

# Photometric Test Report



## **EclPar DotVW**

20W Variable White LED pinspot, 5° beam angle

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## TESTING PROCESS

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

### **Prolights measurement instrument**

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

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

### **Prolights measurement software**

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

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



Total lumen output:

844 lm

Peak candela output:

92546 cd

Light quality:

CRI: 96,5

Color temperature:

4845 K

**PRODUCT NAME:**

ECLPARDOTVW

**MEASUREMENT CONDITIONS:**

Beam angle:

Original Optic

Target:

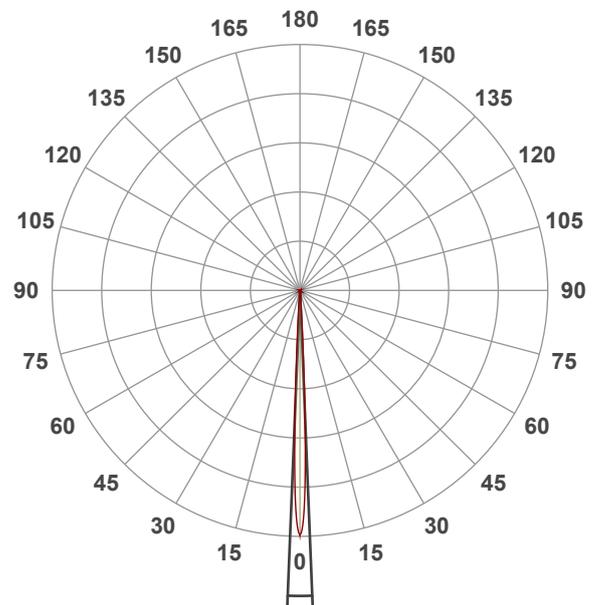
Full On

Operator:

Giuseppe della Peruta

Date and time:

06/02/2026 12:41:44

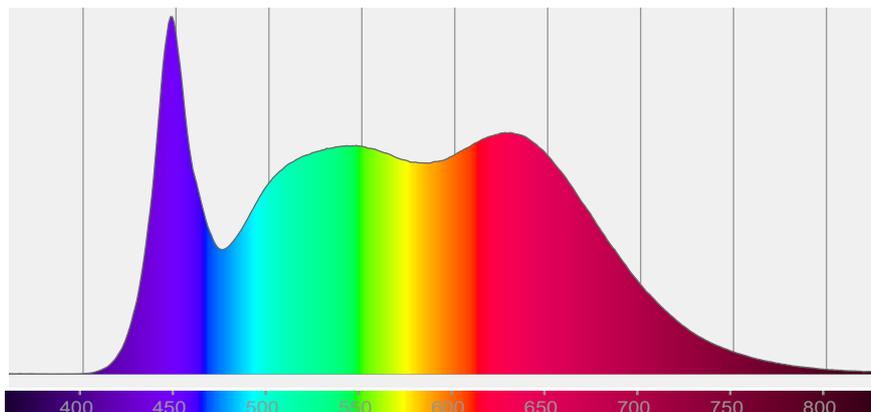


Beam angle 50%: 4,6°

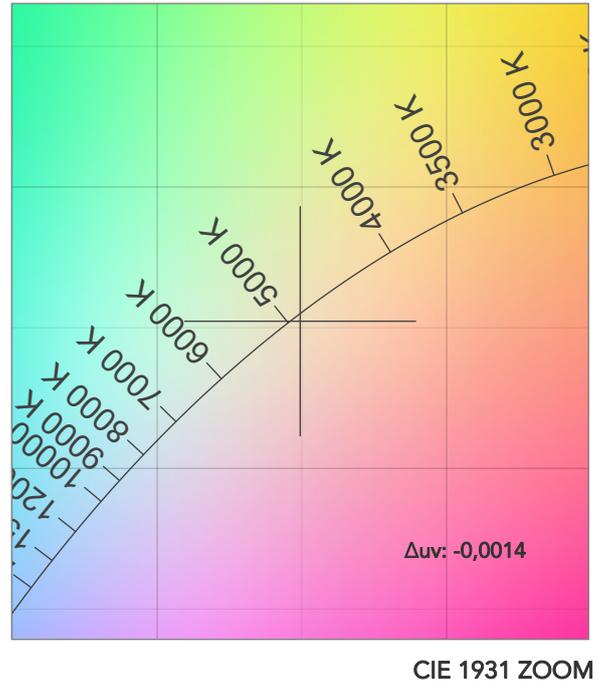
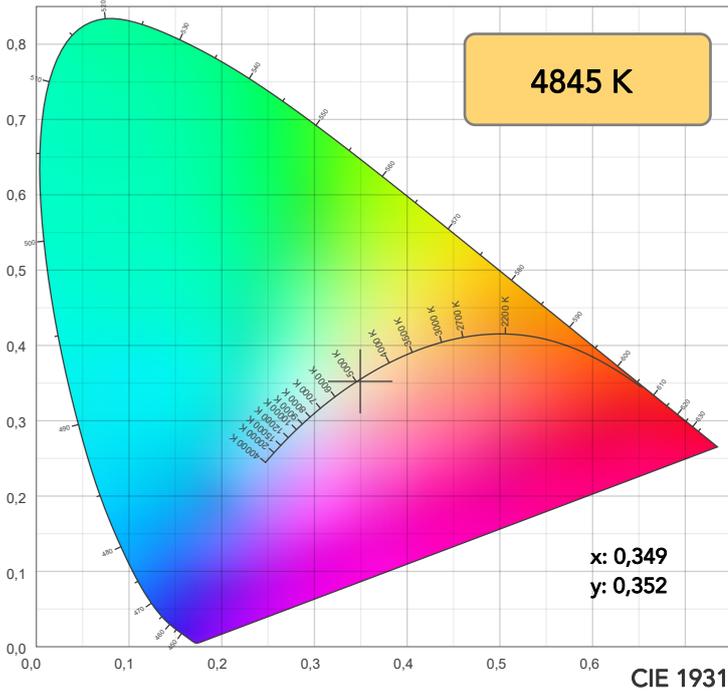
Field angle 10%: 7,7°

Cut off angle 2.5%: 10,5°

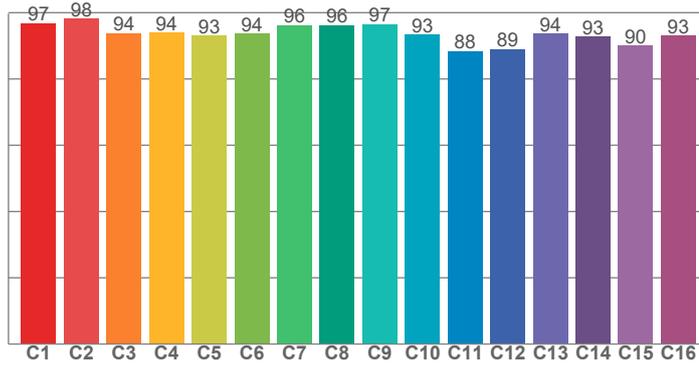
Spectra



# COLOR DETAILS



**TM30: 93,9**



**CRI: 96,5 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,0	97,6	92,6	95,5	99,4	94,6	96,5	97,0	97,0	93,0	93,5	80,4	99,7	95,4	97,9

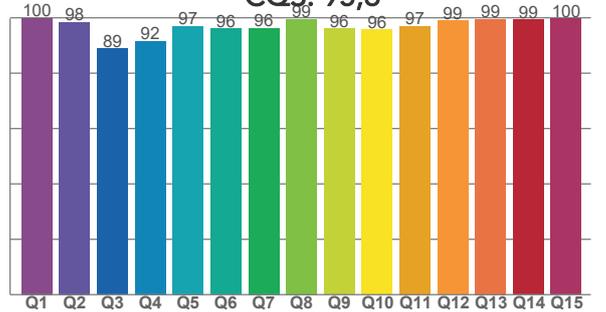
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,9	98,2	93,8	94,1	93,1	93,6	96,2	96,2	96,5	93,4	88,4	89,1	93,8	92,8	90,0	93,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,8	98,3	88,8	91,5	97,0	96,0	96,2	99,5	96,1	95,6	97,1	99,0	99,5	99,3	99,6

**CQS: 95,6**



## COLOR PARAMETERS

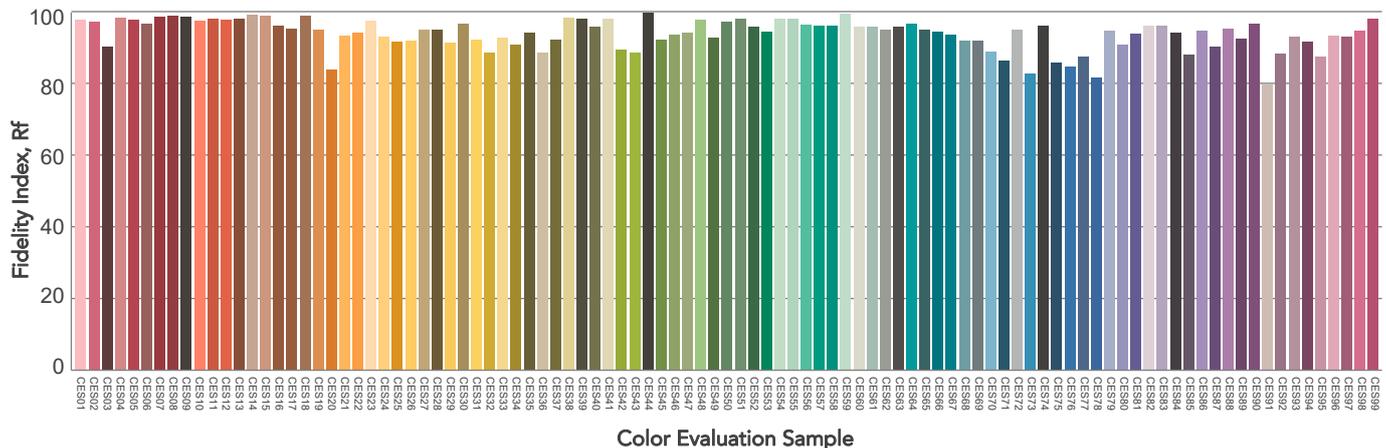
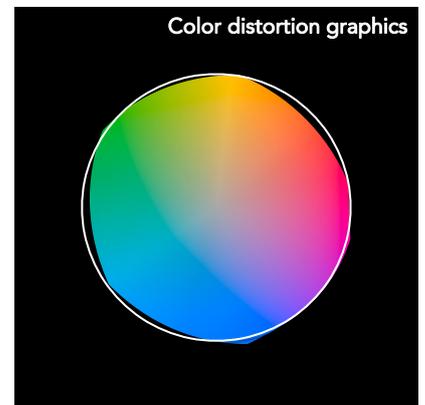
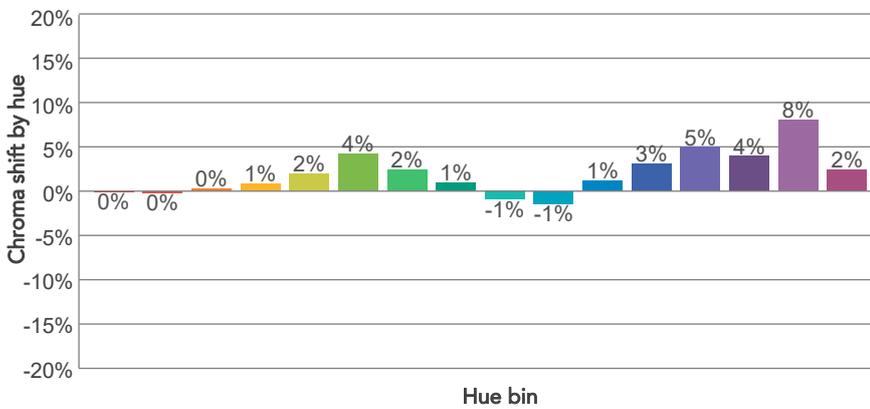
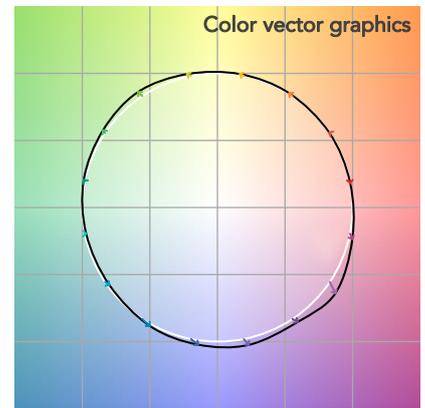
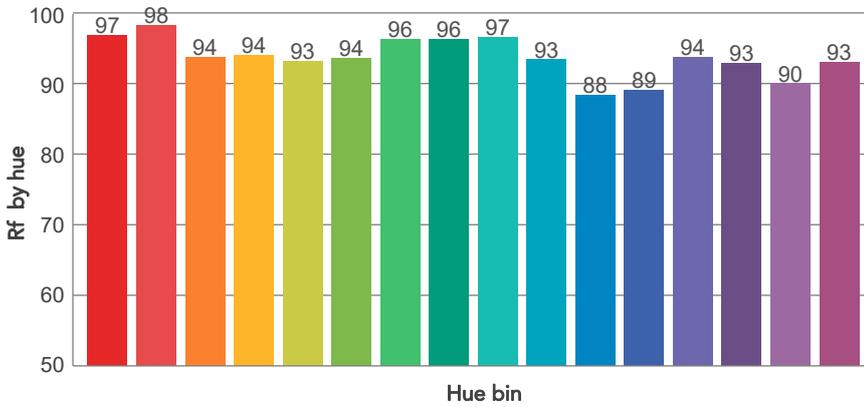
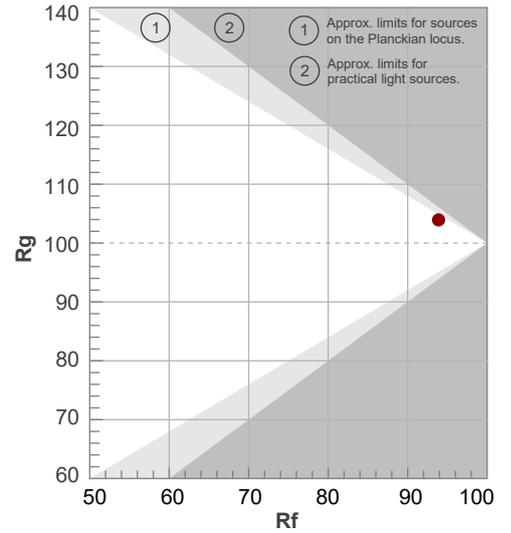
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4845 K	96,5	97,0	93,9	103,9	95,6	98	0,349	0,352	-0,0014

# TM30 DETAILS

**Rf 93,9**  
Fidelity index Rf

**Rg 103,9**  
Gammut index

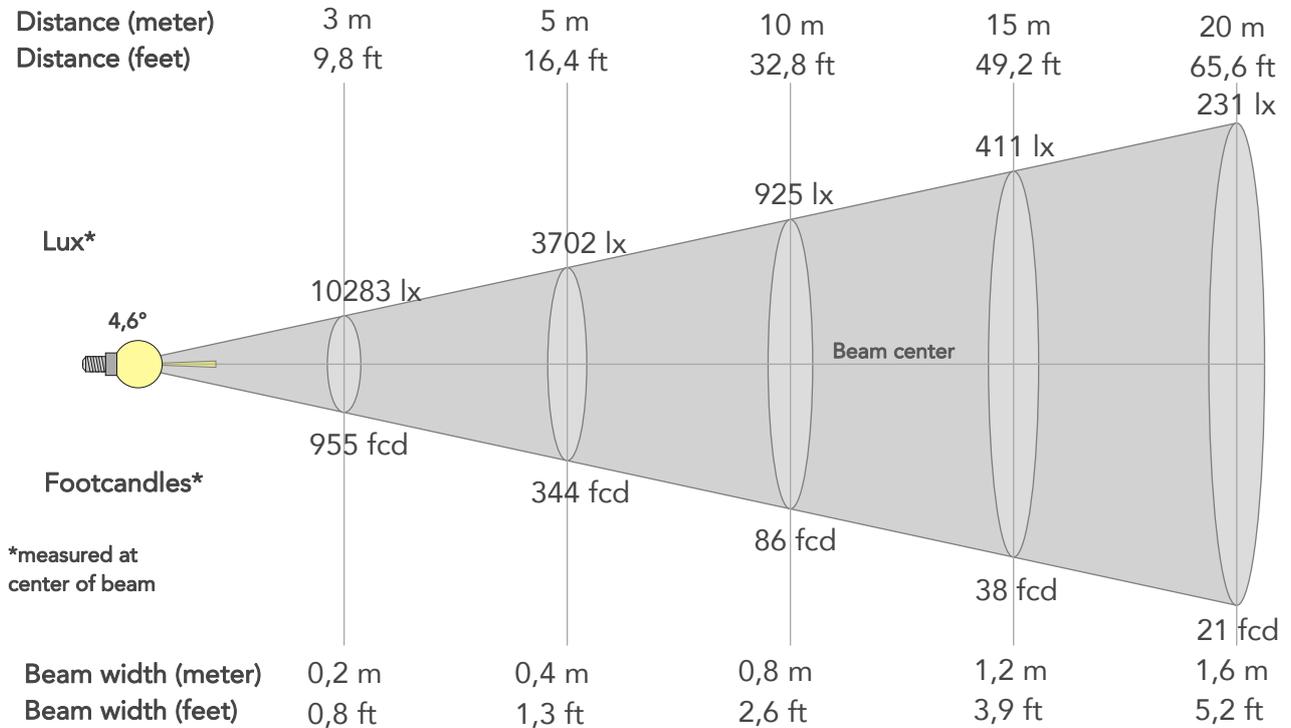
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	-1%
2	98	0%	0%
3	94	0%	3%
4	94	1%	3%
5	93	2%	3%
6	94	4%	1%
7	96	2%	-1%
8	96	1%	-1%
9	97	-1%	0%
10	93	-1%	4%
11	88	1%	7%
12	89	3%	6%
13	94	5%	3%
14	93	4%	2%
15	90	8%	-5%
16	93	2%	-4%



# BEAM DETAILS



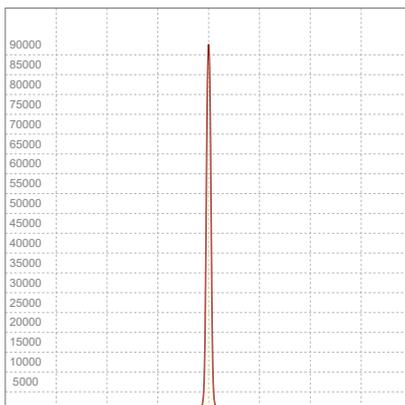
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,6°	7,7°	10,5°	99,8%	98,8%



## 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	92546lx	23136lx	10283lx	5784lx	3702lx	1645lx	925lx	411lx	231lx	148lx	103lx	58lx	37lx
Footcand.	8598fcd	2149fcd	955fcd	537fcd	344fcd	153fcd	86fcd	38fcd	21fcd	14fcd	10fcd	5fcd	3fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	2ft	2,6ft	3,9ft	5,2ft	6,5ft	7,8ft	10,5ft	13,1ft

## LINEAR DISTRIBUTION DIAGRAM

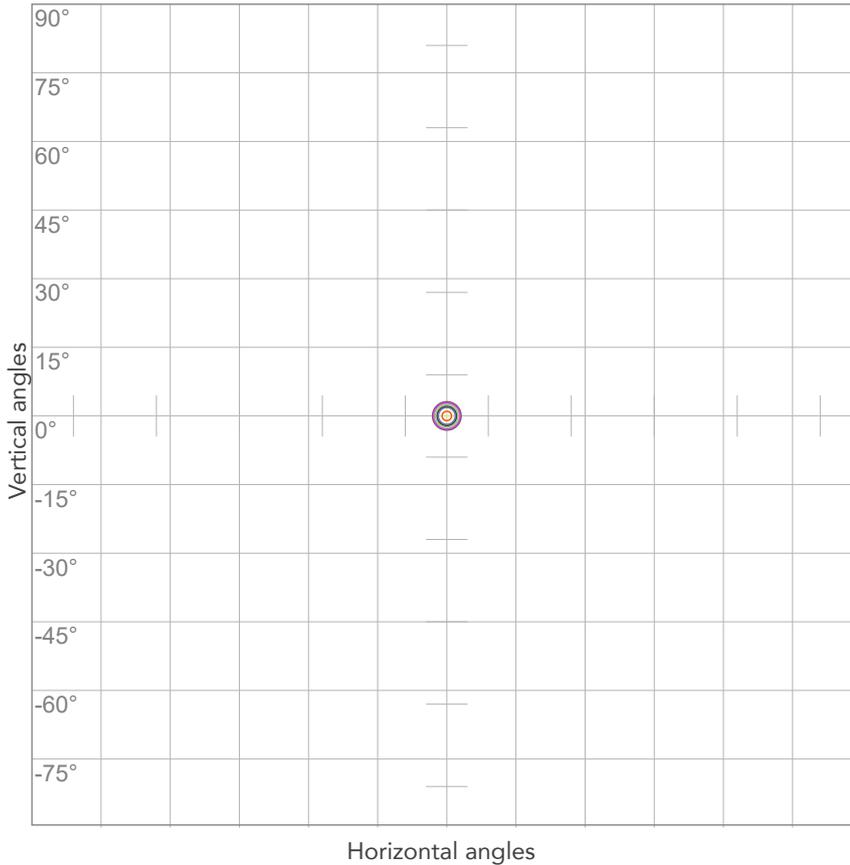


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,226A	25,1W	0,49	34lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



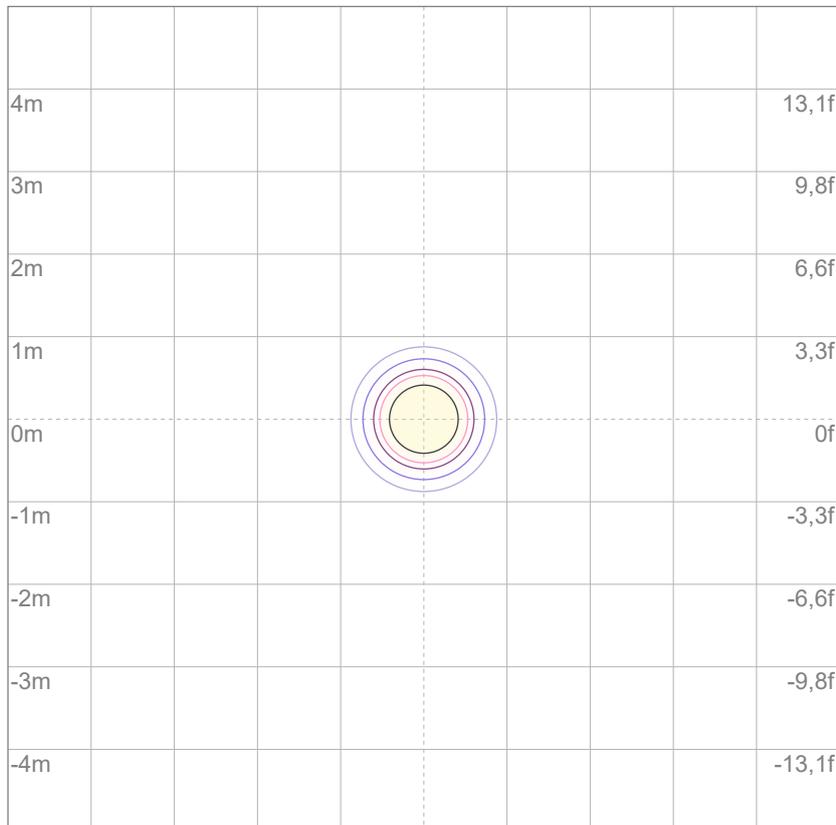
10%	9255 cd
20%	18509 cd
30%	27764 cd
40%	37018 cd
50%	46273 cd
60%	55527 cd
70%	64782 cd
80%	74037 cd

Conditions:

Number of c-planes: 2

Candela at center: 92546 cd

## ISO LUX DIAGRAM



3%	27,8 lx
5%	46,3 lx
10%	92,5 lx
30%	278 lx
50%	463 lx

Conditions:

Number of c-planes: 2

Lux at center: 925 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:

628 lm

Peak candela output:

70267 cd

Light quality:

CRI: 95,0

Color temperature:

2717 K

**PRODUCT NAME:**

ECLPARDOTVW

**MEASURAMENT CONDITIONS:**

Beam angle:

Original Optic

Target:

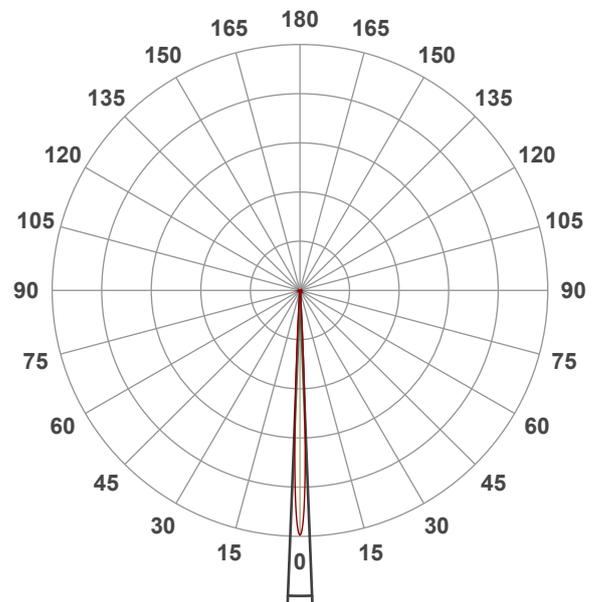
Warm White

Operator:

Giuseppe della Peruta

Date and time:

06/02/2026 12:46:30

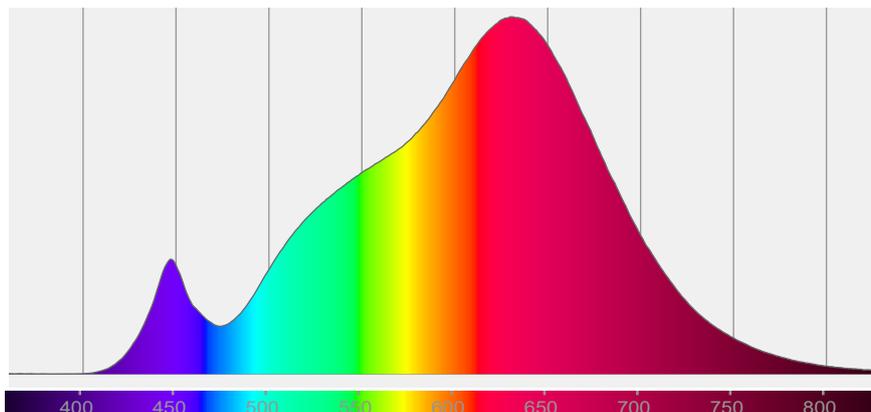


Beam angle 50%: 4,5°

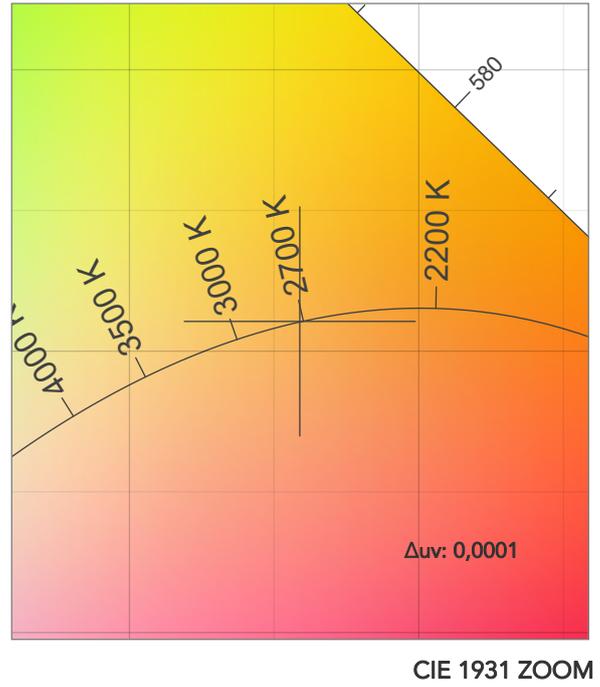
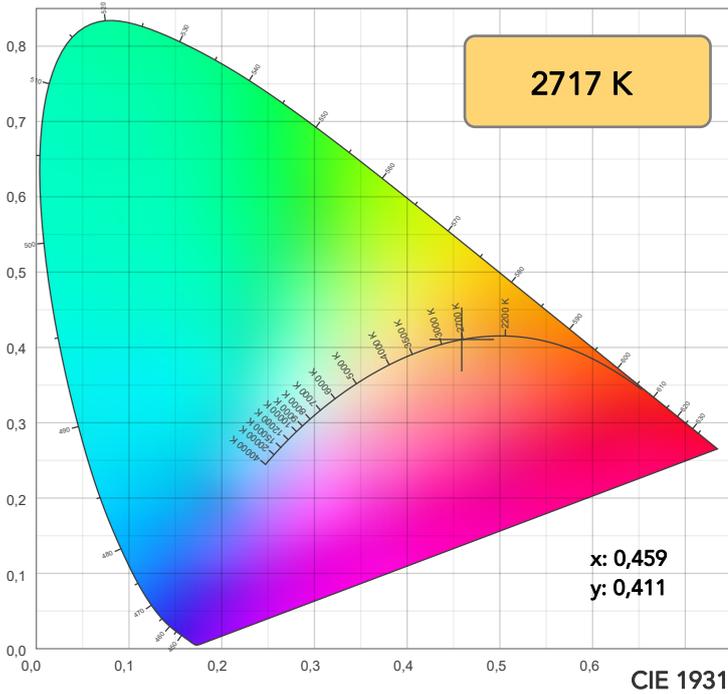
Field angle 10%: 7,5°

Cut off angle 2.5%: 10,4°

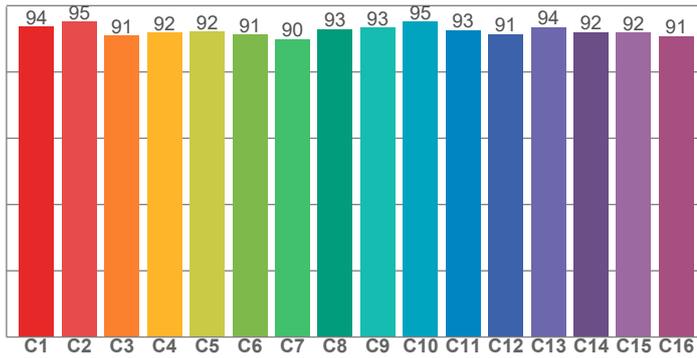
Spectra



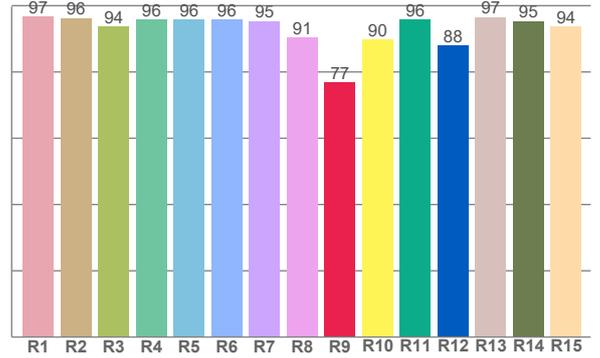
# COLOR DETAILS



**TM30: 92,6**



**CRI: 95,0 (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
96,8	96,3	93,8	95,9	95,9	95,8	95,4	90,5	76,8	89,9	95,9	88,0	96,6	95,4	93,7

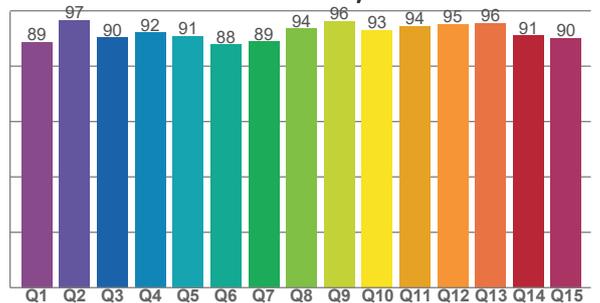
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88,8	96,6	90,3	92,2	90,9	87,7	88,9	93,5	96,2	93,1	94,4	95,2	95,5	91,1	90,1

**CQS: 91,6**



## COLOR PARAMETERS

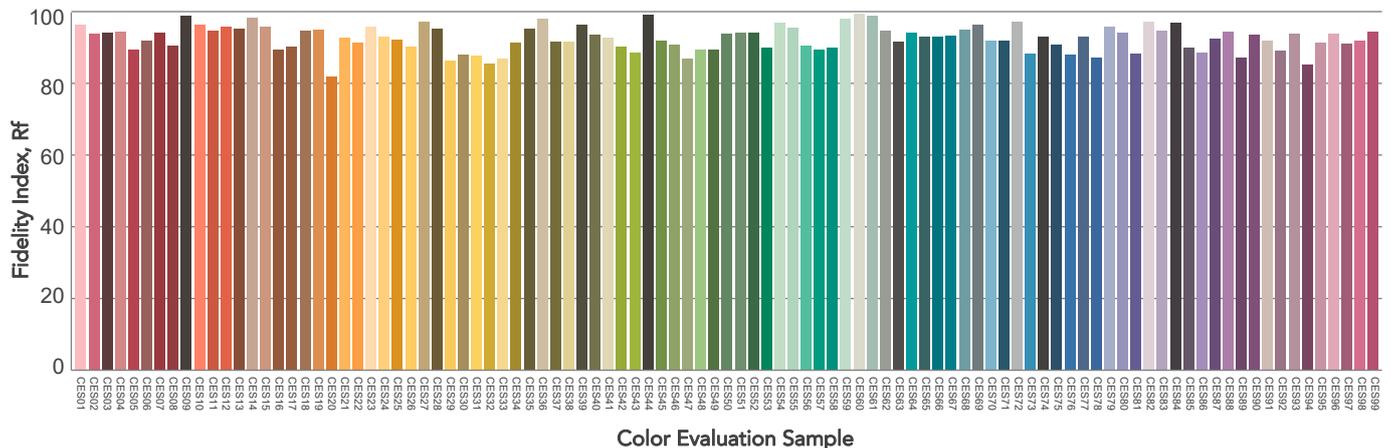
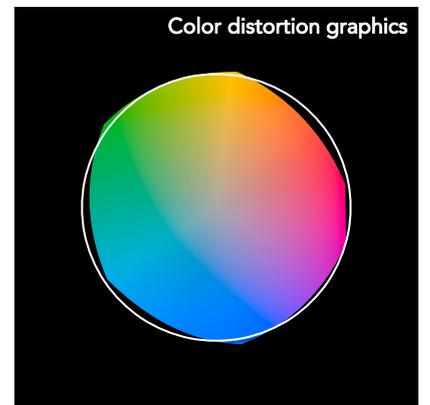
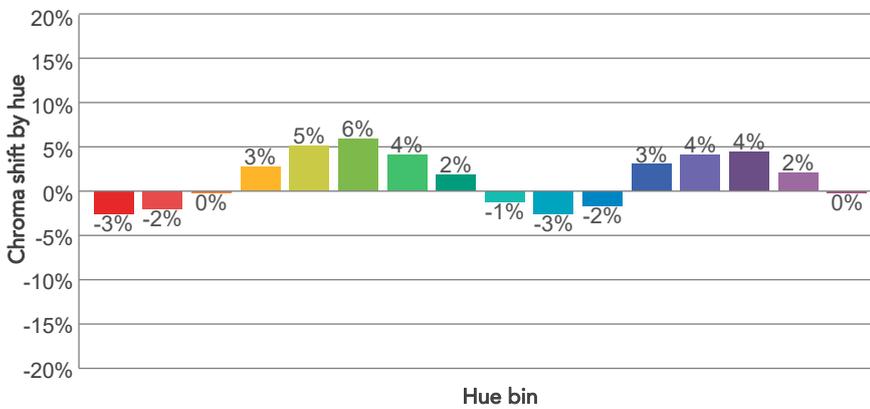
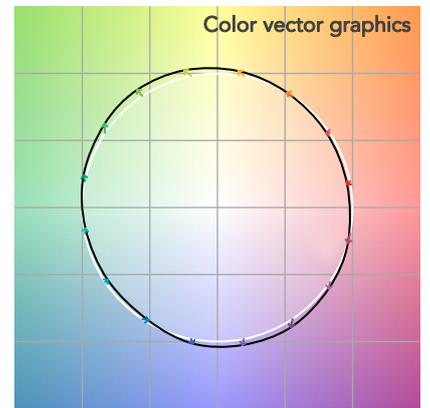
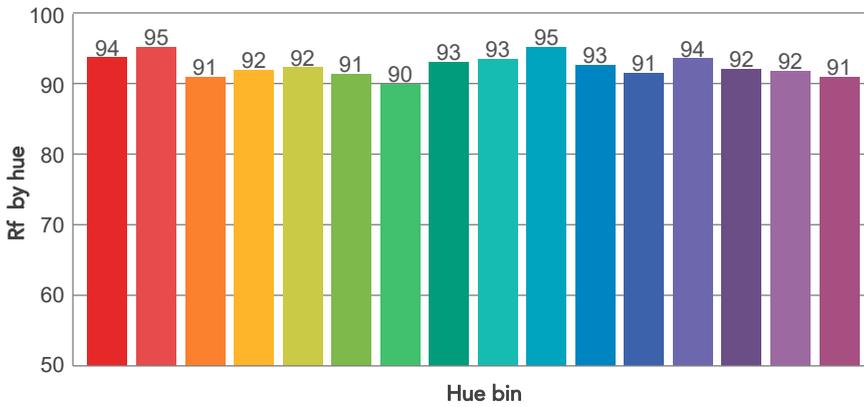
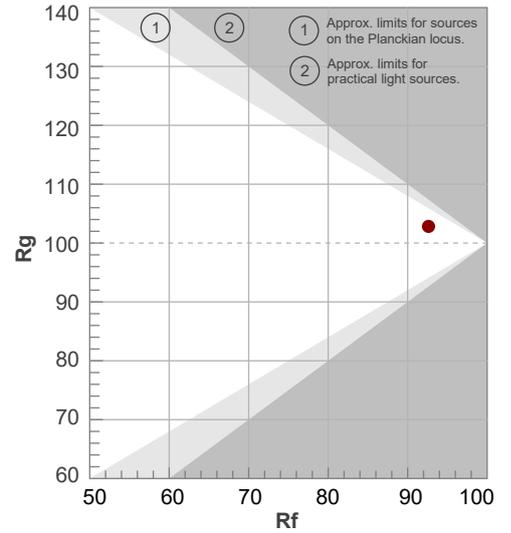
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2717 K	95,0	76,8	92,6	102,8	91,6	92	0,459	0,411	0,0001

# TM30 DETAILS

**Rf 92,6**  
Fidelity index Rf

**Rg 102,8**  
Gammut index

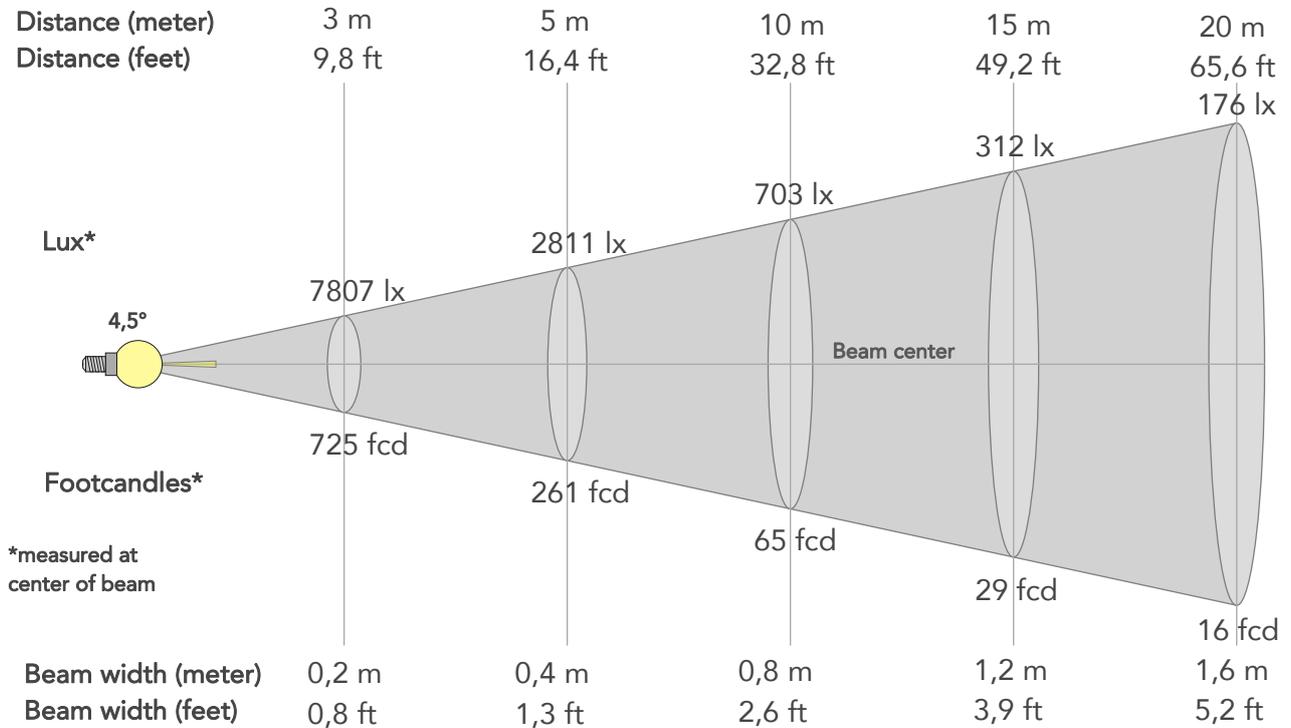
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-3%	-2%
2	95	-2%	2%
3	91	0%	5%
4	92	3%	5%
5	92	5%	4%
6	91	6%	1%
7	90	4%	-5%
8	93	2%	-4%
9	93	-1%	-4%
10	95	-3%	0%
11	93	-2%	4%
12	91	3%	2%
13	94	4%	-2%
14	92	4%	-4%
15	92	2%	-5%
16	91	0%	-7%



# BEAM DETAILS



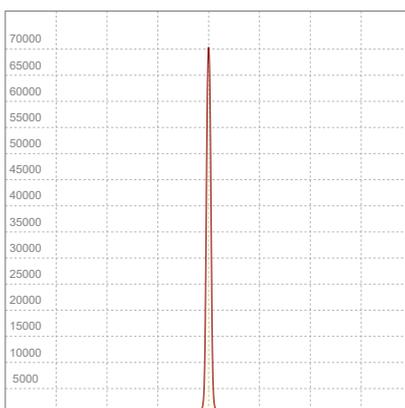
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,5°	7,5°	10,4°	99,4%	98,1%



## 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	70267lx	17567lx	7807lx	4392lx	2811lx	1249lx	703lx	312lx	176lx	112lx	78lx	44lx	28lx
Footcand.	6528fcd	1632fcd	725fcd	408fcd	261fcd	116fcd	65fcd	29fcd	16fcd	10fcd	7fcd	4fcd	3fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,6ft	3,9ft	5,2ft	6,4ft	7,7ft	10,3ft	12,9ft

## LINEAR DISTRIBUTION DIAGRAM

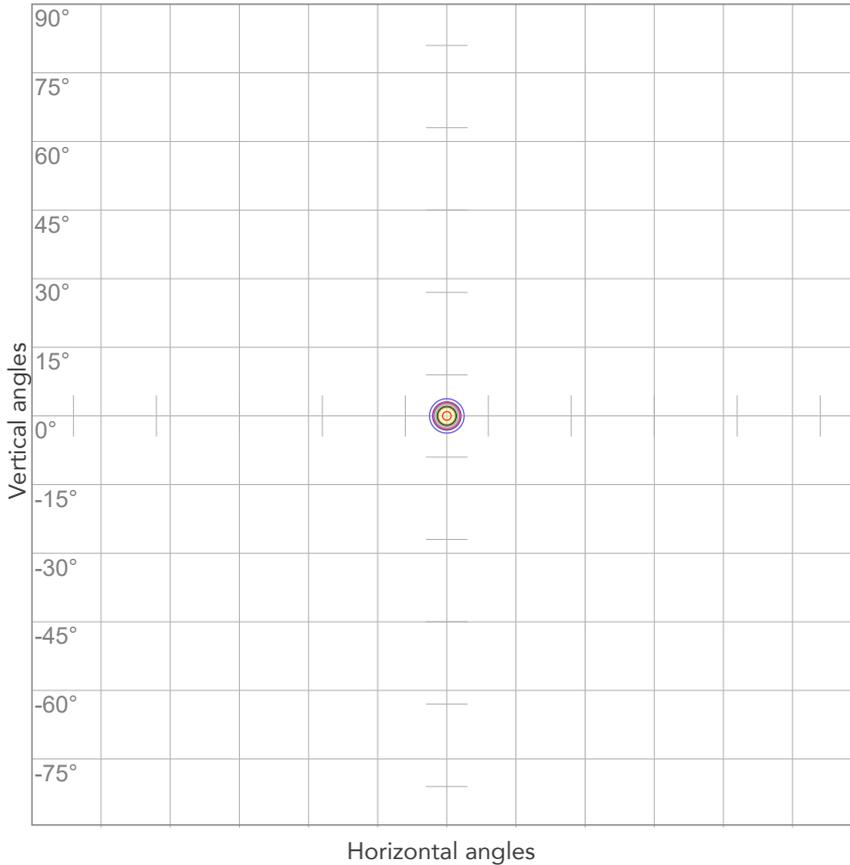


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,193A	23,1W	0,53	27lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



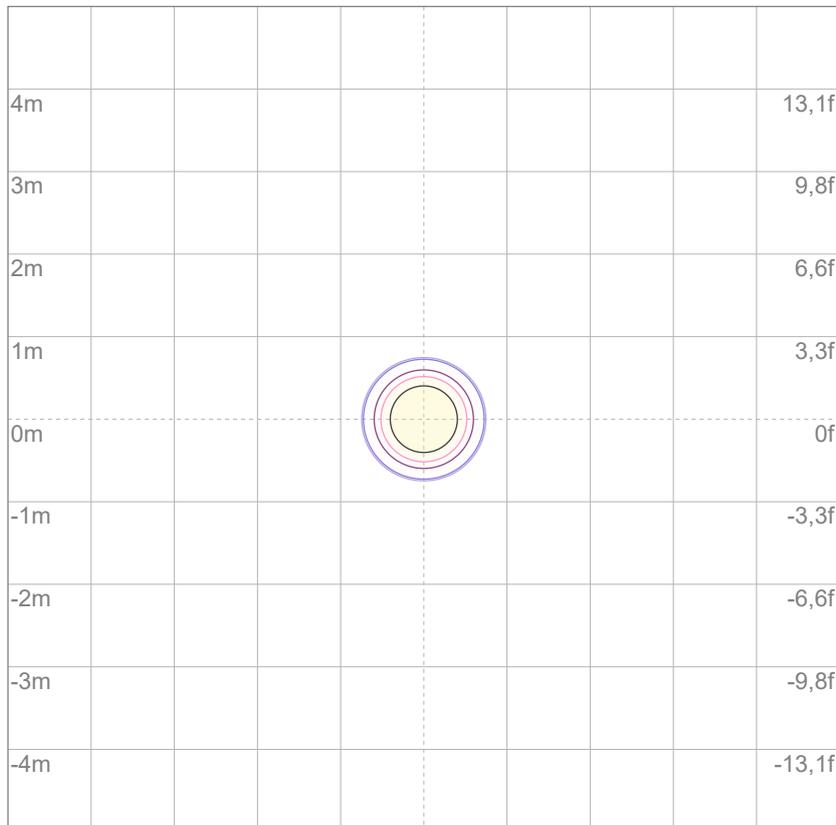
10%	7027 cd
20%	14053 cd
30%	21080 cd
40%	28107 cd
50%	35134 cd
60%	42160 cd
70%	49187 cd
80%	56214 cd

Conditions:

Number of c-planes: 2

Candela at center: 70267 cd

## ISO LUX DIAGRAM



3%	21,1 lx
5%	35,1 lx
10%	70,3 lx
30%	211 lx
50%	351 lx

Conditions:

Number of c-planes: 2

Lux at center: 703 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:

864 lm

Peak candela output:

92297 cd

Light quality:

CRI: 92,5

Color temperature:

8031 K

**PRODUCT NAME:**

ECLPARDOTVW

**MEASUREMENT CONDITIONS:**

Beam angle:

Original Optic

Target:

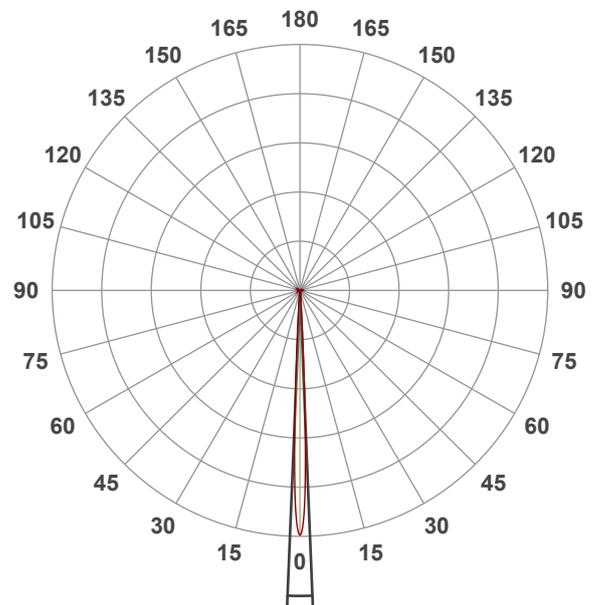
Cold White

Operator:

Giuseppe della Peruta

Date and time:

06/02/2026 12:50:11

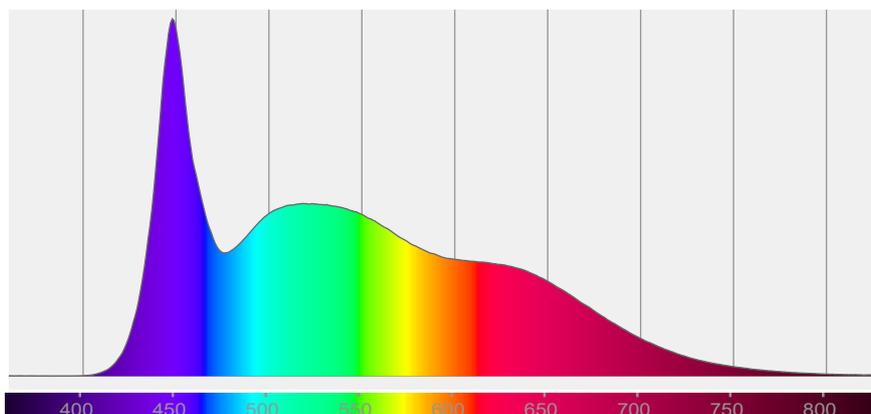


Beam angle 50%: 4,6°

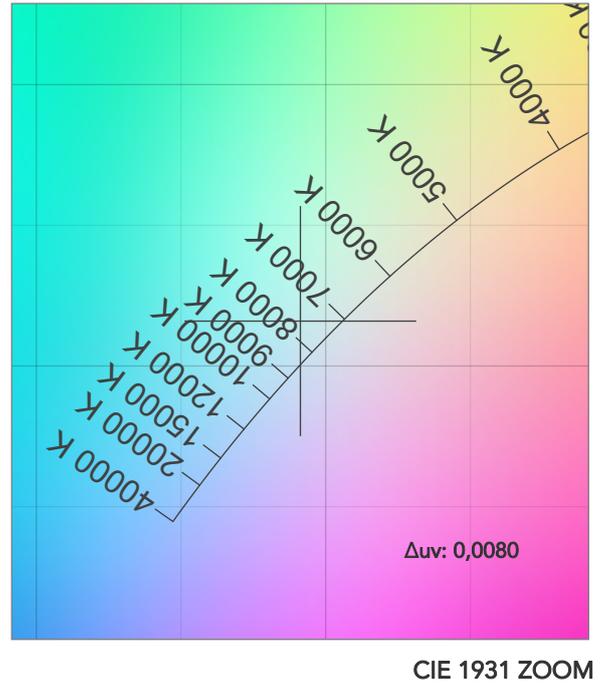
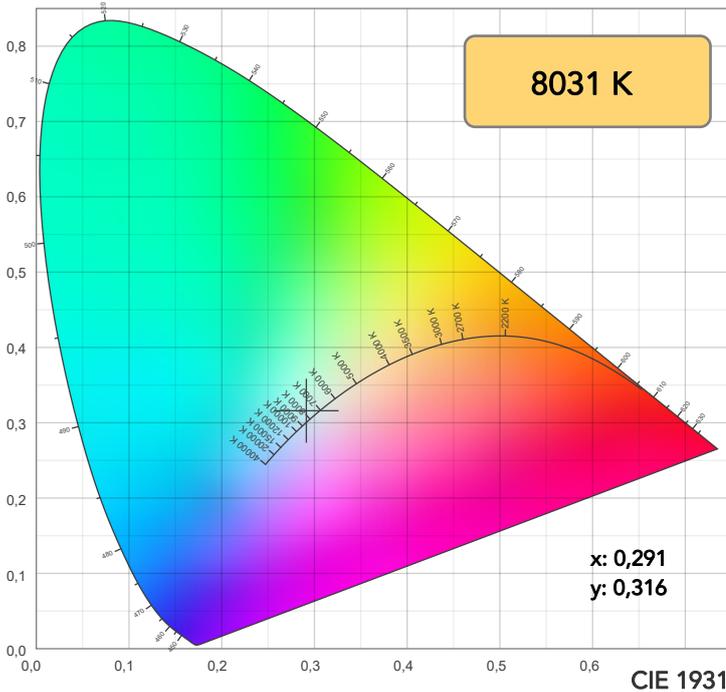
Field angle 10%: 7,8°

Cut off angle 2.5%: 10,6°

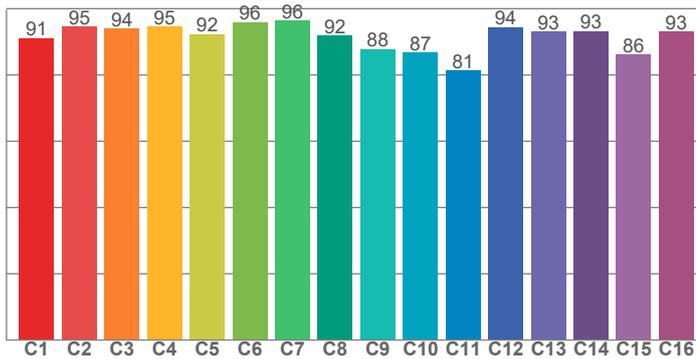
Spectra



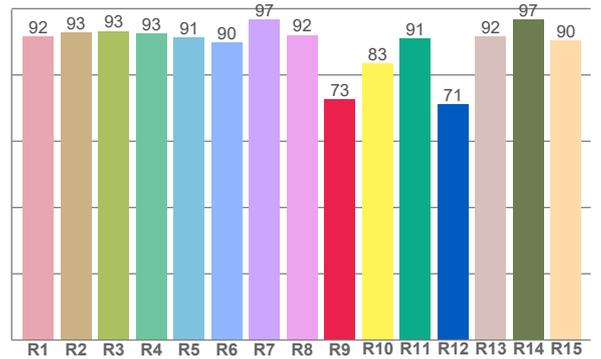
# COLOR DETAILS



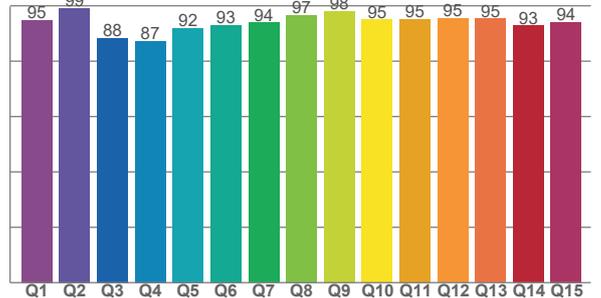
**TM30: 91,7**



**CRI: 92,5 (R1-R8)**



**CQS: 93,3**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
91,6	92,8	93,3	92,6	91,4	89,7	96,7	92,0	72,6	83,4	91,0	71,1	91,6	96,7	90,3

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
91,2	94,5	94,0	94,6	92,4	96,0	96,3	91,9	87,8	86,8	81,3	94,4	93,2	93,3	86,2	93,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,9	99,2	88,3	87,3	91,9	93,0	94,0	96,6	98,1	94,9	95,2	95,5	95,4	92,9	94,0

## COLOR PARAMETERS

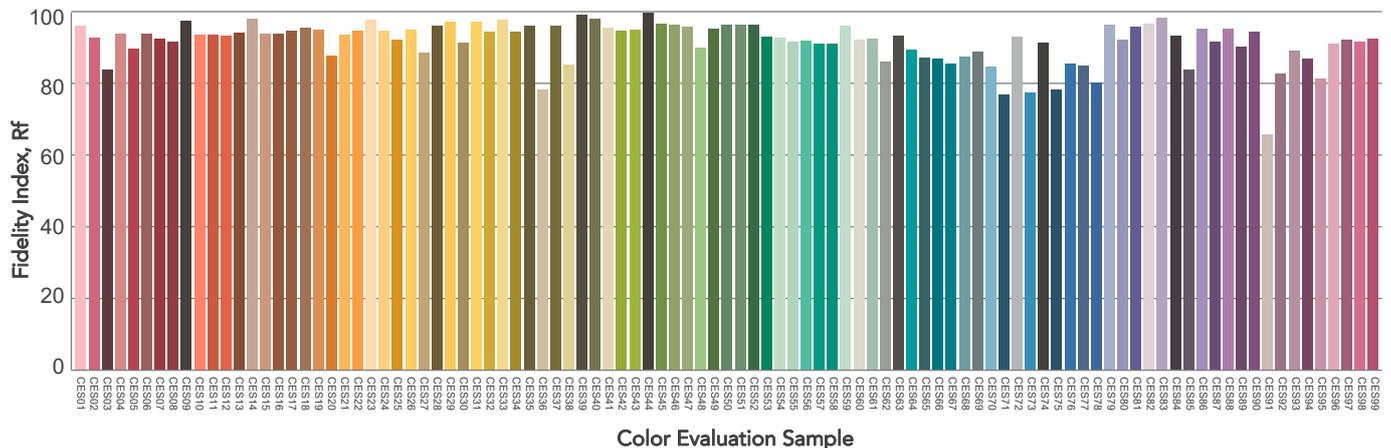
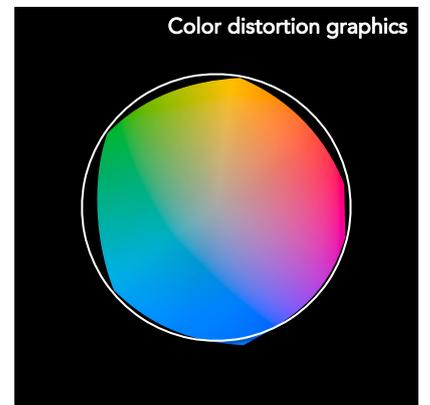
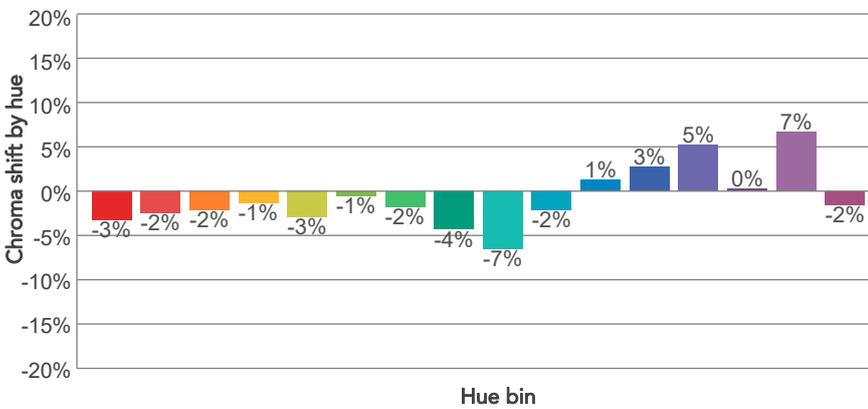
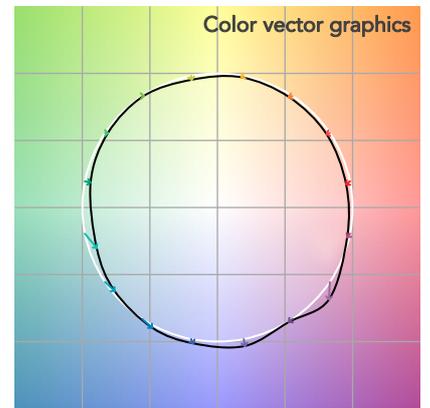
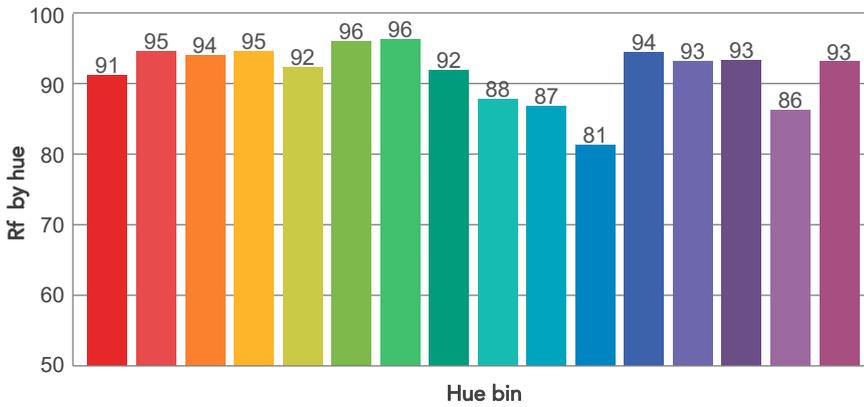
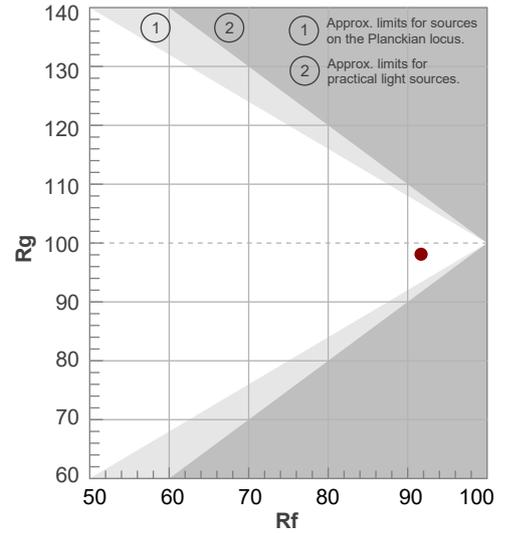
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
8031 K	92,5	72,6	91,7	98,1	93,3	98	0,291	0,316	0,0080

# TM30 DETAILS

**Rf 91,7**  
Fidelity index Rf

**Rg 98,1**  
Gammut index

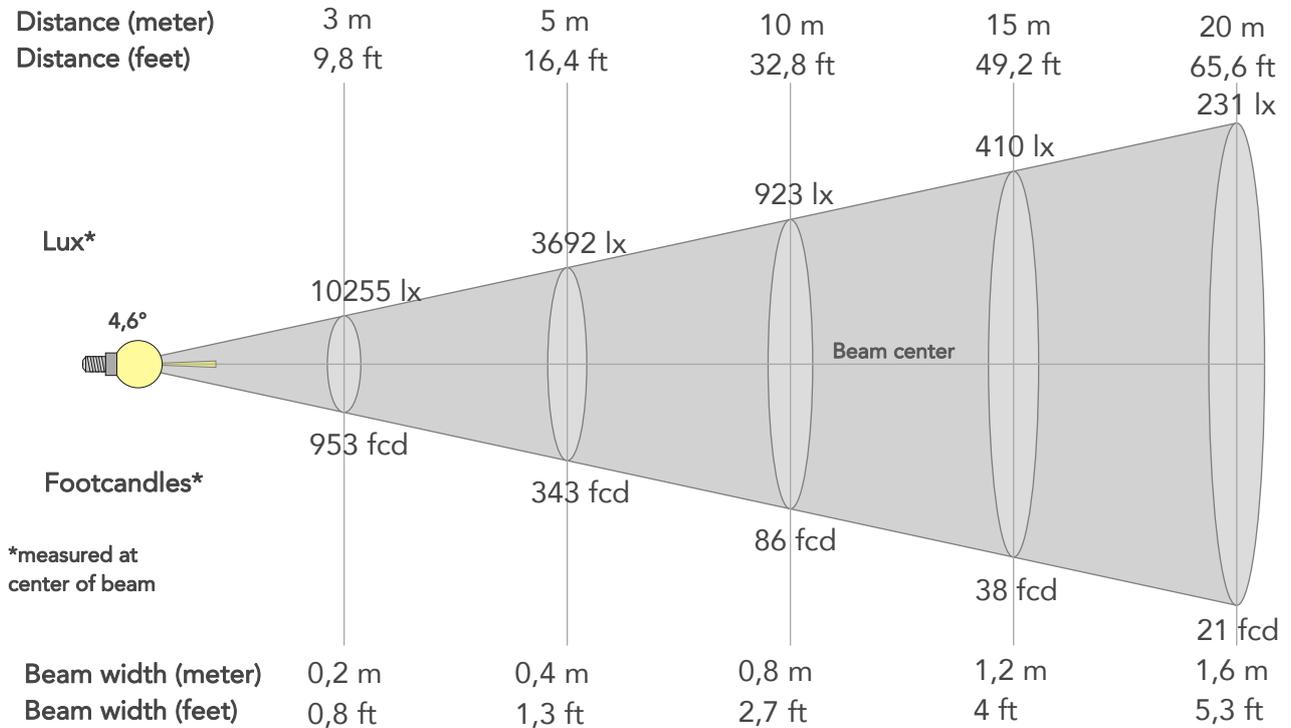
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	-3%	-2%
2	95	-2%	1%
3	94	-2%	2%
4	95	-1%	2%
5	92	-3%	0%
6	96	-1%	-1%
7	96	-2%	-1%
8	92	-4%	0%
9	88	-7%	12%
10	87	-2%	9%
11	81	1%	10%
12	94	3%	2%
13	93	5%	0%
14	93	0%	-3%
15	86	7%	-11%
16	93	-2%	-3%



# BEAM DETAILS



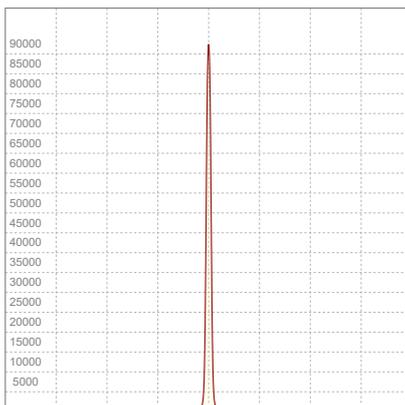
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,6°	7,8°	10,6°	99,8%	98,7%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	92297lx	23074lx	10255lx	5769lx	3692lx	1641lx	923lx	410lx	231lx	148lx	103lx	58lx	37lx
Footcand.	8575fcd	2144fcd	953fcd	536fcd	343fcd	152fcd	86fcd	38fcd	21fcd	14fcd	10fcd	5fcd	3fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1,1ft	1,3ft	2ft	2,7ft	4ft	5,3ft	6,6ft	8ft	10,6ft	13,3ft

## LINEAR DISTRIBUTION DIAGRAM

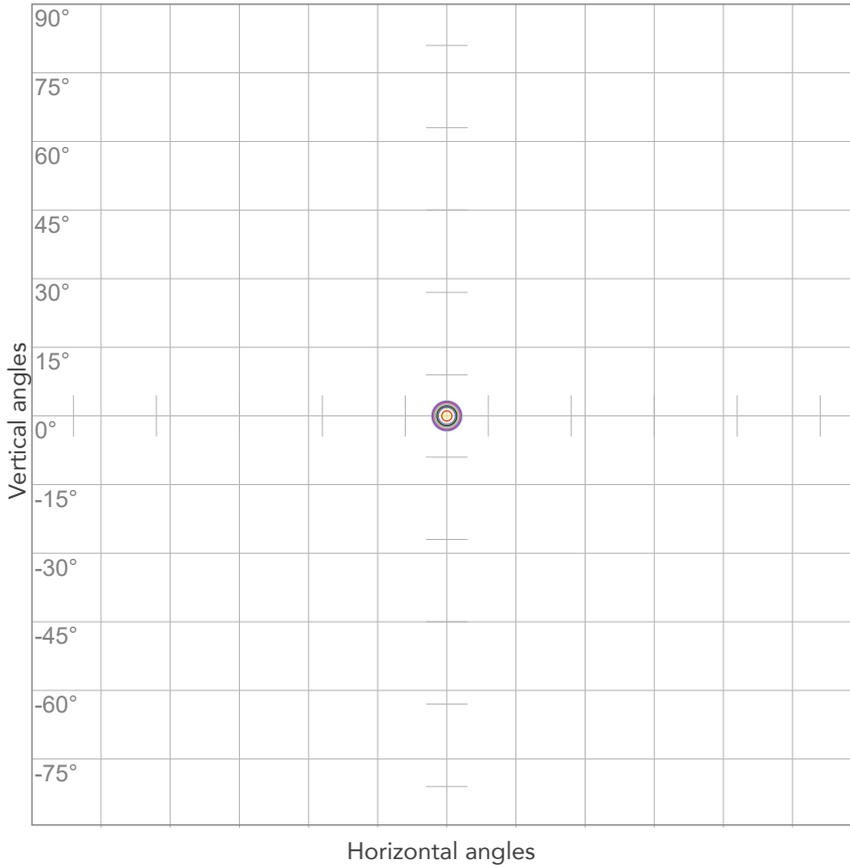


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,208A	22,9W	0,49	38lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



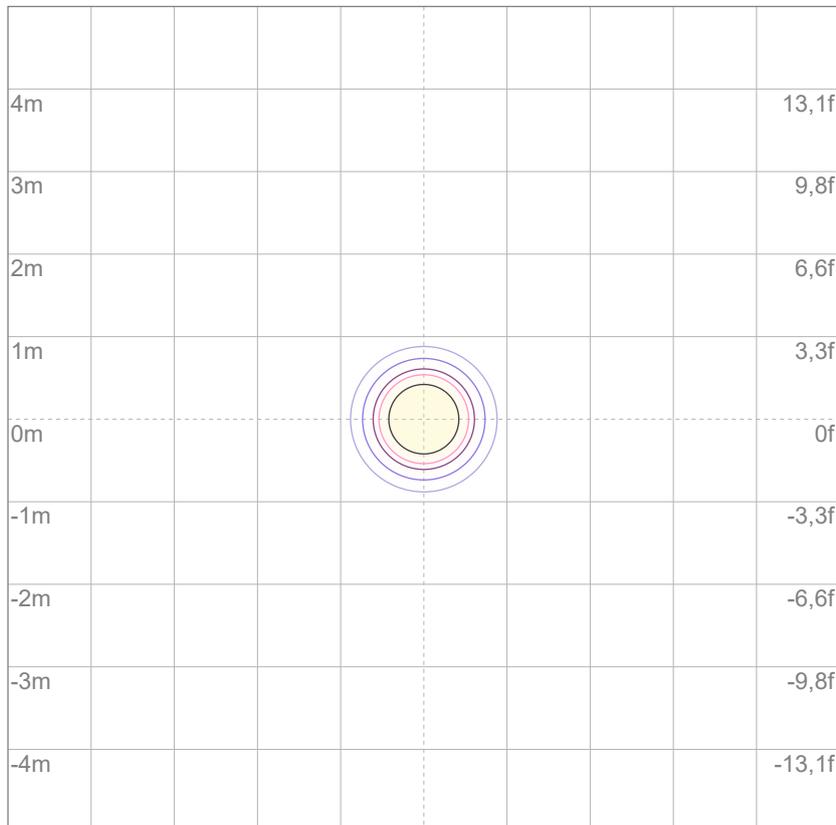
10%	9230 cd
20%	18459 cd
30%	27689 cd
40%	36919 cd
50%	46148 cd
60%	55378 cd
70%	64608 cd
80%	73838 cd

Conditions:

Number of c-planes: 2

Candela at center: 92297 cd

## ISO LUX DIAGRAM



3%	27,7 lx
5%	46,1 lx
10%	92,3 lx
30%	277 lx
50%	461 lx

Conditions:

Number of c-planes: 2

Lux at center: 923 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:

648 lm

Peak candela output:

72387 cd

Light quality:

CRI: 95,5

Color temperature:

2795 K

**PRODUCT NAME:**

ECLPARDOTVW

**MEASUREMENT CONDITIONS:**

Beam angle:

Original Optic

Target:

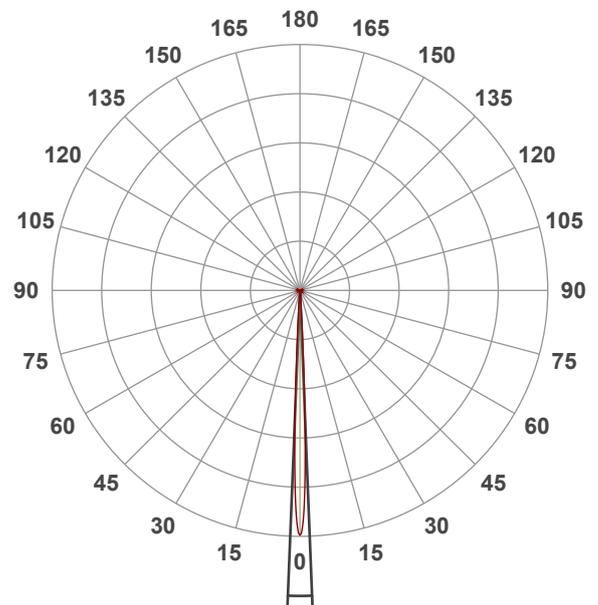
2800K

Operator:

Giuseppe della Peruta

Date and time:

06/02/2026 13:03:27

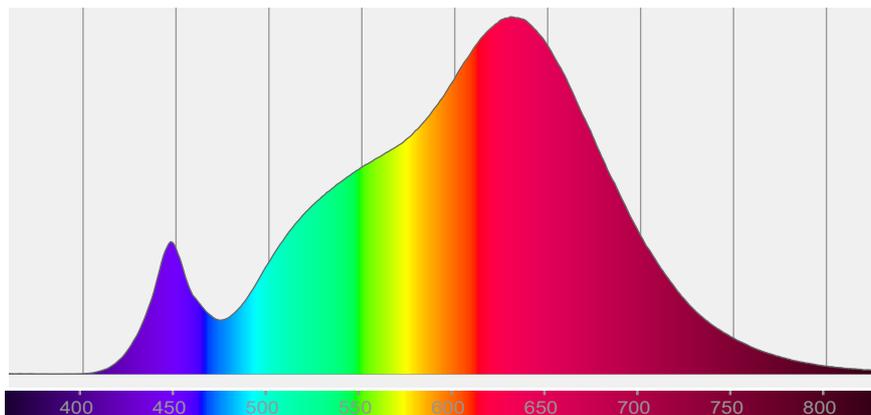


Beam angle 50%: 4,5°

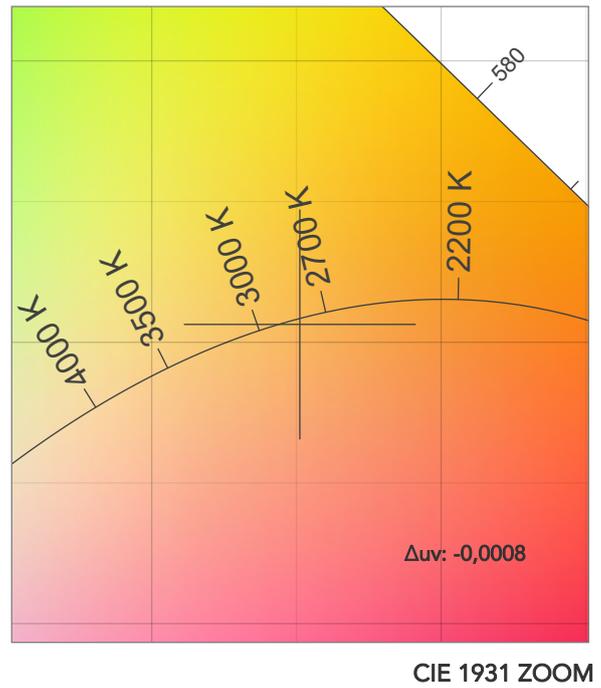
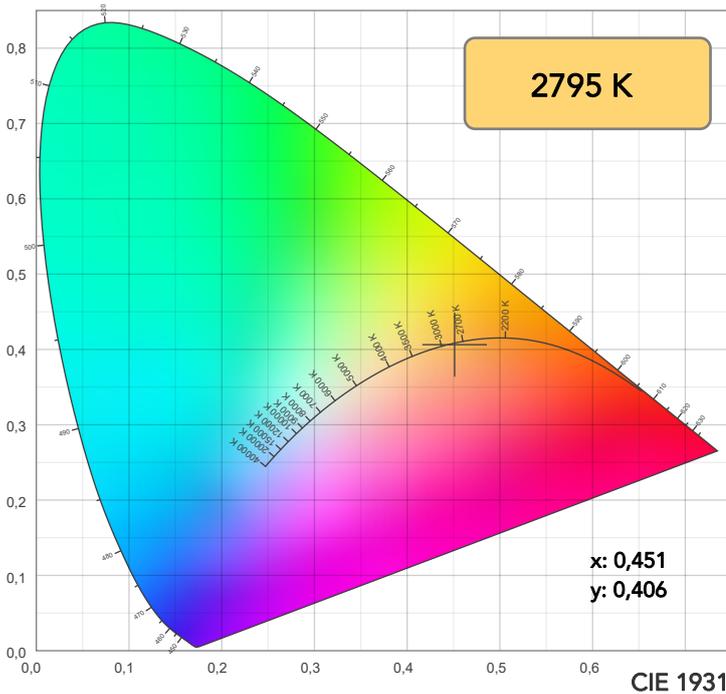
Field angle 10%: 7,5°

Cut off angle 2.5%: 10,4°

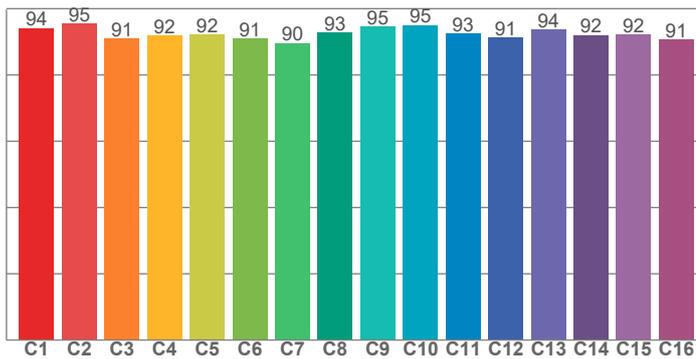
Spectra



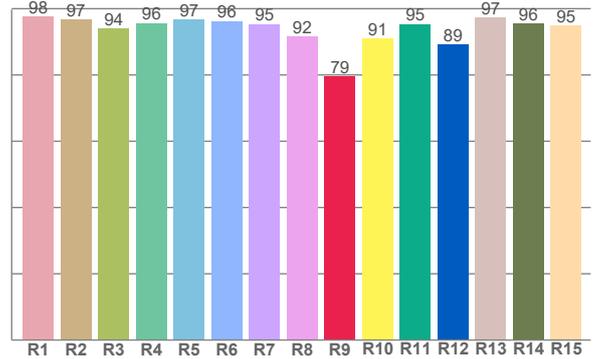
# COLOR DETAILS



**TM30: 92,7**



**CRI: 95,5 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,6	96,8	94,0	95,7	96,7	96,3	95,4	91,5	79,5	91,1	95,4	89,2	97,4	95,6	94,8

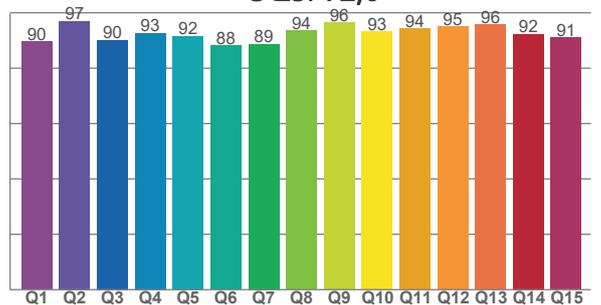
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
89,6	97,0	90,1	92,6	91,7	88,1	88,8	93,6	96,5	93,1	94,3	95,1	95,8	92,2	91,1

**CQS: 92,0**



## COLOR PARAMETERS

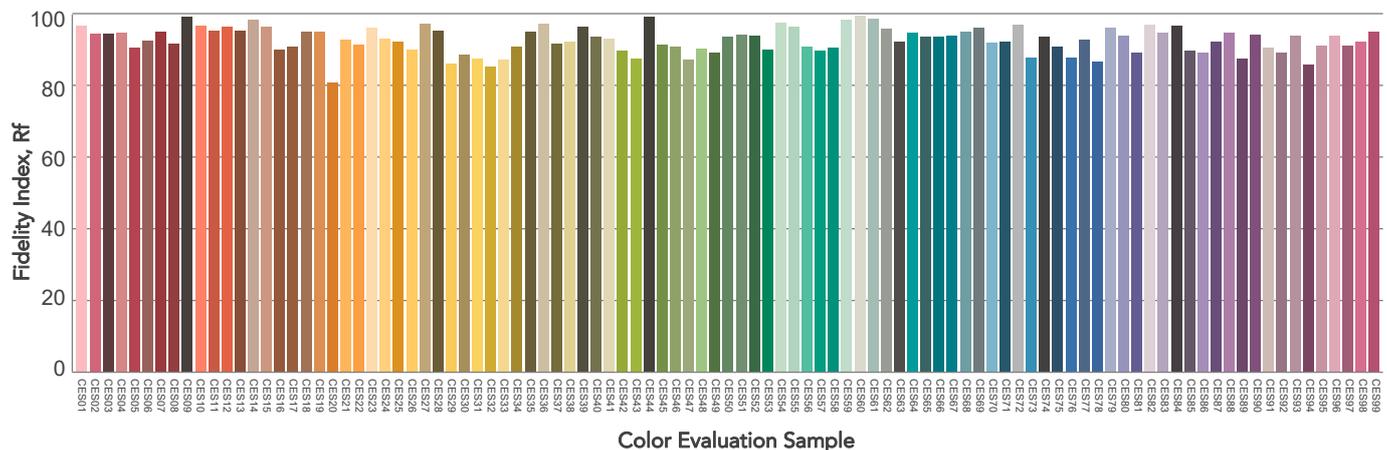
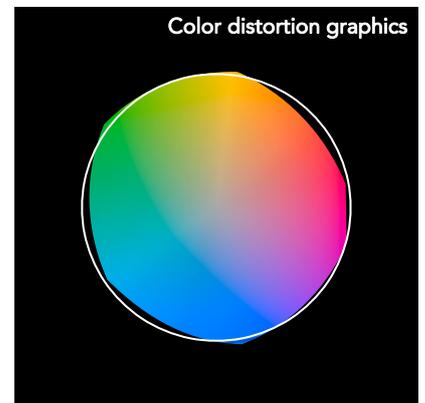
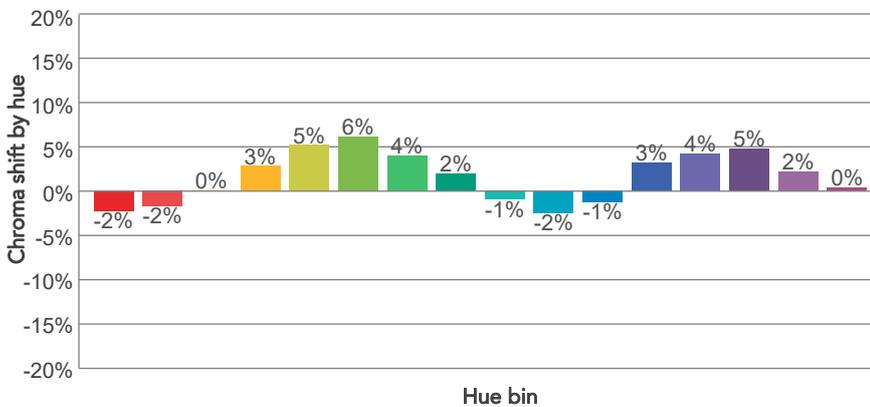
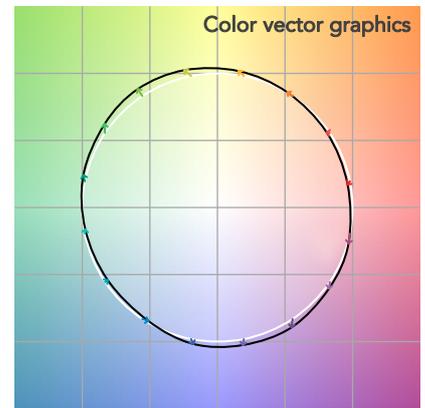
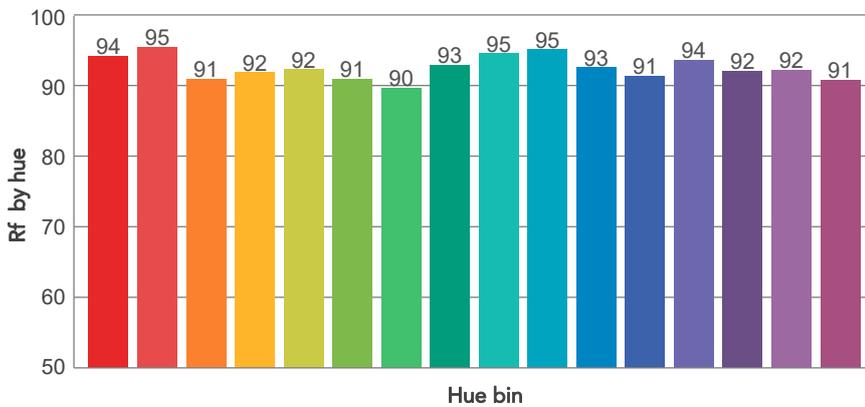
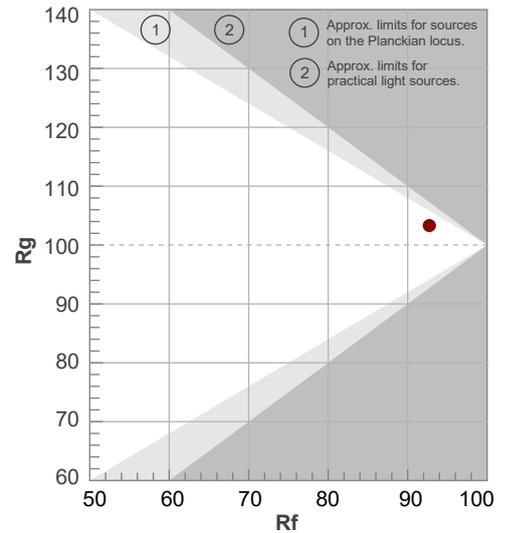
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
2795 K	95,5	79,5	92,7	103,3	92,0	92	0,451	0,406	-0,0008

# TM30 DETAILS

**Rf 92,7**  
Fidelity index Rf

**Rg 103,3**  
Gammut index

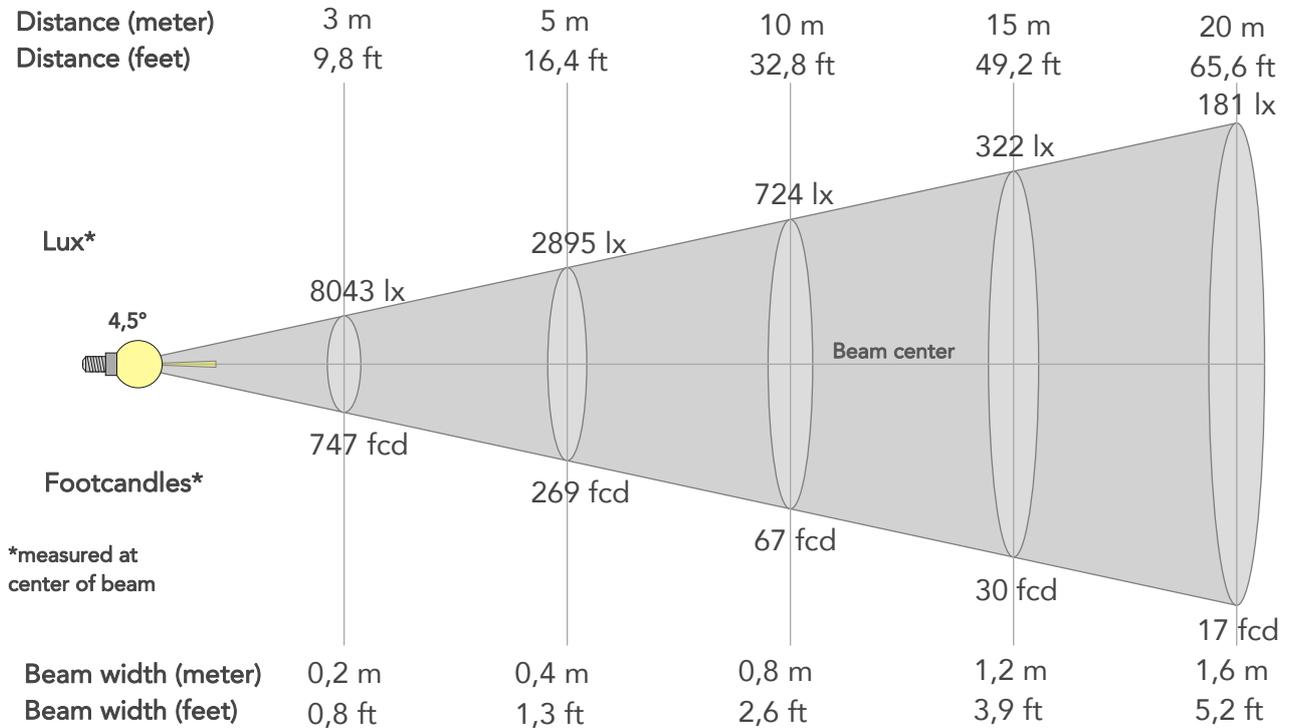
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	-2%
2	95	-2%	2%
3	91	0%	5%
4	92	3%	5%
5	92	5%	4%
6	91	6%	0%
7	90	4%	-5%
8	93	2%	-4%
9	95	-1%	-3%
10	95	-2%	0%
11	93	-1%	5%
12	91	3%	2%
13	94	4%	-2%
14	92	5%	-4%
15	92	2%	-4%
16	91	0%	-7%



# BEAM DETAILS



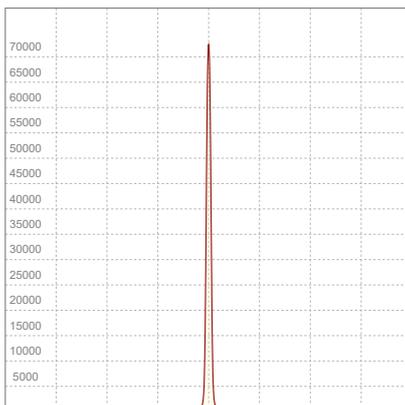
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,5°	7,5°	10,4°	99,5%	98,3%



## 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	72387lx	18097lx	8043lx	4524lx	2895lx	1287lx	724lx	322lx	181lx	116lx	80lx	45lx	29lx
Footcand.	6725fcd	1681fcd	747fcd	420fcd	269fcd	120fcd	67fcd	30fcd	17fcd	11fcd	7fcd	4fcd	3fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,1m	3,9m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,6ft	3,9ft	5,2ft	6,4ft	7,7ft	10,3ft	12,9ft

## LINEAR DISTRIBUTION DIAGRAM

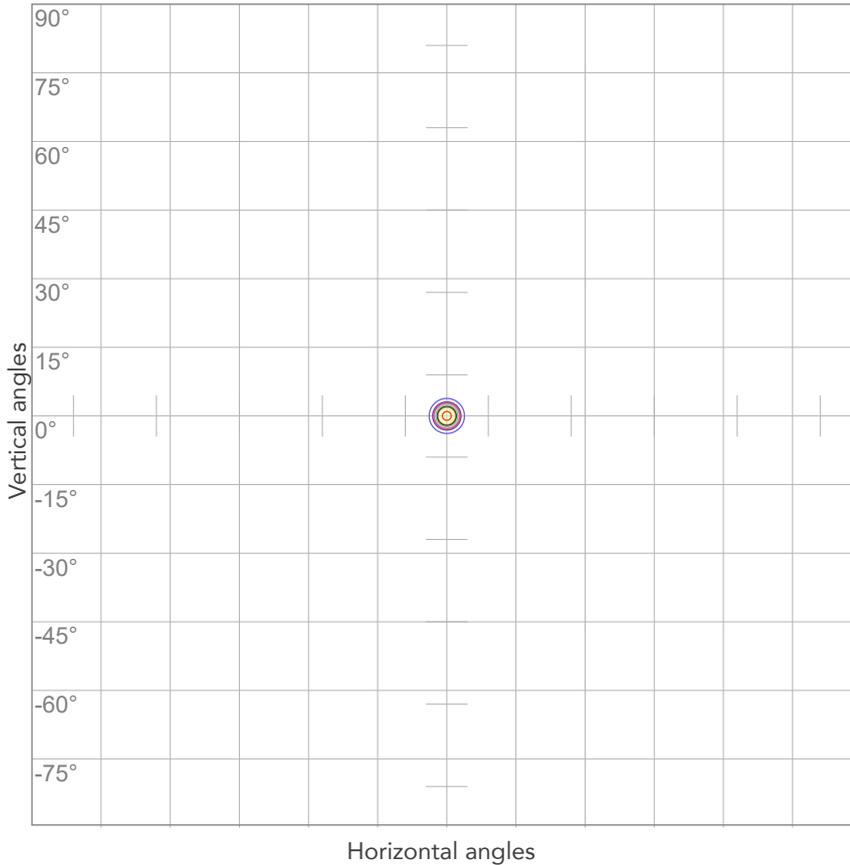


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
228V	0,211A	23,5W	0,49	28lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



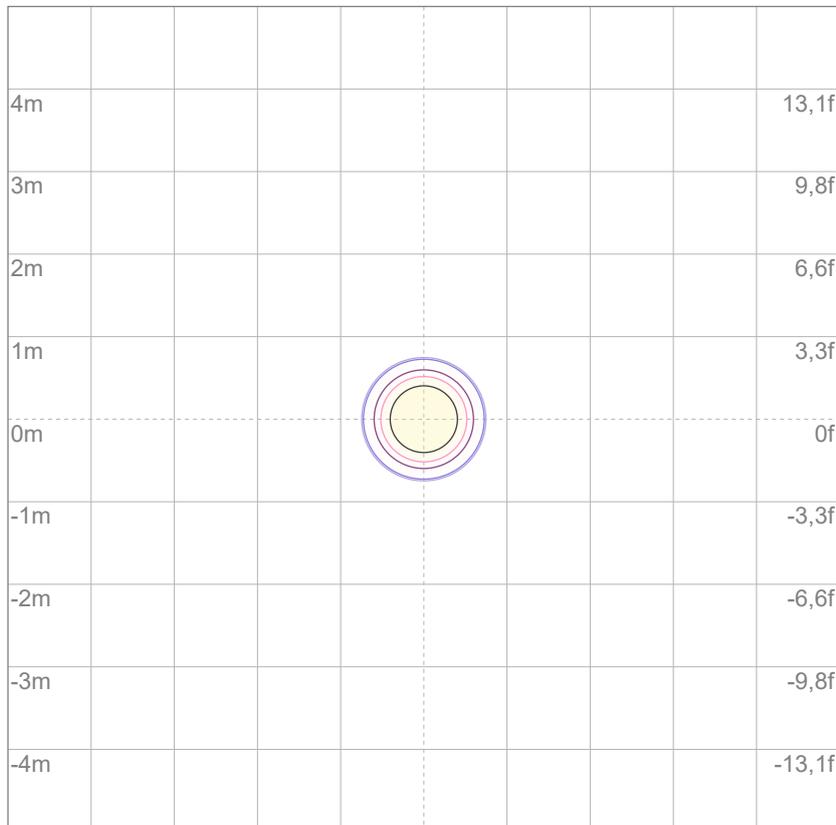
10%	7239 cd
20%	14477 cd
30%	21716 cd
40%	28955 cd
50%	36194 cd
60%	43432 cd
70%	50671 cd
80%	57910 cd

Conditions:

Number of c-planes: 2

Candela at center: 72387 cd

## ISO LUX DIAGRAM



3%	21,7 lx
5%	36,2 lx
10%	72,4 lx
30%	217 lx
50%	362 lx

Conditions:

Number of c-planes: 2

Lux at center: 724 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:

753 lm

Peak candela output:

83733 cd

Light quality:

CRI: 96,7

Color temperature:

3245 K

**PRODUCT NAME:**

ECLPARDOTVW

**MEASUREMENT CONDITIONS:**

Beam angle:

Original Optic

Target:

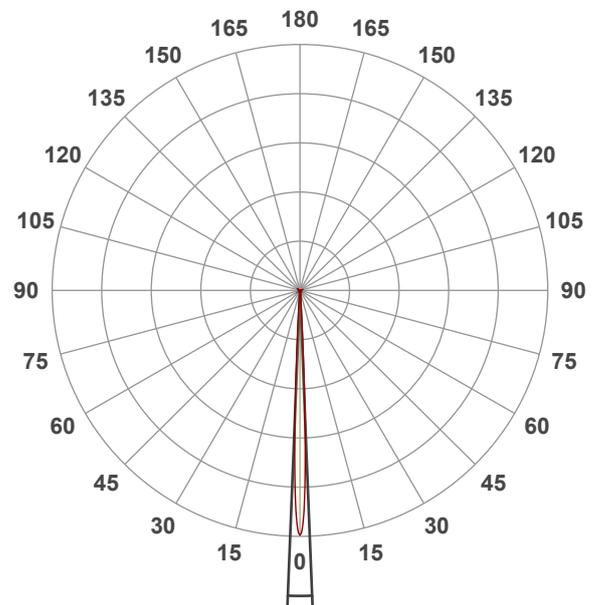
3200K

Operator:

Giuseppe della Peruta

Date and time:

06/02/2026 13:25:10

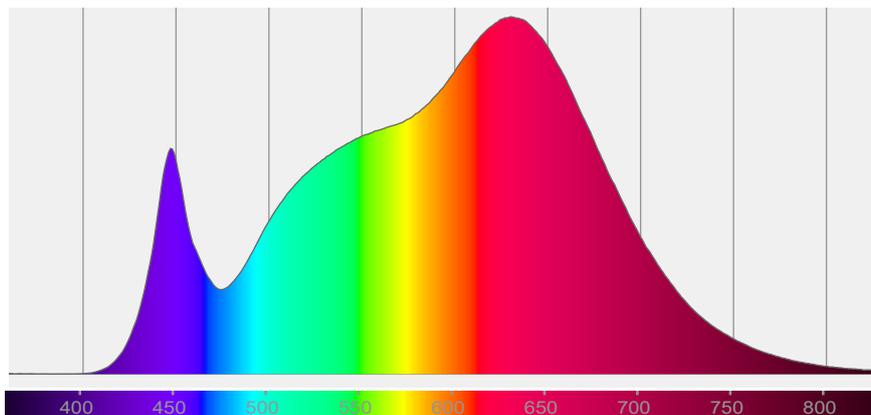


Beam angle 50%: 4,5°

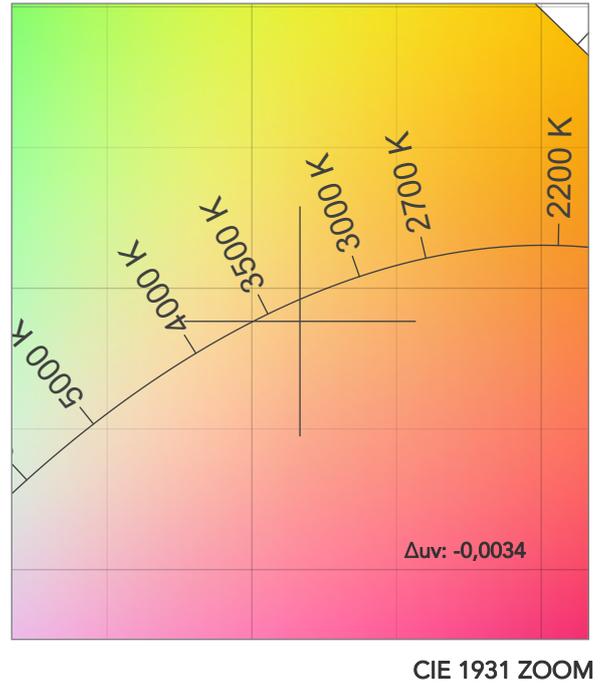
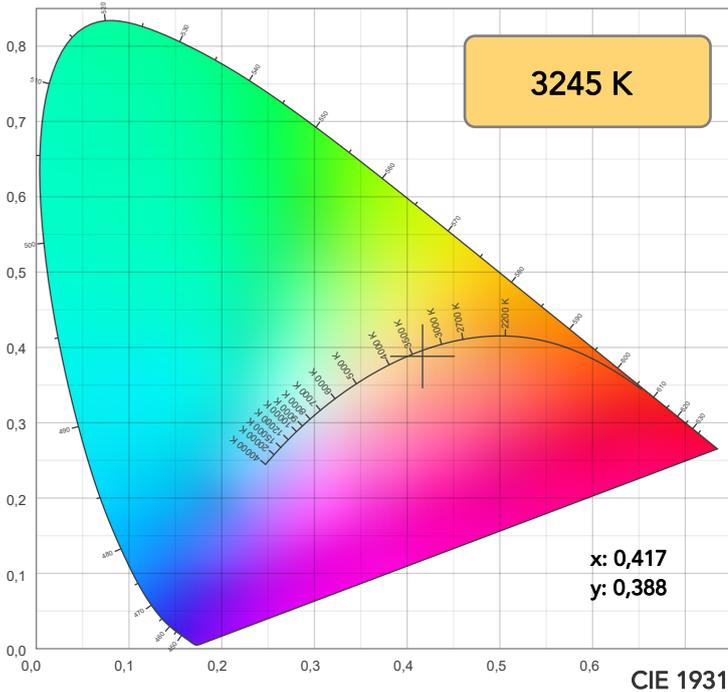
Field angle 10%: 7,6°

Cut off angle 2.5%: 10,4°

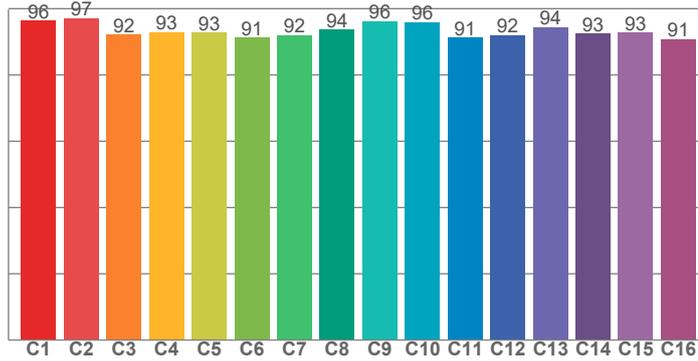
Spectra



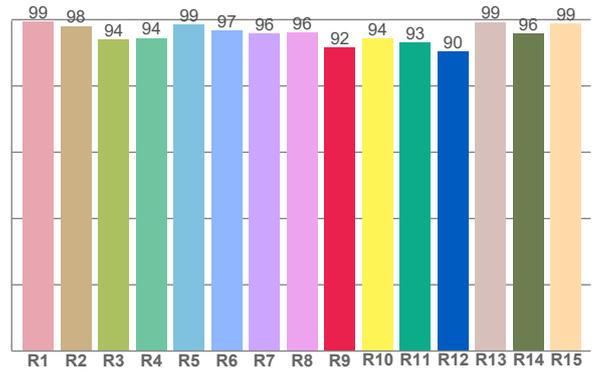
# COLOR DETAILS



TM30: 93,6



CRI: 96,7 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,4	98,1	94,0	94,5	98,7	96,8	95,8	96,2	91,7	94,4	93,1	90,4	99,3	95,8	98,8

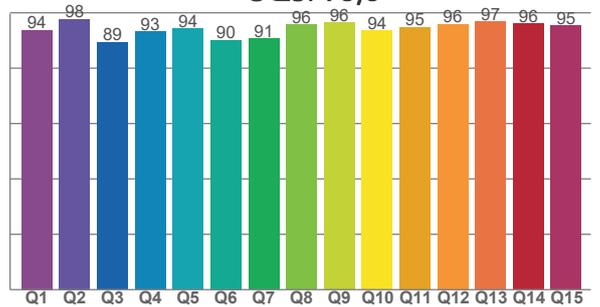
TM30 C values, 16 binned values out of total of 99 C values

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

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,8	97,7	89,3	93,3	94,3	90,1	90,7	95,7	96,4	93,6	94,8	95,8	96,9	96,1	95,3

CQS: 93,6



## COLOR PARAMETERS

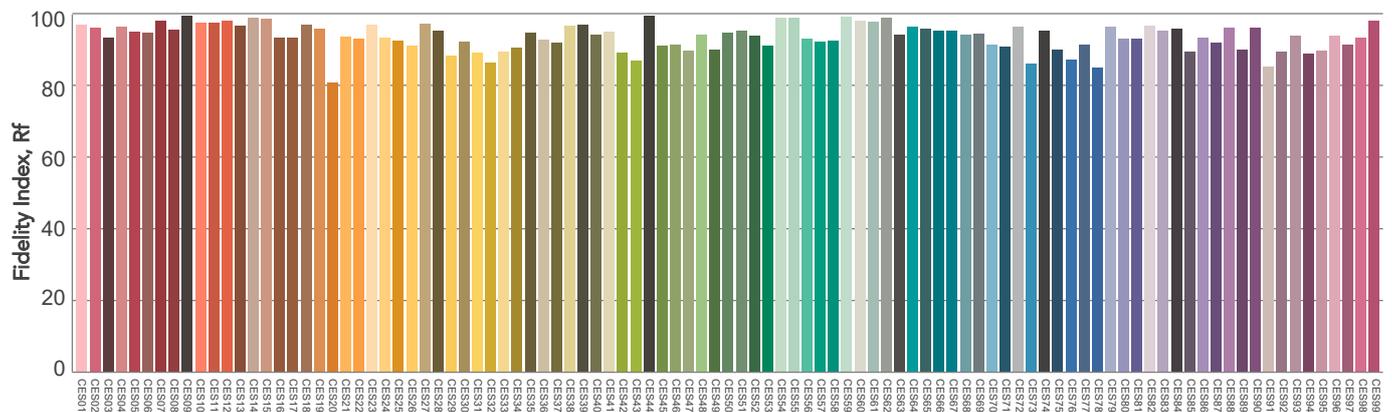
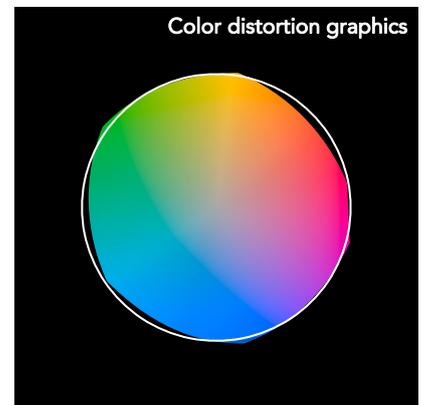
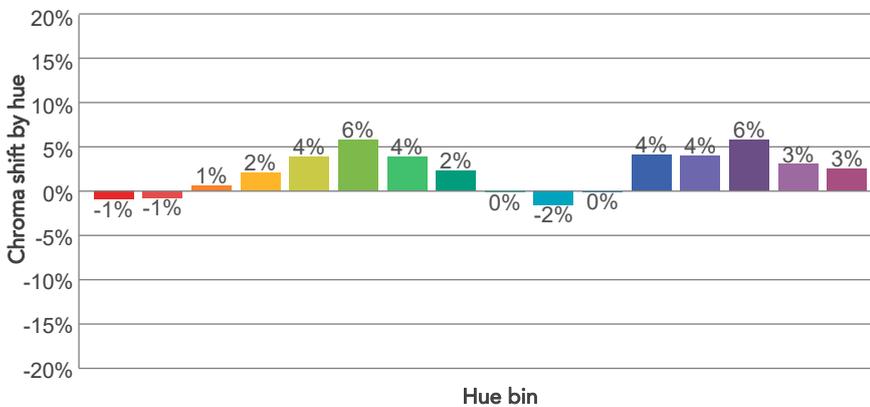
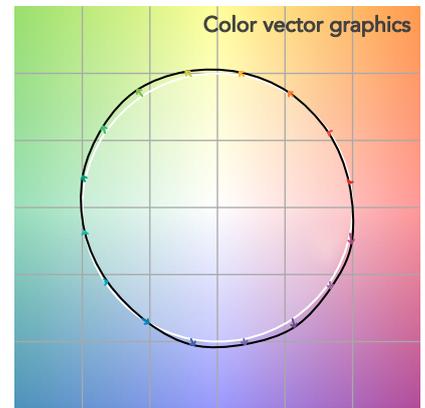
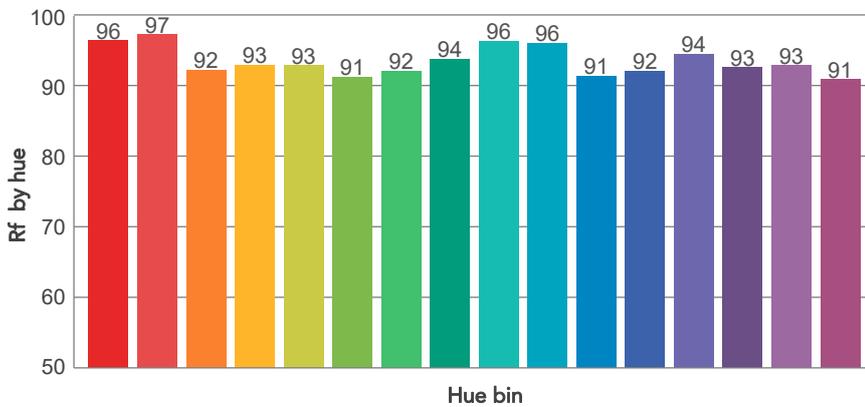
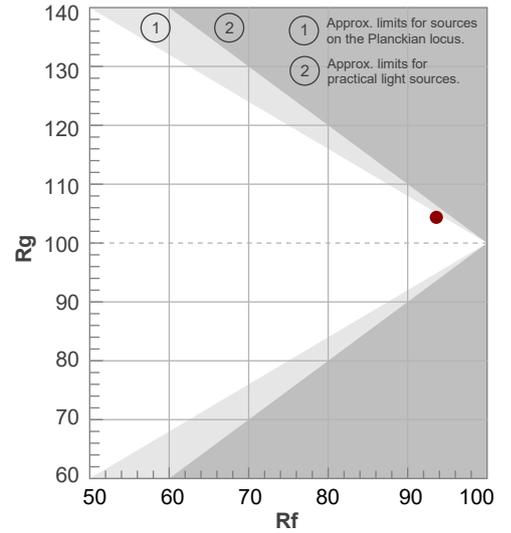
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
3245 K	96,7	91,7	93,6	104,4	93,6	95	0,417	0,388	-0,0034

# TM30 DETAILS

**Rf 93,6**  
Fidelity index Rf

**Rg 104,4**  
Gammut index

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

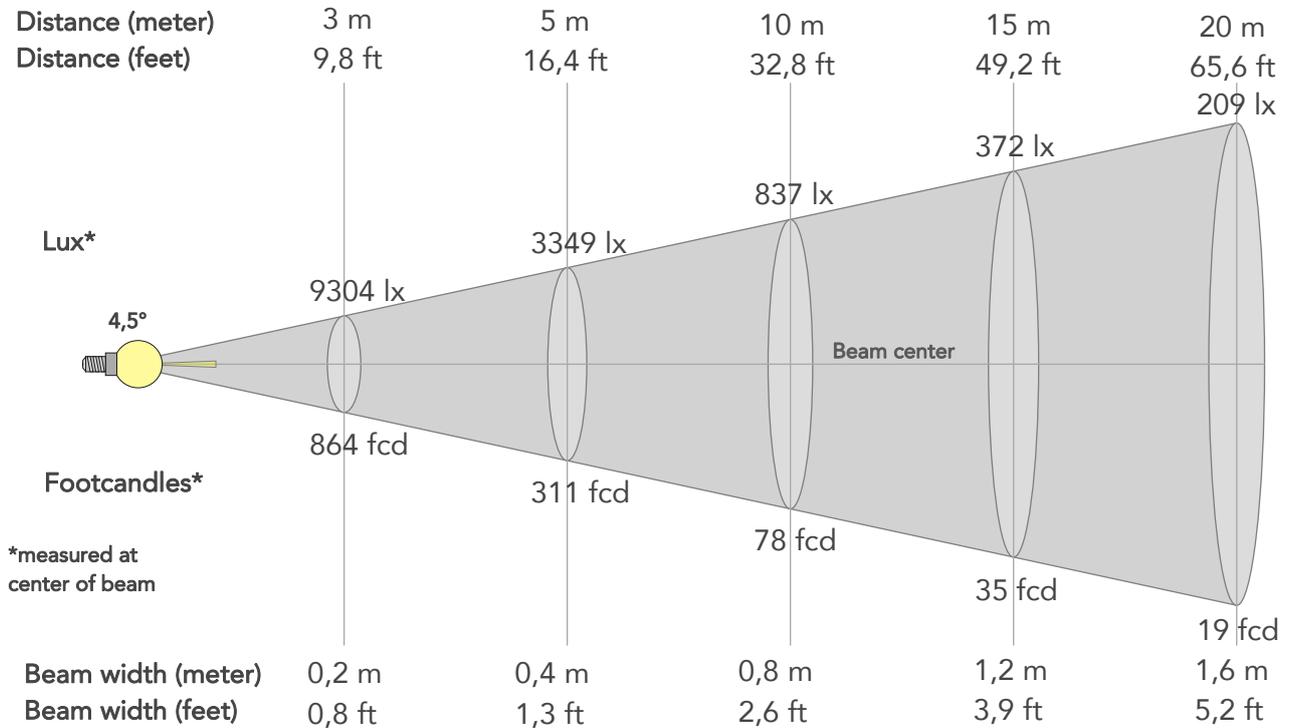


Color Evaluation Sample

# BEAM DETAILS



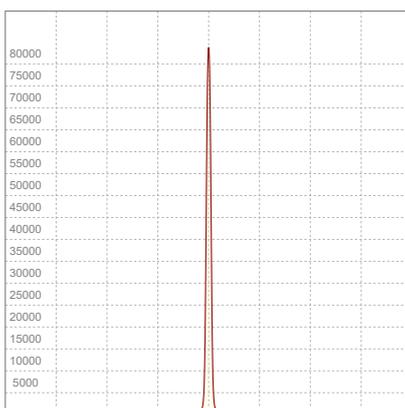
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,5°	7,6°	10,4°	99,6%	98,5%



## 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	83733lx	20933lx	9304lx	5233lx	3349lx	1489lx	837lx	372lx	209lx	134lx	93lx	52lx	33lx
Footcand.	7779fcd	1945fcd	864fcd	486fcd	311fcd	138fcd	78fcd	35fcd	19fcd	12fcd	9fcd	5fcd	3fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	1,9ft	2,6ft	3,9ft	5,2ft	6,5ft	7,8ft	10,4ft	13ft

## LINEAR DISTRIBUTION DIAGRAM

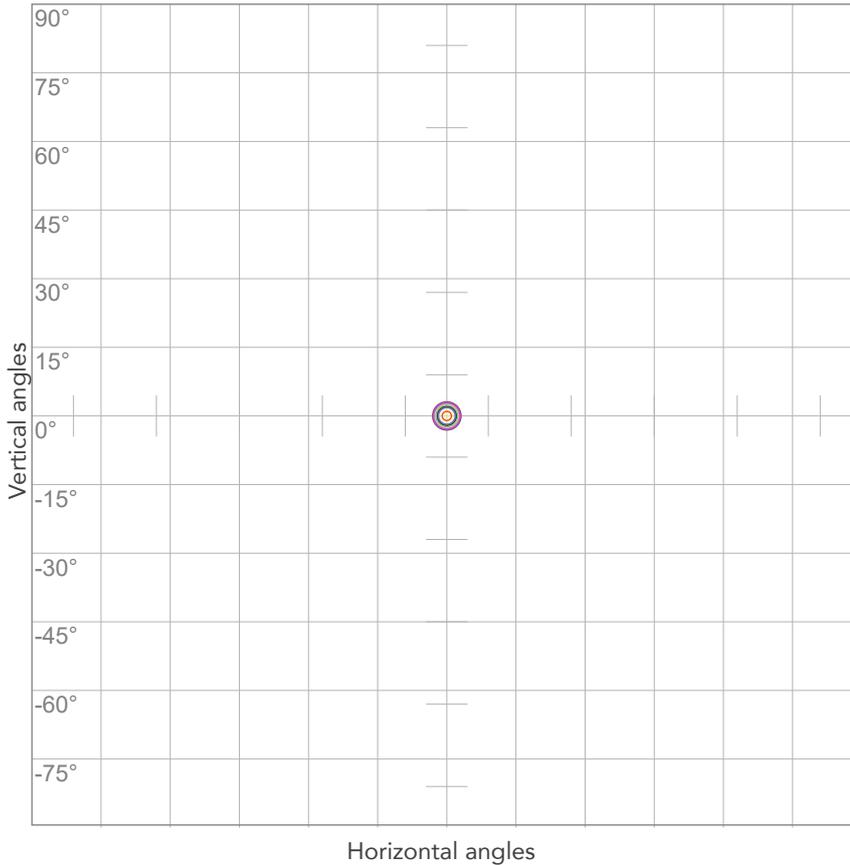


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,202A	24,0W	0,52	31lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



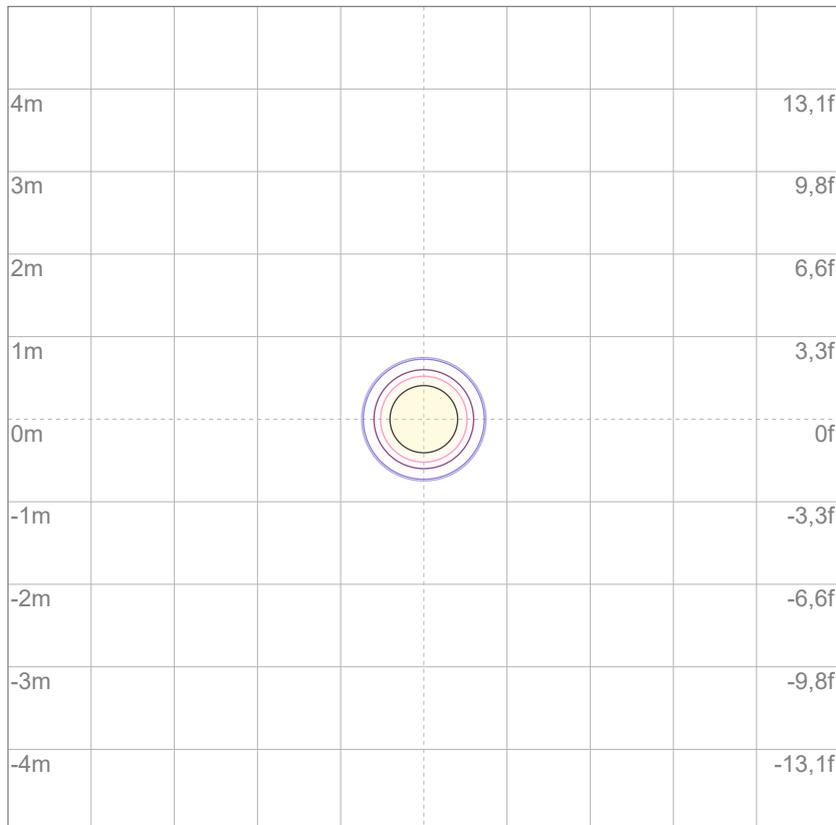
10%	8373 cd
20%	16747 cd
30%	25120 cd
40%	33493 cd
50%	41867 cd
60%	50240 cd
70%	58613 cd
80%	66986 cd

Conditions:

Number of c-planes: 2

Candela at center: 83733 cd

## ISO LUX DIAGRAM



3%	25,1 lx
5%	41,9 lx
10%	83,7 lx
30%	251 lx
50%	419 lx

Conditions:

Number of c-planes: 2

Lux at center: 837 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:

790 lm

Peak candela output:

86325 cd

Light quality:

CRI: 96,4

Color temperature:

4027 K

**PRODUCT NAME:**

ECLPARDOTVW

**MEASURAMENT CONDITIONS:**

Beam angle:

Original Optic

Target:

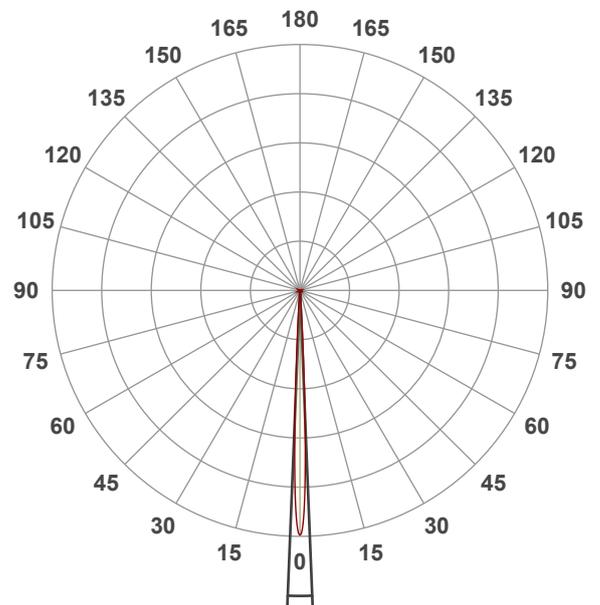
4000K

Operator:

Giuseppe della Peruta

Date and time:

06/02/2026 13:30:28

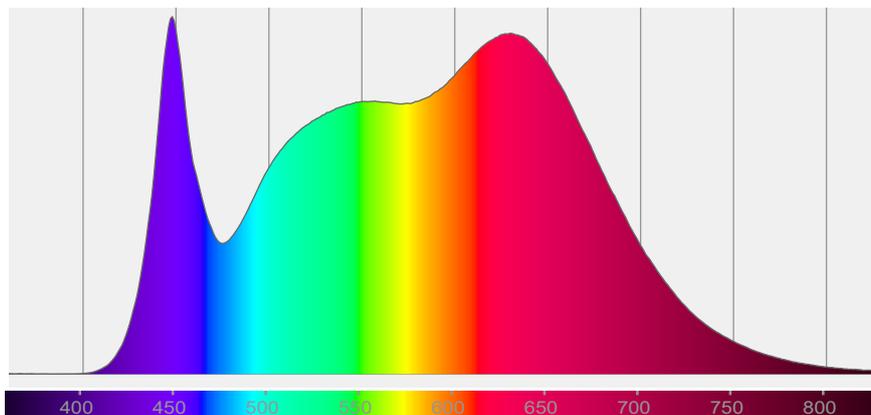


Beam angle 50%: 4,6°

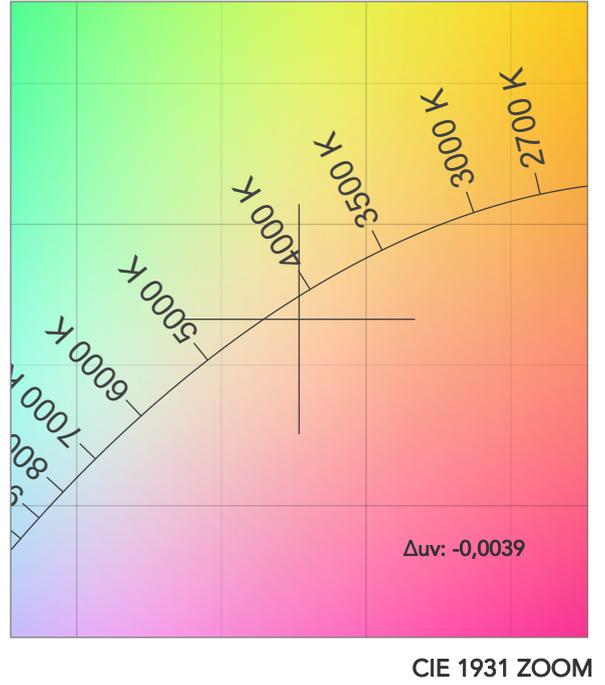
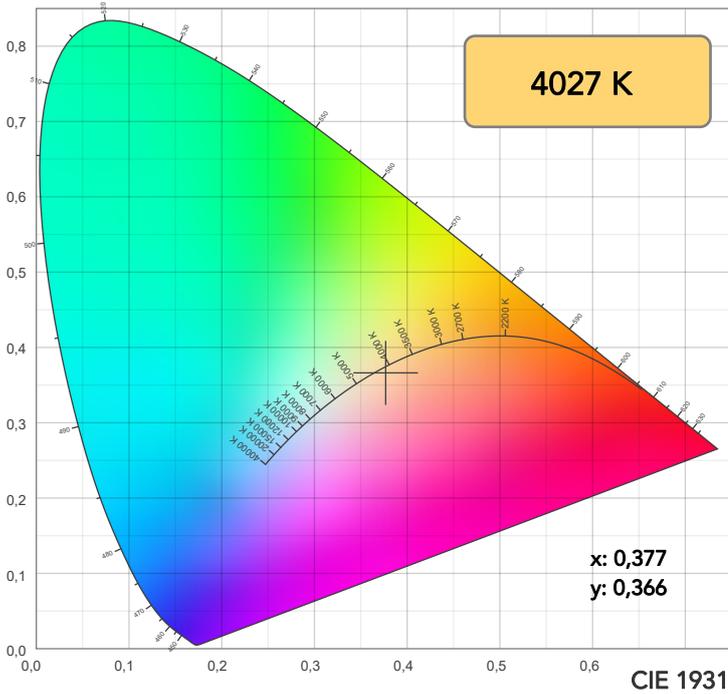
Field angle 10%: 7,6°

Cut off angle 2.5%: 10,5°

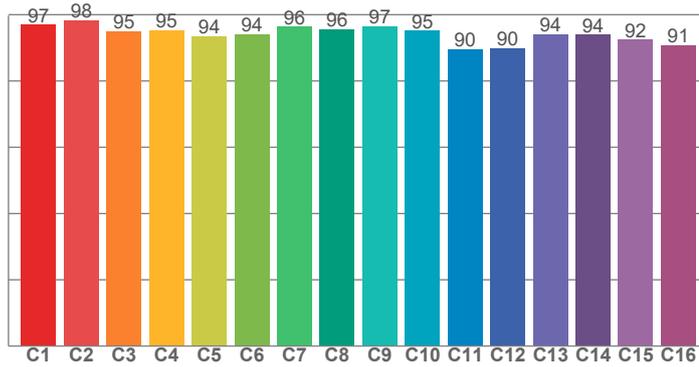
Spectra



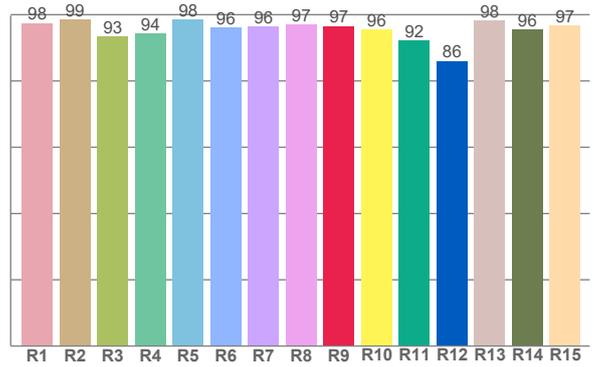
# COLOR DETAILS



**TM30: 94,4**



**CRI: 96,4 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,5	98,5	93,4	94,2	98,5	96,1	96,5	96,9	96,6	95,6	92,3	86,0	98,2	95,6	96,8

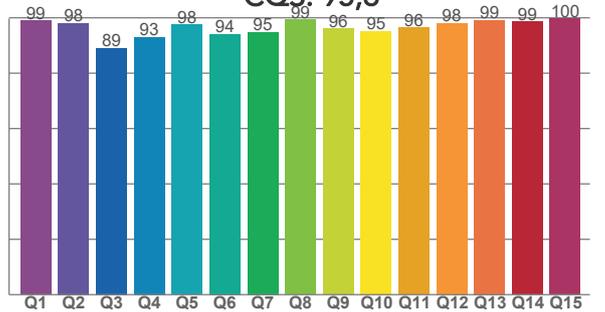
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97,1	98,3	95,0	95,3	93,5	94,2	96,4	95,7	96,5	95,2	89,6	89,9	94,1	94,0	92,5	90,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,0	98,2	89,1	92,9	97,5	94,1	94,9	99,3	96,1	95,2	96,5	98,1	99,2	98,6	99,6

**CQS: 95,6**



## COLOR PARAMETERS

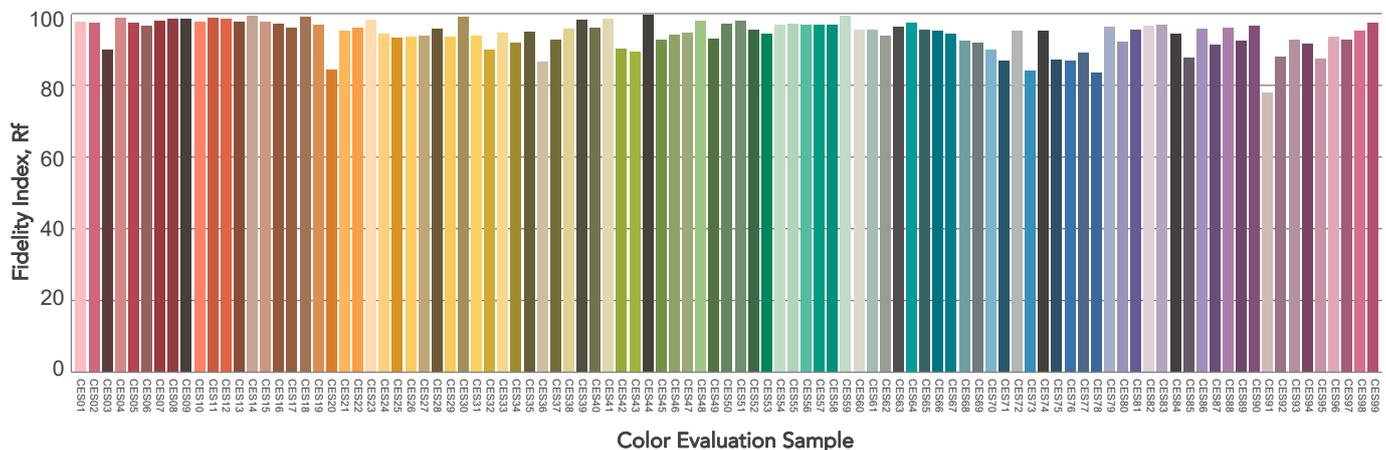
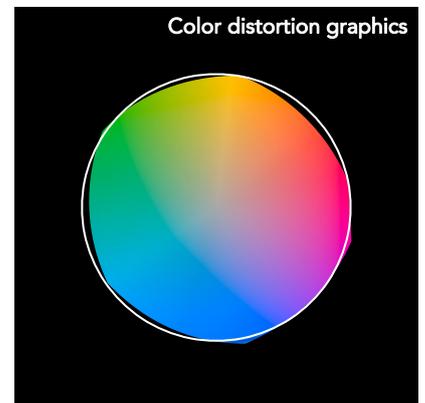
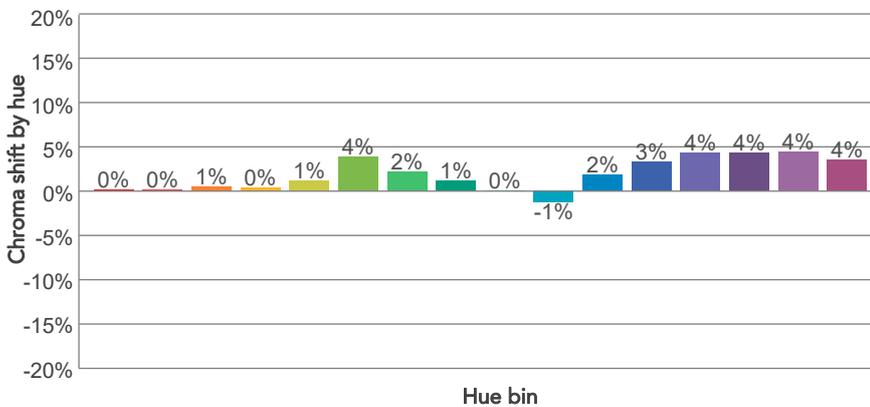
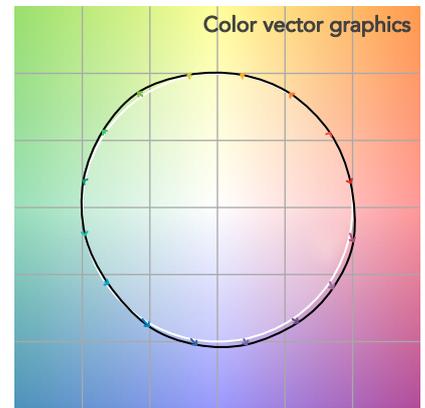
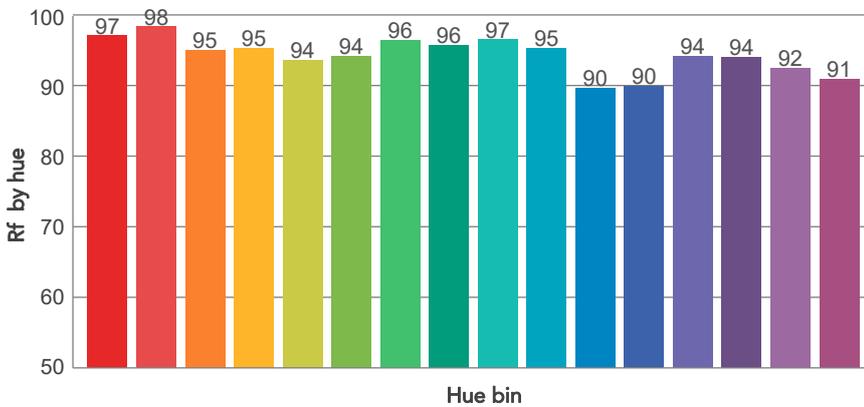
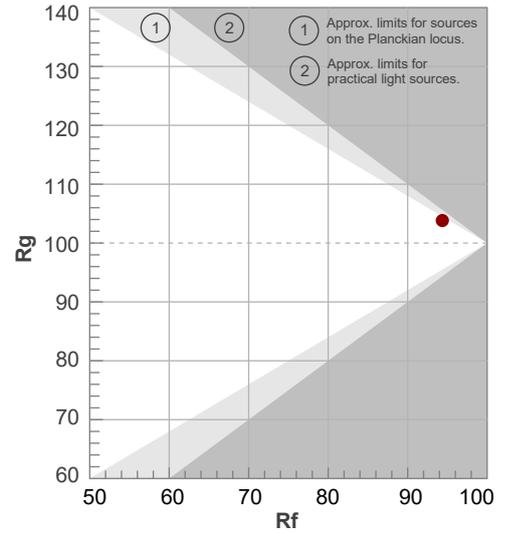
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4027 K	96,4	96,6	94,4	103,8	95,6	97	0,377	0,366	-0,0039

# TM30 DETAILS

**Rf 94,4**  
Fidelity index Rf

**Rg 103,8**  
Gammut index

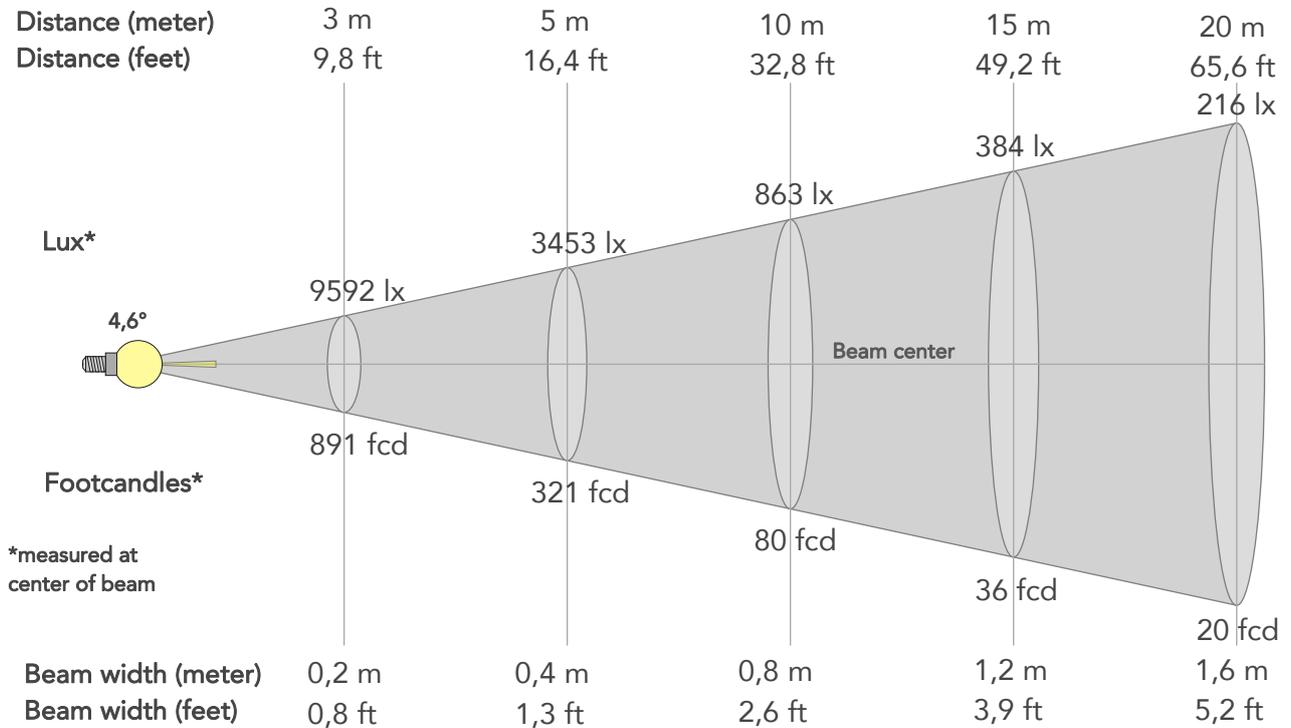
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	-1%
2	98	0%	0%
3	95	1%	2%
4	95	0%	2%
5	94	1%	2%
6	94	4%	1%
7	96	2%	-1%
8	96	1%	0%
9	97	0%	1%
10	95	-1%	2%
11	90	2%	7%
12	90	3%	5%
13	94	4%	1%
14	94	4%	2%
15	92	4%	-3%
16	91	4%	-5%



# BEAM DETAILS



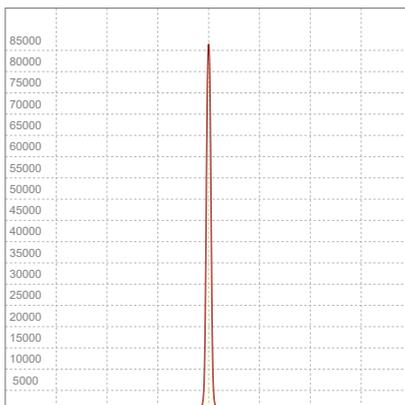
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,6°	7,6°	10,5°	99,4%	98,2%



## BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	86325lx	21581lx	9592lx	5395lx	3453lx	1535lx	863lx	384lx	216lx	138lx	96lx	54lx	35lx
Footcand.	8020fcd	2005fcd	891fcd	501fcd	321fcd	143fcd	80fcd	36fcd	20fcd	13fcd	9fcd	5fcd	3fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1ft	1,3ft	2ft	2,6ft	3,9ft	5,2ft	6,5ft	7,8ft	10,4ft	13,1ft

## LINEAR DISTRIBUTION DIAGRAM

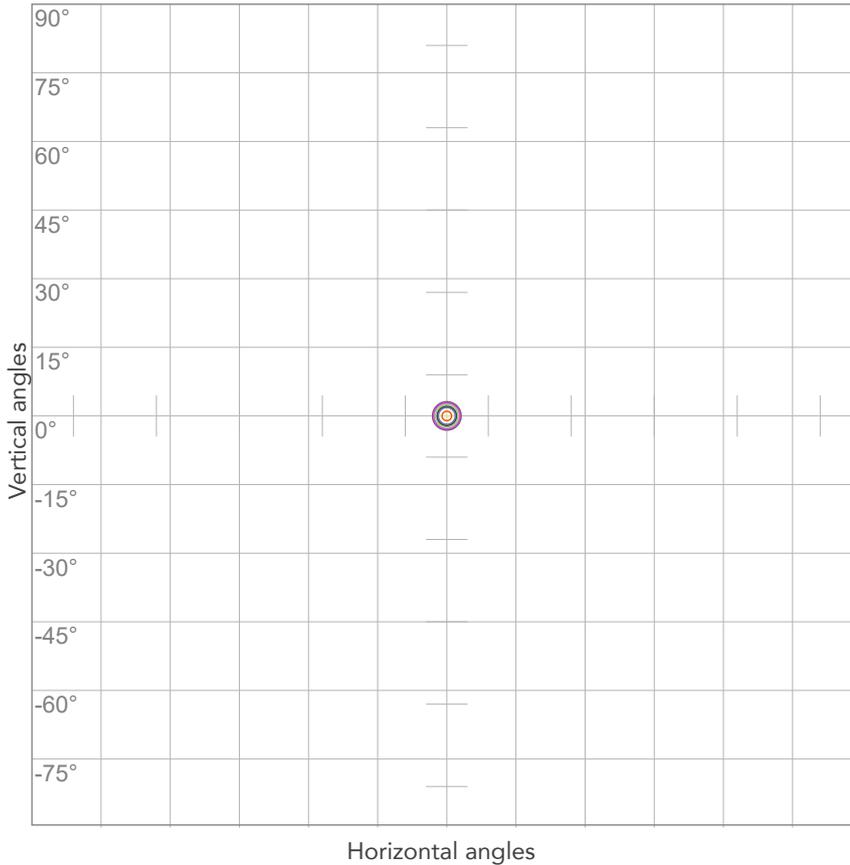


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,220A	24,7W	0,5	32lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



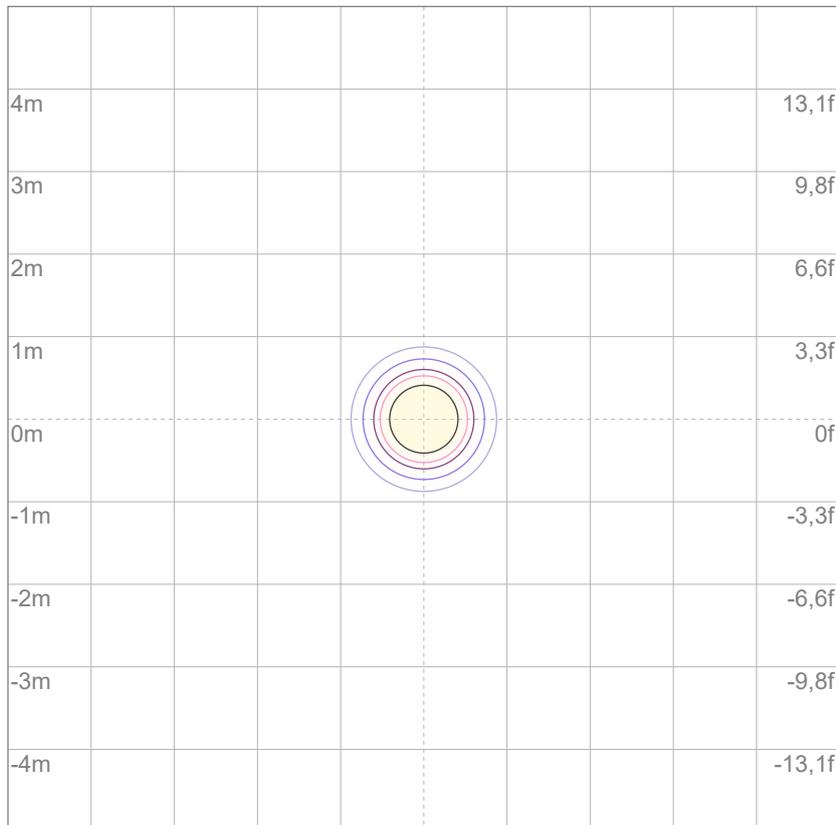
10%	8633 cd
20%	17265 cd
30%	25898 cd
40%	34530 cd
50%	43163 cd
60%	51795 cd
70%	60428 cd
80%	69060 cd

Conditions:

Number of c-planes: 2

Candela at center: 86325 cd

## ISO LUX DIAGRAM



3%	25,9 lx
5%	43,2 lx
10%	86,3 lx
30%	259 lx
50%	432 lx

Conditions:

Number of c-planes: 2

Lux at center: 863 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:

889 lm

Peak candela output:

95265 cd

Light quality:

CRI: 96,1

Color temperature:

5601 K

**PRODUCT NAME:**

ECLPARDOTVW

**MEASUREMENT CONDITIONS:**

Beam angle:

Original Optic

Target:

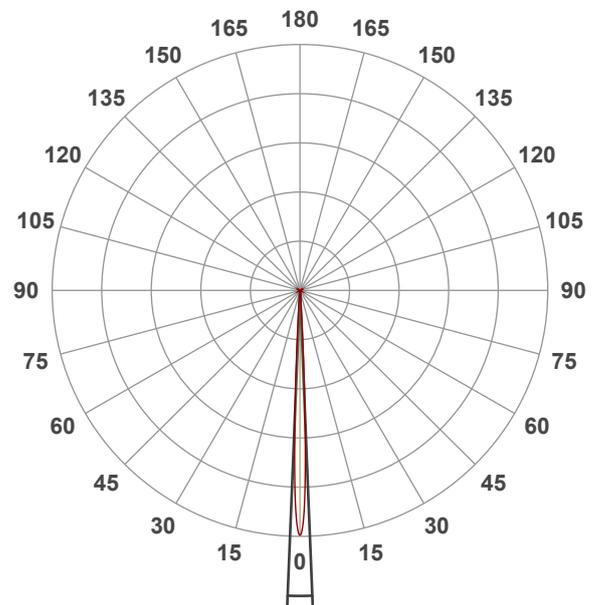
5600K

Operator:

Giuseppe della Peruta

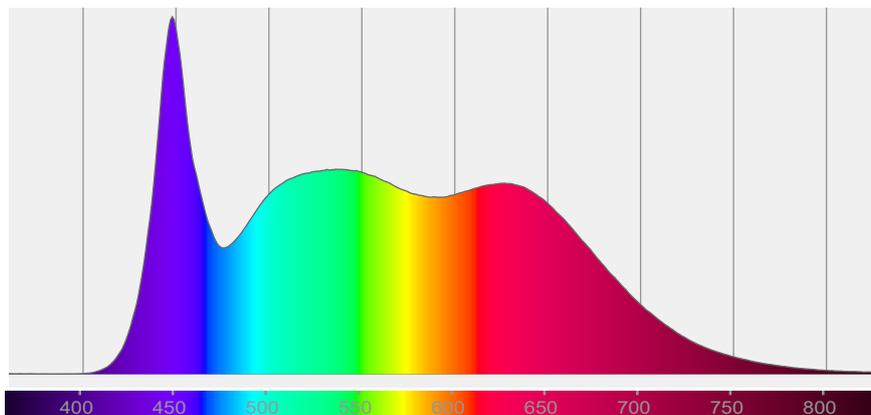
Date and time:

06/02/2026 14:18:50

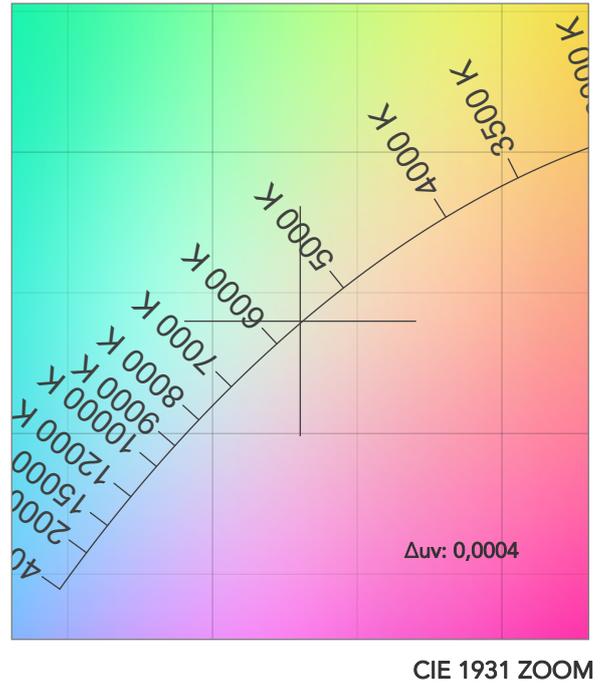
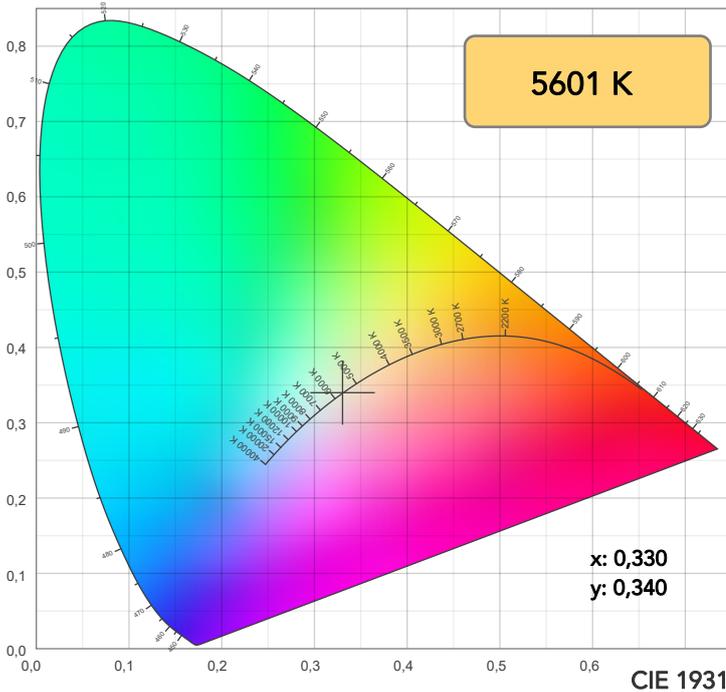


Beam angle 50%: 4,6°  
Field angle 10%: 7,7°  
Cut off angle 2.5%: 10,6°

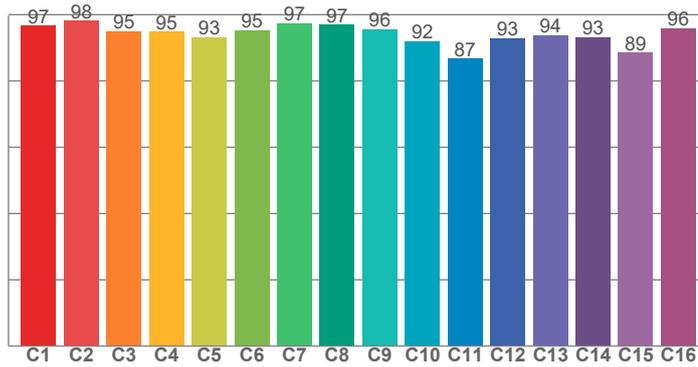
Spectra



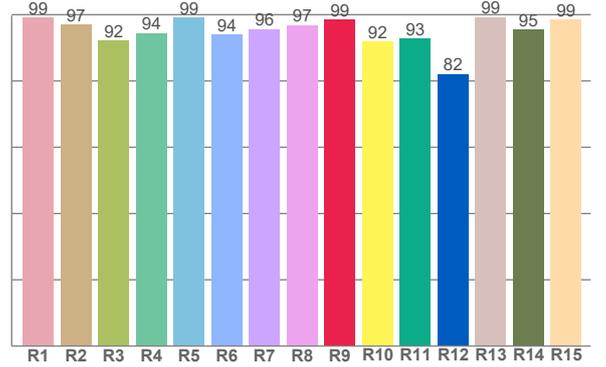
# COLOR DETAILS



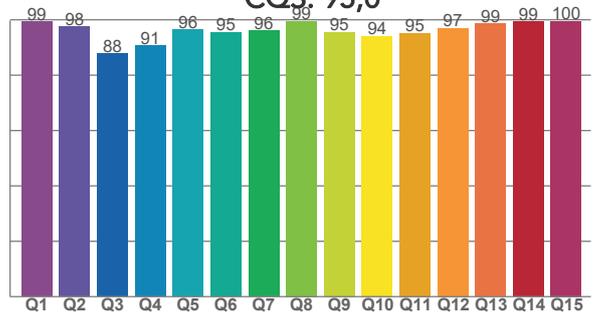
**TM30: 94,1**



**CRI: 96,1 (R1-R8)**



**CQS: 95,0**



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
99,0	97,0	92,3	94,5	99,2	94,1	95,7	96,9	98,6	92,0	92,9	82,1	99,3	95,4	98,6

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

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,7	98,3	95,1	94,9	93,3	95,3	97,5	97,0	95,7	92,1	86,7	92,9	93,9	93,3	88,6	95,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,3	97,5	87,8	90,7	96,4	95,5	96,1	99,5	95,5	94,2	95,2	96,9	98,6	99,4	99,5

## COLOR PARAMETERS

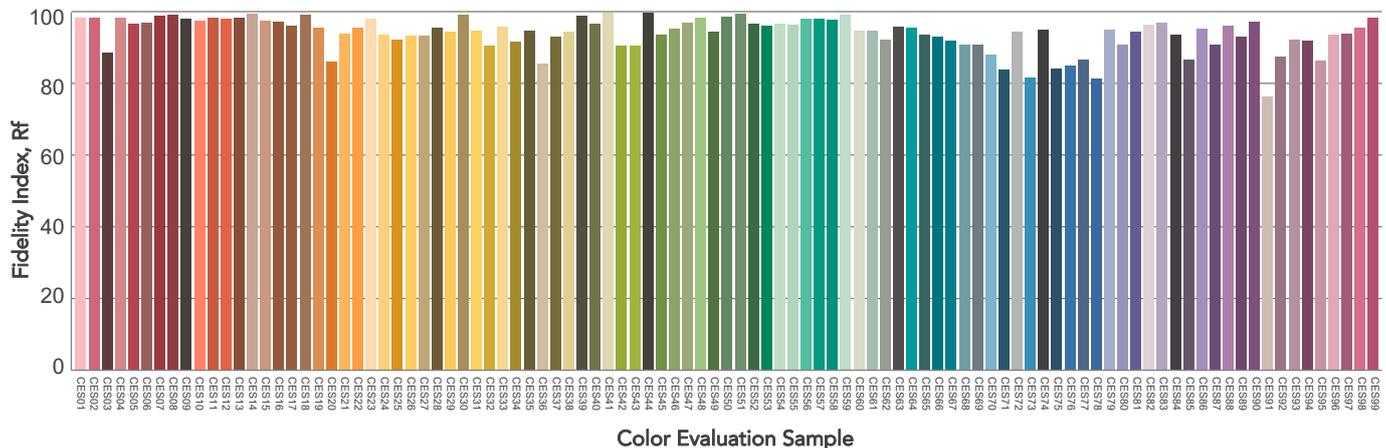
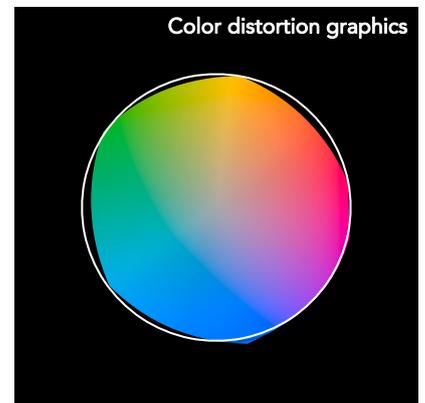
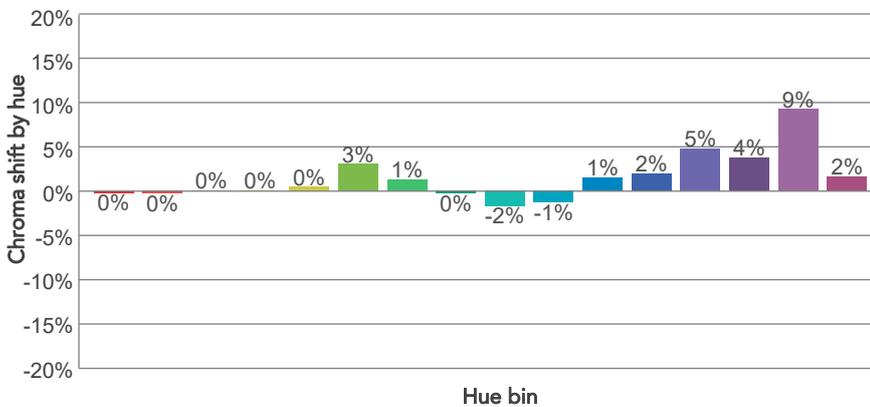
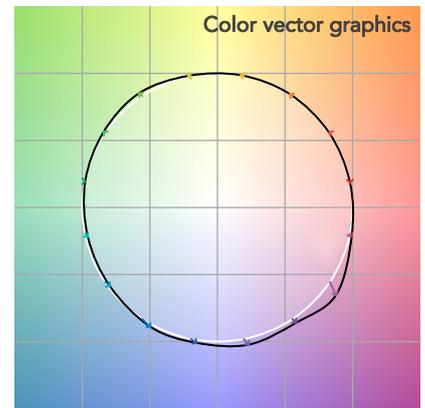
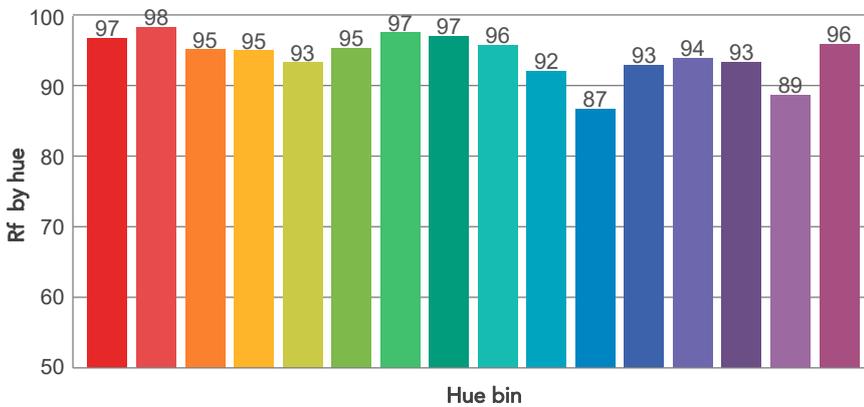
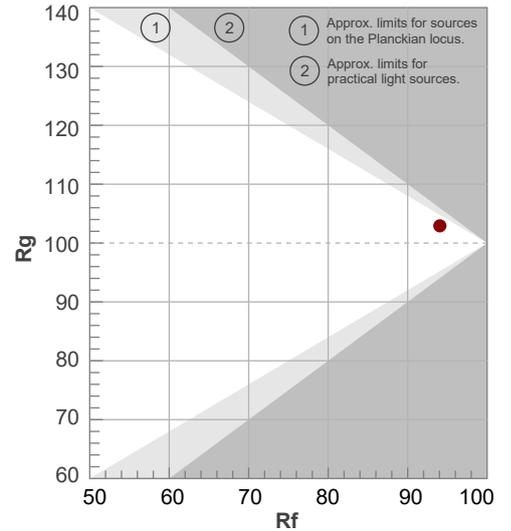
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5601 K	96,1	98,6	94,1	102,9	95,0	99	0,330	0,340	0,0004

# TM30 DETAILS

**Rf 94,1**  
Fidelity index Rf

**Rg 102,9**  
Gammut index

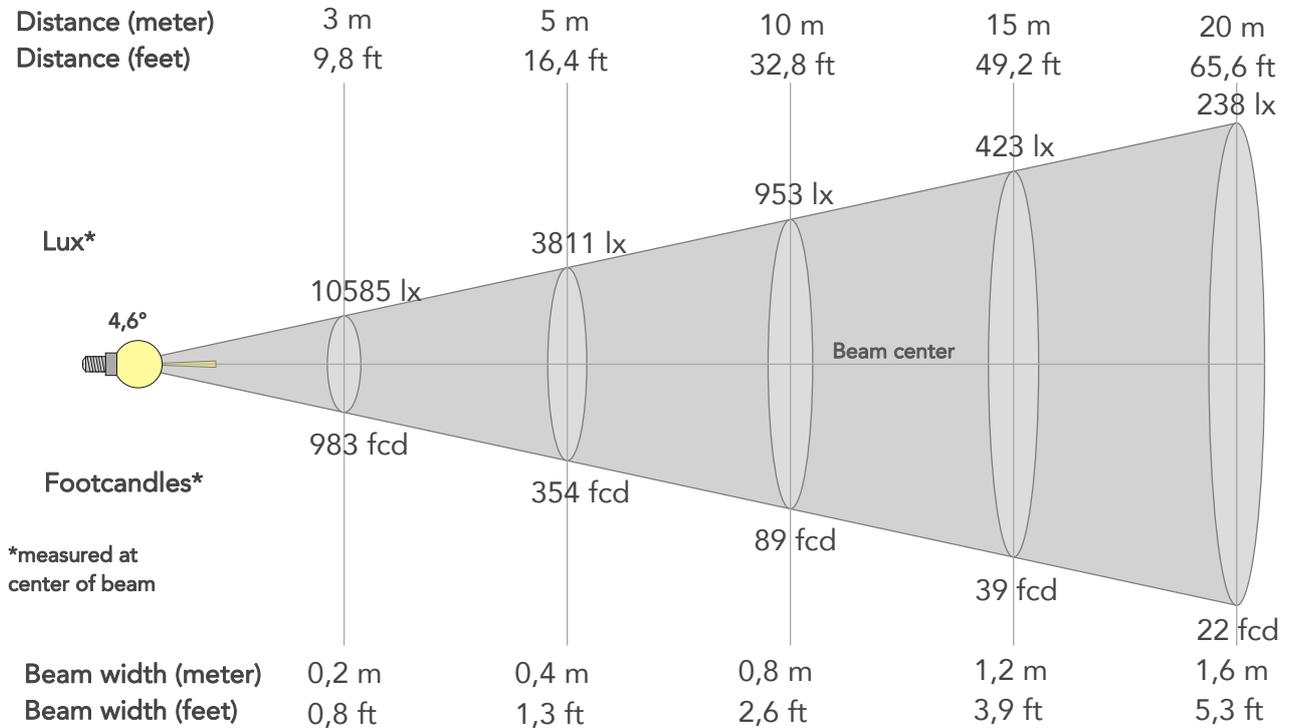
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	-1%
2	98	0%	0%
3	95	0%	2%
4	95	0%	2%
5	93	0%	2%
6	95	3%	1%
7	97	1%	0%
8	97	0%	0%
9	96	-2%	3%
10	92	-1%	5%
11	87	1%	8%
12	93	2%	5%
13	94	5%	3%
14	93	4%	1%
15	89	9%	-5%
16	96	2%	-2%



# BEAM DETAILS

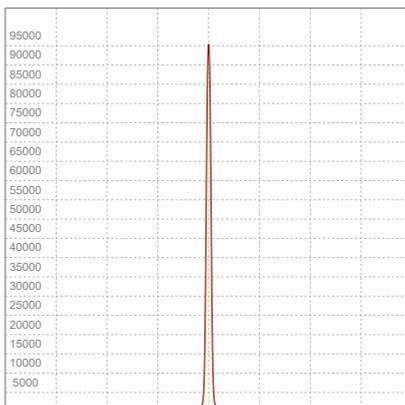


Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,6°	7,7°	10,6°	99,4%	98,1%



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	95265lx	23816lx	10585lx	5954lx	3811lx	1694lx	953lx	423lx	238lx	152lx	106lx	60lx	38lx
Footcand.	8850fcd	2213fcd	983fcd	553fcd	354fcd	157fcd	89fcd	39fcd	22fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1,1ft	1,3ft	2ft	2,6ft	3,9ft	5,3ft	6,6ft	7,9ft	10,5ft	13,2ft

## LINEAR DISTRIBUTION DIAGRAM

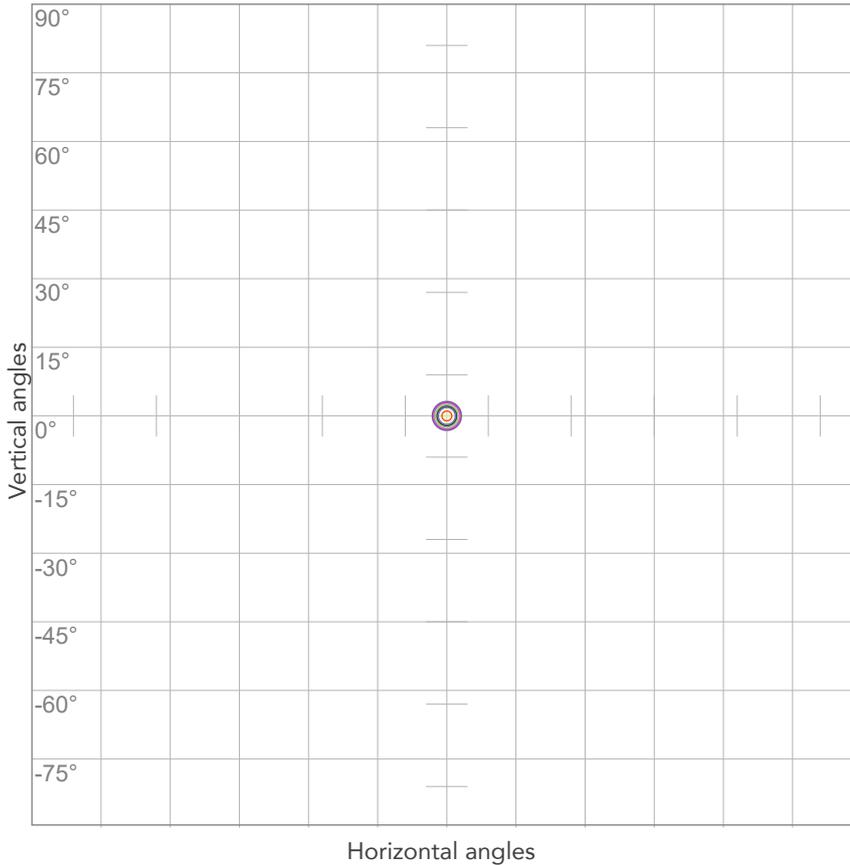


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
229V	0,220A	25,0W	0,5	36lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



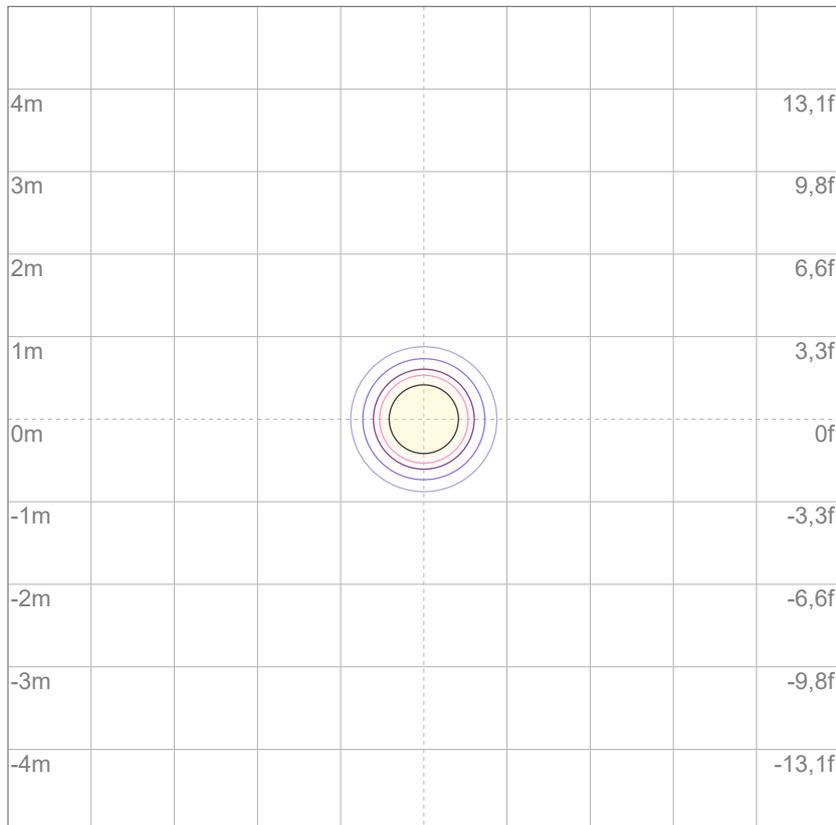
10%	9527 cd
20%	19053 cd
30%	28580 cd
40%	38106 cd
50%	47633 cd
60%	57159 cd
70%	66686 cd
80%	76212 cd

Conditions:

Number of c-planes: 2

Candela at center: 95265 cd

## ISO LUX DIAGRAM



3%	28,6 lx
5%	47,6 lx
10%	95,3 lx
30%	286 lx
50%	476 lx

Conditions:

Number of c-planes: 2

Lux at center: 953 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:

900 lm

Peak candela output:

96375 cd

Light quality:

CRI: 96,2

Color temperature:

6025 K

PRODUCT NAME:

ECLPARDOTVW

MEASUREMENT CONDITIONS:

Beam angle:

Original Optic

Target:

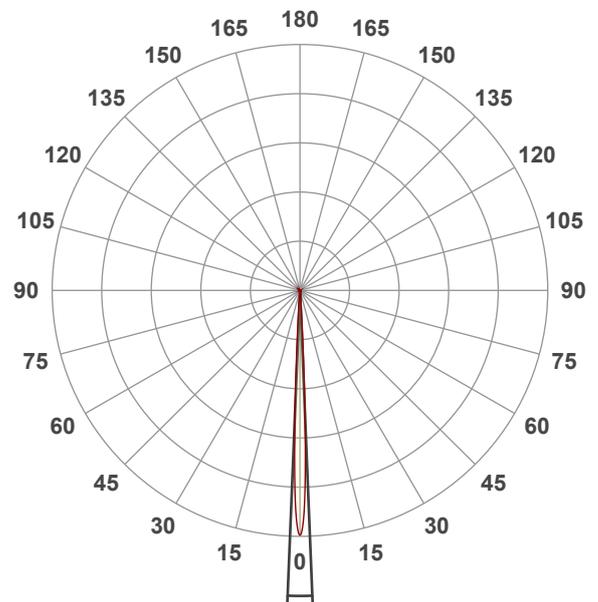
6000K

Operator:

Giuseppe della Peruta

Date and time:

06/02/2026 14:25:21

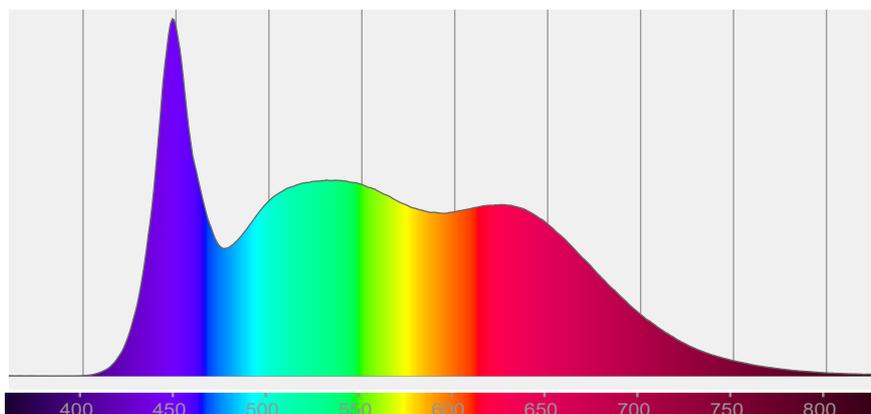


Beam angle 50%: 4,6°

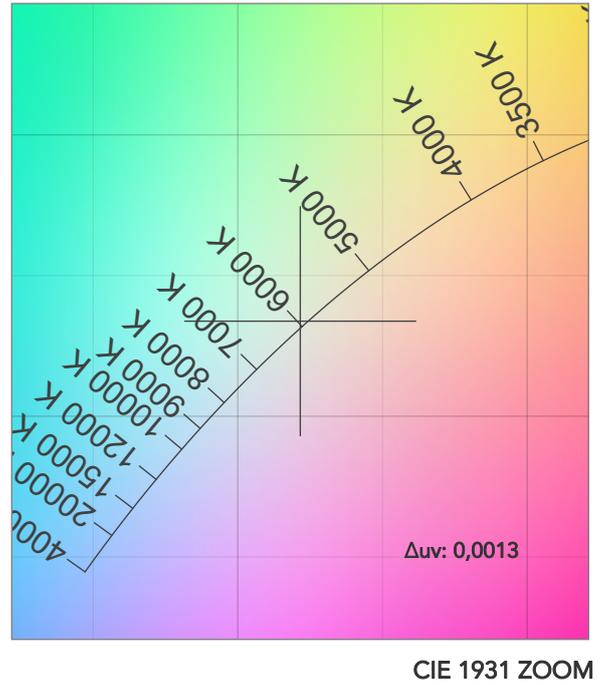
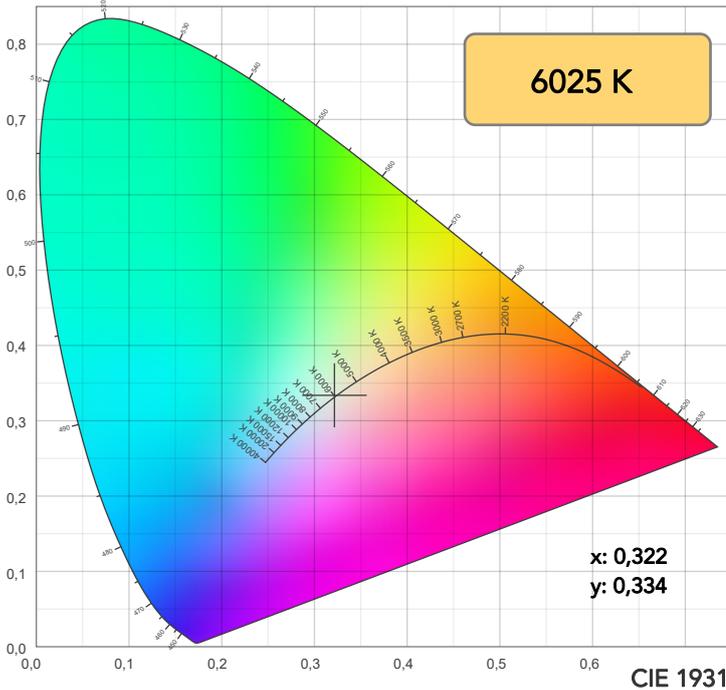
Field angle 10%: 7,7°

Cut off angle 2.5%: 10,6°

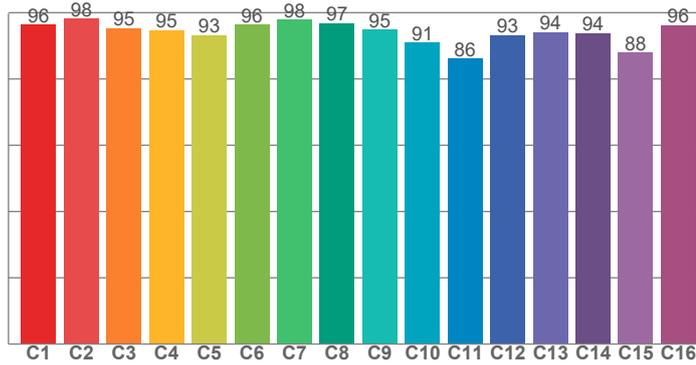
Spectra



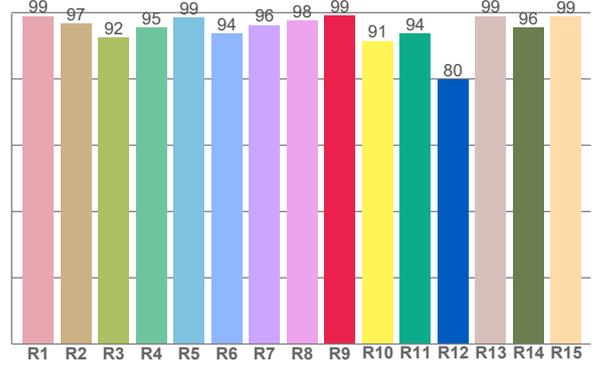
# COLOR DETAILS



**TM30: 94,0**



**CRI: 96,2 (R1-R8)**



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,0	96,8	92,5	95,4	98,6	93,7	96,3	97,6	99,2	91,5	93,6	79,9	99,0	95,6	98,9

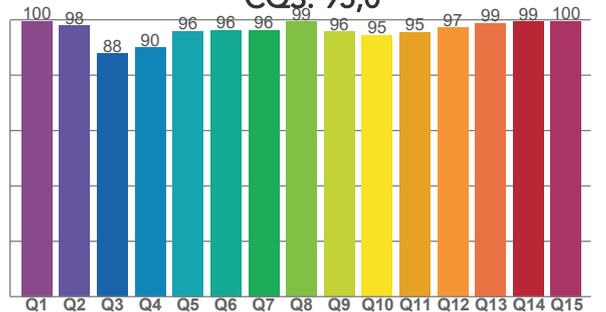
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,4	98,3	95,3	94,7	93,2	96,4	97,9	96,8	94,9	91,0	86,1	93,3	94,1	93,8	88,0	96,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
99,5	97,9	87,9	90,0	95,9	96,3	96,3	99,4	95,8	94,5	95,5	97,2	98,7	99,3	99,6

**CQS: 95,0**



## COLOR PARAMETERS

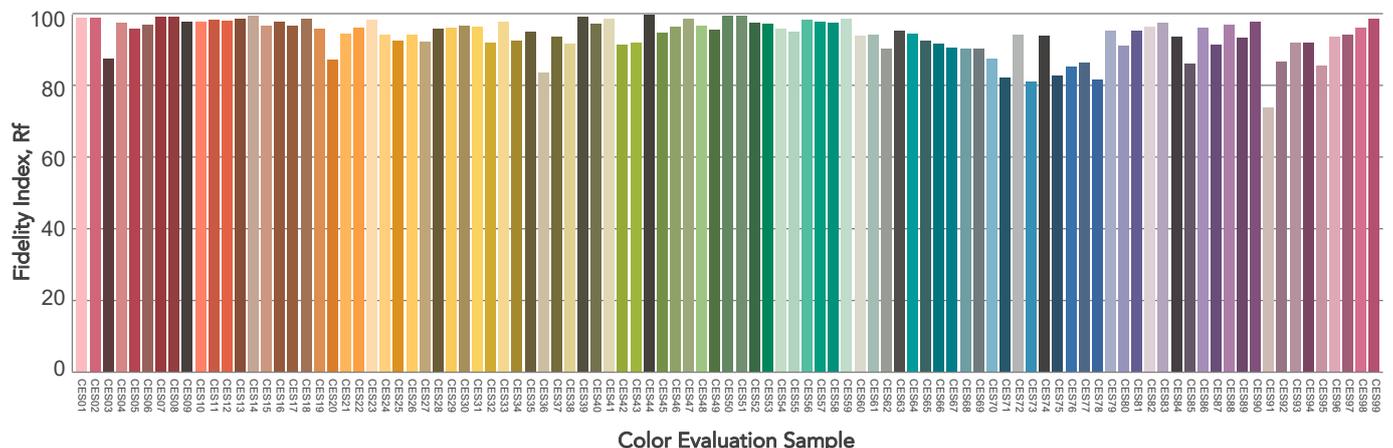
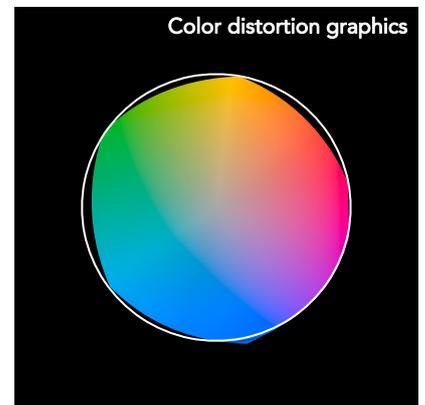
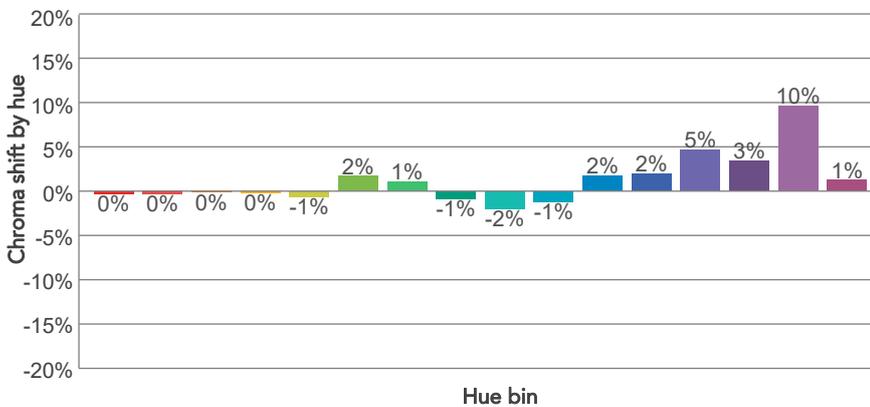
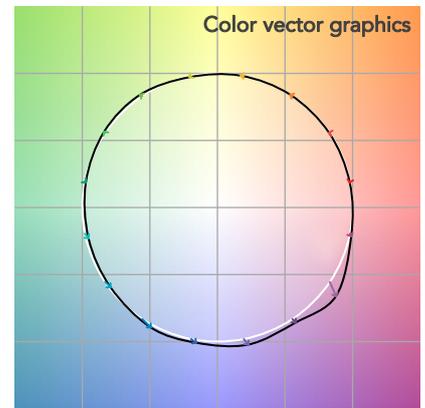
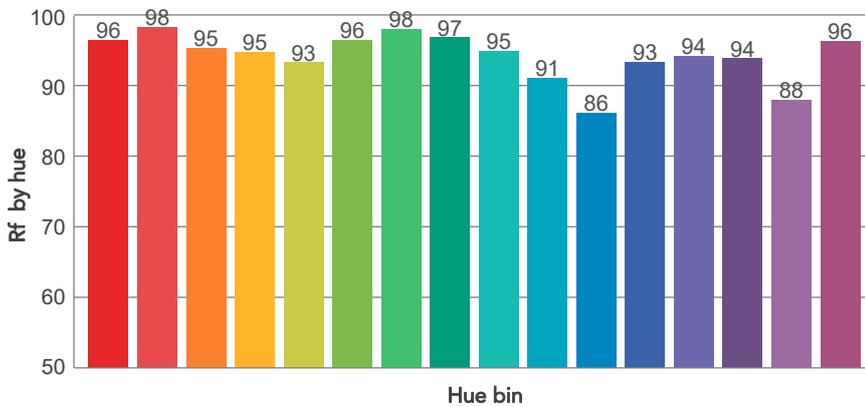
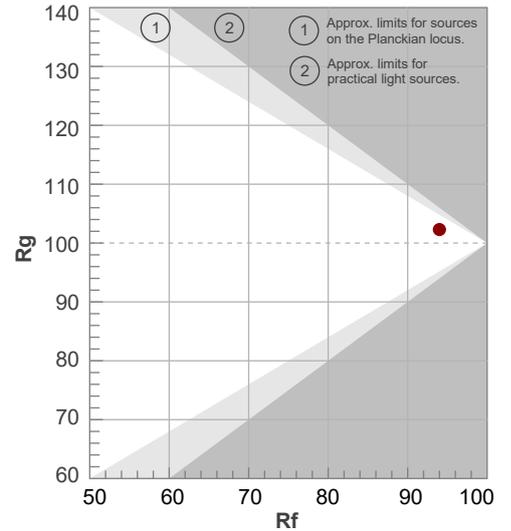
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
6025 K	96,2	99,2	94,0	102,3	95,0	99	0,322	0,334	0,0013

# TM30 DETAILS

**Rf 94,0**  
Fidelity index Rf

**Rg 102,3**  
Gammut index

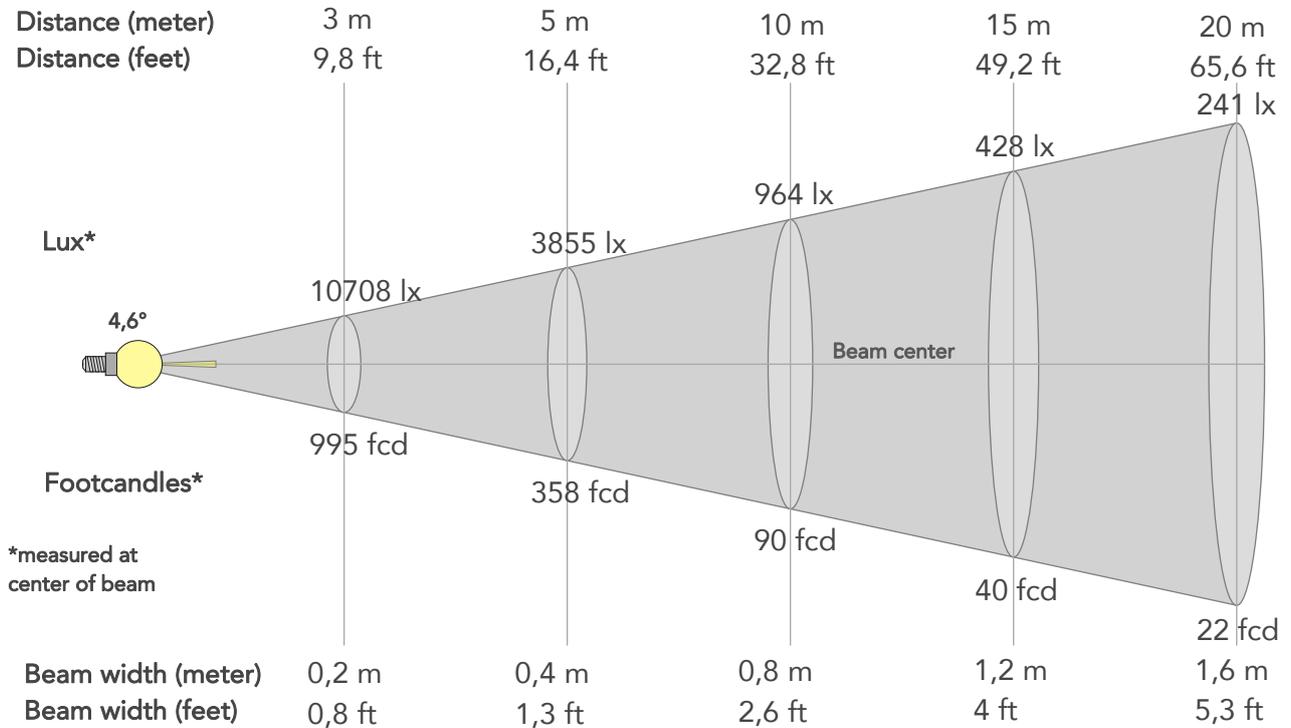
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	96	0%	-1%
2	98	0%	0%
3	95	0%	2%
4	95	0%	2%
5	93	-1%	1%
6	96	2%	1%
7	98	1%	0%
8	97	-1%	1%
9	95	-2%	4%
10	91	-1%	5%
11	86	2%	9%
12	93	2%	4%
13	94	5%	2%
14	94	3%	0%
15	88	10%	-6%
16	96	1%	-2%



# BEAM DETAILS



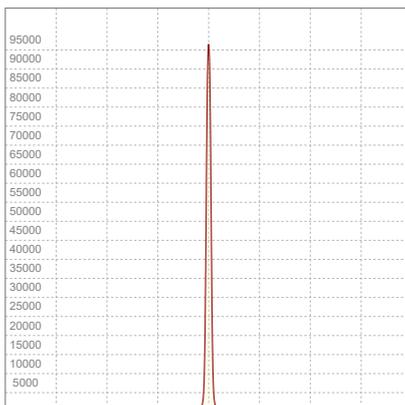
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
4,6°	7,7°	10,6°	99,4%	98,1%



## 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	96375lx	24094lx	10708lx	6023lx	3855lx	1713lx	964lx	428lx	241lx	154lx	107lx	60lx	39lx
Footcand.	8954fcd	2238fcd	995fcd	560fcd	358fcd	159fcd	90fcd	40fcd	22fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,1m	0,2m	0,2m	0,3m	0,4m	0,6m	0,8m	1,2m	1,6m	2m	2,4m	3,2m	4m
Beam wid.	0,3ft	0,5ft	0,8ft	1,1ft	1,3ft	2ft	2,6ft	4ft	5,3ft	6,6ft	7,9ft	10,5ft	13,2ft

## LINEAR DISTRIBUTION DIAGRAM

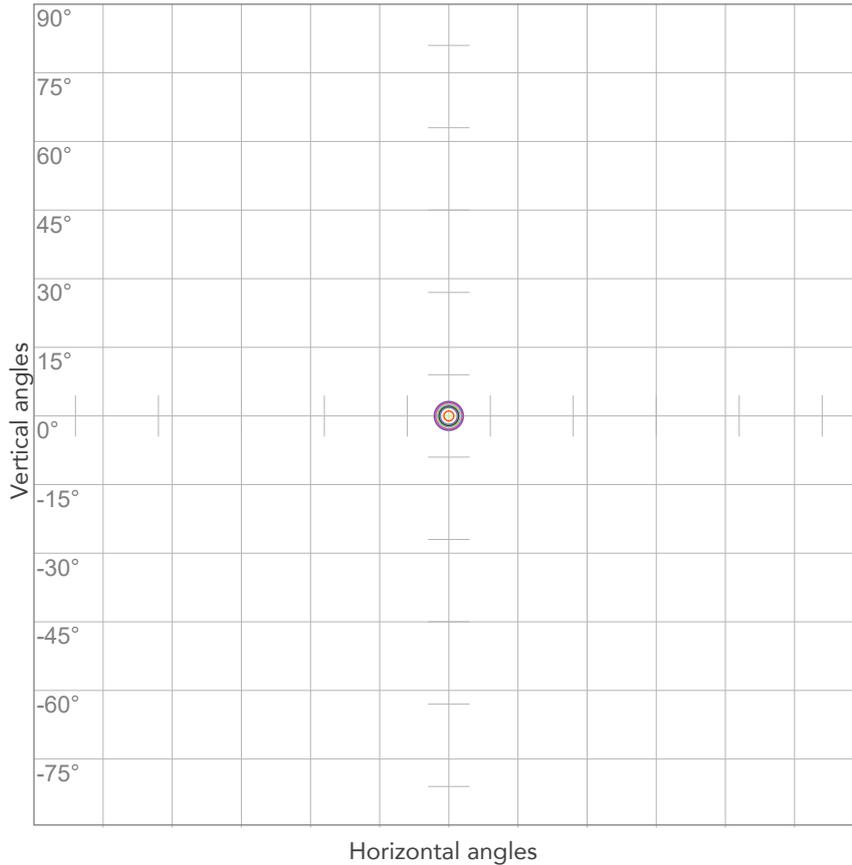


## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Power FC	Efficiency
227V	0,224A	24,9W	0,49	36lm/W

# ISO DIAGRAMS

## ISO CANDELA DIAGRAM



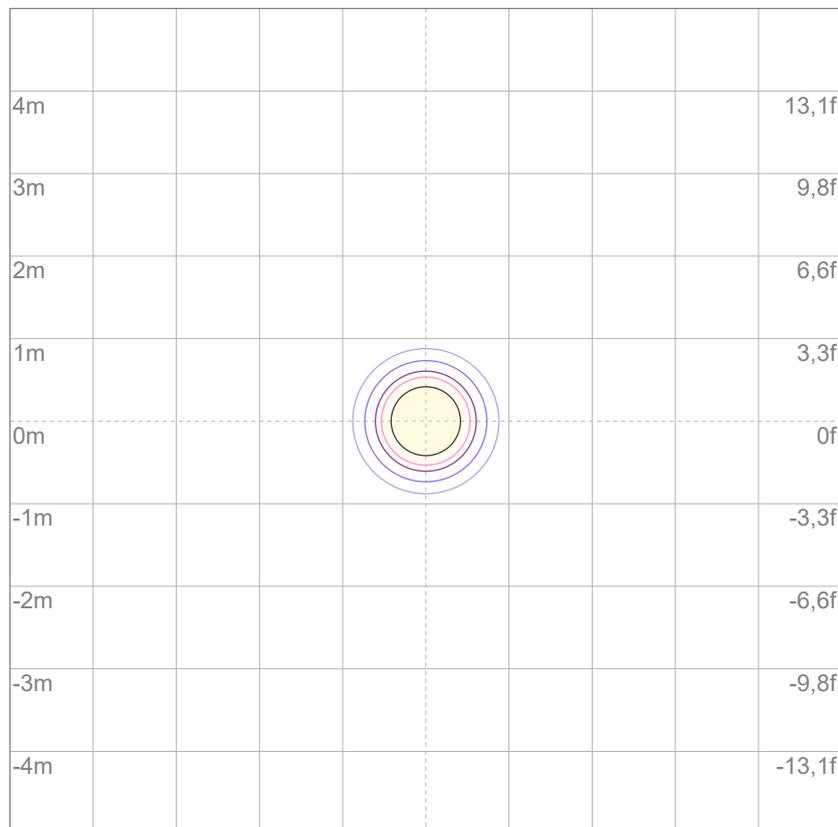
10%	9638 cd
20%	19275 cd
30%	28913 cd
40%	38550 cd
50%	48188 cd
60%	57825 cd
70%	67463 cd
80%	77100 cd

Conditions:

Number of c-planes: 2

Candela at center: 96375 cd

## ISO LUX DIAGRAM



3%	28,9 lx
5%	48,2 lx
10%	96,4 lx
30%	289 lx
50%	482 lx

Conditions:

Number of c-planes: 2

Lux at center: 964 lx

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

Mounting height: 10 meters (33 feet)