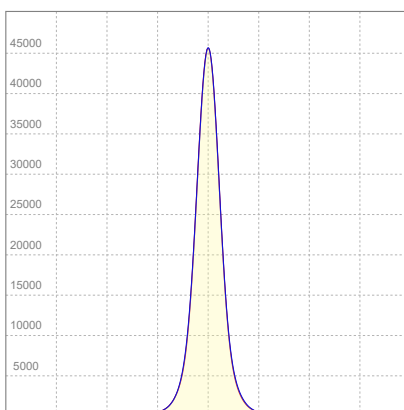
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,1°	48,4°	72°	99,7%	96,9%



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	45583lx	11396lx	5065lx	2849lx	1823lx	810lx	456lx	203lx	114lx	73lx	51lx	28lx	18lx
Footcand.	4235fcd	1059fcd	471fcd	265fcd	169fcd	75fcd	42fcd	19fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,1m	3,2m	4,3m	6,4m	8,5m	10,7m	12,8m	17,1m	21,3m
Beam wid.	1,4ft	2,8ft	4,2ft	5,6ft	7ft	10,5ft	14ft	21ft	28ft	35ft	42ft	55,9ft	69,9ft

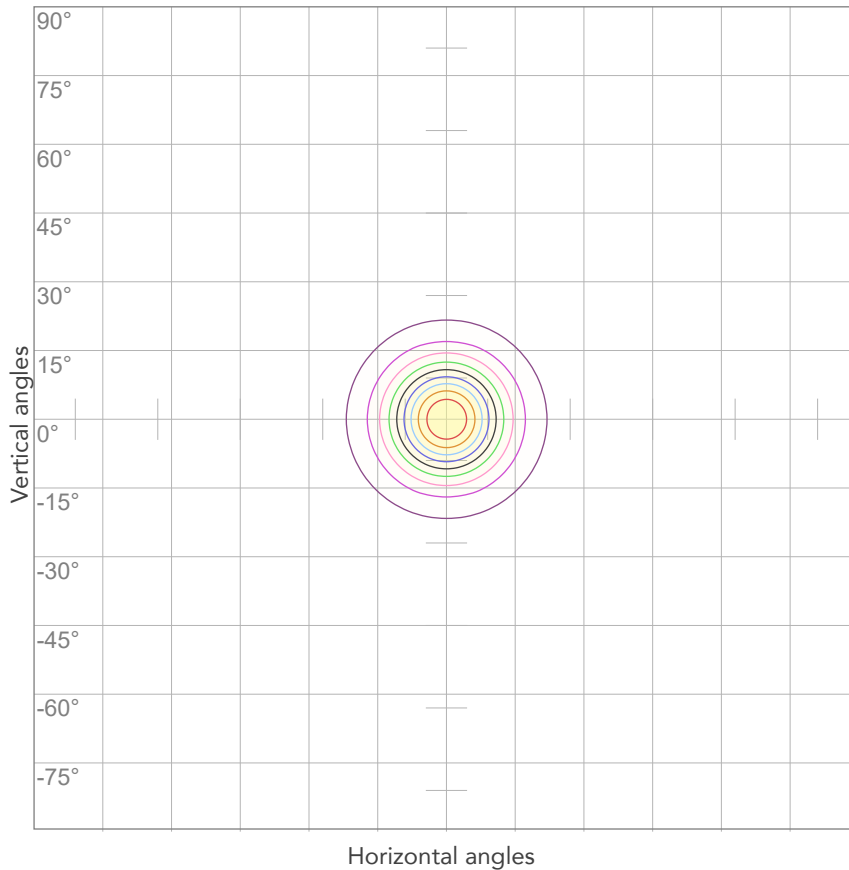
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,09A	219,5W	51lm/W

ISO CANDELA DIAGRAM



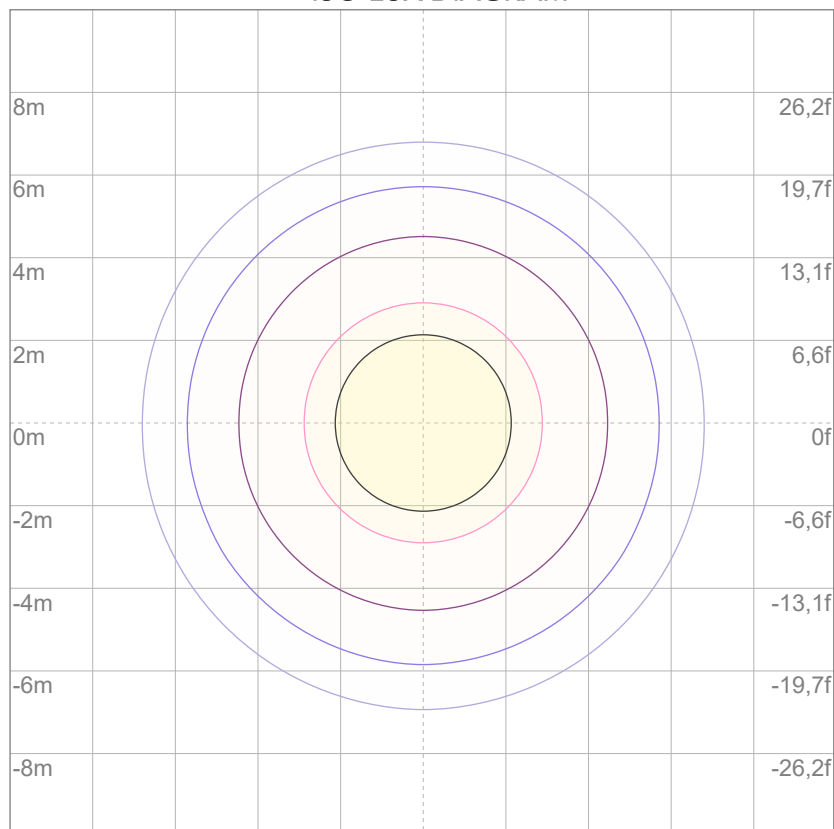
10%	4558 cd
20%	9117 cd
30%	13675 cd
40%	18233 cd
50%	22792 cd
60%	27350 cd
70%	31908 cd
80%	36467 cd

Conditions:

Number of c-planes: 4

Candela at center: 45583 cd

ISO LUX DIAGRAM



3%	13,7 lx
5%	22,8 lx
10%	45,6 lx
30%	137 lx
50%	228 lx

Conditions:

Number of c-planes: 4

Lux at center: 456 lx

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



Total lumen output:

11194 lm

Peak candela output:

28438 cd

Light quality:

CRI: 81,2

Color temperature:

2720 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°Filter

Target:

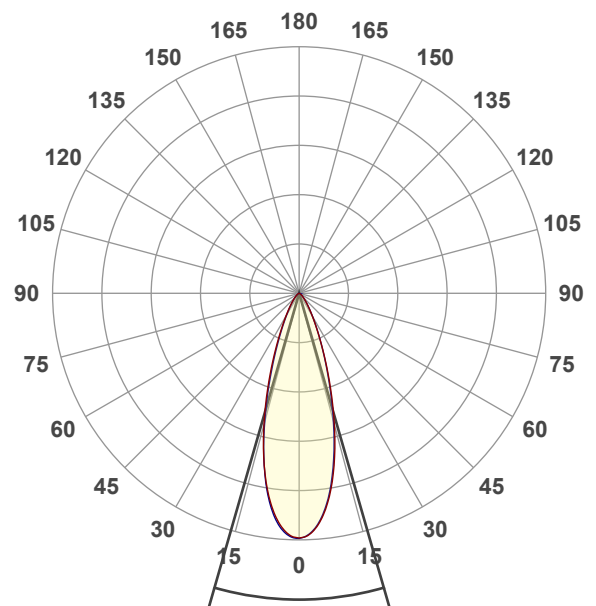
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:50:12

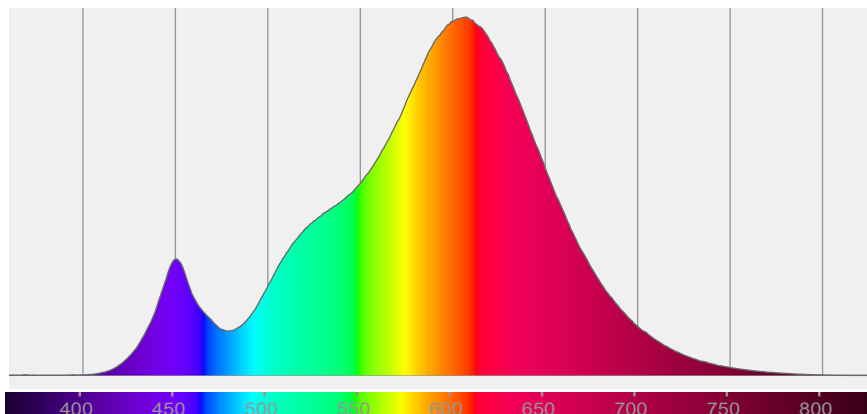


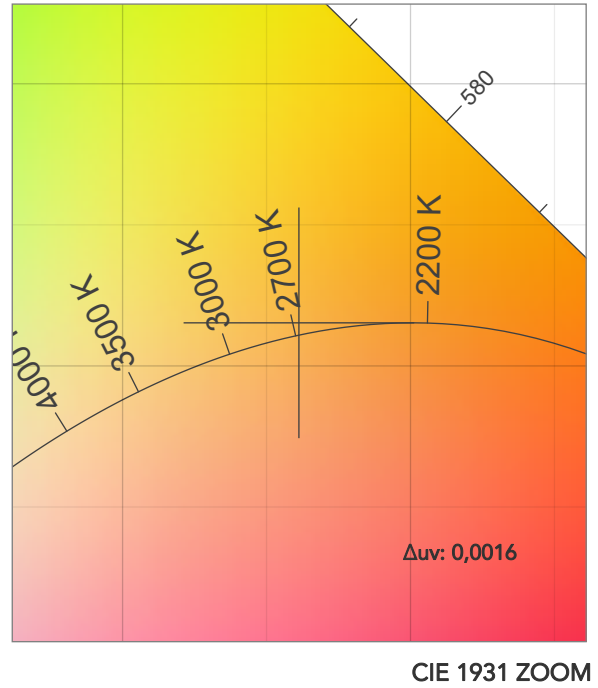
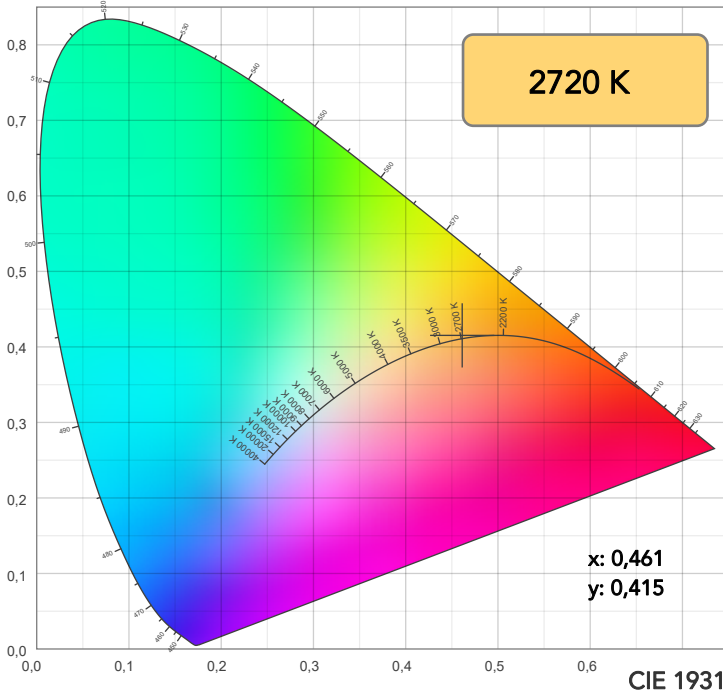
Beam angle 50%: 32,1°

Field angle 10%: 61,2°

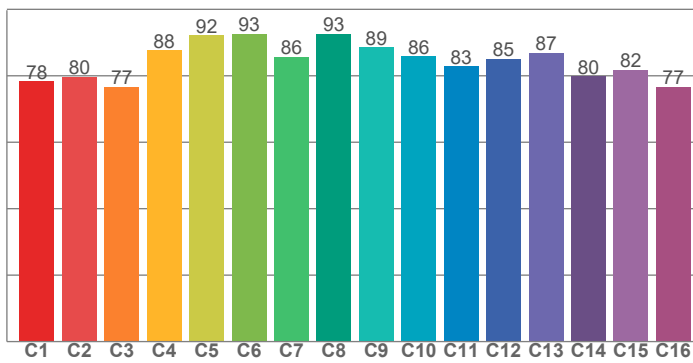
Cut off angle 2.5%: 88,3°

Spectra

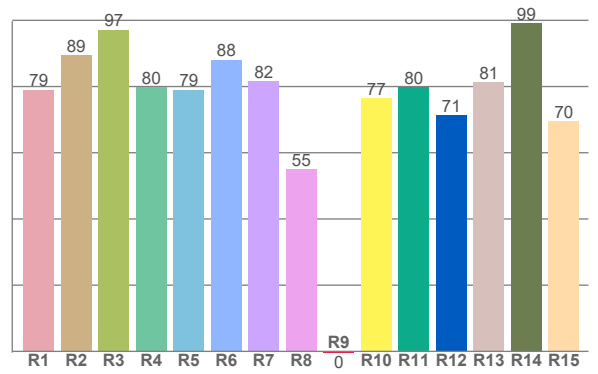




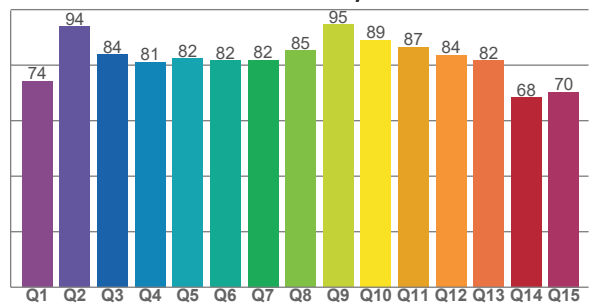
TM30: 84,3



CRI: 81,2 (R1-R8)



CQS: 80,9



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
79,1	89,4	97,2	79,9	79,0	88,1	81,6	55,0	-0,4	76,5	79,7	71,4	81,4	99,0	69,6

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
78,4	79,6	76,6	87,7	92,2	92,6	85,6	92,6	88,6	85,8	82,8	85,1	86,8	79,8	81,8	76,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,2	93,9	83,8	81,1	82,3	81,7	81,8	85,3	94,6	89,1	86,6	83,6	81,7	68,3	70,3

COLOR PARAMETERS

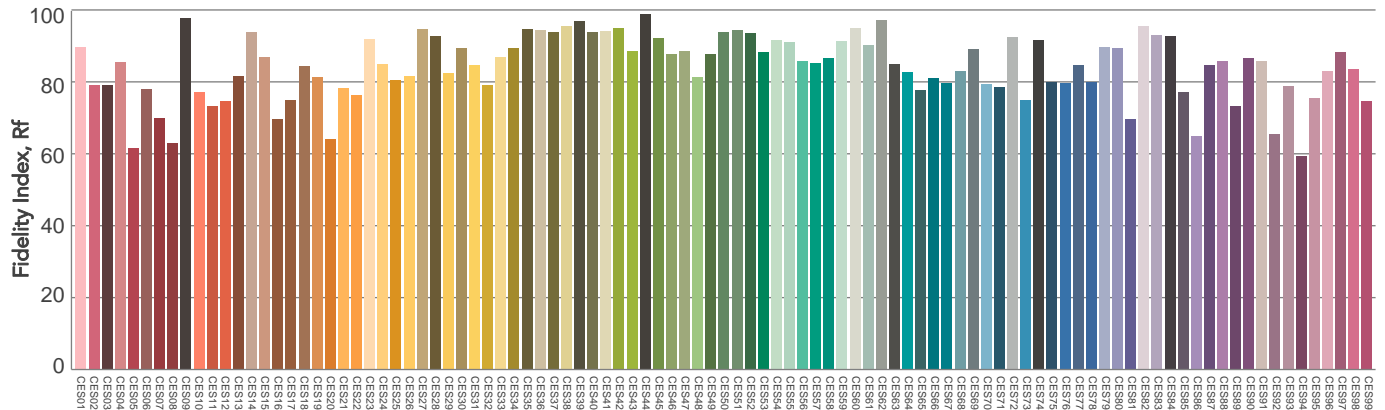
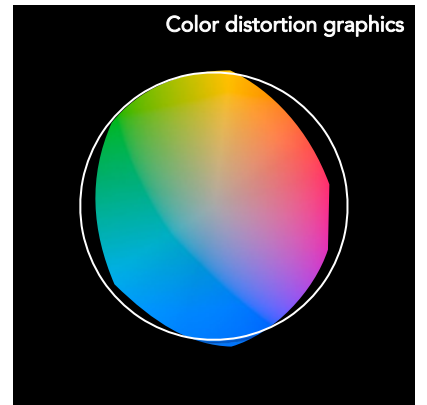
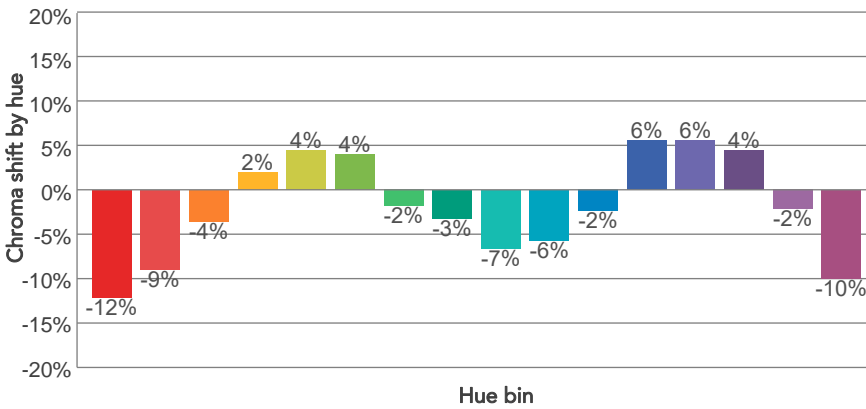
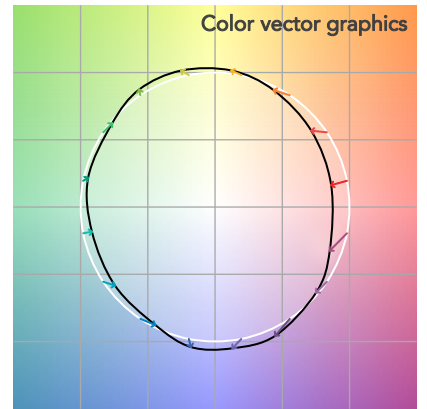
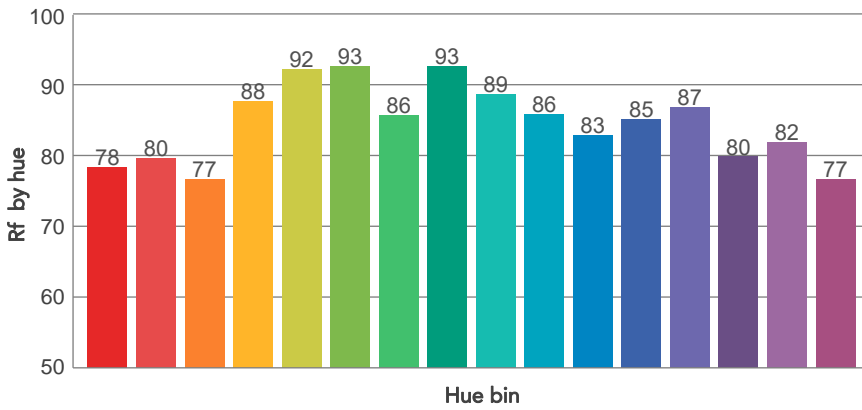
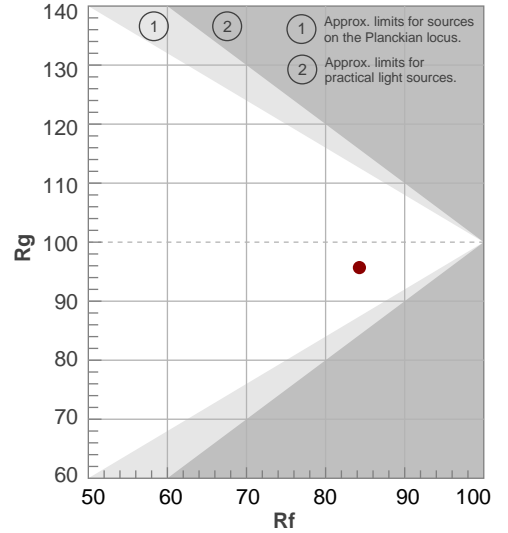
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2720 K	81,2	-0,4	84,3	95,7	80,9	63	0,461	0,415	0,0016

TM30 DETAILS

Rf 84,3
Fidelity index Rf

Rg 95,7
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	92	4%	5%
6	93	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-7%	0%
10	86	-6%	7%
11	83	-2%	12%
12	85	6%	3%
13	87	6%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

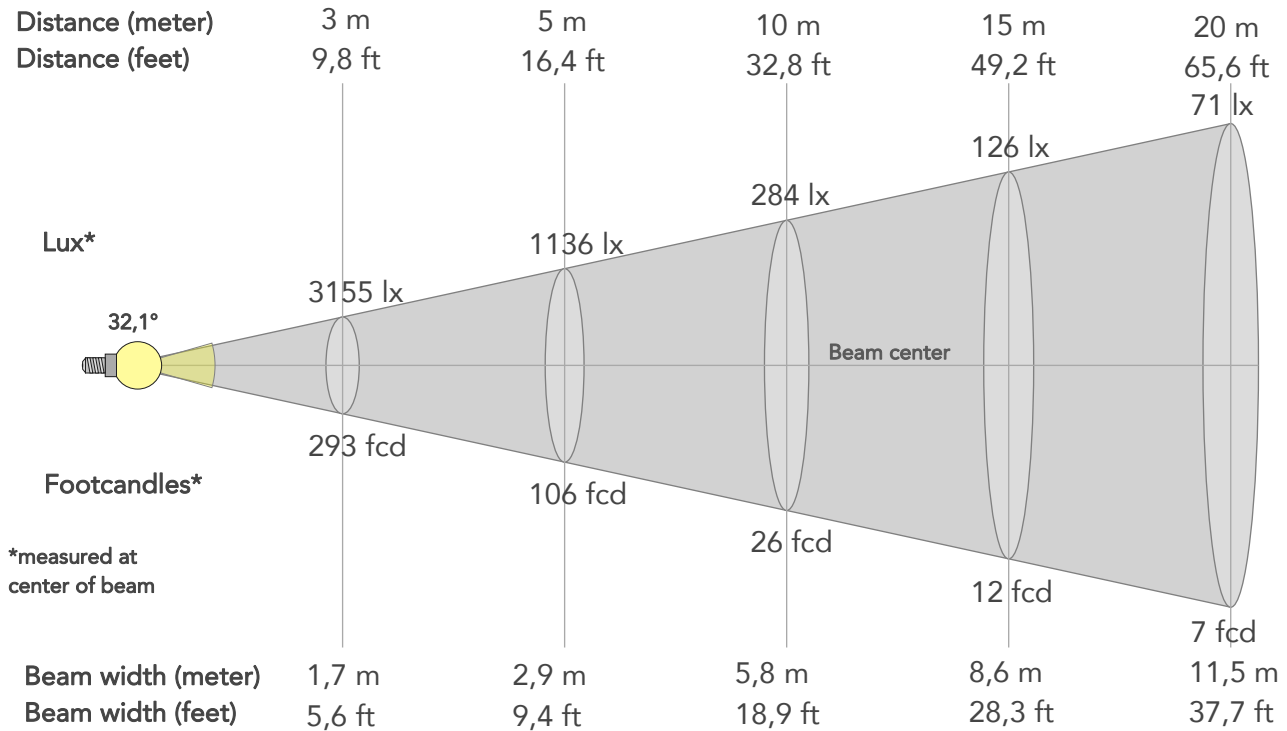


Color Evaluation Sample

BEAM DETAILS



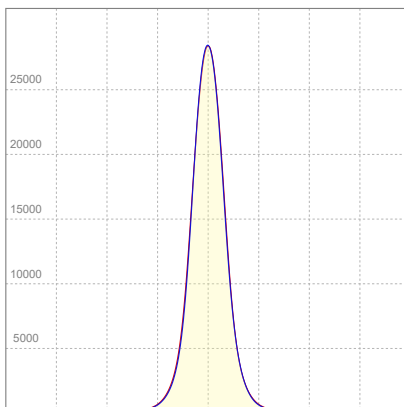
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,1°	61,2°	88,3°	99,1%	94,9%



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	28394lx	7099lx	3155lx	1775lx	1136lx	505lx	284lx	126lx	71lx	45lx	32lx	18lx	11lx
Footcand.	2638fcd	659fcd	293fcd	165fcd	106fcd	47fcd	26fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,2m	1,7m	2,3m	2,9m	4,3m	5,8m	8,6m	11,5m	14,4m	17,3m	23m	28,8m
Beam wid.	1,9ft	3,8ft	5,6ft	7,5ft	9,4ft	14,2ft	18,9ft	28,3ft	37,7ft	47,2ft	56,6ft	75,5ft	94,3ft

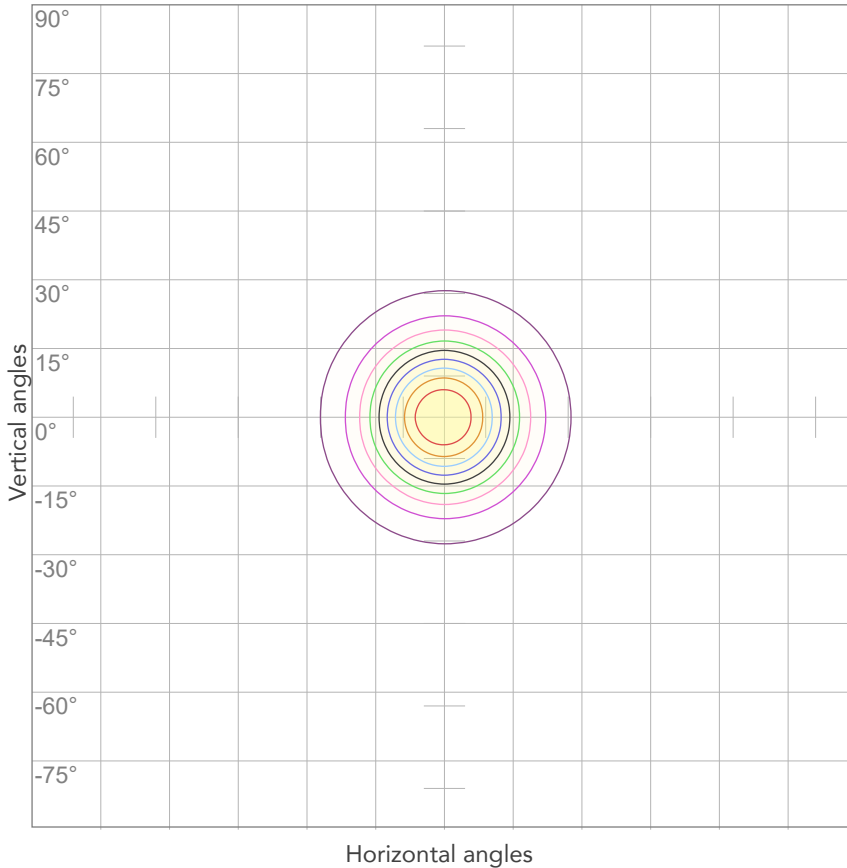
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,08A	218,7W	51lm/W

ISO CANDELA DIAGRAM



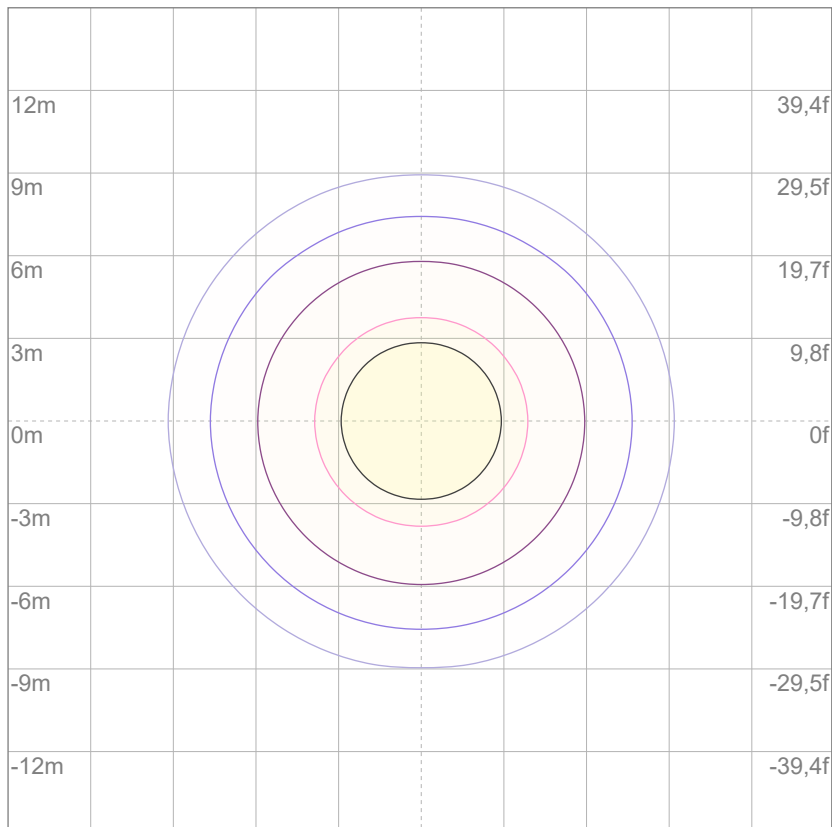
10%	2839 cd
20%	5679 cd
30%	8518 cd
40%	11358 cd
50%	14197 cd
60%	17037 cd
70%	19876 cd
80%	22716 cd

Conditions:

Number of c-planes: 4

Candela at center: 28394 cd

ISO LUX DIAGRAM



3%	8,52 lx
5%	14,2 lx
10%	28,4 lx
30%	85,2 lx
50%	142 lx

Conditions:

Number of c-planes: 4

Lux at center: 284 lx

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



Total lumen output:

11231 lm

Peak candela output:

15013 cd

Light quality:

CRI: 81,2

Color temperature:

2728 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 40°Filter

Target:

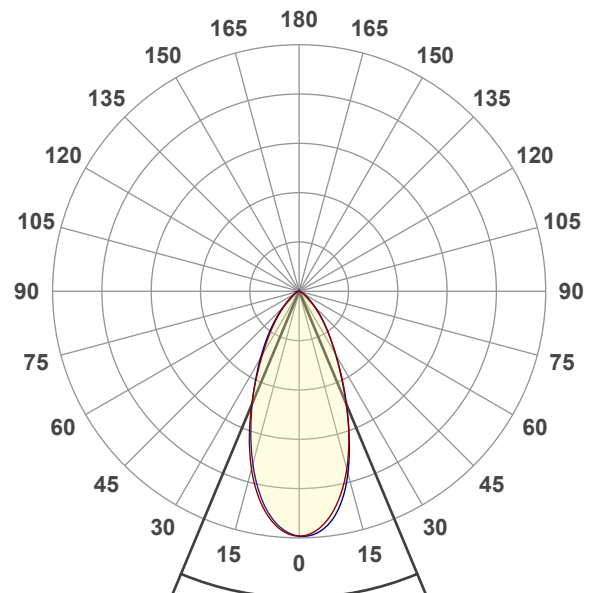
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:01:30

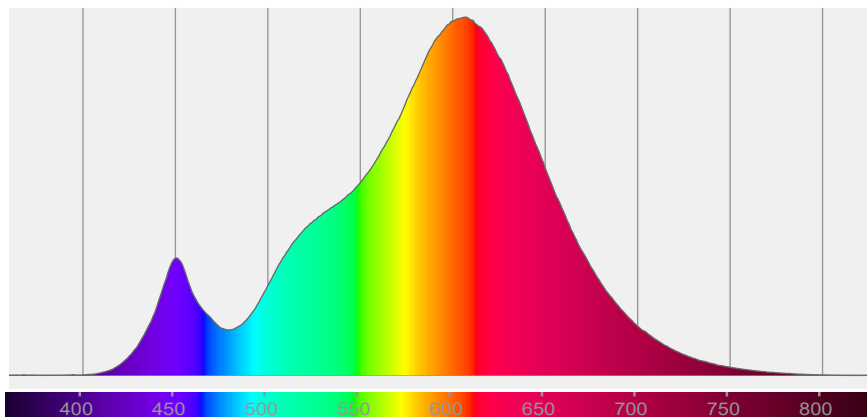


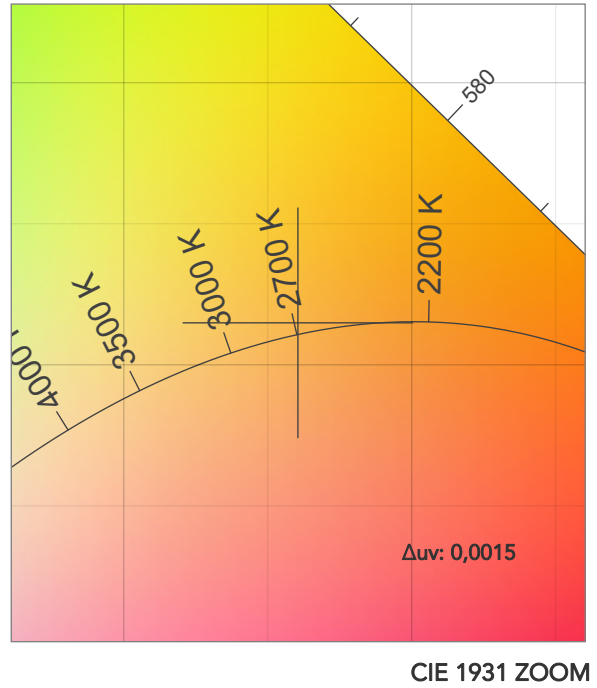
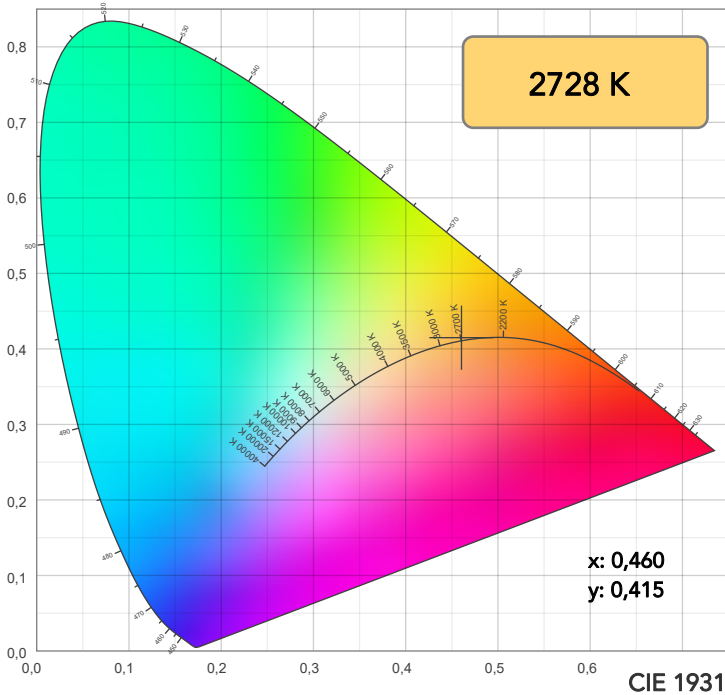
Beam angle 50%: 45,4°

Field angle 10%: 88°

Cut off angle 2.5%: 117,4°

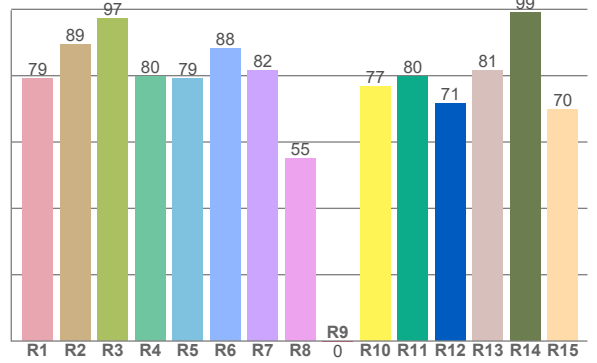
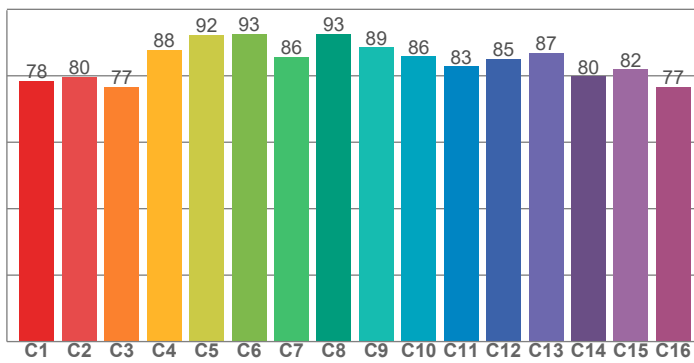
Spectra



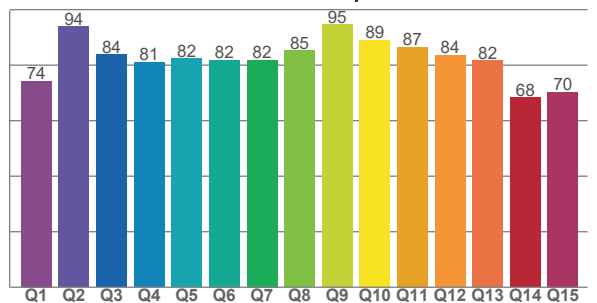


TM30: 84,3

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
79,1	89,5	97,1	79,9	79,1	88,2	81,7	55,1	-0,2	76,7	79,7	71,5	81,4	99,0	69,7

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
78,4	79,7	76,7	87,8	92,3	92,7	85,8	92,6	88,6	85,8	82,8	85,1	86,9	79,8	81,9	76,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,3	93,9	83,8	81,0	82,4	81,8	81,9	85,3	94,6	89,1	86,6	83,6	81,7	68,4	70,4

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
2728 K	81,2	-0,2	84,3	95,7	81,0	64	0,460	0,415	0,0015

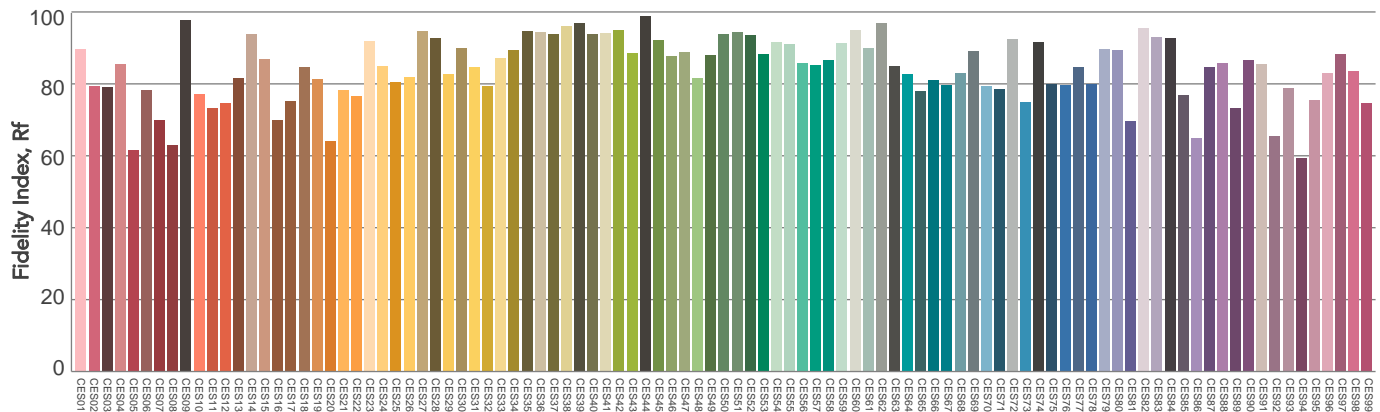
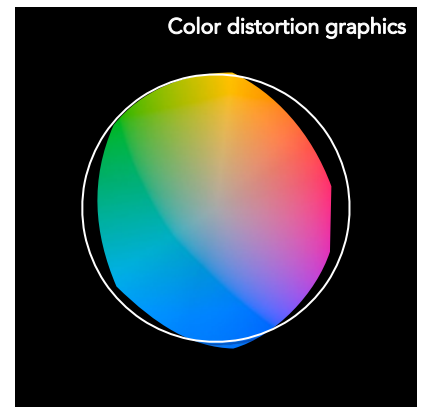
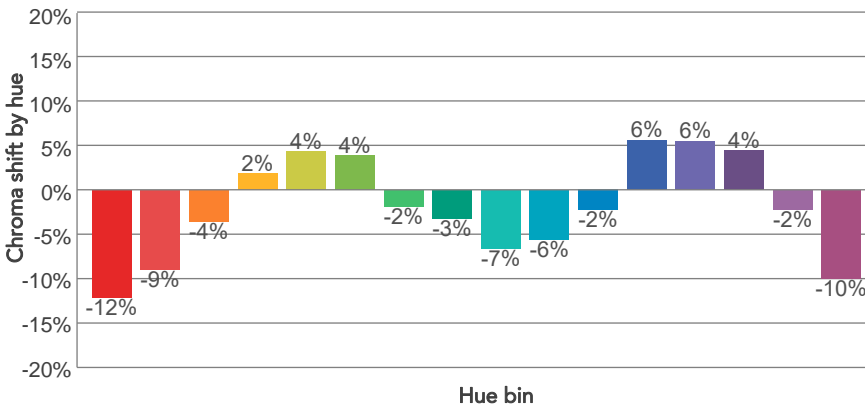
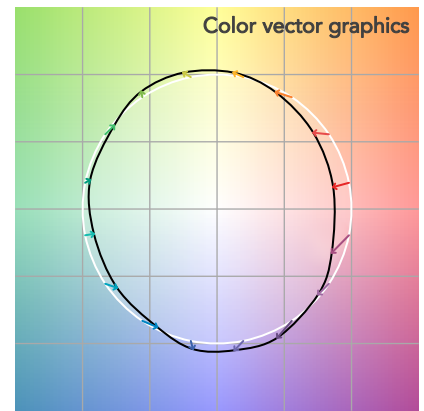
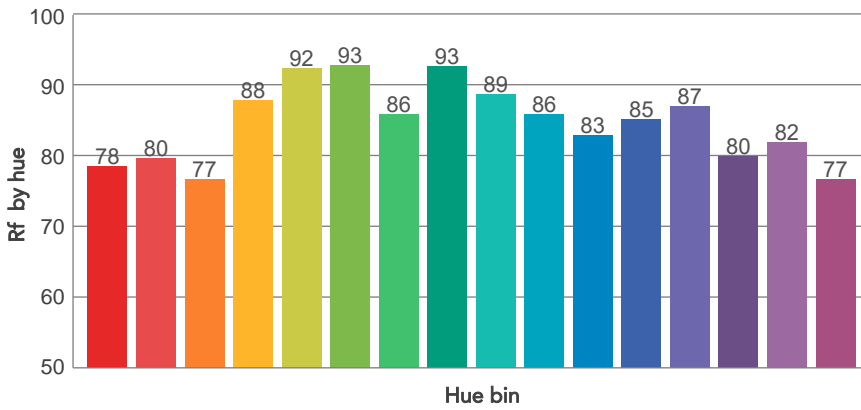
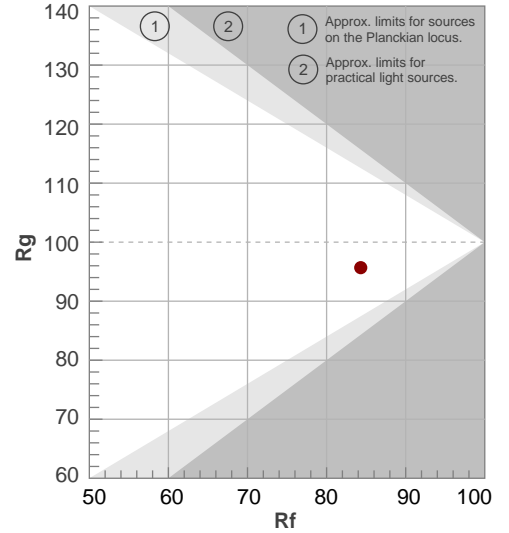
TM30 DETAILS



Rf 84,3
Fidelity index Rf

Rg 95,7
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	92	4%	5%
6	93	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-7%	0%
10	86	-6%	7%
11	83	-2%	12%
12	85	6%	3%
13	87	6%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

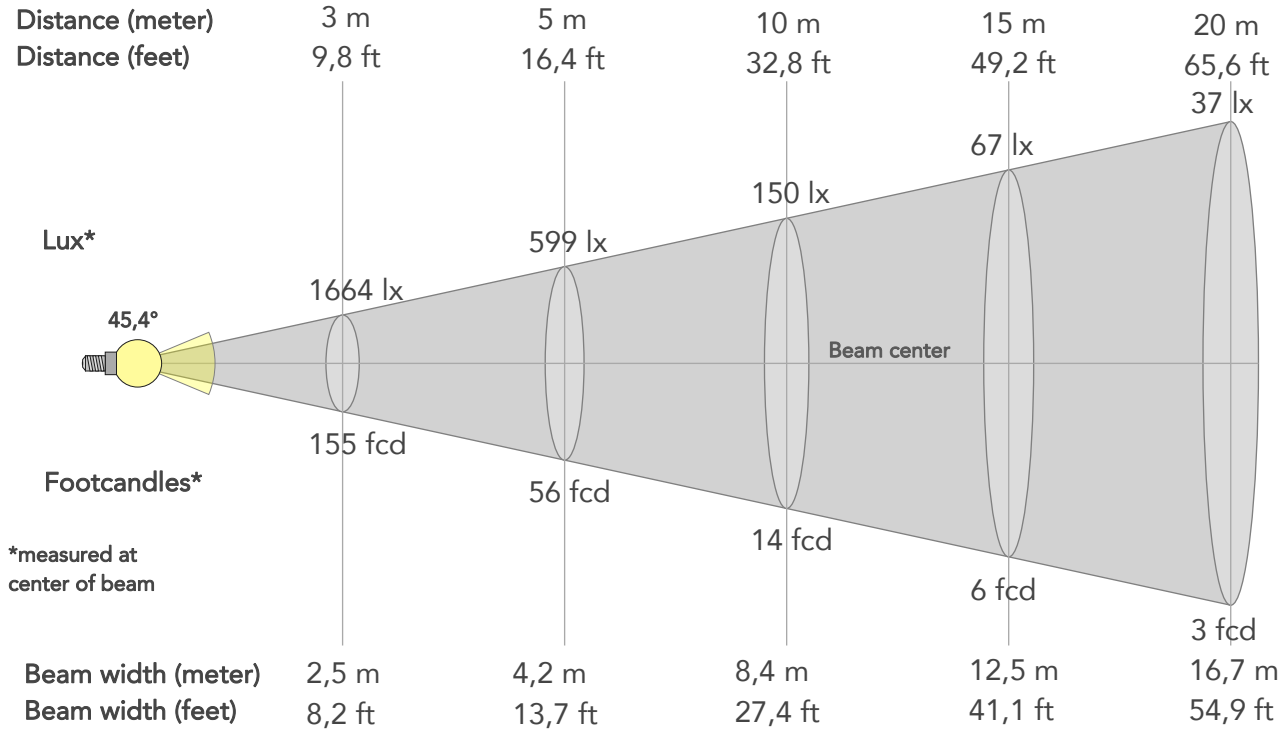


Color Evaluation Sample

BEAM DETAILS



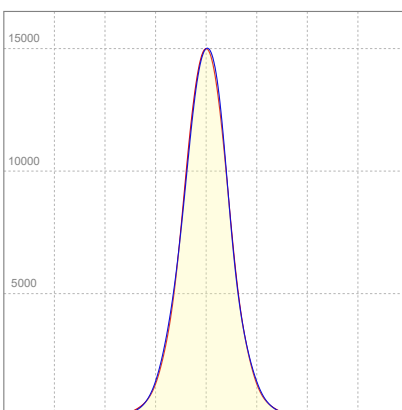
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,4°	88°	117,4°	97,7%	89,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	14980lx	3745lx	1664lx	936lx	599lx	266lx	150lx	67lx	37lx	24lx	17lx	9lx	6lx
Footcand.	1392fcd	348fcd	155fcd	87fcd	56fcd	25fcd	14fcd	6fcd	3fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,3m	8,4m	12,5m	16,7m	20,9m	25,1m	33,4m	41,8m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,7ft	20,6ft	27,4ft	41,1ft	54,9ft	68,6ft	82,3ft	109,7ft	137,1ft

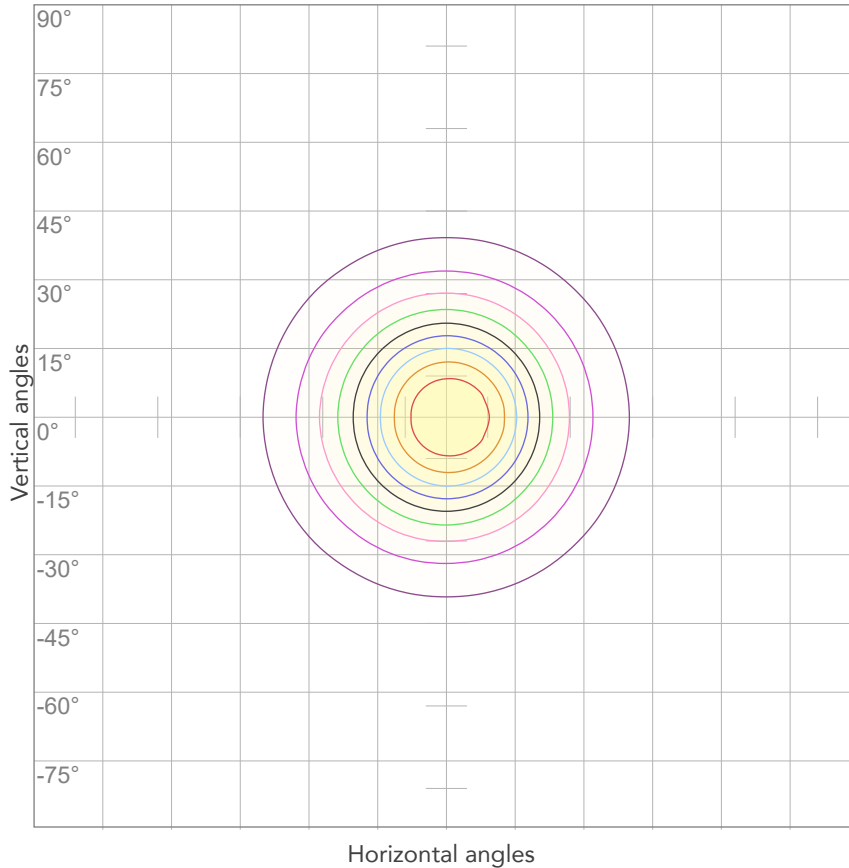
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,08A	218,1W	51lm/W

ISO CANDELA DIAGRAM



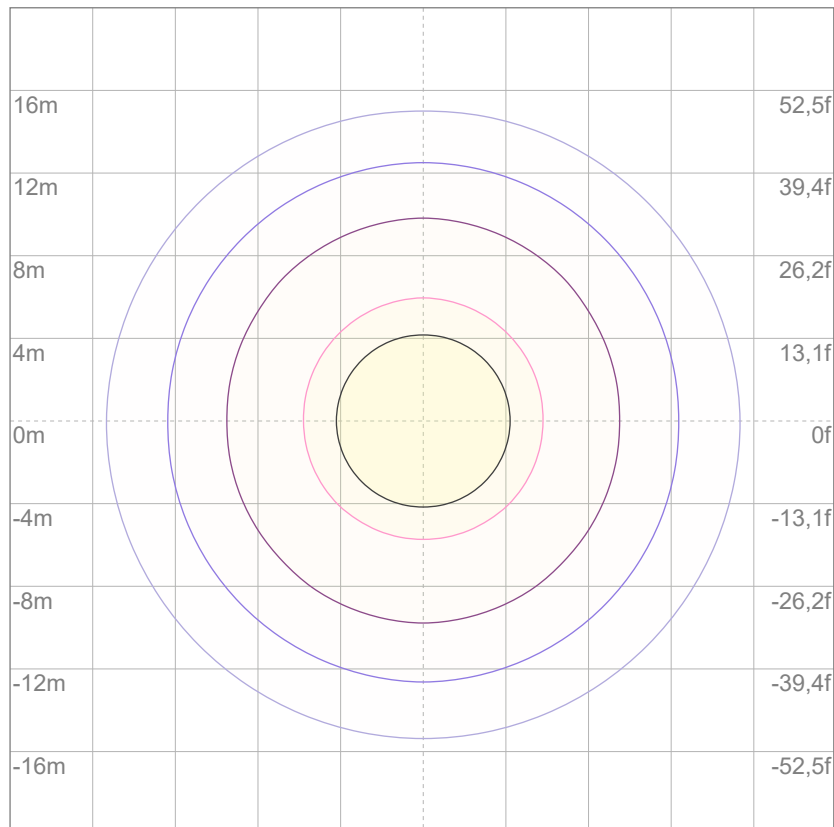
10%	1498 cd
20%	2996 cd
30%	4494 cd
40%	5992 cd
50%	7490 cd
60%	8988 cd
70%	10486 cd
80%	11984 cd

Conditions:

Number of c-planes: 4

Candela at center: 14980 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	4,49 lx
5%	7,49 lx
10%	15,0 lx
30%	44,9 lx
50%	74,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 150 lx

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



Total lumen output:

11055 lm

Peak candela output:

10378 cd

Light quality:

CRI: 81,2

Color temperature:

2730 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 60°Filter

Target:

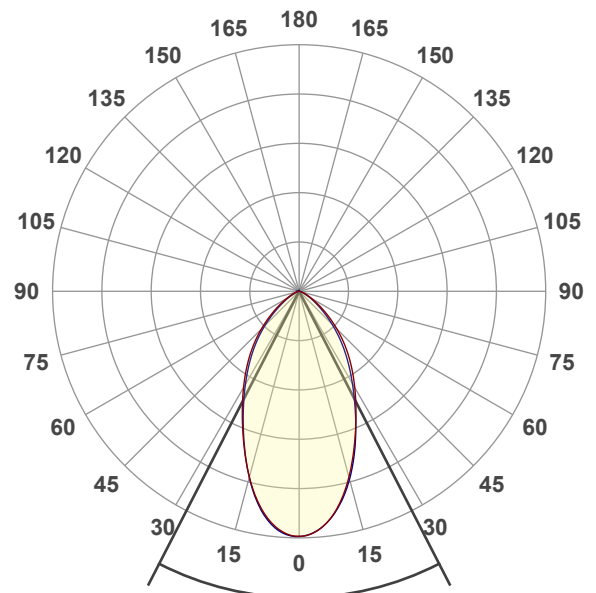
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:12:19

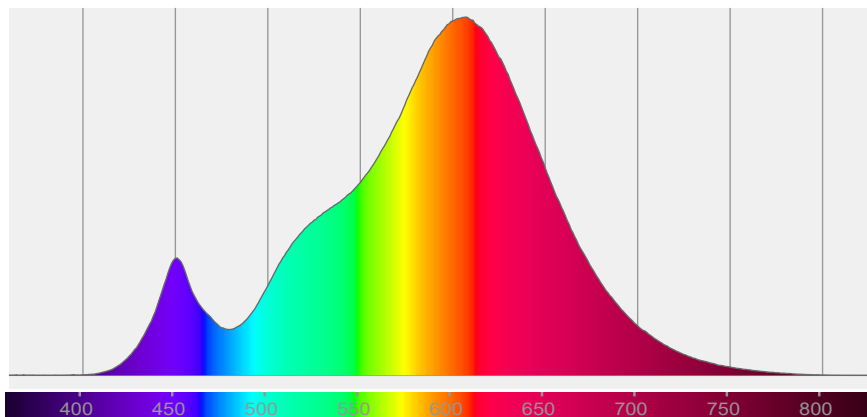


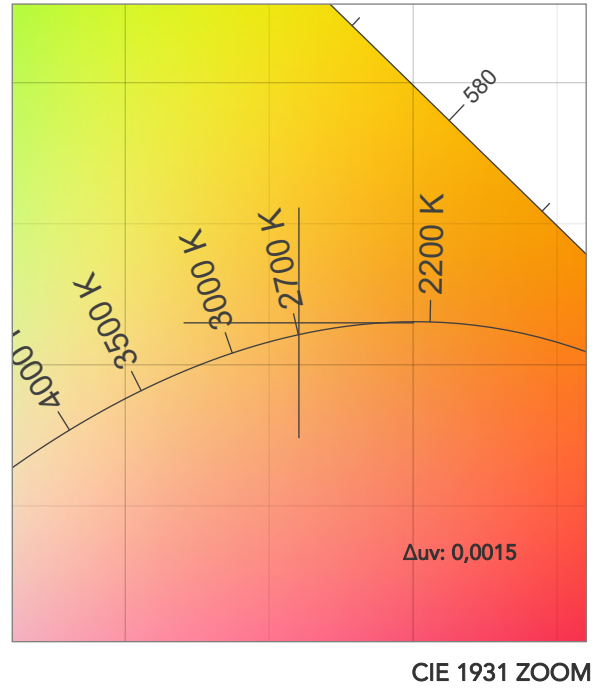
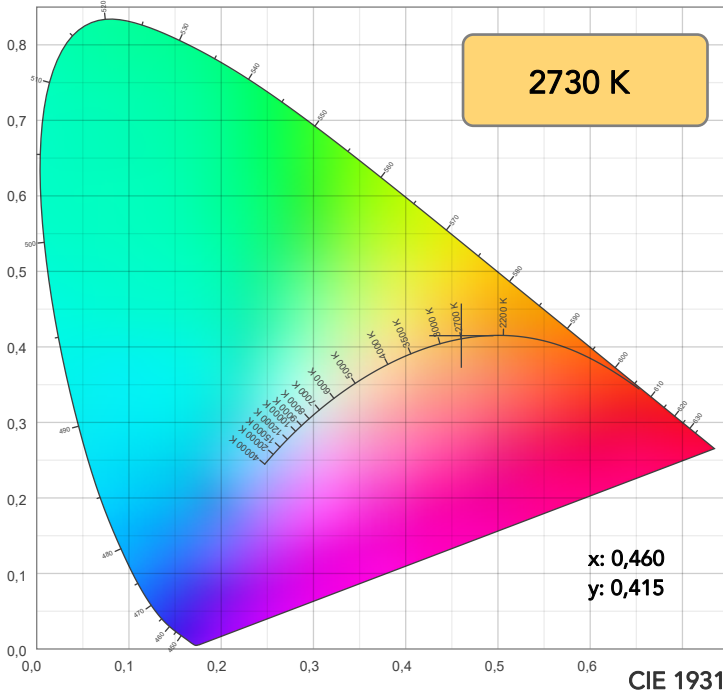
Beam angle 50%: 54,4°

Field angle 10%: 107,5°

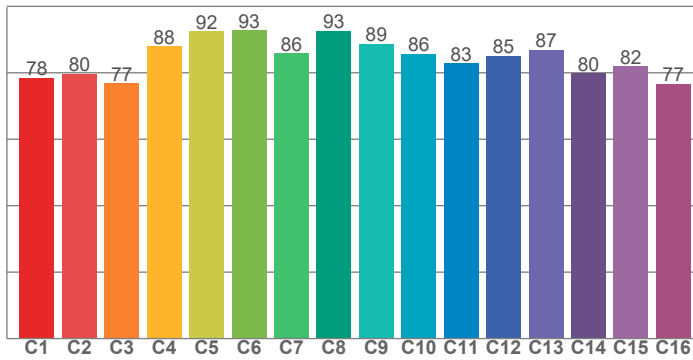
Cut off angle 2.5%: 133,7°

Spectra

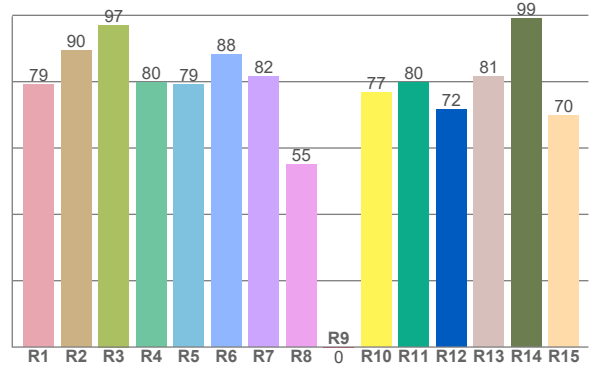




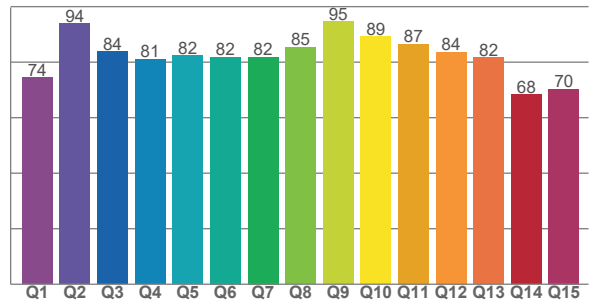
TM30: 84,3



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
79,1	89,5	97,1	79,9	79,1	88,2	81,7	55,1	-0,2	76,7	79,7	71,5	81,5	99,0	69,7

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
78,4	79,7	76,8	87,9	92,4	92,8	85,9	92,6	88,6	85,7	82,8	85,2	86,9	79,8	81,9	76,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,4	93,9	83,8	81,0	82,4	81,8	81,9	85,3	94,6	89,2	86,6	83,6	81,7	68,4	70,4

COLOR PARAMETERS

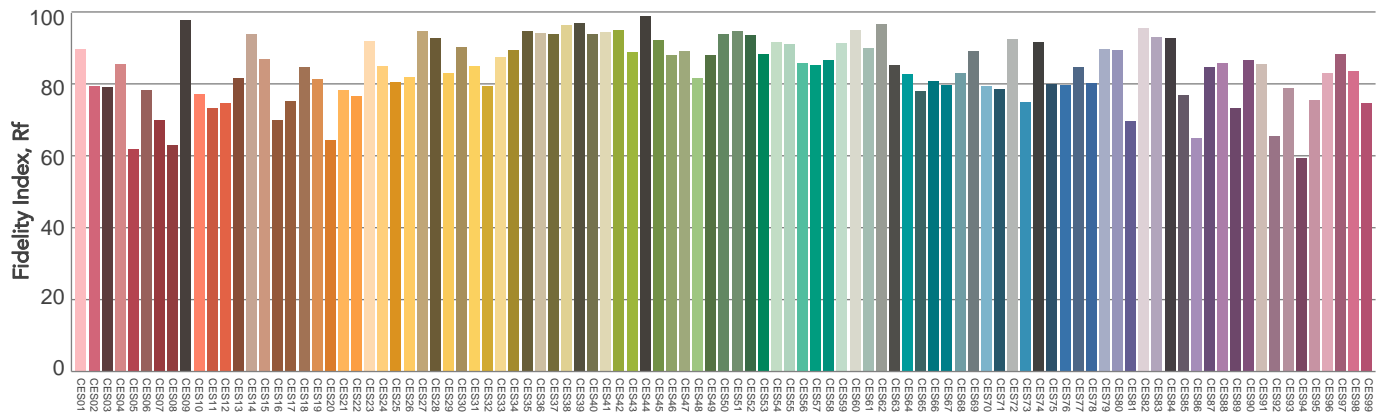
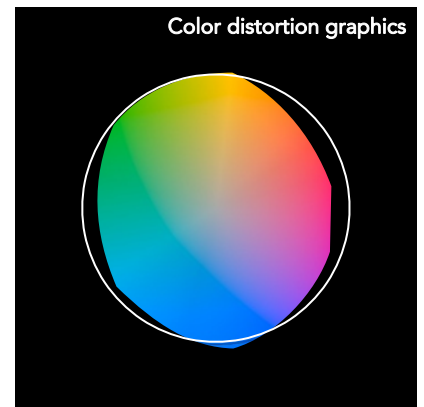
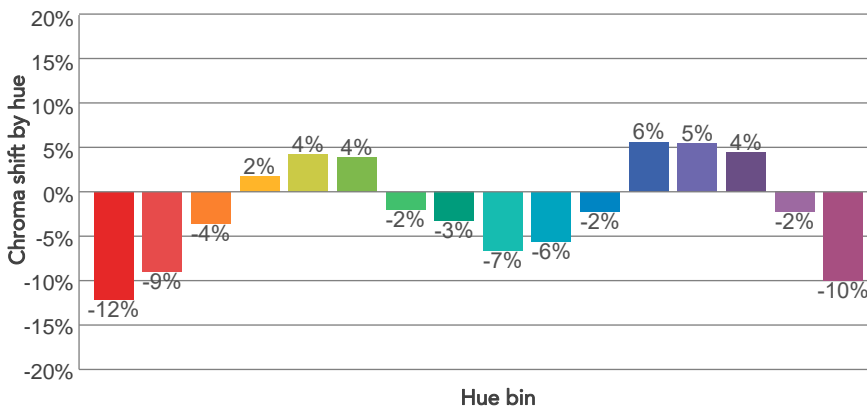
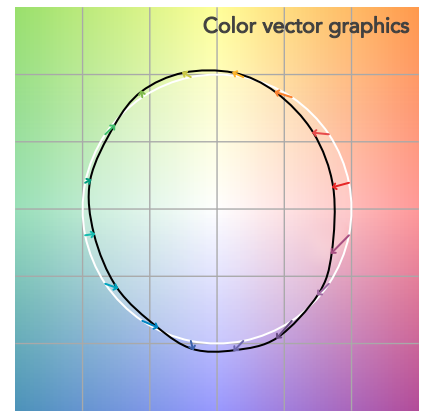
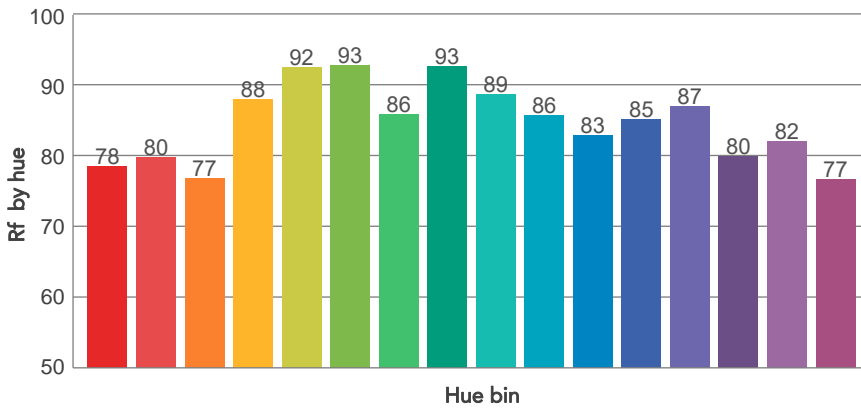
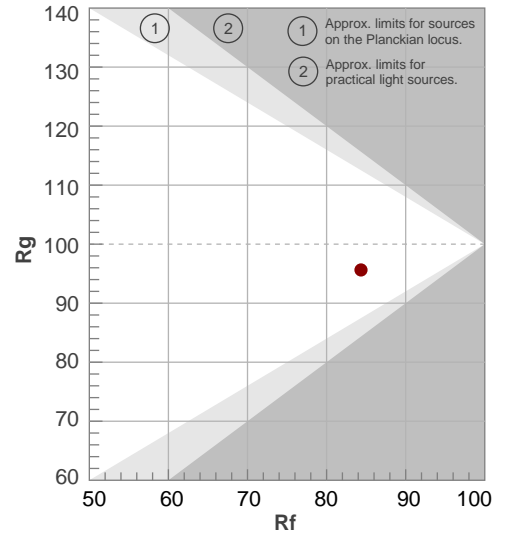
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2730 K	81,2	-0,2	84,3	95,6	81,0	64	0,460	0,415	0,0015

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	92	4%	5%
6	93	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-7%	0%
10	86	-6%	7%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%

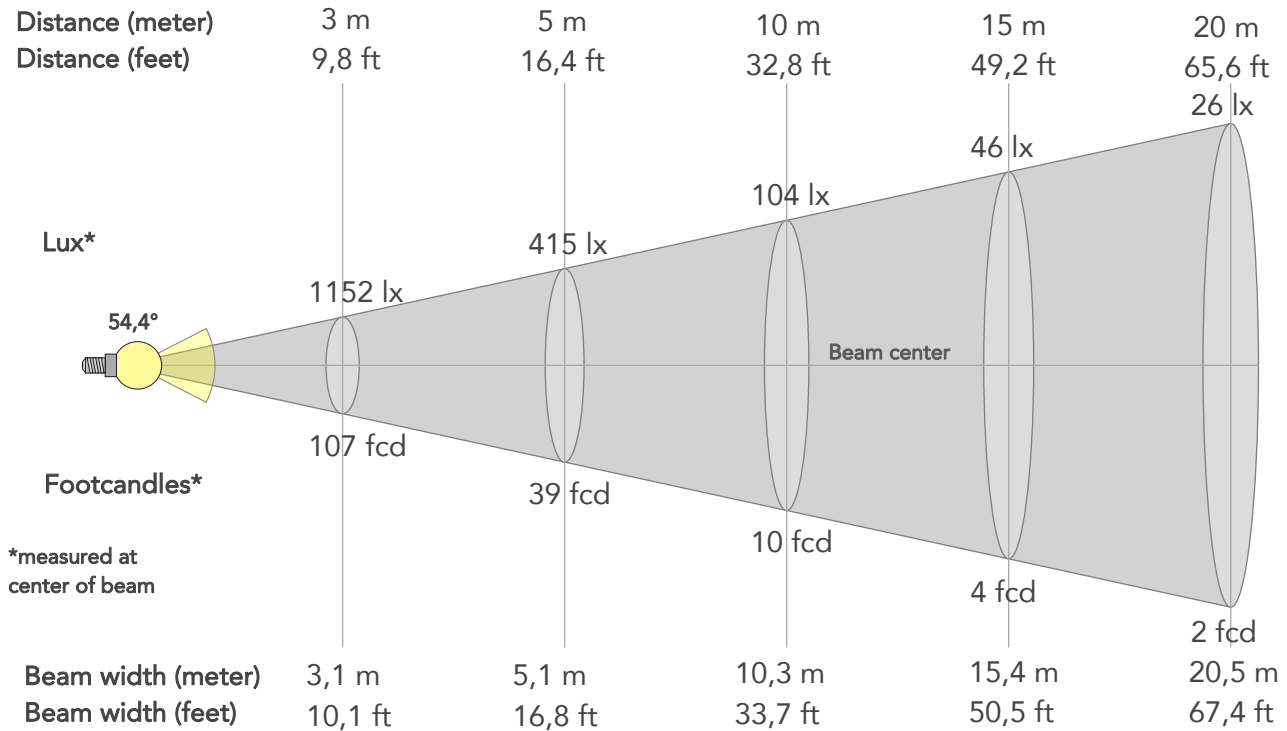


Color Evaluation Sample

BEAM DETAILS



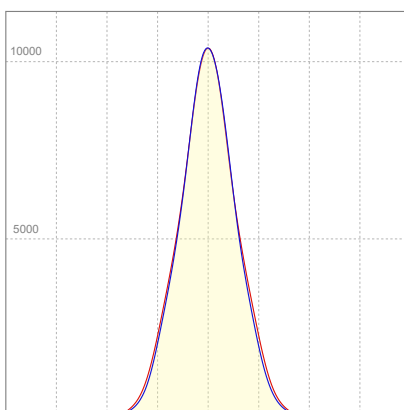
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,4°	107,5°	133,7°	96,2%	82,0%



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	10369lx	2592lx	1152lx	648lx	415lx	184lx	104lx	46lx	26lx	17lx	12lx	6lx	4lx
Footcand.	963fcd	241fcd	107fcd	60fcd	39fcd	17fcd	10fcd	4fcd	2fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	1m	2,1m	3,1m	4,1m	5,1m	7,7m	10,3m	15,4m	20,5m	25,7m	30,8m	41,1m	51,4m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,8ft	25,3ft	33,7ft	50,5ft	67,4ft	84,2ft	101,1ft	134,8ft	168,5ft

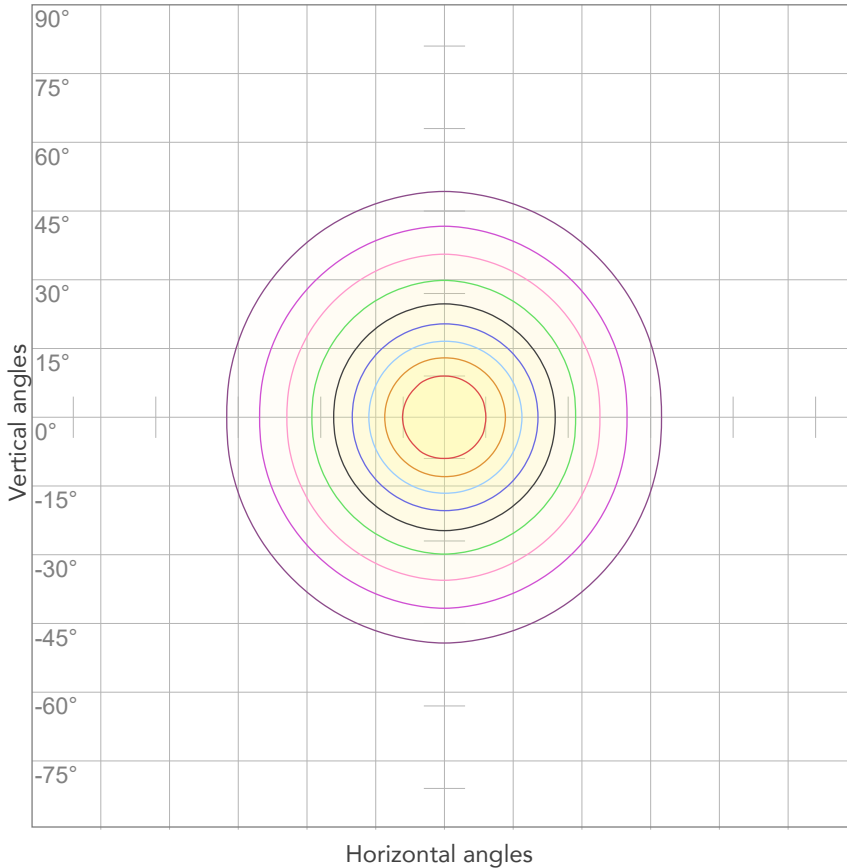
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,08A	217,8W	51lm/W

ISO CANDELA DIAGRAM



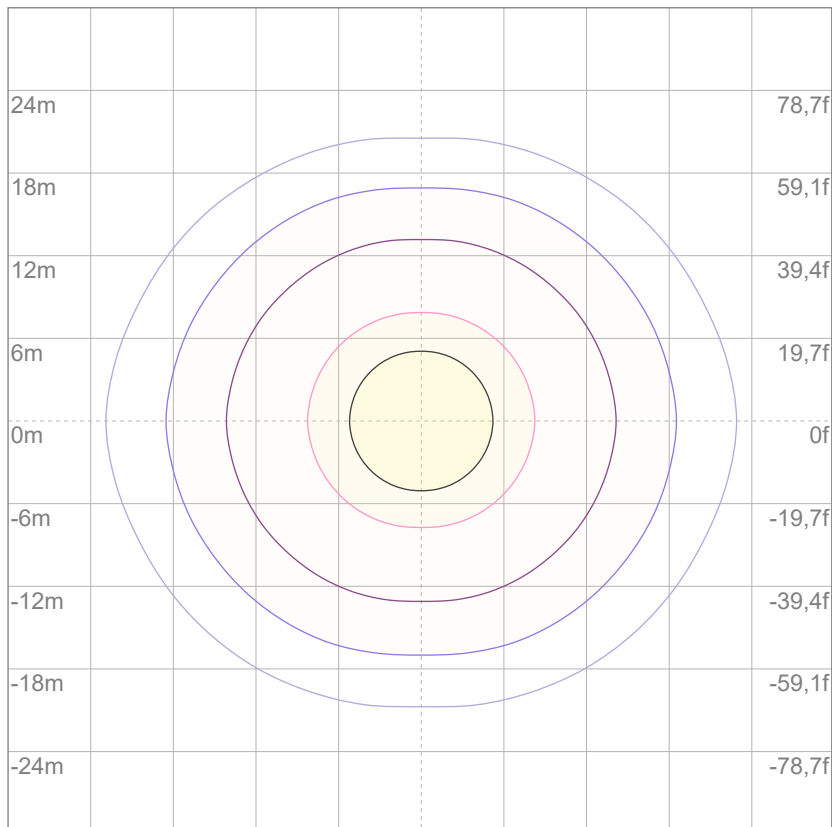
10%	1037 cd
20%	2074 cd
30%	3111 cd
40%	4147 cd
50%	5184 cd
60%	6221 cd
70%	7258 cd
80%	8295 cd

Conditions:

Number of c-planes: 4

Candela at center: 10369 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 4

Lux at center: 104 lx

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



Total lumen output:

10715 lm

Peak candela output:

6753 cd

Light quality:

CRI: 81,3

Color temperature:

2737 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 80°Filter

Target:

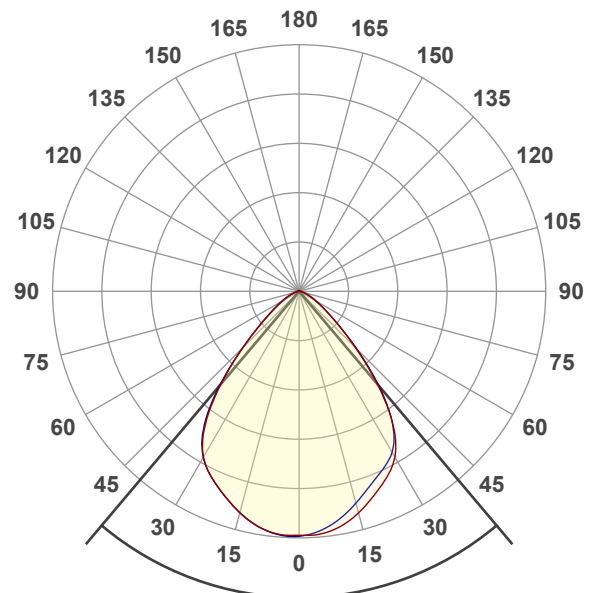
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:23:15

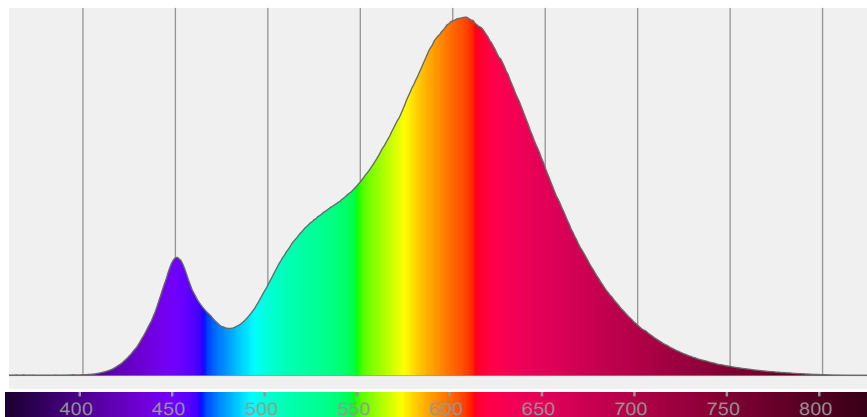


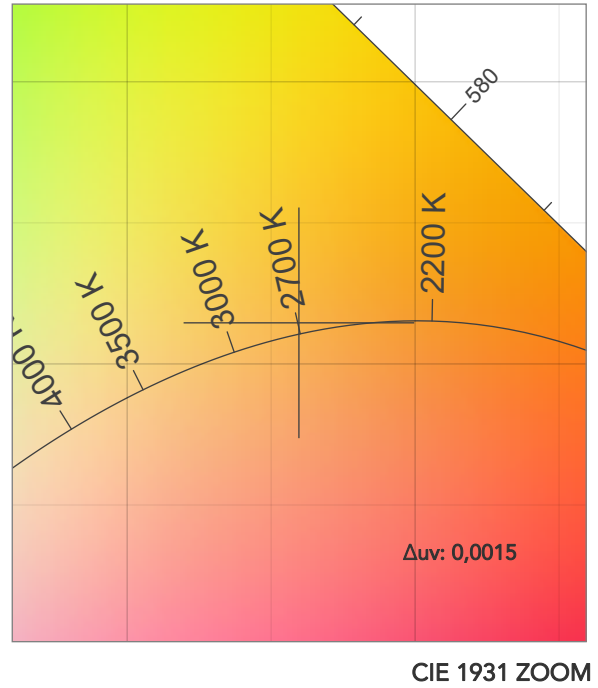
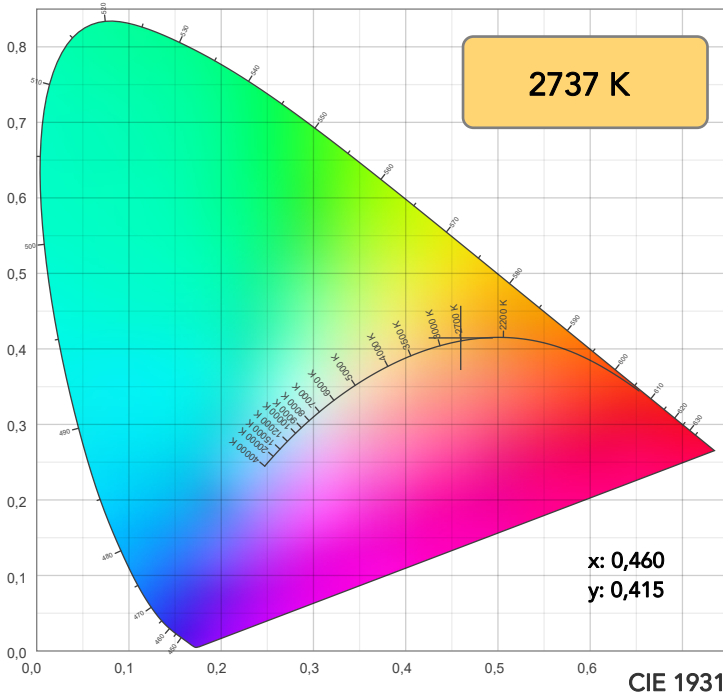
Beam angle 50%: 80,3°

Field angle 10%: 114,8°

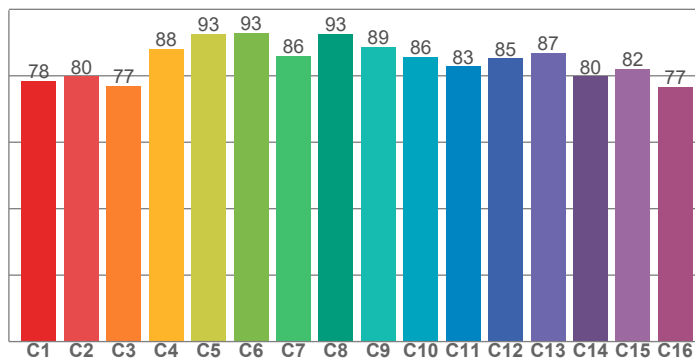
Cut off angle 2.5%: 143,1°

Spectra

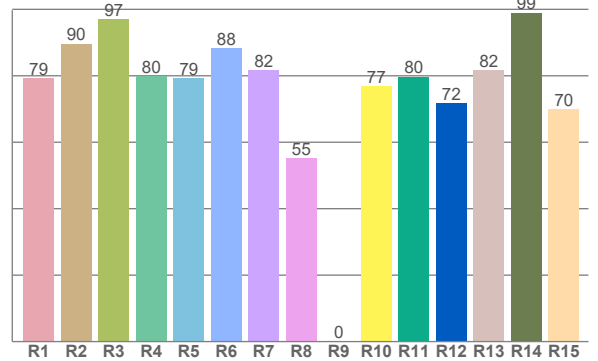




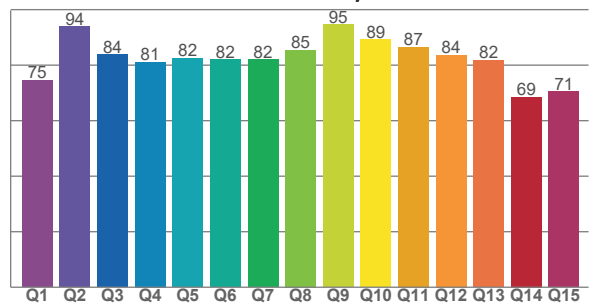
TM30: 84,4



CRI: 81,3 (R1-R8)



CQS: 81,1



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
79,3	89,6	97,1	79,9	79,2	88,3	81,7	55,2	0,2	76,9	79,7	71,7	81,6	99,0	69,9

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
78,5	79,8	76,9	88,0	92,5	92,9	86,0	92,7	88,7	85,7	82,9	85,2	86,9	79,9	82,1	76,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,5	93,9	83,8	81,1	82,4	82,0	82,0	85,4	94,7	89,2	86,6	83,6	81,8	68,5	70,6

COLOR PARAMETERS

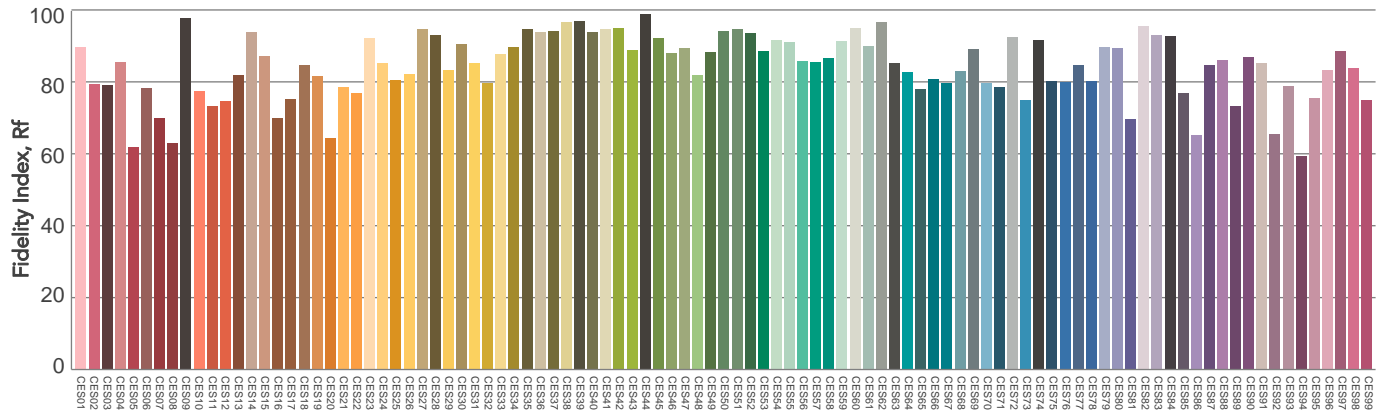
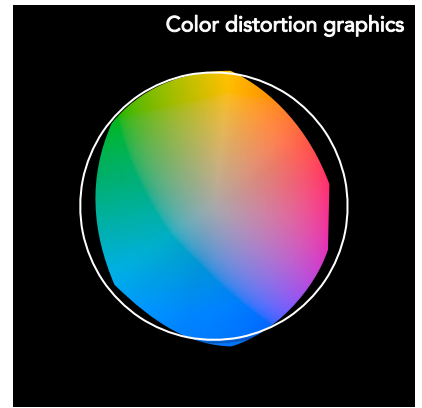
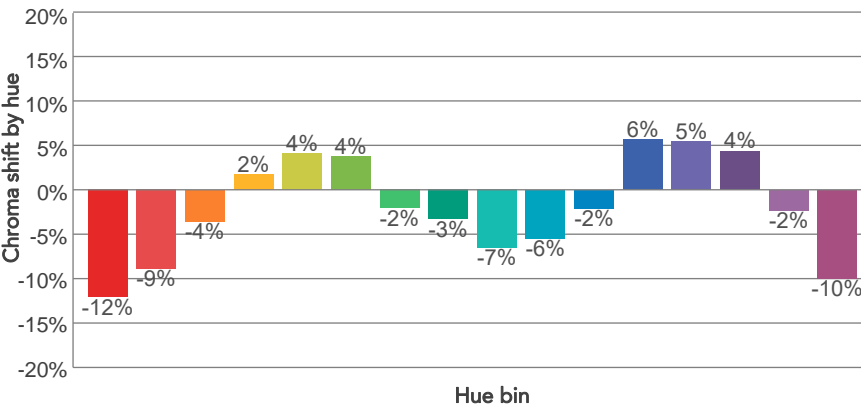
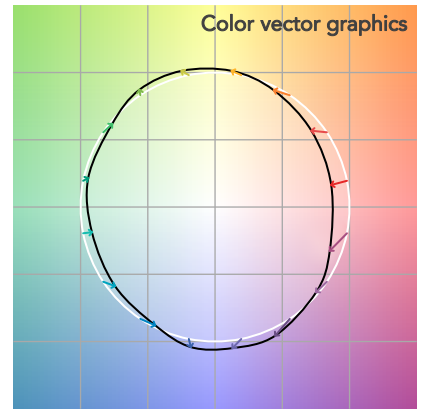
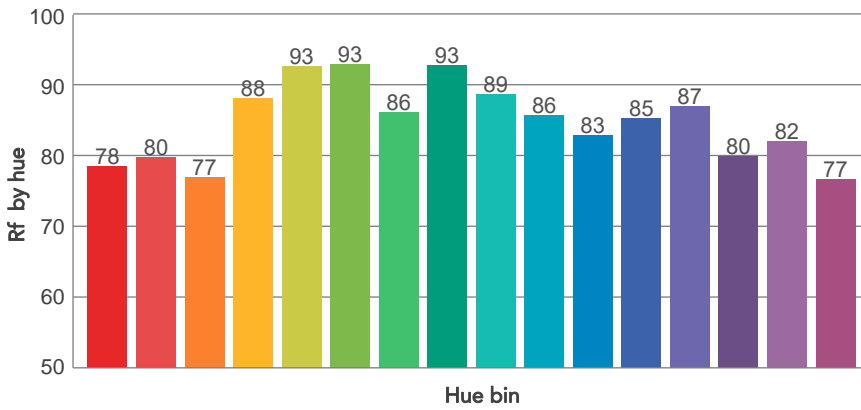
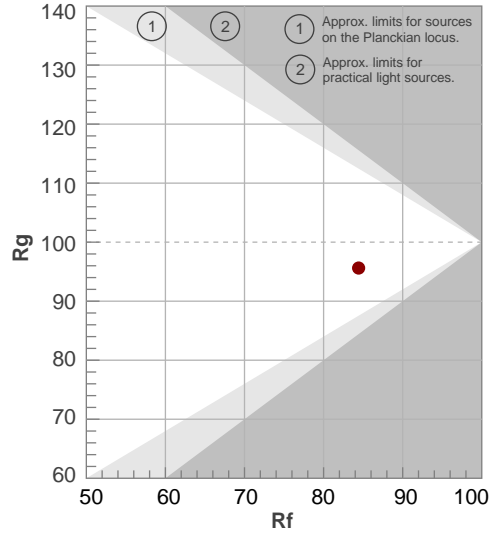
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2737 K	81,3	0,2	84,4	95,6	81,1	64	0,460	0,415	0,0015

TM30 DETAILS

Rf 84,4
Fidelity index Rf

Rg 95,6
Gammut index

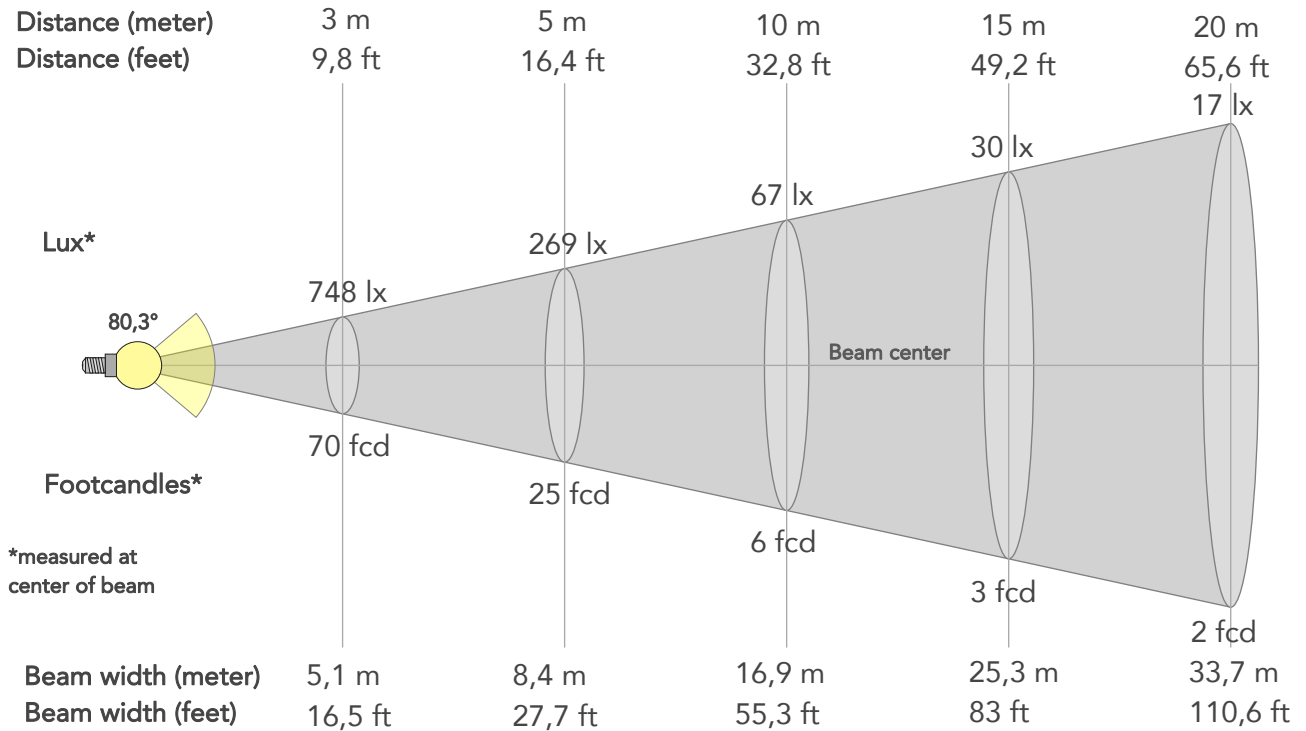
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	80	-9%	7%
3	77	-4%	12%
4	88	2%	8%
5	93	4%	5%
6	93	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-7%	0%
10	86	-6%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	77	-10%	-15%



BEAM DETAILS



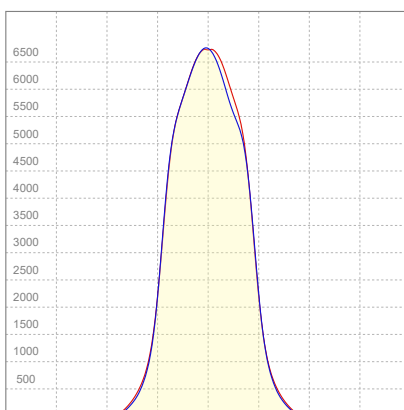
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
80,3°	114,8°	143,1°	95,7%	81,9%



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	6735lx	1684lx	748lx	421lx	269lx	120lx	67lx	30lx	17lx	11lx	7lx	4lx	3lx
Footcand.	626fcd	156fcd	70fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,7m	3,4m	5,1m	6,7m	8,4m	12,6m	16,9m	25,3m	33,7m	42,2m	50,6m	67,5m	84,3m
Beam wid.	5,6ft	11,1ft	16,5ft	22,1ft	27,7ft	41,5ft	55,3ft	83ft	110,6ft	138,3ft	166ft	221,3ft	276,6ft

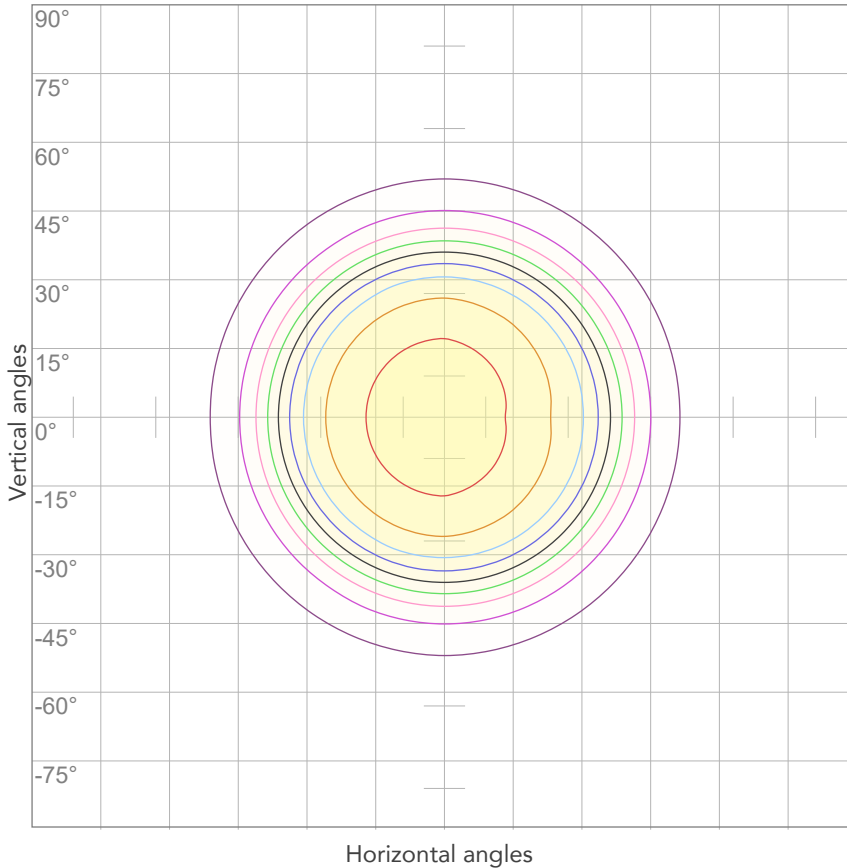
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,08A	217,3W	49lm/W

ISO CANDELA DIAGRAM



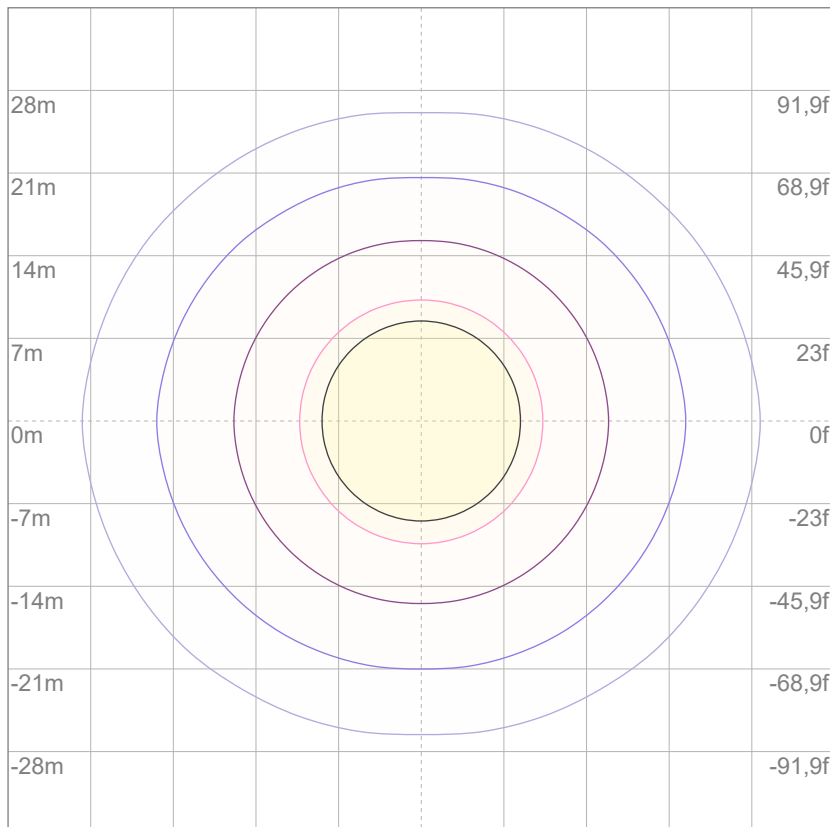
10%	673 cd
20%	1347 cd
30%	2020 cd
40%	2694 cd
50%	3367 cd
60%	4041 cd
70%	4714 cd
80%	5388 cd

Conditions:

Number of c-planes: 4

Candela at center: 6735 cd

ISO LUX DIAGRAM



3%	2,02 lx
5%	3,37 lx
10%	6,73 lx
30%	20,2 lx
50%	33,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 67,3 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:

21207 lm

Peak candela output:

39619 cd

Light quality:

CRI: 81,2

Color temperature:

2723 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 10°x60°Filter

Target:

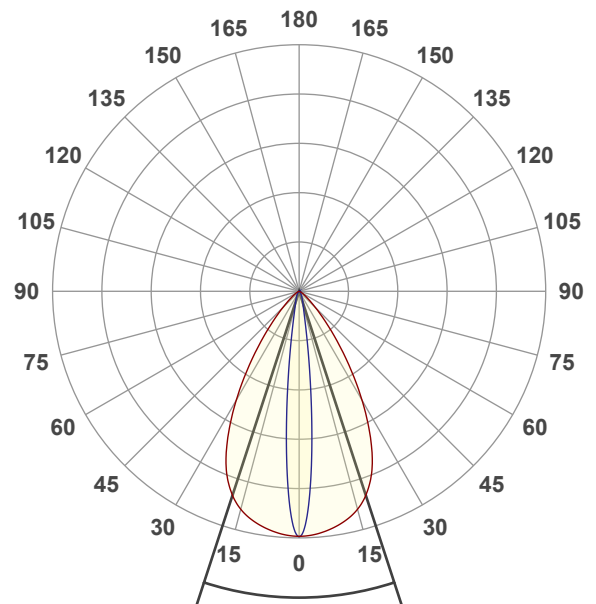
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:34:10

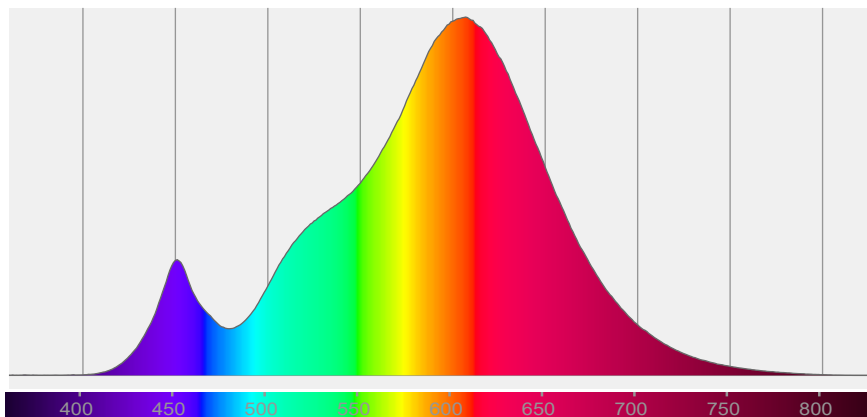


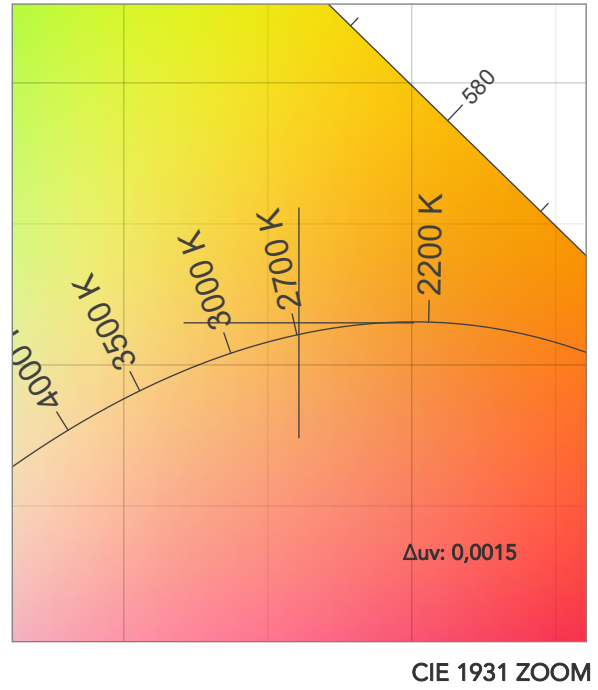
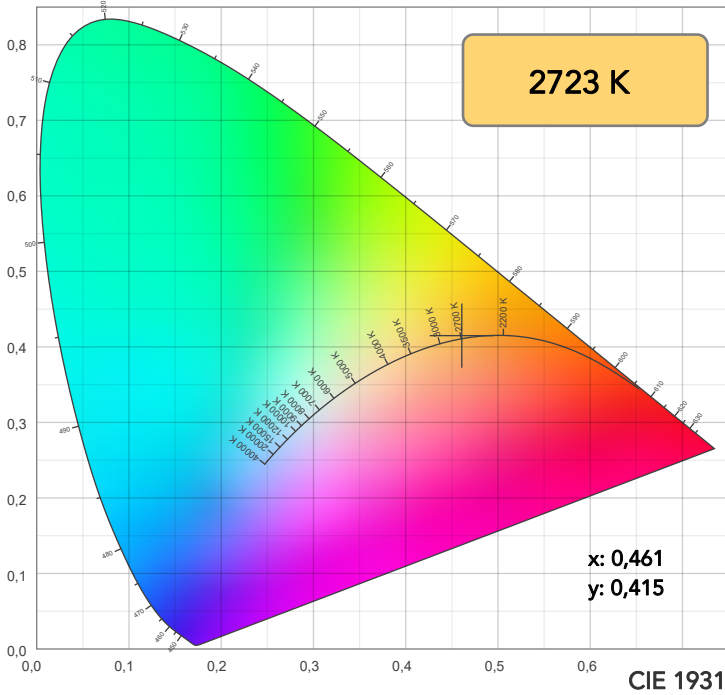
Beam angle 50%: 36,2°

Field angle 10%: 57°

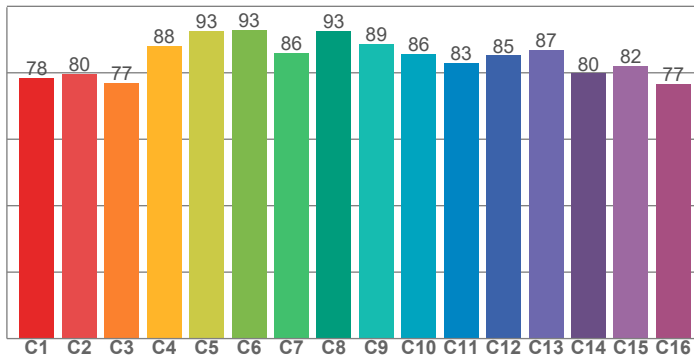
Cut off angle 2.5%: 80,2°

Spectra

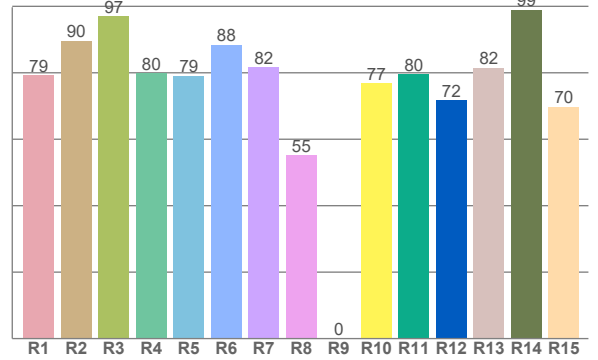




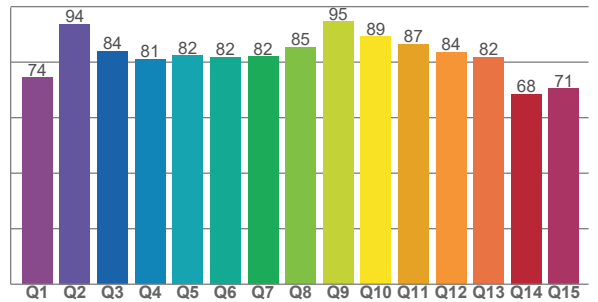
TM30: 84,4



CRI: 81,2 (R1-R8)



CQS: 81,1



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	97,0	79,8	79,1	88,4	81,6	55,1	0,1	77,0	79,6	71,8	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
78,4	79,7	76,9	88,1	92,6	93,0	86,1	92,7	88,7	85,7	82,9	85,2	86,9	79,8	82,1	76,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,5	93,8	83,9	81,0	82,4	81,9	82,0	85,3	94,6	89,2	86,6	83,6	81,7	68,5	70,5

COLOR PARAMETERS

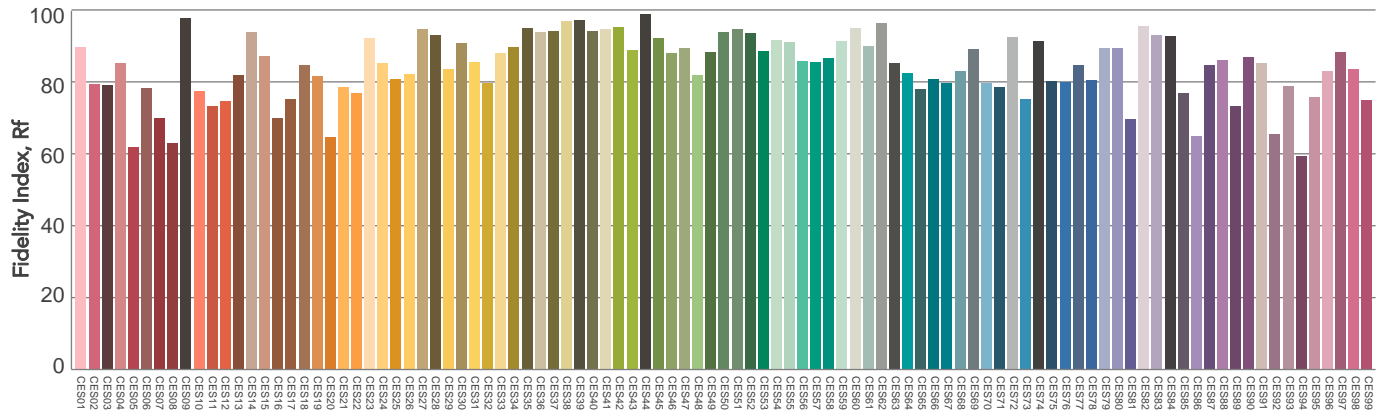
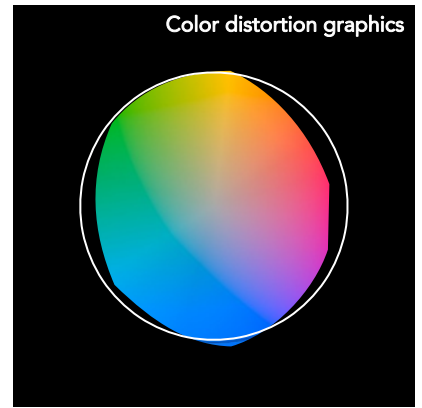
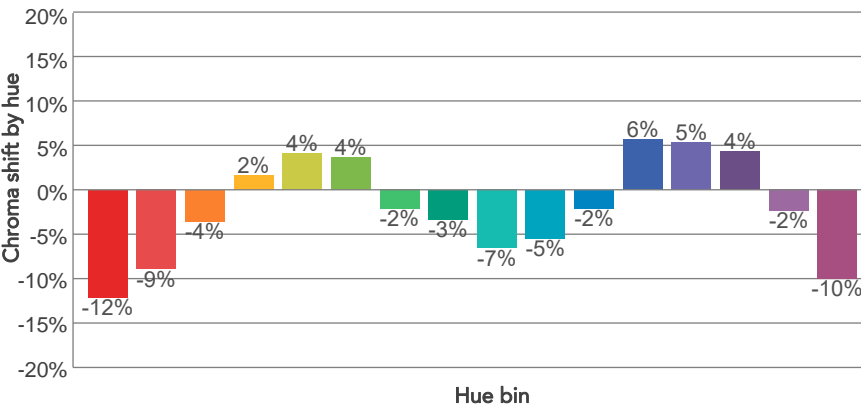
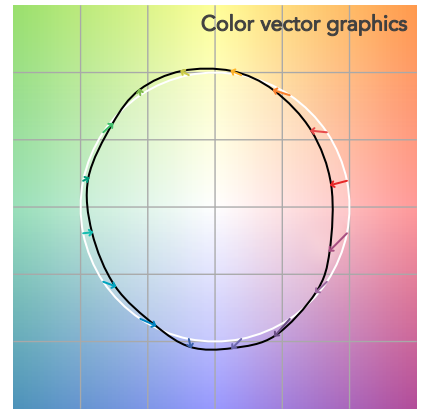
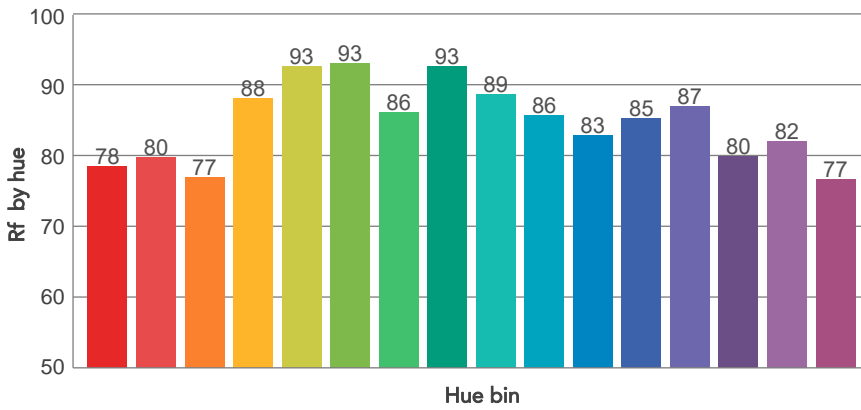
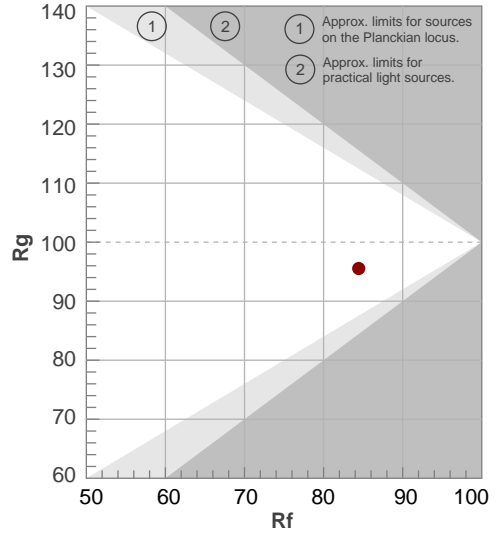
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2723 K	81,2	0,1	84,4	95,5	81,1	64	0,461	0,415	0,0015

TM30 DETAILS

Rf 84,4
Fidelity index Rf

Rg 95,5
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	93	4%	-2%
7	86	-2%	-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%

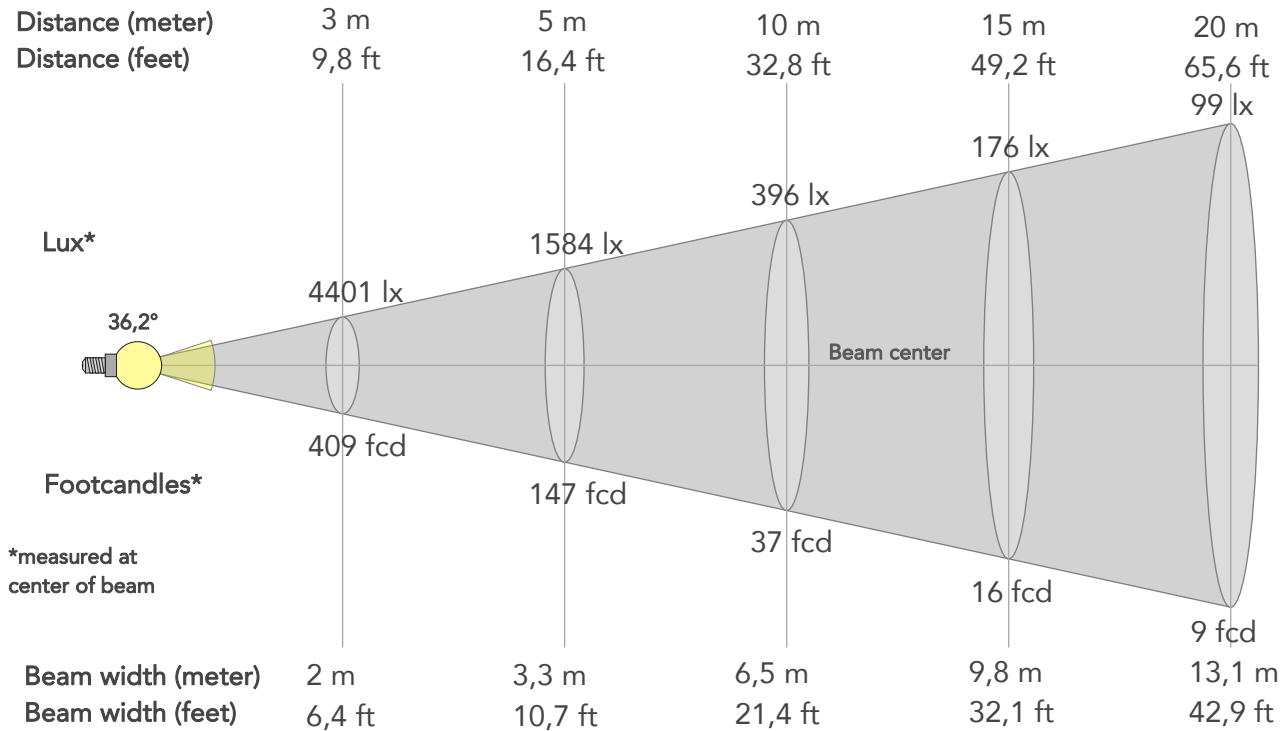


Color Evaluation Sample

BEAM DETAILS



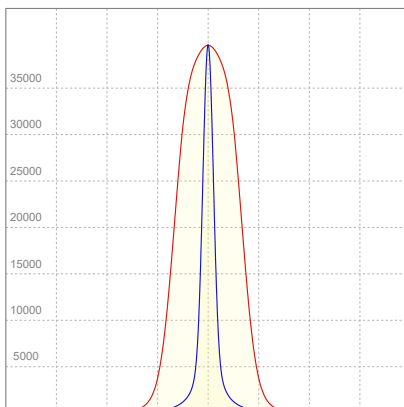
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36,2°	57°	80,2°	99,1%	94,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	39609lx	9902lx	4401lx	2476lx	1584lx	704lx	396lx	176lx	99lx	63lx	44lx	25lx	16lx
Footcand.	3680fcd	920fcd	409fcd	230fcd	147fcd	65fcd	37fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,7m	1,3m	2m	2,6m	3,3m	4,9m	6,5m	9,8m	13,1m	16,3m	19,6m	26,1m	32,7m
Beam wid.	2,2ft	4,3ft	6,4ft	8,6ft	10,7ft	16,1ft	21,4ft	32,1ft	42,9ft	53,6ft	64,3ft	85,7ft	107,2ft

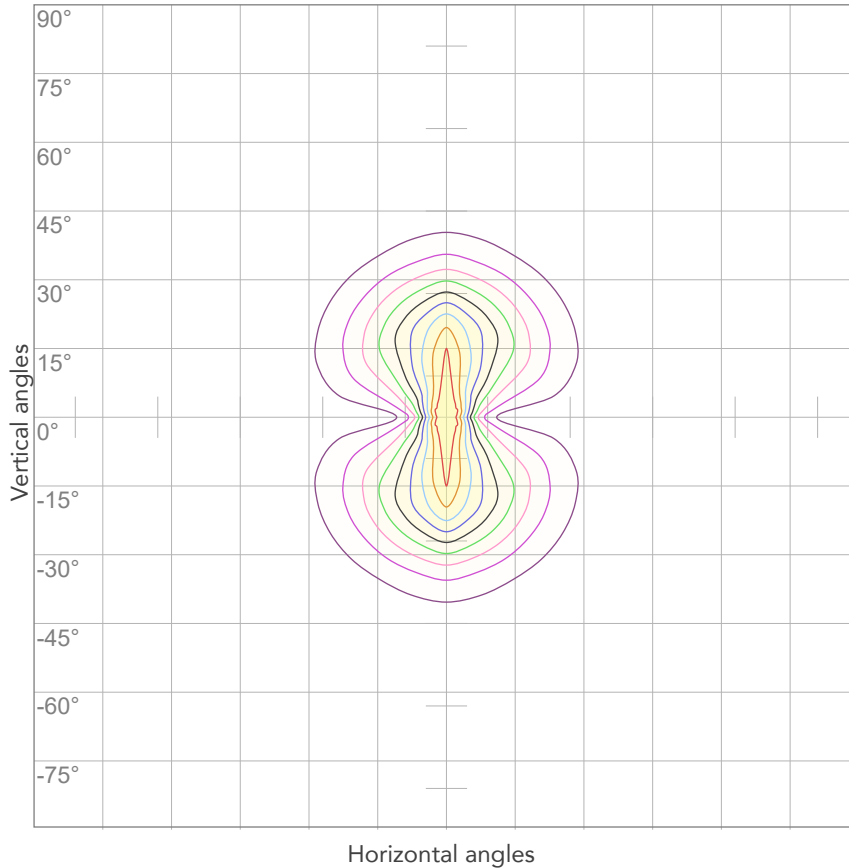
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	217W	98lm/W

ISO CANDELA DIAGRAM



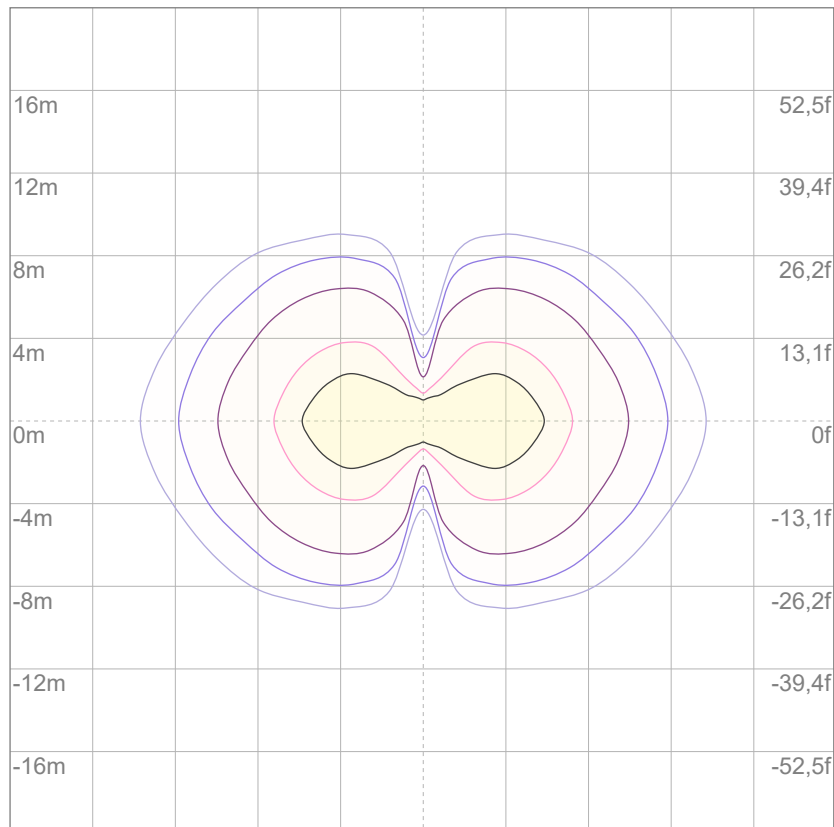
10%	3961 cd
20%	7922 cd
30%	11883 cd
40%	15844 cd
50%	19805 cd
60%	23766 cd
70%	27727 cd
80%	31688 cd

Conditions:

Number of c-planes: 4

Candela at center: 39609 cd

ISO LUX DIAGRAM



3%	11,9 lx
5%	19,8 lx
10%	39,6 lx
30%	119 lx
50%	198 lx

Conditions:

Number of c-planes: 4

Lux at center: 396 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:

12424 lm

Peak candela output:

18051 cd

Light quality:

CRI: 81,1

Color temperature:

2730 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°x60°Filter

Target:

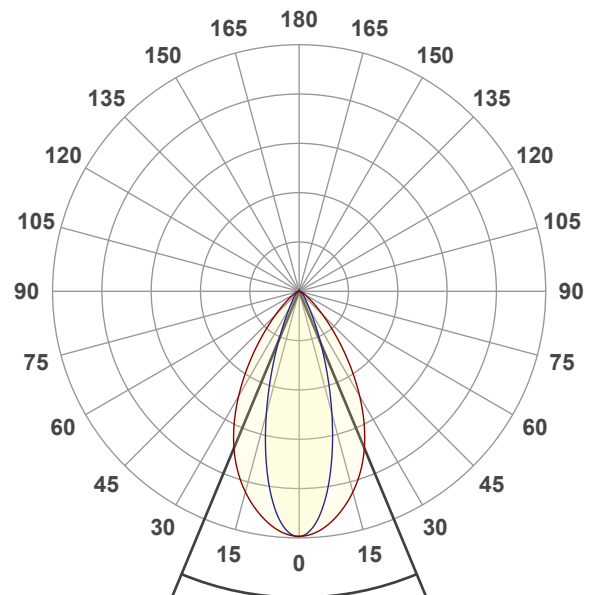
Warm White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:44:47

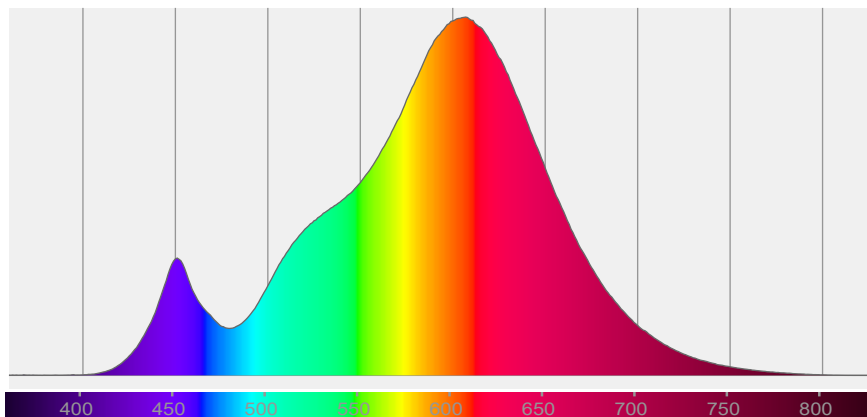


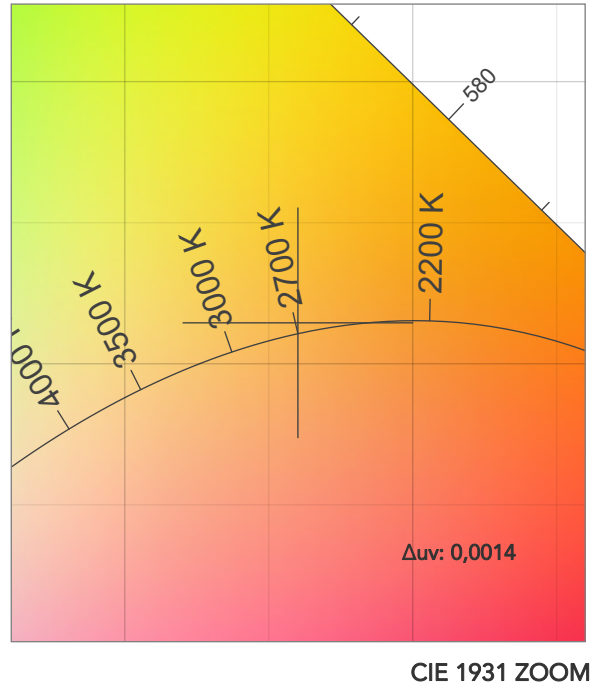
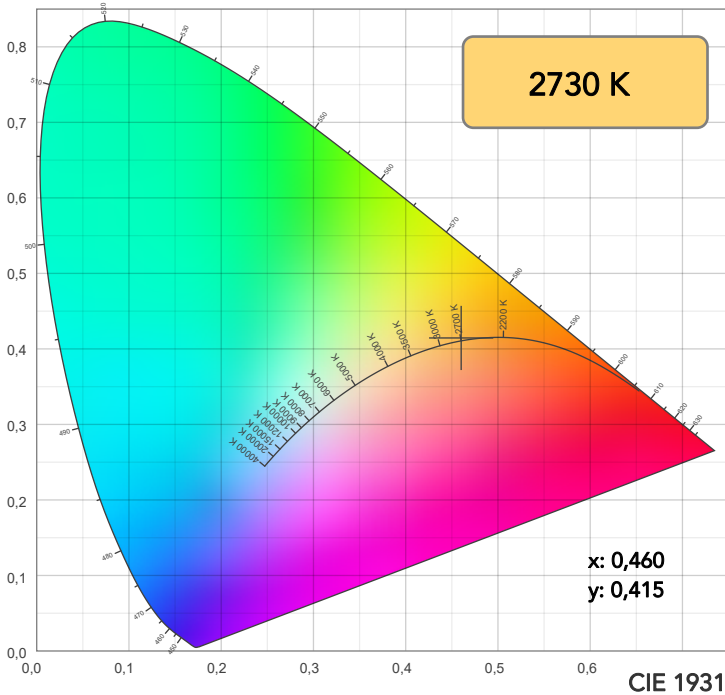
Beam angle 50%: 45,2°

Field angle 10%: 76,5°

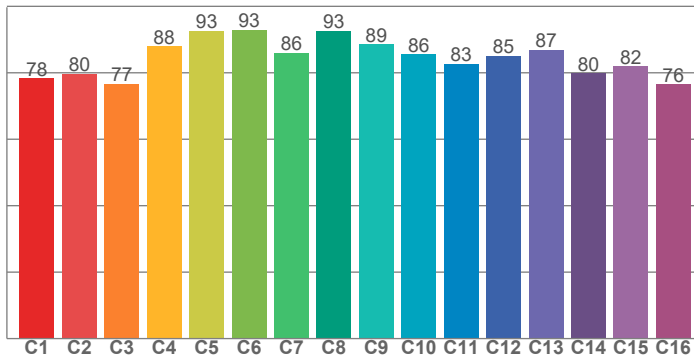
Cut off angle 2.5%: 106,3°

Spectra

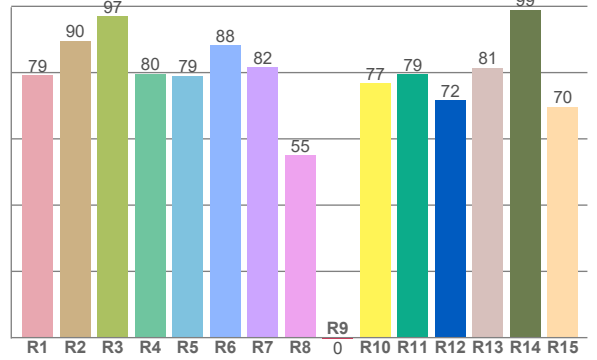




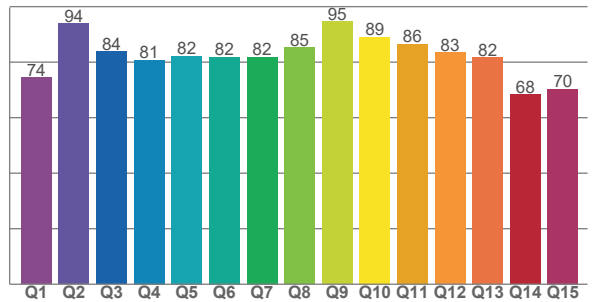
TM30: 84,3



CRI: 81,1 (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
79,1	89,6	97,0	79,7	79,0	88,3	81,5	55,0	-0,3	76,9	79,4	71,6	81,4	99,0	69,7

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
78,3	79,6	76,7	88,0	92,6	92,9	86,0	92,5	88,6	85,5	82,8	85,2	86,9	79,8	82,0	76,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74,4	93,9	83,7	80,9	82,3	81,8	81,8	85,2	94,6	89,1	86,5	83,4	81,6	68,4	70,4

COLOR PARAMETERS

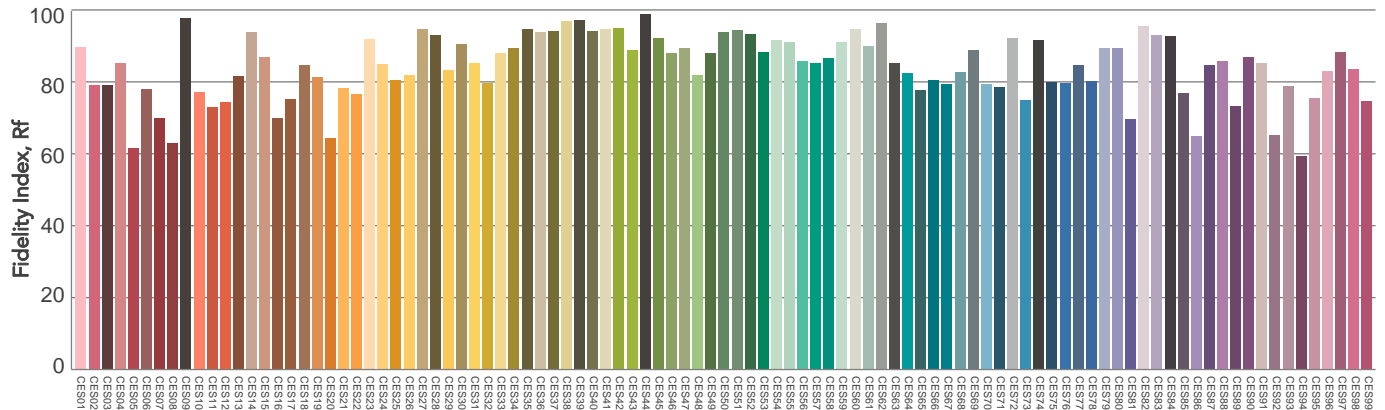
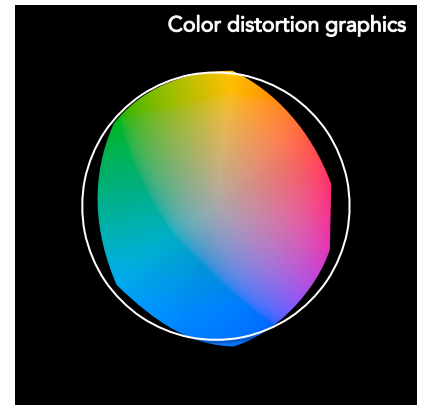
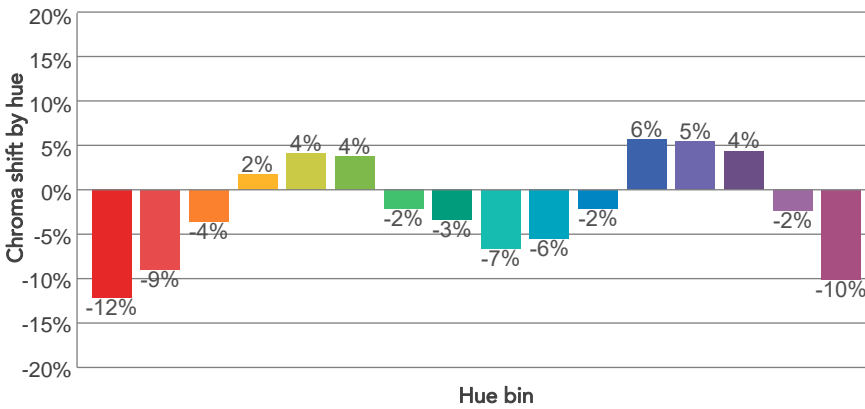
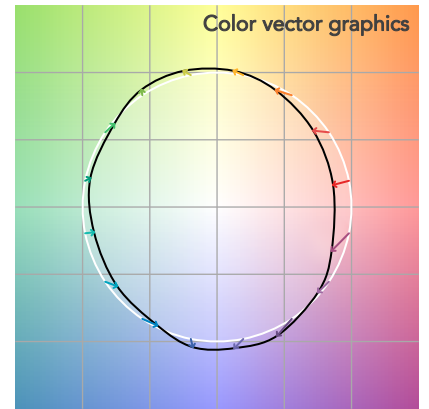
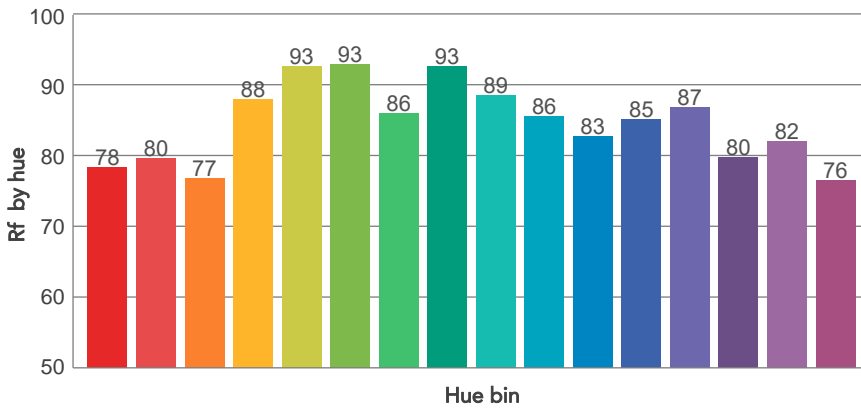
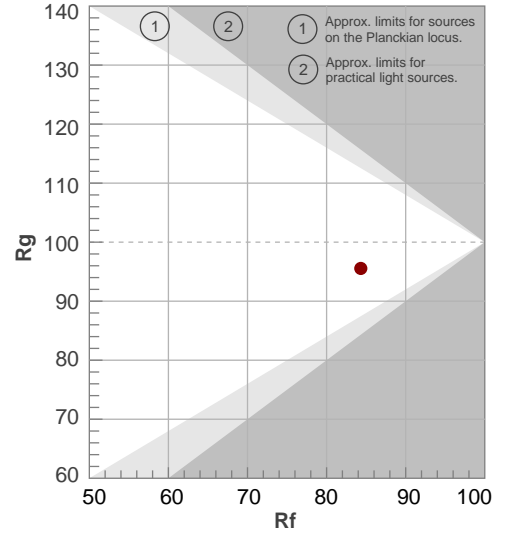
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2730 K	81,1	-0,3	84,3	95,5	81,0	64	0,460	0,415	0,0014

TM30 DETAILS

Rf 84,3
Fidelity index Rf

Rg 95,5
Gammut index

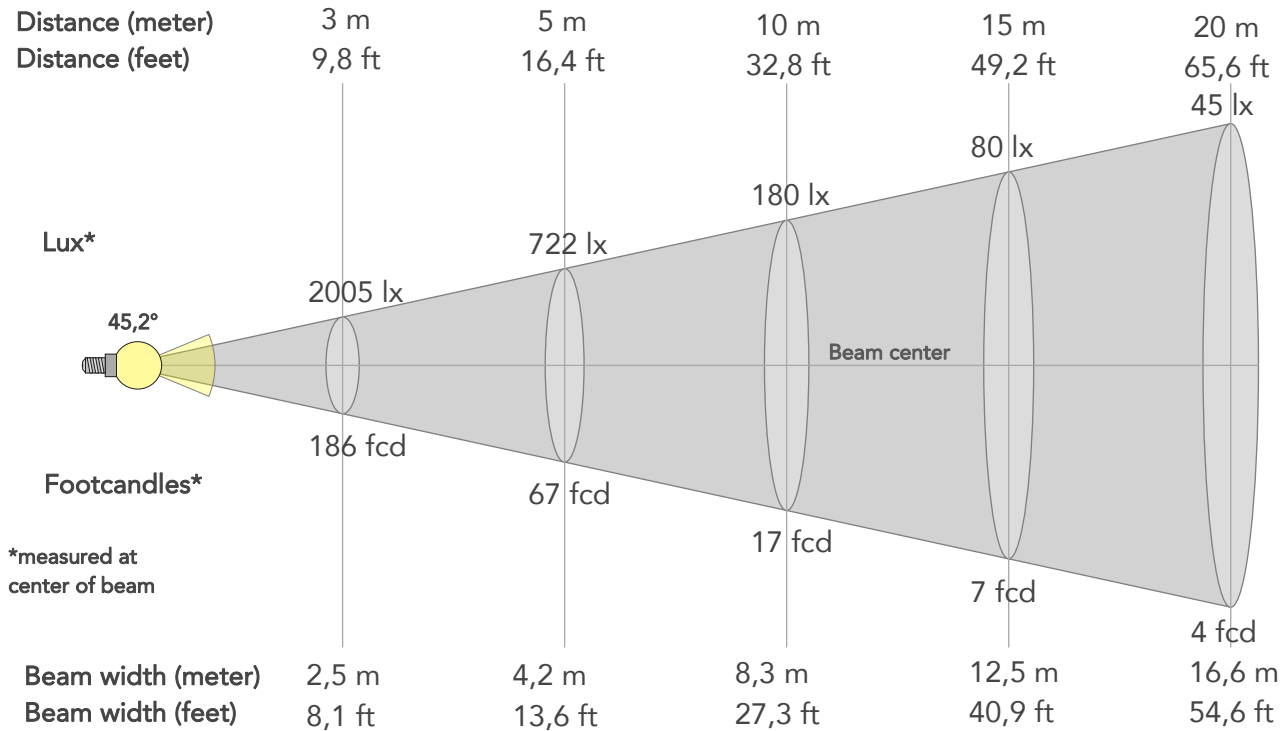
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	80	-9%	7%
3	77	-4%	12%
4	88	2%	8%
5	93	4%	5%
6	93	4%	-2%
7	86	-2%	-9%
8	93	-3%	-3%
9	89	-7%	1%
10	86	-6%	8%
11	83	-2%	12%
12	85	6%	3%
13	87	5%	-8%
14	80	4%	-16%
15	82	-2%	-11%
16	76	-10%	-15%



BEAM DETAILS



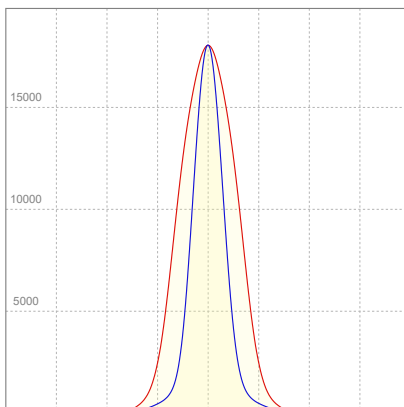
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	76,5°	106,3°	98,2%	90,5%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	18043lx	4511lx	2005lx	1128lx	722lx	321lx	180lx	80lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1676fcd	419fcd	186fcd	105fcd	67fcd	30fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,6m	20,8m	24,9m	33,3m	41,6m
Beam wid.	2,7ft	5,5ft	8,1ft	10,9ft	13,6ft	20,5ft	27,3ft	40,9ft	54,6ft	68,2ft	81,8ft	109,1ft	136,4ft

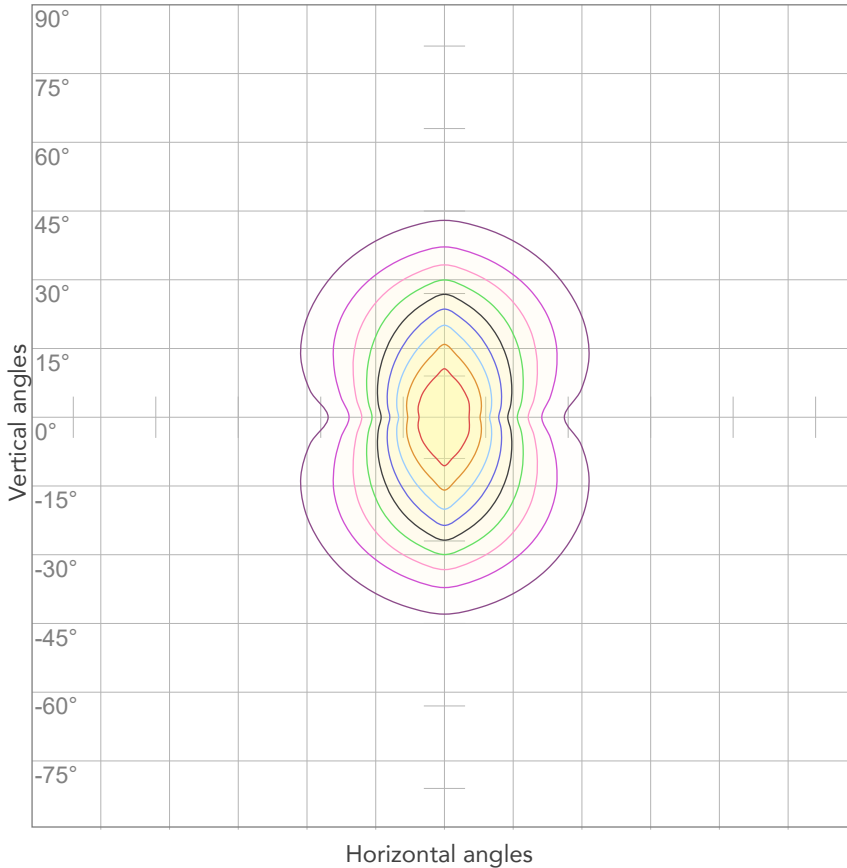
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	216,7W	57lm/W

ISO CANDELA DIAGRAM



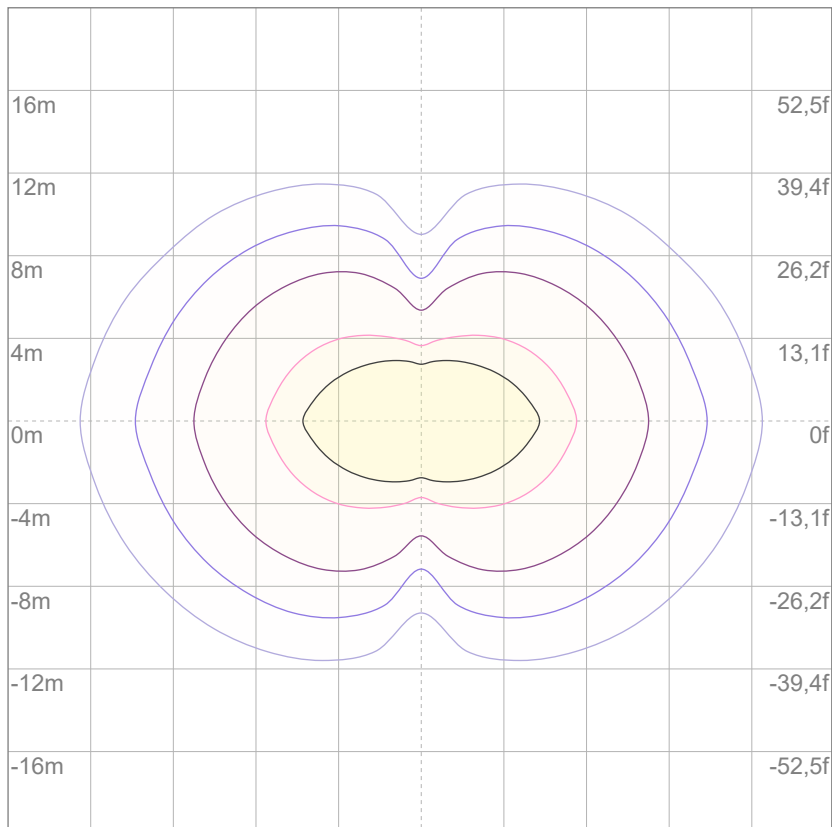
10%	1804 cd
20%	3609 cd
30%	5413 cd
40%	7217 cd
50%	9021 cd
60%	10826 cd
70%	12630 cd
80%	14434 cd

Conditions:

Number of c-planes: 4

Candela at center: 18043 cd

ISO LUX DIAGRAM



3%	5,41 lx
5%	9,02 lx
10%	18,0 lx
30%	54,1 lx
50%	90,2 lx

Conditions:

Number of c-planes: 4

Lux at center: 180 lx

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



Total lumen output:

13414 lm

Peak candela output:

265555 cd

Light quality:

CRI: 83,2

Color temperature:

6990 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15°

Target:

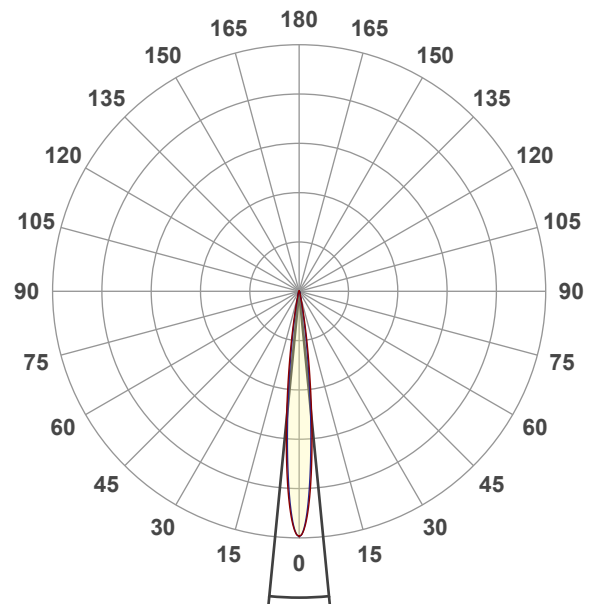
Cold White

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:18:20

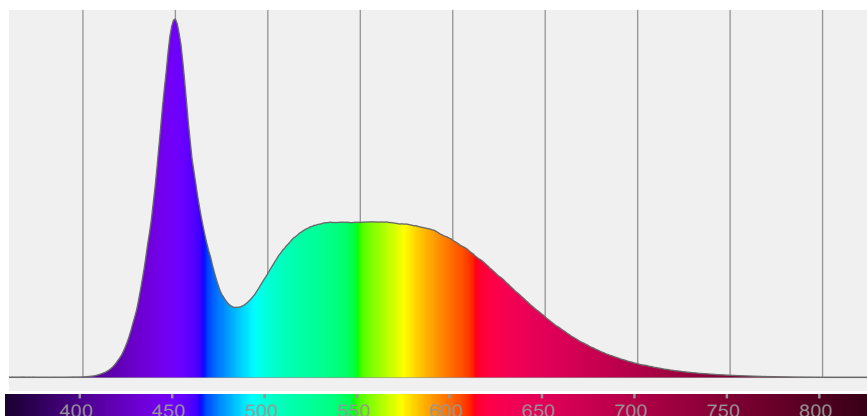


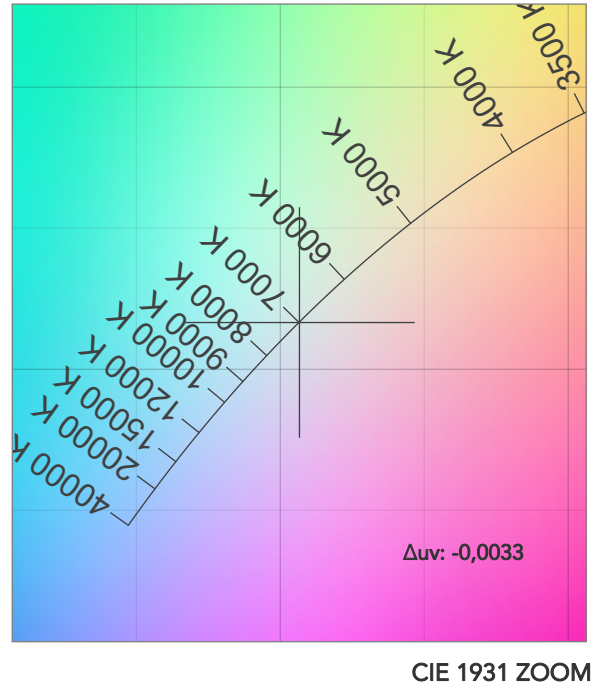
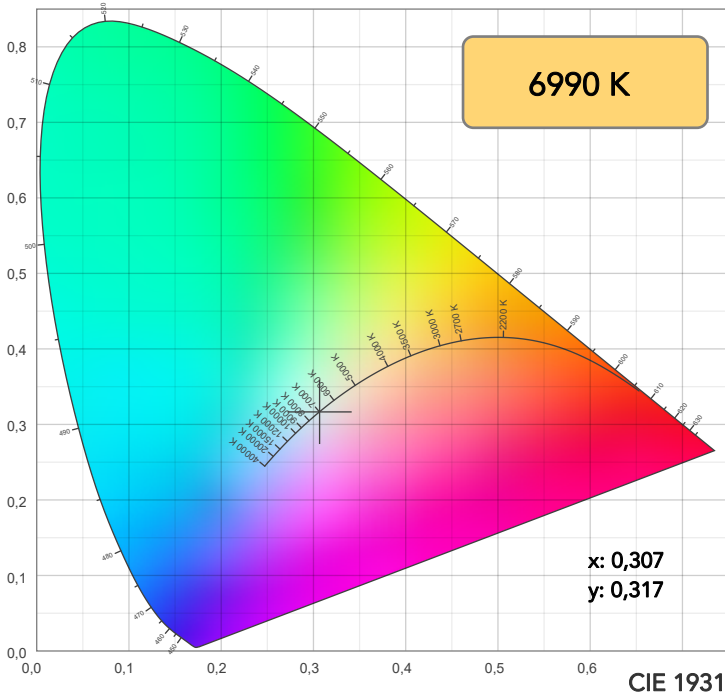
Beam angle 50%: 11,2°

Field angle 10%: 20,6°

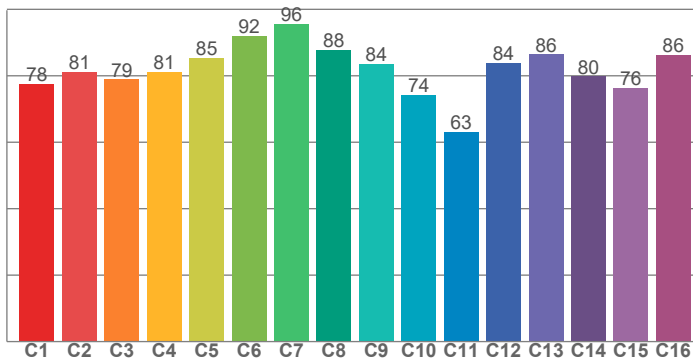
Cut off angle 2.5%: 28,8°

Spectra

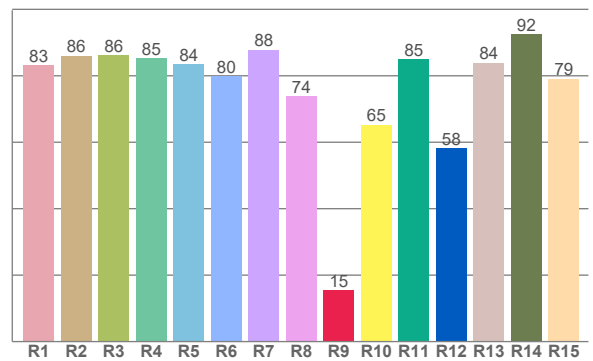




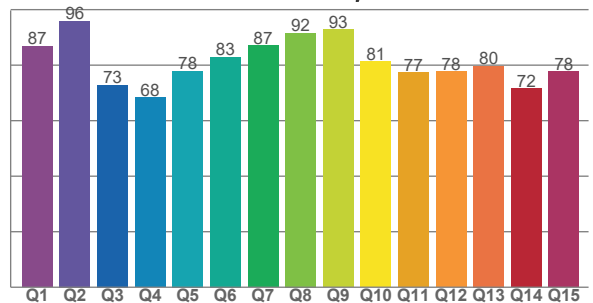
TM30: 82,2



CRI: 83,2 (R1-R8)



CQS: 79,9



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,1	86,0	86,3	85,2	83,5	79,8	87,8	73,9	15,4	65,3	85,0	58,3	83,9	92,5	79,1

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
77,6	81,1	78,9	81,1	85,4	92,0	95,6	87,8	83,6	74,2	63,1	83,9	86,5	79,8	76,4	86,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,8	95,8	72,8	68,3	77,9	83,0	87,0	91,5	92,8	81,3	77,3	77,7	79,7	71,5	77,7

COLOR PARAMETERS

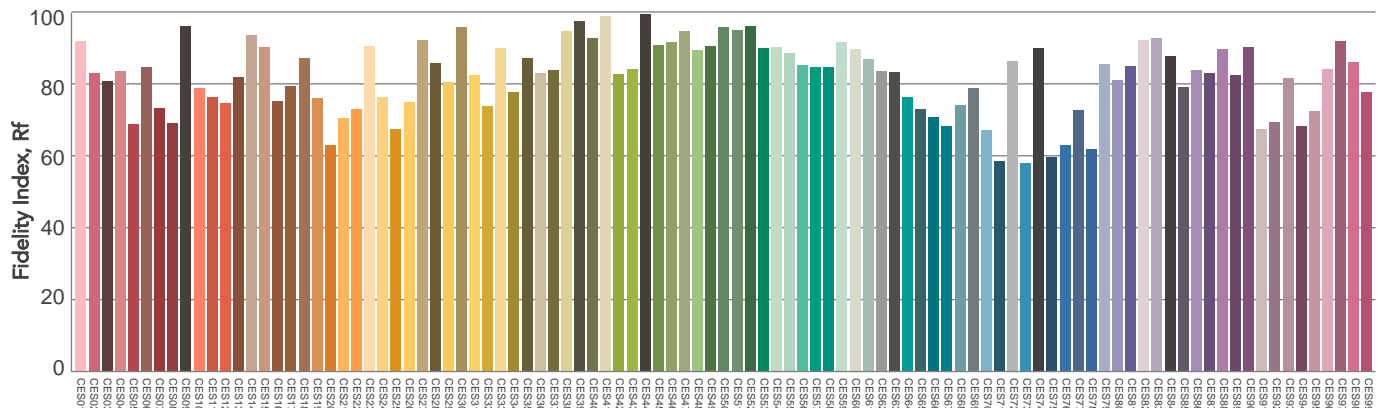
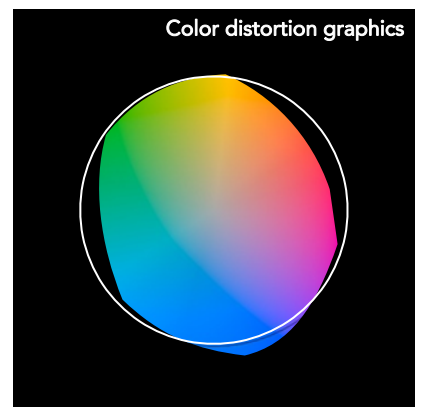
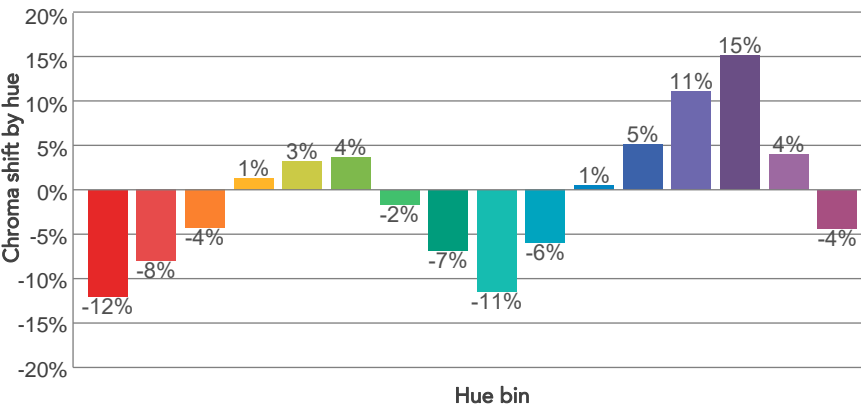
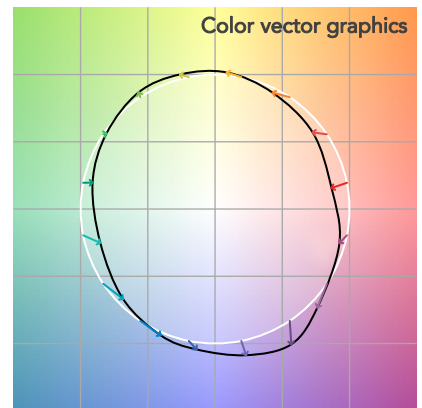
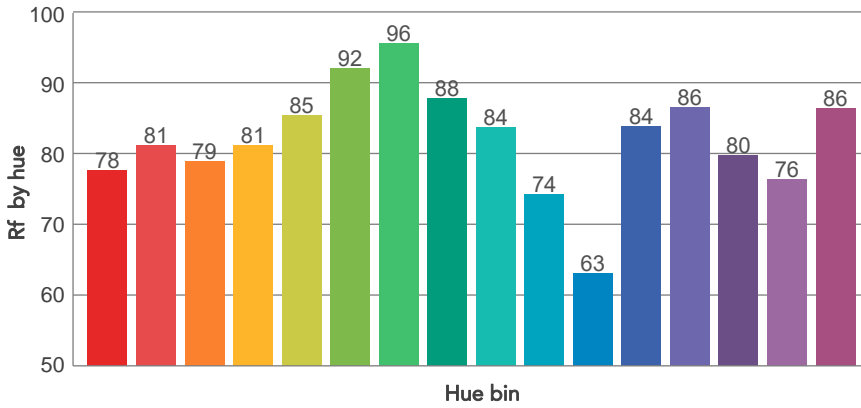
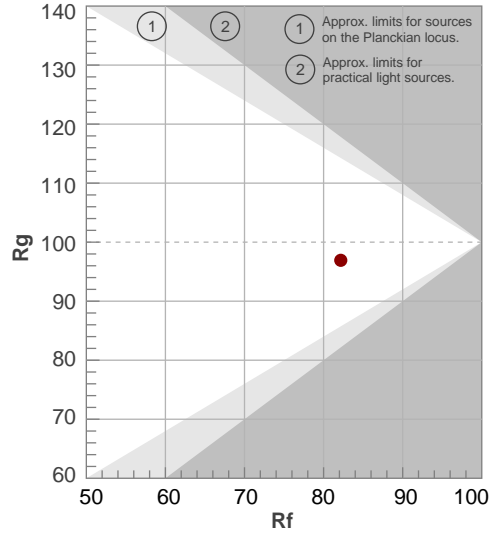
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6990 K	83,2	15,4	82,2	96,9	79,9	71	0,307	0,317	-0,0033

TM30 DETAILS

Rf 82,2
Fidelity index Rf

Rg 96,9
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	84	-11%	8%
10	74	-6%	19%
11	63	1%	19%
12	84	5%	7%
13	86	11%	1%
14	80	15%	-9%
15	76	4%	-19%
16	86	-4%	-7%

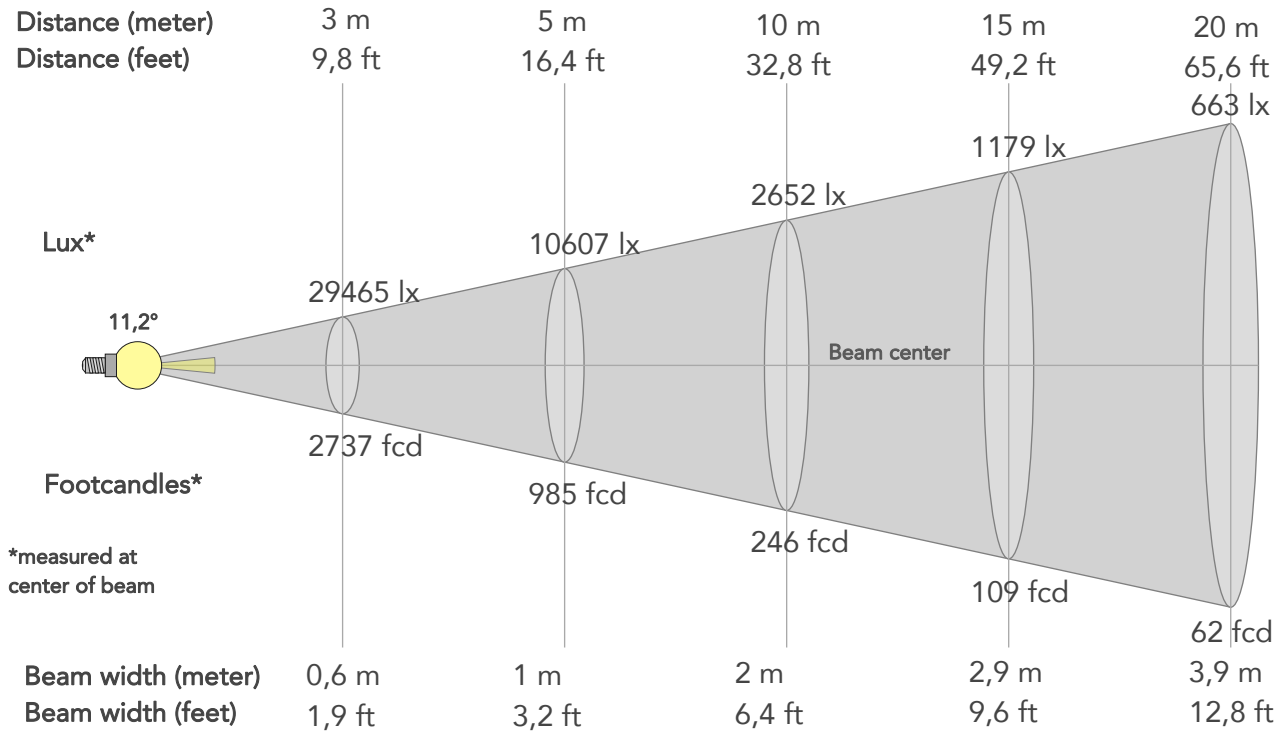


Color Evaluation Sample

BEAM DETAILS



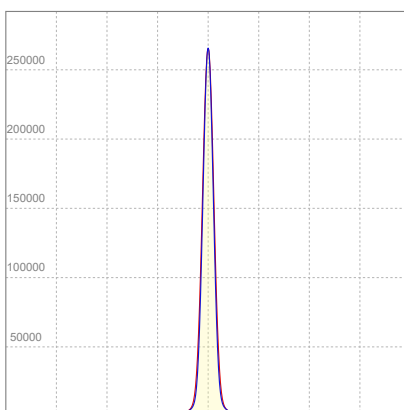
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
11,2°	20,6°	28,8°	100,0%	100,0%



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	265182lx	66296lx	29465lx	16574lx	10607lx	4714lx	2652lx	1179lx	663lx	424lx	295lx	166lx	106lx
Footcand.	24636fcd	6159fcd	2737fcd	1540fcd	985fcd	438fcd	246fcd	109fcd	62fcd	39fcd	27fcd	15fcd	10fcd
Beam wid.	0,2m	0,4m	0,6m	0,8m	1m	1,5m	2m	2,9m	3,9m	4,9m	5,9m	7,8m	9,8m
Beam wid.	0,6ft	1,3ft	1,9ft	2,6ft	3,2ft	4,8ft	6,4ft	9,6ft	12,8ft	16,1ft	19,3ft	25,7ft	32,1ft

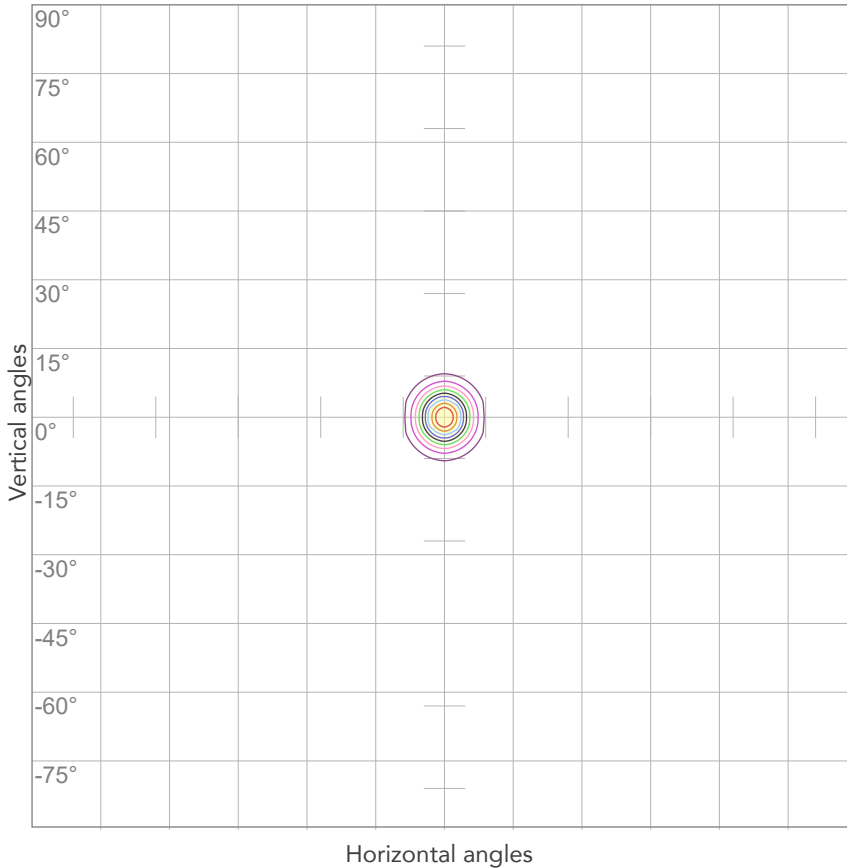
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,09A	218,5W	61lm/W

ISO CANDELA DIAGRAM



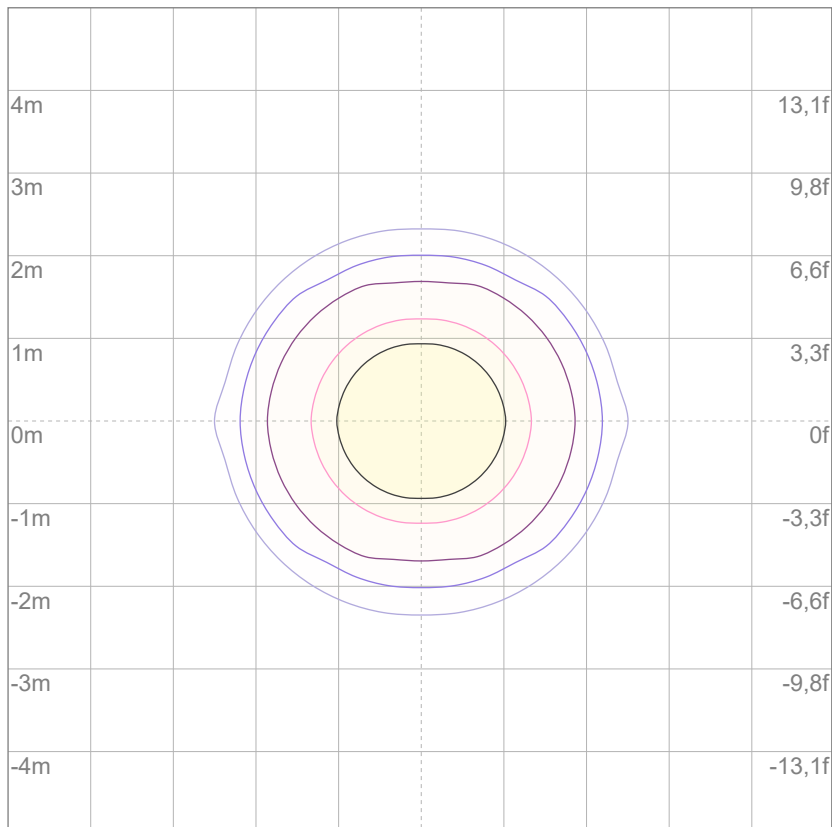
10%	26518 cd
20%	53036 cd
30%	79555 cd
40%	106073 cd
50%	132591 cd
60%	159109 cd
70%	185628 cd
80%	212146 cd

Conditions:

Number of c-planes: 4

Candela at center: 265182 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	79,6 lx
5%	133 lx
10%	265 lx
30%	796 lx
50%	1326 lx

Conditions:

Number of c-planes: 4

Lux at center: 2652 lx

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



Total lumen output:

13532 lm

Peak candela output:

54738 cd

Light quality:

CRI: 82,9

Color temperature:

6969 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 20°Filter

Target:

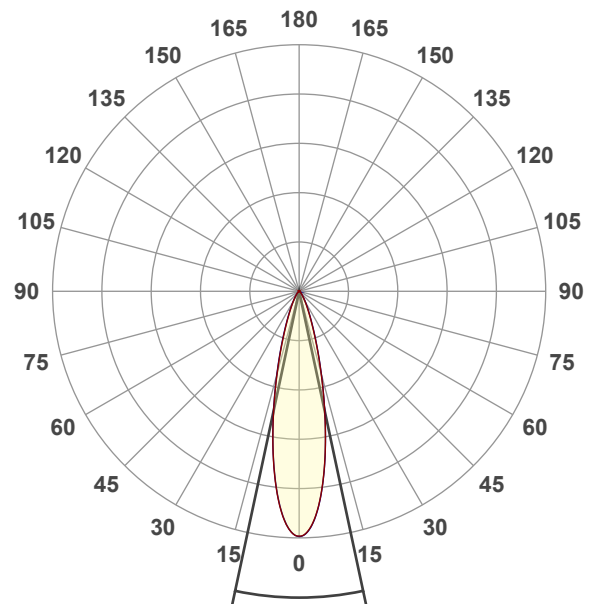
Cold White

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:40:20

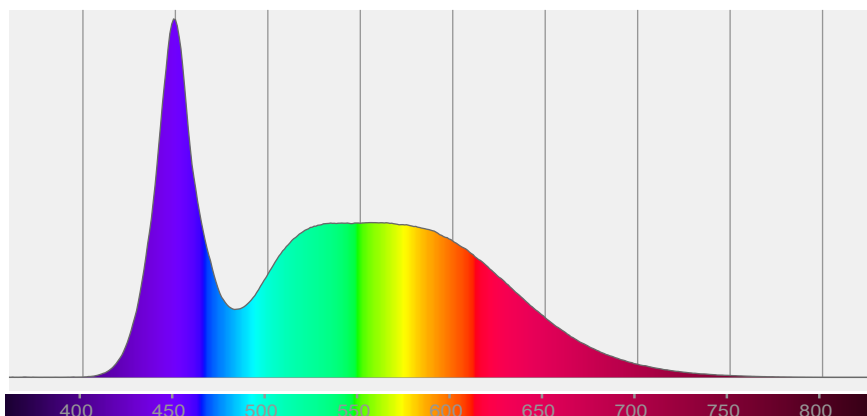


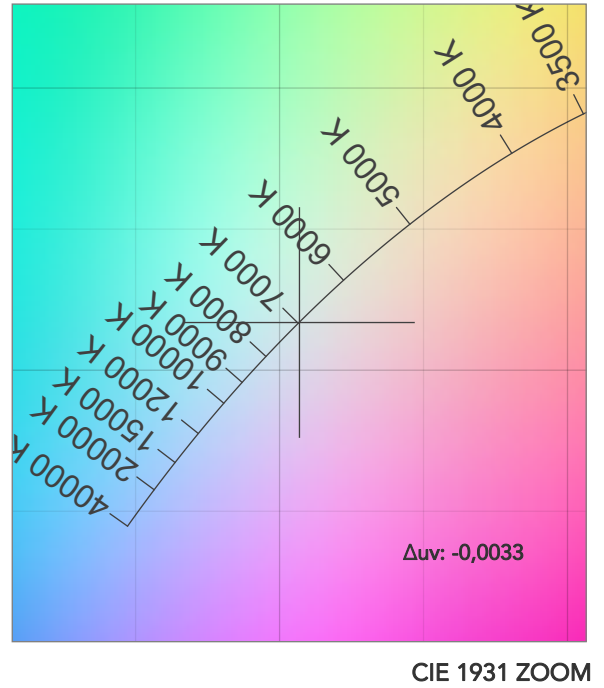
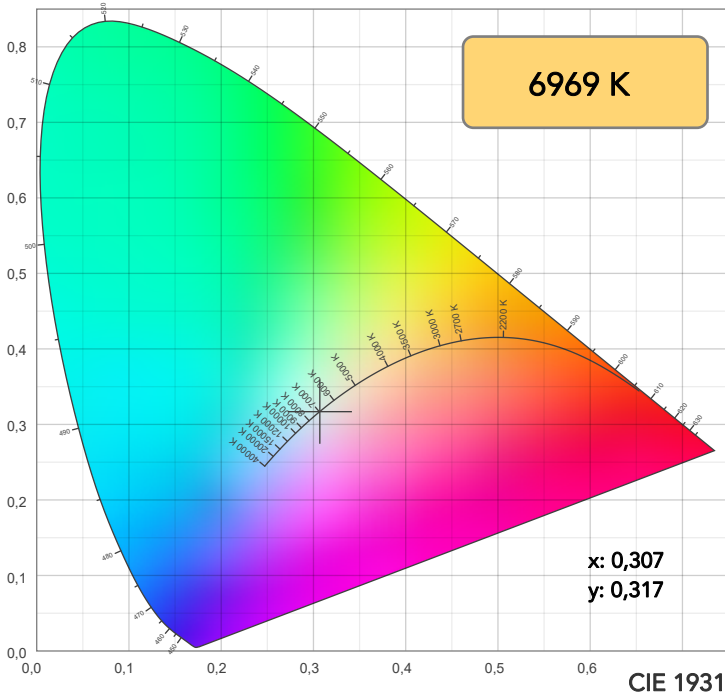
Beam angle 50%: 24,1°

Field angle 10%: 48,5°

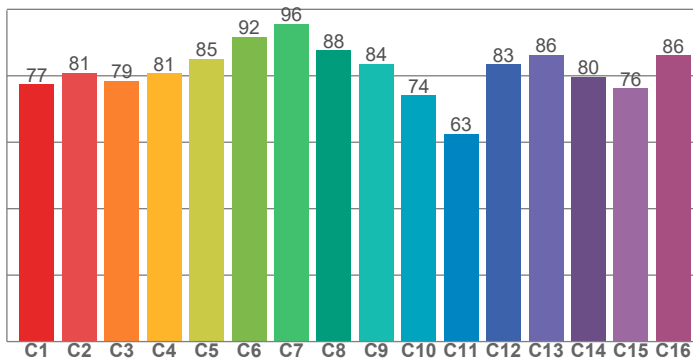
Cut off angle 2.5%: 72,2°

Spectra

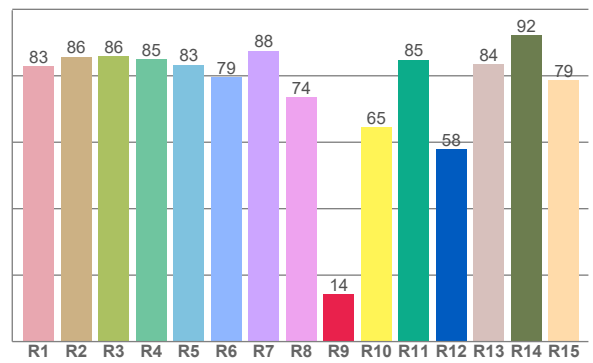




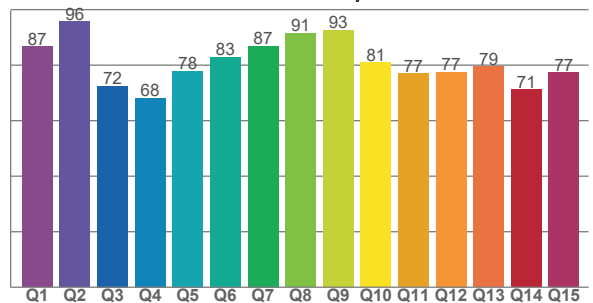
TM30: 81,9



CRI: 82,9 (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
82,8	85,7	85,9	85,0	83,3	79,5	87,5	73,6	14,2	64,5	84,8	58,0	83,5	92,3	78,7

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
77,4	80,9	78,5	80,7	85,1	91,8	95,6	87,7	83,6	74,1	62,5	83,5	86,3	79,7	76,2	86,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,6	95,7	72,5	68,1	77,9	82,9	86,8	91,5	92,7	81,0	77,0	77,5	79,4	71,2	77,4

COLOR PARAMETERS

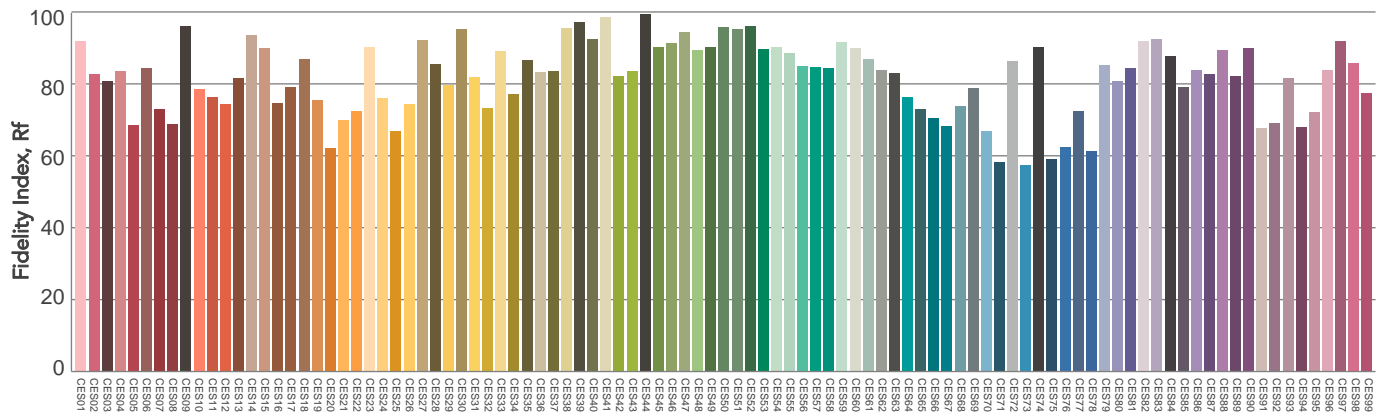
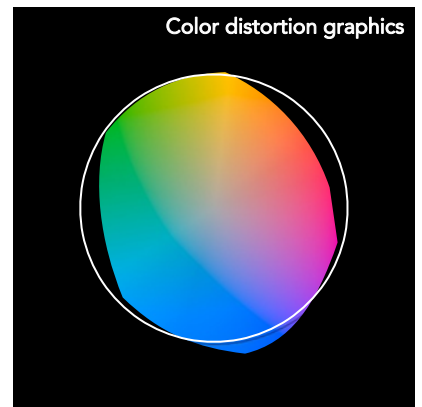
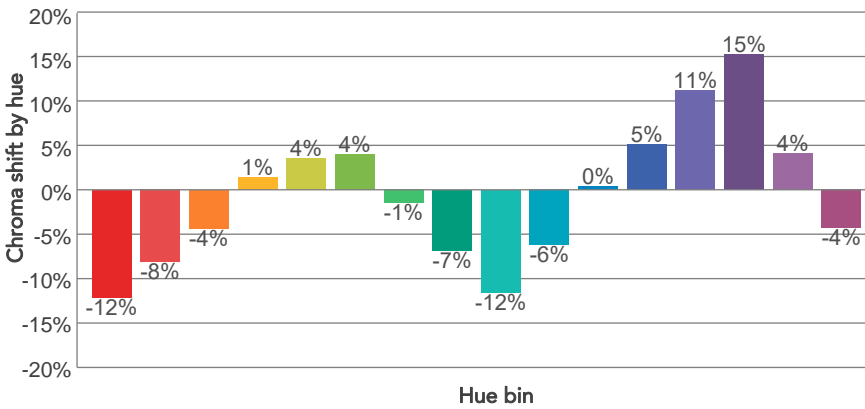
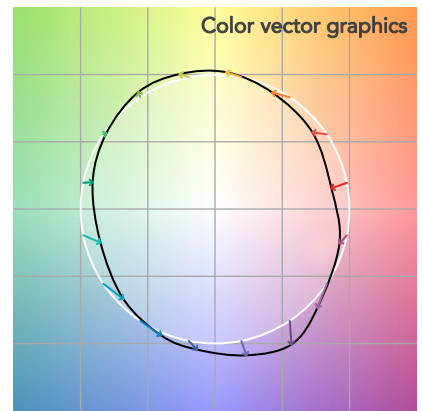
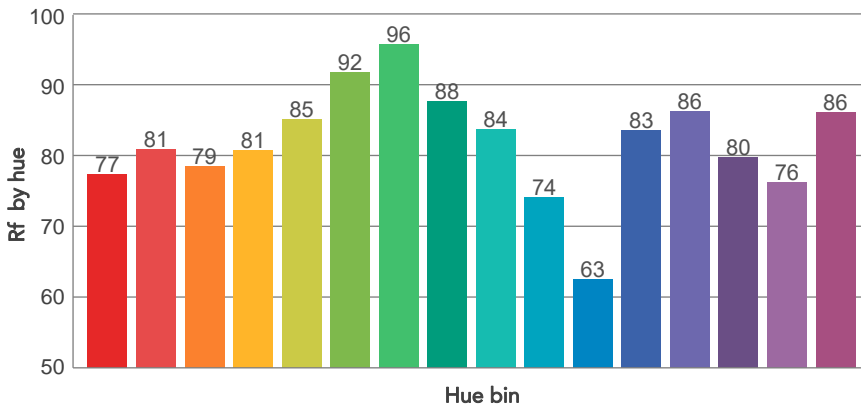
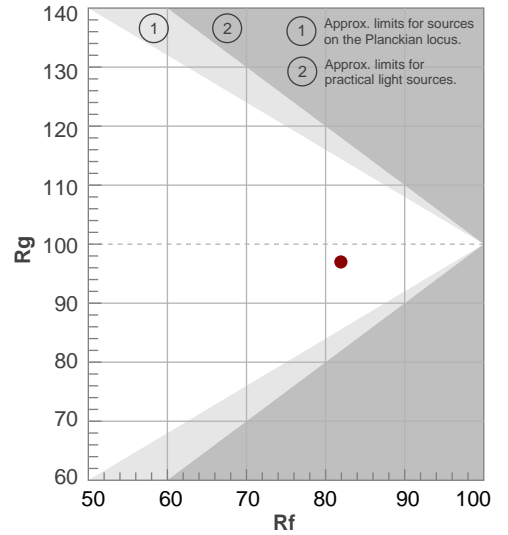
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6969 K	82,9	14,2	81,9	97,0	79,6	70	0,307	0,317	-0,0033

TM30 DETAILS

Rf 81,9
Fidelity index Rf

Rg 97,0
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-12%	-2%
2	81	-8%	7%
3	79	-4%	13%
4	81	1%	12%
5	85	4%	6%
6	92	4%	-1%
7	96	-1%	-2%
8	88	-7%	-2%
9	84	-12%	8%
10	74	-6%	19%
12	83	5%	7%
13	86	11%	2%
14	80	15%	-9%
15	76	4%	-19%
16	86	-4%	-7%

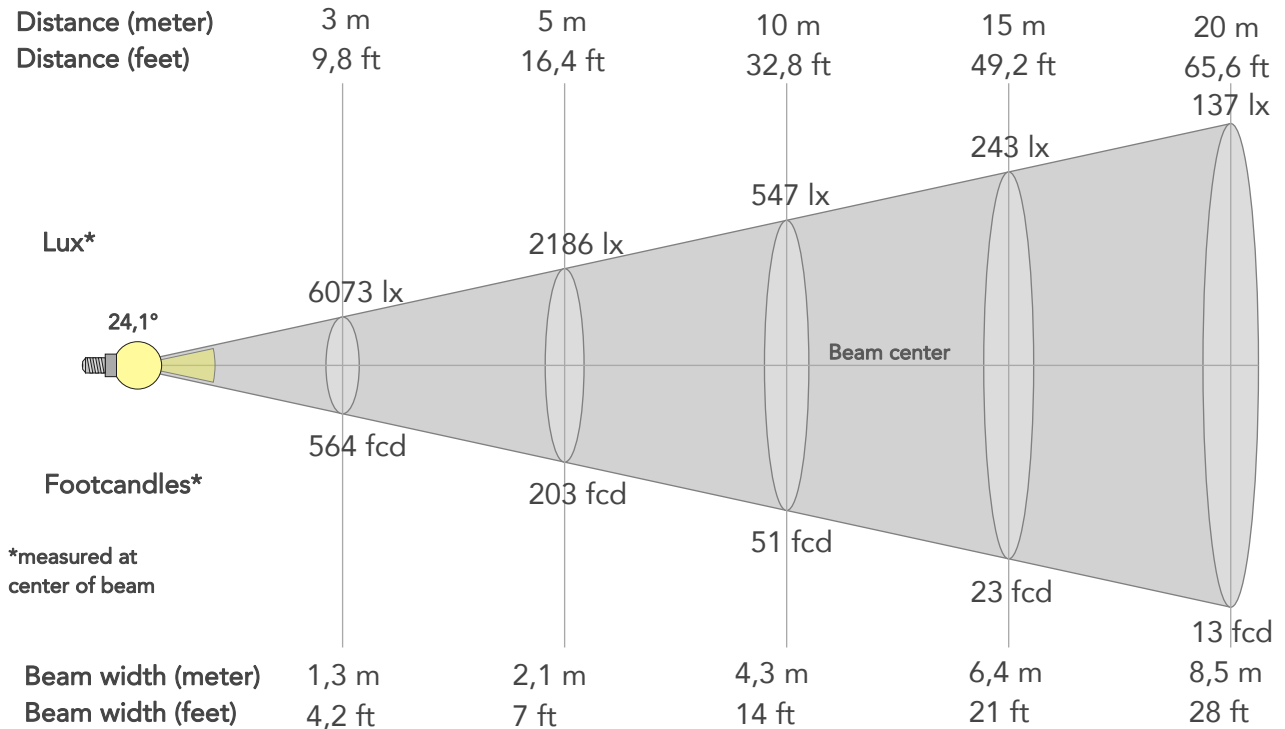


Color Evaluation Sample

BEAM DETAILS



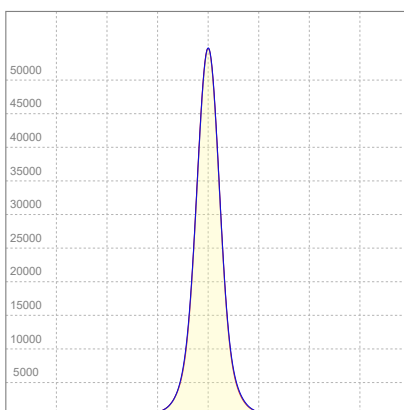
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24,1°	48,5°	72,2°	99,7%	96,8%



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	54659lx	13665lx	6073lx	3416lx	2186lx	972lx	547lx	243lx	137lx	87lx	61lx	34lx	22lx
Footcand.	5078fcd	1270fcd	564fcd	317fcd	203fcd	90fcd	51fcd	23fcd	13fcd	8fcd	6fcd	3fcd	2fcd
Beam wid.	0,4m	0,9m	1,3m	1,7m	2,1m	3,2m	4,3m	6,4m	8,5m	10,7m	12,8m	17,1m	21,4m
Beam wid.	1,4ft	2,8ft	4,2ft	5,6ft	7ft	10,5ft	14ft	21ft	28ft	35ft	42ft	56,1ft	70,1ft

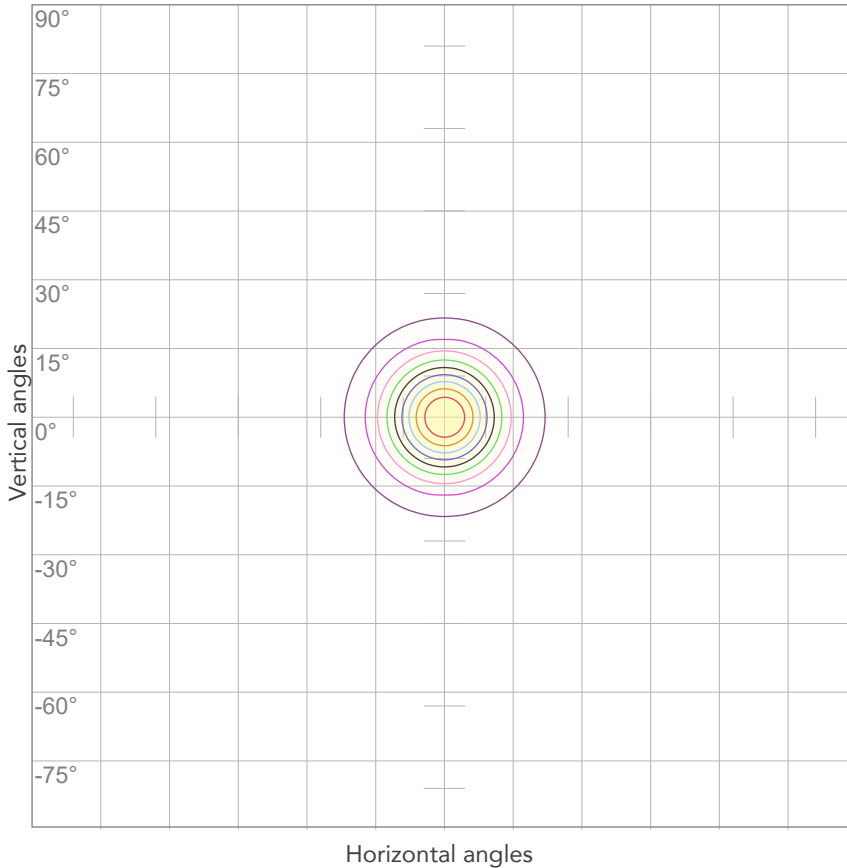
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,09A	219,5W	62lm/W

ISO CANDELA DIAGRAM



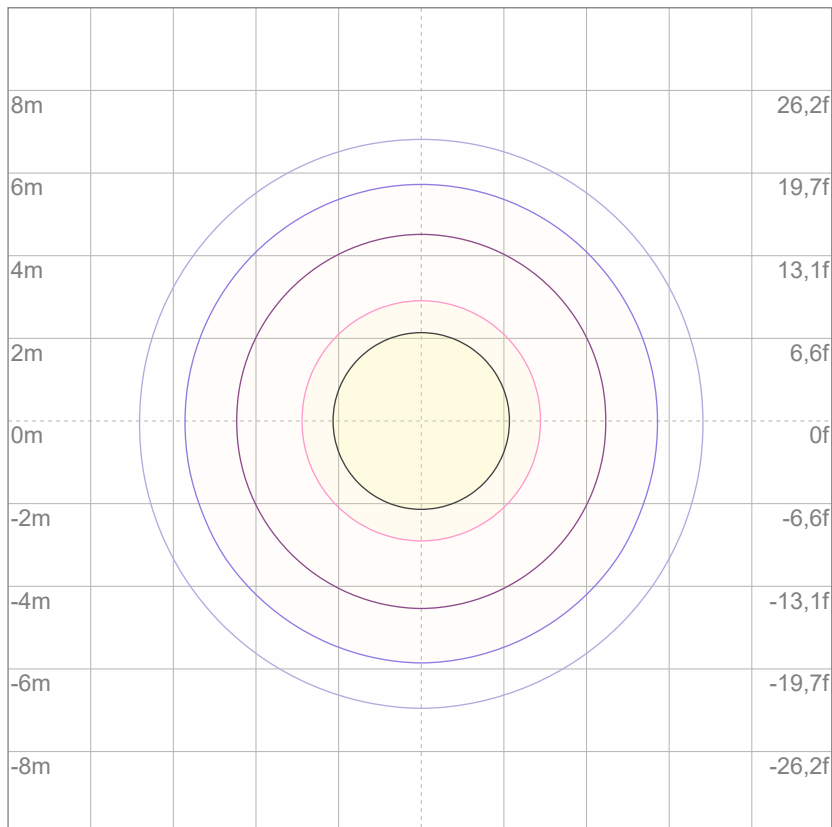
10%	5466 cd
20%	10932 cd
30%	16398 cd
40%	21864 cd
50%	27330 cd
60%	32796 cd
70%	38262 cd
80%	43727 cd

Conditions:

Number of c-planes: 4

Candela at center: 54659 cd

ISO LUX DIAGRAM



3%	16,4 lx
5%	27,3 lx
10%	54,7 lx
30%	164 lx
50%	273 lx

Conditions:

Number of c-planes: 4

Lux at center: 547 lx

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



Total lumen output:

13308 lm

Peak candela output:

33682 cd

Light quality:

CRI: 83,2

Color temperature:

7037 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°Filter

Target:

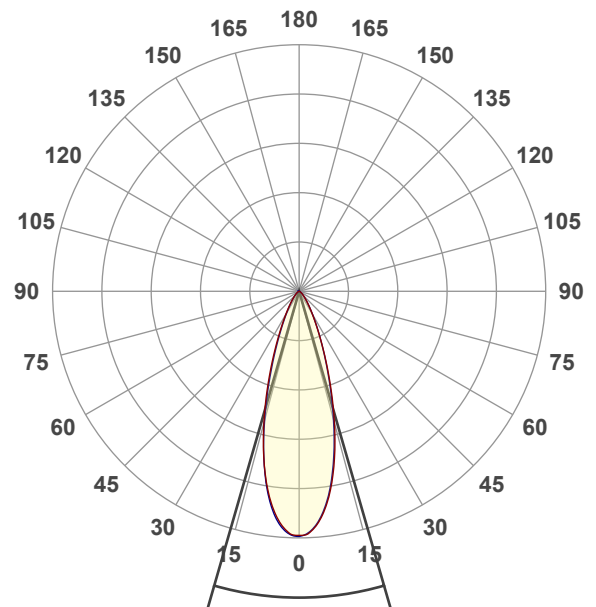
Cold White

Operator:

Nicola Savarese

Date and time:

18/07/2022 10:52:26

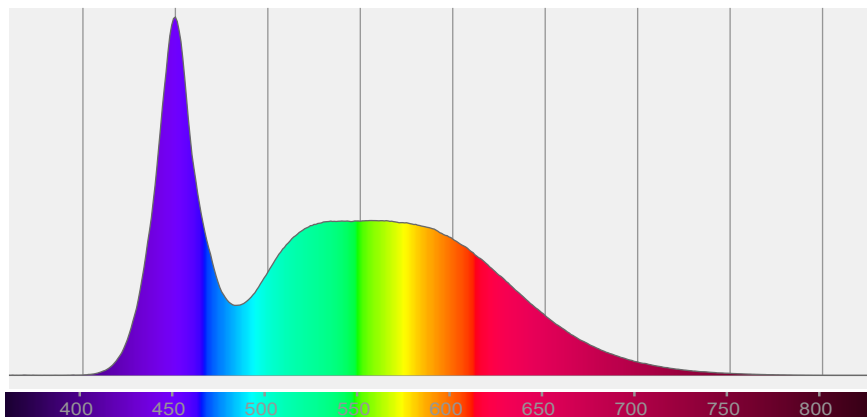


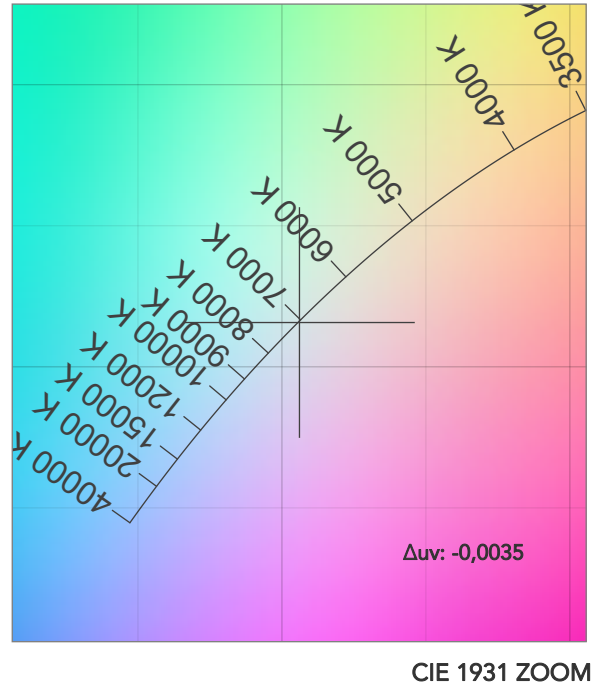
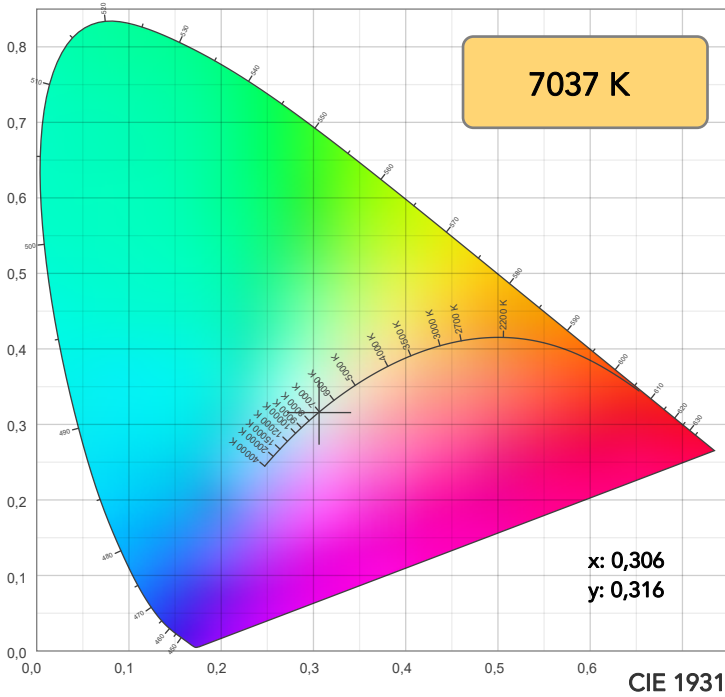
Beam angle 50%: 32,2°

Field angle 10%: 61,3°

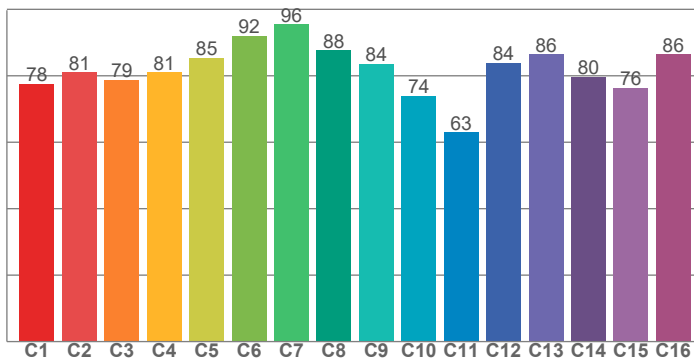
Cut off angle 2.5%: 88,6°

Spectra

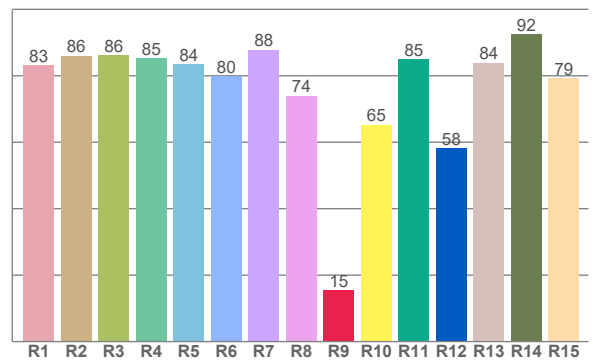




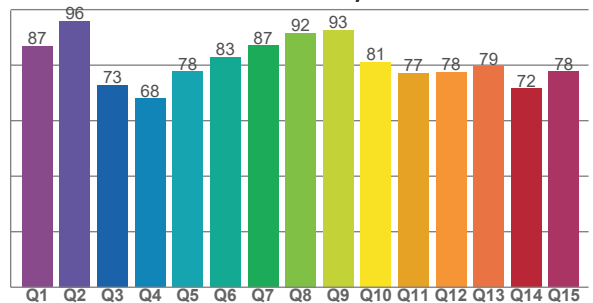
TM30: 82,1



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
83,1	86,1	86,2	85,2	83,5	79,8	87,8	74,0	15,5	65,3	85,0	58,2	83,9	92,4	79,2

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
77,5	81,0	78,9	81,0	85,4	92,1	95,5	87,7	83,5	74,0	63,0	83,8	86,4	79,7	76,3	86,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,8	95,8	72,7	68,0	77,7	82,8	87,1	91,5	92,7	81,2	77,1	77,5	79,5	71,5	77,7

COLOR PARAMETERS

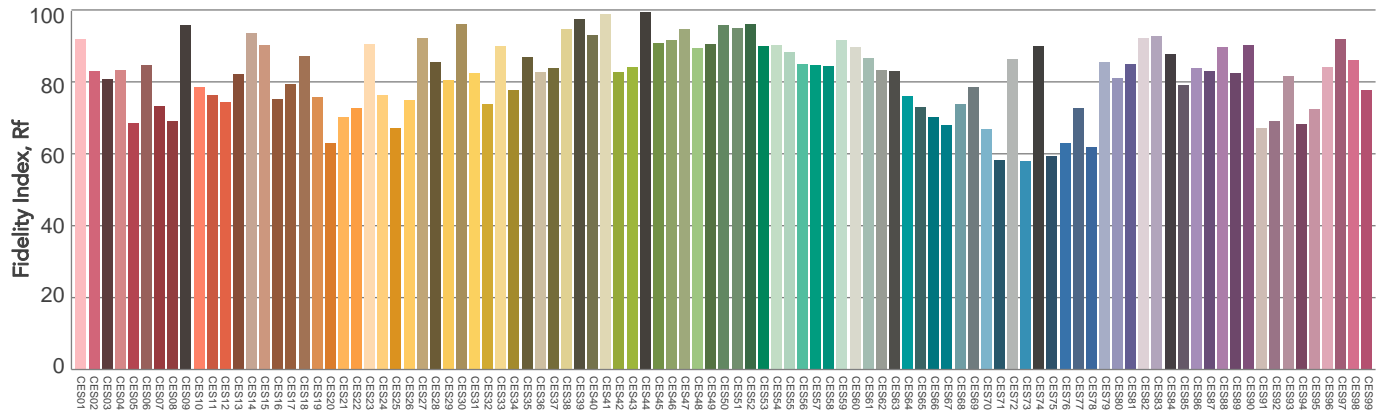
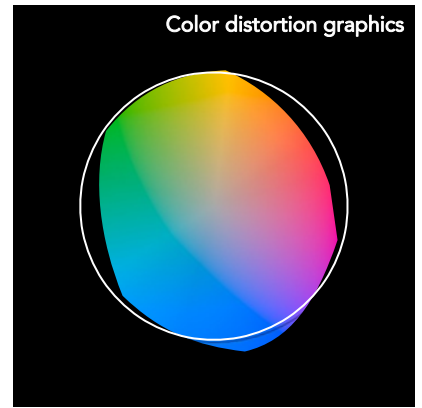
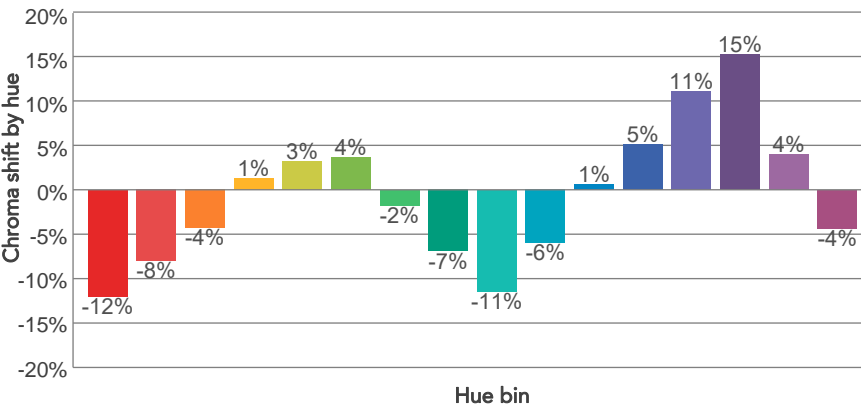
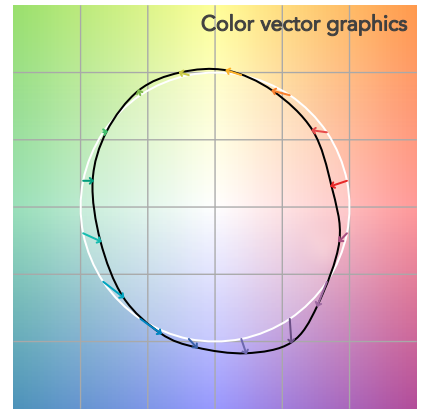
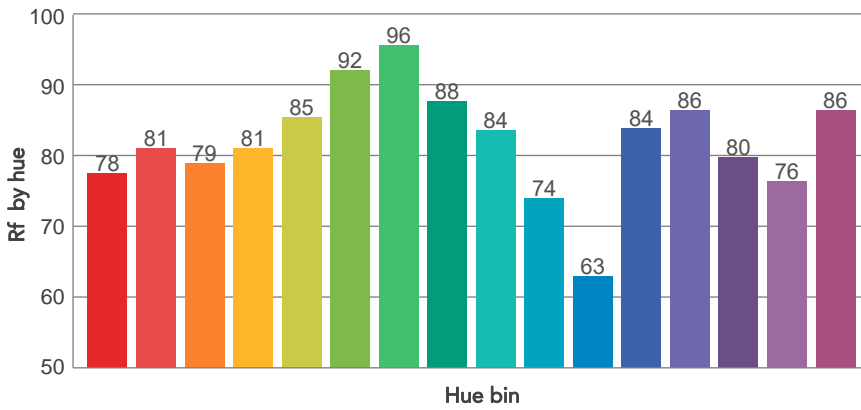
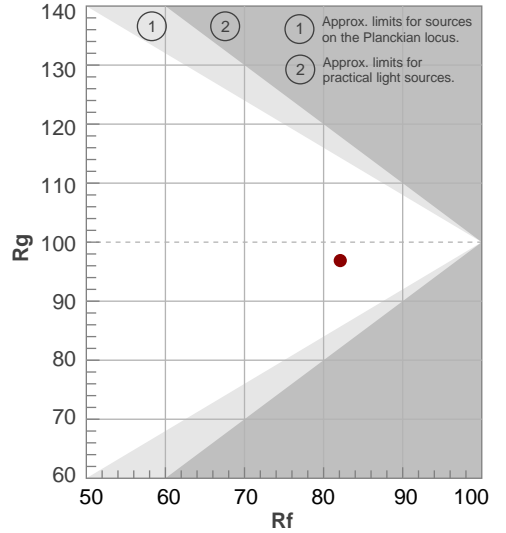
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7037 K	83,2	15,5	82,1	96,9	79,7	70	0,306	0,316	-0,0035

TM30 DETAILS

Rf 82,1
Fidelity index Rf

Rg 96,9
Gammut index

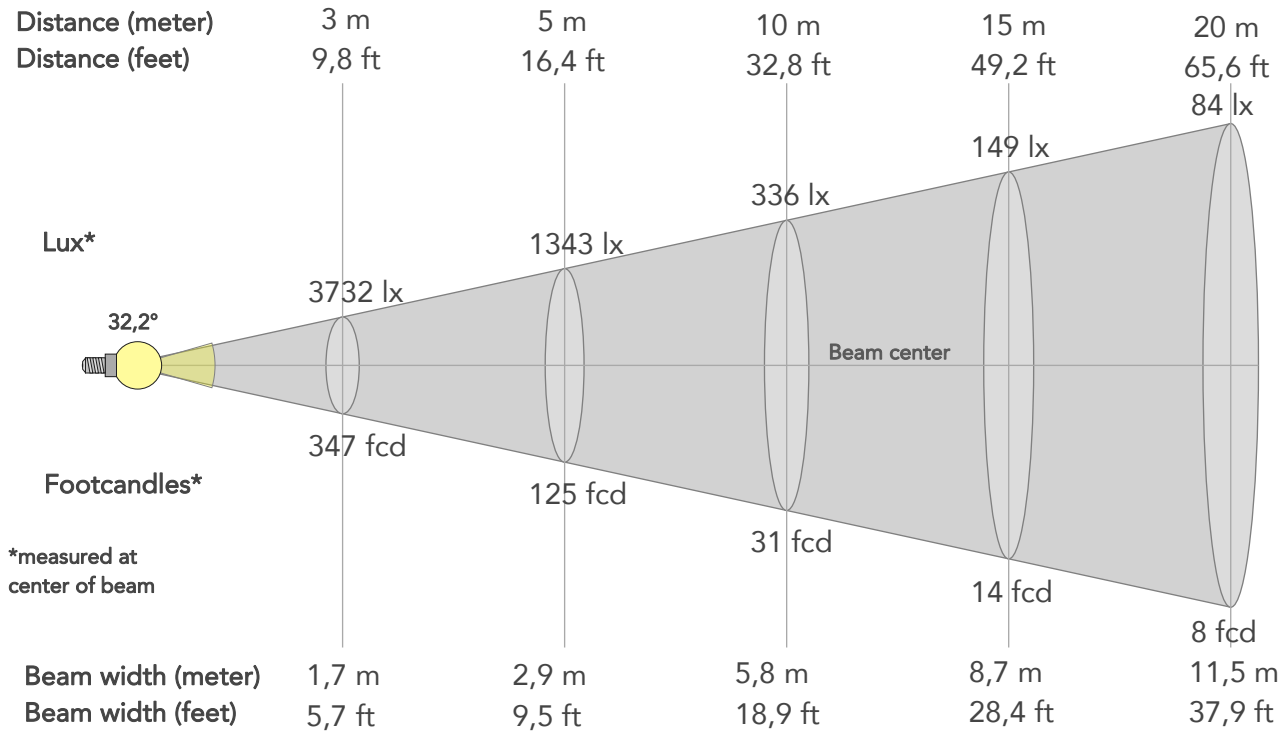
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-2%
2	81	-8%	7%
3	79	-4%	12%
4	81	1%	11%
5	85	3%	6%
6	92	4%	-1%
7	96	-2%	-2%
8	88	-7%	-1%
9	84	-11%	8%
10	74	-6%	19%
12	84	5%	7%
13	86	11%	1%
14	80	15%	-9%
15	76	4%	-19%
16	86	-4%	-7%



BEAM DETAILS



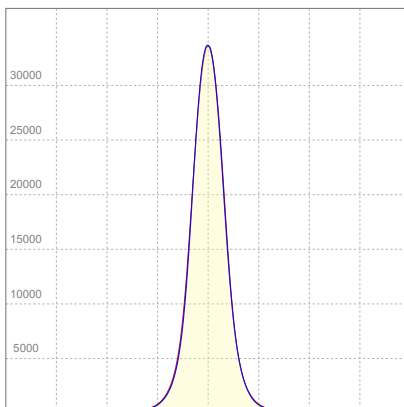
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,2°	61,3°	88,6°	99,1%	94,8%



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	33584lx	8396lx	3732lx	2099lx	1343lx	597lx	336lx	149lx	84lx	54lx	37lx	21lx	13lx
Footcand.	3120fcd	780fcd	347fcd	195fcd	125fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,6m	1,2m	1,7m	2,3m	2,9m	4,3m	5,8m	8,7m	11,5m	14,4m	17,3m	23,1m	28,8m
Beam wid.	1,9ft	3,8ft	5,7ft	7,6ft	9,5ft	14,2ft	18,9ft	28,4ft	37,9ft	47,3ft	56,8ft	75,7ft	94,6ft

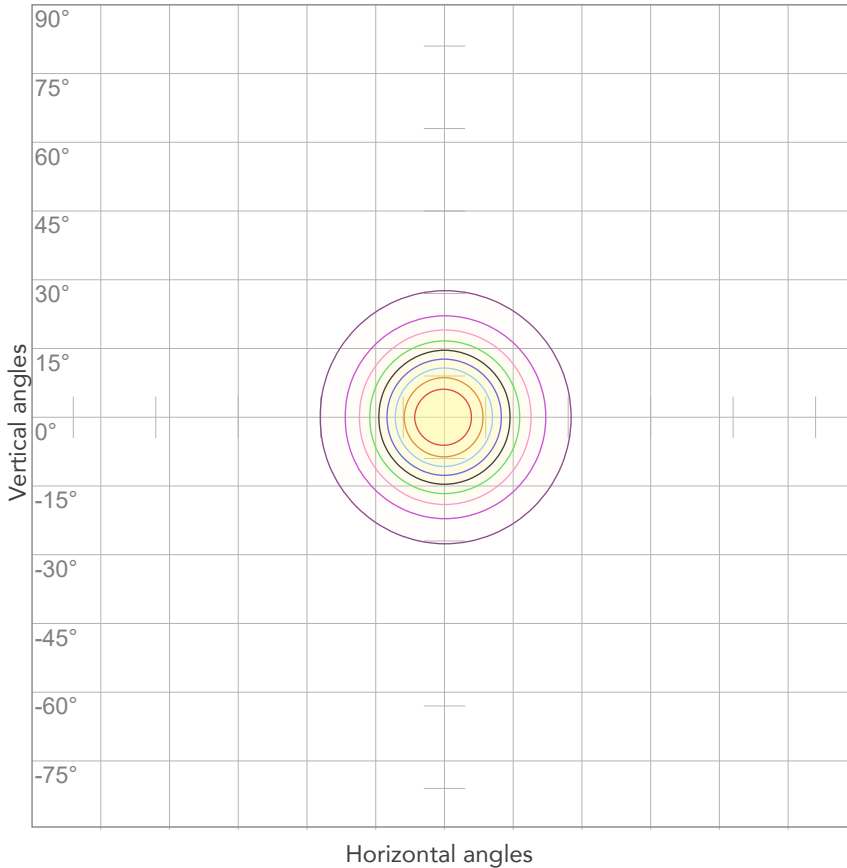
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,08A	217,9W	61lm/W

ISO CANDELA DIAGRAM



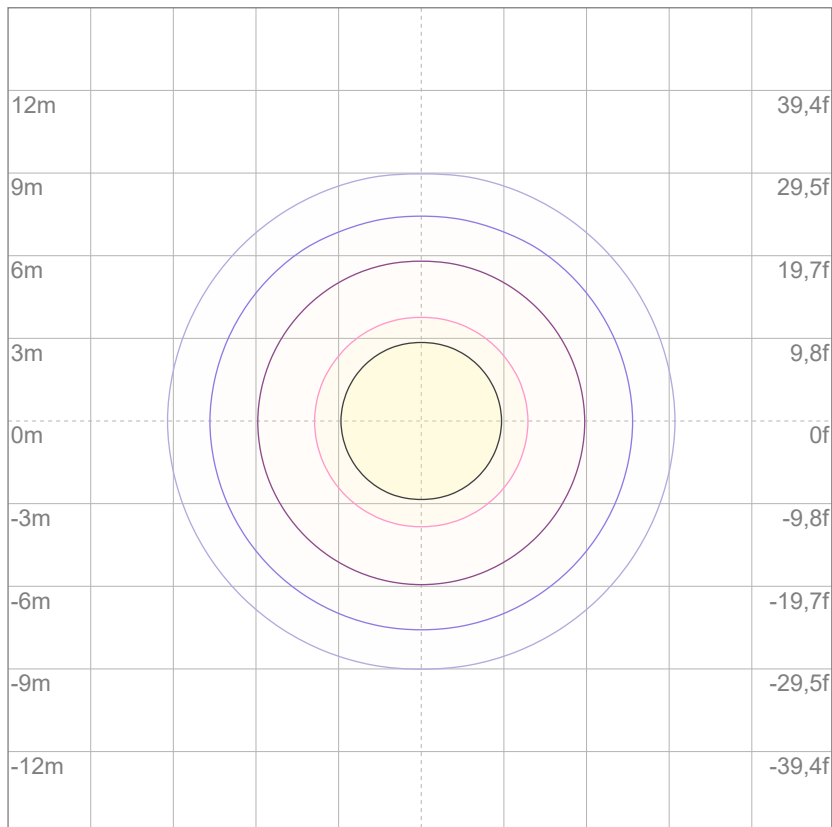
10%	3358 cd
20%	6717 cd
30%	10075 cd
40%	13434 cd
50%	16792 cd
60%	20150 cd
70%	23509 cd
80%	26867 cd

Conditions:

Number of c-planes: 4

Candela at center: 33584 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	10,1 lx
5%	16,8 lx
10%	33,6 lx
30%	101 lx
50%	168 lx

Conditions:

Number of c-planes: 4

Lux at center: 336 lx

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



Total lumen output:

13344 lm

Peak candela output:

17785 cd

Light quality:

CRI: 83,4

Color temperature:

7091 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 40°Filter

Target:

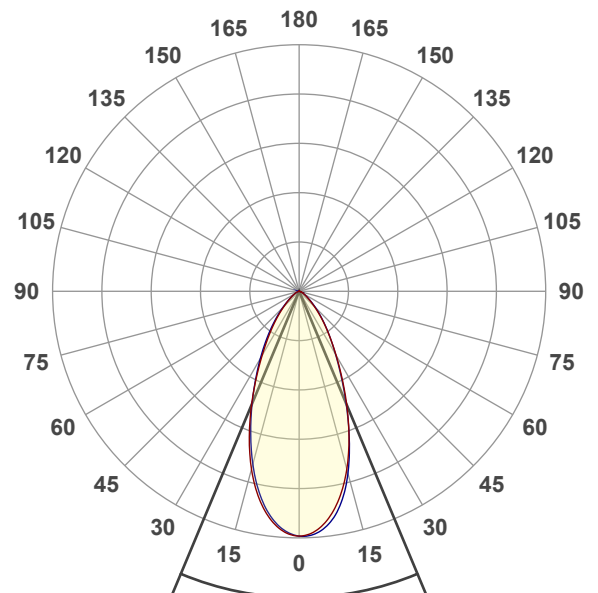
Cold White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:03:41

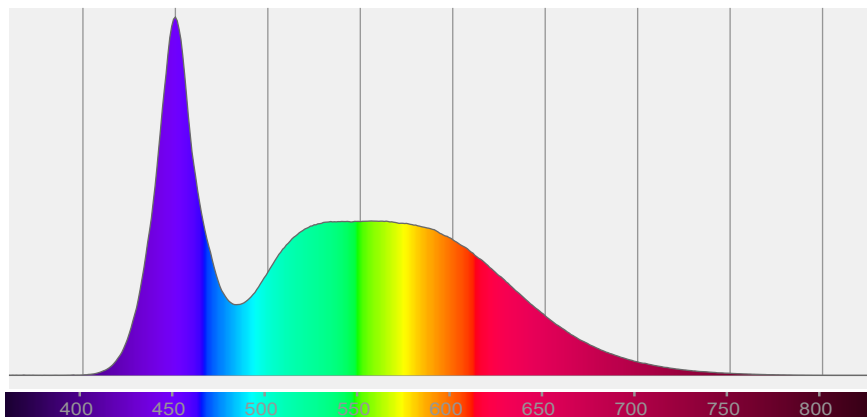


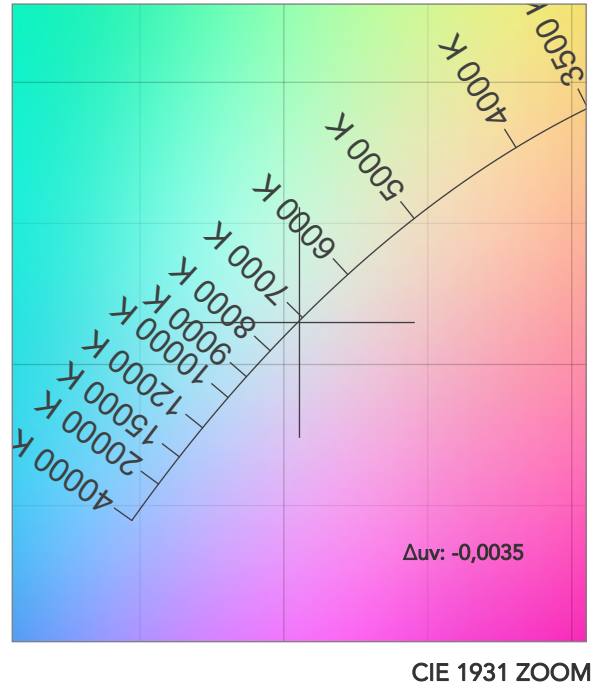
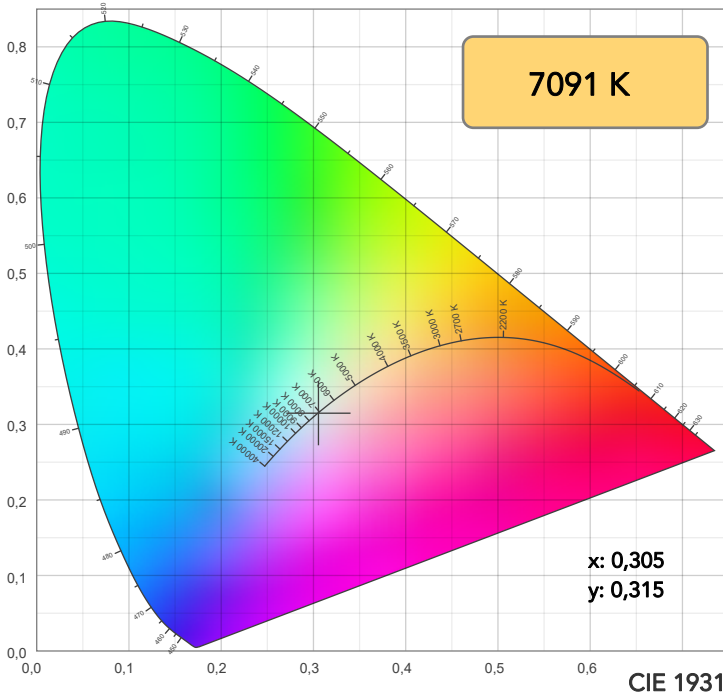
Beam angle 50%: 45,4°

Field angle 10%: 88,2°

Cut off angle 2.5%: 117,8°

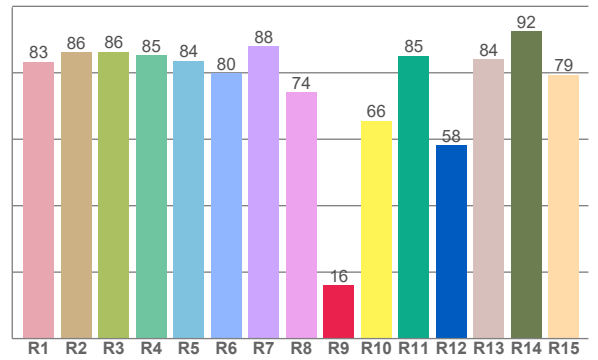
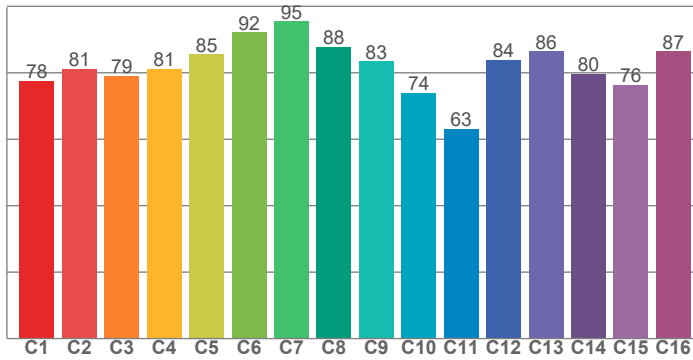
Spectra





TM30: 82,2

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
83,3	86,2	86,3	85,4	83,6	79,9	88,0	74,2	16,2	65,6	85,1	58,2	84,1	92,5	79,4

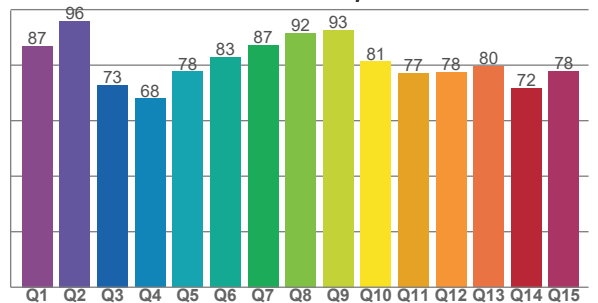
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,6	81,1	79,0	81,2	85,5	92,2	95,5	87,7	83,5	74,0	63,1	83,9	86,5	79,7	76,4	86,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,9	95,9	72,9	67,9	77,7	82,8	87,2	91,6	92,7	81,3	77,2	77,6	79,6	71,7	77,8

CQS: 79,8



COLOR PARAMETERS

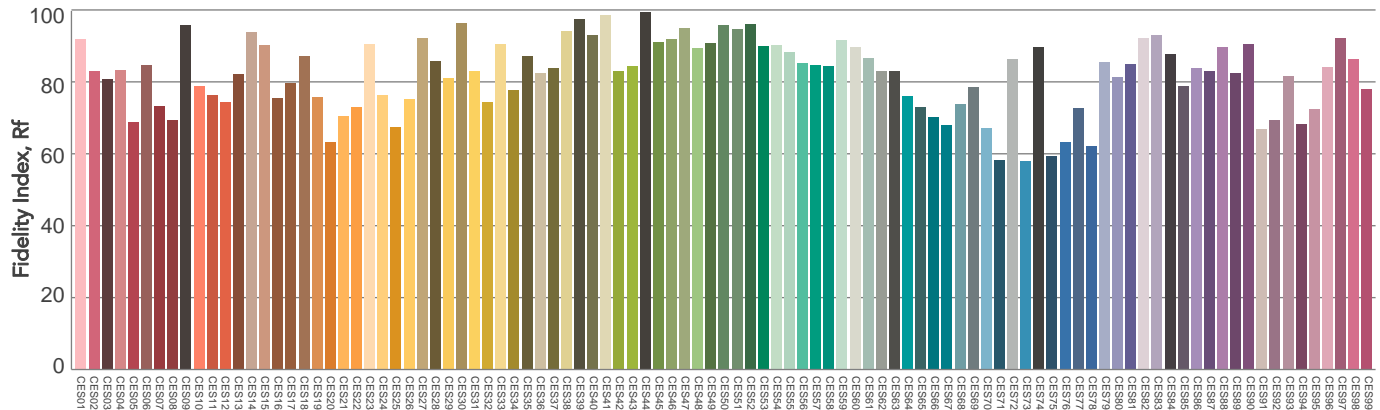
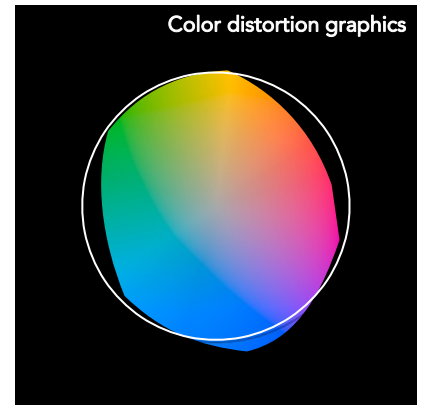
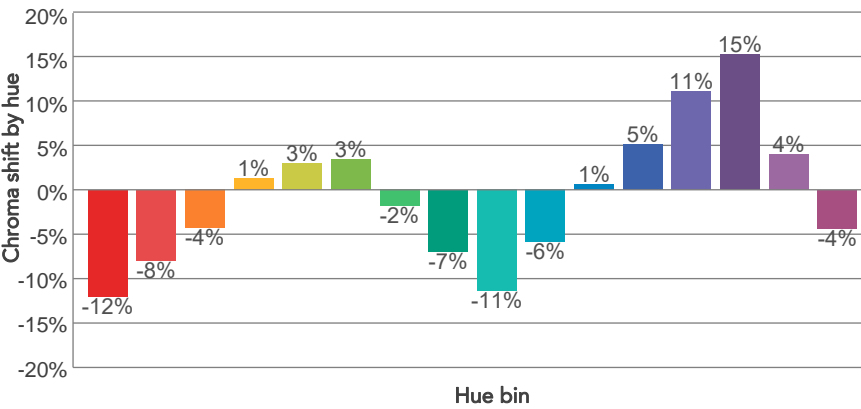
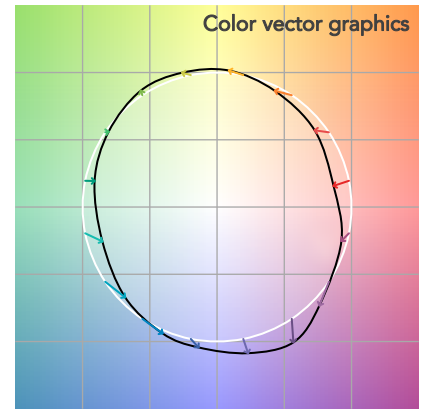
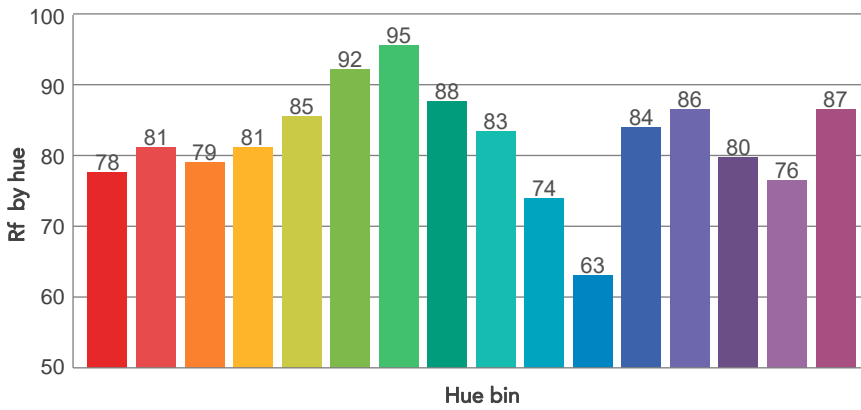
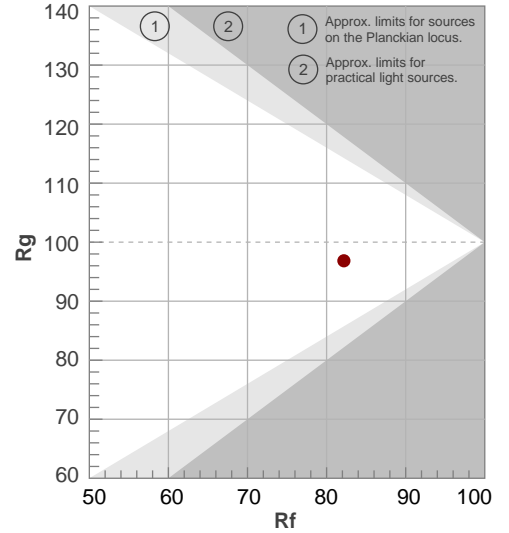
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7091 K	83,4	16,2	82,2	96,8	79,8	71	0,305	0,315	-0,0035

TM30 DETAILS

Rf 82,2
Fidelity index Rf

Rg 96,8
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	95	-2%	-2%
8	88	-7%	-1%
9	83	-11%	8%
10	74	-6%	18%
11	63	1%	19%
12	84	5%	7%
13	86	11%	1%
14	80	15%	-9%
15	76	4%	-19%
16	87	-4%	-7%

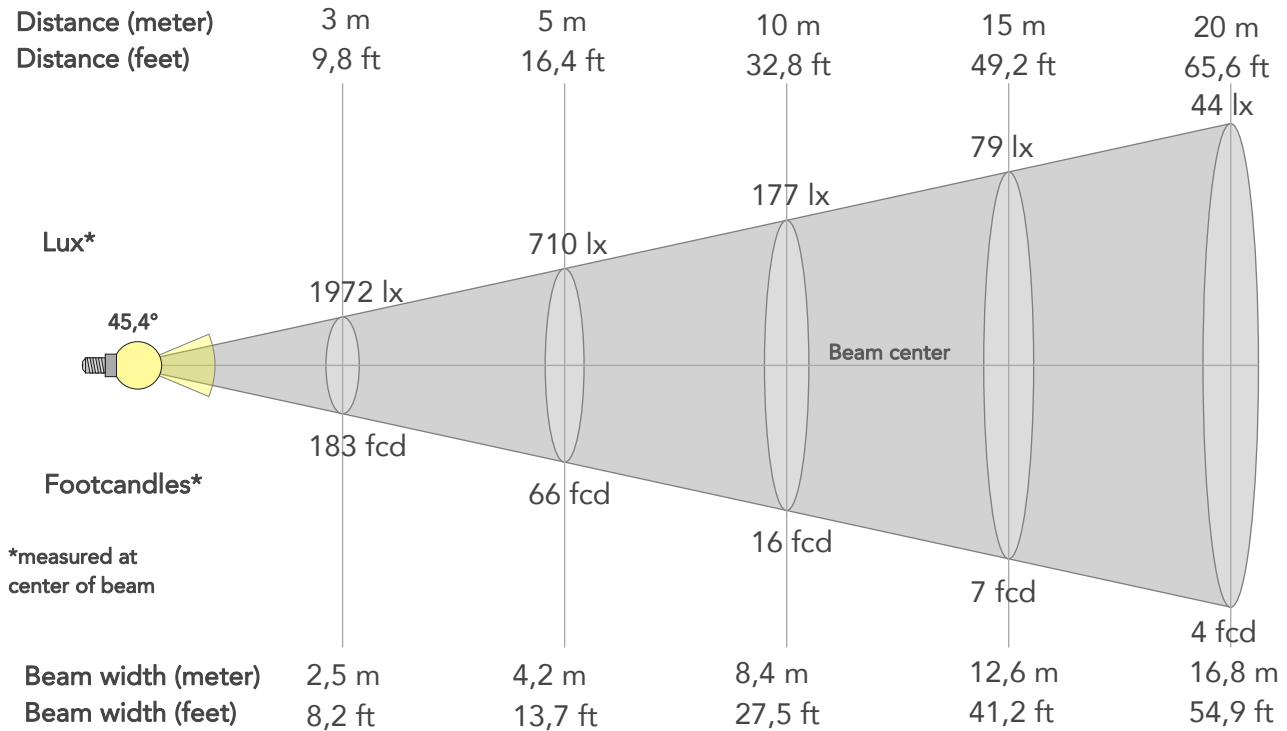


Color Evaluation Sample

BEAM DETAILS



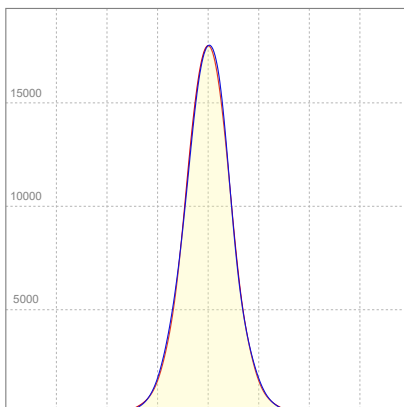
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,4°	88,2°	117,8°	97,7%	89,3%



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	17747lx	4437lx	1972lx	1109lx	710lx	315lx	177lx	79lx	44lx	28lx	20lx	11lx	7lx
Footcand.	1649fcd	412fcd	183fcd	103fcd	66fcd	29fcd	16fcd	7fcd	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	20,9m	25,1m	33,5m	41,9m
Beam wid.	2,8ft	5,5ft	8,2ft	11ft	13,7ft	20,6ft	27,5ft	41,2ft	54,9ft	68,7ft	82,4ft	109,9ft	137,4ft

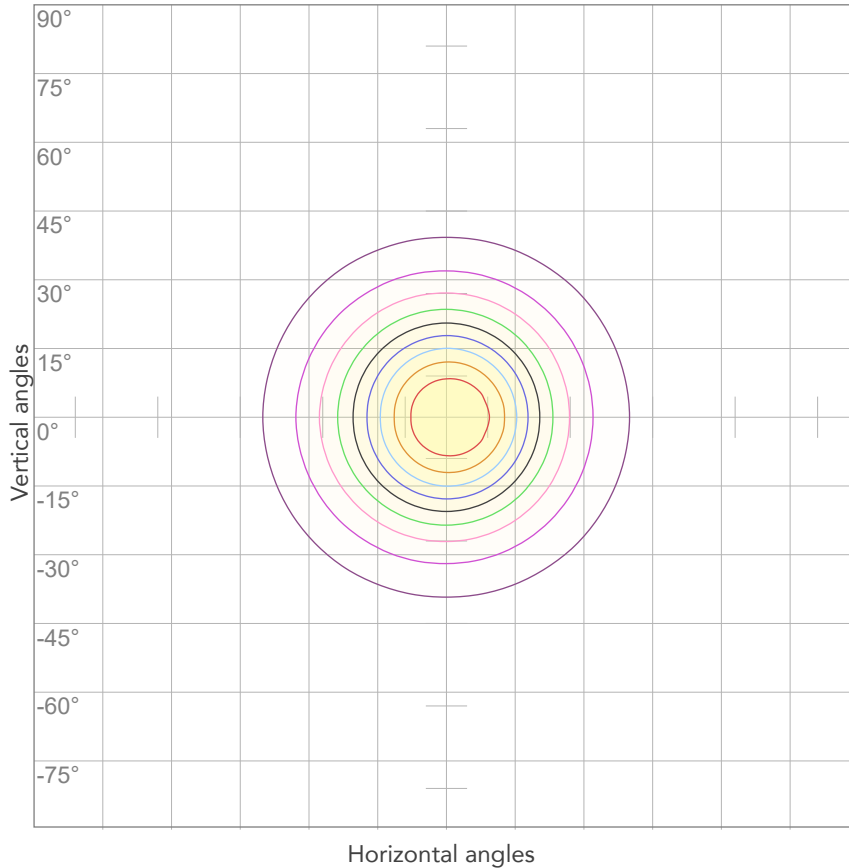
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	217,3W	61lm/W

ISO CANDELA DIAGRAM



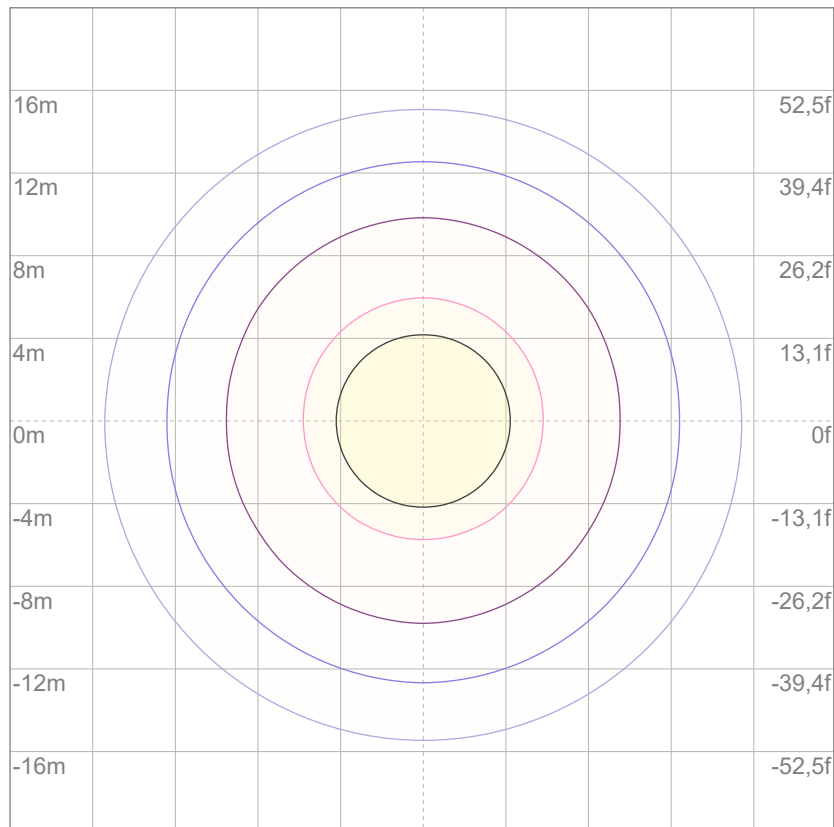
10%	1775 cd
20%	3549 cd
30%	5324 cd
40%	7099 cd
50%	8873 cd
60%	10648 cd
70%	12423 cd
80%	14197 cd

Conditions:

Number of c-planes: 4

Candela at center: 17747 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	5,32 lx
5%	8,87 lx
10%	17,7 lx
30%	53,2 lx
50%	88,7 lx

Conditions:

Number of c-planes: 4

Lux at center: 177 lx

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



Total lumen output:

13138 lm

Peak candela output:

12304 cd

Light quality:

CRI: 83,4

Color temperature:

7088 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 60°Filter

Target:

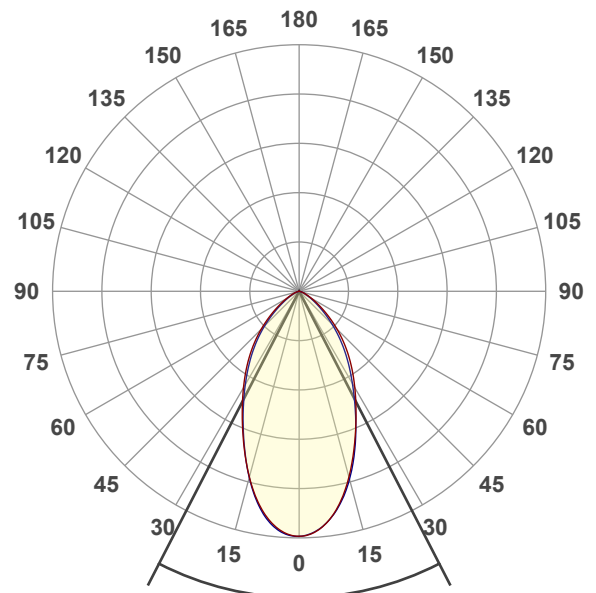
Cold White

Operator:

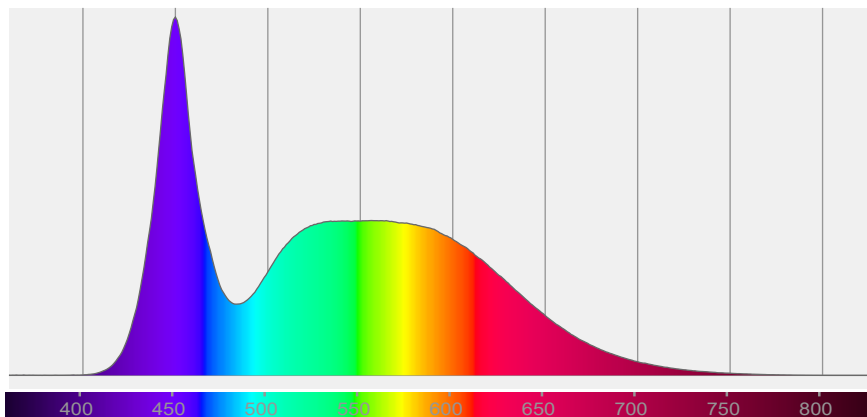
Nicola Savarese

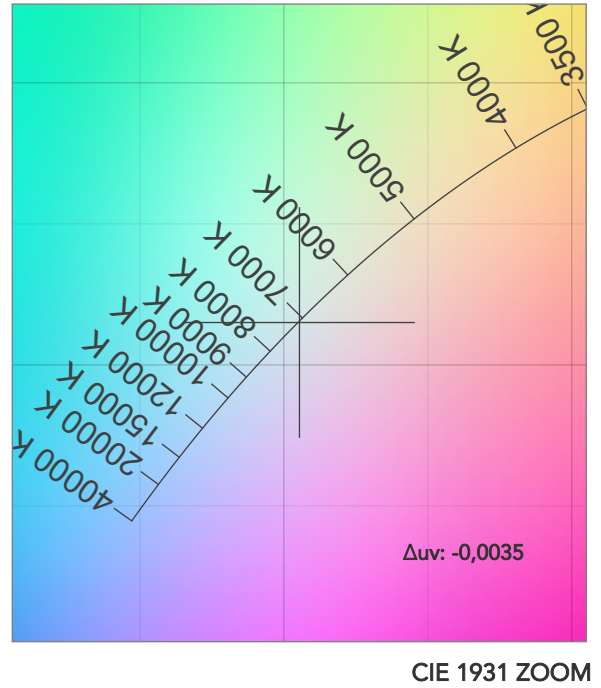
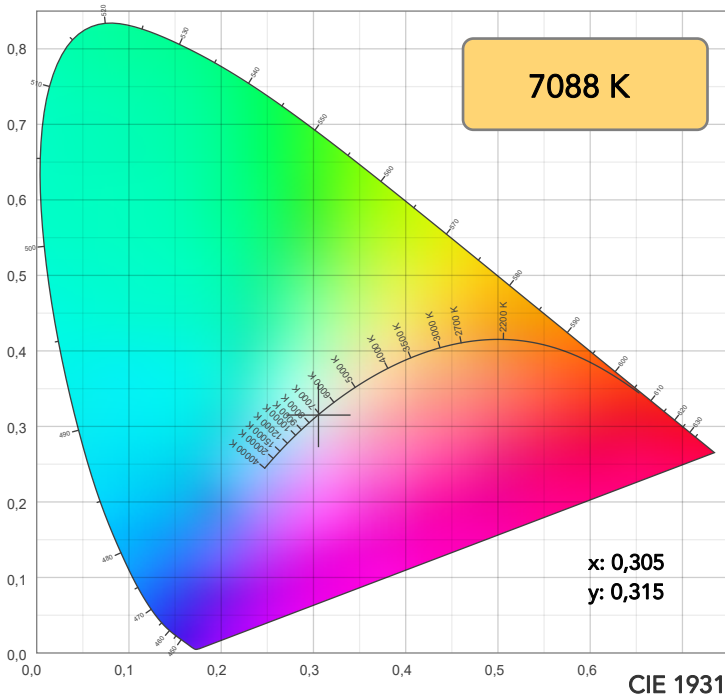
Date and time:

18/07/2022 11:14:37



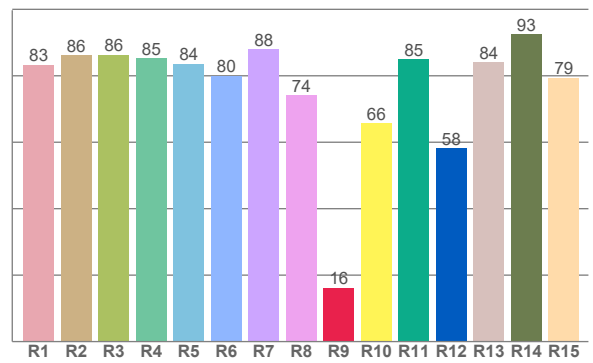
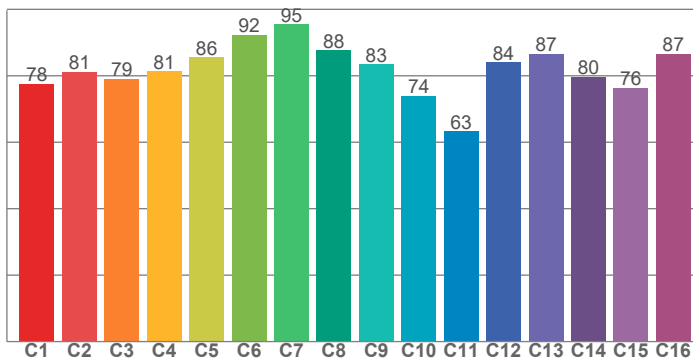
Spectra





TM30: 82,2

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
83,3	86,3	86,4	85,4	83,6	80,0	88,0	74,2	16,2	65,7	85,1	58,2	84,2	92,5	79,4

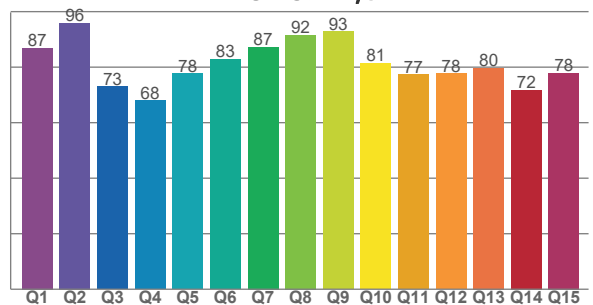
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,6	81,1	79,1	81,3	85,6	92,3	95,5	87,7	83,4	74,0	63,3	84,1	86,5	79,7	76,4	86,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
86,9	96,0	73,0	68,0	77,7	82,8	87,2	91,6	92,8	81,4	77,3	77,7	79,6	71,7	77,8

CQS: 79,8



COLOR PARAMETERS

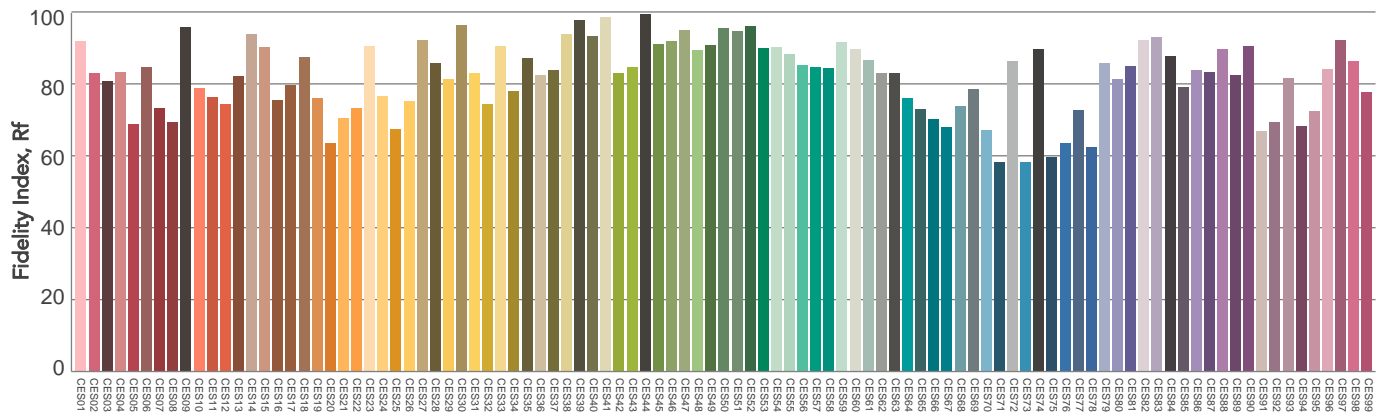
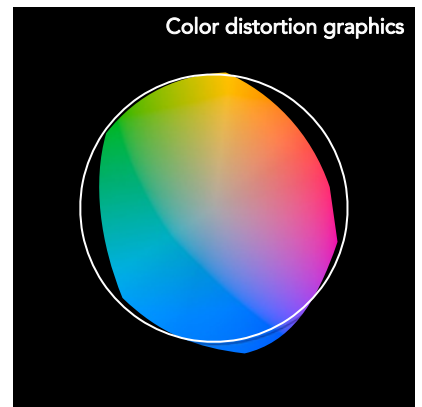
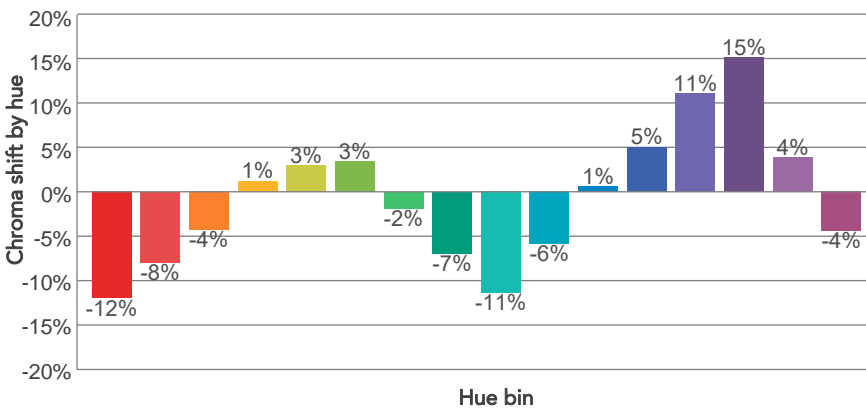
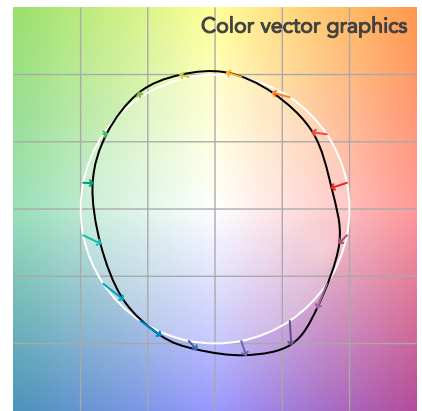
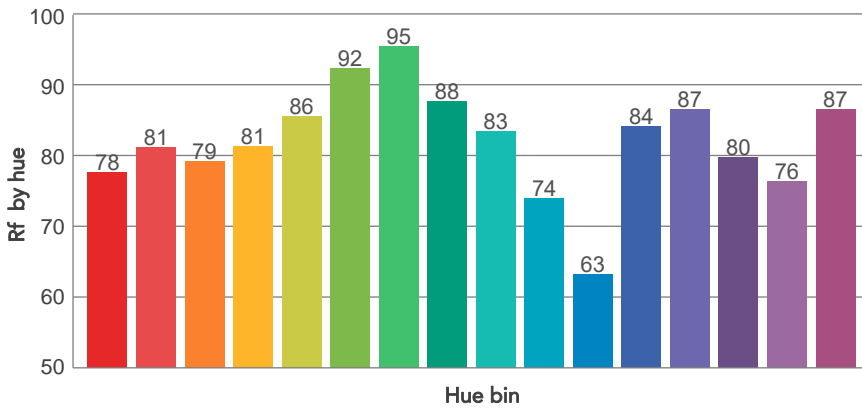
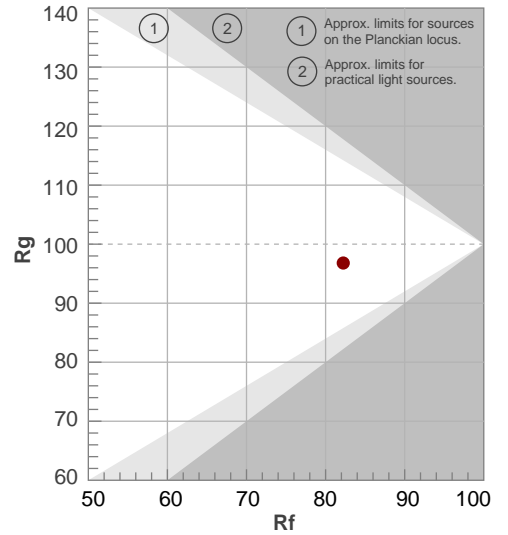
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7088 K	83,4	16,2	82,2	96,8	79,8	71	0,305	0,315	-0,0035

TM30 DETAILS

Rf 82,2
Fidelity index Rf

Rg 96,8
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	86	3%	6%
6	92	3%	-1%
7	95	-2%	-2%
8	88	-7%	-1%
9	83	-11%	9%
10	74	-6%	18%
11	63	1%	18%
12	84	5%	7%
13	87	11%	1%
14	80	15%	-9%
15	76	4%	-19%
16	87	-4%	-7%

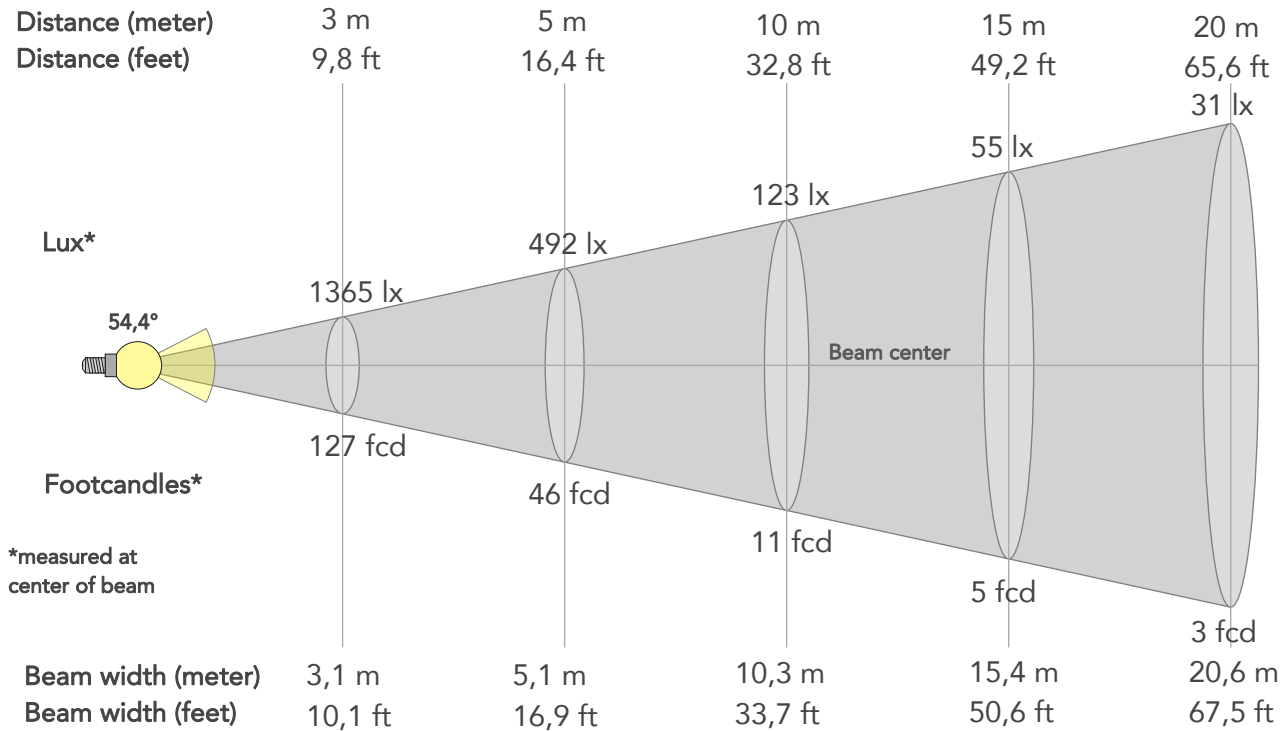


Color Evaluation Sample

BEAM DETAILS



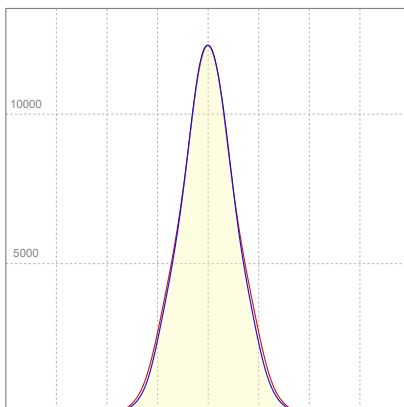
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
54,4°	107,6°	134,1°	96,1%	81,9%



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	12288lx	3072lx	1365lx	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.	1m	2,1m	3,1m	4,1m	5,1m	7,7m	10,3m	15,4m	20,6m	25,7m	30,9m	41,2m	51,4m
Beam wid.	3,4ft	6,8ft	10,1ft	13,5ft	16,9ft	25,3ft	33,7ft	50,6ft	67,5ft	84,4ft	101,2ft	135ft	168,7ft

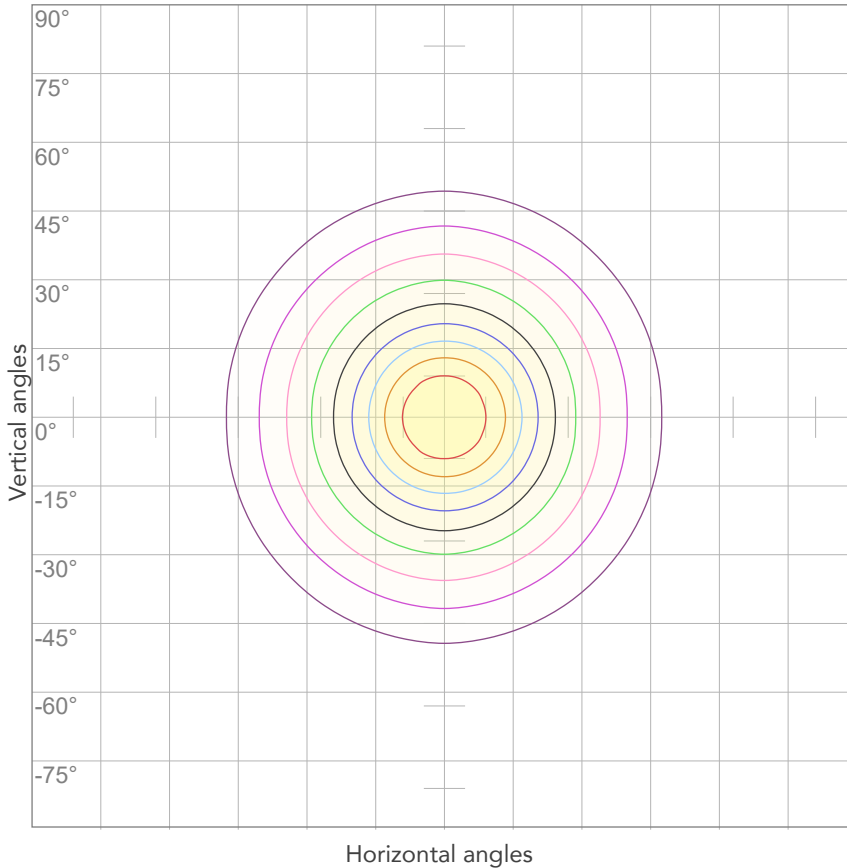
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	217W	61lm/W

ISO CANDELA DIAGRAM



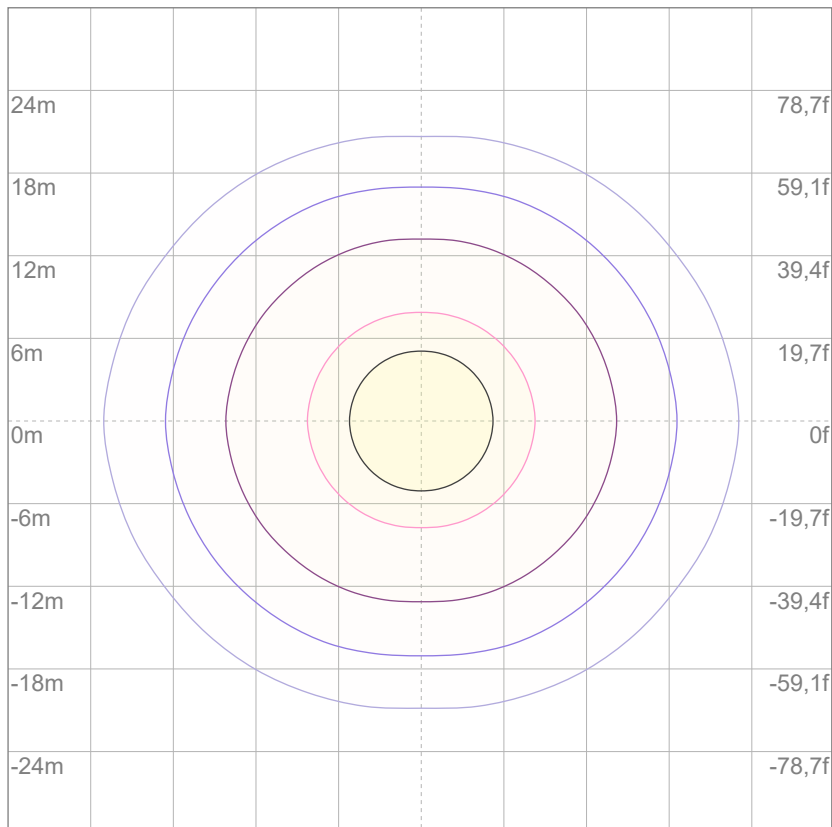
10%	1229 cd
20%	2458 cd
30%	3686 cd
40%	4915 cd
50%	6144 cd
60%	7373 cd
70%	8602 cd
80%	9831 cd

Conditions:

Number of c-planes: 4

Candela at center: 12288 cd

ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

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:

12724 lm

Peak candela output:

8004 cd

Light quality:

CRI: 83,5

Color temperature:

7119 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 80°Filter

Target:

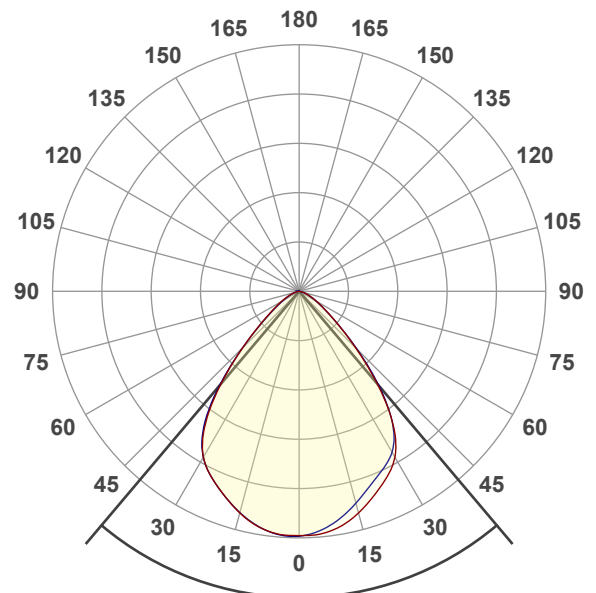
Cold White

Operator:

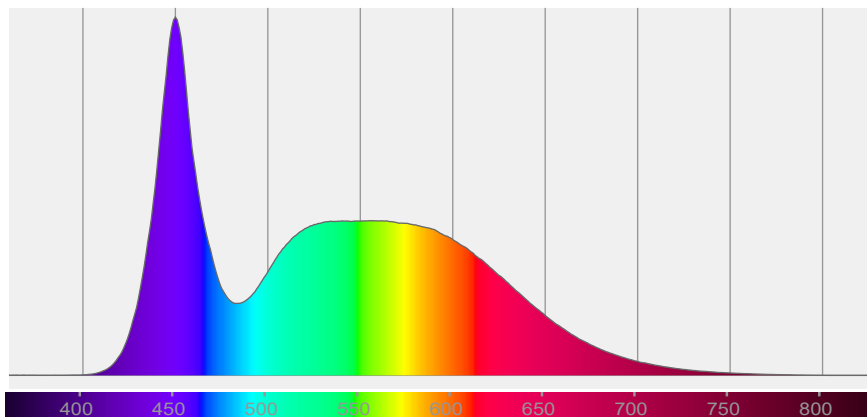
Nicola Savarese

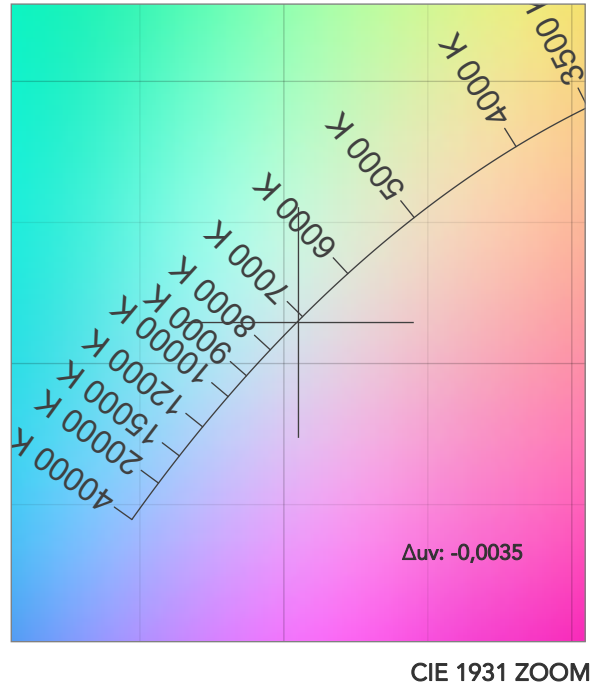
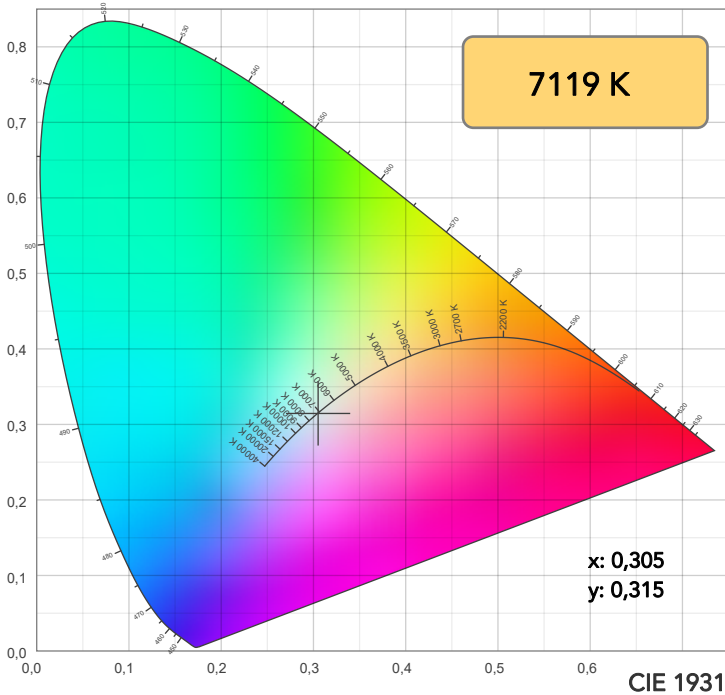
Date and time:

18/07/2022 11:25:40

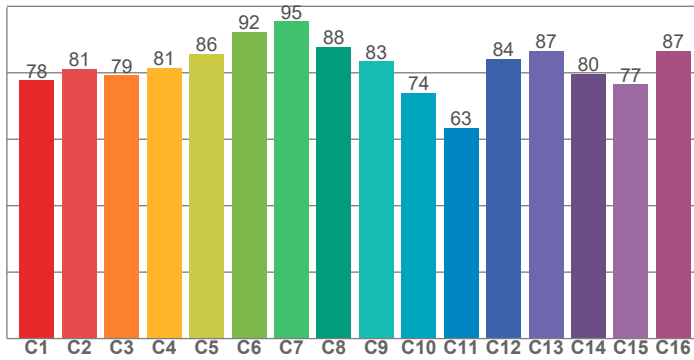


Spectra

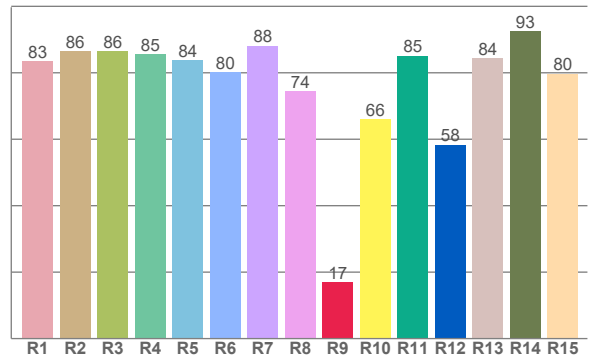




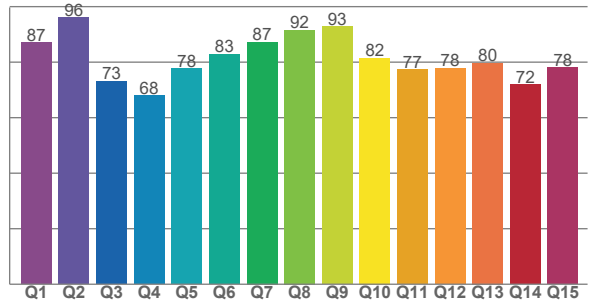
TM30: 82,3



CRI: 83,5 (R1-R8)



CQS: 79,9



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,5	86,4	86,5	85,5	83,8	80,1	88,1	74,4	16,9	66,0	85,2	58,3	84,3	92,6	79,7

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
77,7	81,3	79,3	81,5	85,7	92,4	95,4	87,7	83,4	74,0	63,5	84,2	86,6	79,8	76,5	86,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,0	96,0	73,1	68,0	77,6	82,8	87,3	91,6	92,8	81,5	77,4	77,8	79,7	71,9	78,0

COLOR PARAMETERS

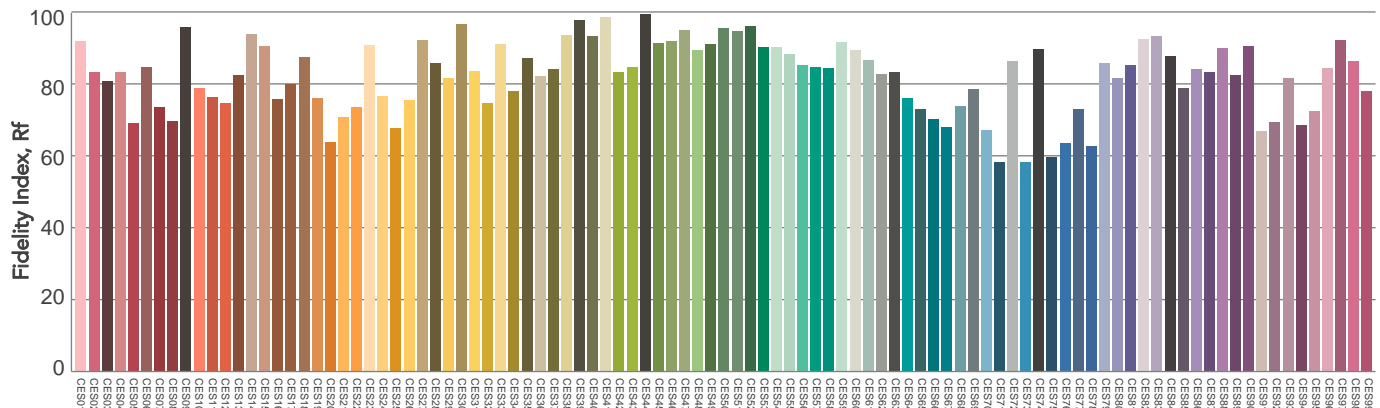
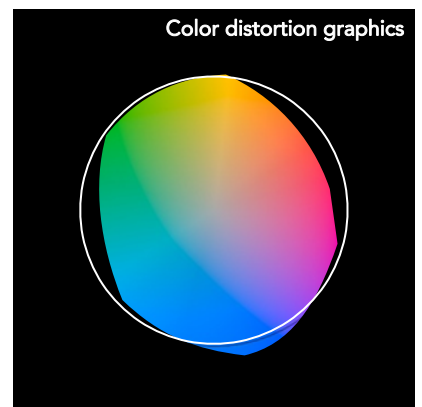
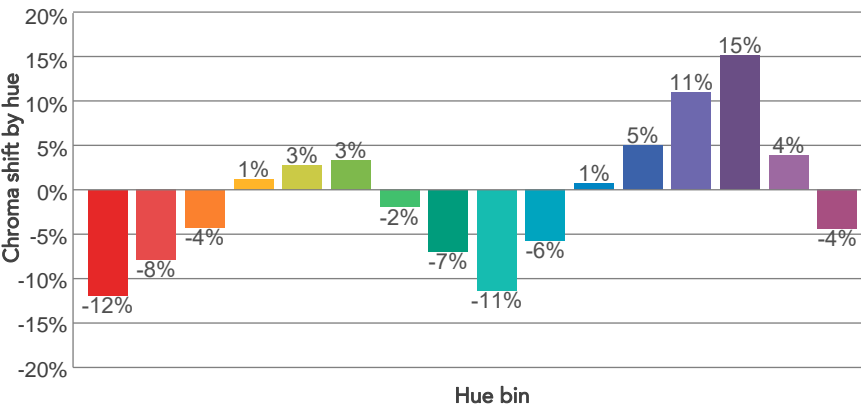
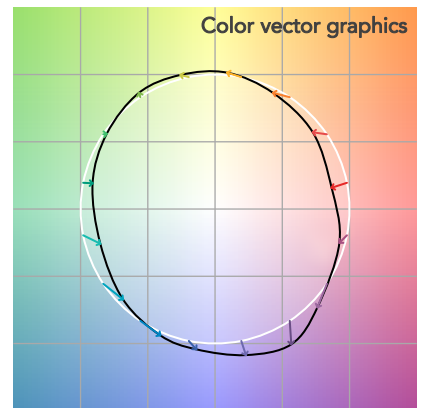
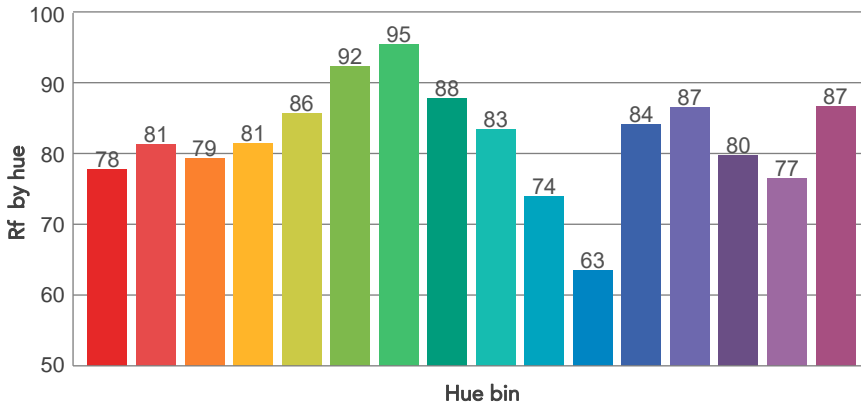
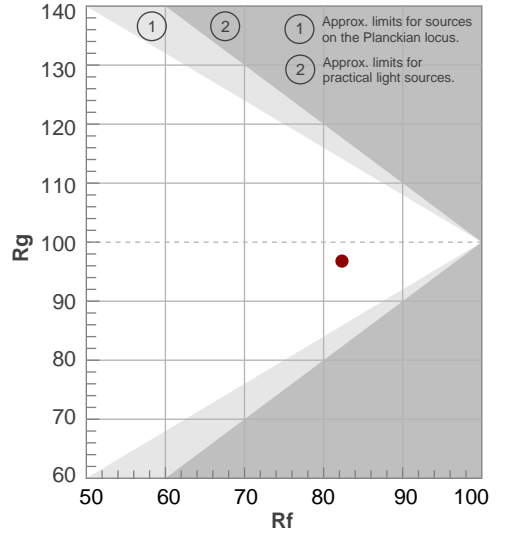
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7119 K	83,5	16,9	82,3	96,8	79,9	71	0,305	0,315	-0,0035

TM30 DETAILS

Rf 82,3
Fidelity index Rf

Rg 96,8
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	86	3%	6%
6	92	3%	-1%
7	95	-2%	-2%
8	88	-7%	-1%
9	83	-11%	9%
10	74	-6%	18%
11	63	1%	18%
12	84	5%	7%
13	87	11%	1%
14	80	15%	-9%
15	77	4%	-18%
16	87	-4%	-7%

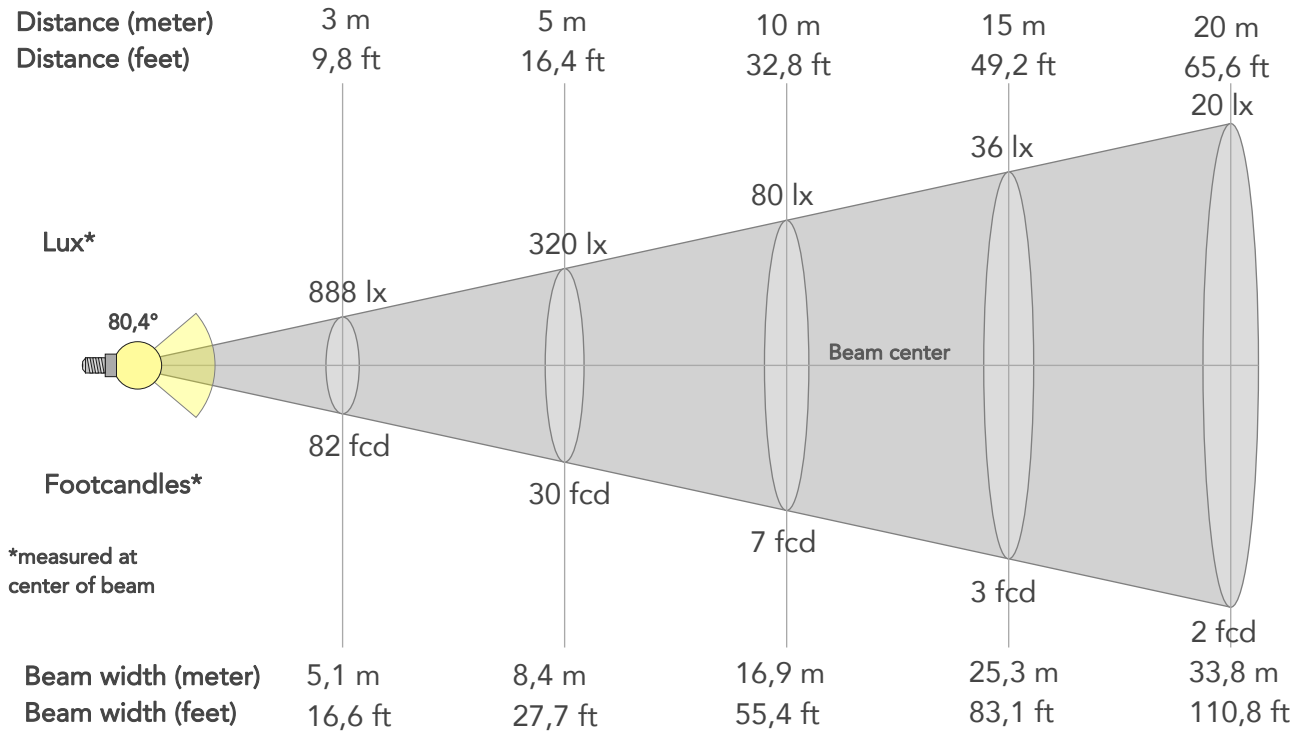


Color Evaluation Sample

BEAM DETAILS



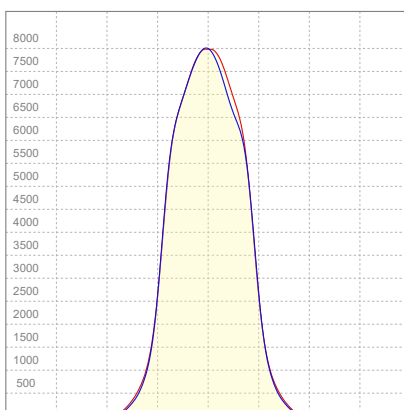
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
80,4°	114,8°	143,3°	95,6%	81,9%



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	7988lx	1997lx	888lx	499lx	320lx	142lx	80lx	36lx	20lx	13lx	9lx	5lx	3lx
Footcand.	742fcd	186fcd	82fcd	46fcd	30fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	1,7m	3,4m	5,1m	6,8m	8,4m	12,7m	16,9m	25,3m	33,8m	42,2m	50,7m	67,6m	84,5m
Beam wid.	5,6ft	11,1ft	16,6ft	22,1ft	27,7ft	41,6ft	55,4ft	83,1ft	110,8ft	138,5ft	166,2ft	221,6ft	277ft

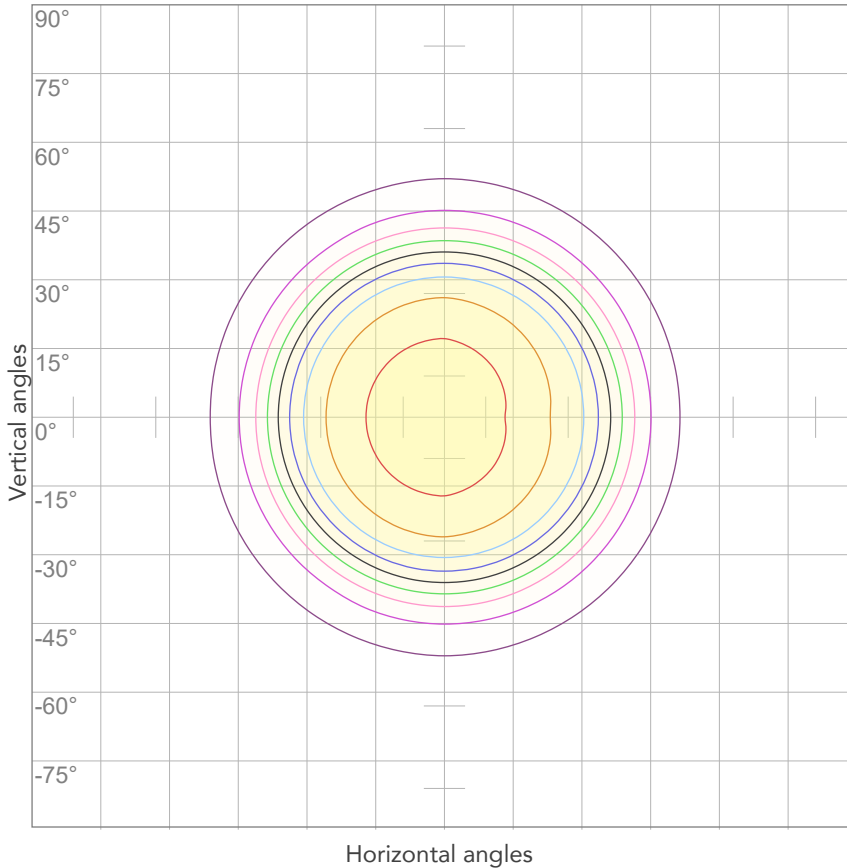
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	216,6W	59lm/W

ISO CANDELA DIAGRAM



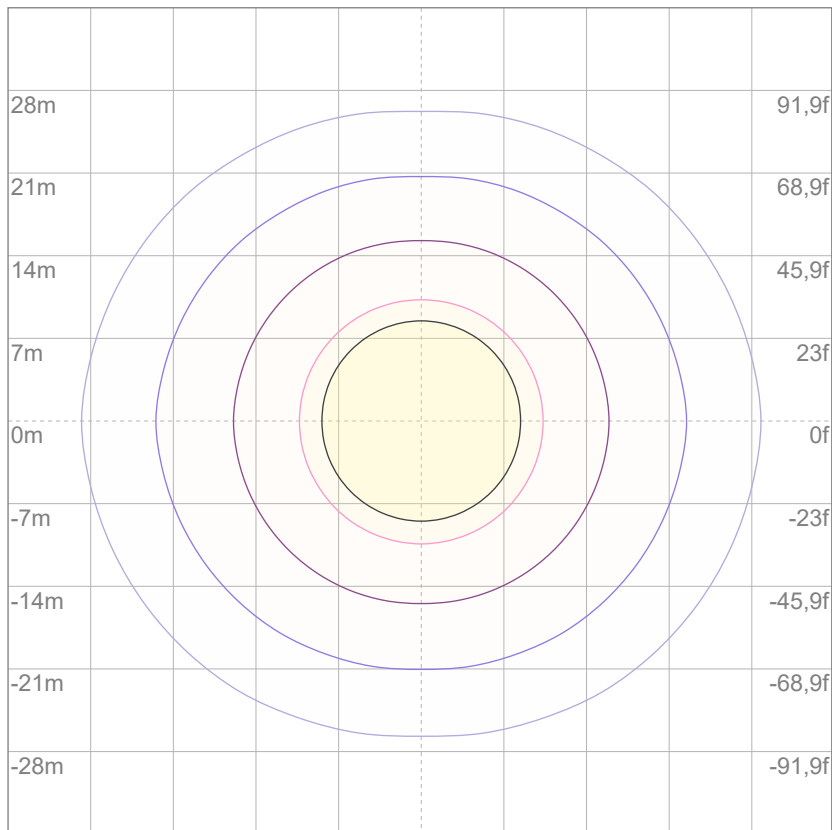
10%	799 cd
20%	1598 cd
30%	2396 cd
40%	3195 cd
50%	3994 cd
60%	4793 cd
70%	5591 cd
80%	6390 cd

Conditions:

Number of c-planes: 4

Candela at center: 7988 cd

ISO LUX DIAGRAM



3%	2,40 lx
5%	3,99 lx
10%	7,99 lx
30%	24,0 lx
50%	39,9 lx

Conditions:

Number of c-planes: 4

Lux at center: 79,9 lx

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

Mounting height: 10 meters (33 feet)



Total lumen output:

25326 lm

Peak candela output:

47163 cd

Light quality:

CRI: 83,7

Color temperature:

7062 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 10°x60°Filter

Target:

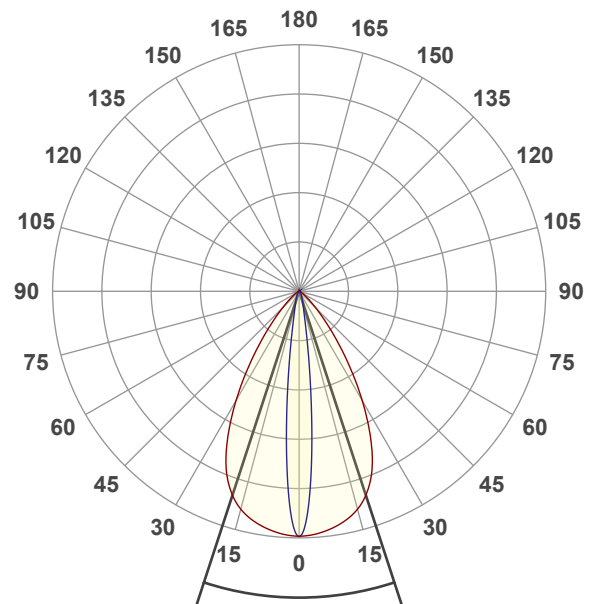
Cold White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:36:35

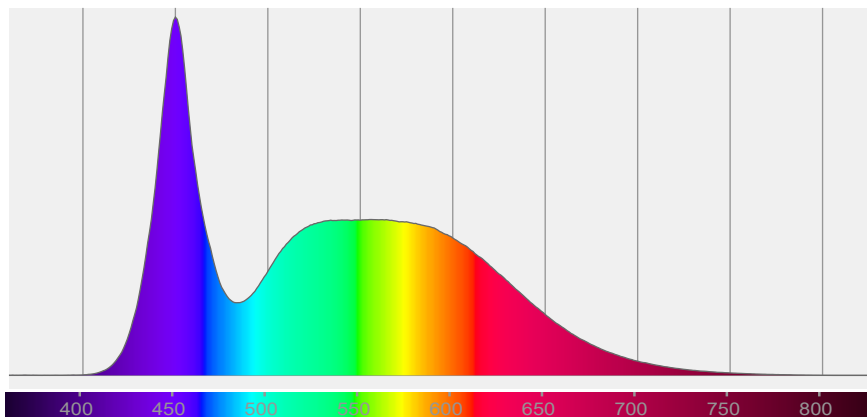


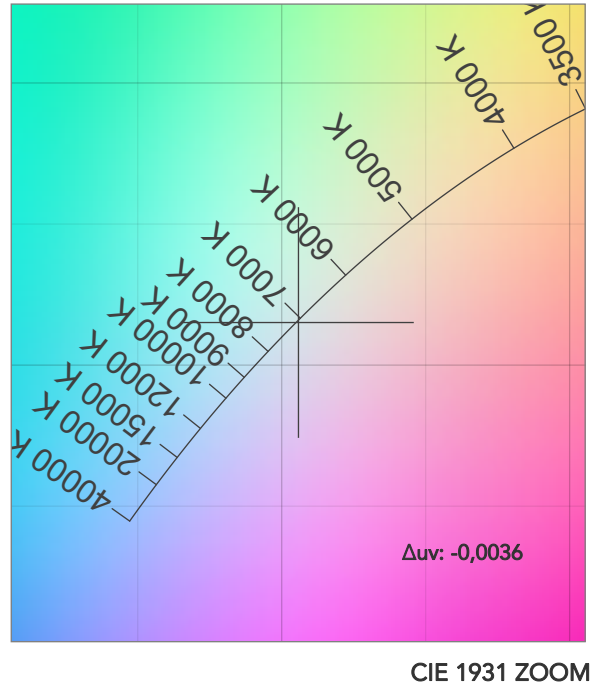
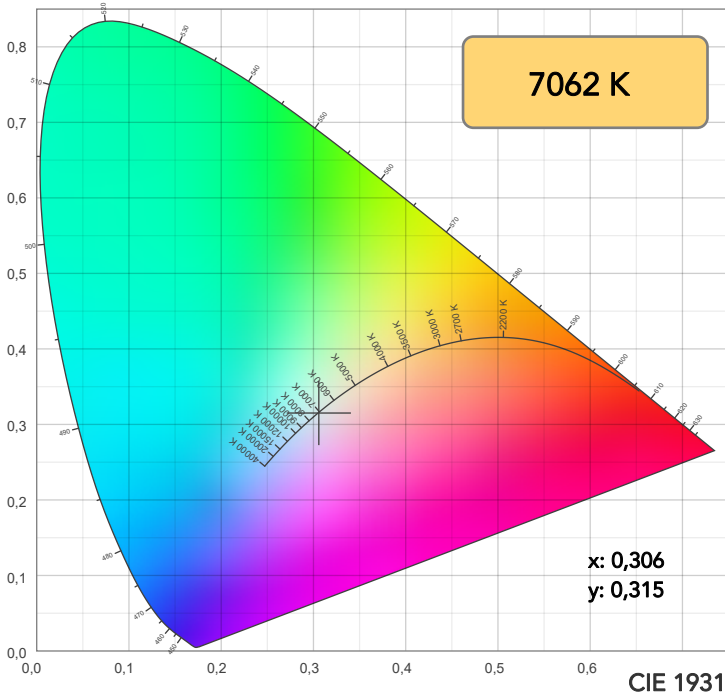
Beam angle 50%: 36,2°

Field angle 10%: 57,1°

Cut off angle 2.5%: 80,4°

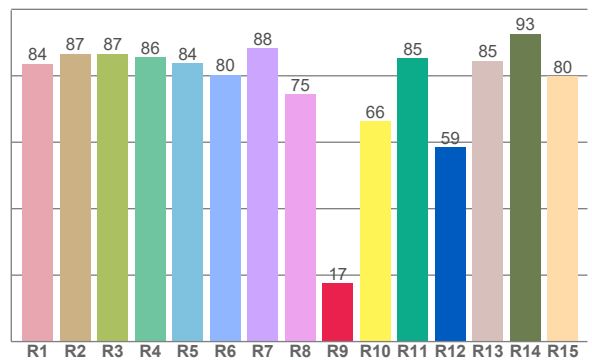
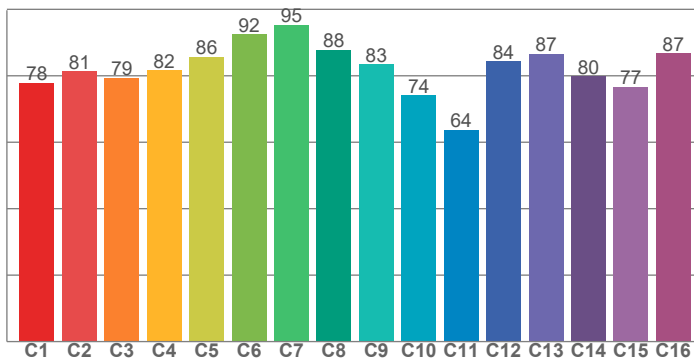
Spectra





TM30: 82,4

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
83,6	86,6	86,6	85,6	83,9	80,3	88,2	74,5	17,5	66,4	85,2	58,5	84,5	92,7	79,9

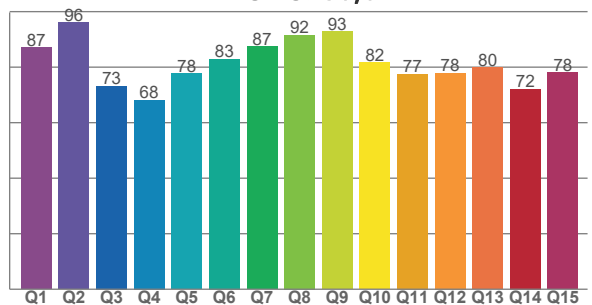
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,8	81,3	79,4	81,6	85,8	92,4	95,4	87,8	83,4	74,1	63,7	84,3	86,7	79,8	76,6	86,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,0	96,1	73,1	68,1	77,7	82,9	87,3	91,6	92,9	81,6	77,5	77,9	79,8	72,1	78,1

CQS: 80,0



COLOR PARAMETERS

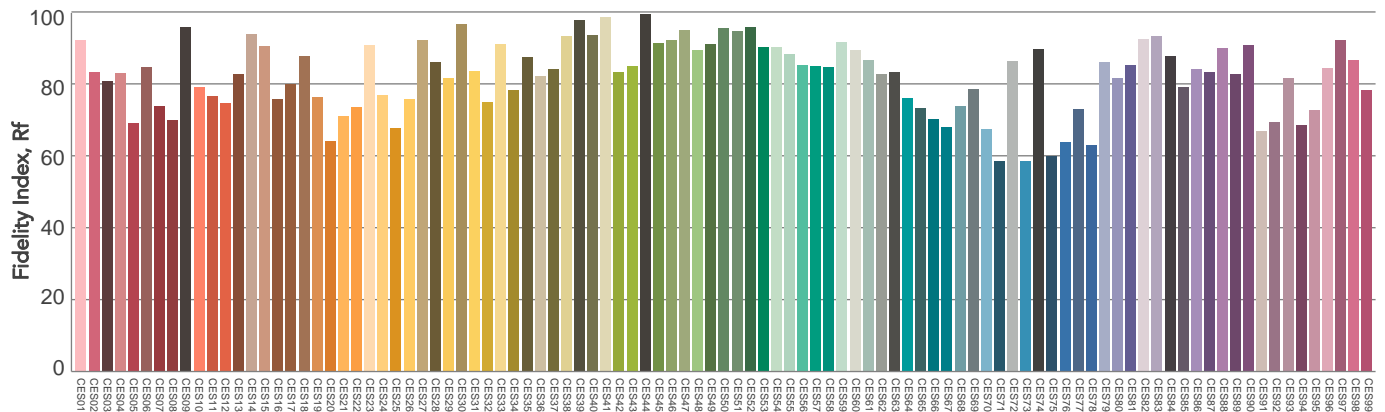
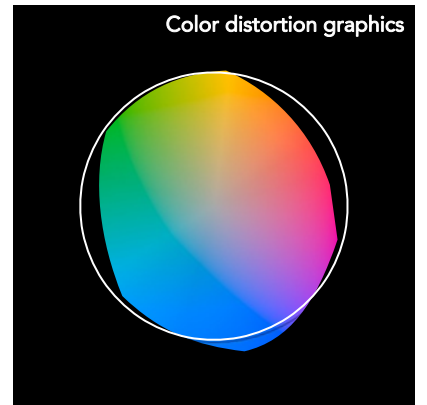
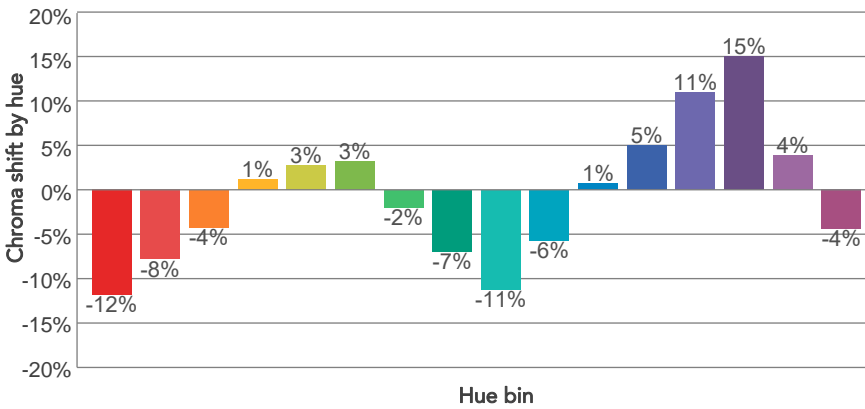
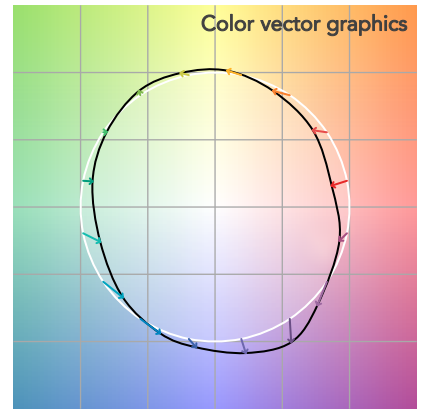
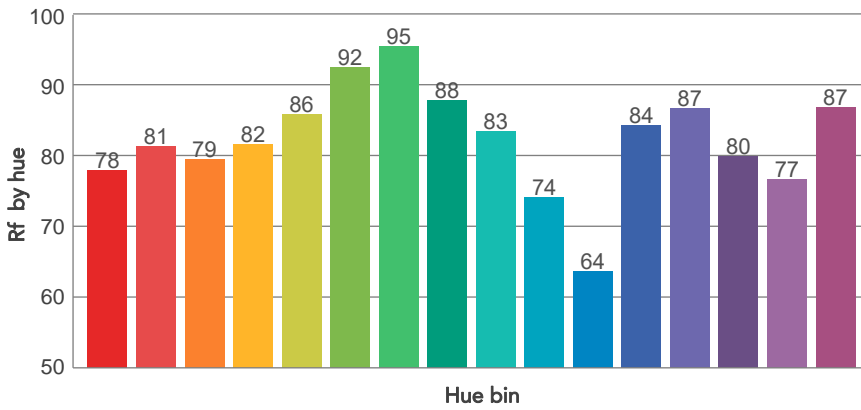
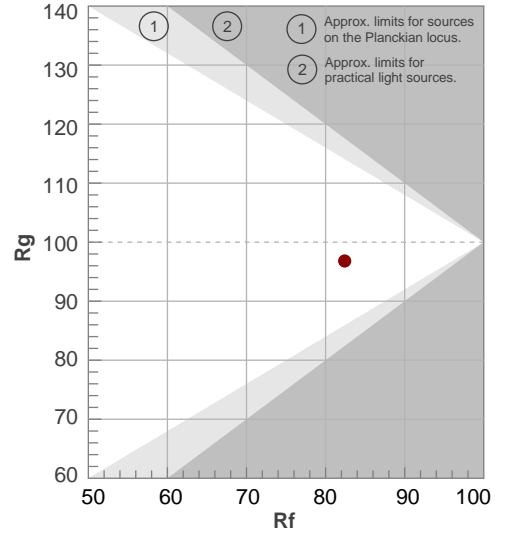
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7062 K	83,7	17,5	82,4	96,8	80,0	71	0,306	0,315	-0,0036

TM30 DETAILS

Rf 82,4
Fidelity index Rf

Rg 96,8
Gammut index

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	81	-8%	7%
3	79	-4%	12%
4	82	1%	11%
5	86	3%	6%
6	92	3%	-1%
7	95	-2%	-2%
8	88	-7%	-1%
9	83	-11%	9%
10	74	-6%	18%
11	64	1%	18%
12	84	5%	7%
13	87	11%	1%
14	80	15%	-9%
15	77	4%	-18%
16	87	-4%	-7%

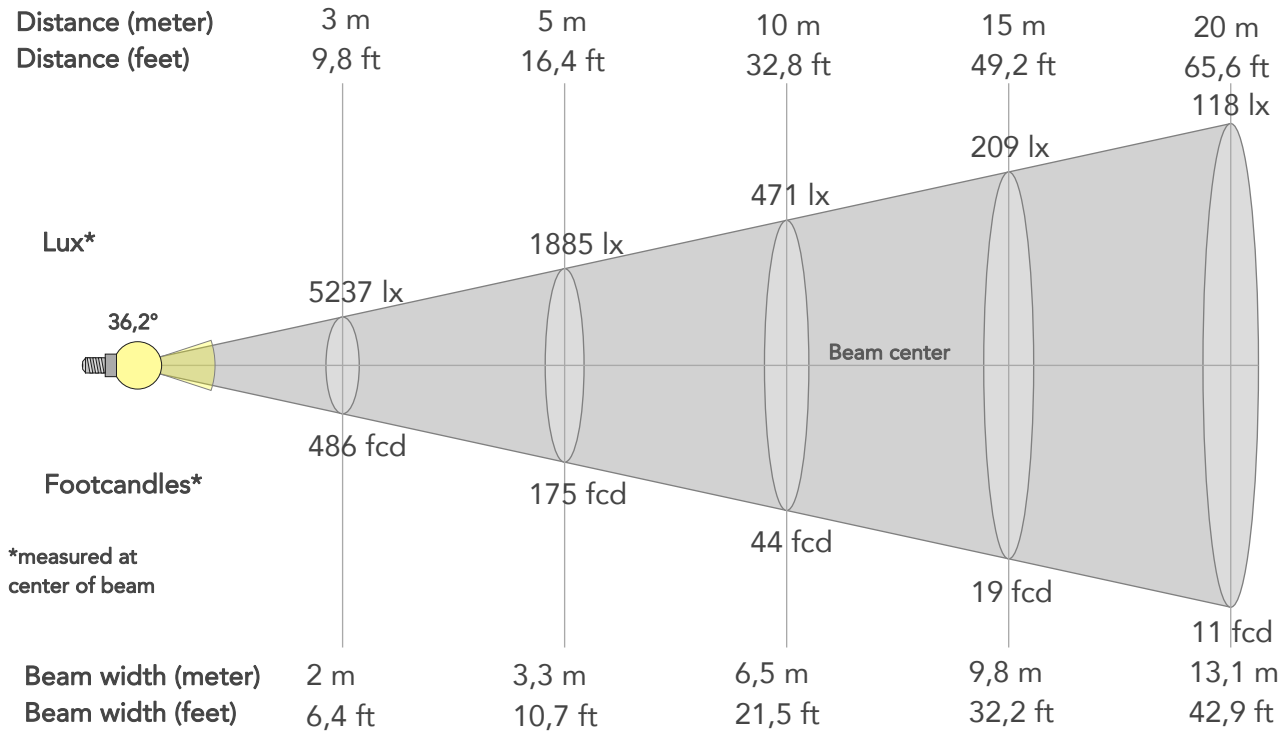


Color Evaluation Sample

BEAM DETAILS



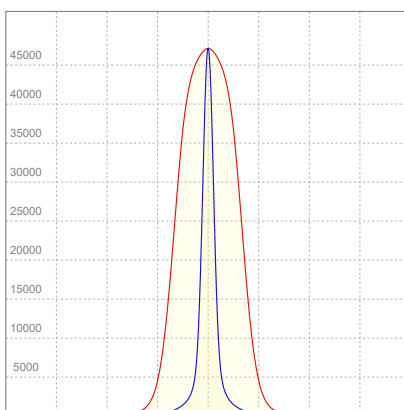
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36,2°	57,1°	80,4°	99,1%	94,1%



BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	47129lx	11782lx	5237lx	2946lx	1885lx	838lx	471lx	209lx	118lx	75lx	52lx	29lx	19lx
Footcand.	4378fcd	1095fcd	486fcd	274fcd	175fcd	78fcd	44fcd	19fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,7m	1,3m	2m	2,6m	3,3m	4,9m	6,5m	9,8m	13,1m	16,4m	19,6m	26,2m	32,7m
Beam wid.	2,2ft	4,3ft	6,4ft	8,6ft	10,7ft	16,1ft	21,5ft	32,2ft	42,9ft	53,6ft	64,4ft	85,8ft	107,3ft

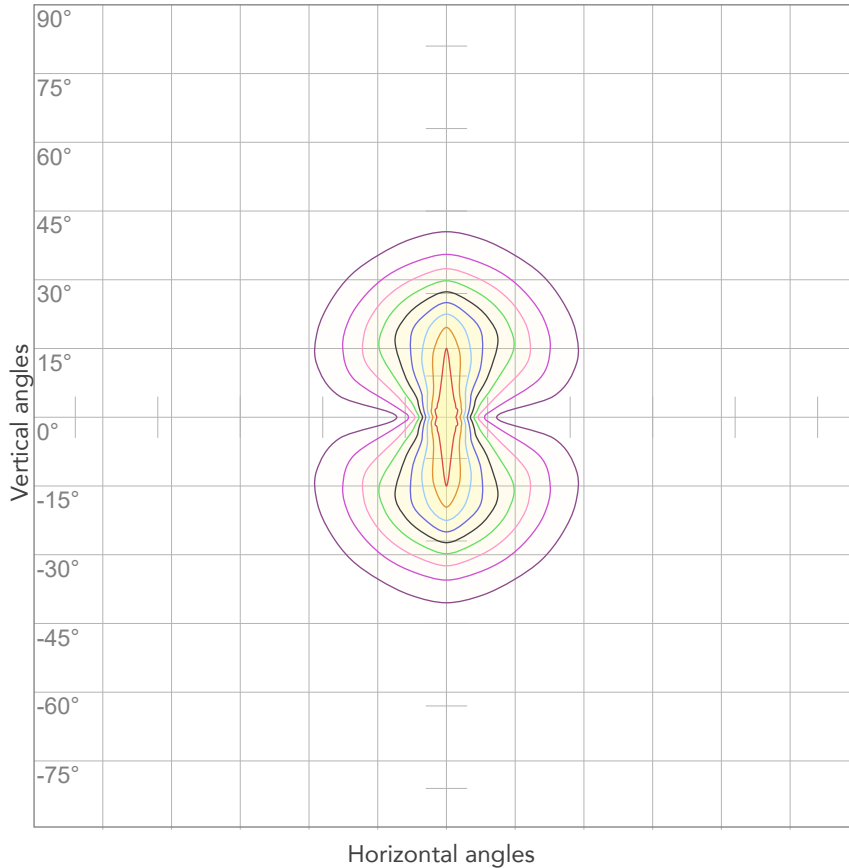
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,07A	216,3W	117lm/W

ISO CANDELA DIAGRAM



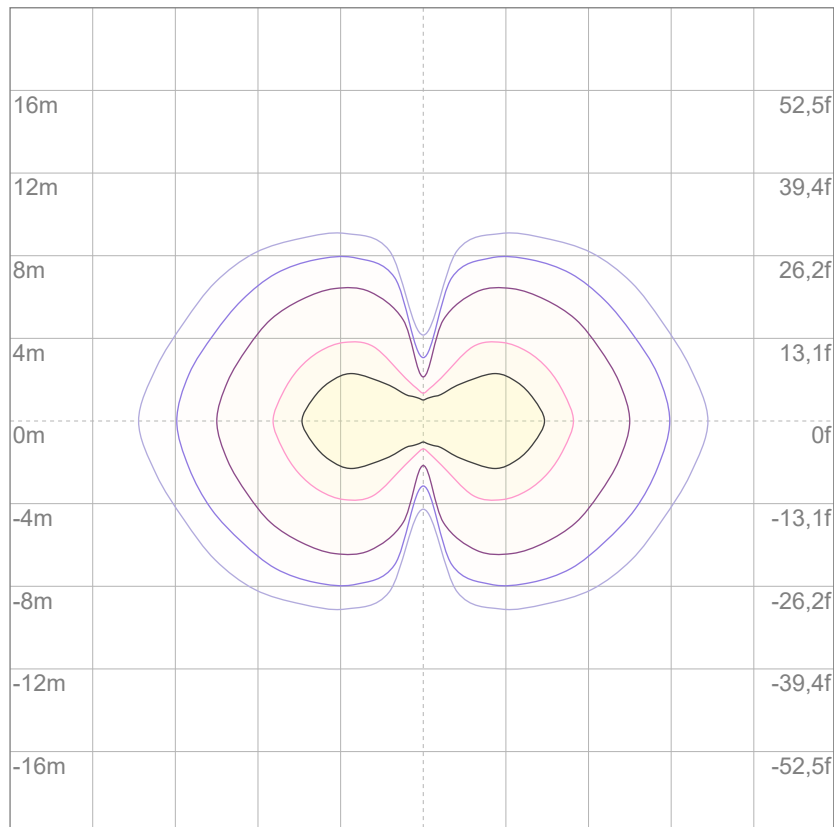
10%	4713 cd
20%	9426 cd
30%	14139 cd
40%	18852 cd
50%	23565 cd
60%	28278 cd
70%	32991 cd
80%	37704 cd

Conditions:

Number of c-planes: 4

Candela at center: 47129 cd

ISO LUX DIAGRAM



3%	14,1 lx
5%	23,6 lx
10%	47,1 lx
30%	141 lx
50%	236 lx

Conditions:

Number of c-planes: 4

Lux at center: 471 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:

14805 lm

Peak candela output:

21431 cd

Light quality:

CRI: 83,6

Color temperature:

7113 K

PRODUCT NAME:

ArcPod48 VW

MEASUREMENT CONDITIONS:

Beam angle:

15° + 30°x60°Filter

Target:

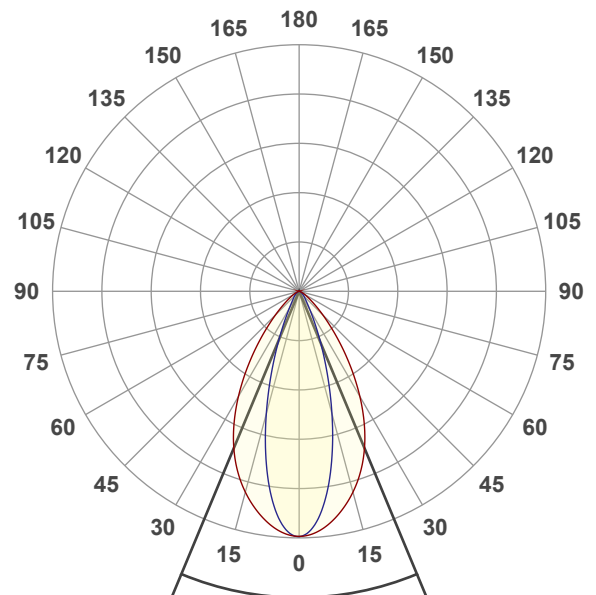
Cold White

Operator:

Nicola Savarese

Date and time:

18/07/2022 11:47:24

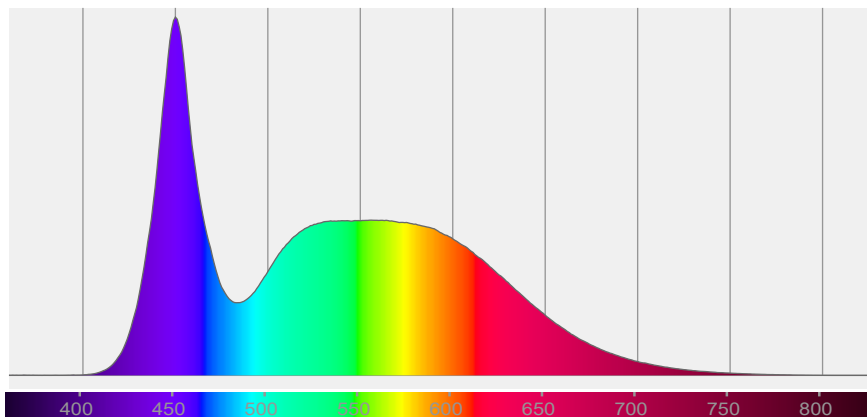


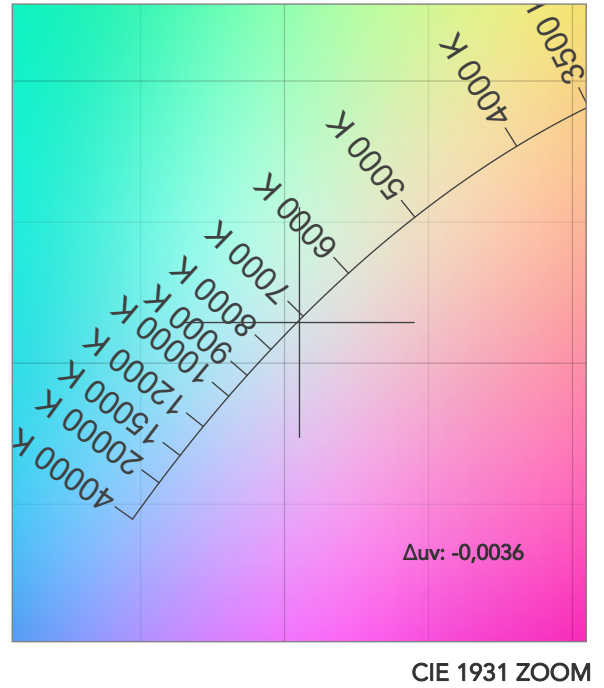
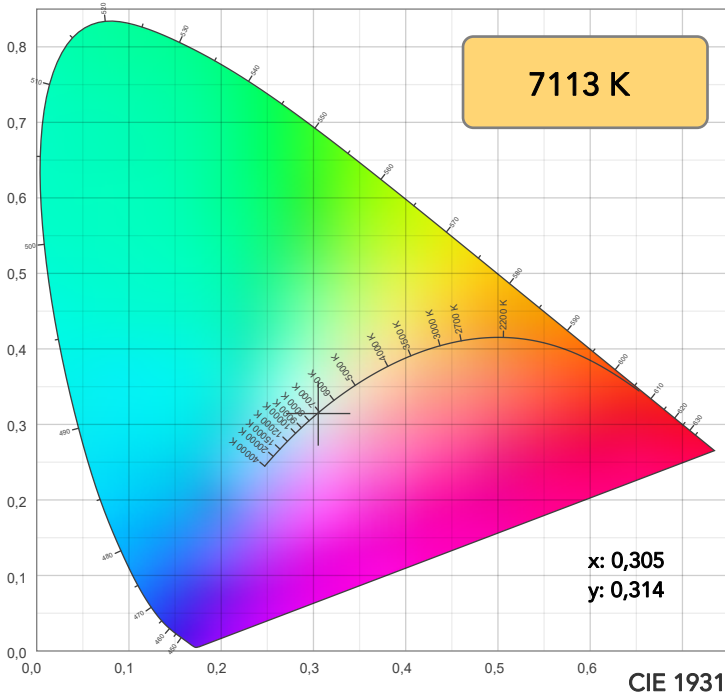
Beam angle 50%: 45,2°

Field angle 10%: 76,6°

Cut off angle 2.5%: 106,7°

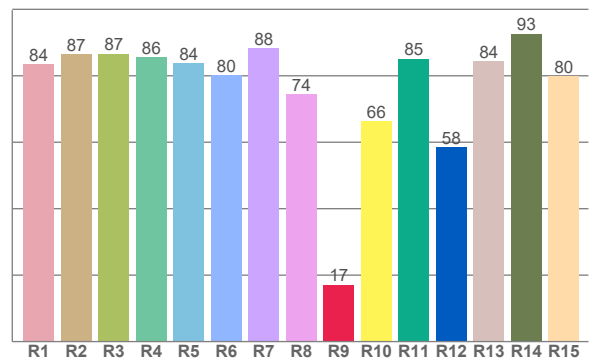
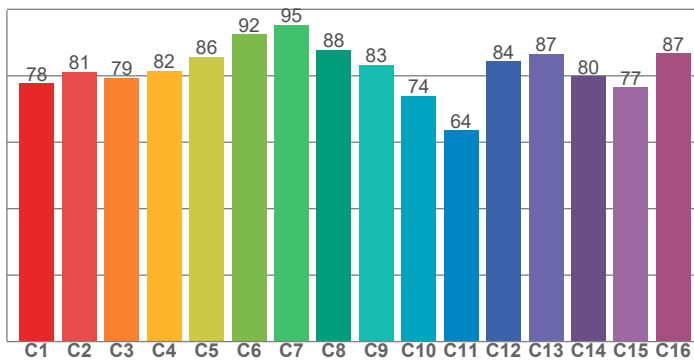
Spectra





TM30: 82,4

CRI: 83,6 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,5	86,6	86,6	85,5	83,8	80,2	88,2	74,4	17,1	66,3	85,2	58,4	84,5	92,6	79,8

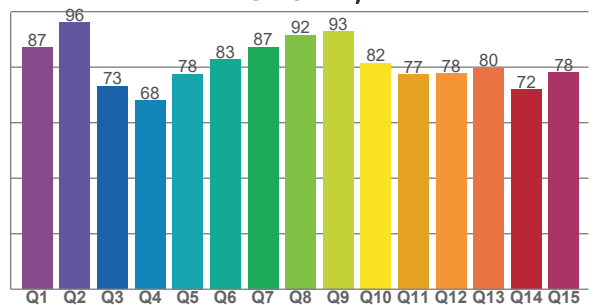
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,7	81,3	79,3	81,6	85,7	92,4	95,4	87,7	83,4	74,0	63,6	84,3	86,6	79,8	76,5	86,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,0	96,1	73,1	67,9	77,5	82,8	87,3	91,6	92,9	81,6	77,4	77,7	79,7	72,0	78,0

CQS: 79,9



COLOR PARAMETERS

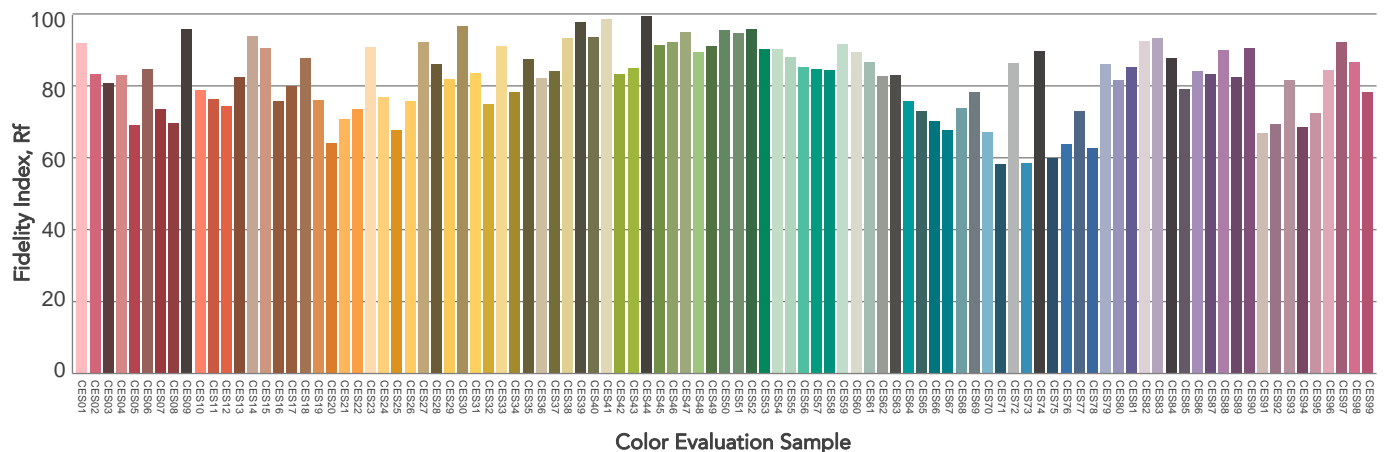
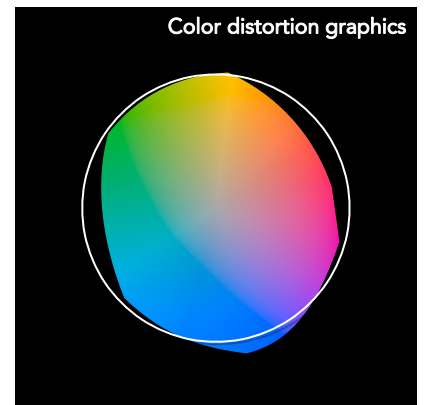
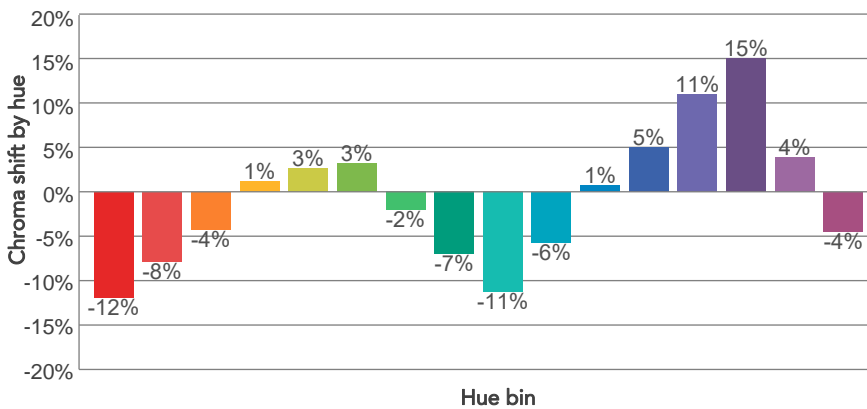
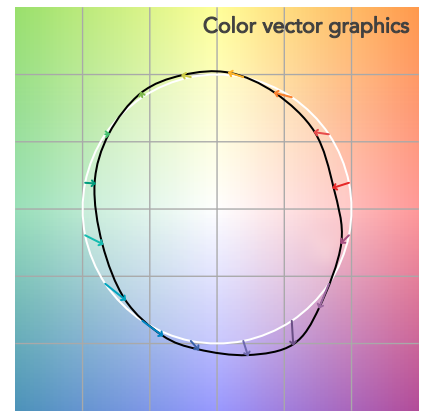
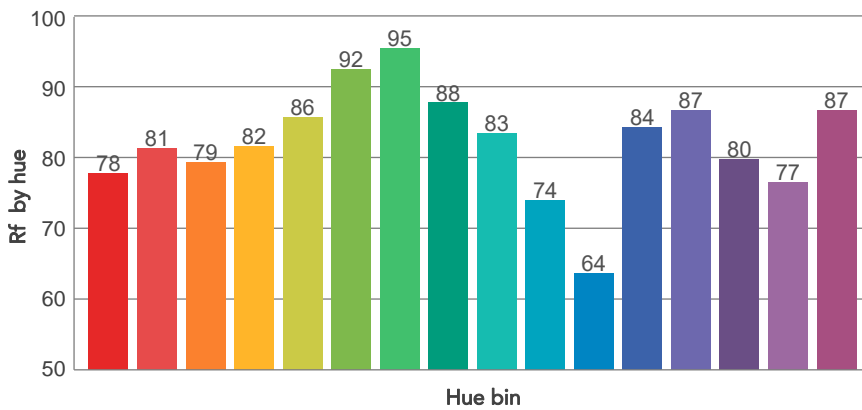
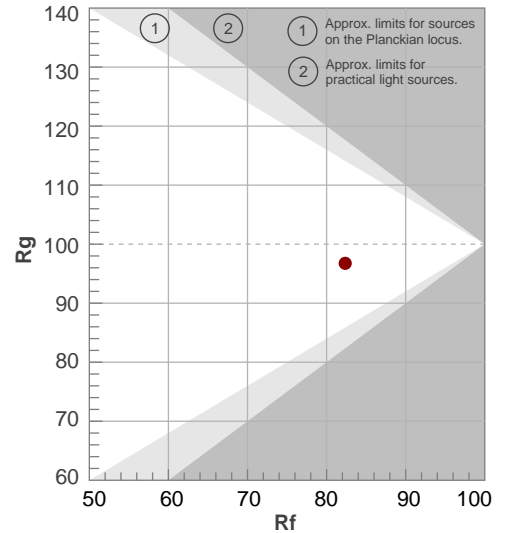
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
7113 K	83,6	17,1	82,4	96,8	79,9	71	0,305	0,314	-0,0036

TM30 DETAILS

Rf 82,4
Fidelity index Rf

Rg 96,8
Gammut index

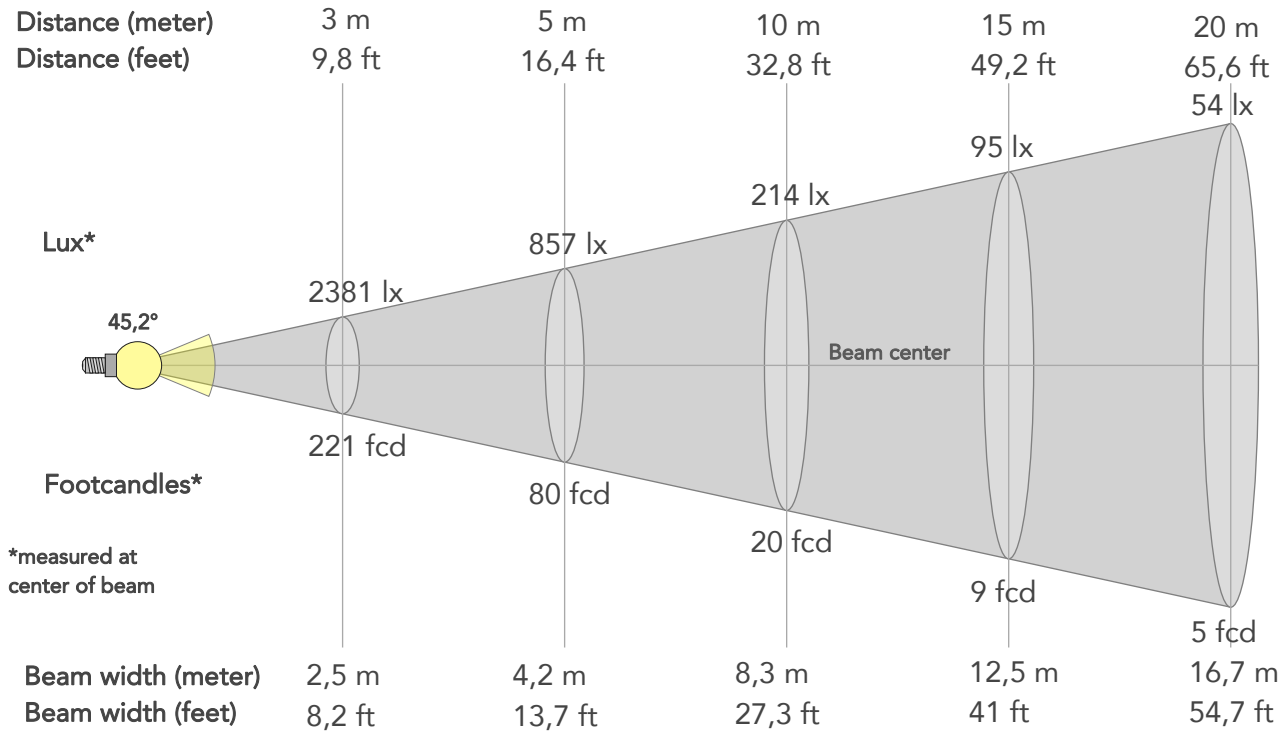
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-12%	-1%
2	81	-8%	7%
3	79	-4%	12%
4	82	1%	11%
5	86	3%	6%
6	92	3%	-1%
7	95	-2%	-2%
8	88	-7%	-1%
9	83	-11%	9%
10	74	-6%	18%
11	64	1%	18%
12	84	5%	7%
13	87	11%	1%
14	80	15%	-9%
15	77	4%	-18%
16	87	-4%	-7%



BEAM DETAILS



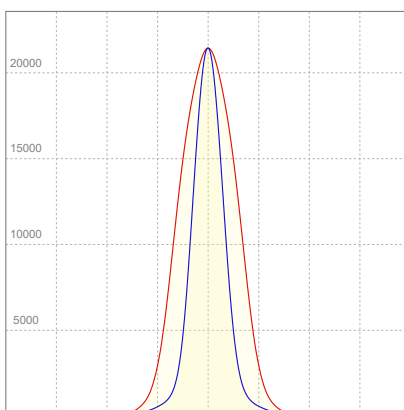
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45,2°	76,6°	106,7°	98,1%	90,4%



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	21429lx	5357lx	2381lx	1339lx	857lx	381lx	214lx	95lx	54lx	34lx	24lx	13lx	9lx
Footcand.	1991fcd	498fcd	221fcd	124fcd	80fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,8m	1,7m	2,5m	3,3m	4,2m	6,2m	8,3m	12,5m	16,7m	20,8m	25m	33,3m	41,7m
Beam wid.	2,7ft	5,5ft	8,2ft	10,9ft	13,7ft	20,5ft	27,3ft	41ft	54,7ft	68,3ft	82ft	109,3ft	136,6ft

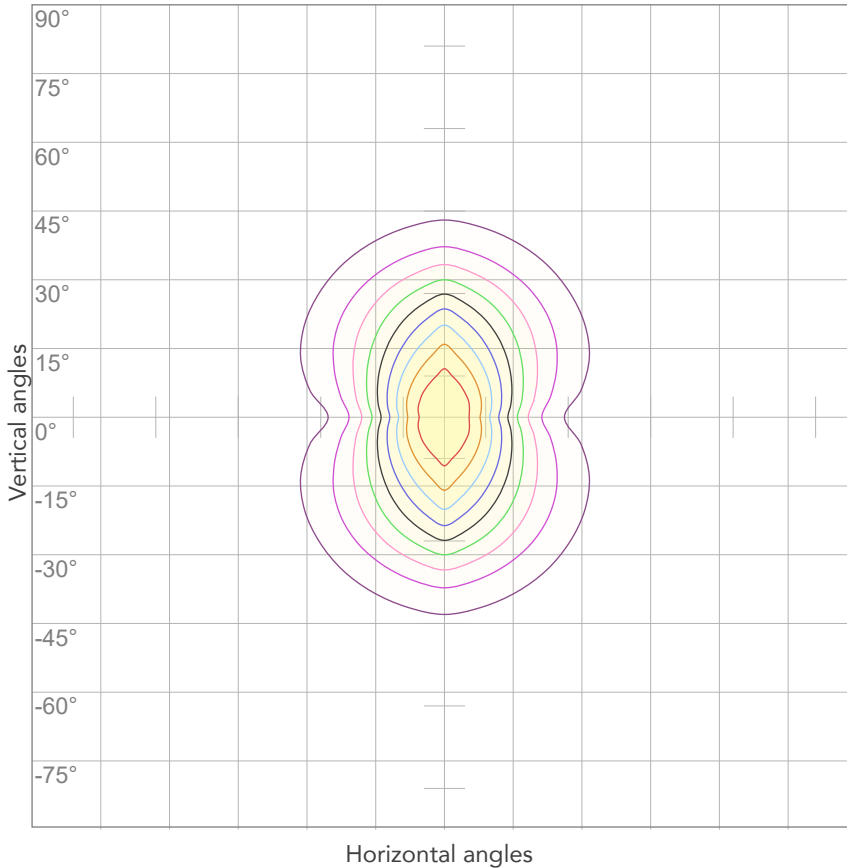
LINEAR DISTRIBUTION DIAGRAM



ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,07A	216W	69lm/W

ISO CANDELA DIAGRAM



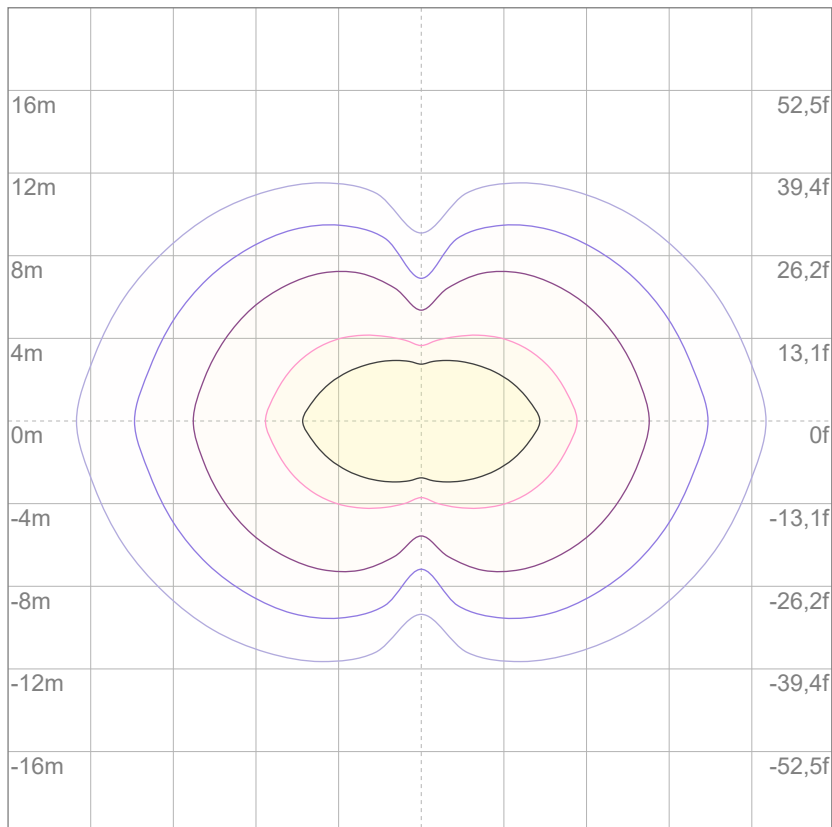
10%	2143 cd
20%	4286 cd
30%	6429 cd
40%	8572 cd
50%	10715 cd
60%	12858 cd
70%	15001 cd
80%	17144 cd

Conditions:

Number of c-planes: 4

Candela at center: 21429 cd

ISO LUX DIAGRAM



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

Conditions:

Number of c-planes: 4

Lux at center: 214 lx

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