

# Photometric Test Report



## Pixie ZoomXB

280 W IP65 single source full colour zoom Par

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**Color temperature 4000K**

Beam angle Max Zoom 80

Beam angle Med Zoom 85

Beam angle Min Zoom 90

**Color temperature 5600K**

Beam angle Max Zoom 95

Beam angle Med Zoom 100

Beam angle Min Zoom 105

**Color temperature 6000K**

Beam angle Max Zoom 110

Beam angle Med Zoom 115

Beam angle Min Zoom 120

## **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:

2757 lm

Peak candela output:

11927 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

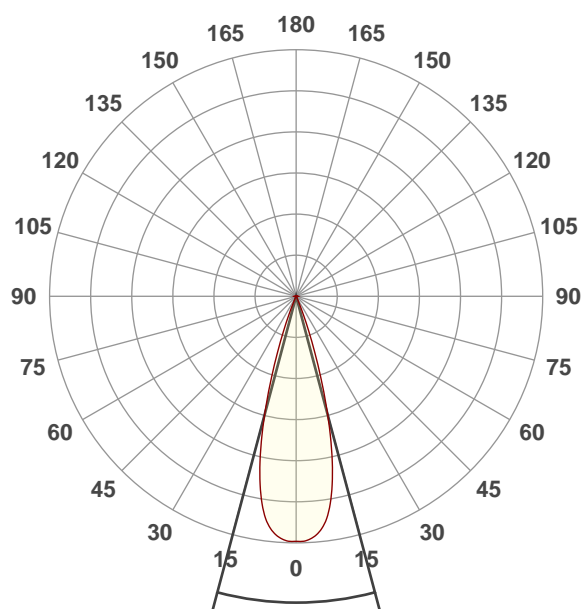
Full On

Operator:

Paolo Carvone

Date and time:

02/03/2020 17:15:18

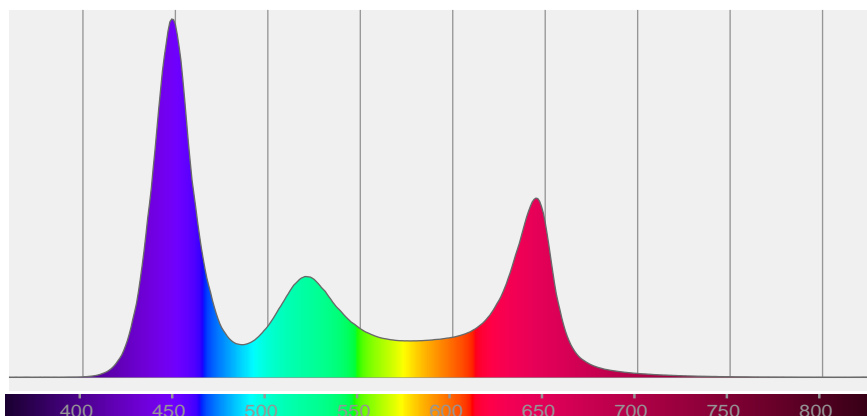


Beam angle 50%: 29,8°

Field angle 10%: 42,1°

Cut off angle 2.5%: 47,5°

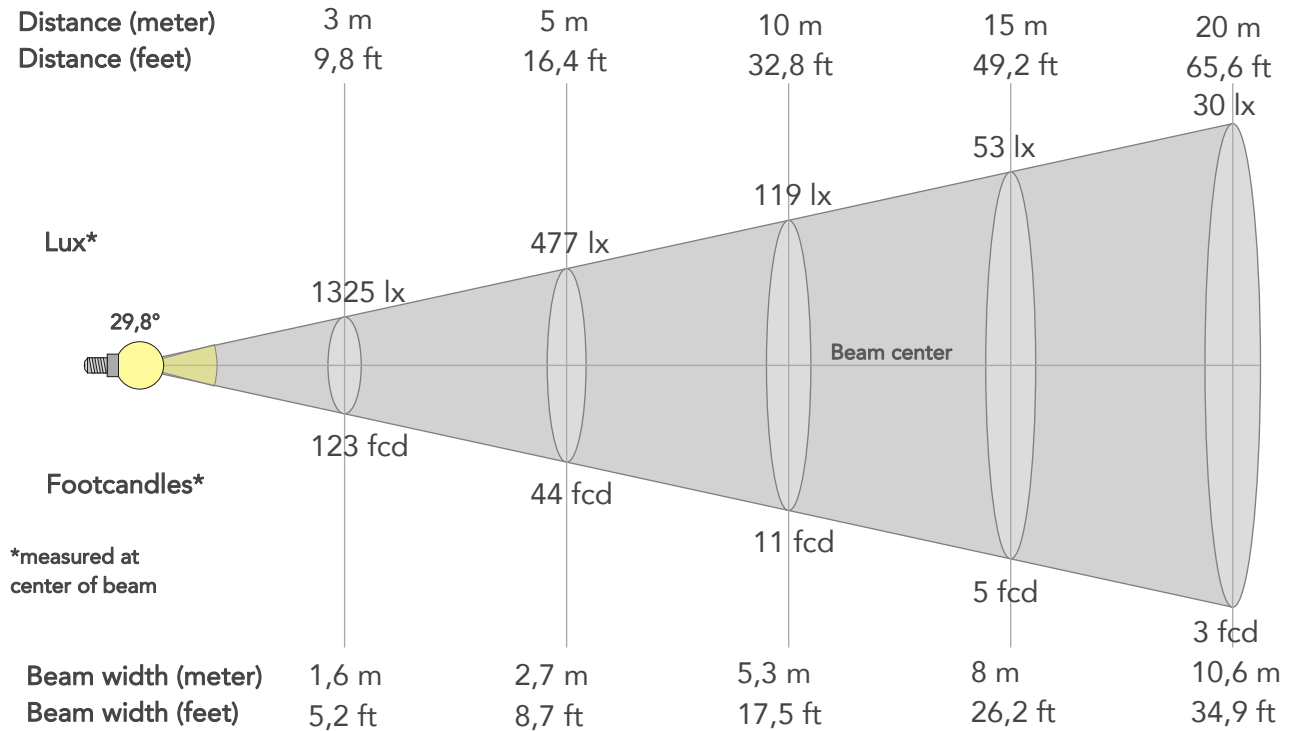
## Spectra



## BEAM DETAILS



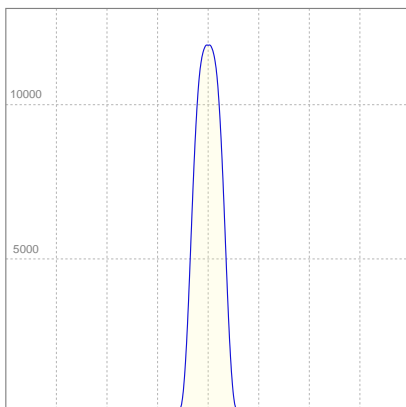
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,8°	42,1°	47,5°	99,6%	99,4%



### 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	11927lx	2982lx	1325lx	745lx	477lx	212lx	119lx	53lx	30lx	19lx	13lx	7lx	5lx
Footcand.	1108fcd	277fcd	123fcd	69fcd	44fcd	20fcd	11fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,6m	13,3m	16m	21,3m	26,6m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,7ft	13,1ft	17,5ft	26,2ft	34,9ft	43,6ft	52,4ft	69,8ft	87,3ft

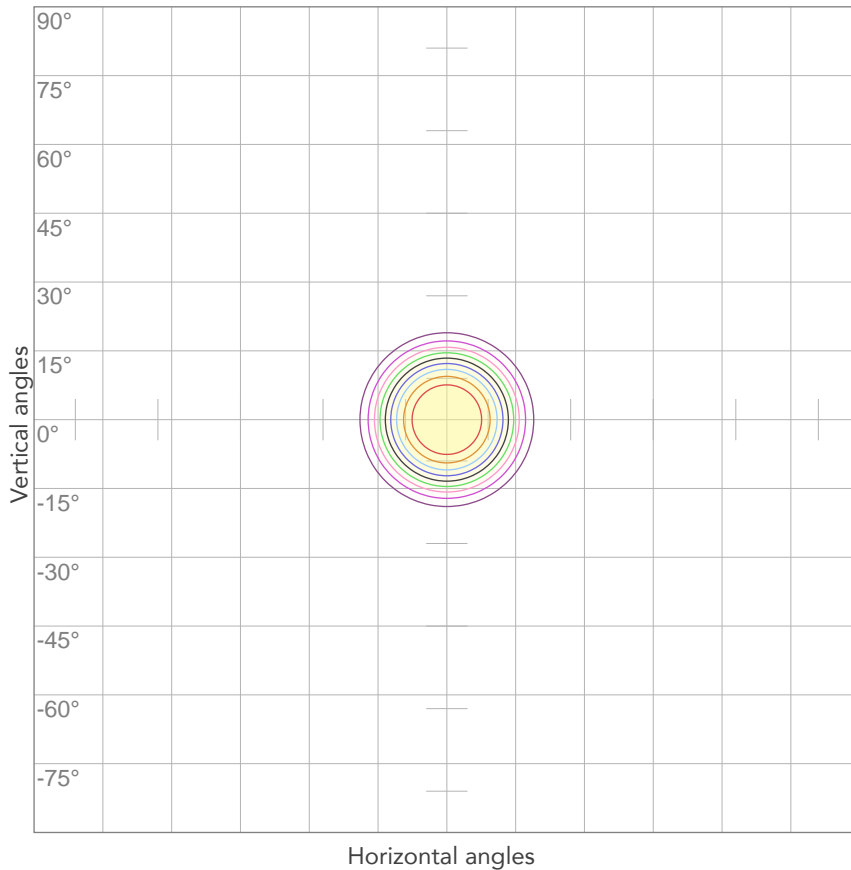
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
221V	1,25A	263,8W	10lm/W

## ISO CANDELA DIAGRAM



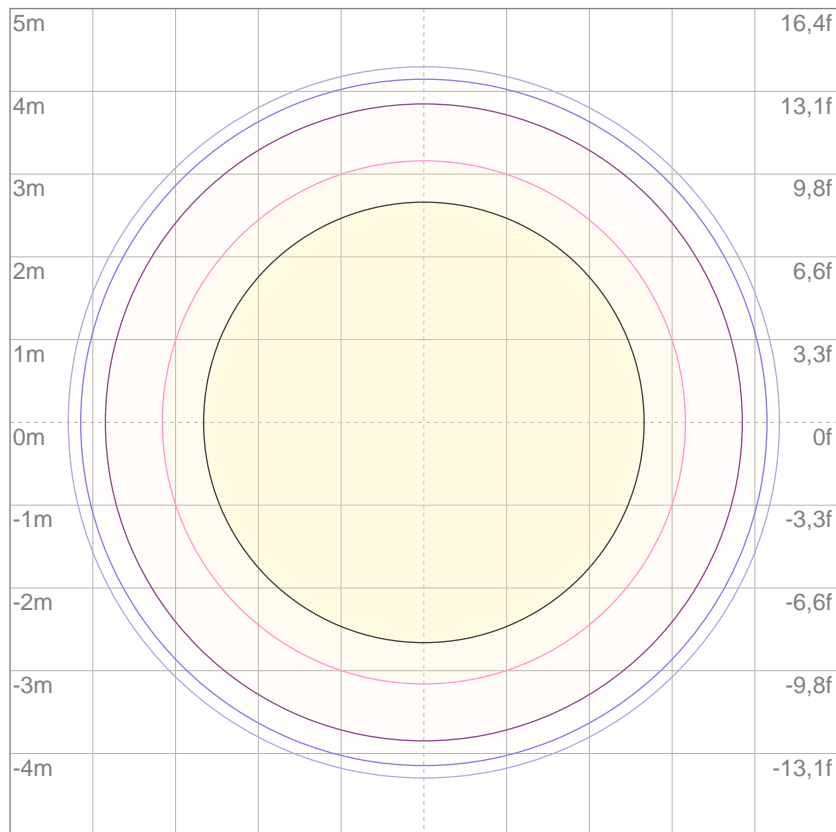
10%	1193 cd
20%	2385 cd
30%	3578 cd
40%	4771 cd
50%	5963 cd
60%	7156 cd
70%	8349 cd
80%	9541 cd

### Conditions:

Number of c-planes: 2

Candela at center: 11927 cd

## ISO LUX DIAGRAM



3%	3,58 lx
5%	5,96 lx
10%	11,9 lx
30%	35,8 lx
50%	59,6 lx

### Conditions:

Number of c-planes: 2

Lux at center: 119 lx

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



Total lumen output:

2714 lm

Peak candela output:

39491 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

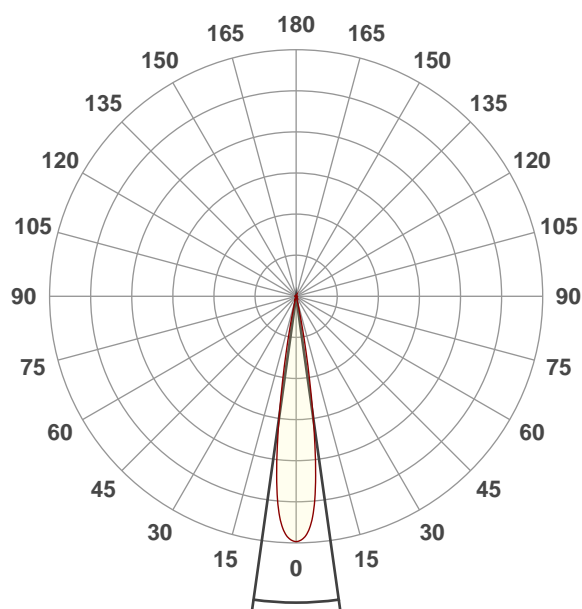
Full

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:15:22

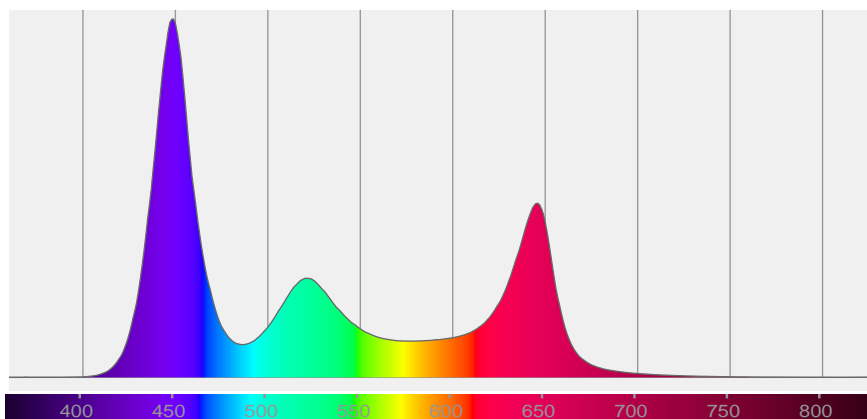


Beam angle 50%: 16°

Field angle 10%: 23,3°

Cut off angle 2.5%: 26,8°

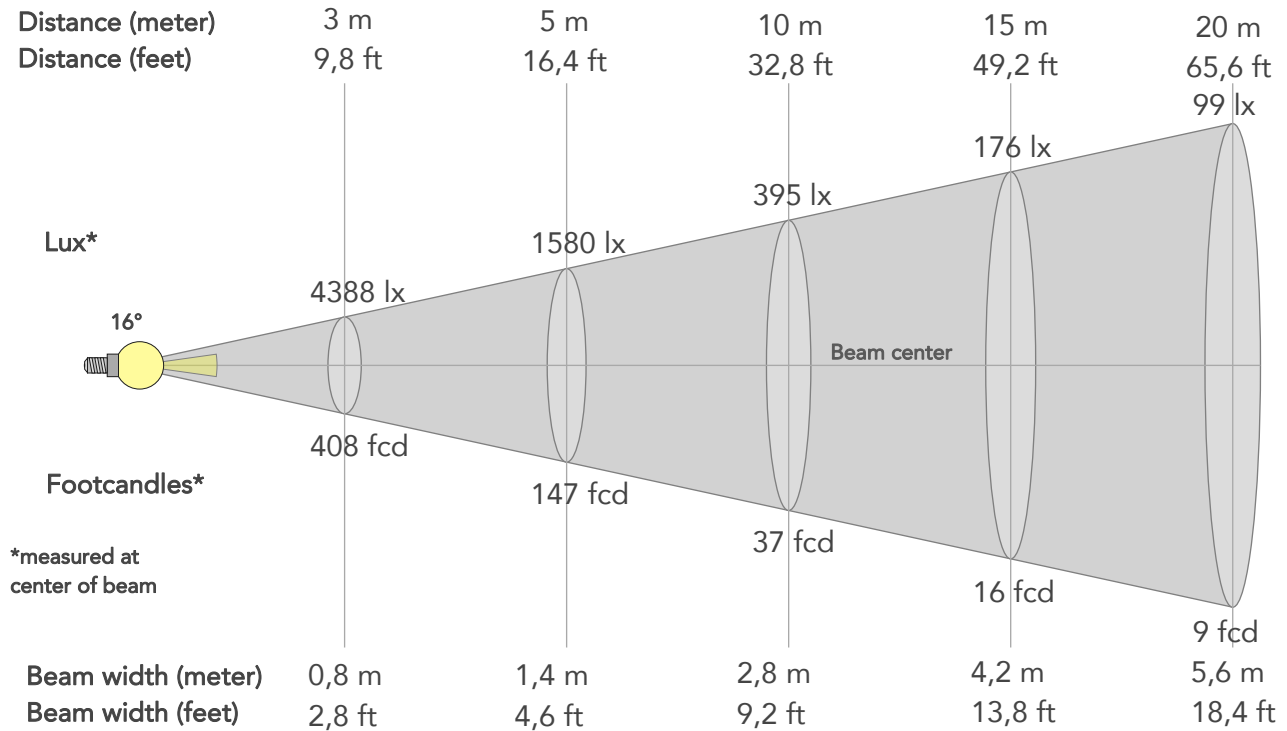
## Spectra





## BEAM DETAILS

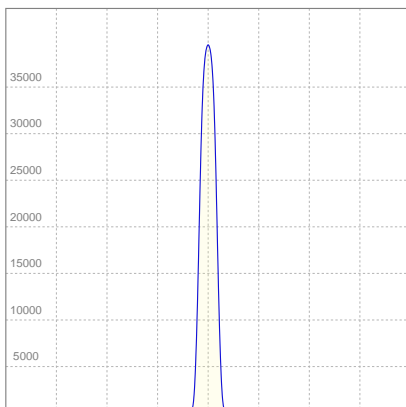
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	23,3°	26,8°	99,8%	99,8%



### 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	39491lx	9873lx	4388lx	2468lx	1580lx	702lx	395lx	176lx	99lx	63lx	44lx	25lx	16lx
Footcand.	3669fcd	917fcd	408fcd	229fcd	147fcd	65fcd	37fcd	16fcd	9fcd	6fcd	4fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,2m	14m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,8ft	18,4ft	23ft	27,6ft	36,9ft	46,1ft

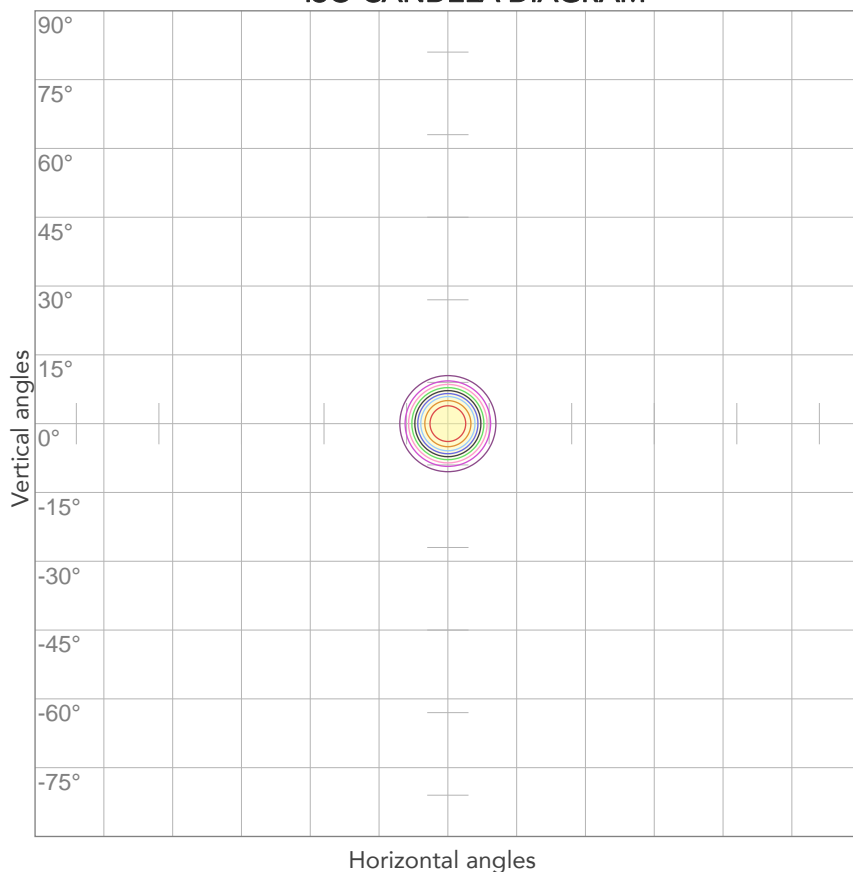
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
221V	1,24A	261,6W	10lm/W

## ISO CANDELA DIAGRAM



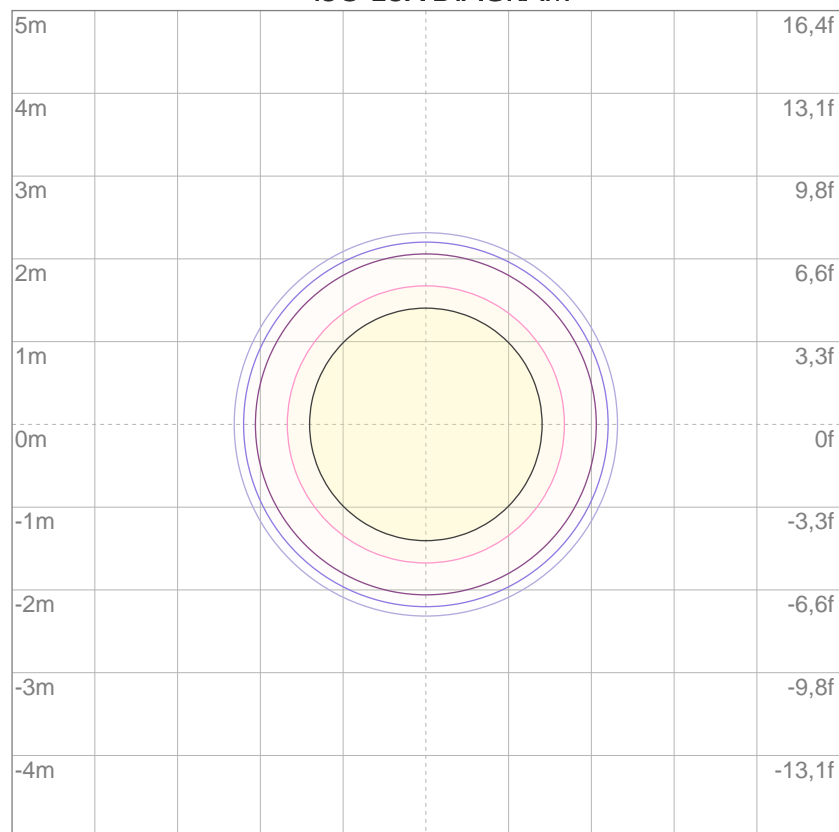
10%	3949 cd
20%	7898 cd
30%	11847 cd
40%	15796 cd
50%	19745 cd
60%	23694 cd
70%	27644 cd
80%	31593 cd

### Conditions:

Number of c-planes: 2

Candela at center: 39491 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: 2

Lux at center: 395 lx

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



Total lumen output:

2516 lm

Peak candela output:

163281 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

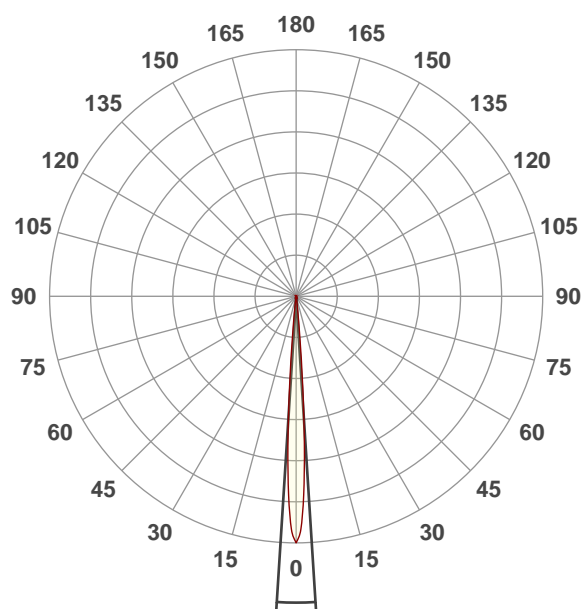
Full On

Operator:

Paolo Carvone

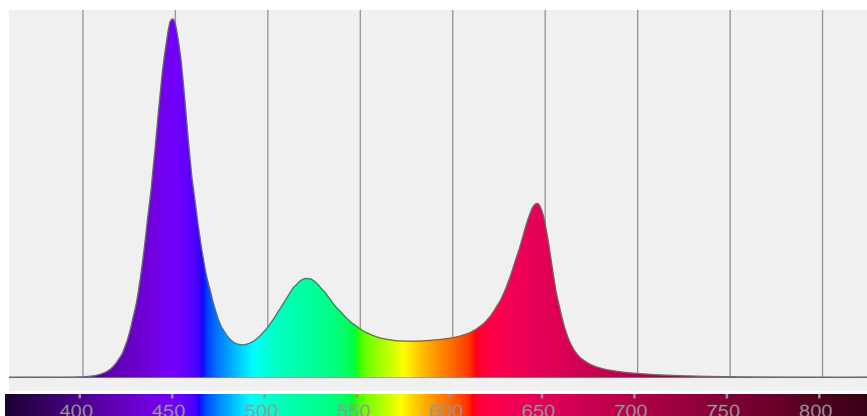
Date and time:

02/03/2020 16:35:49



Beam angle 50%: 7,2°  
Field angle 10%: 11,6°  
Cut off angle 2.5%: 14°

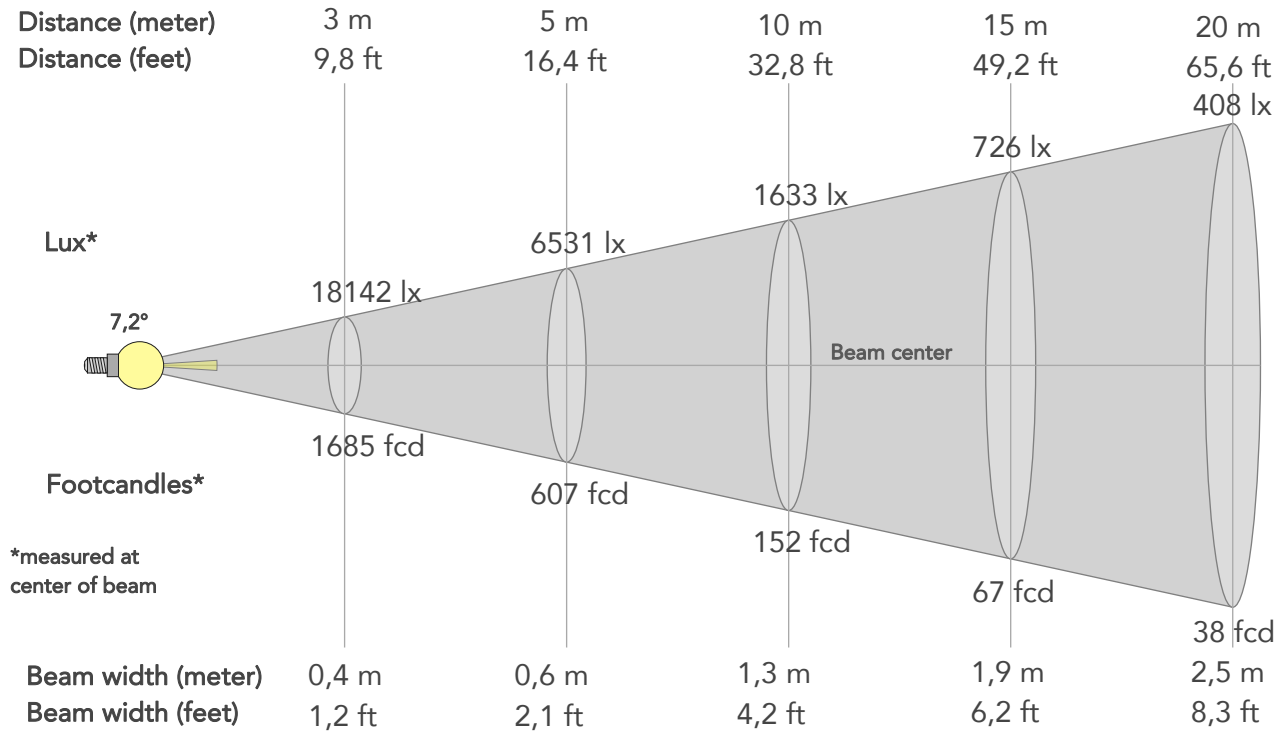
## Spectra



# BEAM DETAILS



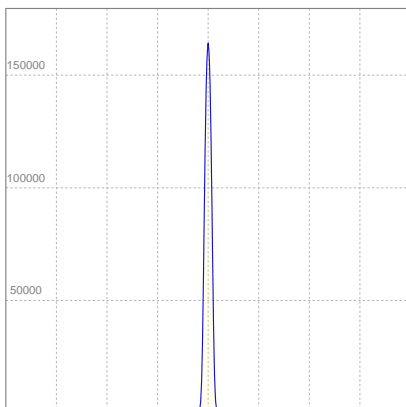
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,6°	14°	99,6%	99,6%



## 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	163281lx	40820lx	18142lx	10205lx	6531lx	2903lx	1633lx	726lx	408lx	261lx	181lx	102lx	65lx
Footcand.	15169fcd	3792fcd	1685fcd	948fcd	607fcd	270fcd	152fcd	67fcd	38fcd	24fcd	17fcd	9fcd	6fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	1m	1,3m	1,9m	2,5m	3,2m	3,8m	5,1m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,7ft	2,1ft	3,1ft	4,2ft	6,2ft	8,3ft	10,4ft	12,5ft	16,6ft	20,8ft

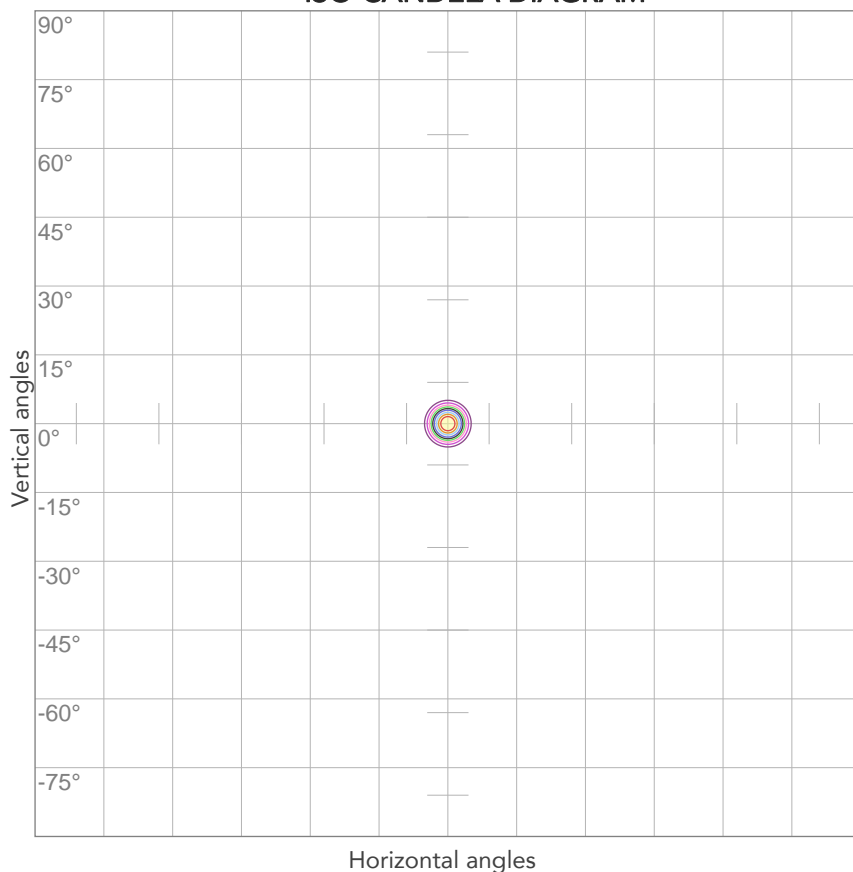
## LINEAR DISTRIBUTION DIAGRAM



## ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
221V	1,24A	261,3W	10lm/W

## ISO CANDELA DIAGRAM



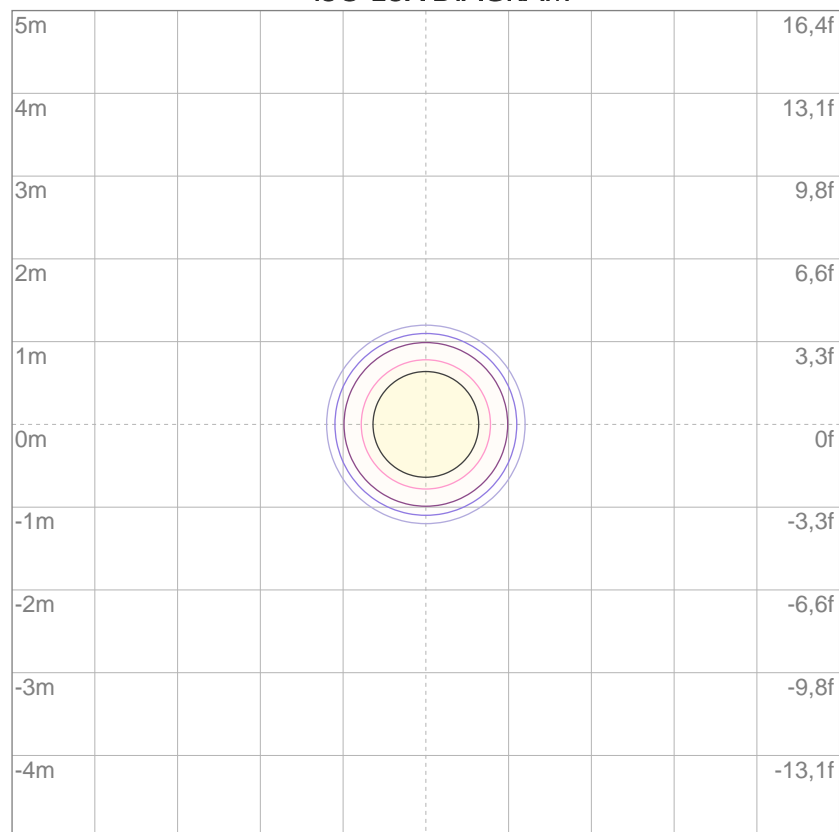
10%	16328 cd
20%	32656 cd
30%	48984 cd
40%	65312 cd
50%	81640 cd
60%	97968 cd
70%	114297 cd
80%	130625 cd

### Conditions:

Number of c-planes: 2

Candela at center: 163281 cd

## ISO LUX DIAGRAM



3%	49,0 lx
5%	81,6 lx
10%	163 lx
30%	490 lx
50%	816 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1633 lx

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



Total lumen output:

553 lm

Peak candela output:

2429 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

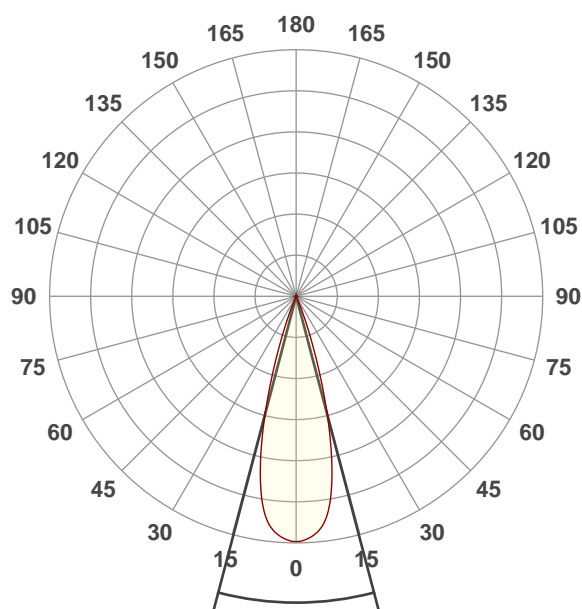
Red

Operator:

Paolo Carvone

Date and time:

02/03/2020 17:16:48

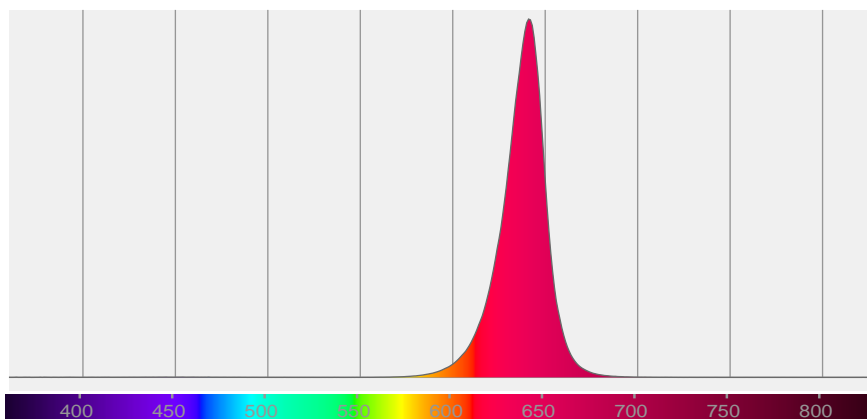


Beam angle 50%: 29,5°

Field angle 10%: 41,8°

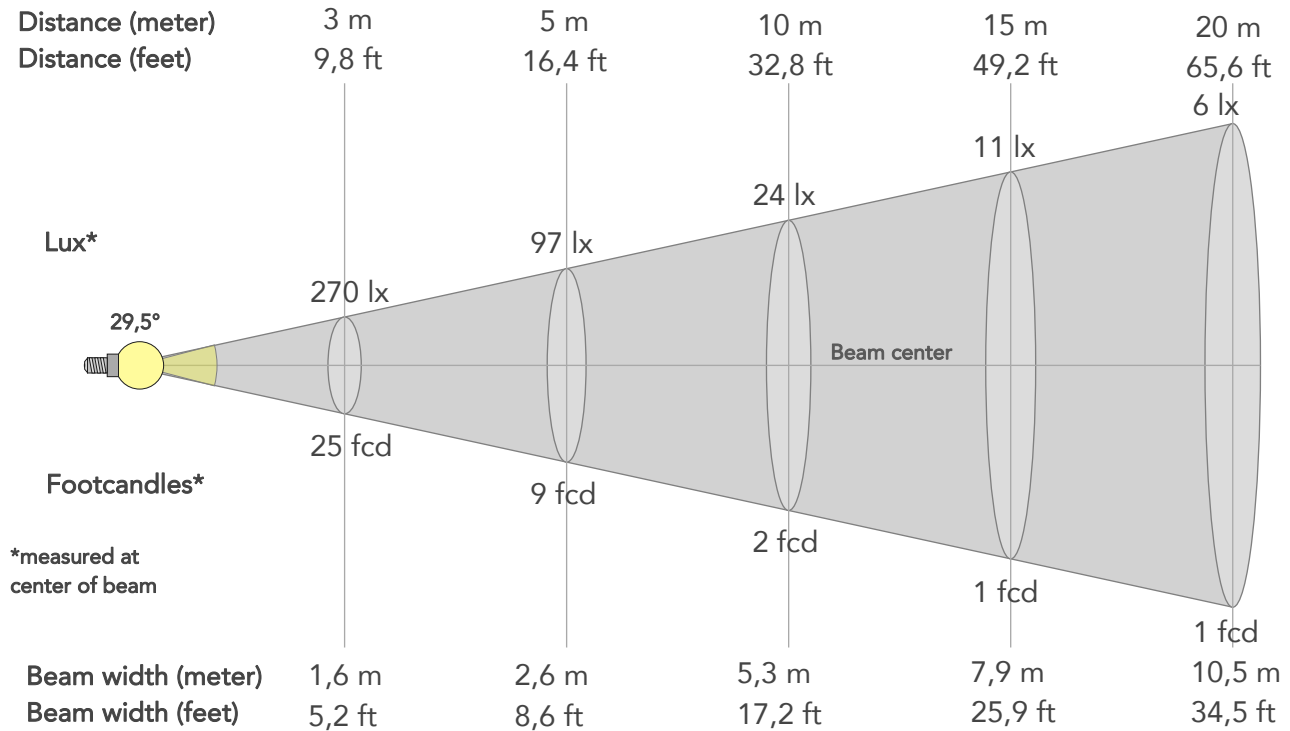
Cut off angle 2.5%: 47,2°

## Spectra



## BEAM DETAILS

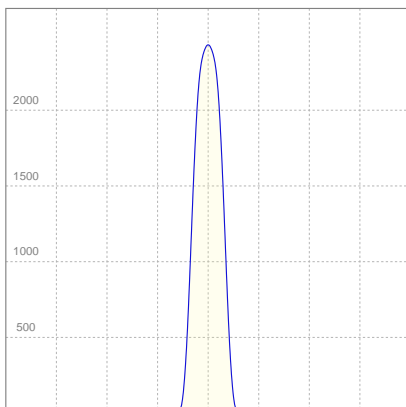
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,5°	41,8°	47,2°	99,2%	99,0%



### 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	2429lx	607lx	270lx	152lx	97lx	43lx	24lx	11lx	6lx	4lx	3lx	2lx	1lx
Footcand.	226fcd	56fcd	25fcd	14fcd	9fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,6m	3,9m	5,3m	7,9m	10,5m	13,1m	15,8m	21m	26,3m
Beam wid.	1,7ft	3,5ft	5,2ft	6,9ft	8,6ft	12,9ft	17,2ft	25,9ft	34,5ft	43,1ft	51,7ft	69ft	86,2ft

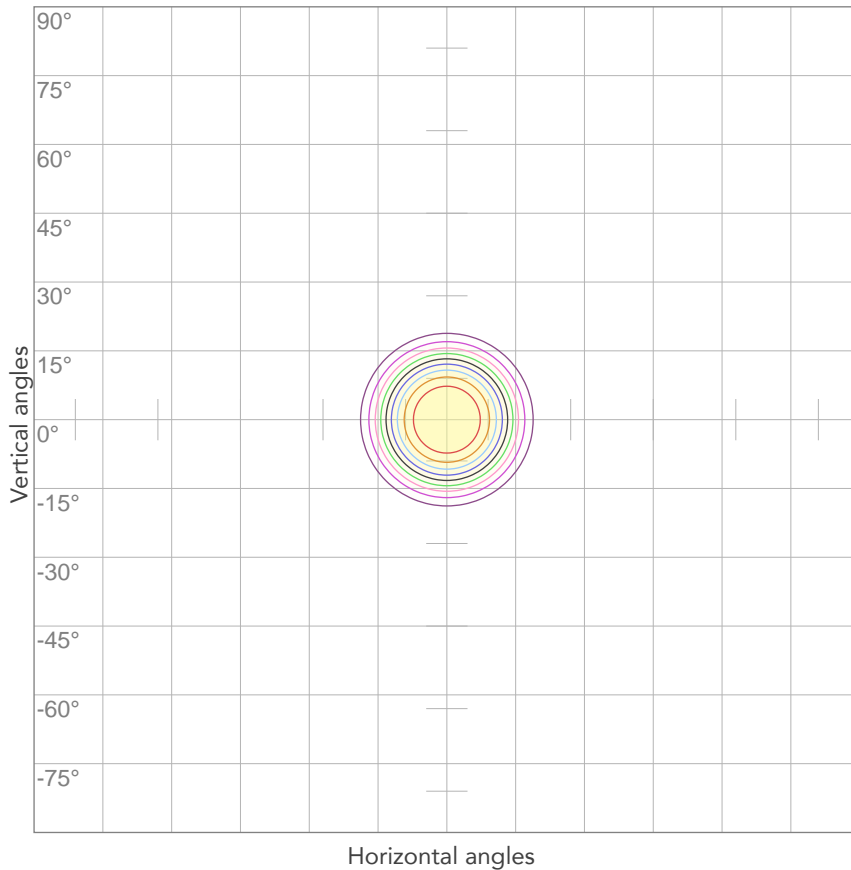
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	0,401A	72,7W	8lm/W

## ISO CANDELA DIAGRAM



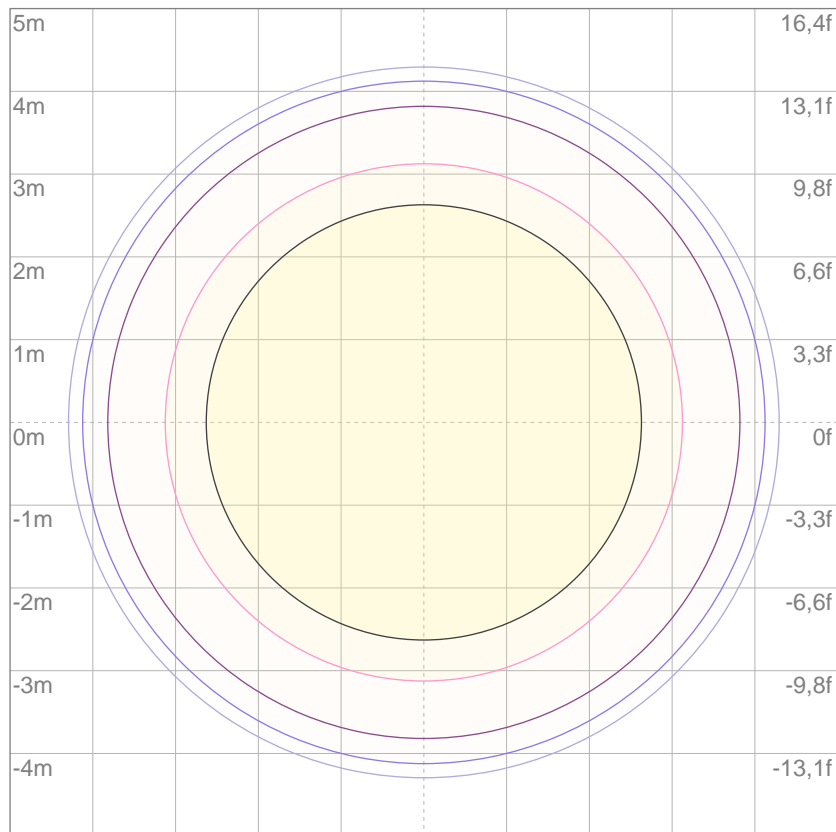
10%	243 cd
20%	486 cd
30%	729 cd
40%	972 cd
50%	1214 cd
60%	1457 cd
70%	1700 cd
80%	1943 cd

### Conditions:

Number of c-planes: 2

Candela at center: 2429 cd

## ISO LUX DIAGRAM



3%	0,729 lx
5%	1,21 lx
10%	2,43 lx
30%	7,29 lx
50%	12,1 lx

### Conditions:

Number of c-planes: 2

Lux at center: 24,3 lx

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





Total lumen output:

542 lm

Peak candela output:

7794 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

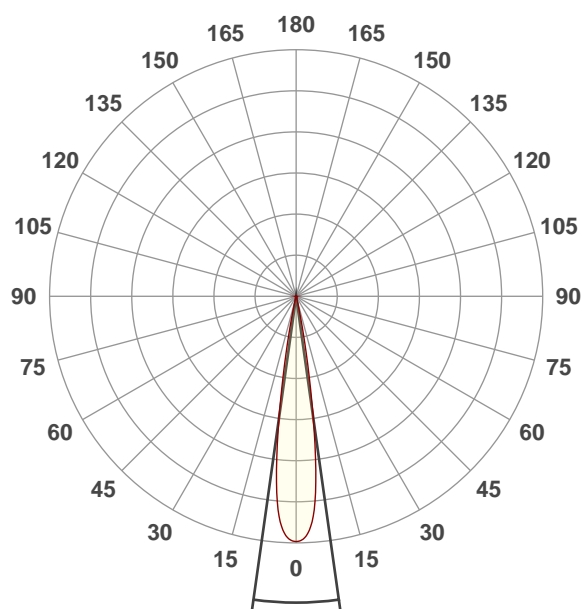
Red

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:17:01

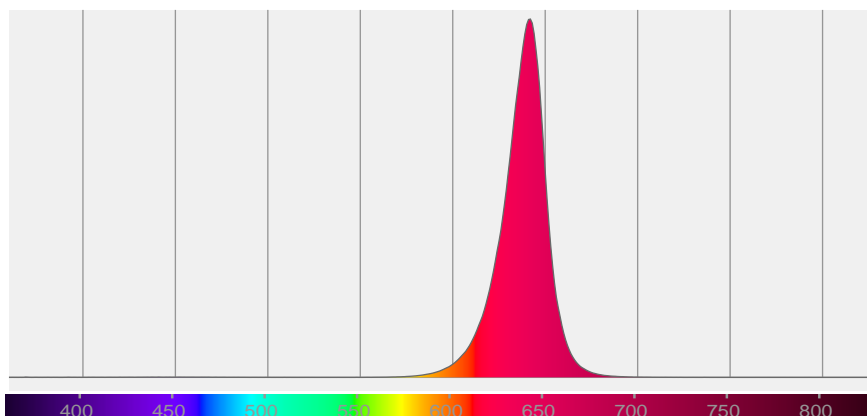


Beam angle 50%: 16°

Field angle 10%: 23,2°

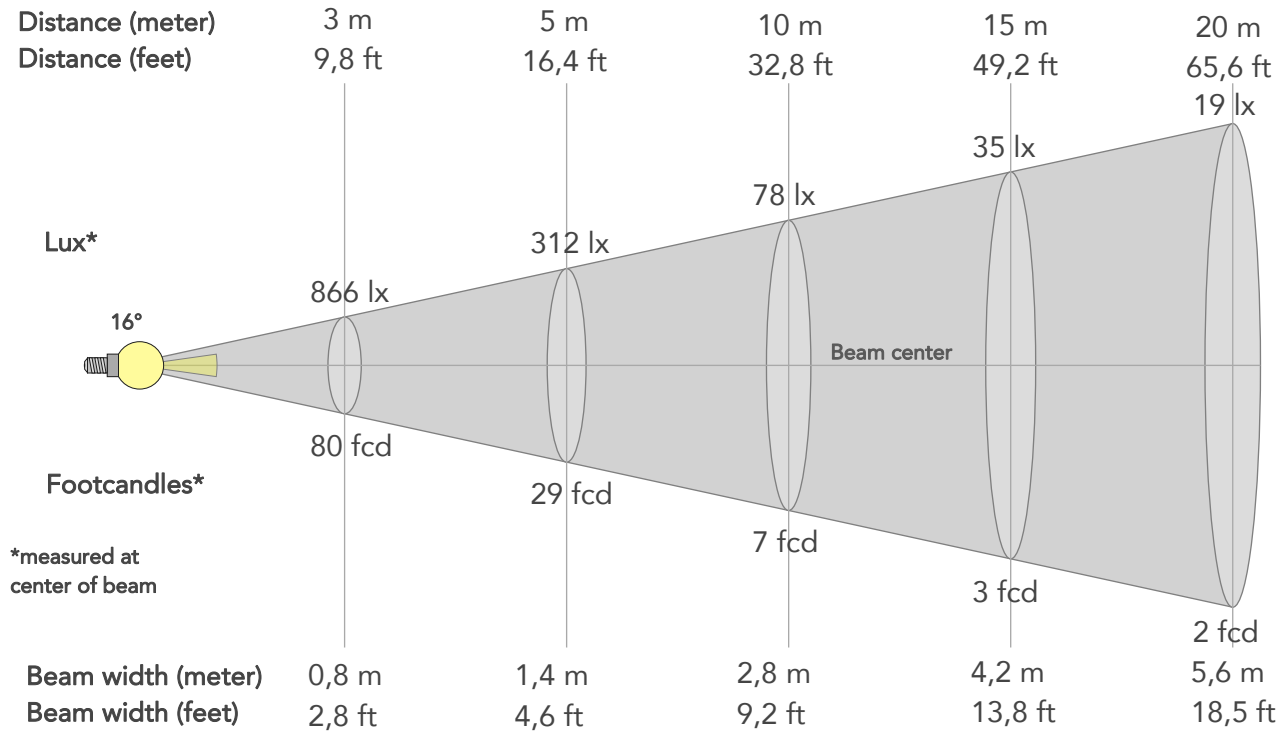
Cut off angle 2.5%: 26,6°

## Spectra



## BEAM DETAILS

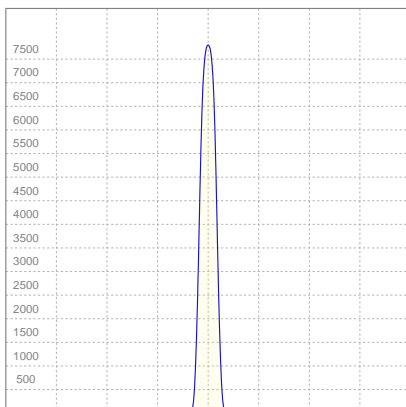
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	23,2°	26,6°	99,5%	99,3%



### 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	7794lx	1948lx	866lx	487lx	312lx	139lx	78lx	35lx	19lx	12lx	9lx	5lx	3lx
Footcand.	724fcd	181fcd	80fcd	45fcd	29fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,3m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,8ft	18,5ft	23,1ft	27,7ft	36,9ft	46,2ft

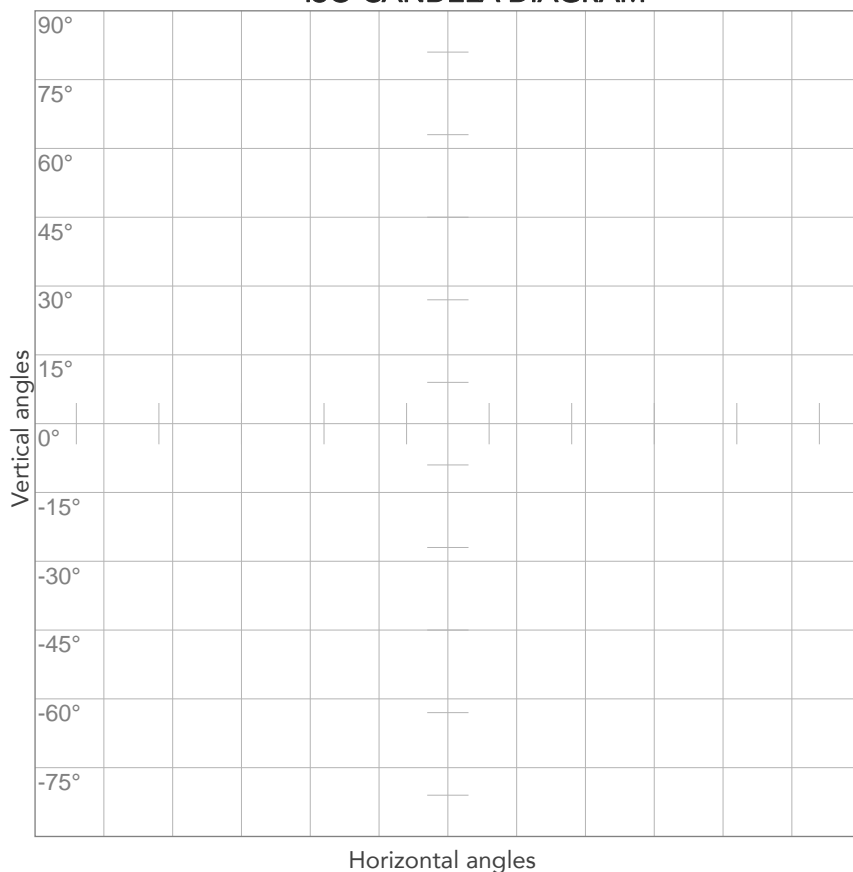
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	0,403A	72,8W	7lm/W

## ISO CANDELA DIAGRAM



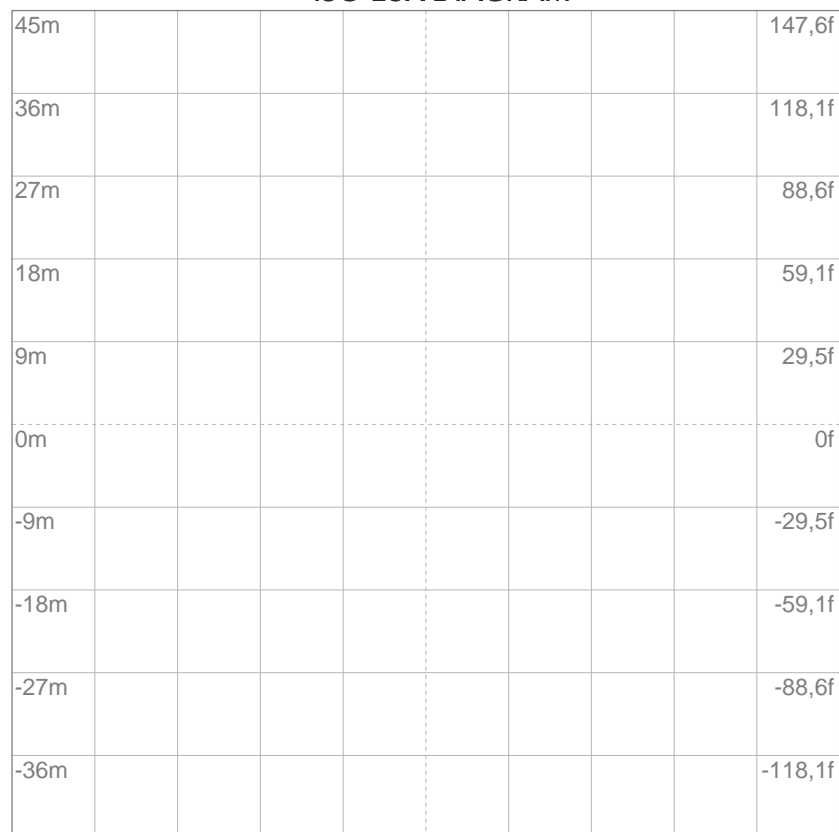
10%	779 cd
20%	1559 cd
30%	2338 cd
40%	3118 cd
50%	3897 cd
60%	4676 cd
70%	5456 cd
80%	6235 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7794 cd

## ISO LUX DIAGRAM



3%	2,34 lx
5%	3,90 lx
10%	7,79 lx
30%	23,4 lx
50%	39,0 lx

### Conditions:

Number of c-planes: 2

Lux at center: 77,9 lx

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



Total lumen output:

511 lm

Peak candela output:

33053 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

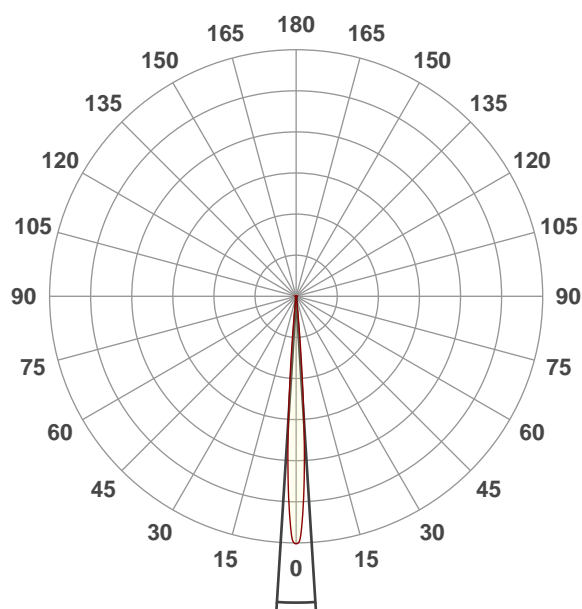
Red

Operator:

Paolo Carvone

Date and time:

02/03/2020 16:37:33

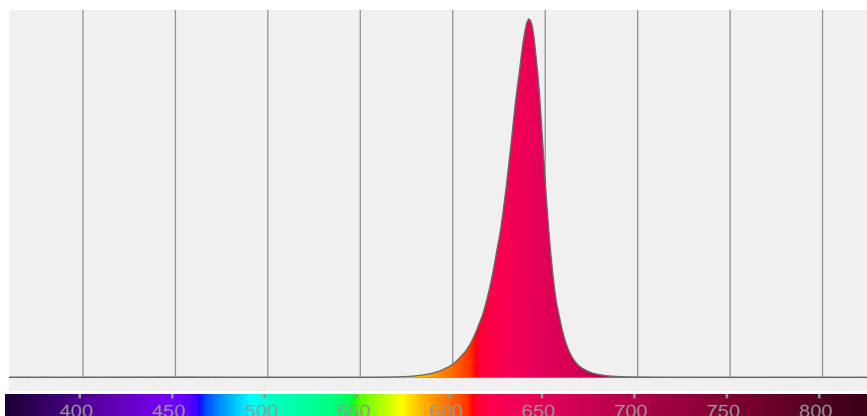


Beam angle 50%: 7,2°

Field angle 10%: 11,3°

Cut off angle 2.5%: 13,7°

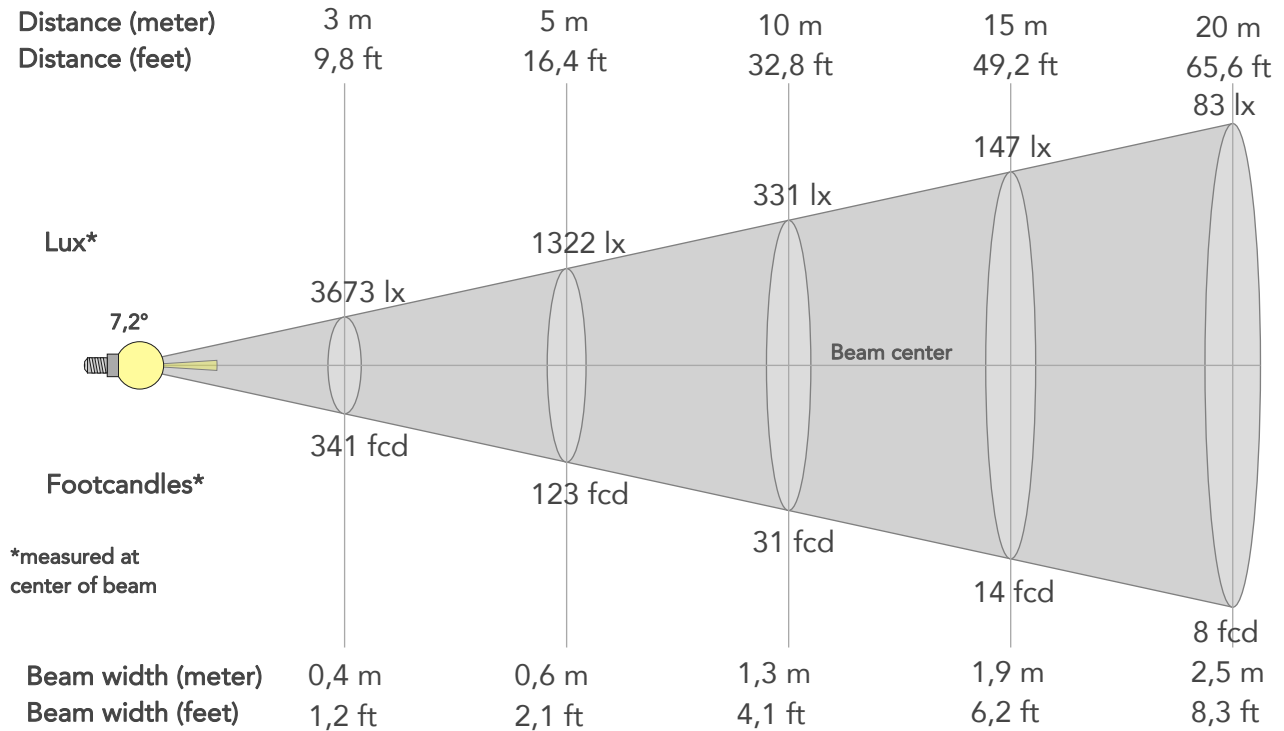
## Spectra



## BEAM DETAILS



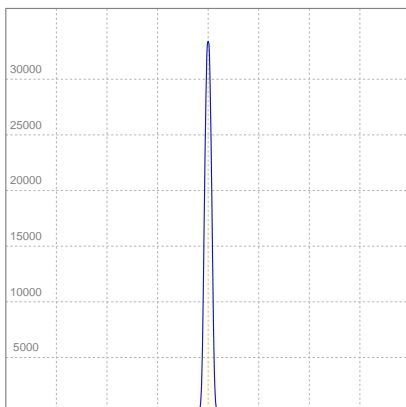
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,3°	13,7°	98,2%	97,9%



### 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	33053lx	8263lx	3673lx	2066lx	1322lx	588lx	331lx	147lx	83lx	53lx	37lx	21lx	13lx
Footcand.	3071fcd	768fcd	341fcd	192fcd	123fcd	55fcd	31fcd	14fcd	8fcd	5fcd	3fcd	2fcd	1fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,1m	3,8m	5m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,6ft	2,1ft	3,1ft	4,1ft	6,2ft	8,3ft	10,3ft	12,4ft	16,5ft	20,6ft

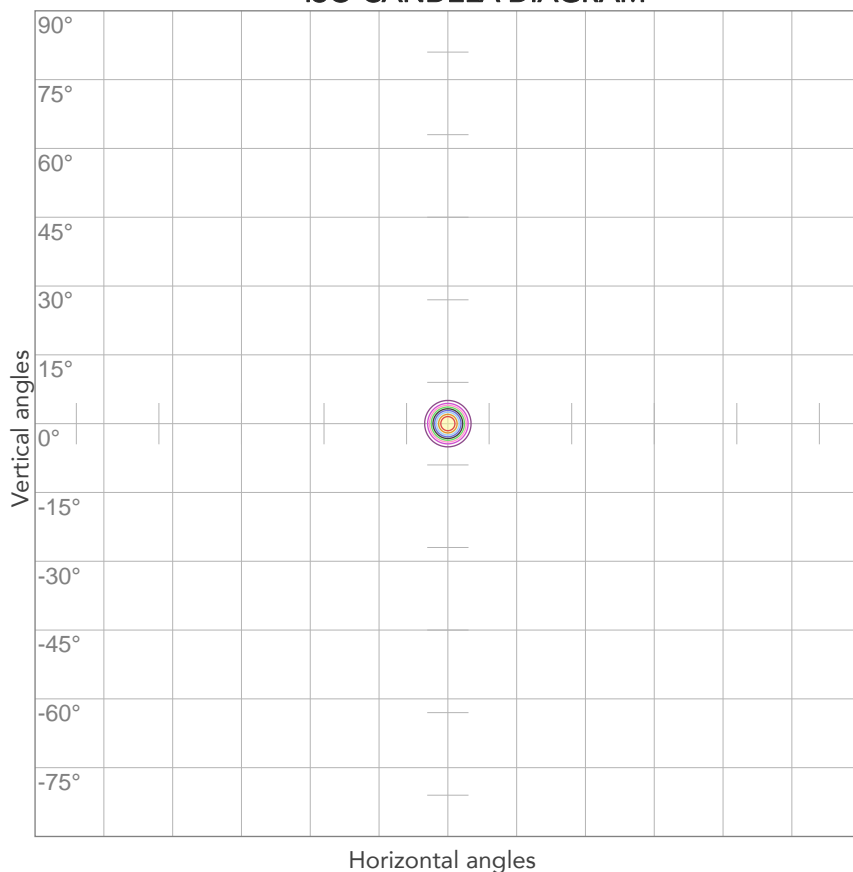
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,400A	72,4W	7lm/W

## ISO CANDELA DIAGRAM



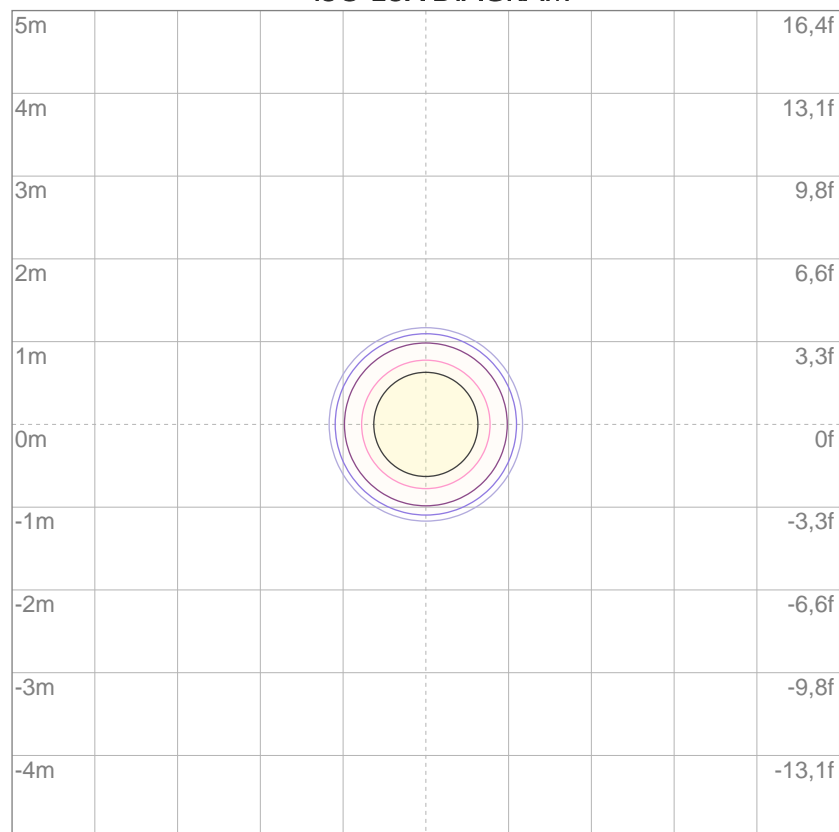
10%	3305 cd
20%	6611 cd
30%	9916 cd
40%	13221 cd
50%	16527 cd
60%	19832 cd
70%	23137 cd
80%	26443 cd

### Conditions:

Number of c-planes: 2

Candela at center: 33053 cd

## ISO LUX DIAGRAM



3%	9,92 lx
5%	16,5 lx
10%	33,1 lx
30%	99,2 lx
50%	165 lx

### Conditions:

Number of c-planes: 2

Lux at center: 331 lx

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



Total lumen output:

1230 lm

Peak candela output:

5274 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

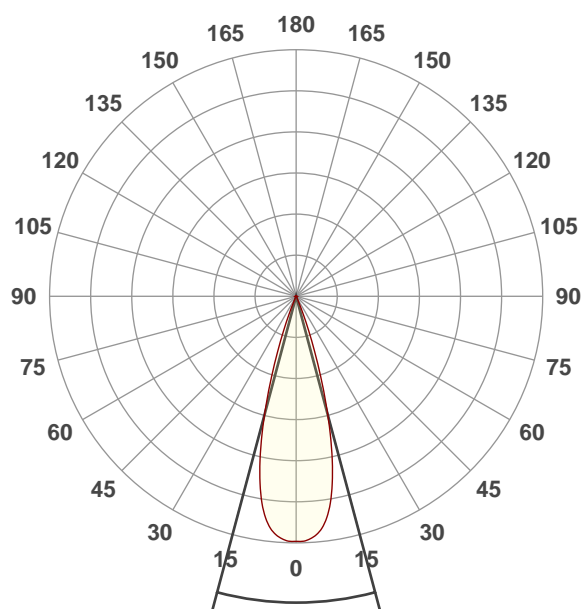
Green

Operator:

Paolo Carvone

Date and time:

02/03/2020 17:18:20

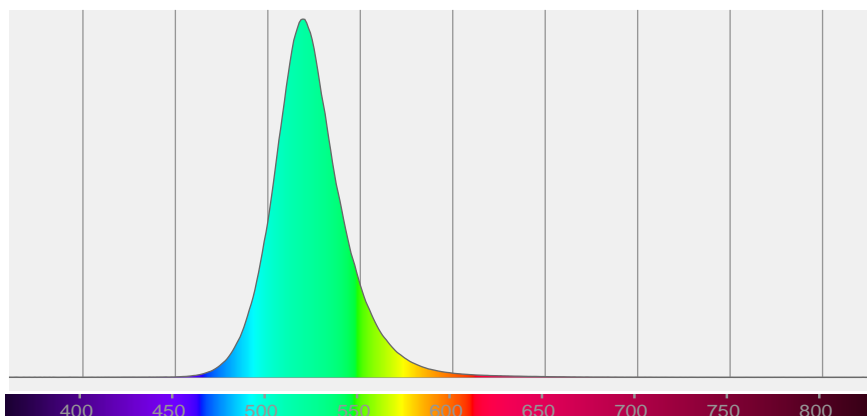


Beam angle 50%: 29,9°

Field angle 10%: 42,3°

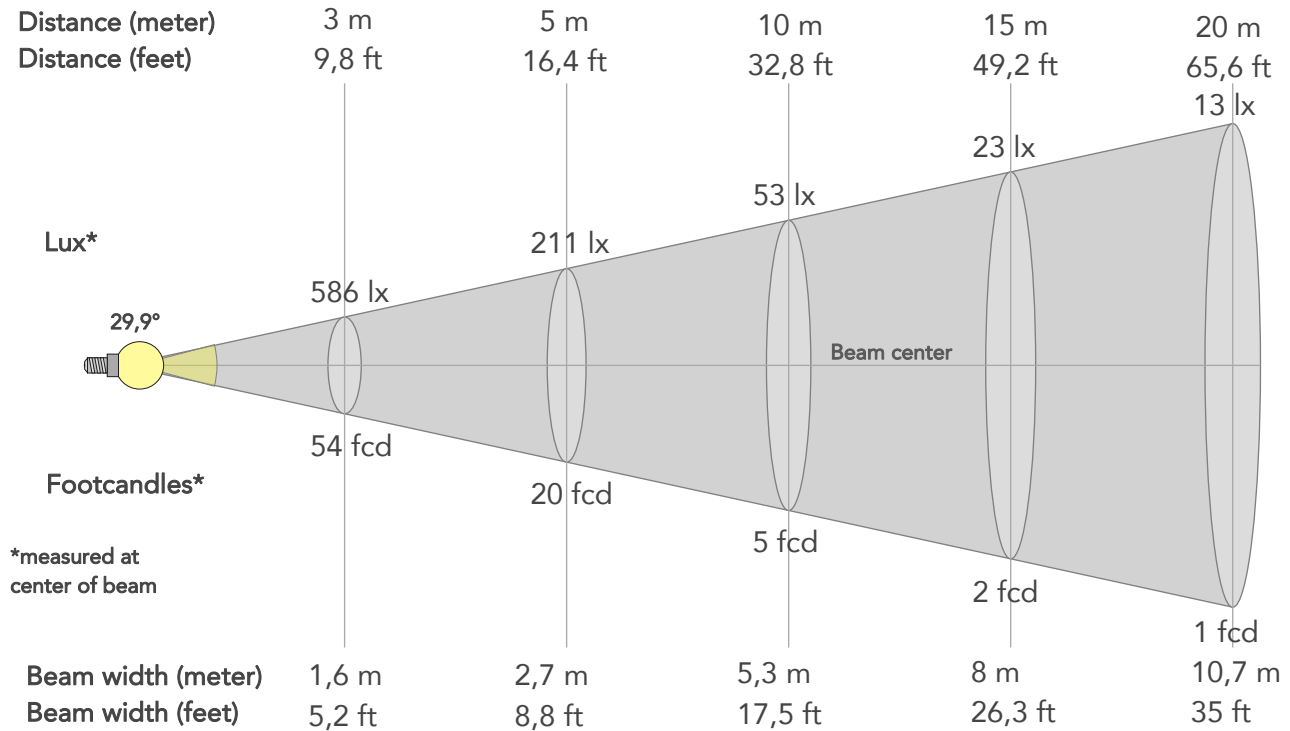
Cut off angle 2.5%: 47,7°

## Spectra



## BEAM DETAILS

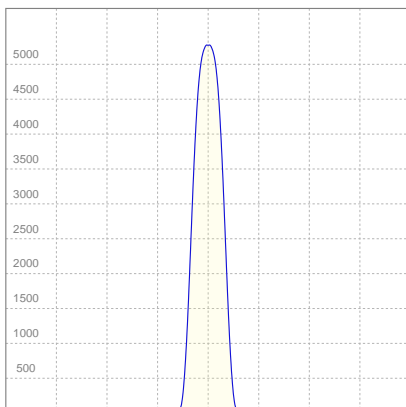
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,9°	42,3°	47,7°	99,4%	99,2%



### 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	5274lx	1318lx	586lx	330lx	211lx	94lx	53lx	23lx	13lx	8lx	6lx	3lx	2lx
Footcand.	490fcd	122fcd	54fcd	31fcd	20fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,7m	13,3m	16m	21,4m	26,7m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,8ft	13,1ft	17,5ft	26,3ft	35ft	43,8ft	52,5ft	70ft	87,5ft

### LINEAR DISTRIBUTION DIAGRAM

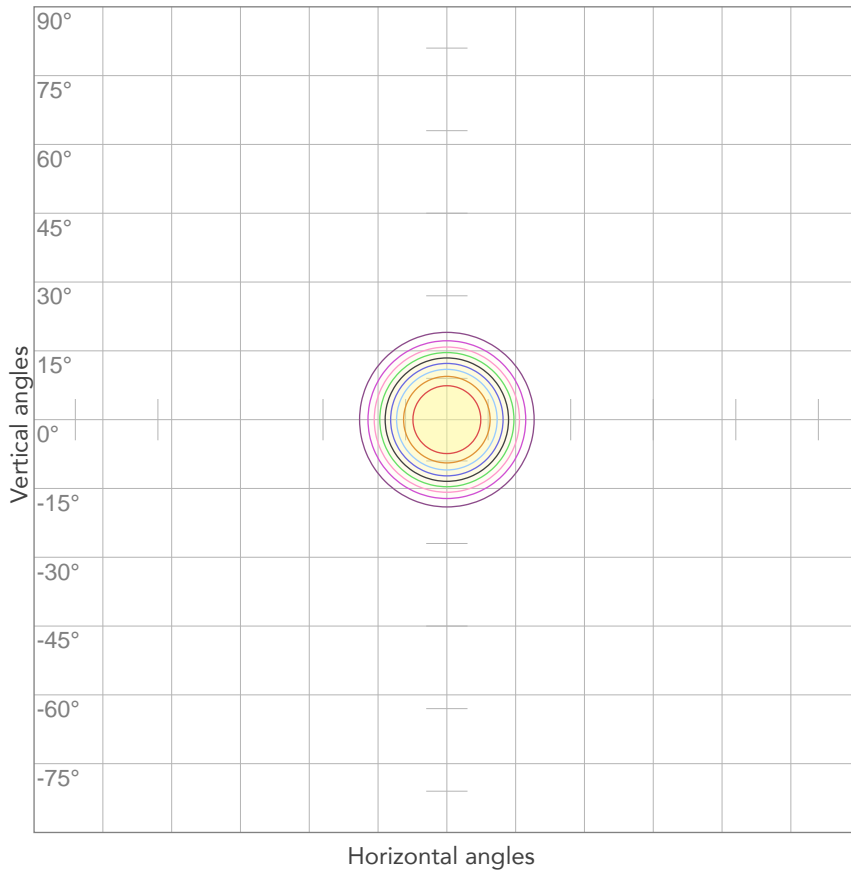


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,425A	77,9W	16lm/W



## ISO CANDELA DIAGRAM



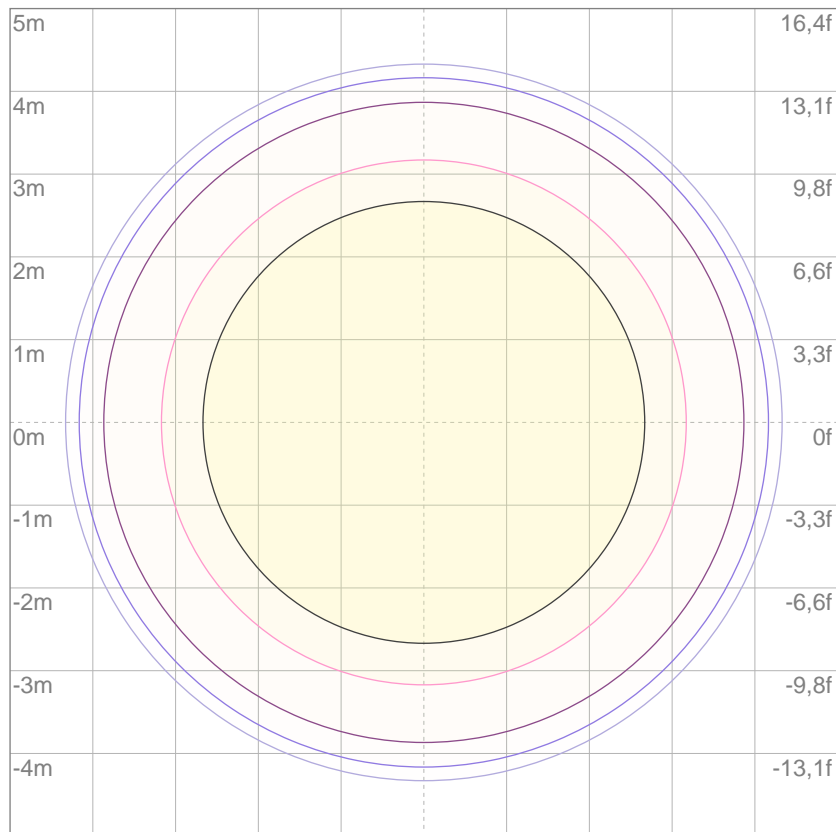
10%	527 cd
20%	1055 cd
30%	1582 cd
40%	2109 cd
50%	2637 cd
60%	3164 cd
70%	3692 cd
80%	4219 cd

### Conditions:

Number of c-planes: 2

Candela at center: 5274 cd

## ISO LUX DIAGRAM



3%	1,58 lx
5%	2,64 lx
10%	5,27 lx
30%	15,8 lx
50%	26,4 lx

### Conditions:

Number of c-planes: 2

Lux at center: 52,7 lx

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



Total lumen output:

1223 lm

Peak candela output:

17866 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

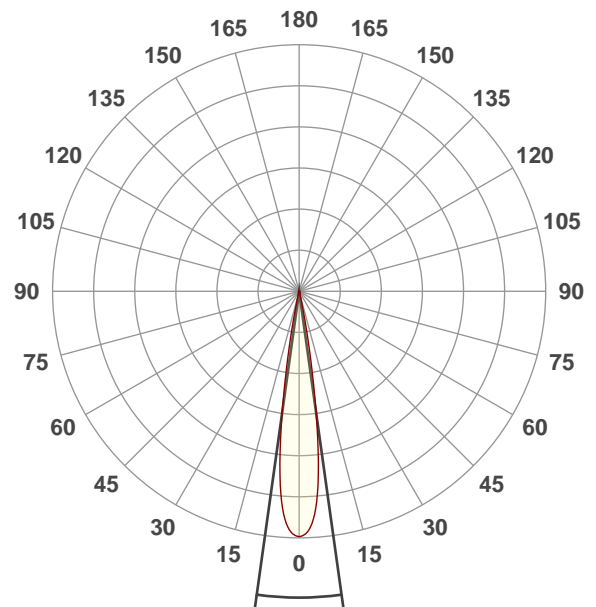
Green

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:18:32

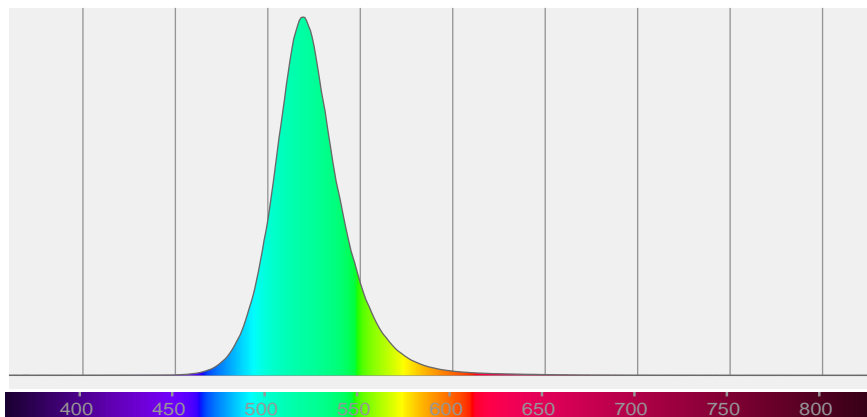


Beam angle 50%: 15,9°

Field angle 10%: 23,2°

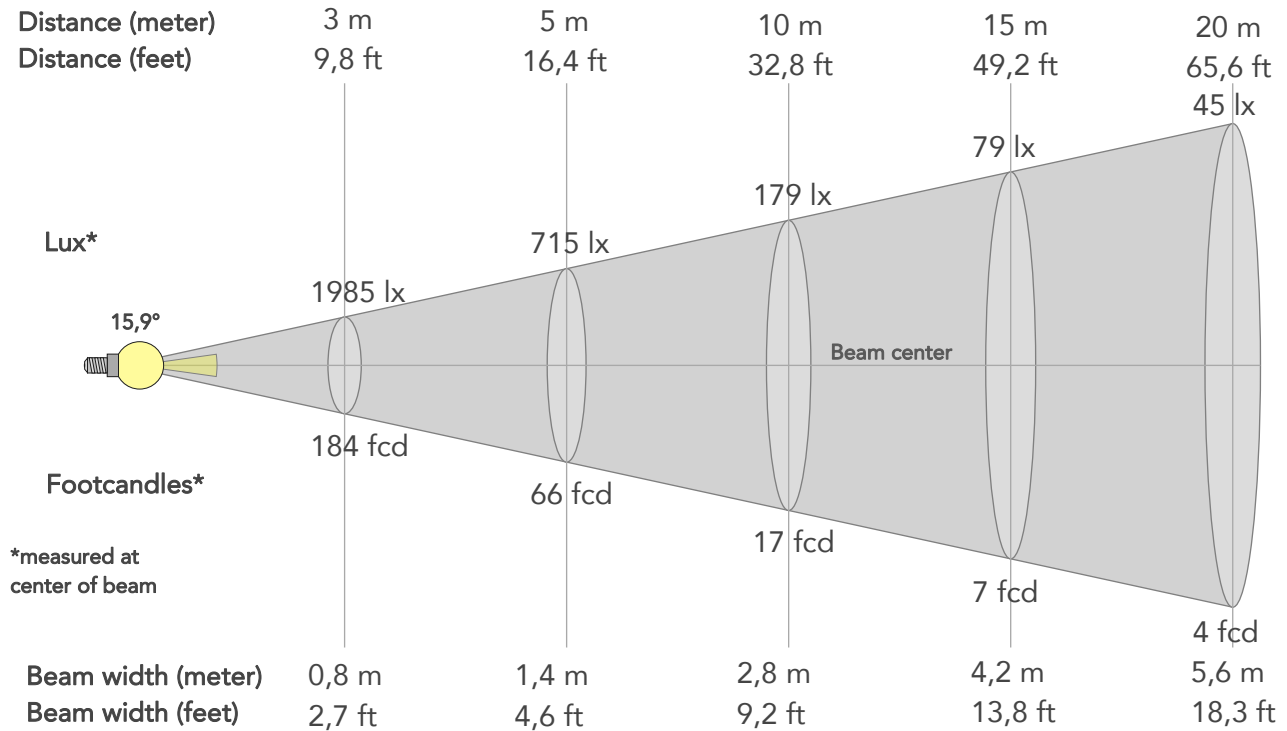
Cut off angle 2.5%: 26,6°

## Spectra



## BEAM DETAILS

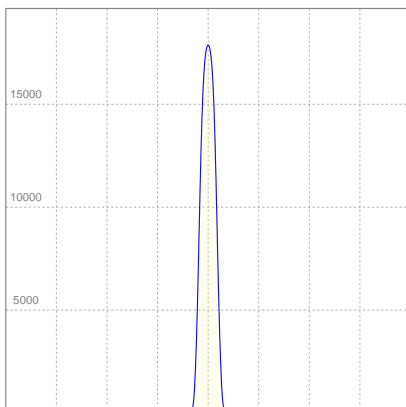
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,9°	23,2°	26,6°	99,6%	99,4%



### 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	17866lx	4466lx	1985lx	1117lx	715lx	318lx	179lx	79lx	45lx	29lx	20lx	11lx	7lx
Footcand.	1660fcd	415fcd	184fcd	104fcd	66fcd	30fcd	17fcd	7fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,2m	14m
Beam wid.	0,9ft	1,8ft	2,7ft	3,7ft	4,6ft	6,9ft	9,2ft	13,8ft	18,3ft	22,9ft	27,5ft	36,7ft	45,8ft

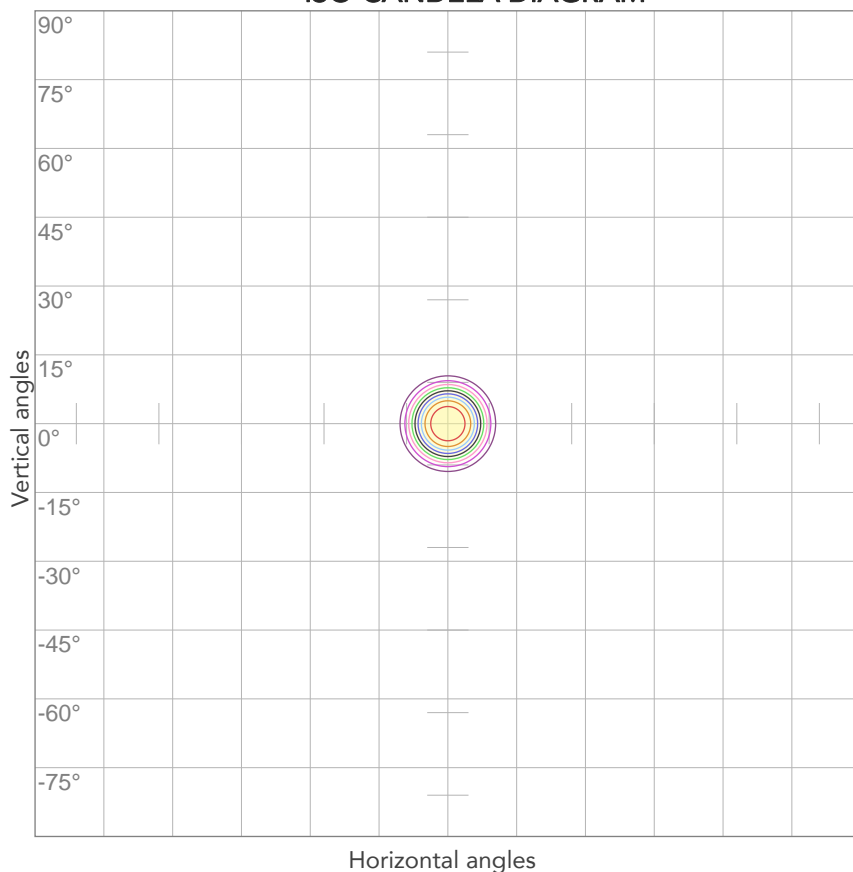
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	0,424A	77,7W	16lm/W

## ISO CANDELA DIAGRAM



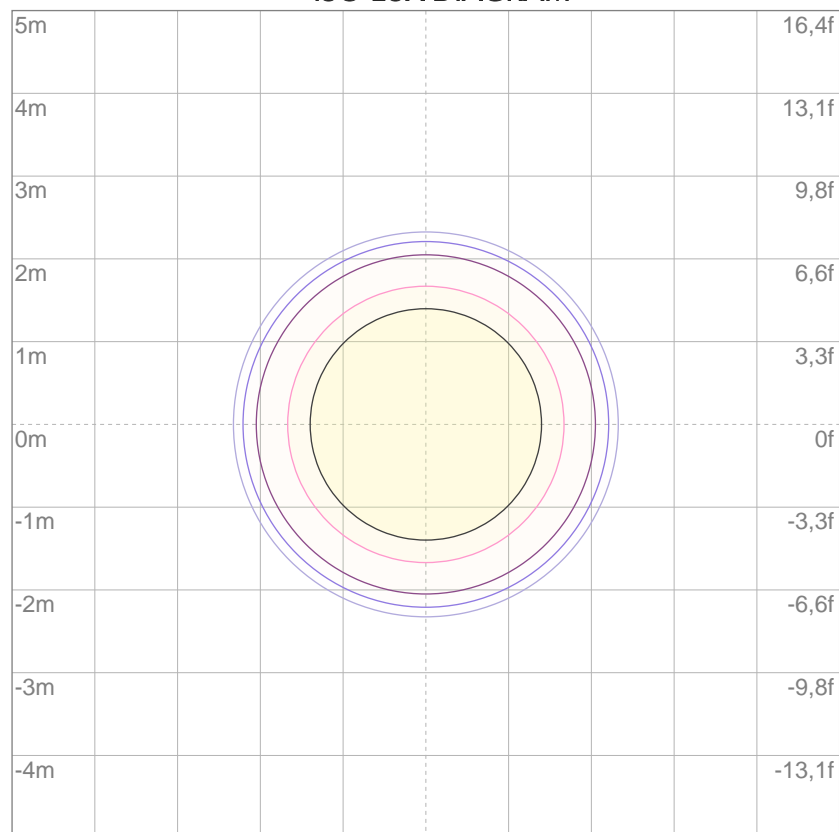
10%	1787 cd
20%	3573 cd
30%	5360 cd
40%	7146 cd
50%	8933 cd
60%	10719 cd
70%	12506 cd
80%	14293 cd

### Conditions:

Number of c-planes: 2

Candela at center: 17866 cd

## ISO LUX DIAGRAM



3%	5,36 lx
5%	8,93 lx
10%	17,9 lx
30%	53,6 lx
50%	89,3 lx

### Conditions:

Number of c-planes: 2

Lux at center: 179 lx

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



Total lumen output:

1110 lm

Peak candela output:

73702 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

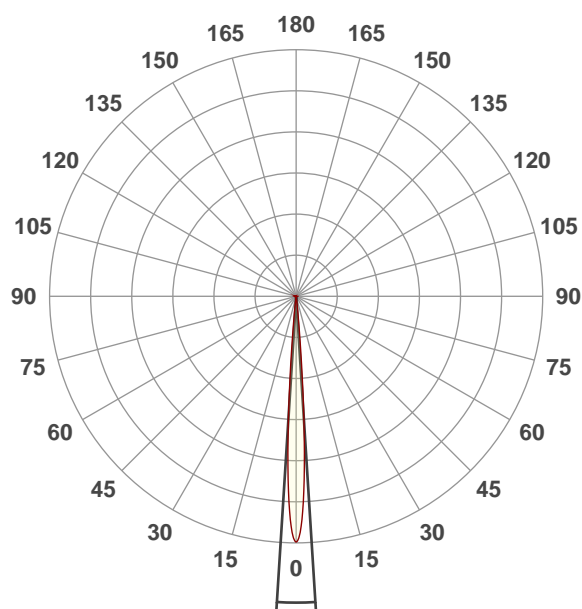
Green

Operator:

Paolo Carvone

Date and time:

02/03/2020 16:39:06

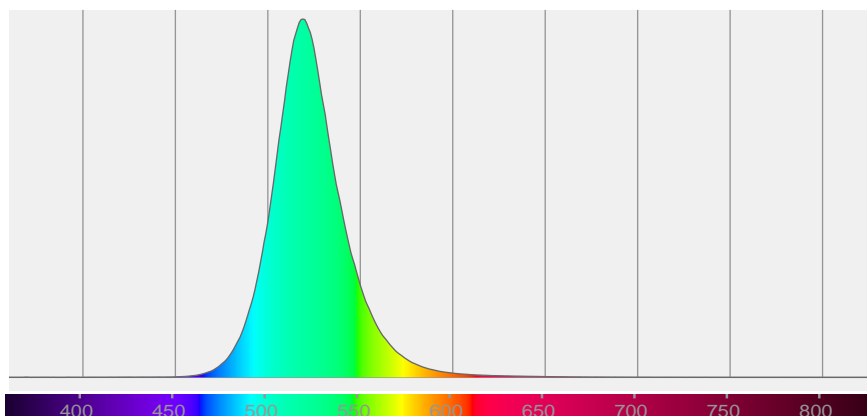


Beam angle 50%: 7,2°

Field angle 10%: 11,3°

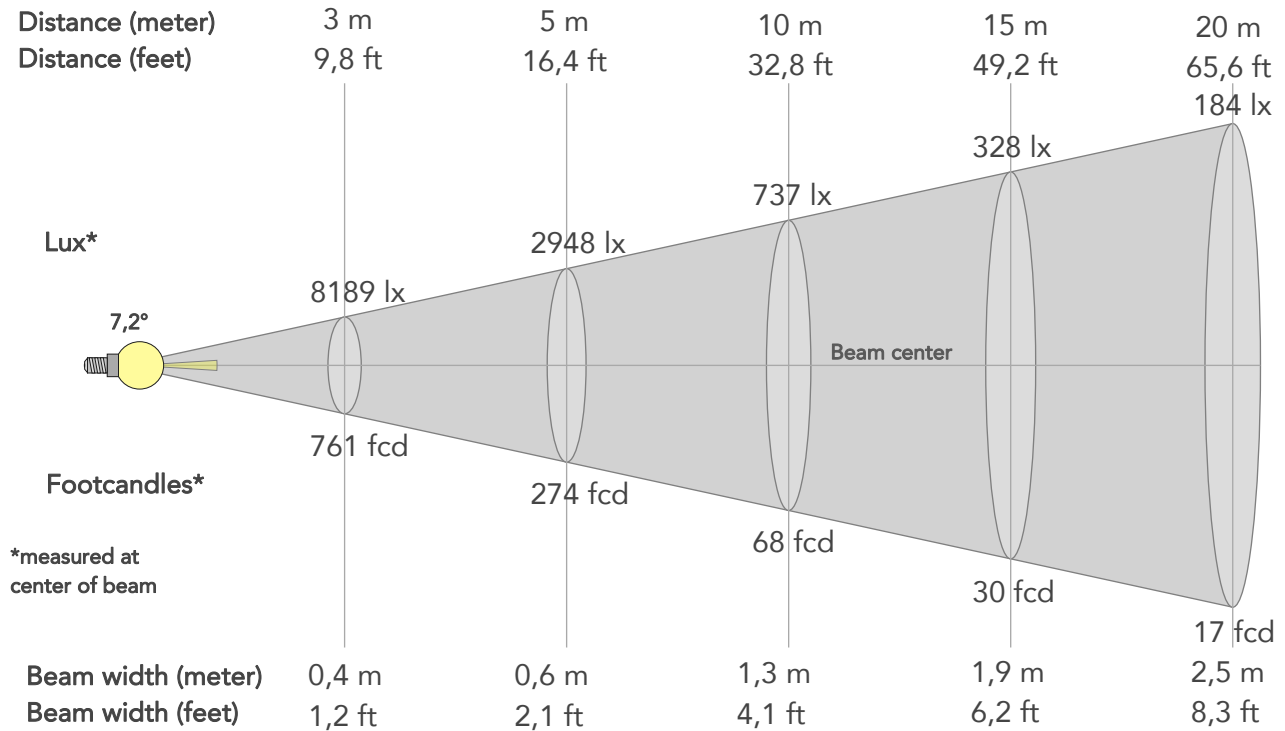
Cut off angle 2.5%: 13,6°

## Spectra



## BEAM DETAILS

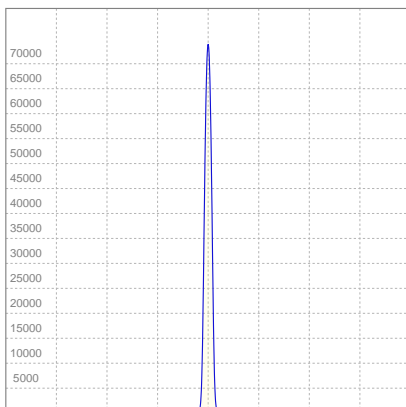
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,3°	13,6°	99,6%	99,6%



### 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	73702lx	18426lx	8189lx	4606lx	2948lx	1310lx	737lx	328lx	184lx	118lx	82lx	46lx	29lx
Footcand.	6847fcd	1712fcd	761fcd	428fcd	274fcd	122fcd	68fcd	30fcd	17fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,1m	3,8m	5m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,6ft	2,1ft	3,1ft	4,1ft	6,2ft	8,3ft	10,3ft	12,4ft	16,5ft	20,7ft

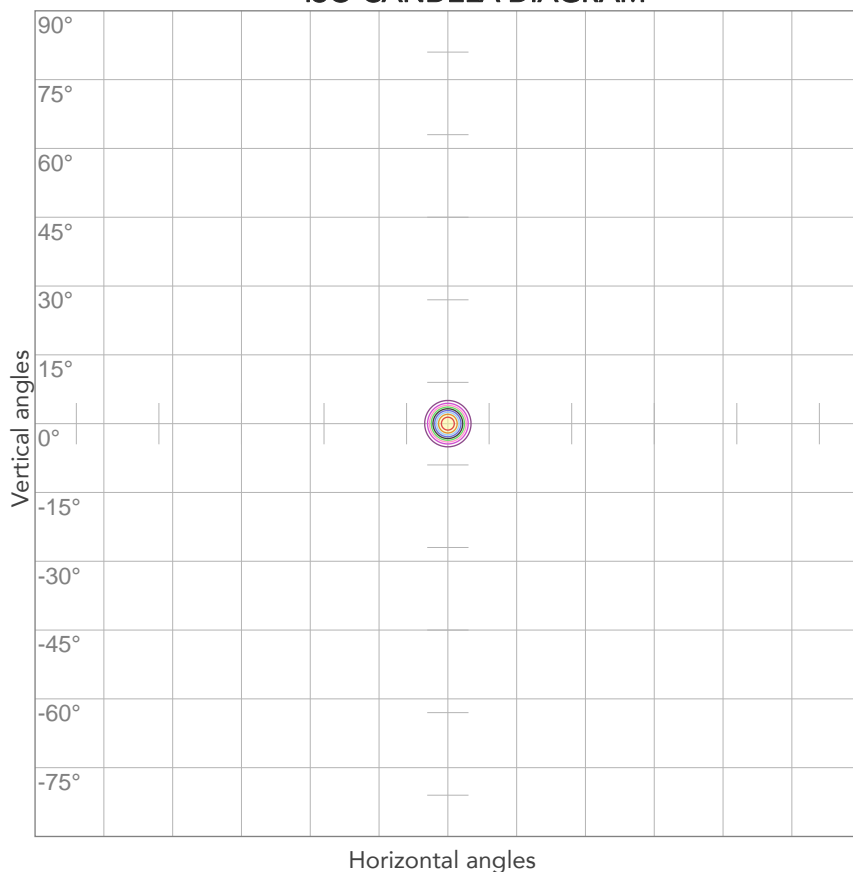
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,423A	77,5W	14lm/W

## ISO CANDELA DIAGRAM



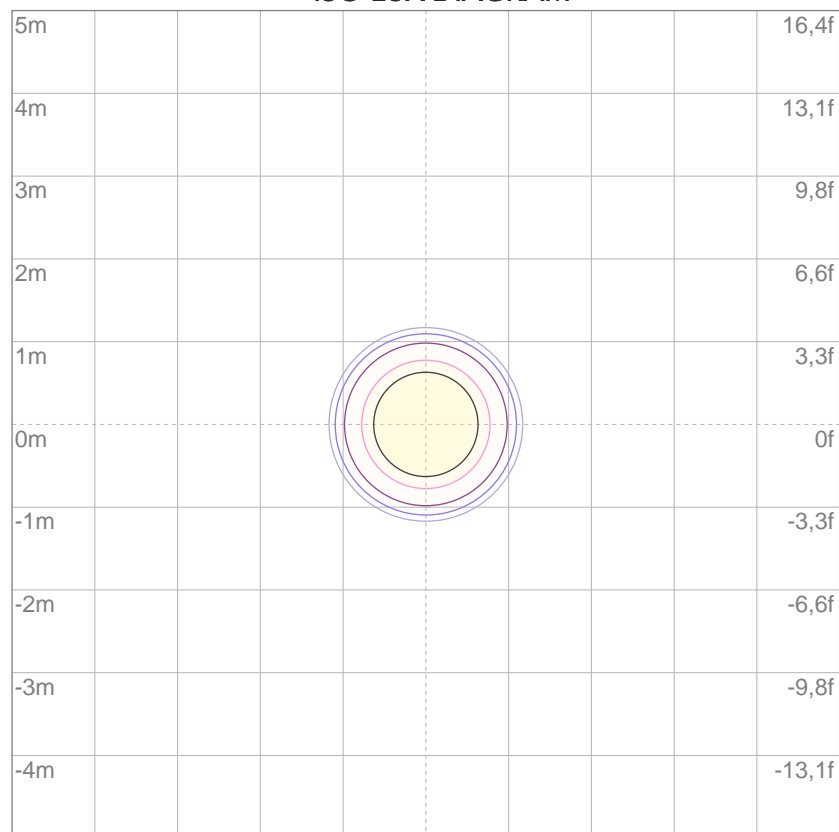
10%	7370 cd
20%	14740 cd
30%	22111 cd
40%	29481 cd
50%	36851 cd
60%	44221 cd
70%	51592 cd
80%	58962 cd

### Conditions:

Number of c-planes: 2

Candela at center: 73702 cd

## ISO LUX DIAGRAM



3%	22,1 lx
5%	36,9 lx
10%	73,7 lx
30%	221 lx
50%	369 lx

### Conditions:

Number of c-planes: 2

Lux at center: 737 lx

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



Total lumen output:

264 lm

Peak candela output:

1149 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

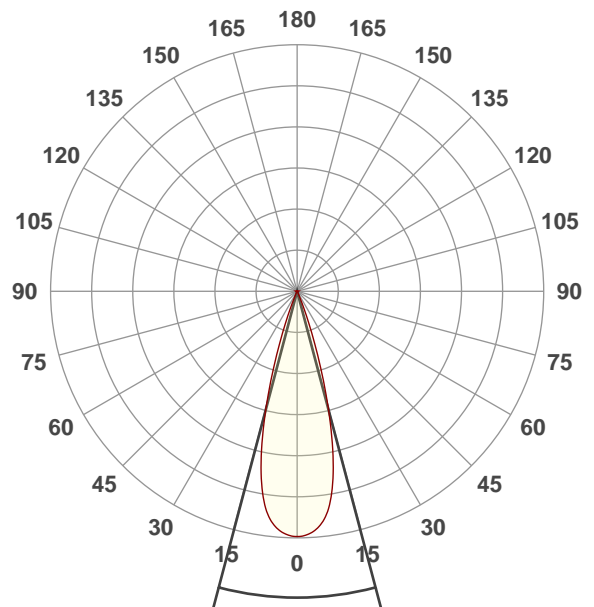
Blue

Operator:

Paolo Carvone

Date and time:

02/03/2020 17:20:08

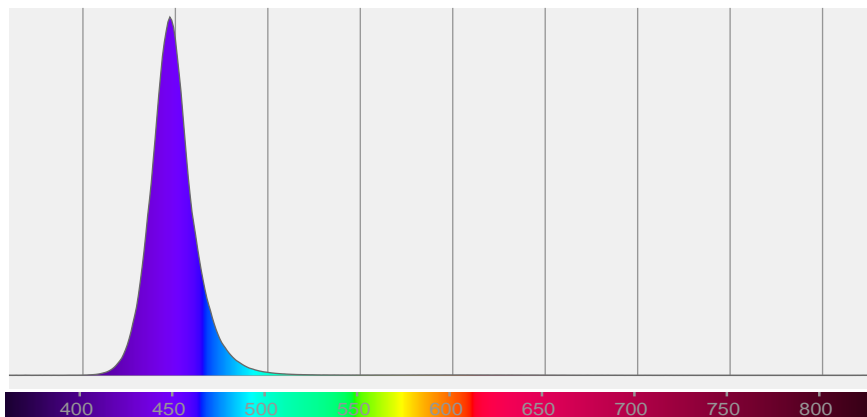


Beam angle 50%: 29,7°

Field angle 10%: 42°

Cut off angle 2.5%: 47,5°

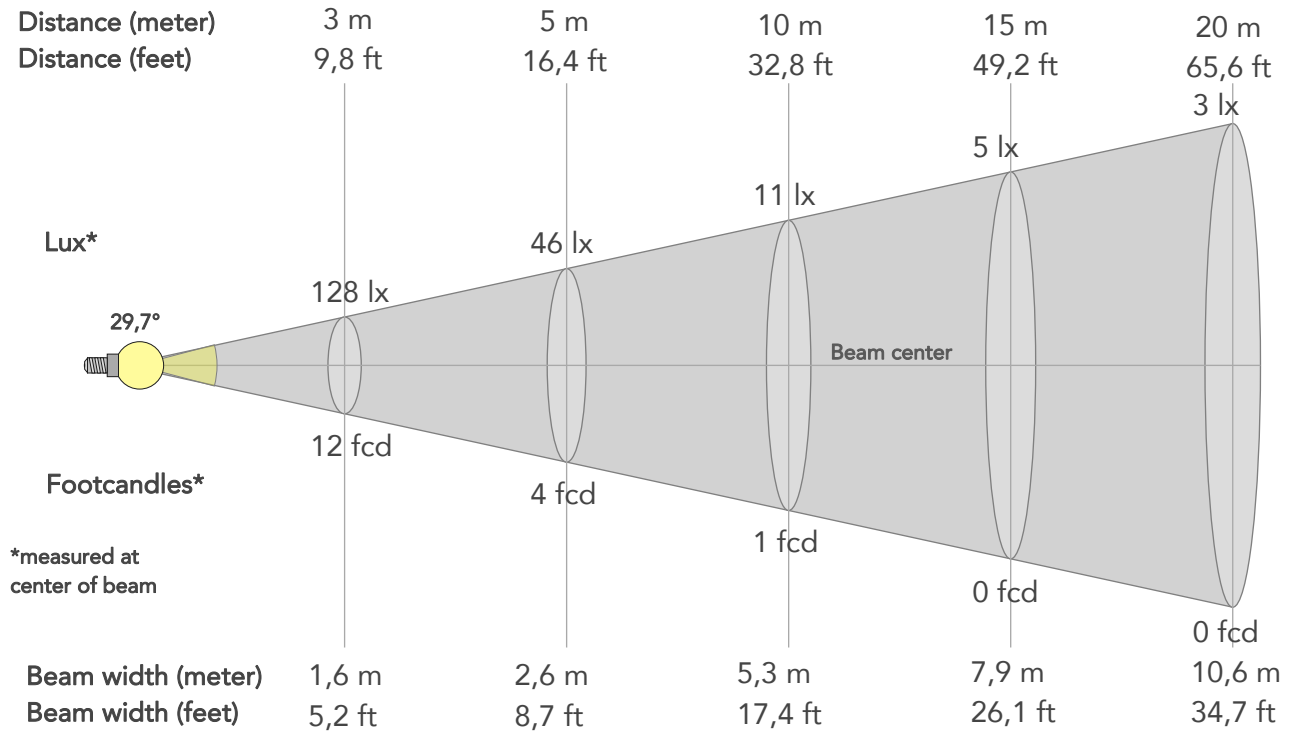
## Spectra





## BEAM DETAILS

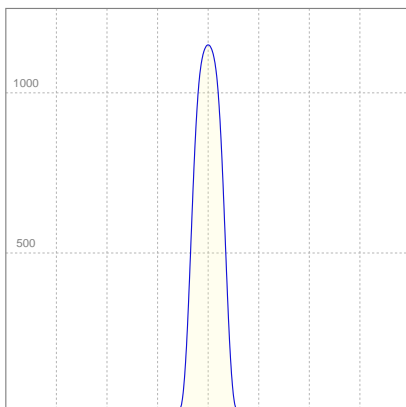
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,7°	42°	47,5°	99,4%	99,2%



### 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	1149lx	287lx	128lx	72lx	46lx	20lx	11lx	5lx	3lx	2lx	1lx	1lx	0lx
Footcand.	107fcd	27fcd	12fcd	7fcd	4fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,6m	4m	5,3m	7,9m	10,6m	13,2m	15,9m	21,2m	26,5m
Beam wid.	1,7ft	3,5ft	5,2ft	6,9ft	8,7ft	13ft	17,4ft	26,1ft	34,7ft	43,4ft	52,1ft	69,5ft	86,8ft

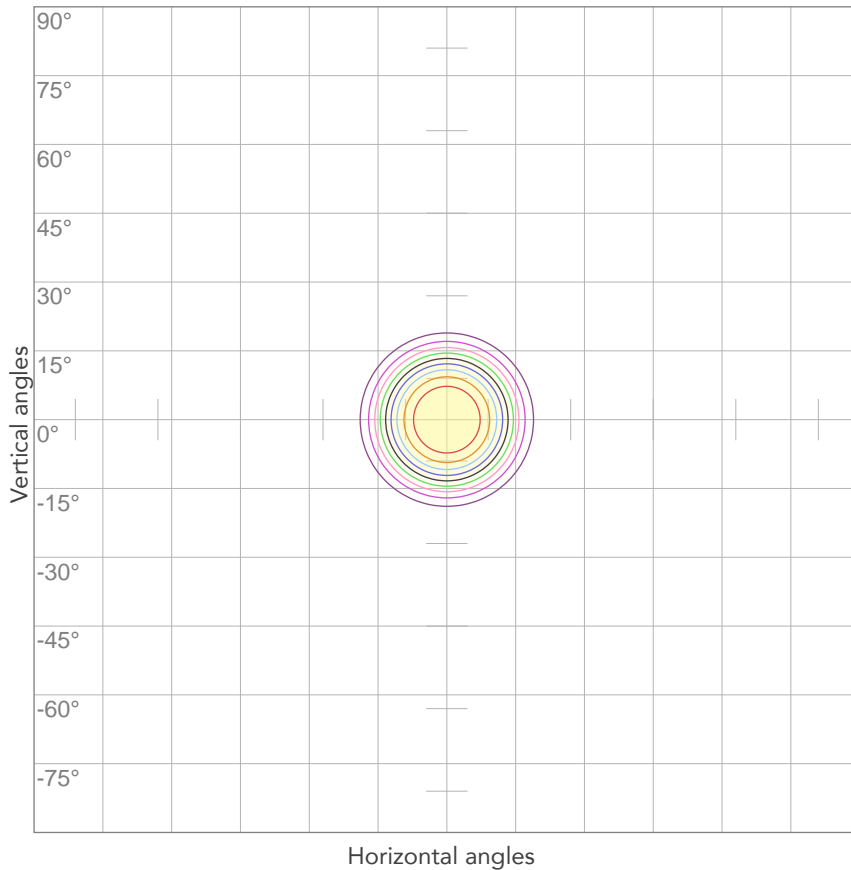
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	0,419A	76,8W	3lm/W

## ISO CANDELA DIAGRAM



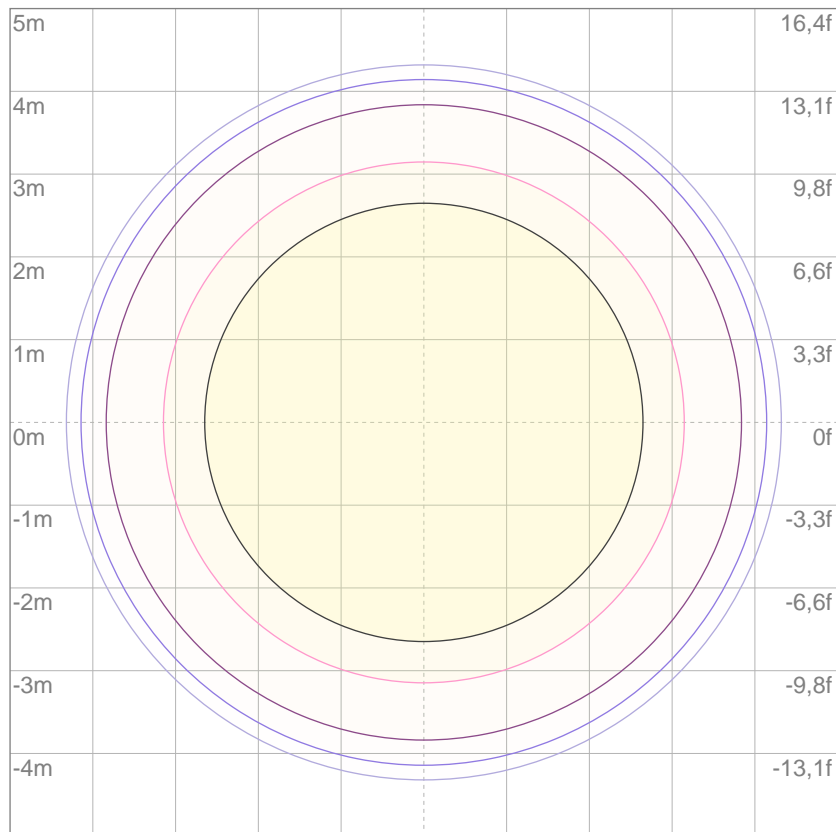
10%	115 cd
20%	230 cd
30%	345 cd
40%	459 cd
50%	574 cd
60%	689 cd
70%	804 cd
80%	919 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1149 cd

## ISO LUX DIAGRAM



3%	0,345 lx
5%	0,574 lx
10%	1,15 lx
30%	3,45 lx
50%	5,74 lx

### Conditions:

Number of c-planes: 2

Lux at center: 11,5 lx

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



Total lumen output:

267 lm

Peak candela output:

3967 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

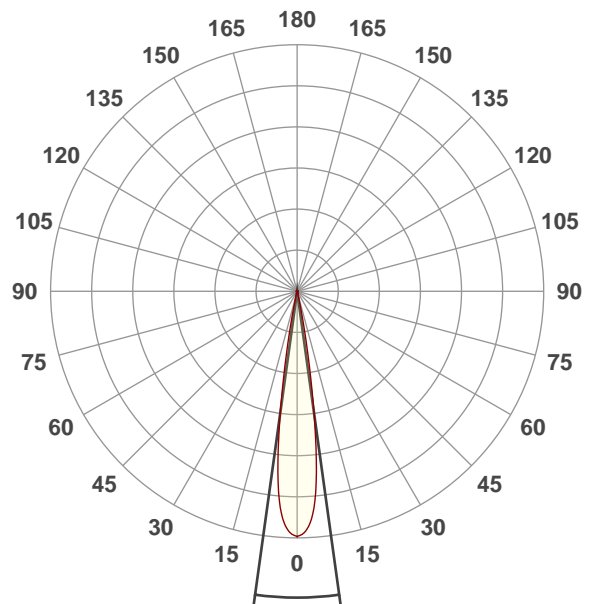
Blue

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:20:07

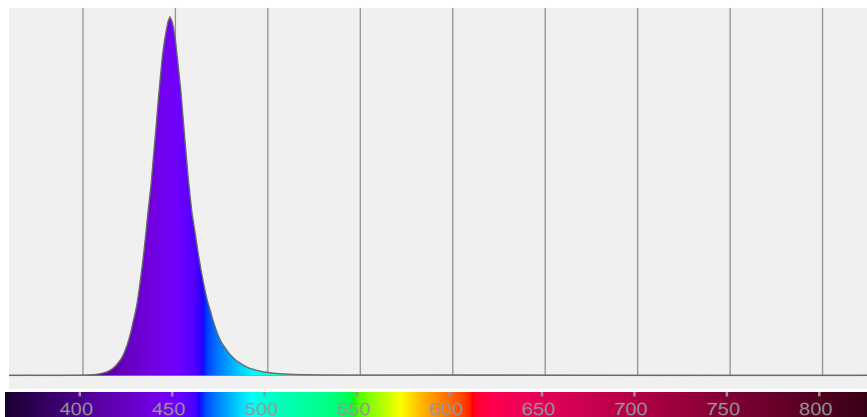


Beam angle 50%: 15,8°

Field angle 10%: 22,9°

Cut off angle 2.5%: 26,3°

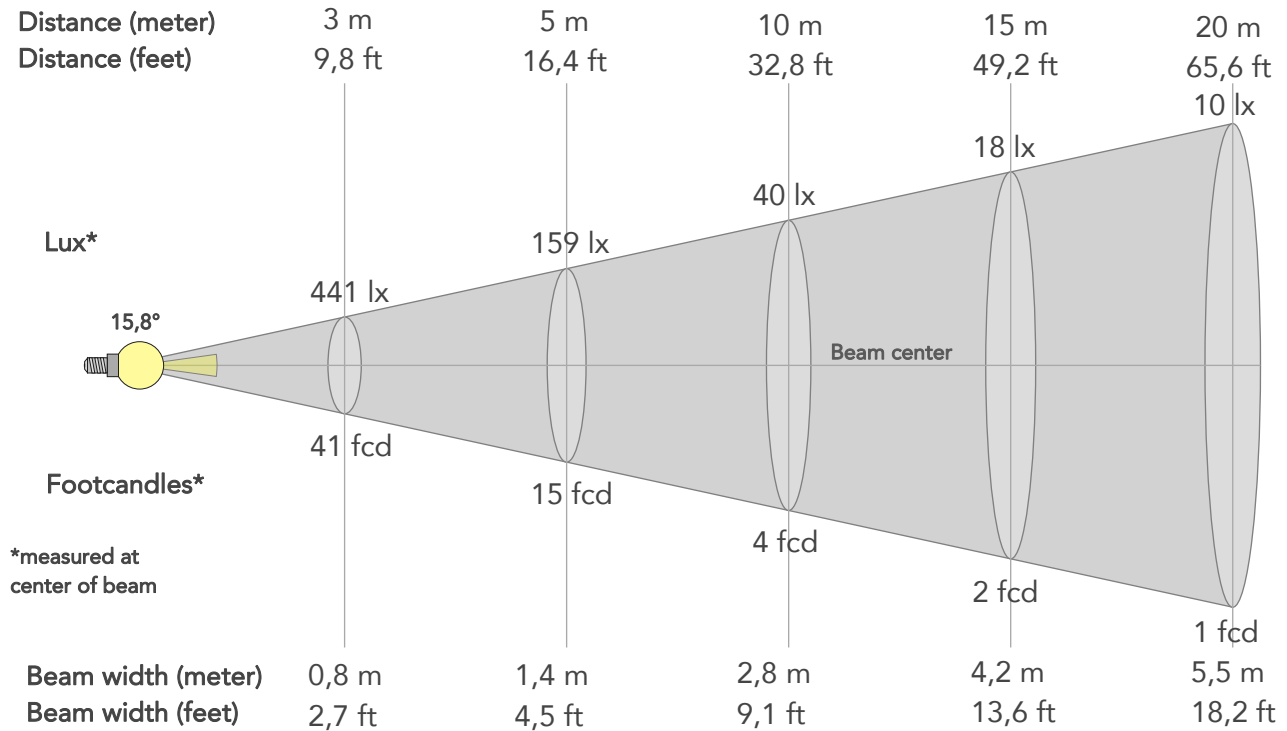
## Spectra



## BEAM DETAILS



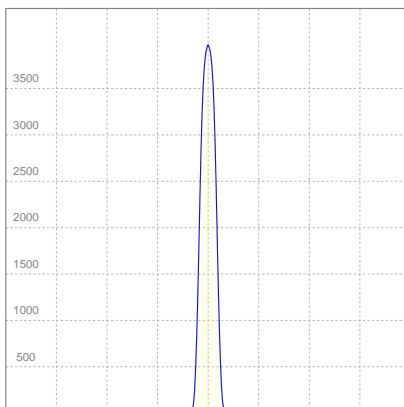
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,8°	22,9°	26,3°	99,6%	99,5%



### 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	3967lx	992lx	441lx	248lx	159lx	71lx	40lx	18lx	10lx	6lx	4lx	2lx	2lx
Footcand.	369fcd	92fcd	41fcd	23fcd	15fcd	7fcd	4fcd	2fcd	1fcd	1fcd	0fcd	0fcd	0fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,5m	6,9m	8,3m	11,1m	13,9m
Beam wid.	0,9ft	1,8ft	2,7ft	3,6ft	4,5ft	6,8ft	9,1ft	13,6ft	18,2ft	22,7ft	27,3ft	36,4ft	45,5ft

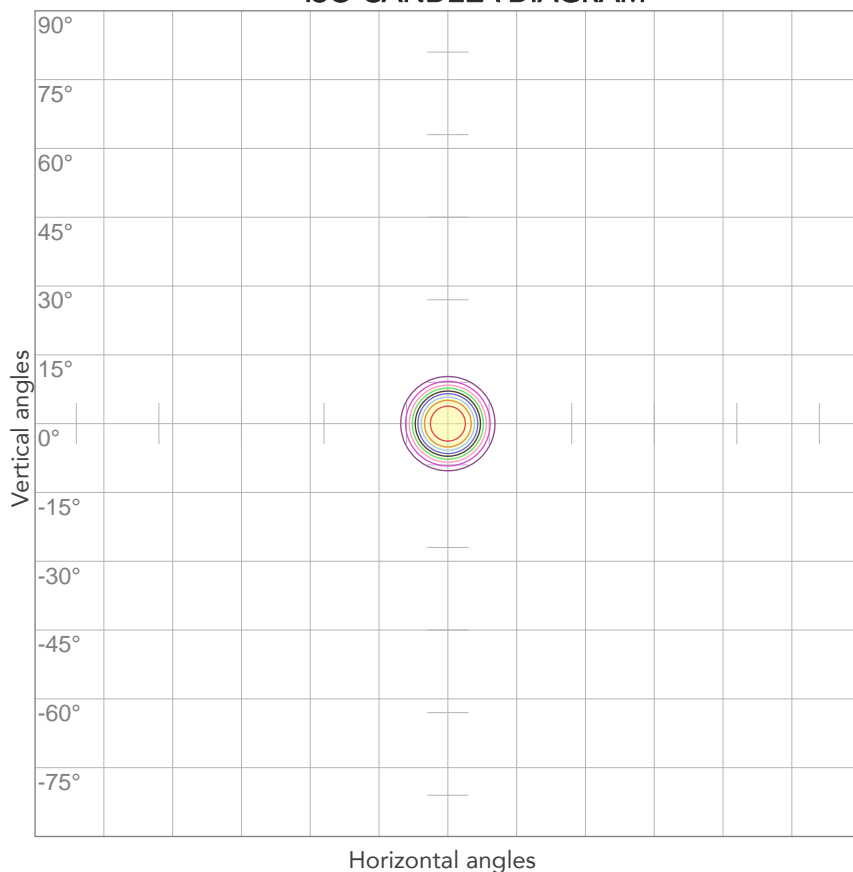
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,420A	76,7W	3lm/W

## ISO CANDELA DIAGRAM



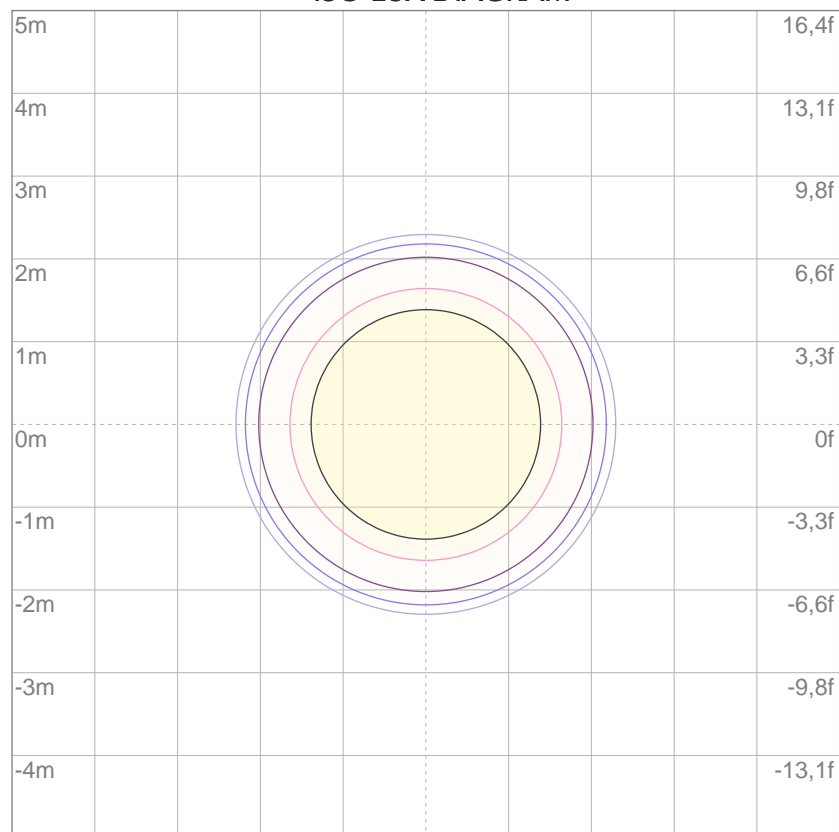
10%	397 cd
20%	793 cd
30%	1190 cd
40%	1587 cd
50%	1983 cd
60%	2380 cd
70%	2777 cd
80%	3173 cd

### Conditions:

Number of c-planes: 2

Candela at center: 3967 cd

## ISO LUX DIAGRAM



3%	1,19 lx
5%	1,98 lx
10%	3,97 lx
30%	11,9 lx
50%	19,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 39,7 lx

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



Total lumen output:

249 lm

Peak candela output:

16248 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

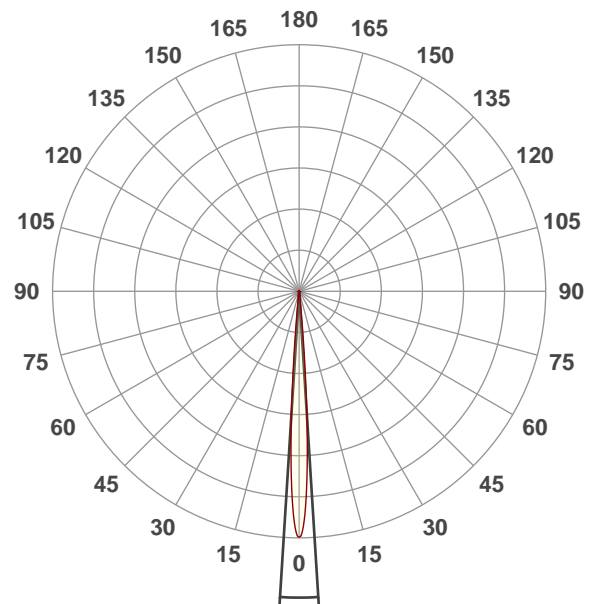
Blue

Operator:

Paolo Carvone

Date and time:

02/03/2020 16:40:43

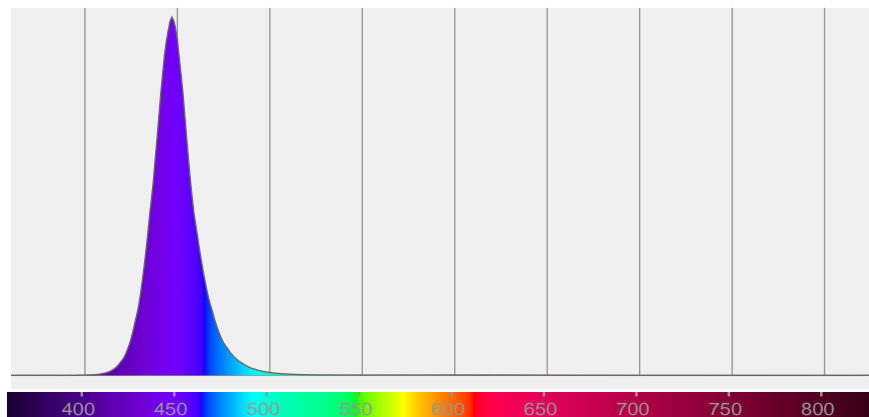


Beam angle 50%: 7,2°

Field angle 10%: 11,3°

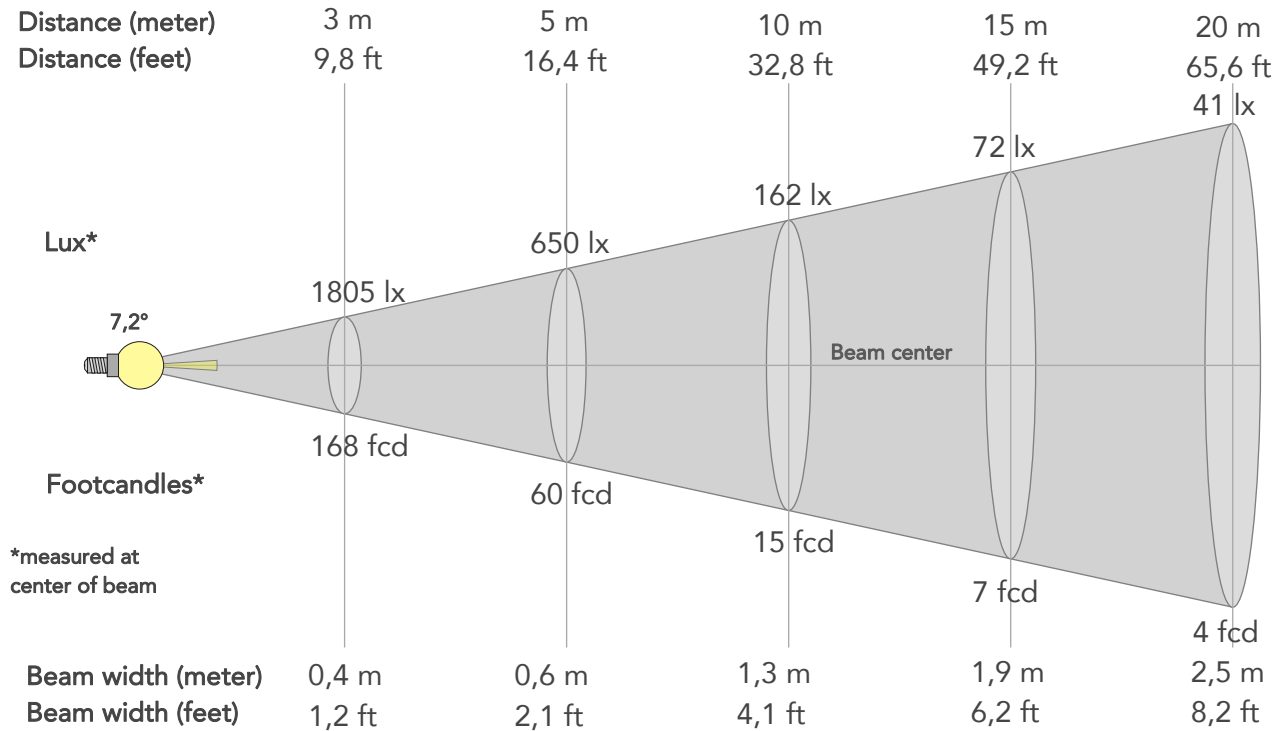
Cut off angle 2.5%: 13,6°

## Spectra



## BEAM DETAILS

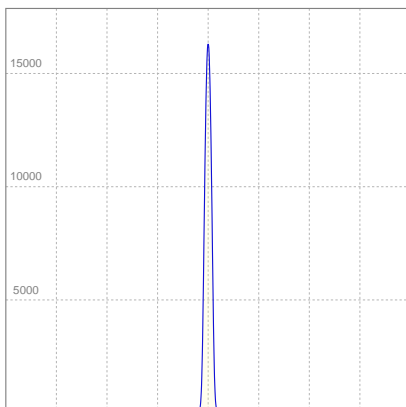
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,3°	13,6°	98,1%	97,7%



### 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	16248lx	4062lx	1805lx	1015lx	650lx	289lx	162lx	72lx	41lx	26lx	18lx	10lx	6lx
Footcand.	1509fcd	377fcd	168fcd	94fcd	60fcd	27fcd	15fcd	7fcd	4fcd	2fcd	2fcd	1fcd	1fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,1m	3,8m	5m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,6ft	2,1ft	3,1ft	4,1ft	6,2ft	8,2ft	10,3ft	12,3ft	16,4ft	20,5ft

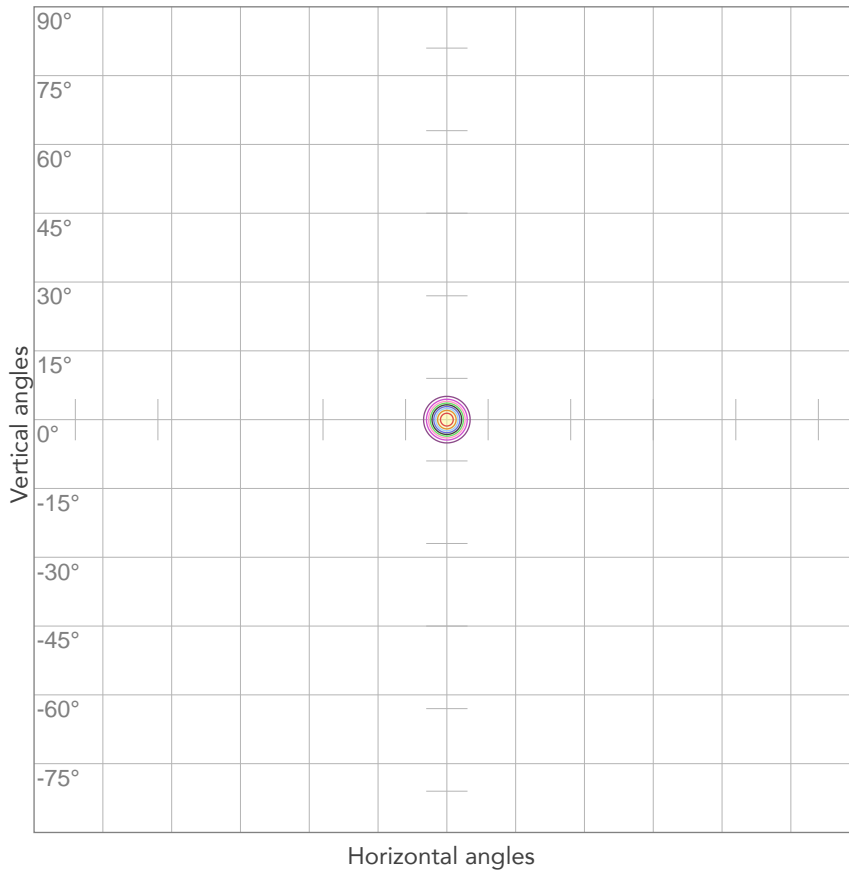
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,422A	77,4W	3lm/W

## ISO CANDELA DIAGRAM



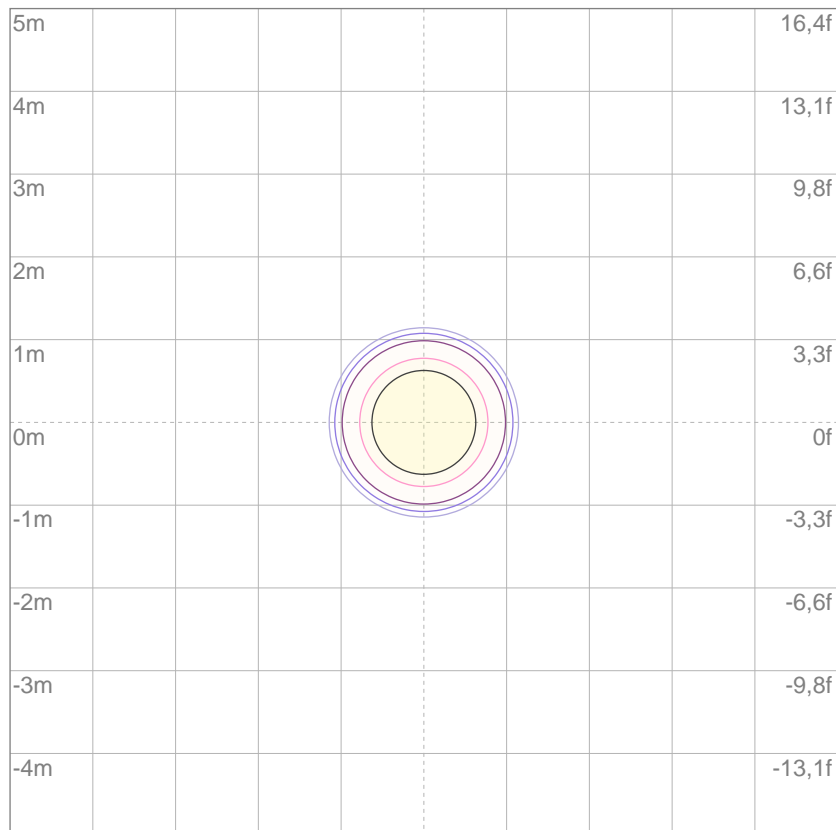
10%	1625 cd
20%	3250 cd
30%	4874 cd
40%	6499 cd
50%	8124 cd
60%	9749 cd
70%	11373 cd
80%	12998 cd

### Conditions:

Number of c-planes: 2

Candela at center: 16248 cd

## ISO LUX DIAGRAM



3%	4,87 lx
5%	8,12 lx
10%	16,2 lx
30%	48,7 lx
50%	81,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 162 lx

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





Total lumen output:

1285 lm

Peak candela output:

5568 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

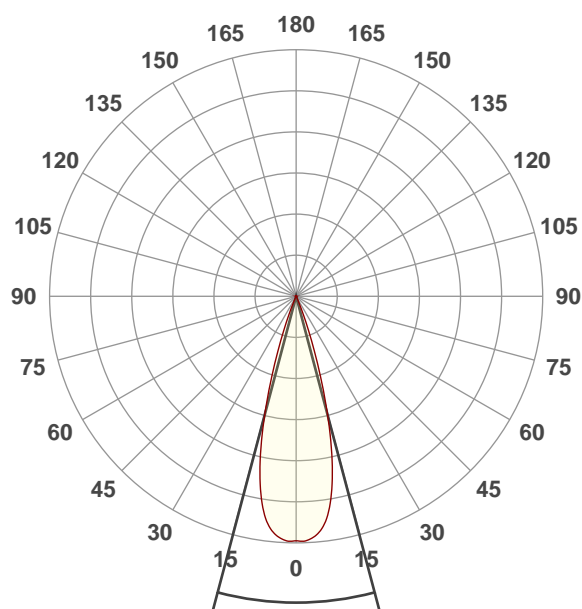
White

Operator:

Paolo Carvone

Date and time:

02/03/2020 17:59:30

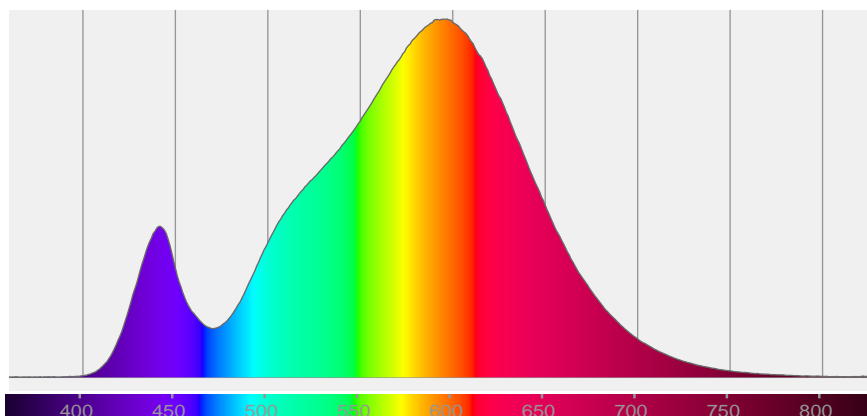


Beam angle 50%: 29,7°

Field angle 10%: 42,1°

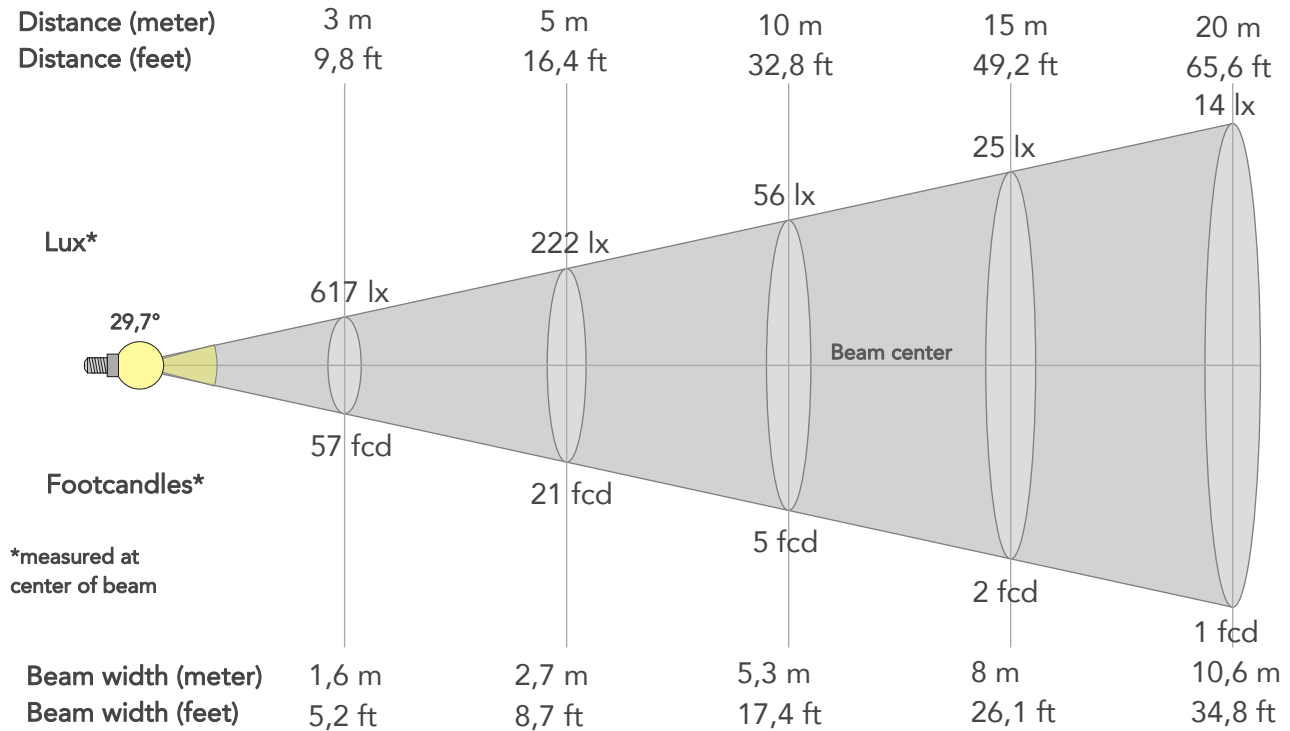
Cut off angle 2.5%: 47,5°

## Spectra



## BEAM DETAILS

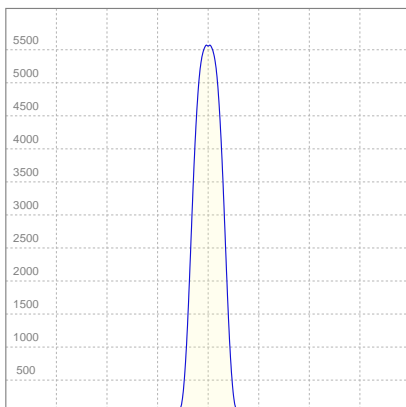
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,7°	42,1°	47,5°	99,4%	99,2%



### 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	5557lx	1389lx	617lx	347lx	222lx	99lx	56lx	25lx	14lx	9lx	6lx	3lx	2lx
Footcand.	516fcd	129fcd	57fcd	32fcd	21fcd	9fcd	5fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,6m	13,3m	15,9m	21,2m	26,5m
Beam wid.	1,7ft	3,5ft	5,2ft	6,9ft	8,7ft	13ft	17,4ft	26,1ft	34,8ft	43,5ft	52,2ft	69,6ft	87ft

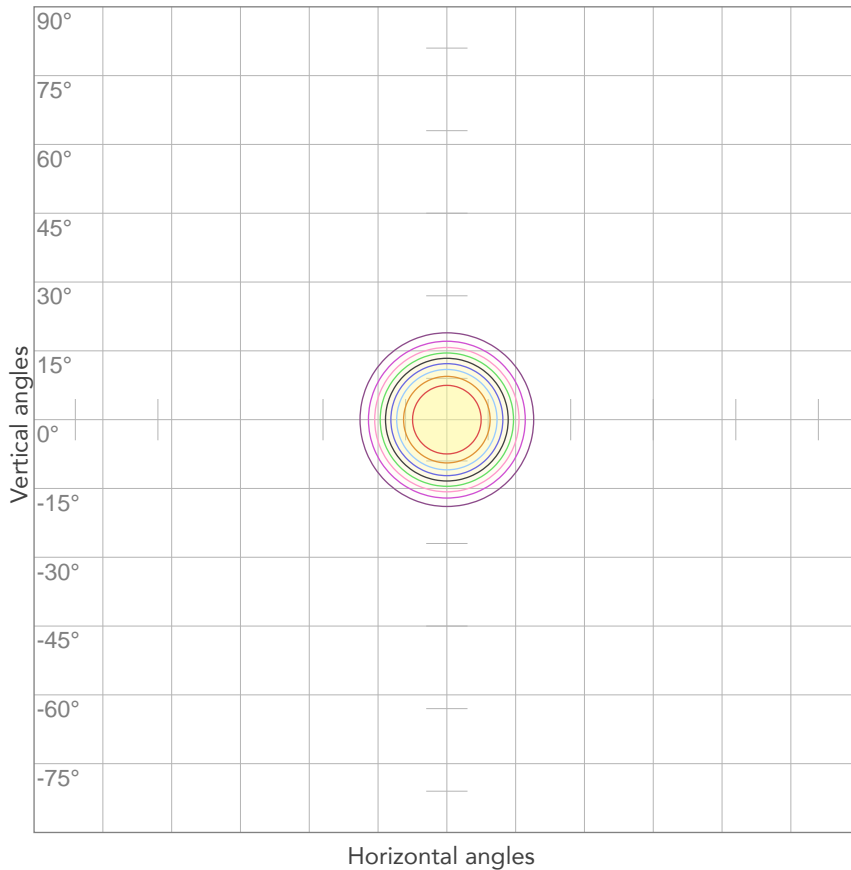
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,483A	90,9W	14lm/W

## ISO CANDELA DIAGRAM



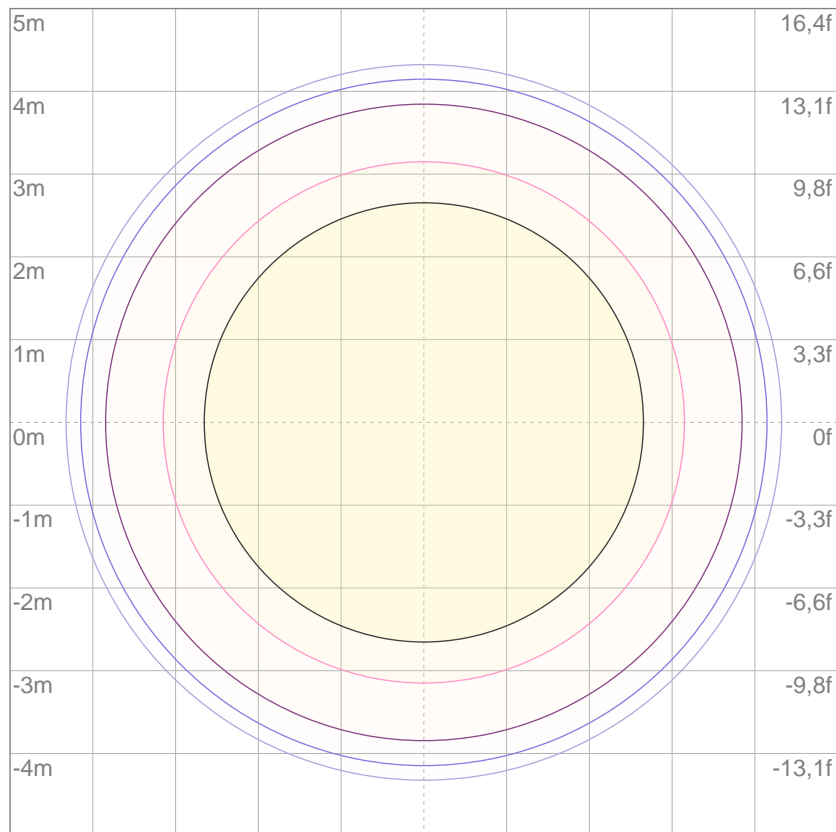
10%	556 cd
20%	1111 cd
30%	1667 cd
40%	2223 cd
50%	2778 cd
60%	3334 cd
70%	3890 cd
80%	4445 cd

### Conditions:

Number of c-planes: 2

Candela at center: 5557 cd

## ISO LUX DIAGRAM



3%	1,67 lx
5%	2,78 lx
10%	5,56 lx
30%	16,7 lx
50%	27,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 55,6 lx

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



Total lumen output:

1285 lm

Peak candela output:

18446 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

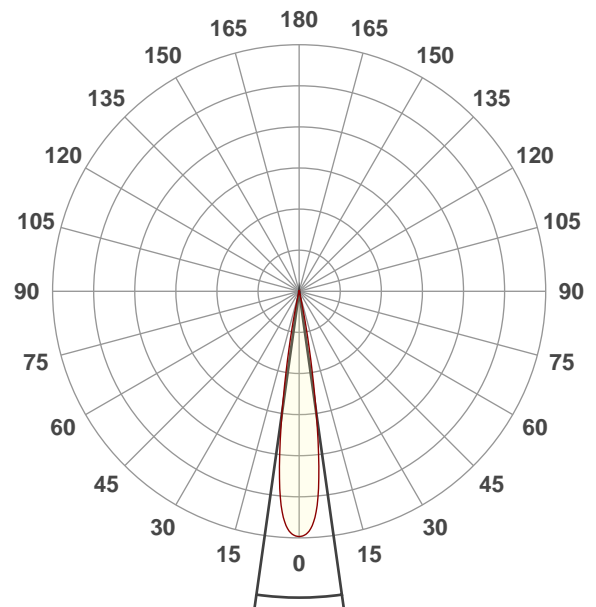
White

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:21:44

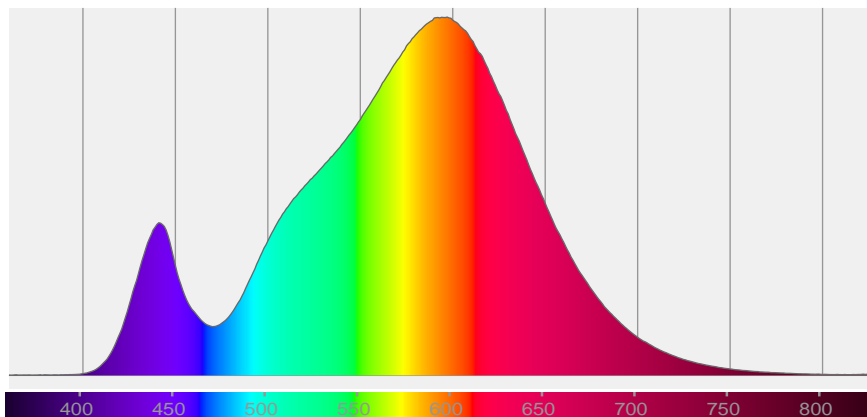


Beam angle 50%: 16°

Field angle 10%: 23,2°

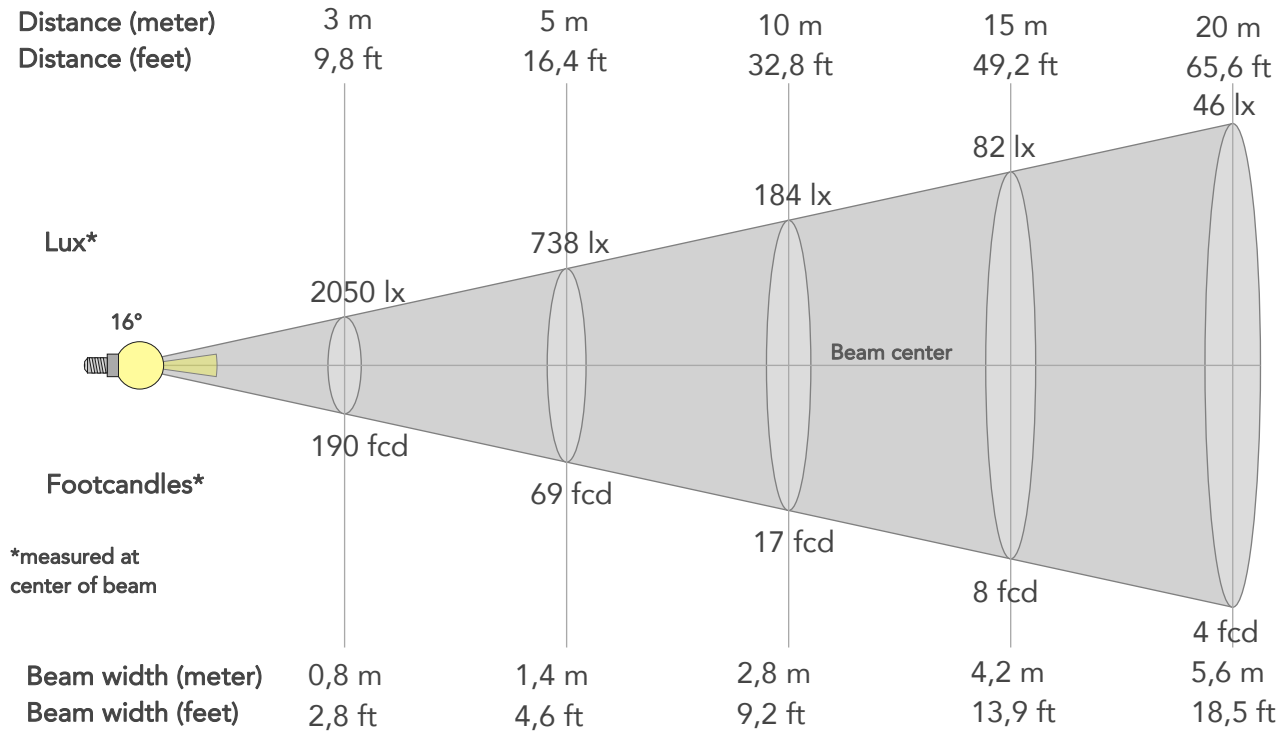
Cut off angle 2.5%: 26,6°

## Spectra



## BEAM DETAILS

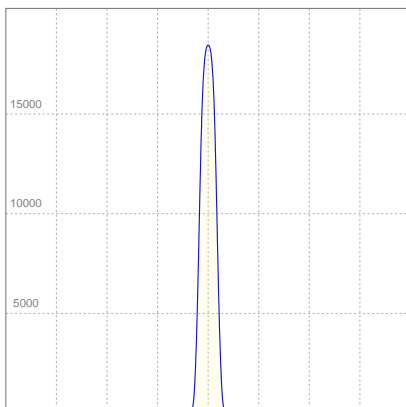
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	23,2°	26,6°	99,4%	99,3%



### 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	18446lx	4612lx	2050lx	1153lx	738lx	328lx	184lx	82lx	46lx	30lx	20lx	12lx	7lx
Footcand.	1714fcd	428fcd	190fcd	107fcd	69fcd	30fcd	17fcd	8fcd	4fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,5m	11,3m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,9ft	18,5ft	23,1ft	27,7ft	37ft	46,2ft

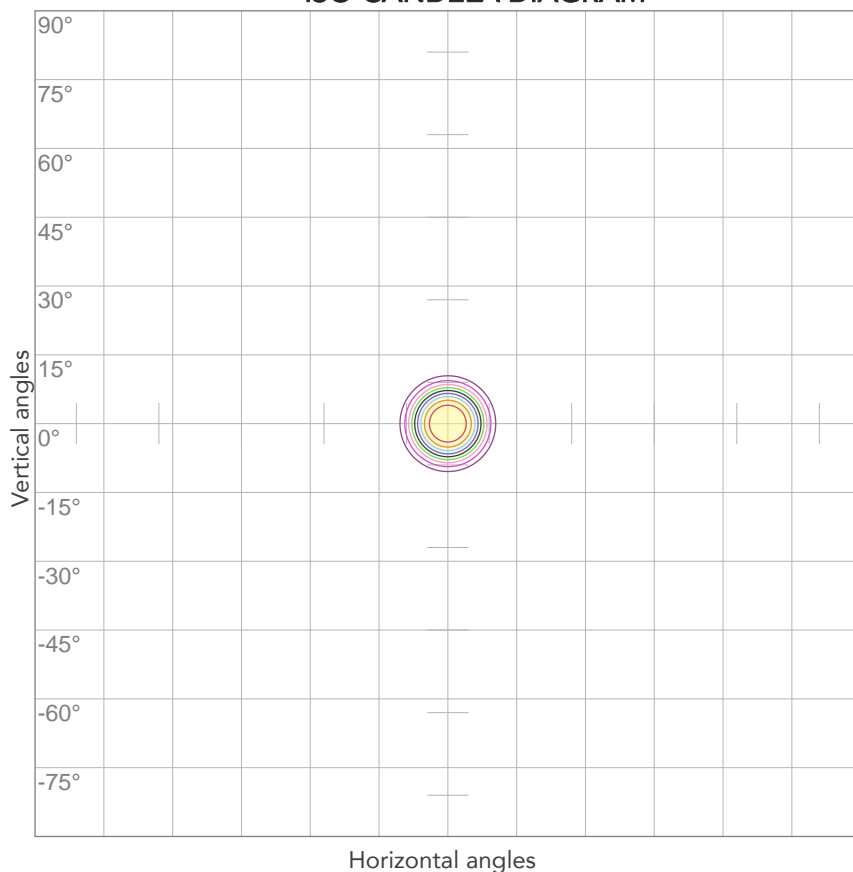
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
223V	0,483A	90,7W	14lm/W

## ISO CANDELA DIAGRAM



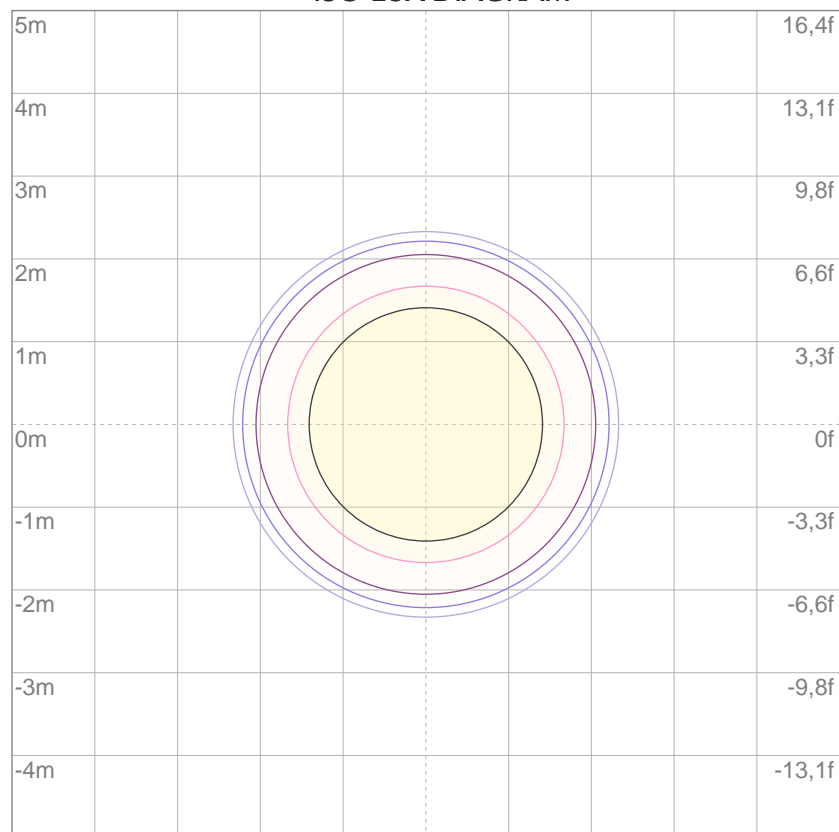
10%	1845 cd
20%	3689 cd
30%	5534 cd
40%	7379 cd
50%	9223 cd
60%	11068 cd
70%	12912 cd
80%	14757 cd

### Conditions:

Number of c-planes: 2

Candela at center: 18446 cd

## ISO LUX DIAGRAM



3%	5,53 lx
5%	9,22 lx
10%	18,4 lx
30%	55,3 lx
50%	92,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 184 lx

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



Total lumen output:

1166 lm

Peak candela output:

78044 cd

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

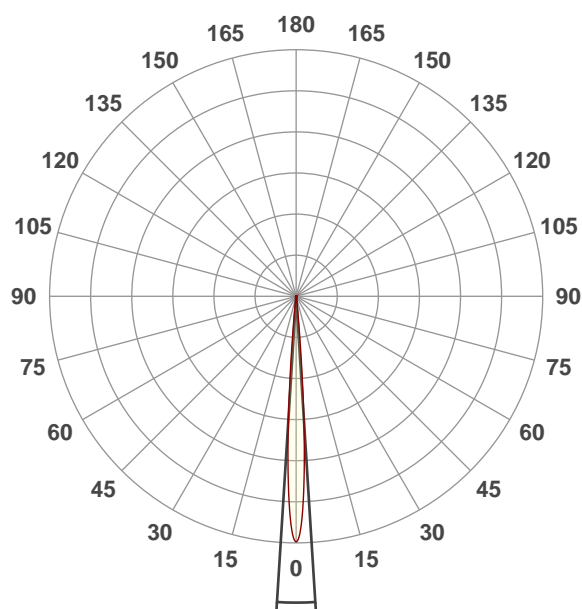
White

Operator:

Paolo Carvone

Date and time:

02/03/2020 17:12:03

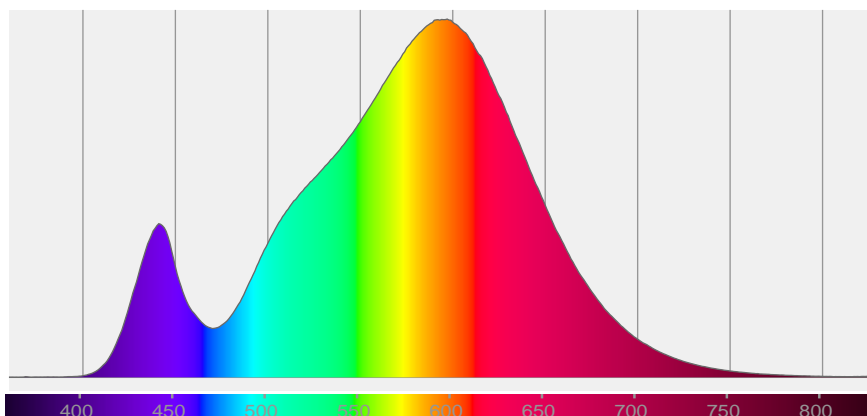


Beam angle 50%: 7,2°

Field angle 10%: 11,3°

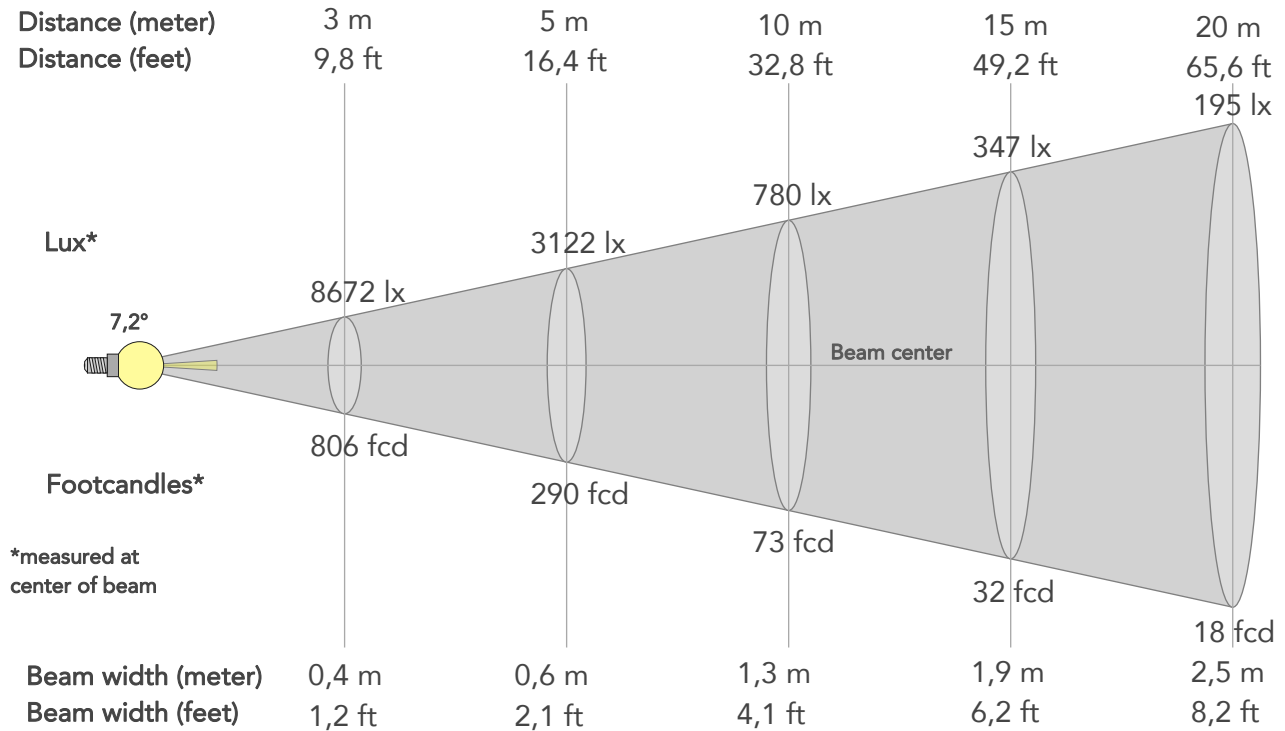
Cut off angle 2.5%: 13,6°

## Spectra



## BEAM DETAILS

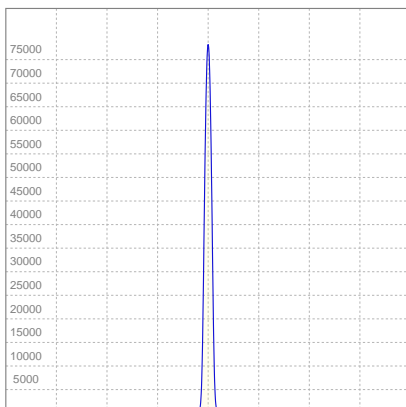
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,3°	13,6°	99,6%	99,6%



### 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	78044lx	19511lx	8672lx	4878lx	3122lx	1387lx	780lx	347lx	195lx	125lx	87lx	49lx	31lx
Footcand.	7251fcd	1813fcd	806fcd	453fcd	290fcd	129fcd	73fcd	32fcd	18fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,1m	3,8m	5m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,6ft	2,1ft	3,1ft	4,1ft	6,2ft	8,2ft	10,3ft	12,3ft	16,5ft	20,6ft

### LINEAR DISTRIBUTION DIAGRAM

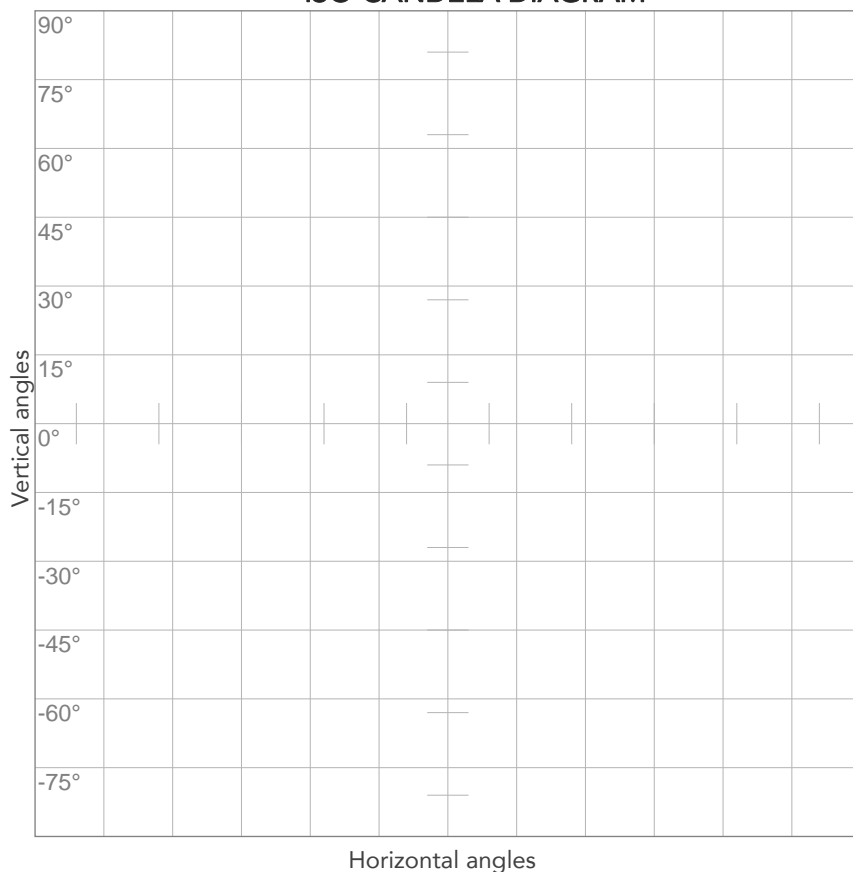


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,482A	90,7W	13lm/W



## ISO CANDELA DIAGRAM



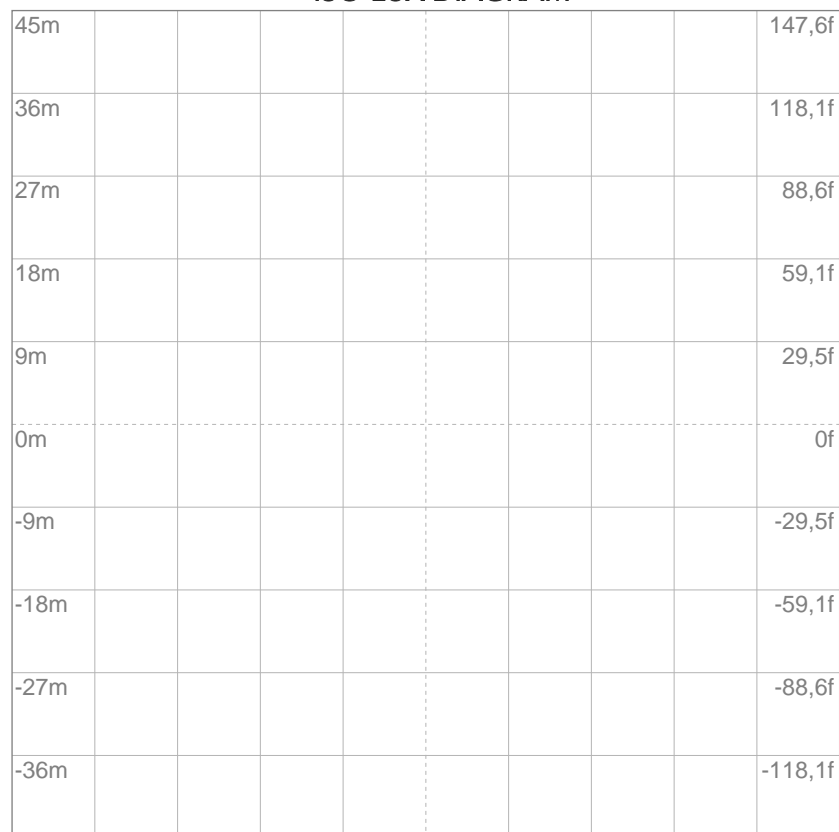
10%	7804 cd
20%	15609 cd
30%	23413 cd
40%	31218 cd
50%	39022 cd
60%	46827 cd
70%	54631 cd
80%	62436 cd

### Conditions:

Number of c-planes: 2

Candela at center: 78044 cd

## ISO LUX DIAGRAM



Mounting height: 10 meters (33 feet)

3%	23,4 lx
5%	39,0 lx
10%	78,0 lx
30%	234 lx
50%	390 lx

### Conditions:

Number of c-planes: 2

Lux at center: 780 lx

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



Total lumen output:

1627 lm

Peak candela output:

7045 cd

Light quality:

CRI: 91,2

Color temperature:

2727 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

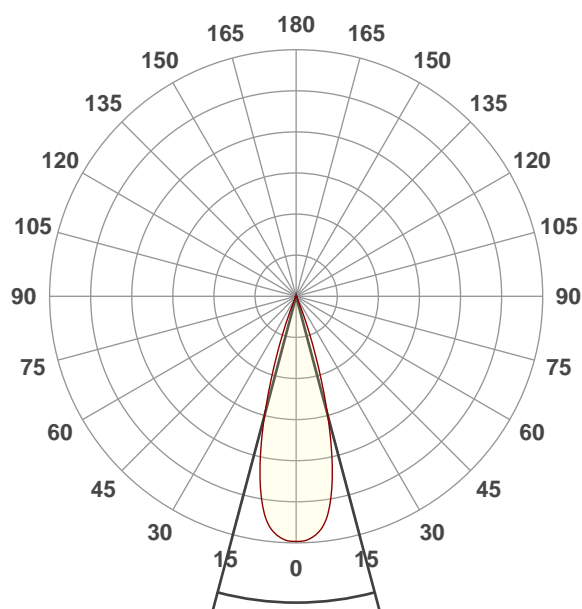
2800K

Operator:

Paolo Carvone

Date and time:

03/03/2020 11:50:00

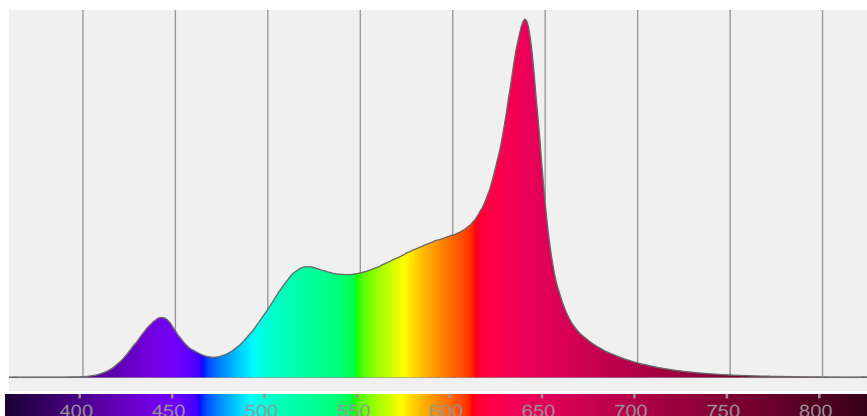


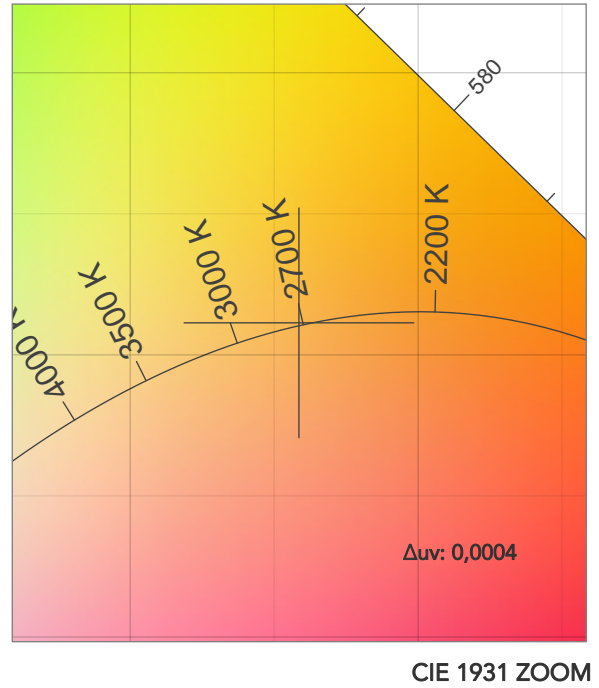
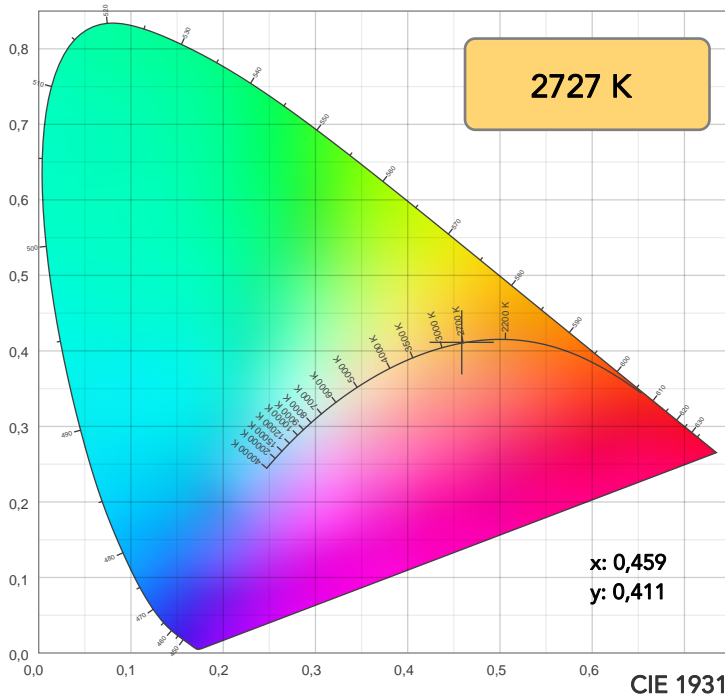
Beam angle 50%: 29,7°

Field angle 10%: 42°

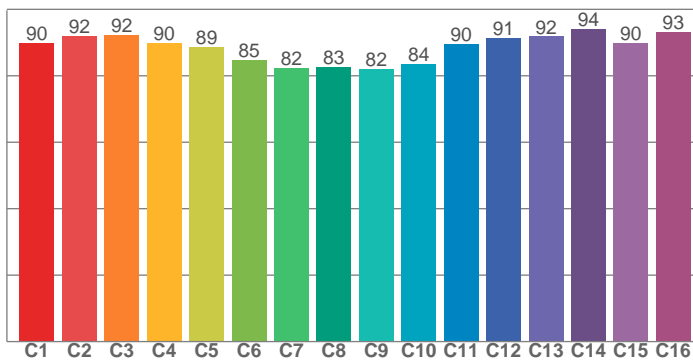
Cut off angle 2.5%: 47,4°

## Spectra

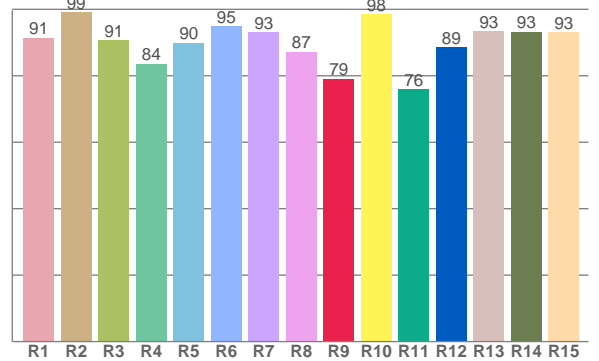




TM30: 88,9



CRI: 91,2 (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
91,5	99,1	90,6	83,7	89,9	94,8	93,1	87,2	79,1	98,4	76,0	88,7	93,5	93,2	93,2

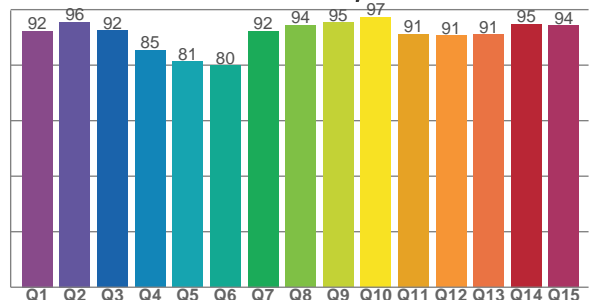
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,9	92,0	92,3	90,0	88,7	84,7	82,4	82,8	82,1	83,6	89,6	91,4	91,9	94,2	89,9	93,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,3	95,6	92,4	85,4	81,2	79,8	92,2	94,3	95,3	97,3	91,3	90,7	91,0	94,9	94,3

CQS: 89,5



## COLOR PARAMETERS

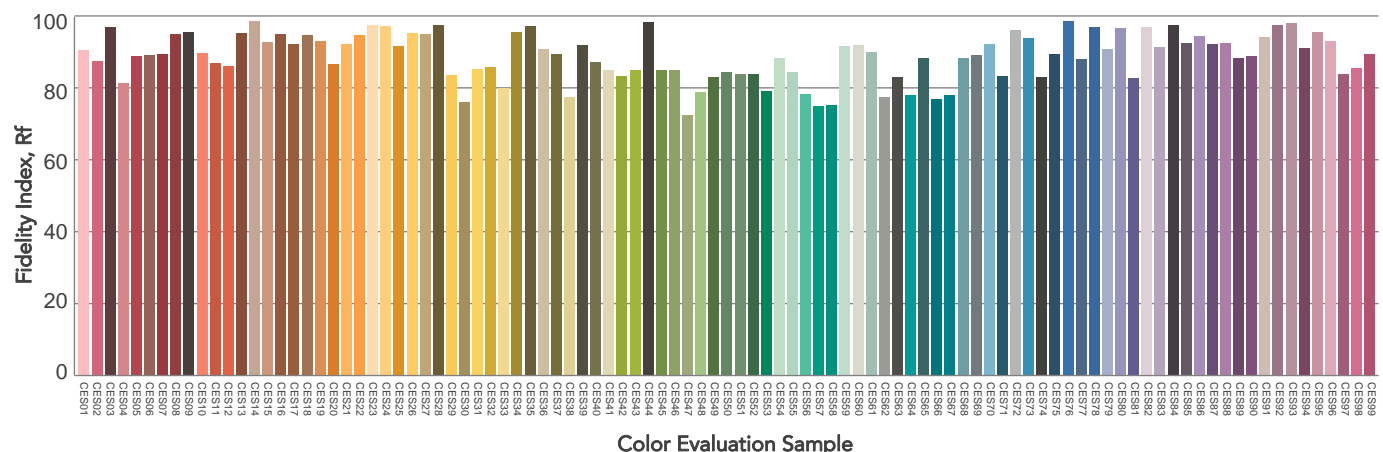
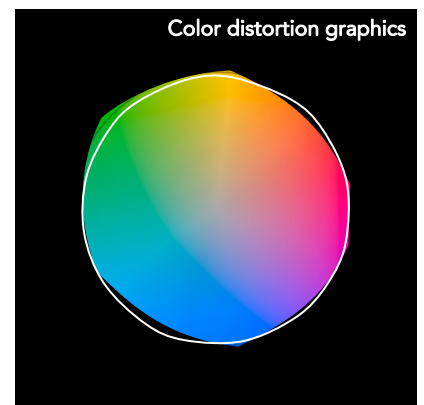
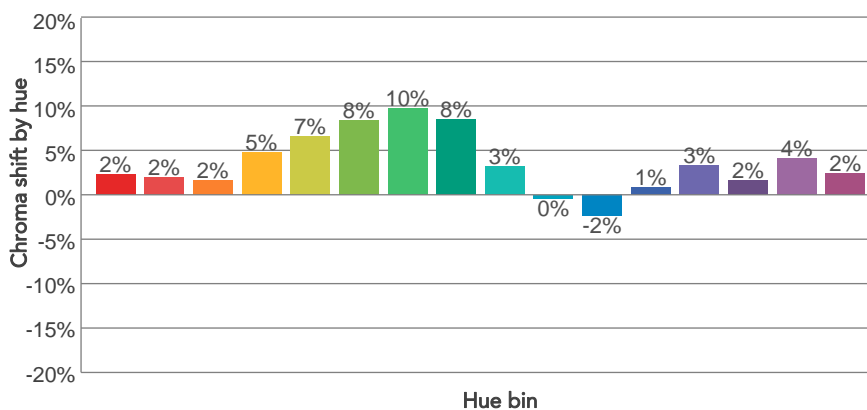
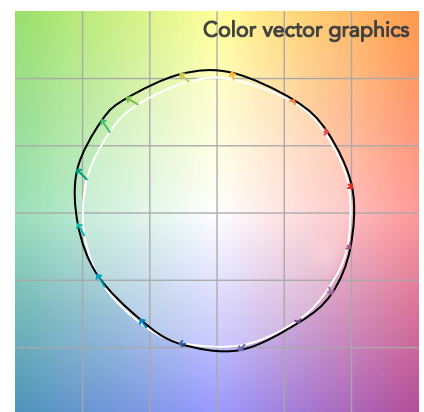
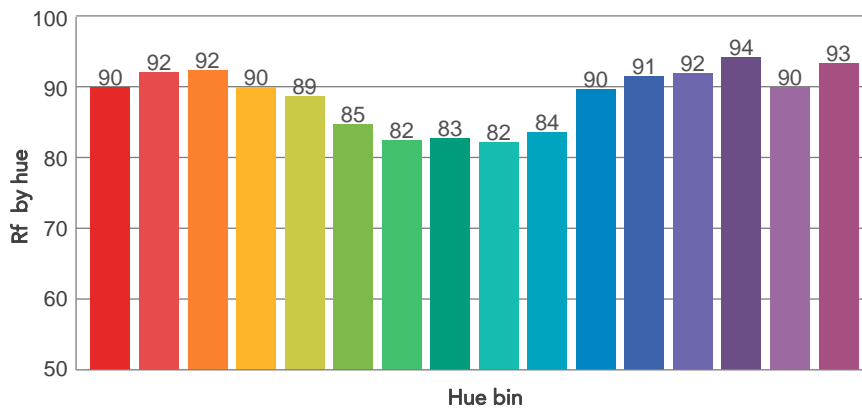
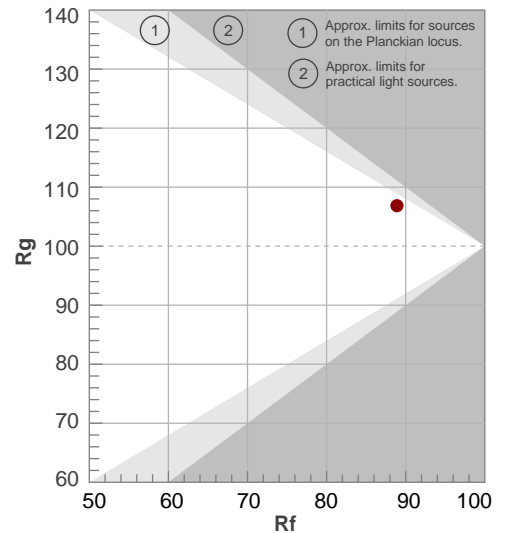
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2727 K	91,2	79,1	88,9	106,9	89,5	80	0,459	0,411	0,0004

# TM30 DETAILS

**Rf 88,9**  
Fidelity index Rf

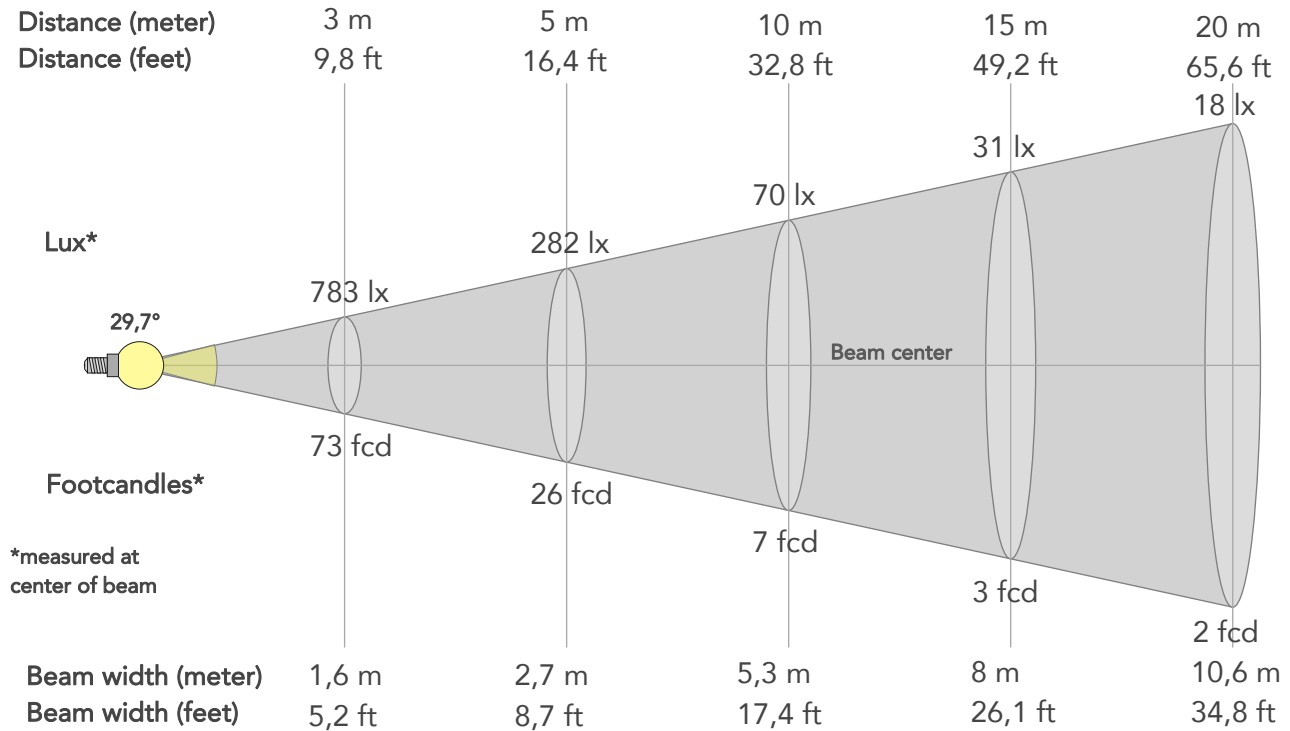
**Rg 106,9**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	2%	-3%
2	92	2%	-2%
3	92	2%	0%
4	90	5%	2%
5	89	7%	5%
6	85	8%	4%
7	82	10%	-4%
8	83	8%	-6%
9	82	3%	-9%
10	84	0%	-10%
11	90	-2%	-7%
12	91	1%	-4%
13	92	3%	-5%
14	94	2%	0%
15	90	4%	-3%
16	93	2%	-1%



## BEAM DETAILS

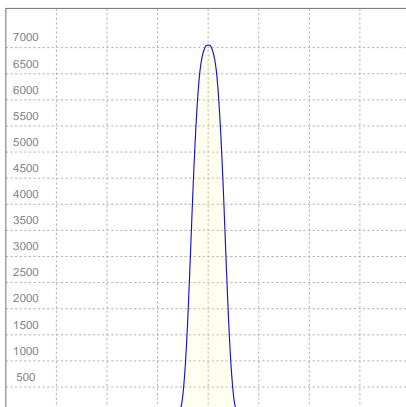
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,7°	42°	47,4°	99,4%	99,2%



### 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	7045lx	1761lx	783lx	440lx	282lx	125lx	70lx	31lx	18lx	11lx	8lx	4lx	3lx
Footcand.	655fcd	164fcd	73fcd	41fcd	26fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,6m	13,3m	15,9m	21,2m	26,5m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,7ft	13,1ft	17,4ft	26,1ft	34,8ft	43,5ft	52,2ft	69,6ft	87ft

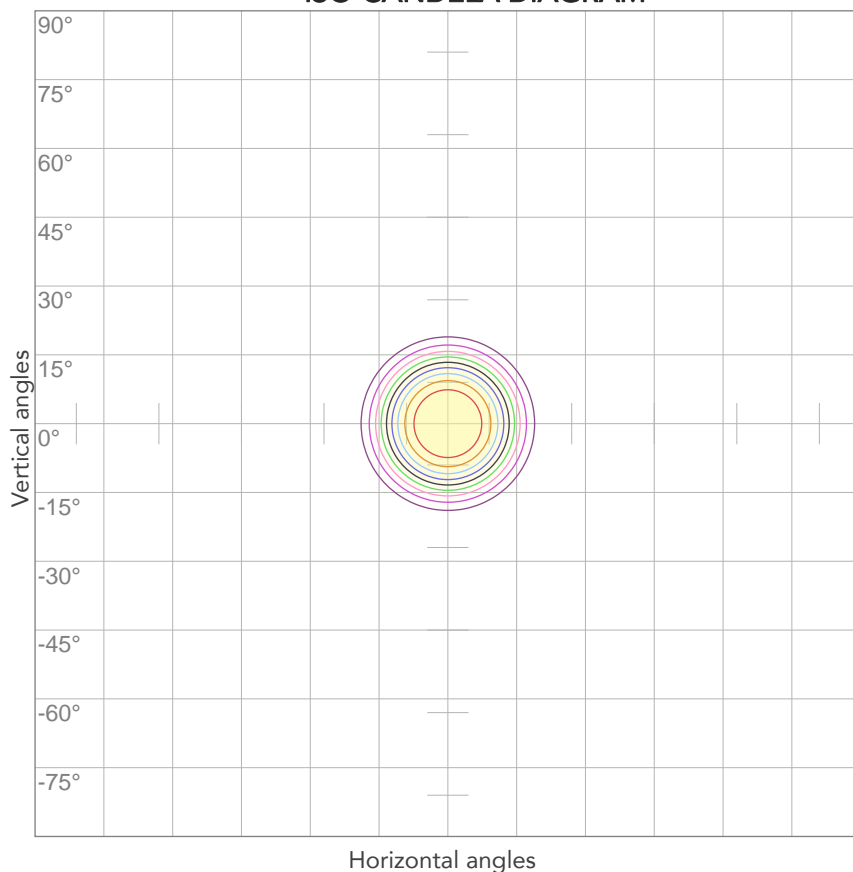
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
225V	0,612A	120,8W	13lm/W

## ISO CANDELA DIAGRAM



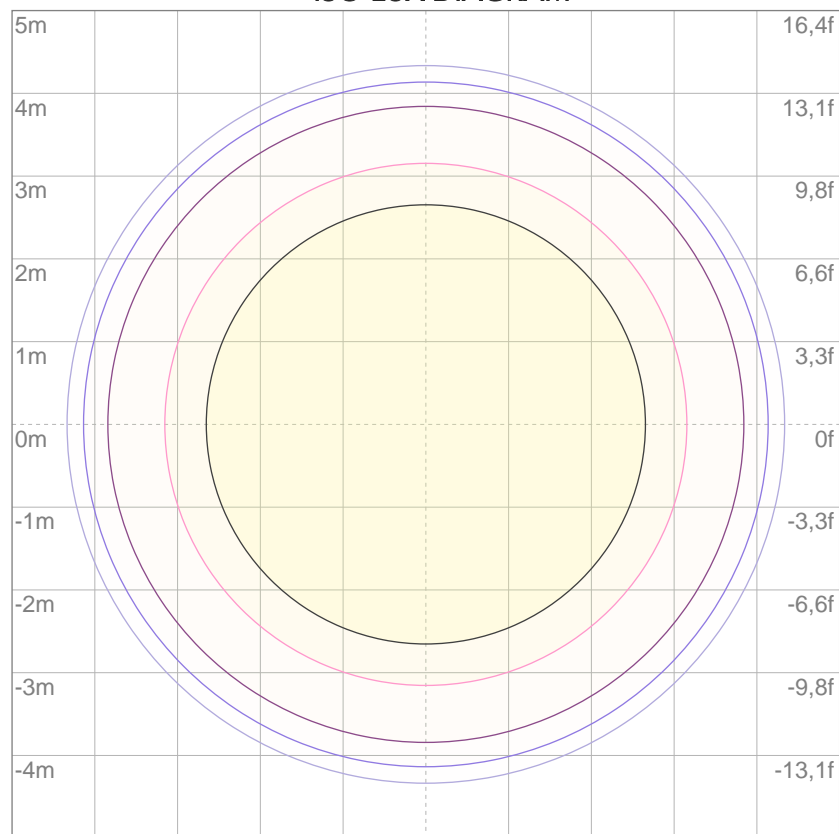
10%	705 cd
20%	1409 cd
30%	2114 cd
40%	2818 cd
50%	3523 cd
60%	4227 cd
70%	4932 cd
80%	5636 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7045 cd

## ISO LUX DIAGRAM



3%	2,11 lx
5%	3,52 lx
10%	7,05 lx
30%	21,1 lx
50%	35,2 lx

### Conditions:

Number of c-planes: 2

Lux at center: 70,5 lx

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



Total lumen output:

1604 lm

Peak candela output:

23198 cd

Light quality:

CRI: 91,4

Color temperature:

2730 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

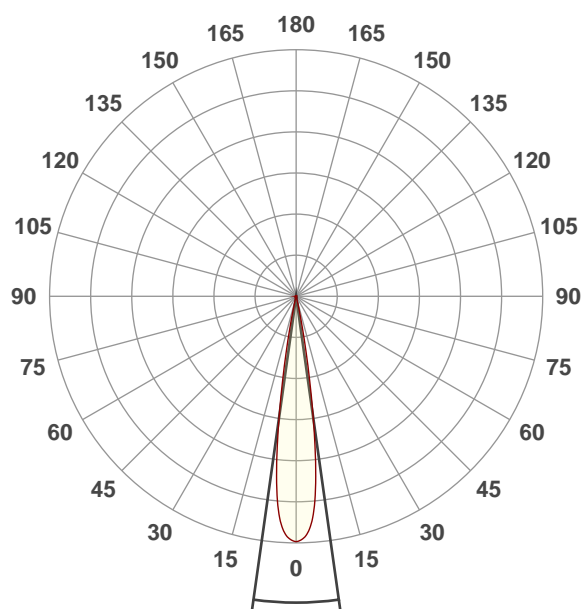
2800K

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:29:09

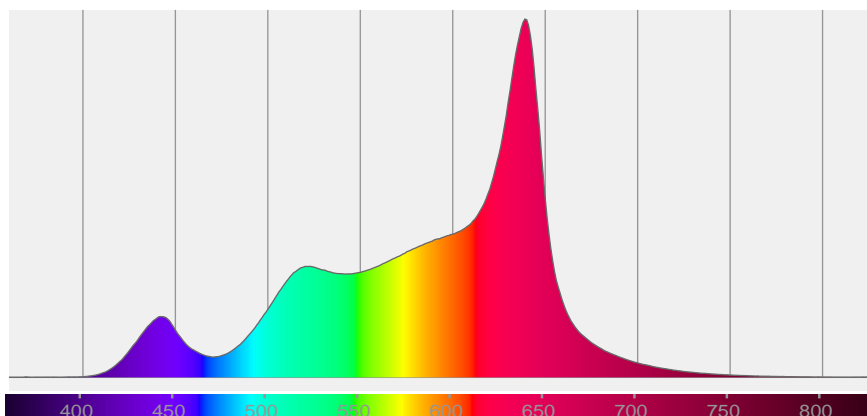


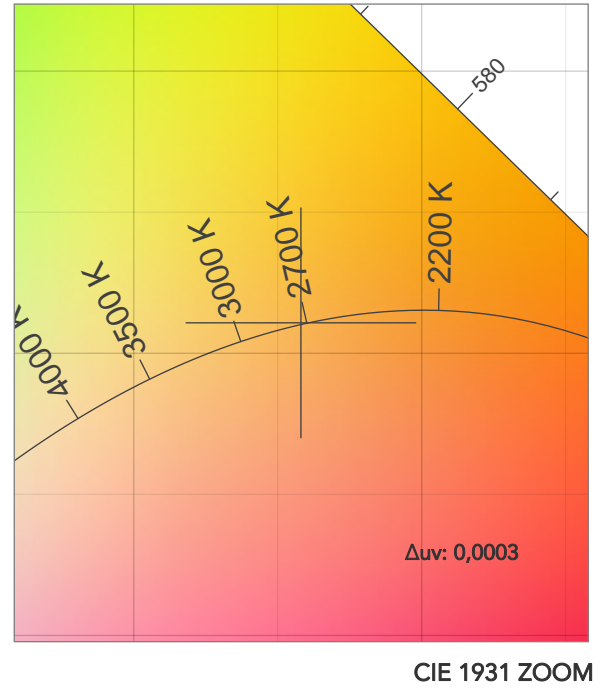
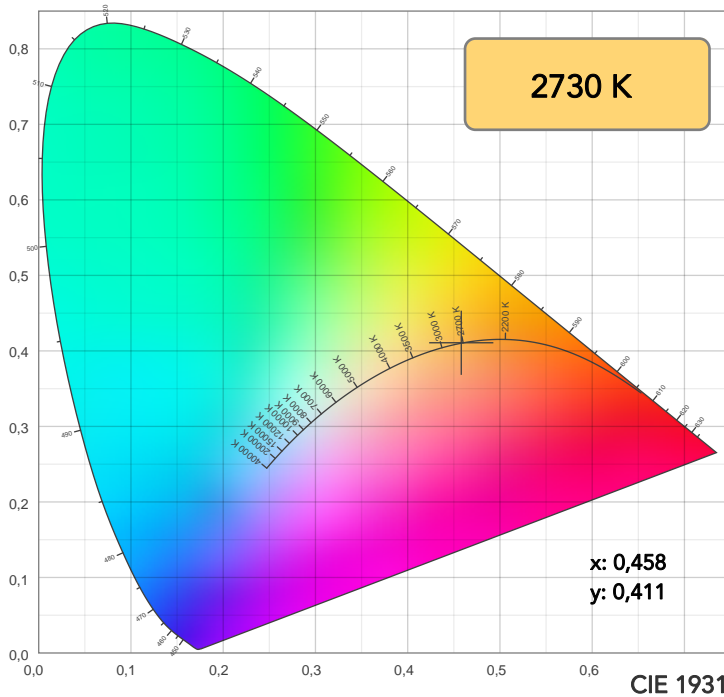
Beam angle 50%: 16°

Field angle 10%: 23,3°

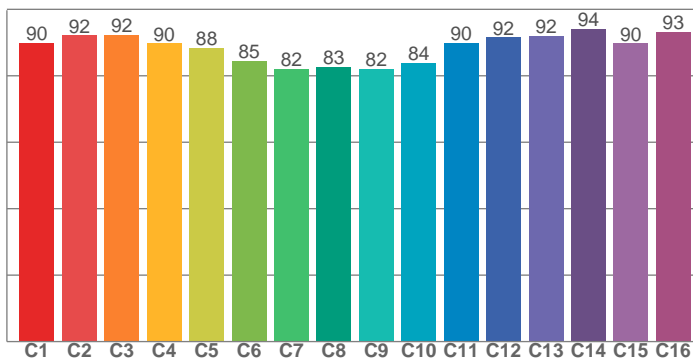
Cut off angle 2.5%: 26,8°

## Spectra

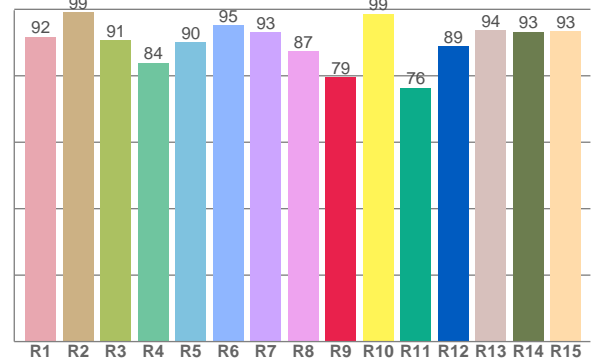




TM30: 88,9



CRI: 91,4 (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
91,7	99,2	90,6	83,9	90,2	95,1	93,1	87,4	79,5	98,6	76,4	89,0	93,7	93,2	93,3

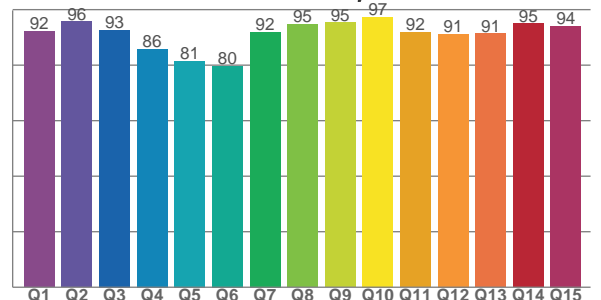
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,9	92,2	92,4	89,8	88,4	84,6	82,1	82,7	82,1	83,8	89,9	91,5	92,0	94,1	89,7	93,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,2	95,7	92,7	85,7	81,5	79,7	91,9	94,7	95,3	97,4	91,9	91,1	91,4	95,0	94,2

CQS: 89,7



## 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
2730 K	91,4	79,5	88,9	107,0	89,7	81	0,458	0,411	0,0003

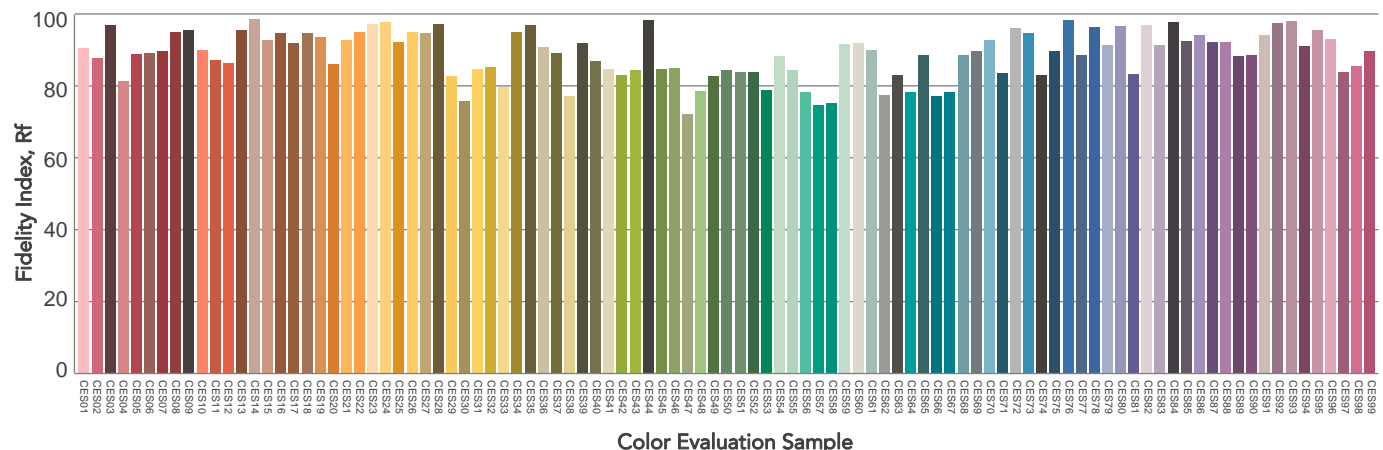
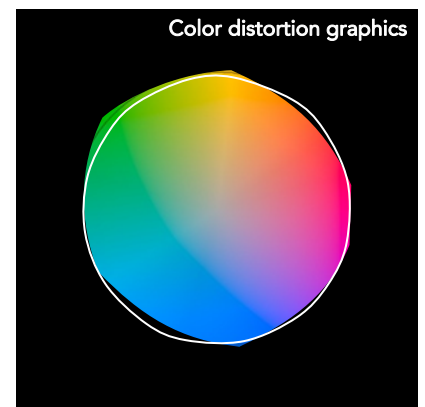
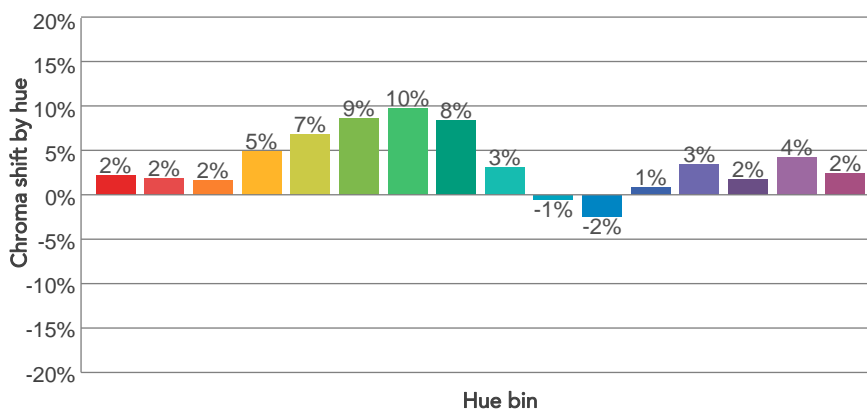
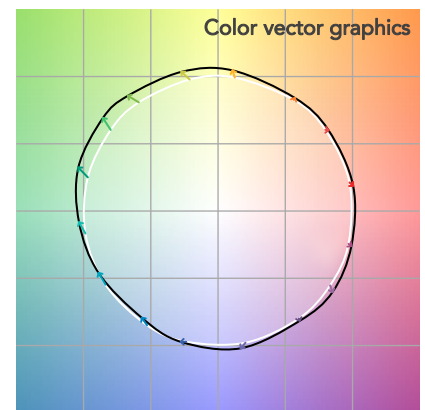
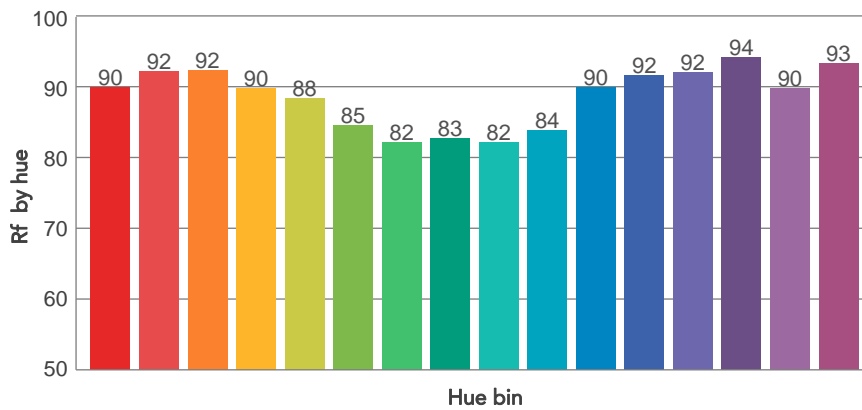
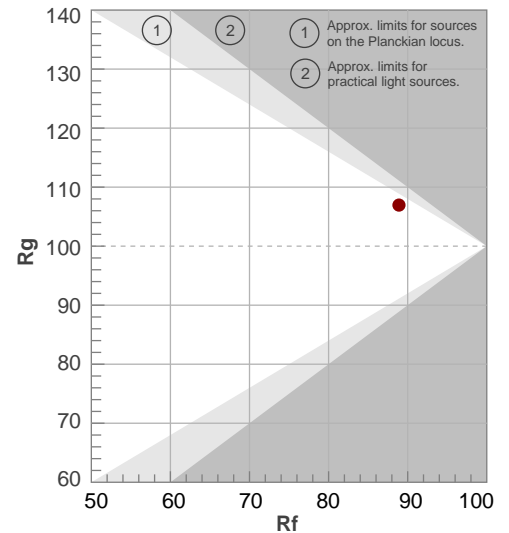


# TM30 DETAILS

**Rf 88,9**  
Fidelity index Rf

**Rg 107,0**  
Gammut index

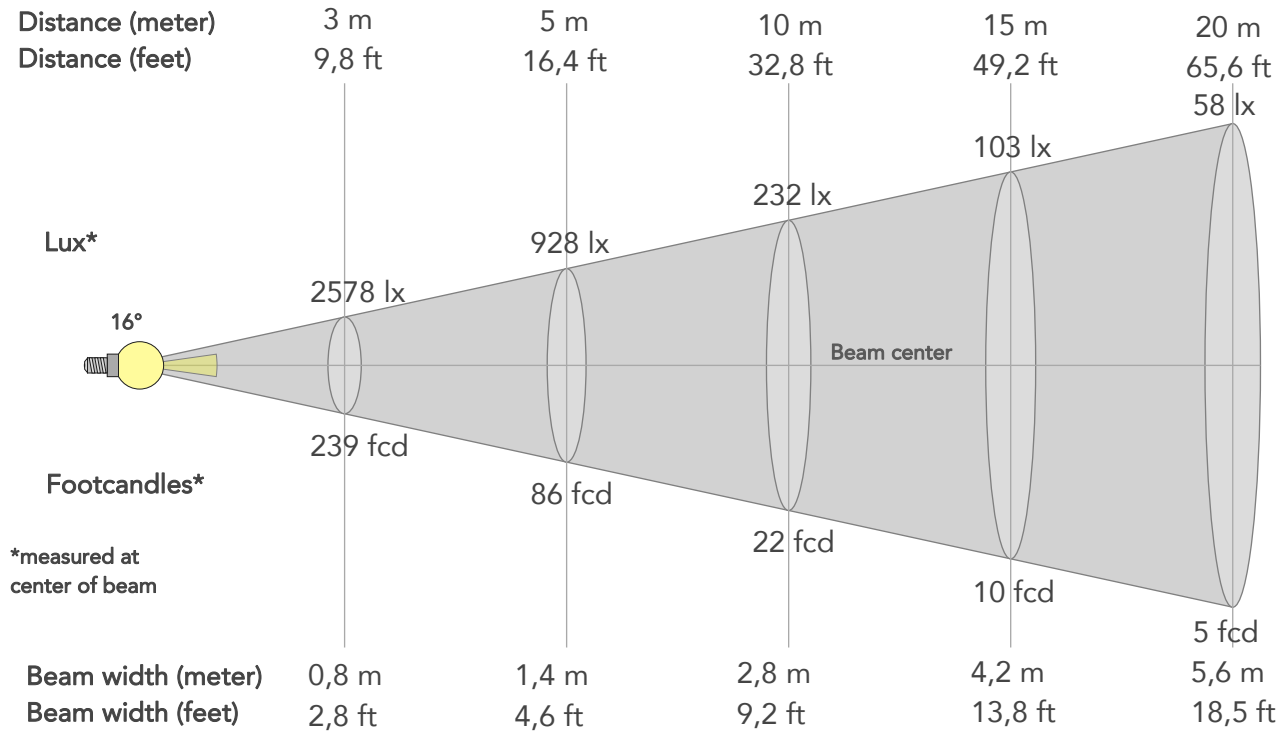
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	2%	-3%
2	92	2%	-2%
3	92	2%	0%
4	90	5%	3%
5	88	7%	5%
6	85	9%	4%
7	82	10%	-4%
8	83	8%	-6%
9	82	3%	-9%
10	84	-1%	-10%
11	90	-2%	-6%
12	92	1%	-4%
13	92	3%	-4%
14	94	2%	0%
15	90	4%	-3%
16	93	2%	-1%



## BEAM DETAILS



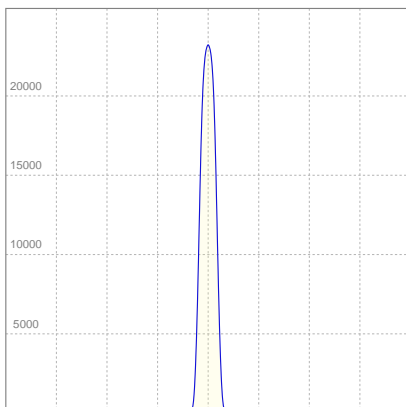
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	23,3°	26,8°	99,7%	99,7%



### 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	23198lx	5799lx	2578lx	1450lx	928lx	412lx	232lx	103lx	58lx	37lx	26lx	14lx	9lx
Footcand.	2155fcd	539fcd	239fcd	135fcd	86fcd	38fcd	22fcd	10fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,3m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,8ft	18,5ft	23,1ft	27,7ft	36,9ft	46,1ft

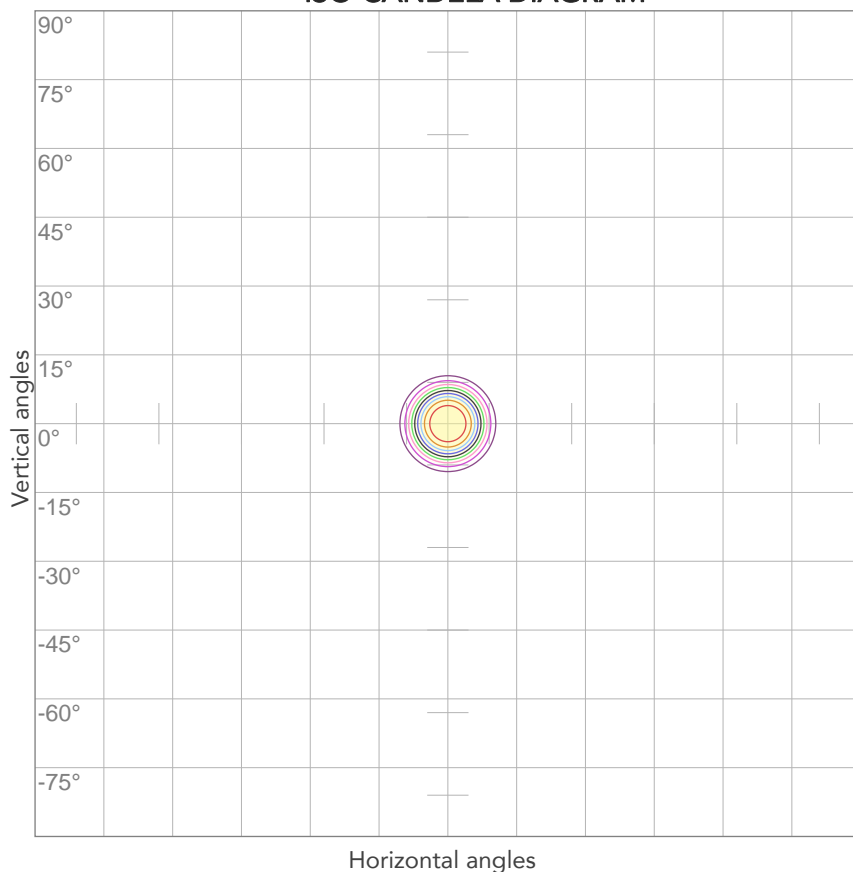
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,612A	119,7W	13lm/W

## ISO CANDELA DIAGRAM



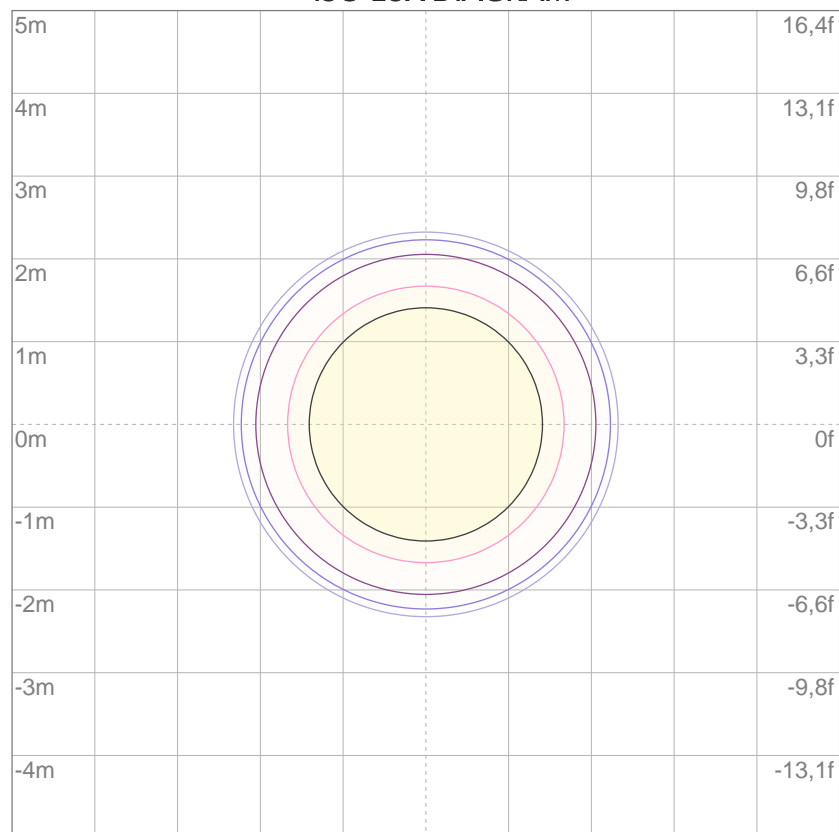
10%	2320 cd
20%	4640 cd
30%	6959 cd
40%	9279 cd
50%	11599 cd
60%	13919 cd
70%	16238 cd
80%	18558 cd

### Conditions:

Number of c-planes: 2

Candela at center: 23198 cd

## ISO LUX DIAGRAM



3%	6,96 lx
5%	11,6 lx
10%	23,2 lx
30%	69,6 lx
50%	116 lx

### Conditions:

Number of c-planes: 2

Lux at center: 232 lx

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



Total lumen output:

1471 lm

Peak candela output:

97154 cd

Light quality:

CRI: 91,4

Color temperature:

2730 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

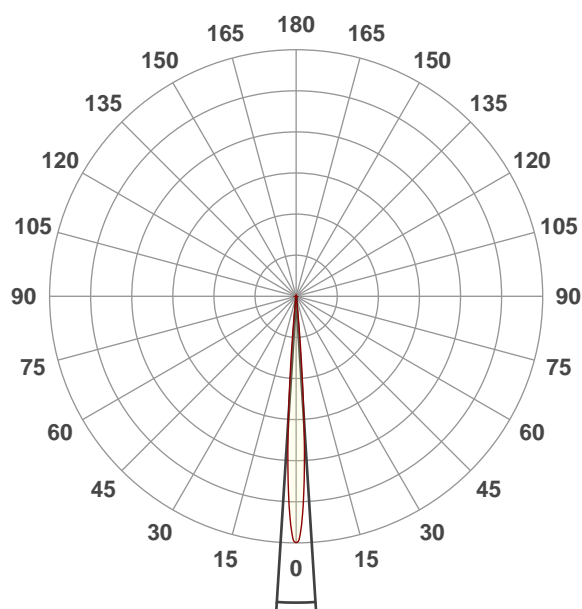
2800K

Operator:

Paolo Carvone

Date and time:

03/03/2020 12:07:35

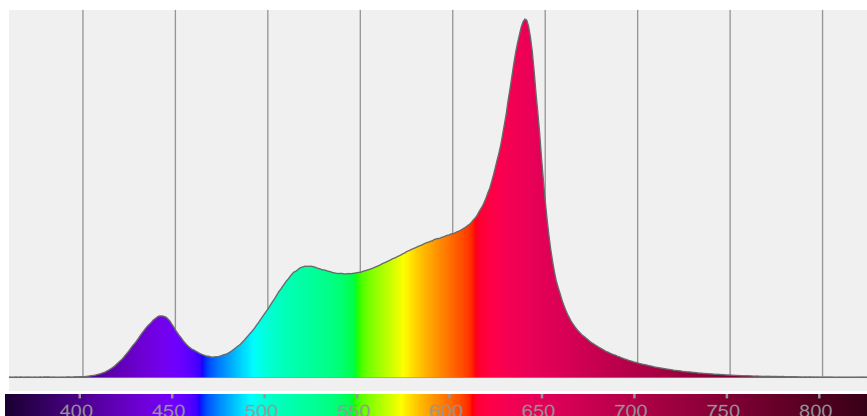


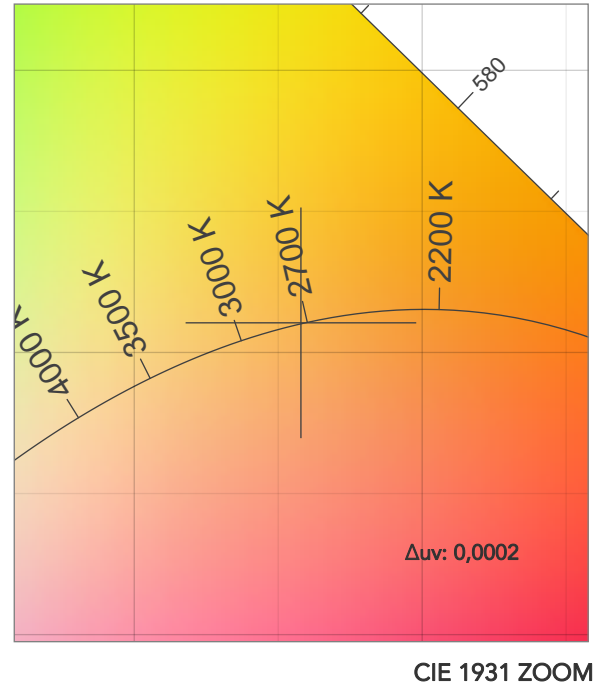
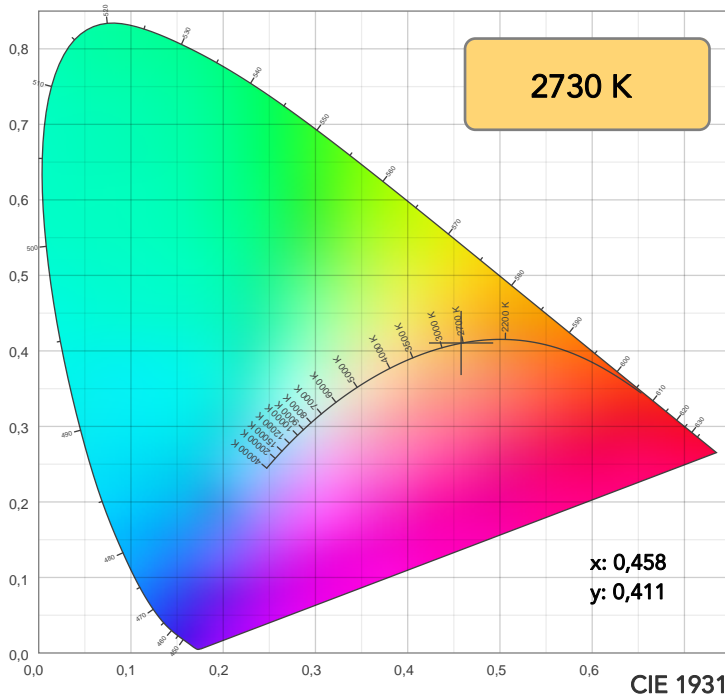
Beam angle 50%: 7,2°

Field angle 10%: 11,3°

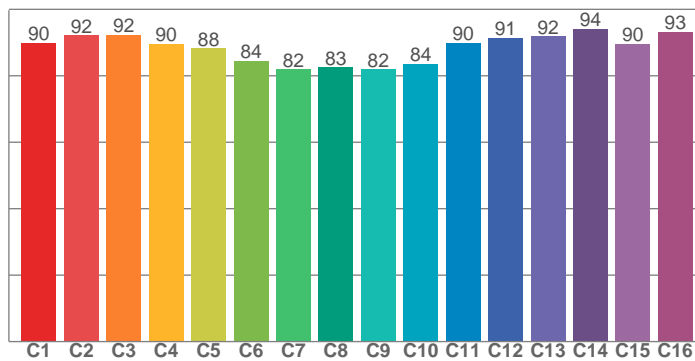
Cut off angle 2.5%: 13,6°

## Spectra

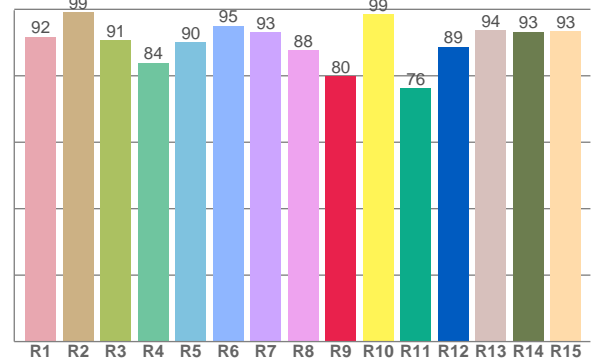




TM30: 88,8



CRI: 91,4 (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
91,7	99,1	90,7	83,9	90,2	95,0	93,1	87,6	79,9	98,6	76,3	88,8	93,7	93,3	93,4

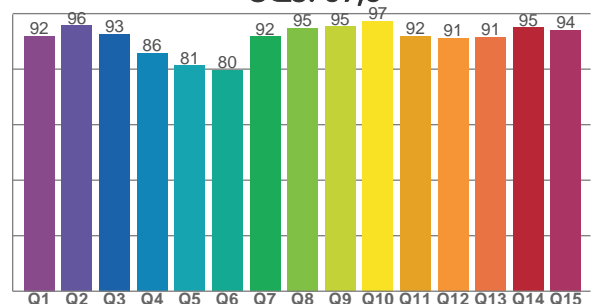
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,9	92,1	92,3	89,6	88,2	84,4	81,9	82,6	82,0	83,7	89,8	91,5	91,9	94,1	89,6	93,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,0	95,7	92,7	85,7	81,4	79,6	91,7	94,8	95,4	97,4	92,0	91,3	91,5	95,0	94,1

CQS: 89,6



## COLOR PARAMETERS

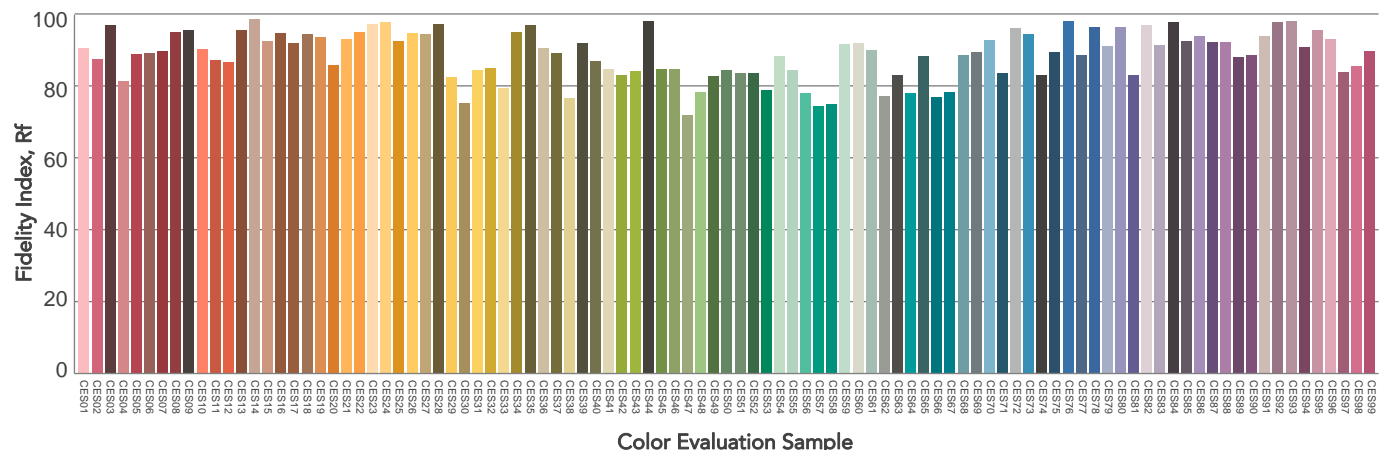
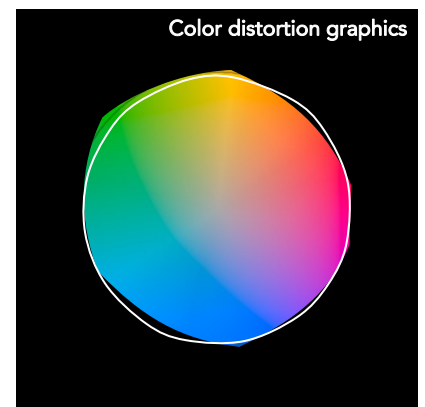
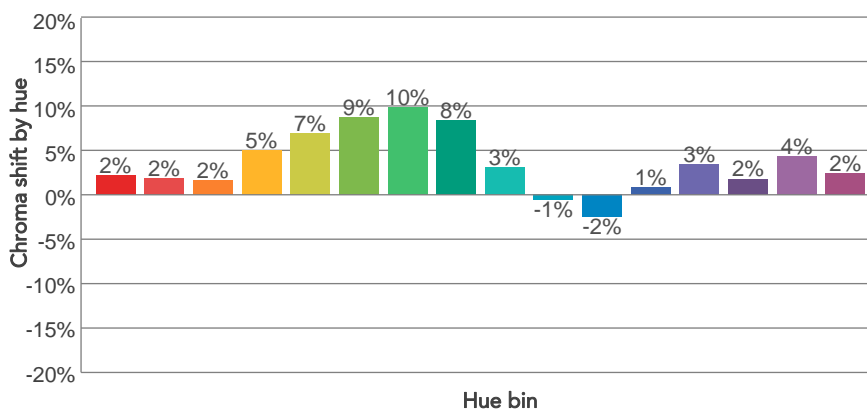
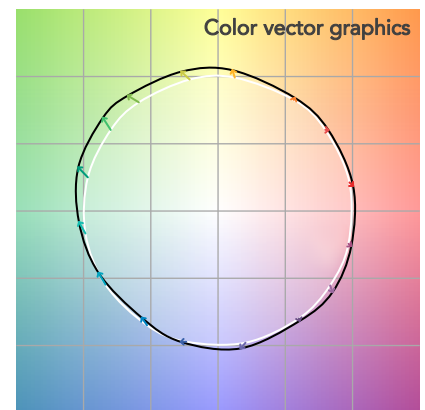
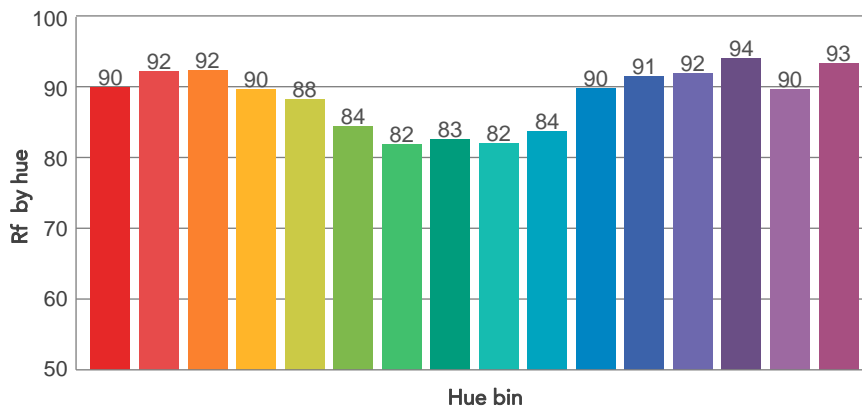
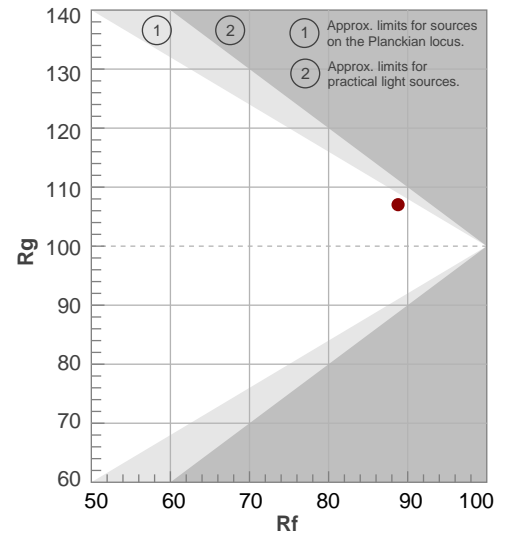
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
2730 K	91,4	79,9	88,8	107,0	89,6	80	0,458	0,411	0,0002

# TM30 DETAILS

**Rf 88,8**  
Fidelity index Rf

**Rg 107,0**  
Gammut index

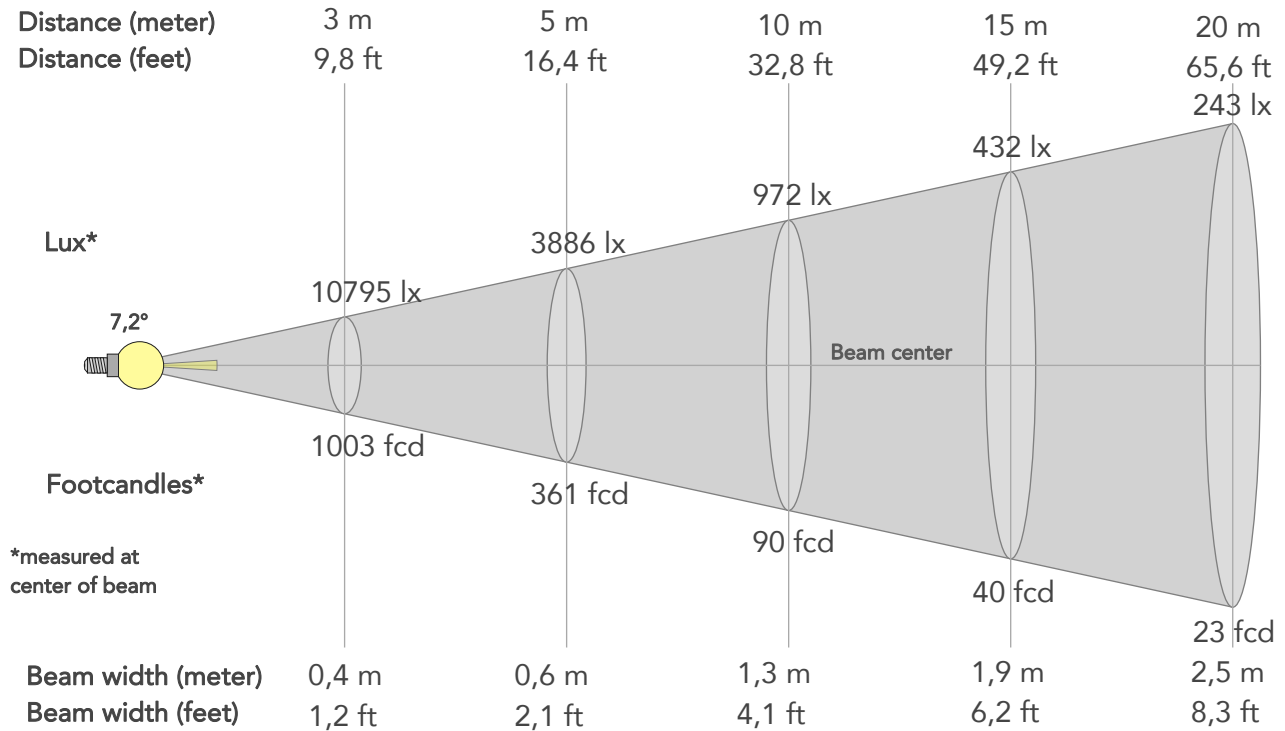
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	2%	-3%
2	92	2%	-2%
3	92	2%	0%
4	90	5%	3%
5	88	7%	5%
6	84	9%	4%
7	82	10%	-4%
8	83	8%	-6%
9	82	3%	-9%
10	84	-1%	-10%
11	90	-2%	-6%
12	91	1%	-4%
13	92	3%	-4%
14	94	2%	-1%
15	90	4%	-3%
16	93	2%	-1%



## BEAM DETAILS



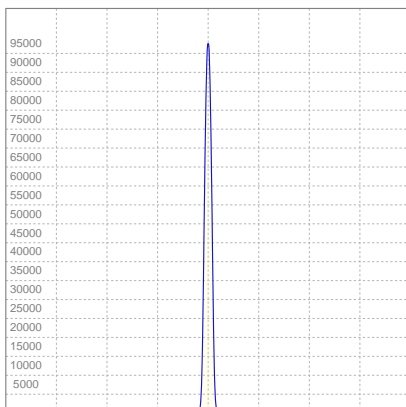
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,3°	13,6°	99,6%	99,5%



### 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	97154lx	24289lx	10795lx	6072lx	3886lx	1727lx	972lx	432lx	243lx	155lx	108lx	61lx	39lx
Footcand.	9026fcd	2256fcd	1003fcd	564fcd	361fcd	160fcd	90fcd	40fcd	23fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,2m	3,8m	5,1m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,7ft	2,1ft	3,1ft	4,1ft	6,2ft	8,3ft	10,4ft	12,4ft	16,6ft	20,7ft

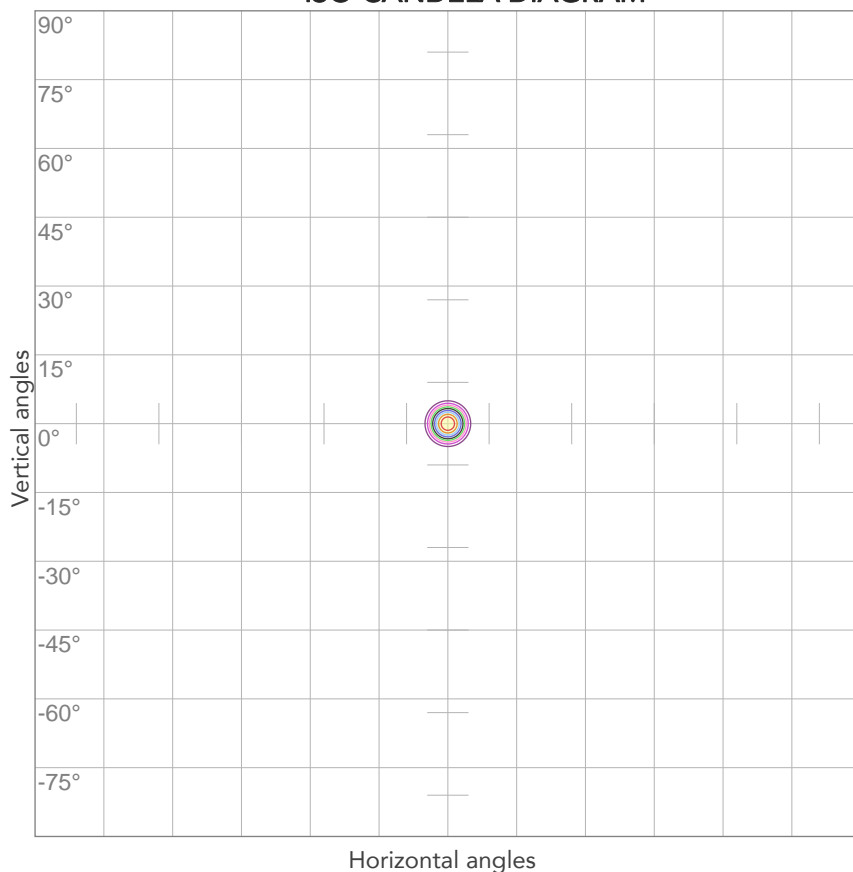
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
224V	0,610A	120,4W	12lm/W

## ISO CANDELA DIAGRAM



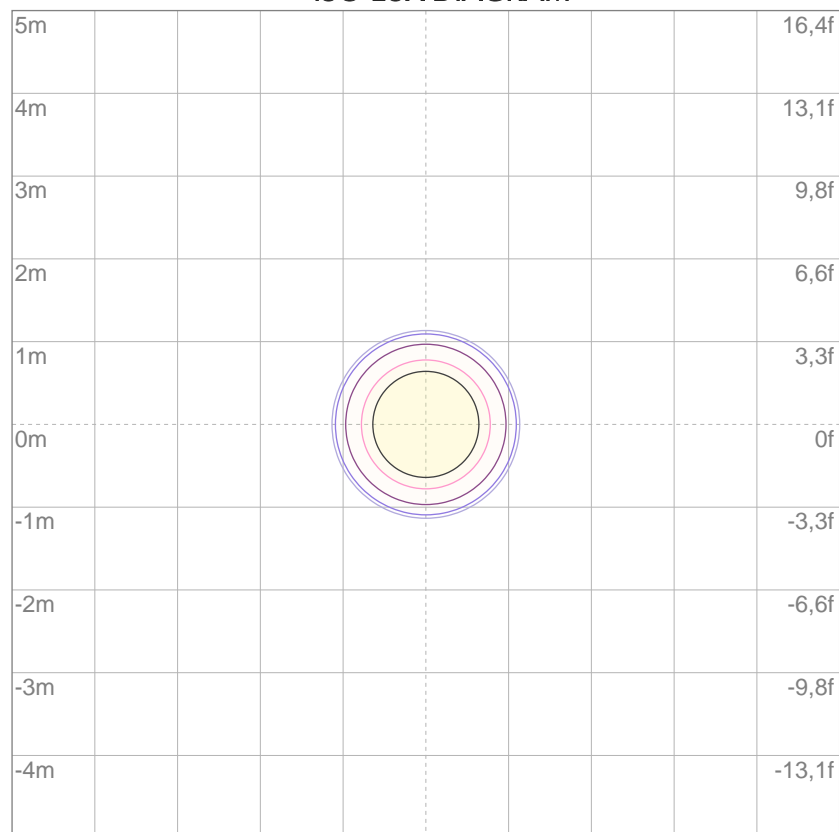
10%	9715 cd
20%	19431 cd
30%	29146 cd
40%	38862 cd
50%	48577 cd
60%	58293 cd
70%	68008 cd
80%	77723 cd

### Conditions:

Number of c-planes: 2

Candela at center: 97154 cd

## ISO LUX DIAGRAM



3%	29,1 lx
5%	48,6 lx
10%	97,2 lx
30%	291 lx
50%	486 lx

### Conditions:

Number of c-planes: 2

Lux at center: 972 lx

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





Total lumen output:

1664 lm

Peak candela output:

7203 cd

Light quality:

CRI: 91,2

Color temperature:

3109 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

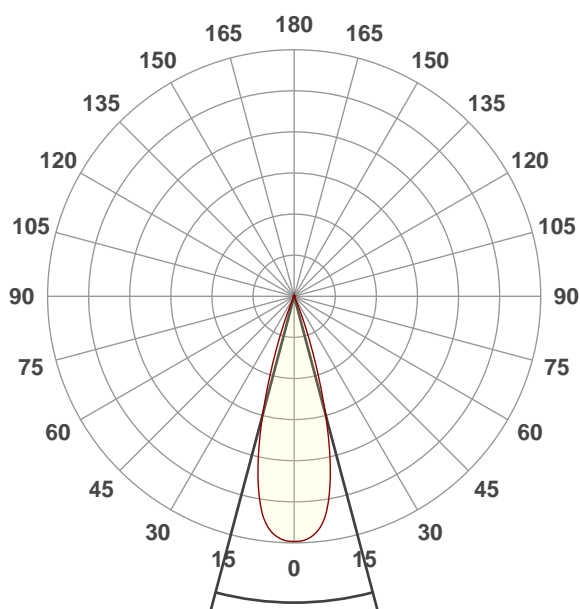
3200K

Operator:

Paolo Carvone

Date and time:

03/03/2020 11:52:03

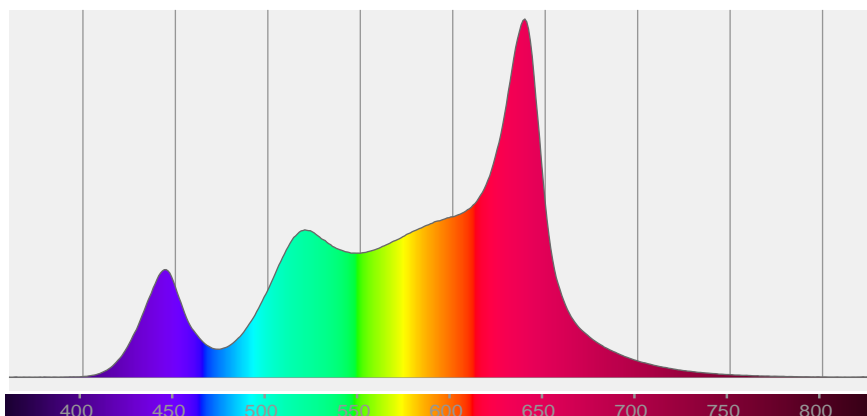


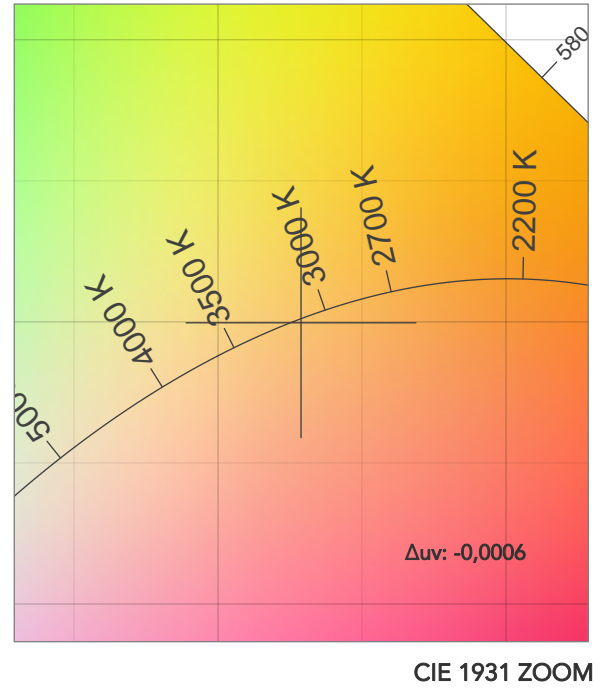
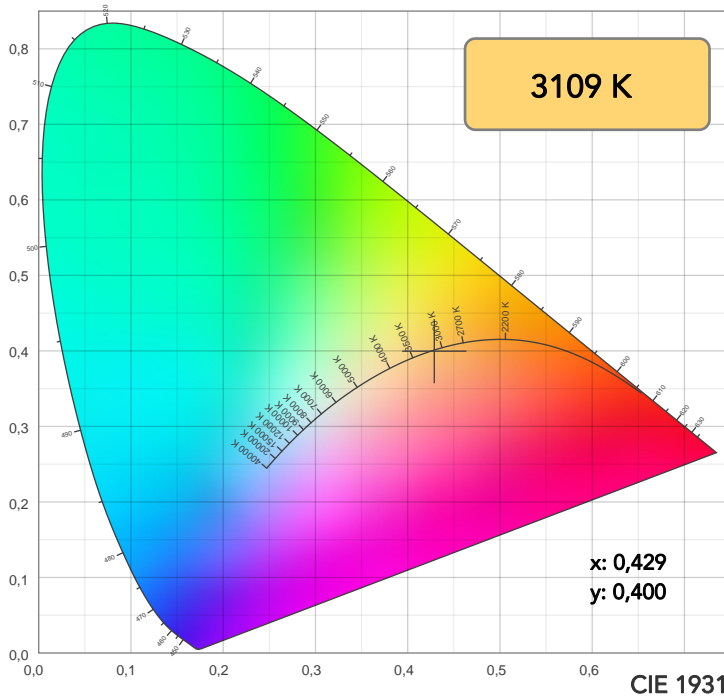
Beam angle 50%: 29,7°

Field angle 10%: 42,1°

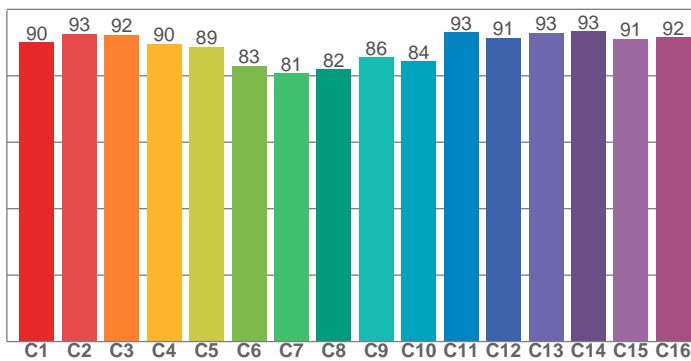
Cut off angle 2.5%: 47,5°

## Spectra

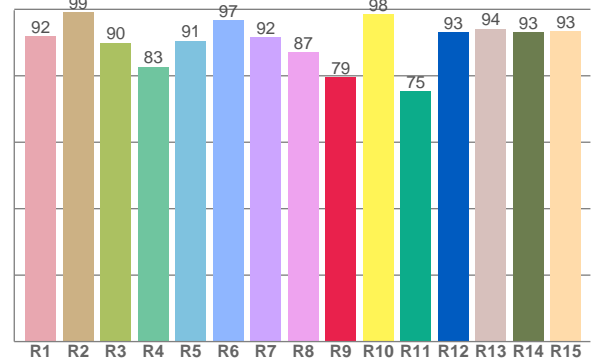




TM30: 89,2



CRI: 91,2 (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
91,9	99,0	90,0	82,7	90,6	96,7	91,7	87,2	79,5	98,5	75,3	93,1	94,2	93,1	93,3

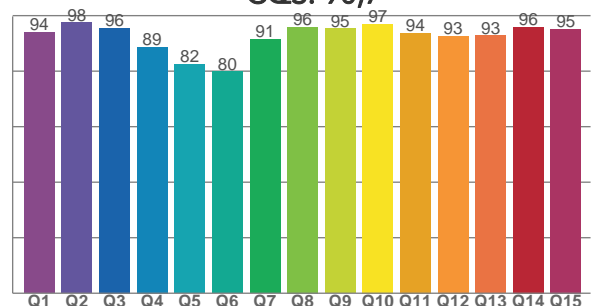
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,1	92,6	92,3	89,6	88,7	83,0	80,7	81,9	85,6	84,3	93,1	91,4	93,0	93,4	91,0	91,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,0	97,6	95,5	88,6	82,5	79,8	91,5	95,9	95,4	97,0	93,8	92,7	92,8	96,0	95,3

CQS: 90,7



## COLOR PARAMETERS

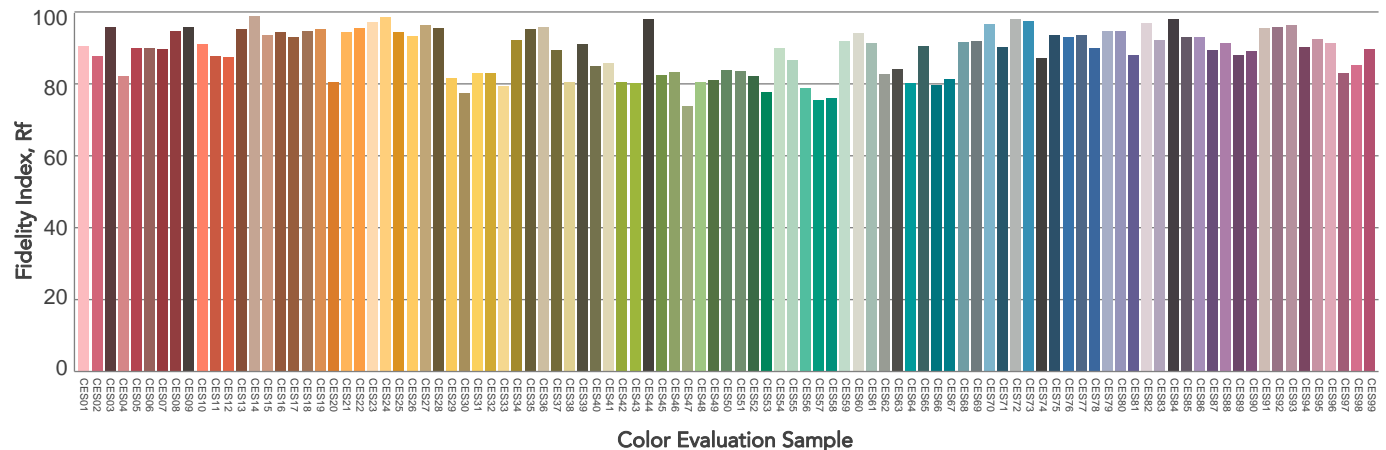
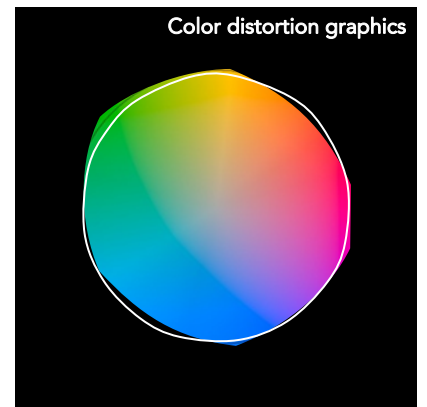
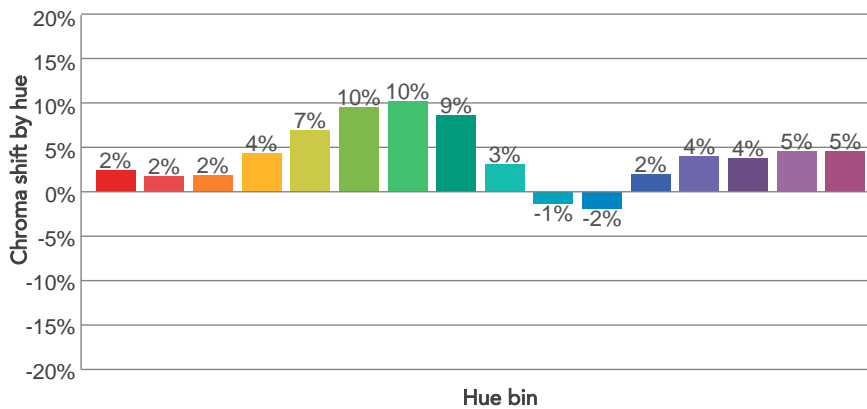
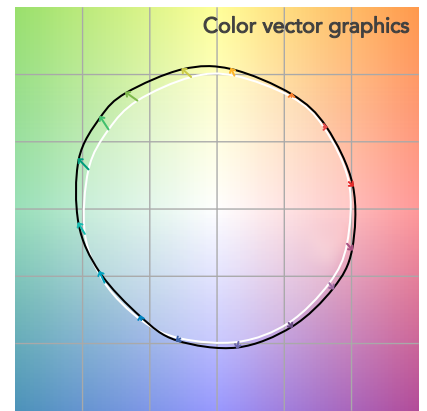
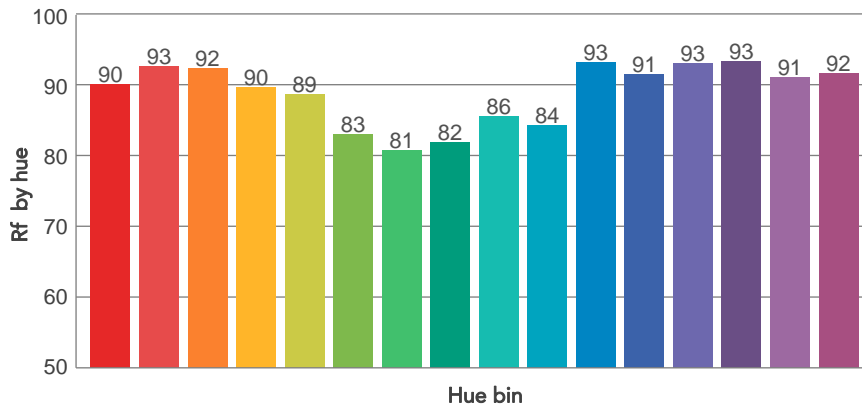
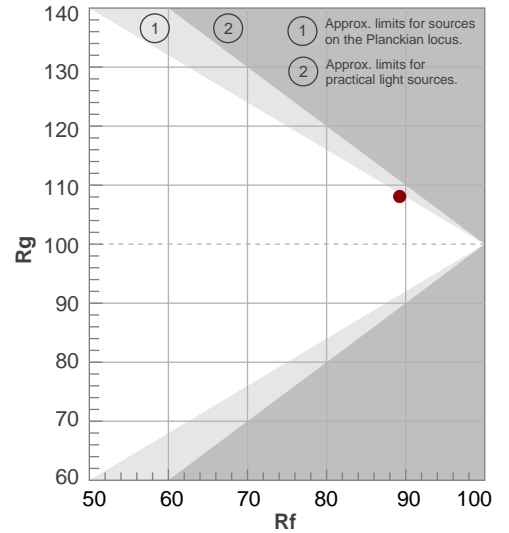
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
3109 K	91,2	79,5	89,2	108,1	90,7	79	0,429	0,400	-0,0006

# TM30 DETAILS

**Rf 89,2**  
Fidelity index Rf

**Rg 108,1**  
Gammut index

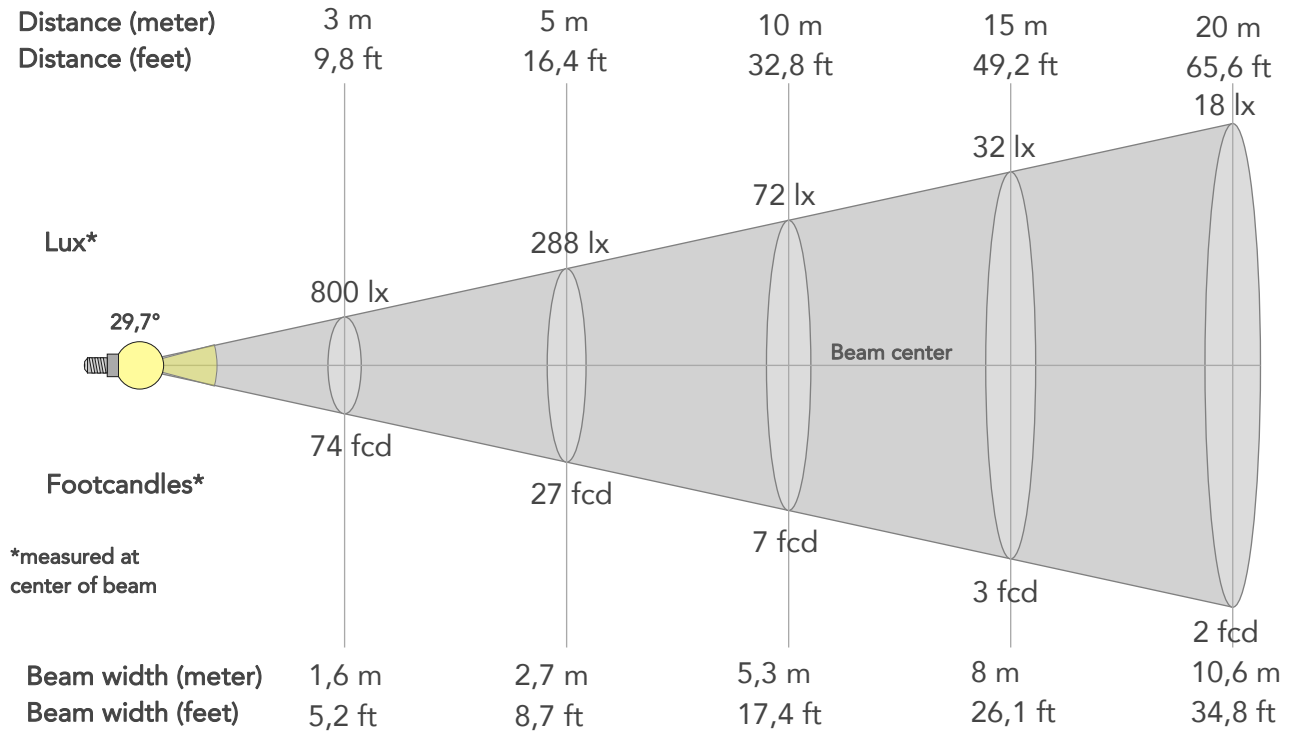
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	2%	-3%
2	93	2%	-1%
3	92	2%	1%
4	90	4%	3%
5	89	7%	5%
6	83	10%	4%
7	81	10%	-4%
8	82	9%	-6%
9	86	3%	-8%
10	84	-1%	-8%
11	93	-2%	-2%
12	91	2%	-2%
13	93	4%	-2%
14	93	4%	0%
15	91	5%	-2%
16	92	5%	-3%



## BEAM DETAILS



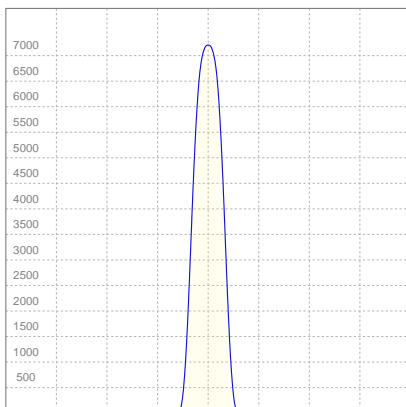
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,7°	42,1°	47,5°	99,4%	99,3%



### 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	7203lx	1801lx	800lx	450lx	288lx	128lx	72lx	32lx	18lx	12lx	8lx	5lx	3lx
Footcand.	669fcd	167fcd	74fcd	42fcd	27fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,6m	13,3m	15,9m	21,2m	26,6m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,7ft	13,1ft	17,4ft	26,1ft	34,8ft	43,5ft	52,3ft	69,7ft	87,1ft

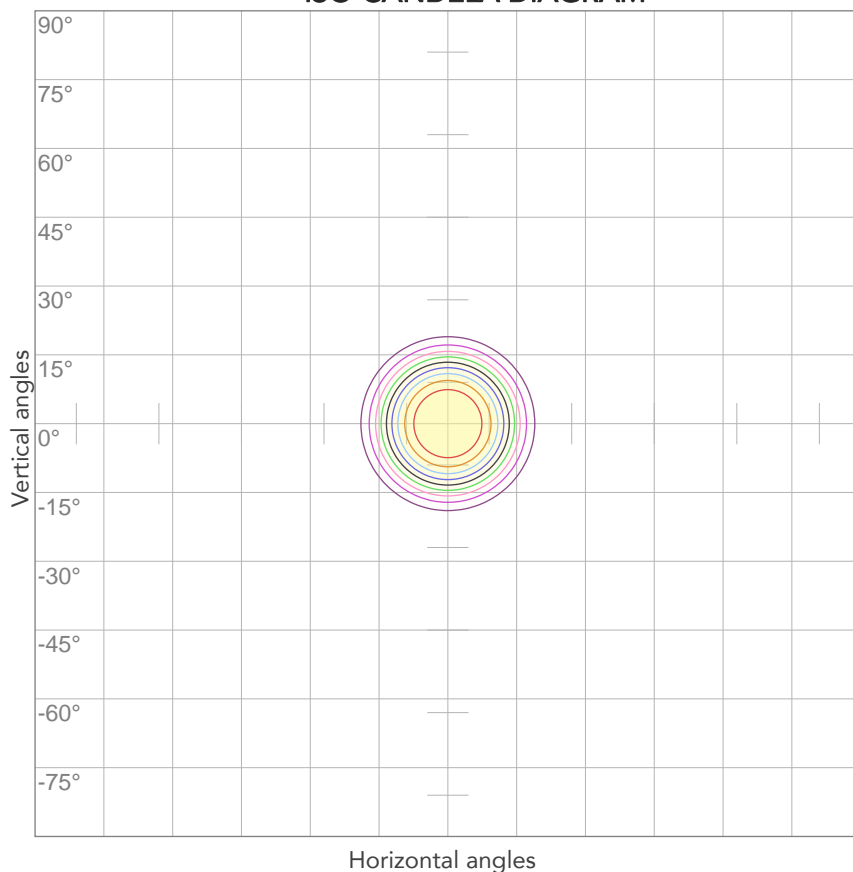
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,625A	123,7W	13lm/W

## ISO CANDELA DIAGRAM



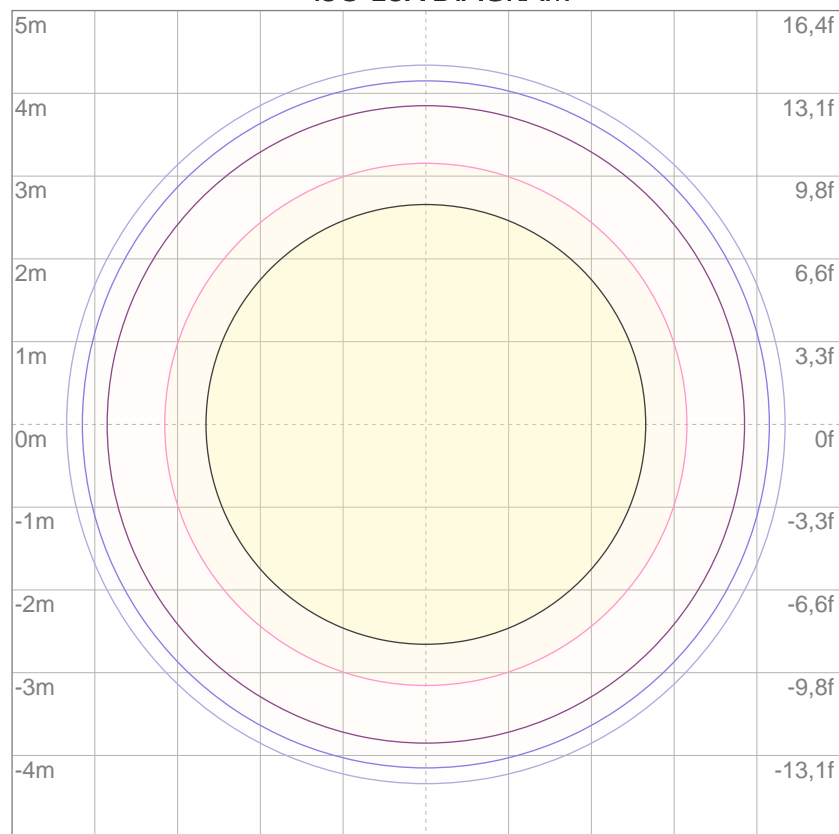
10%	720 cd
20%	1441 cd
30%	2161 cd
40%	2881 cd
50%	3602 cd
60%	4322 cd
70%	5042 cd
80%	5763 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7203 cd

## ISO LUX DIAGRAM



3%	2,16 lx
5%	3,60 lx
10%	7,20 lx
30%	21,6 lx
50%	36,0 lx

### Conditions:

Number of c-planes: 2

Lux at center: 72,0 lx

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



Total lumen output:

1652 lm

Peak candela output:

23556 cd

Light quality:

CRI: 91,3

Color temperature:

3114 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

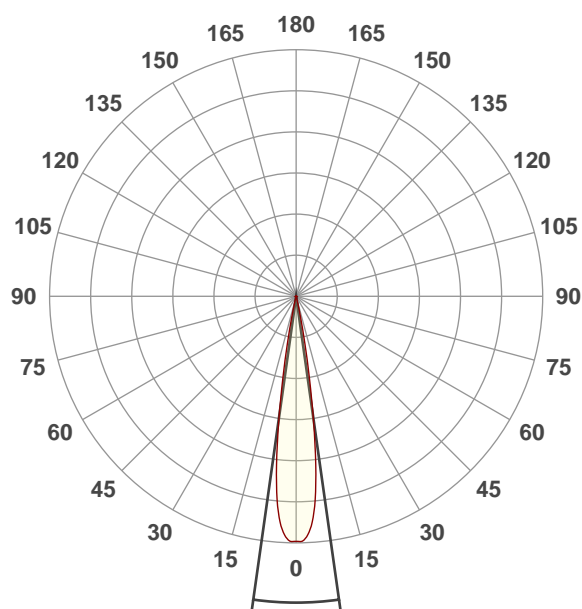
3200K

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:31:10

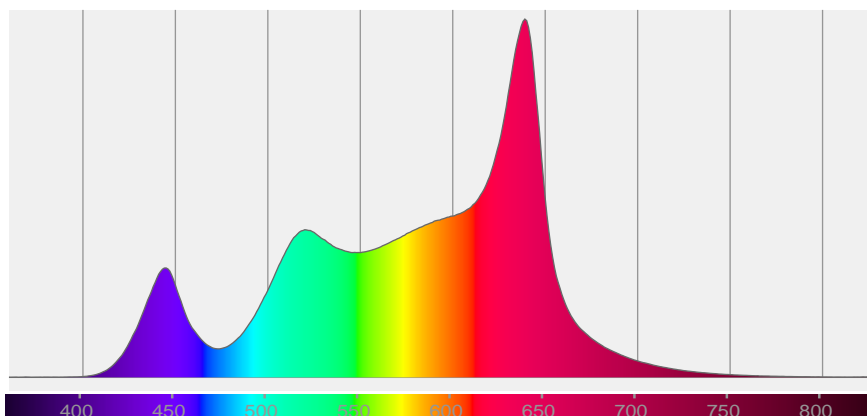


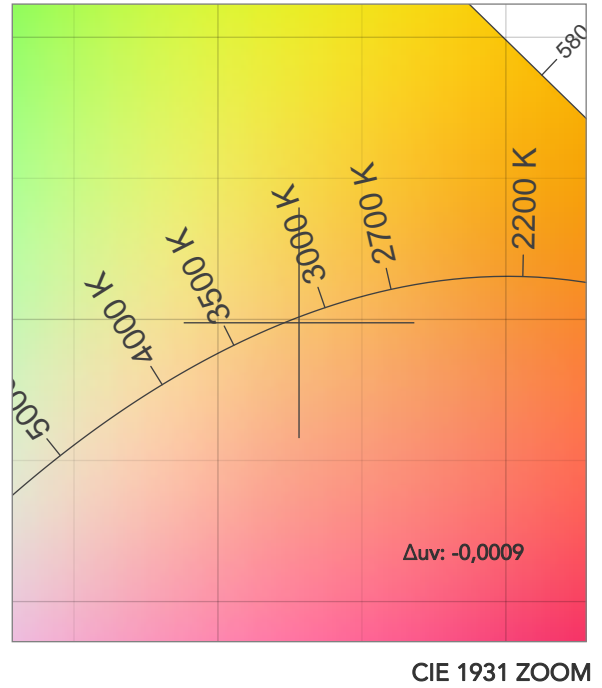
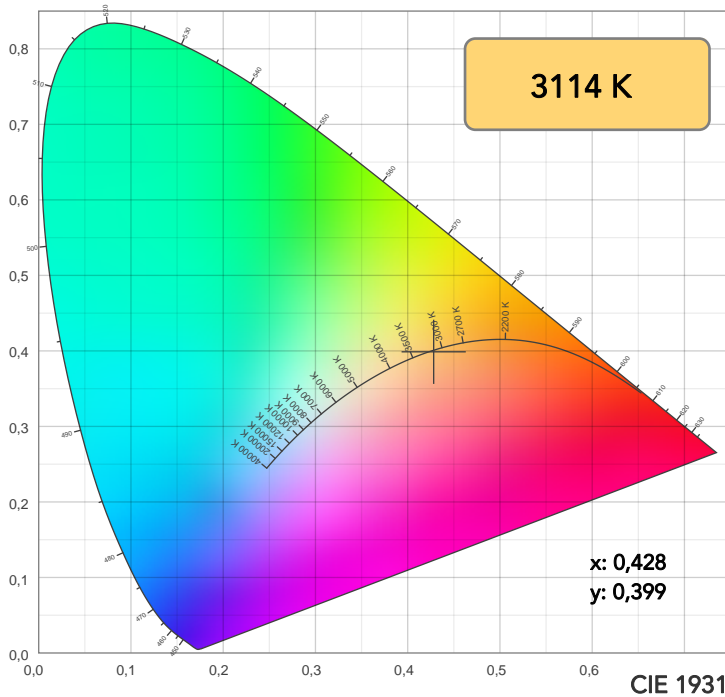
Beam angle 50%: 16,1°

Field angle 10%: 23,4°

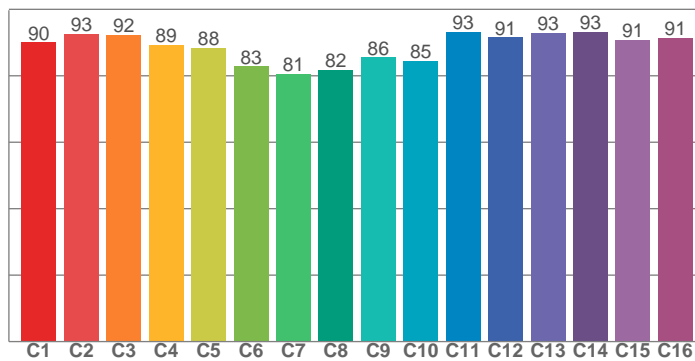
Cut off angle 2.5%: 27,1°

## Spectra

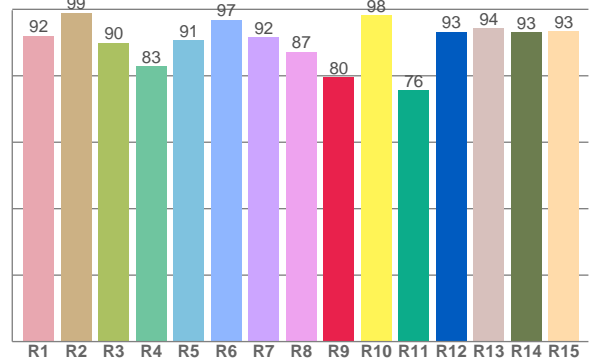




TM30: 89,2



CRI: 91,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,1	98,9	89,9	82,8	90,7	96,9	91,6	87,2	79,5	98,3	75,6	93,3	94,3	93,1	93,3

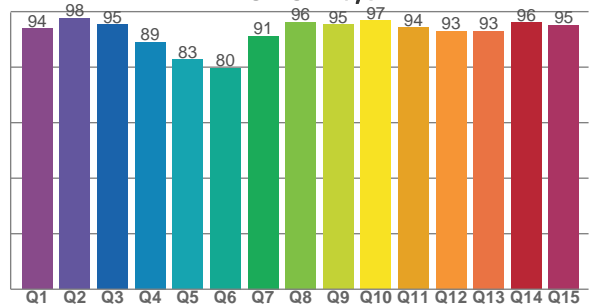
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,1	92,7	92,3	89,4	88,5	82,8	80,5	81,9	85,6	84,5	93,2	91,5	93,0	93,2	90,8	91,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,9	97,6	95,4	89,0	82,7	79,7	91,1	96,2	95,3	96,7	94,3	93,1	93,1	96,0	95,2

CQS: 90,8



## COLOR PARAMETERS

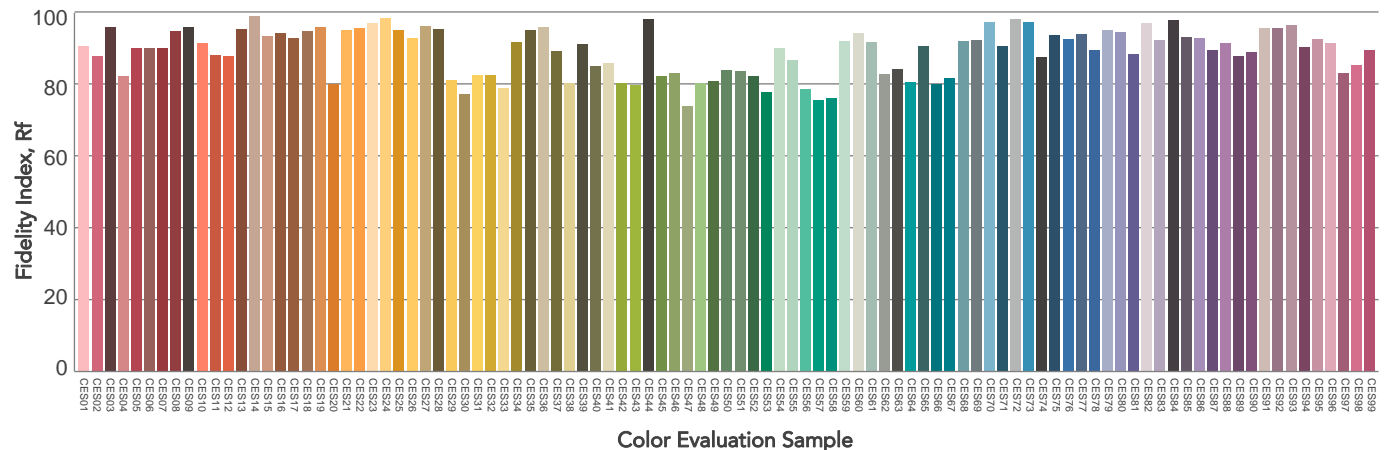
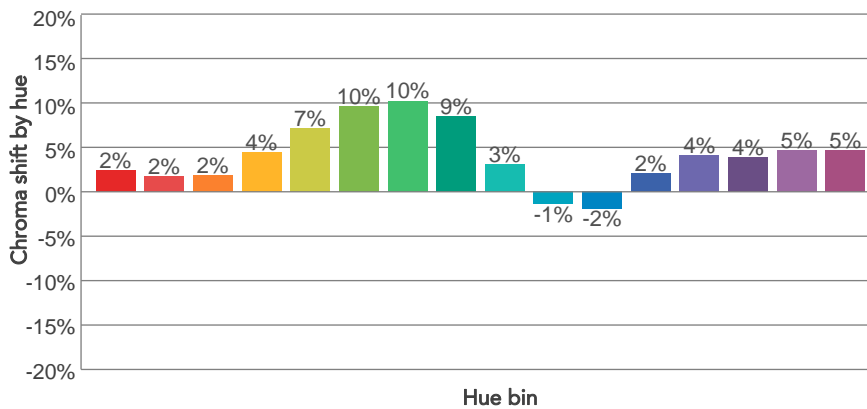
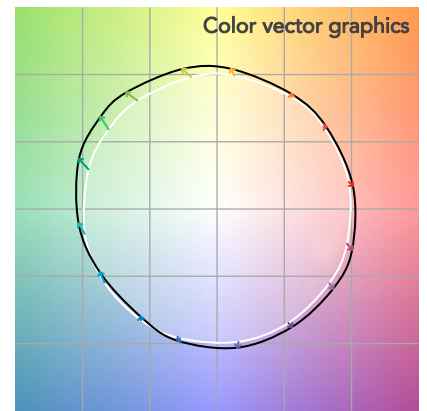
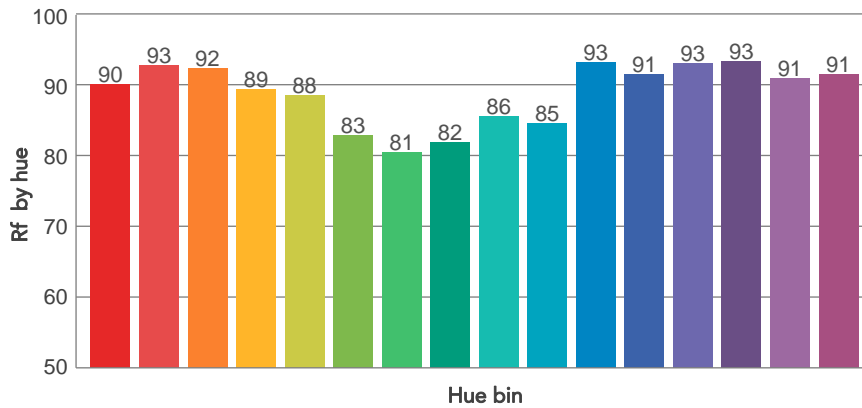
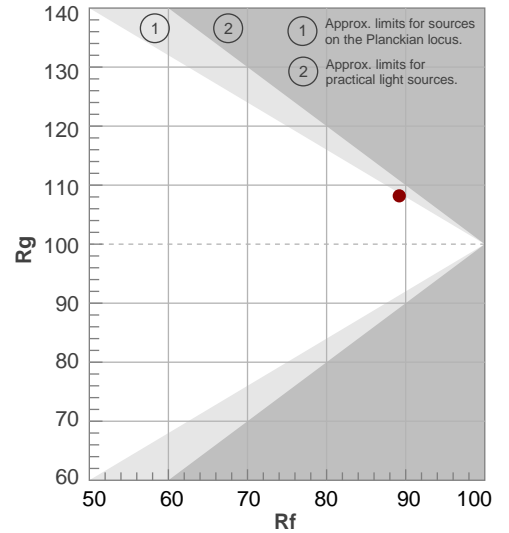
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3114 K	91,3	79,5	89,2	108,2	90,8	79	0,428	0,399	-0,0009

# TM30 DETAILS

**Rf 89,2**  
Fidelity index Rf

**Rg 108,2**  
Gammut index

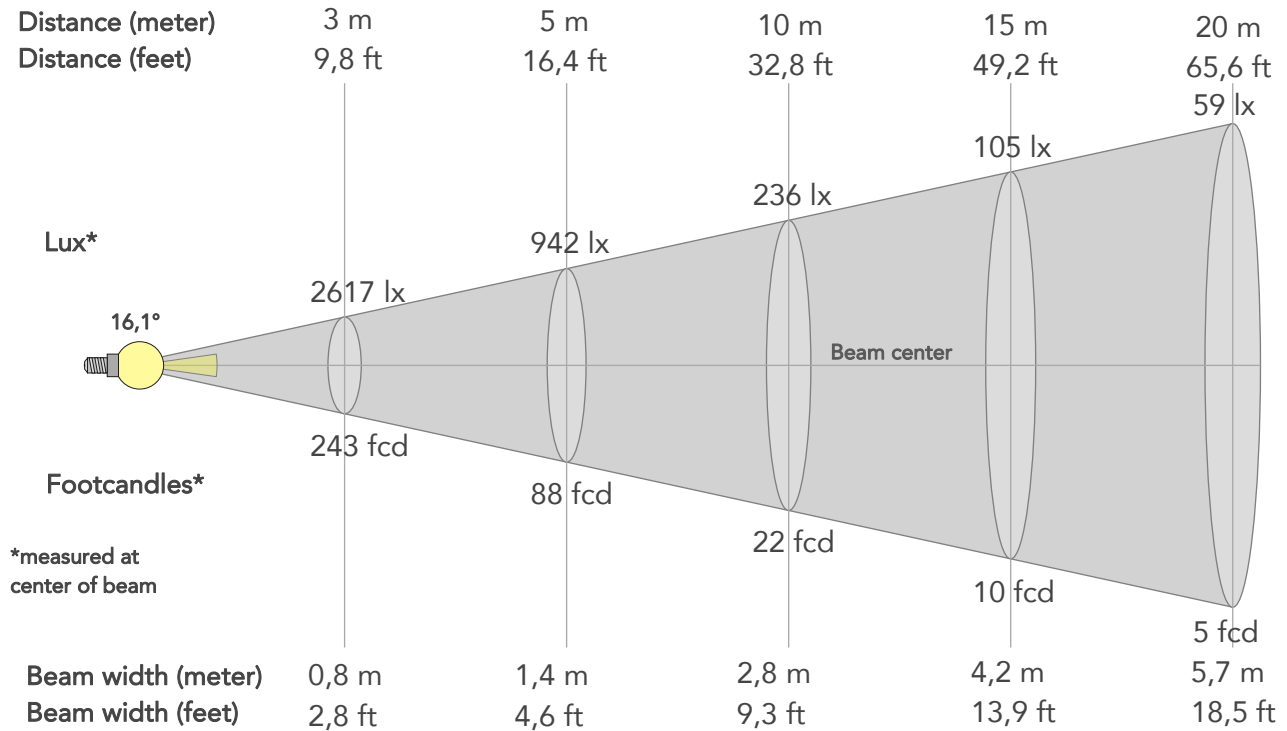
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	2%	-3%
2	93	2%	-1%
3	92	2%	1%
4	89	4%	3%
5	88	7%	5%
6	83	10%	4%
7	81	10%	-4%
8	82	9%	-6%
9	86	3%	-8%
10	85	-1%	-8%
11	93	-2%	-2%
12	91	2%	-2%
13	93	4%	-2%
14	93	4%	1%
15	91	5%	-2%
16	91	5%	-4%





## BEAM DETAILS

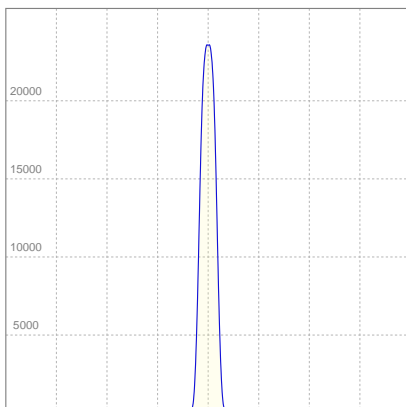
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16,1°	23,4°	27,1°	99,6%	99,5%



### 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	23556lx	5889lx	2617lx	1472lx	942lx	419lx	236lx	105lx	59lx	38lx	26lx	15lx	9lx
Footcand.	2188fcd	547fcd	243fcd	137fcd	88fcd	39fcd	22fcd	10fcd	5fcd	4fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,7m	7,1m	8,5m	11,3m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	7ft	9,3ft	13,9ft	18,5ft	23,2ft	27,8ft	37,1ft	46,3ft

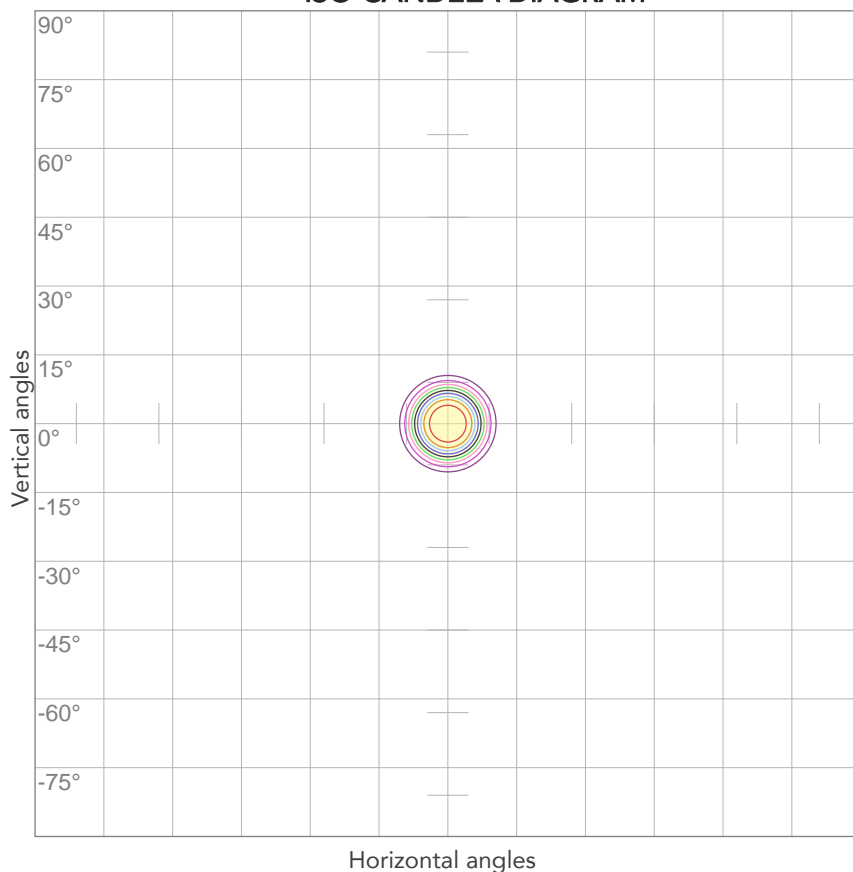
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
221V	0,622A	121,9W	14lm/W

## ISO CANDELA DIAGRAM



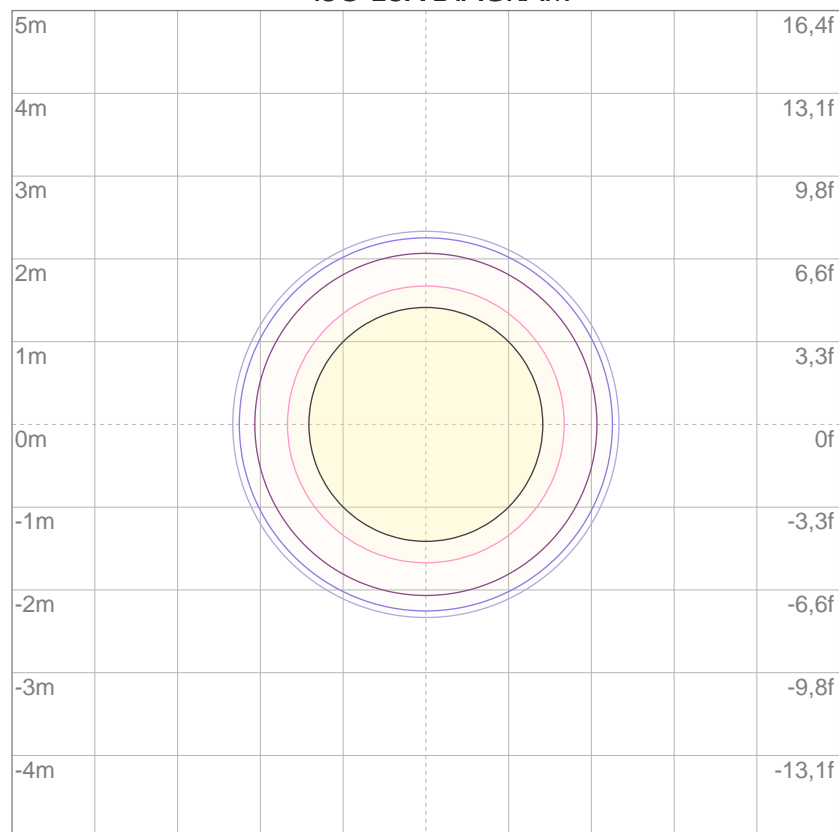
10%	2356 cd
20%	4711 cd
30%	7067 cd
40%	9422 cd
50%	11778 cd
60%	14134 cd
70%	16489 cd
80%	18845 cd

### Conditions:

Number of c-planes: 2

Candela at center: 23556 cd

## ISO LUX DIAGRAM



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

### Conditions:

Number of c-planes: 2

Lux at center: 236 lx

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



Total lumen output:

1510 lm

Peak candela output:

100473 cd

Light quality:

CRI: 91,3

Color temperature:

3110 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

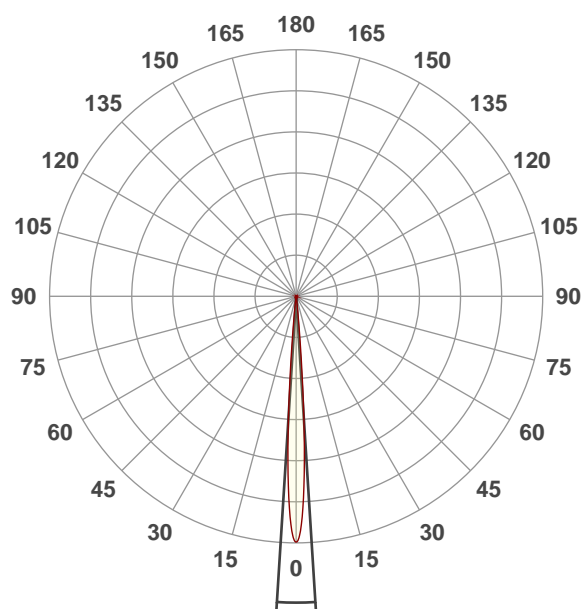
3200K

Operator:

Paolo Carvone

Date and time:

03/03/2020 12:10:53

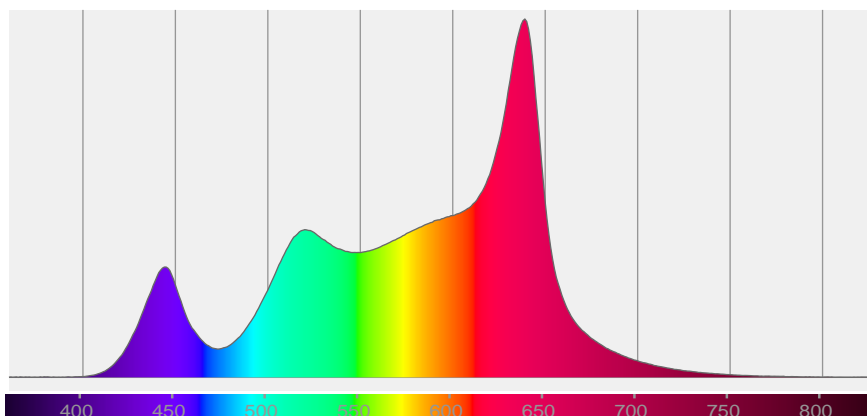


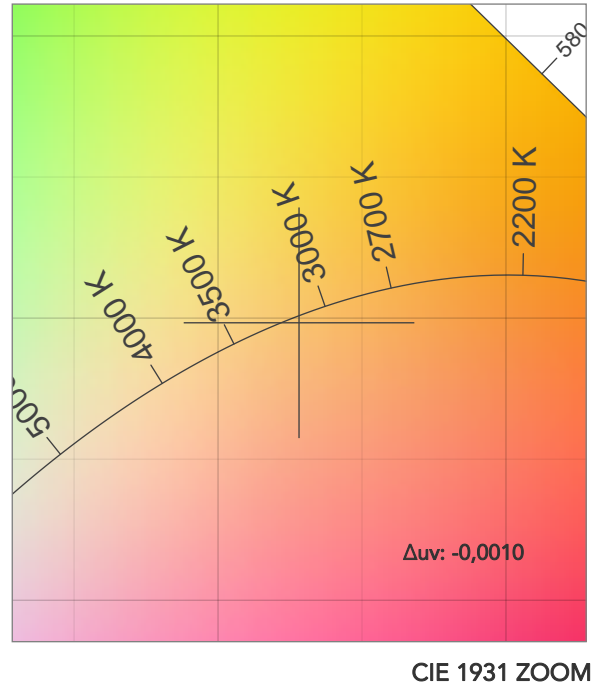
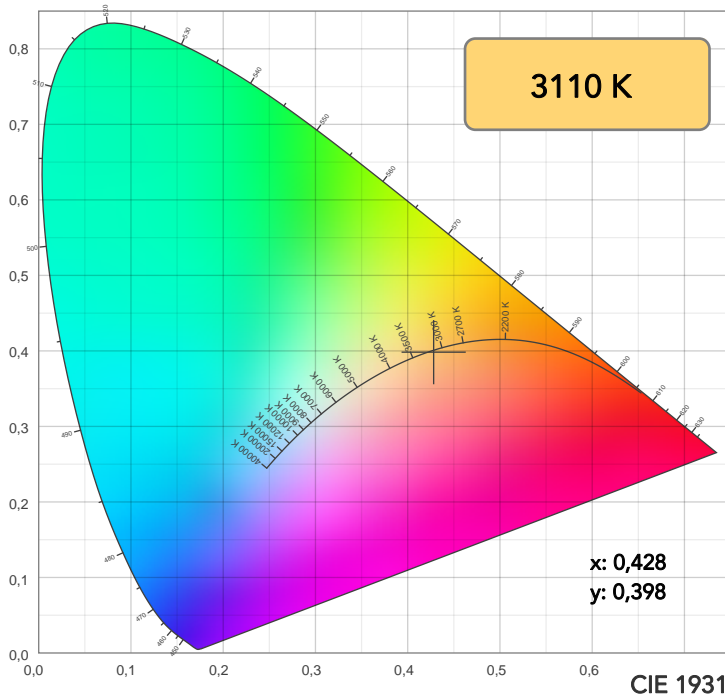
Beam angle 50%: 7,2°

Field angle 10%: 11,3°

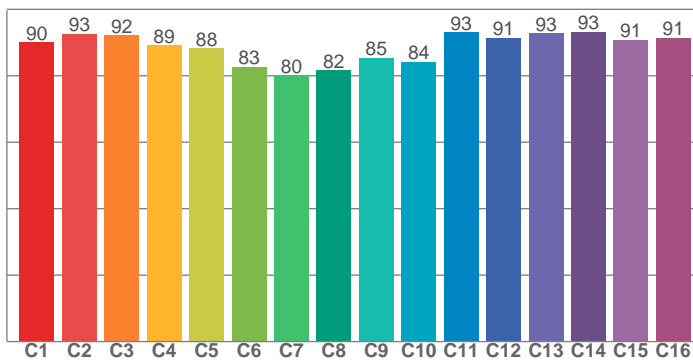
Cut off angle 2.5%: 13,6°

## Spectra

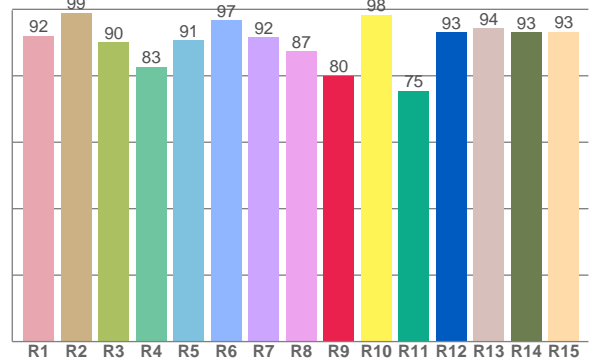




TM30: 89,0



CRI: 91,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,0	98,9	90,1	82,8	90,6	96,7	91,7	87,4	80,0	98,3	75,5	93,1	94,2	93,1	93,3

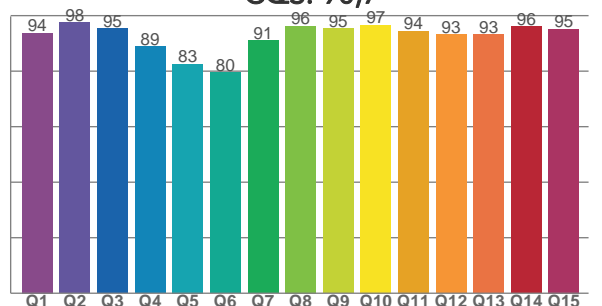
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,1	92,6	92,2	89,1	88,2	82,6	80,2	81,6	85,4	84,2	93,0	91,3	92,8	93,2	90,8	91,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
93,7	97,6	95,4	88,9	82,5	79,5	91,0	96,3	95,4	96,7	94,4	93,2	93,2	96,0	95,1

CQS: 90,7



## COLOR PARAMETERS

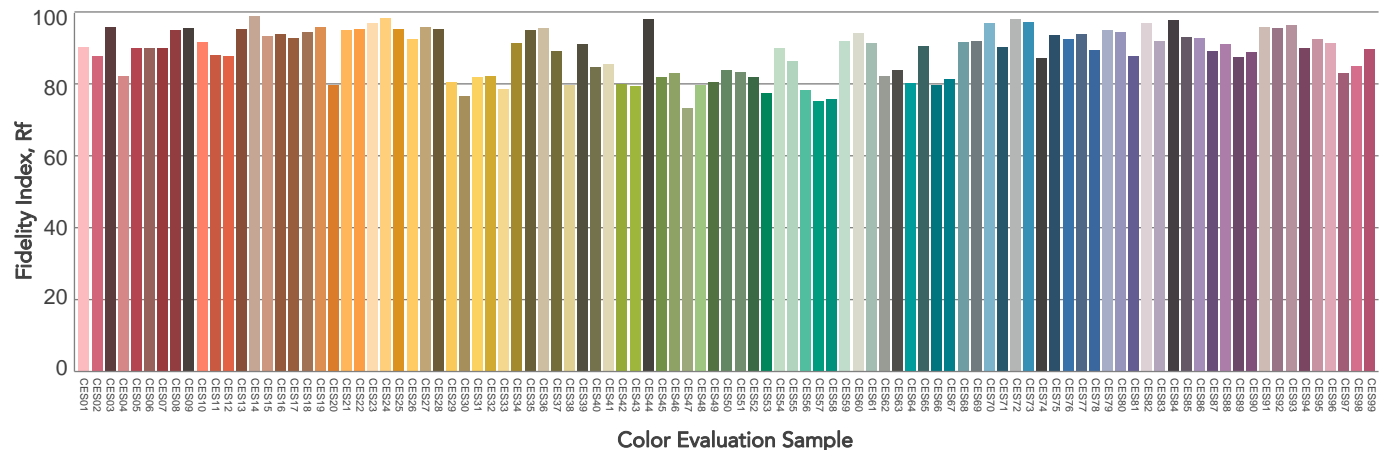
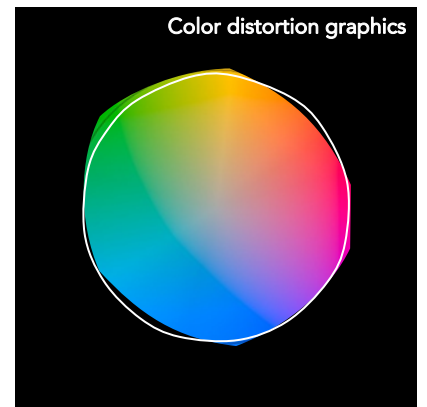
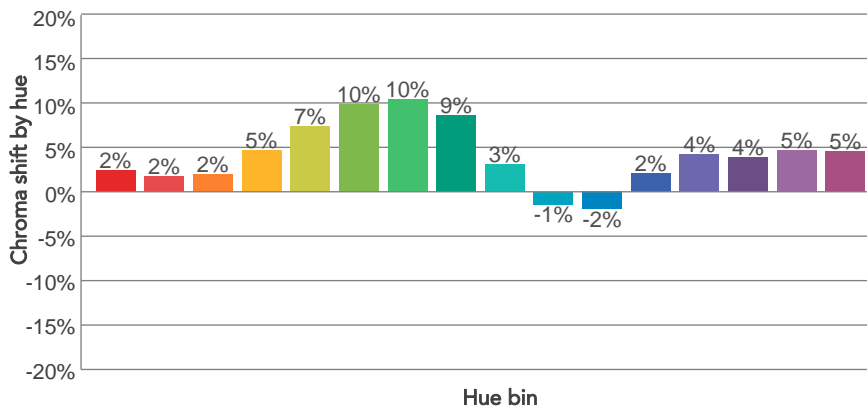
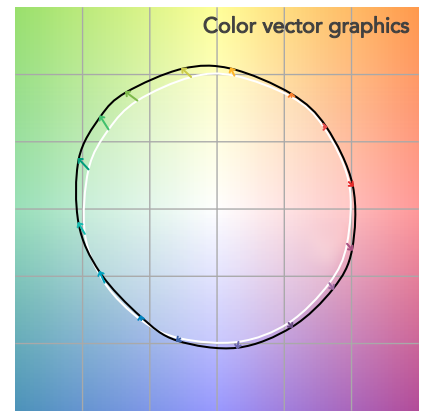
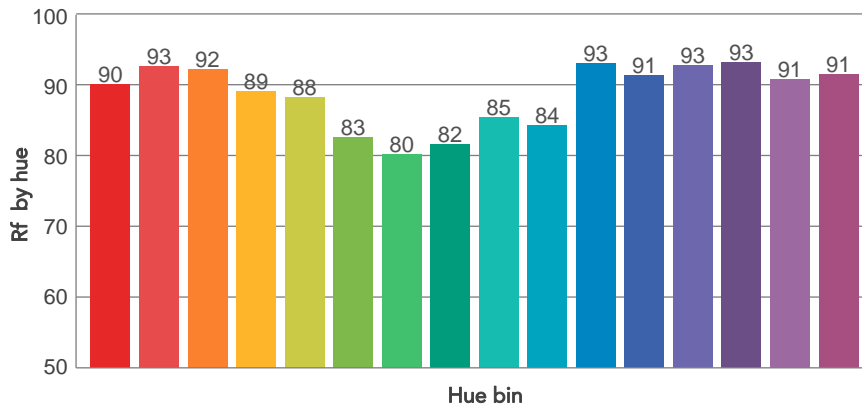
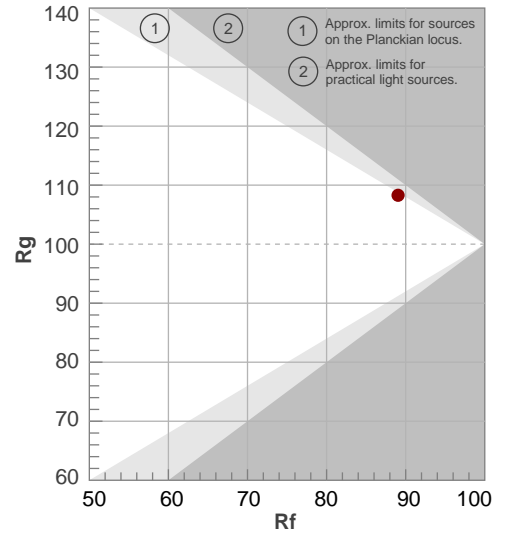
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3110 K	91,3	80,0	89,0	108,3	90,7	79	0,428	0,398	-0,0010

# TM30 DETAILS

**Rf 89,0**  
Fidelity index Rf

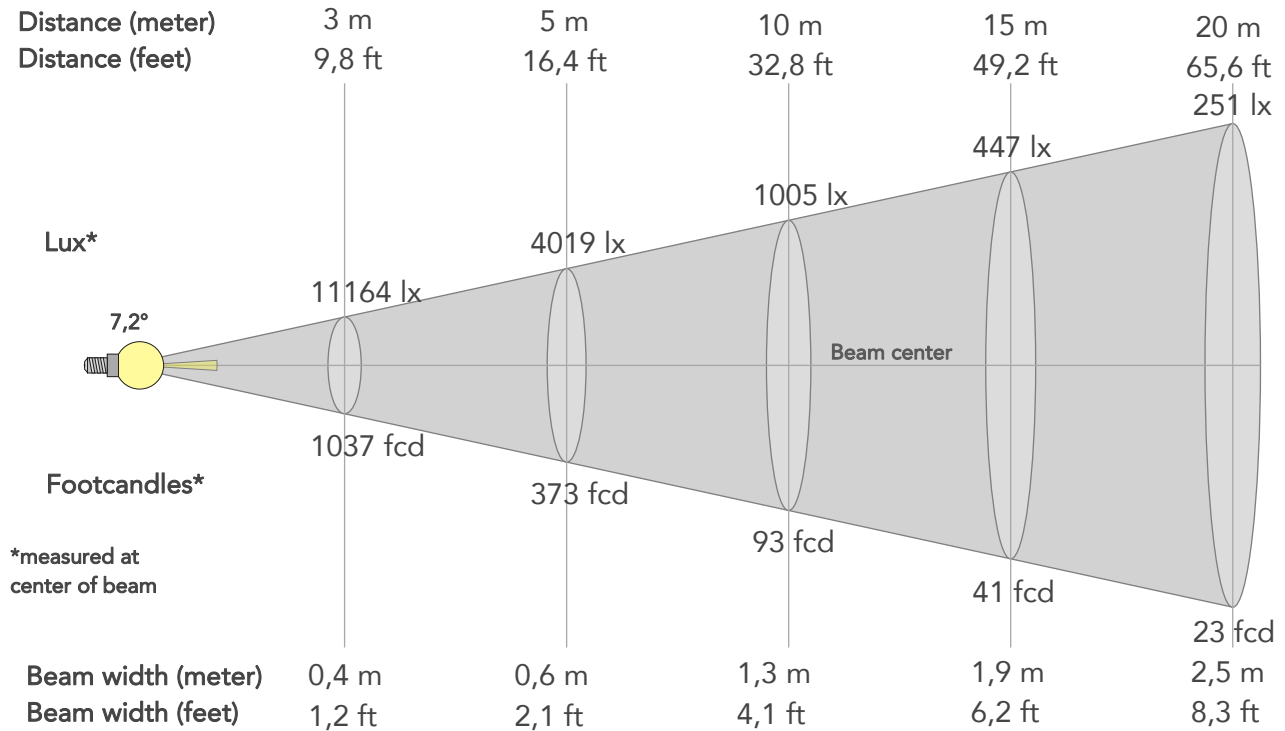
**Rg 108,3**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	2%	-3%
2	93	2%	-1%
3	92	2%	1%
4	89	5%	4%
5	88	7%	5%
6	83	10%	4%
7	80	10%	-5%
8	82	9%	-6%
9	85	3%	-9%
10	84	-1%	-8%
11	93	-2%	-2%
12	91	2%	-2%
13	93	4%	-2%
14	93	4%	0%
15	91	5%	-2%
16	91	5%	-4%



## BEAM DETAILS

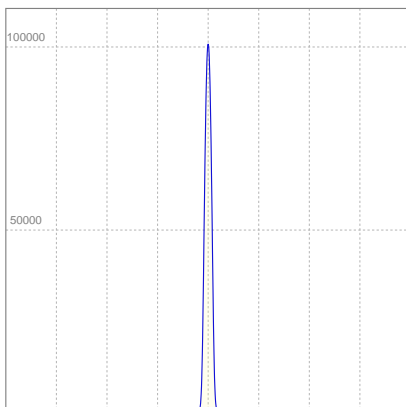
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,3°	13,6°	99,6%	99,5%



### 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	100473lx	25118lx	11164lx	6280lx	4019lx	1786lx	1005lx	447lx	251lx	161lx	112lx	63lx	40lx
Footcand.	9334fcd	2334fcd	1037fcd	583fcd	373fcd	166fcd	93fcd	41fcd	23fcd	15fcd	10fcd	6fcd	4fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,1m	3,8m	5m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,6ft	2,1ft	3,1ft	4,1ft	6,2ft	8,3ft	10,3ft	12,4ft	16,5ft	20,6ft

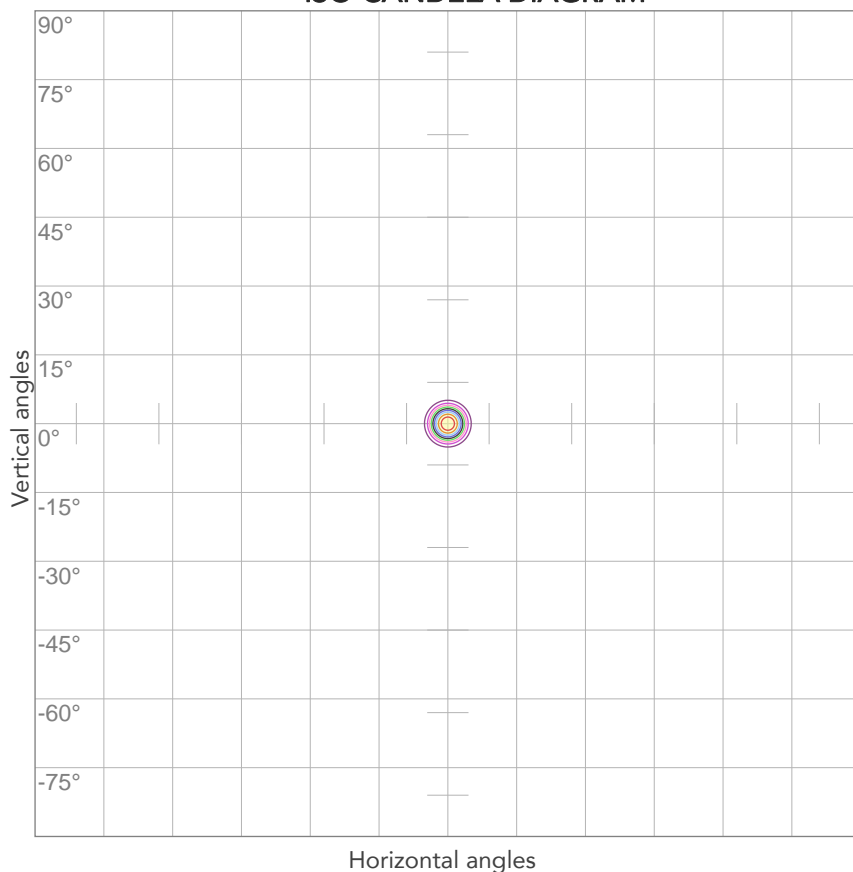
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,619A	122,5W	12lm/W

## ISO CANDELA DIAGRAM



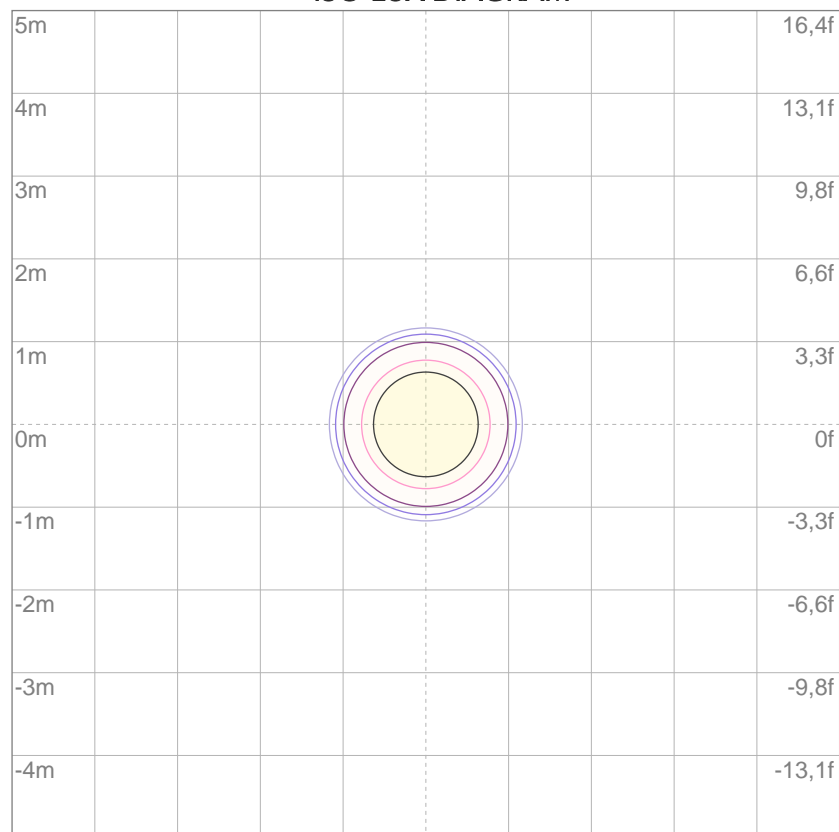
10%	10047 cd
20%	20095 cd
30%	30142 cd
40%	40189 cd
50%	50236 cd
60%	60284 cd
70%	70331 cd
80%	80378 cd

### Conditions:

Number of c-planes: 2

Candela at center: 100473 cd

## ISO LUX DIAGRAM



3%	30,1 lx
5%	50,2 lx
10%	100 lx
30%	301 lx
50%	502 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1005 lx

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



Total lumen output:

1755 lm

Peak candela output:

7578 cd

Light quality:

CRI: 90,8

Color temperature:

3858 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

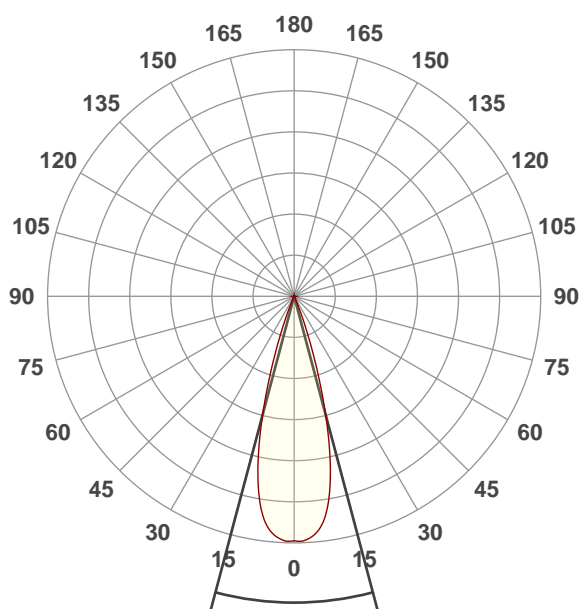
4000K

Operator:

Paolo Carvone

Date and time:

03/03/2020 11:53:52

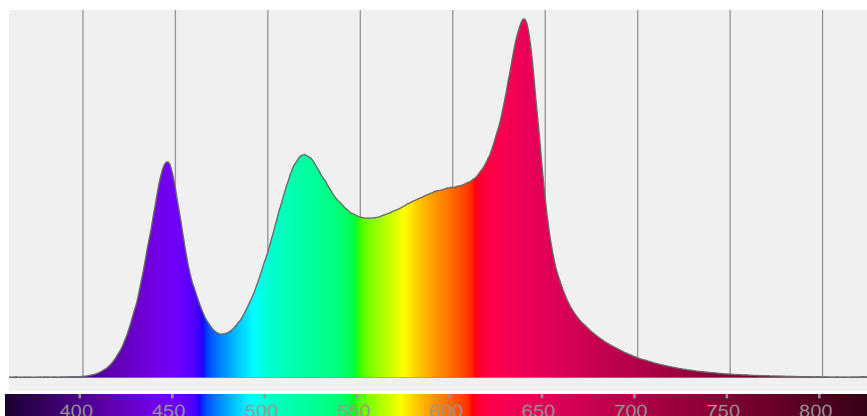


Beam angle 50%: 29,8°

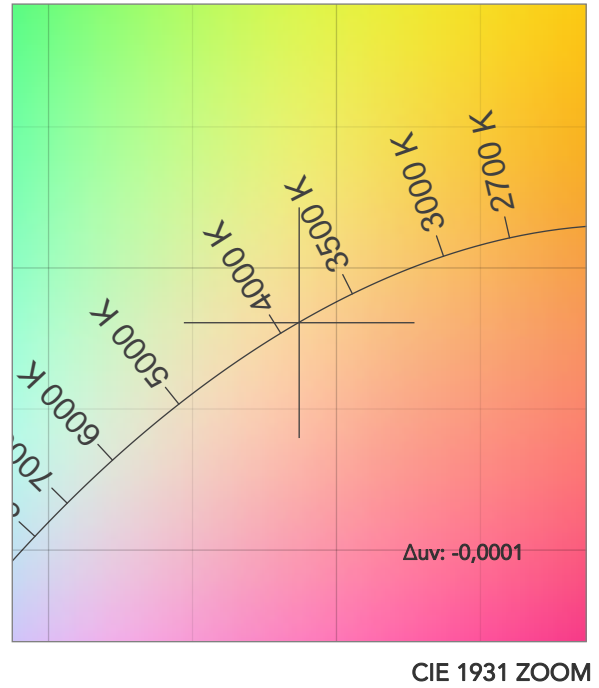
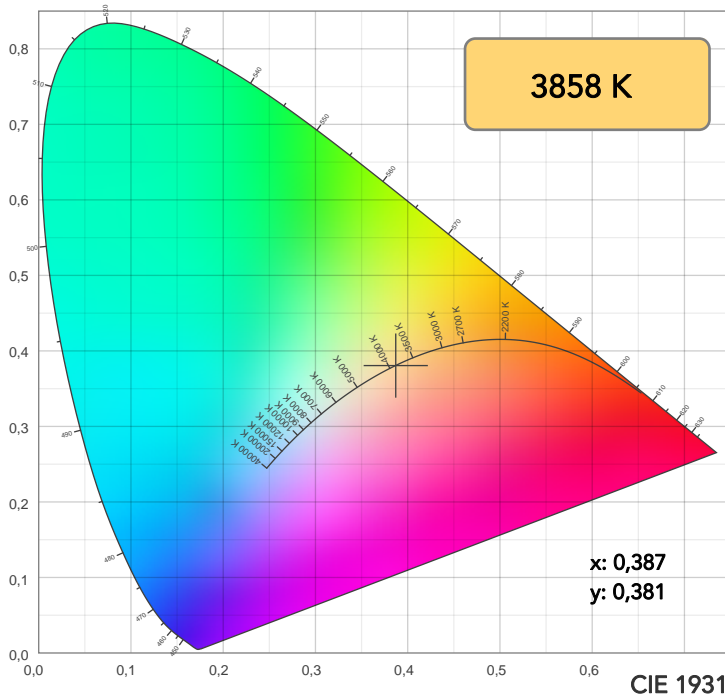
Field angle 10%: 42,1°

Cut off angle 2.5%: 47,5°

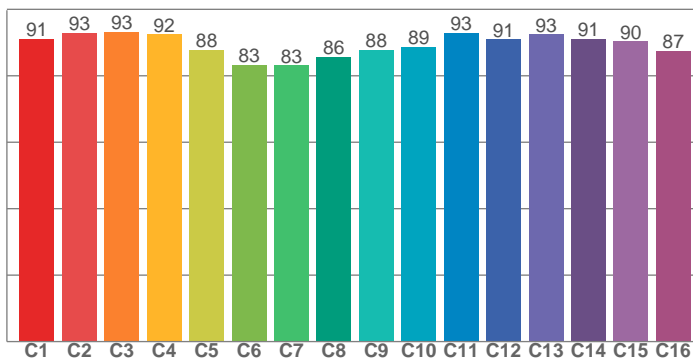
## Spectra



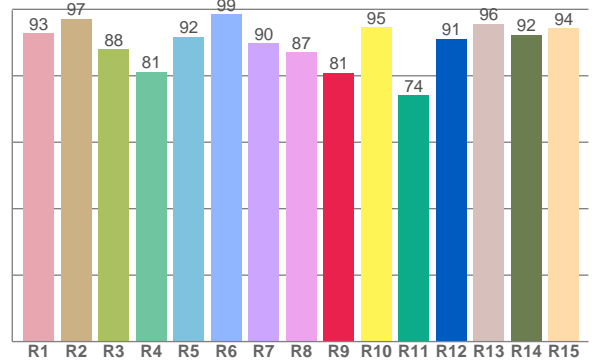




TM30: 89,6



CRI: 90,8 (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
92,9	97,1	88,0	81,3	91,8	98,6	89,7	87,1	80,9	94,6	74,2	91,1	95,7	92,3	94,2

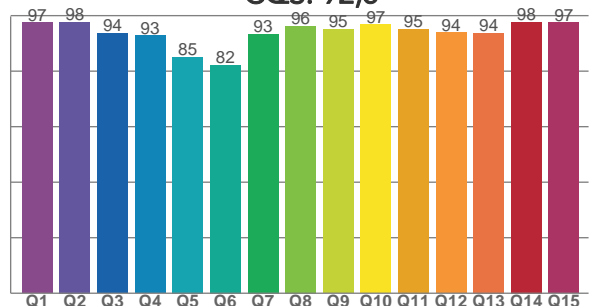
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,1	93,0	93,3	92,4	87,8	83,3	83,2	85,6	87,9	88,7	92,9	90,9	92,5	91,1	90,4	87,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	97,7	93,6	92,8	85,1	82,3	93,4	96,2	95,1	96,8	95,2	93,9	93,8	97,7	97,5

CQS: 92,5



## COLOR PARAMETERS

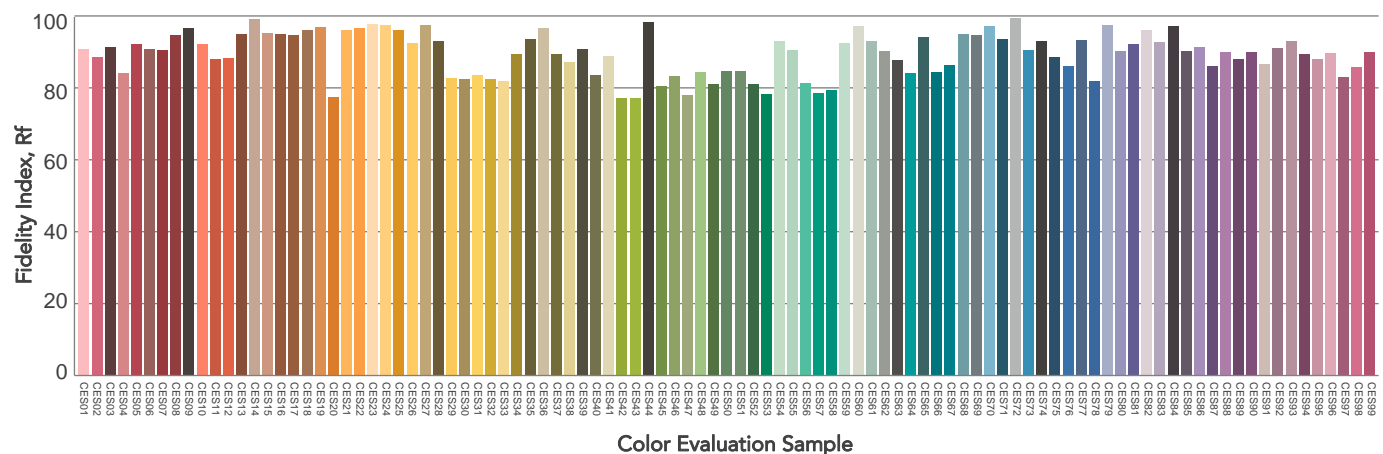
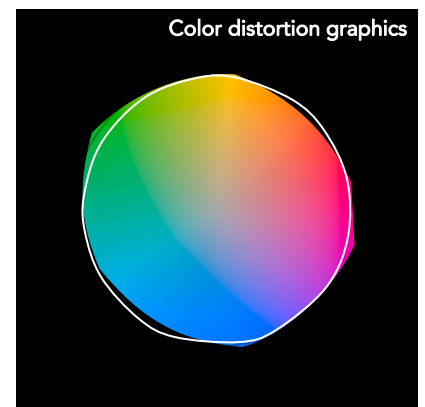
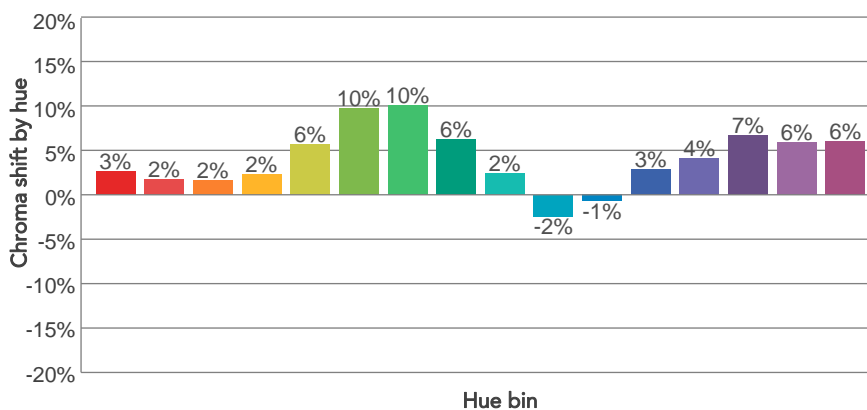
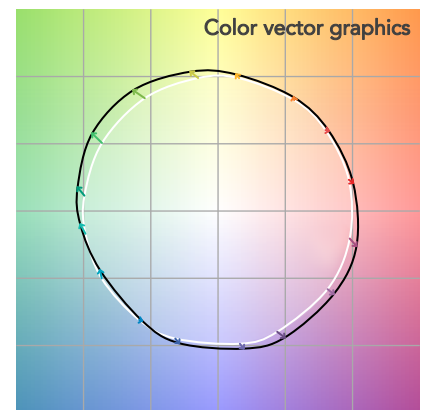
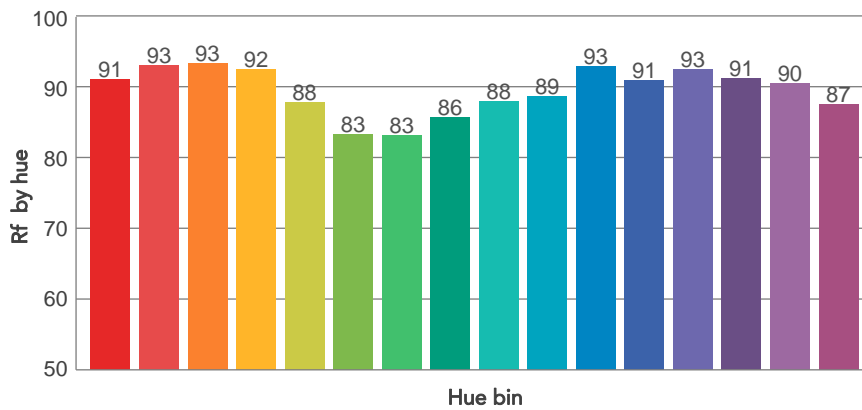
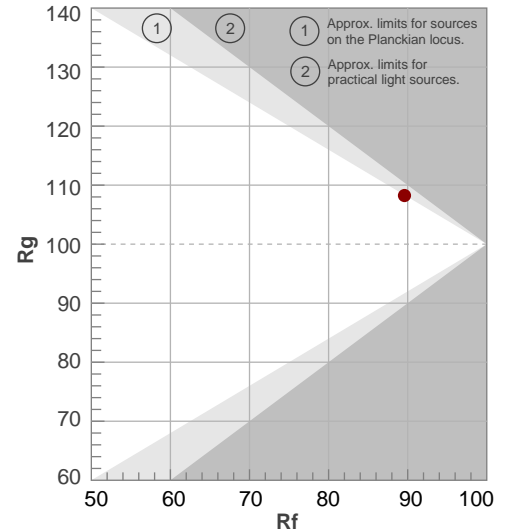
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3858 K	90,8	80,9	89,6	108,2	92,5	78	0,387	0,381	-0,0001

# TM30 DETAILS

**Rf 89,6**  
Fidelity index Rf

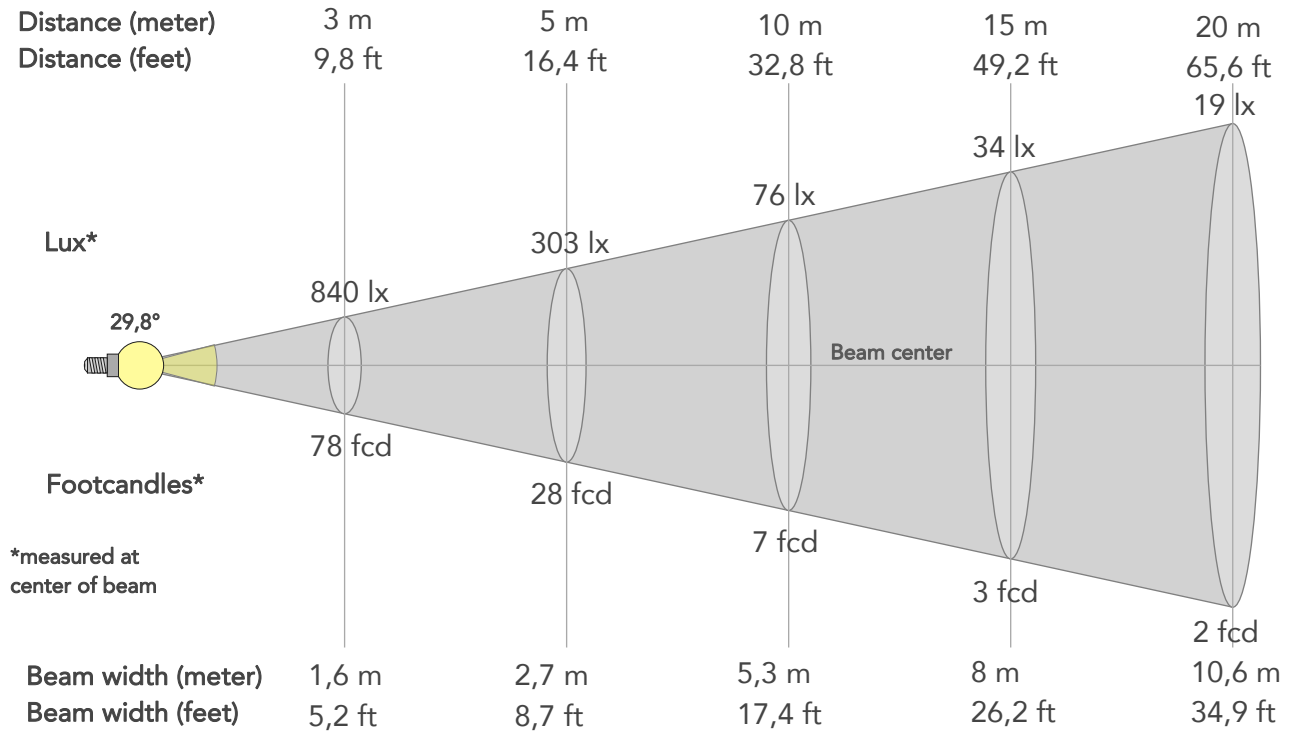
**Rg 108,2**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	3%	-3%
2	93	2%	-2%
3	93	2%	2%
4	92	2%	3%
5	88	6%	5%
6	83	10%	4%
7	83	10%	-2%
8	86	6%	-5%
9	88	2%	-8%
10	89	-2%	-6%
11	93	-1%	2%
12	91	3%	3%
13	93	4%	2%
14	91	7%	2%
15	90	6%	0%
16	87	6%	-4%



## BEAM DETAILS

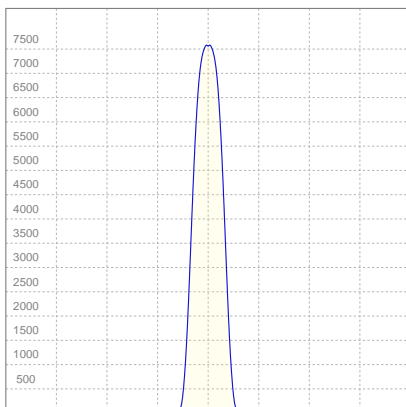
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,8°	42,1°	47,5°	99,5%	99,3%



### 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	7564lx	1891lx	840lx	473lx	303lx	134lx	76lx	34lx	19lx	12lx	8lx	5lx	3lx
Footcand.	703fcd	176fcd	78fcd	44fcd	28fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,6m	13,3m	16m	21,3m	26,6m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,7ft	13,1ft	17,4ft	26,2ft	34,9ft	43,6ft	52,3ft	69,8ft	87,2ft

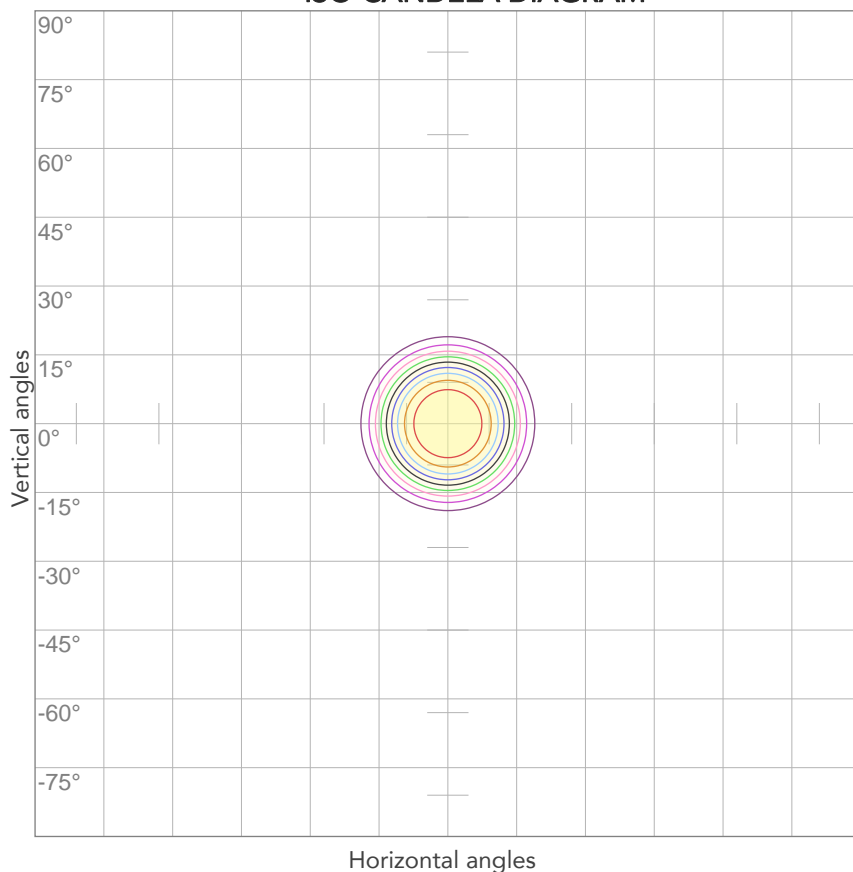
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,649A	129,3W	14lm/W

## ISO CANDELA DIAGRAM



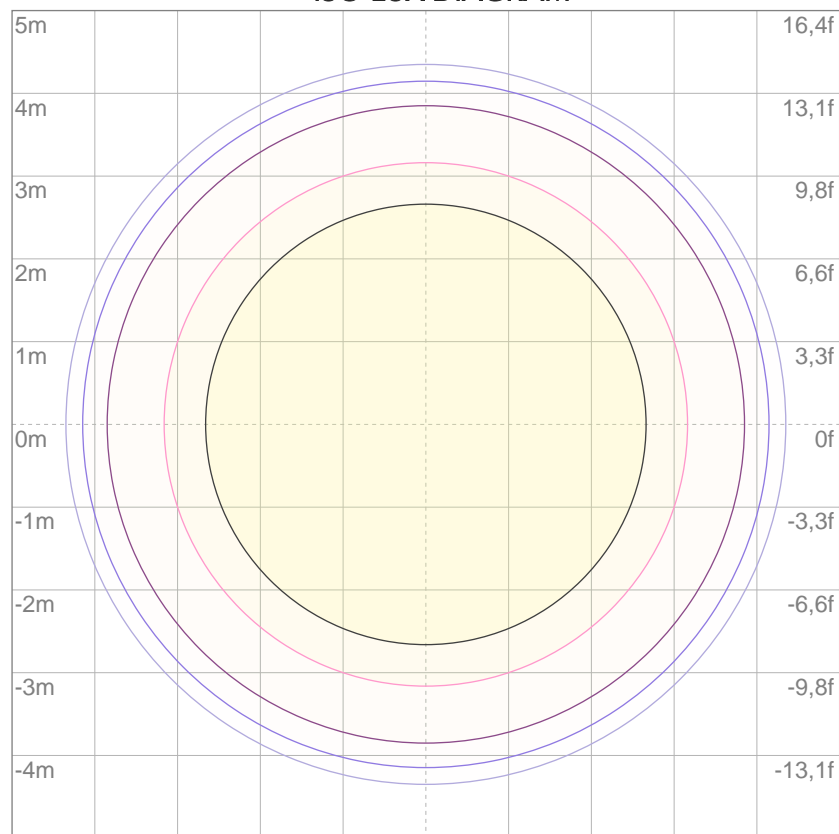
10%	756 cd
20%	1513 cd
30%	2269 cd
40%	3026 cd
50%	3782 cd
60%	4538 cd
70%	5295 cd
80%	6051 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7564 cd

## ISO LUX DIAGRAM



3%	2,27 lx
5%	3,78 lx
10%	7,56 lx
30%	22,7 lx
50%	37,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 75,6 lx

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



Total lumen output:

1739 lm

Peak candela output:

25136 cd

Light quality:

CRI: 90,8

Color temperature:

3869 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

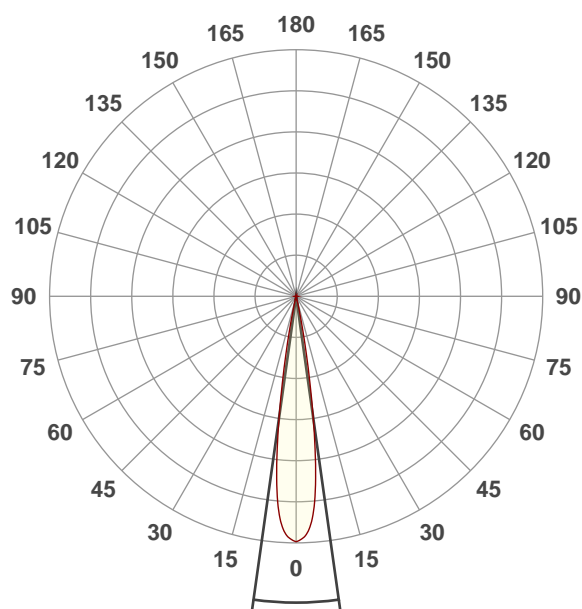
4000K

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:34:48

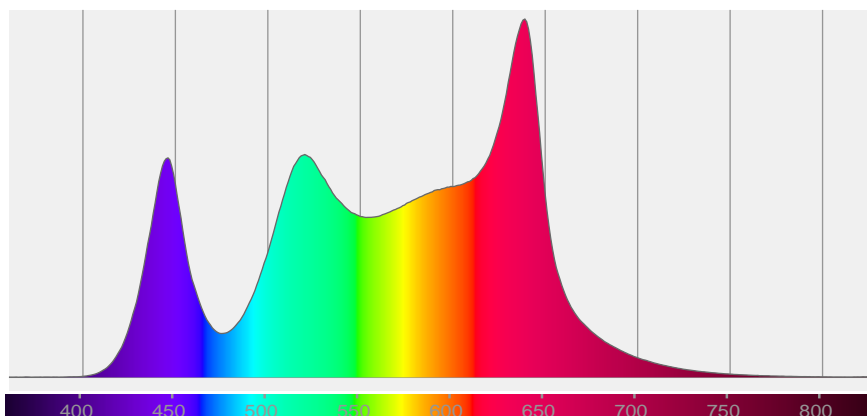


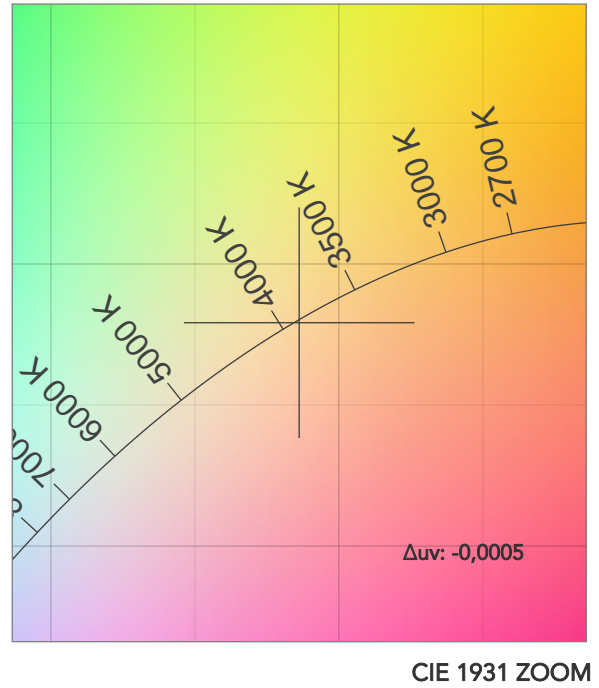
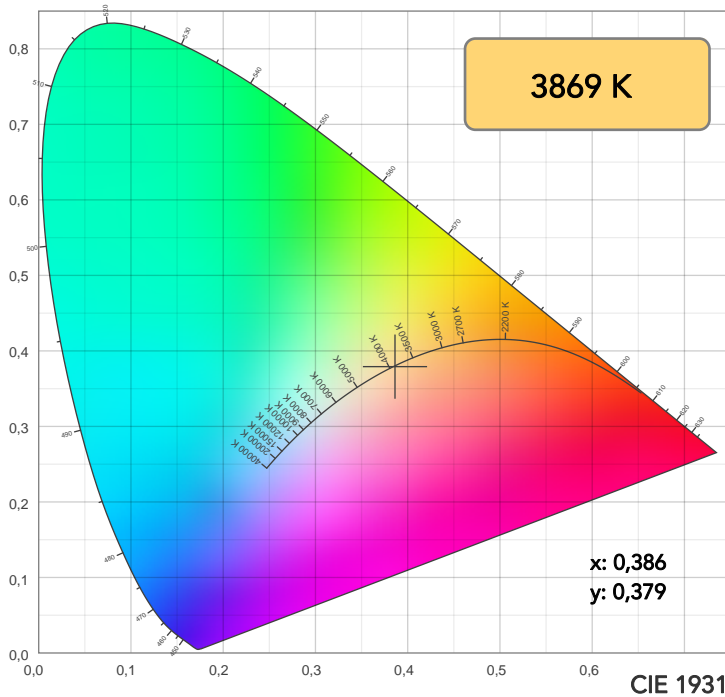
Beam angle 50%: 16°

Field angle 10%: 23,3°

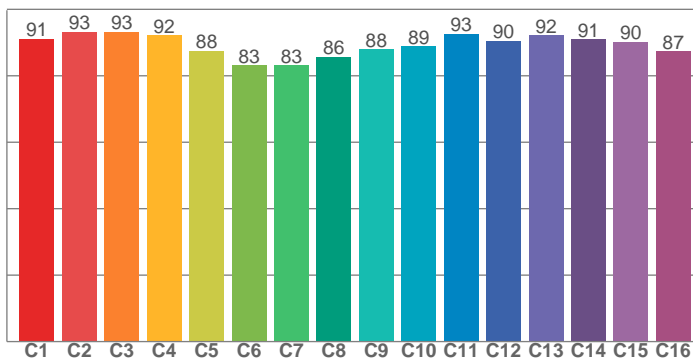
Cut off angle 2.5%: 26,9°

## Spectra

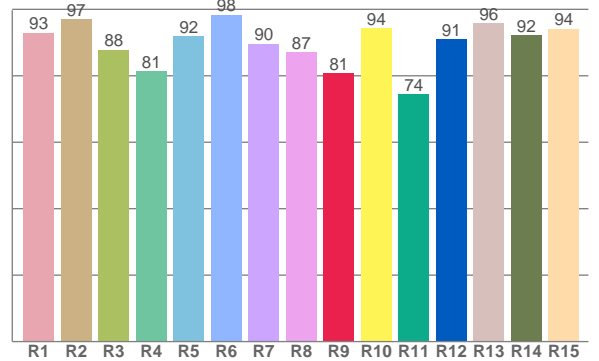




TM30: 89,5



CRI: 90,8 (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
92,9	97,1	87,8	81,3	91,9	98,4	89,7	87,1	80,8	94,4	74,3	91,0	95,7	92,2	94,1

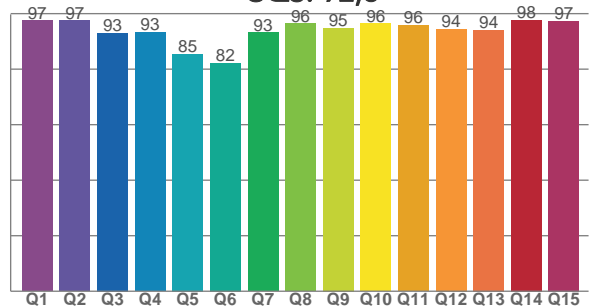
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,1	93,2	93,2	92,2	87,5	83,1	83,1	85,6	88,0	88,9	92,6	90,5	92,2	90,9	90,2	87,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,4	97,5	93,0	93,3	85,4	82,2	93,2	96,4	94,9	96,4	95,8	94,4	94,1	97,7	97,4

CQS: 92,6



## COLOR PARAMETERS

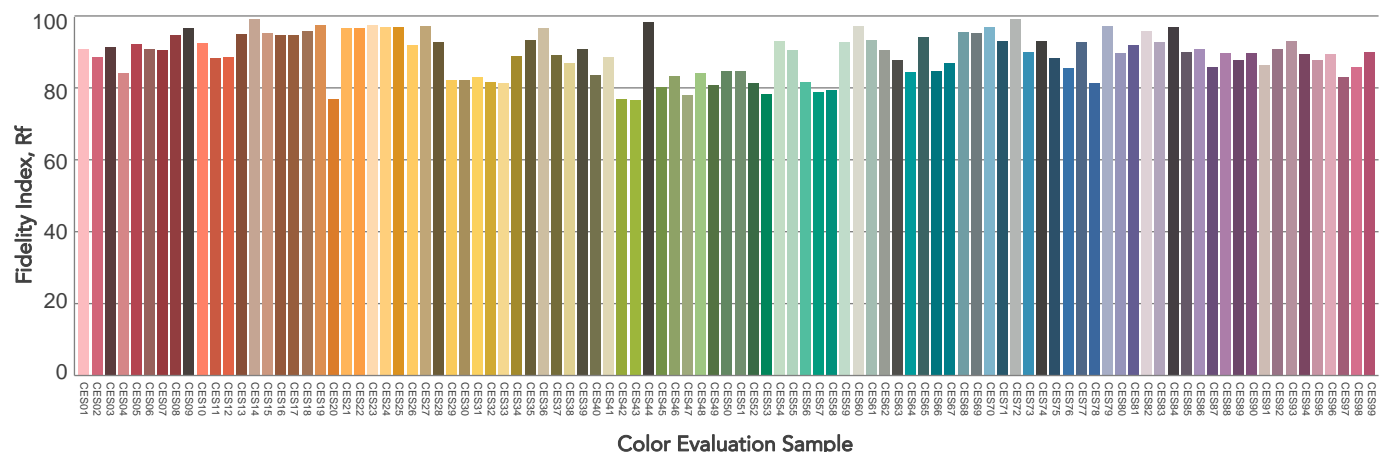
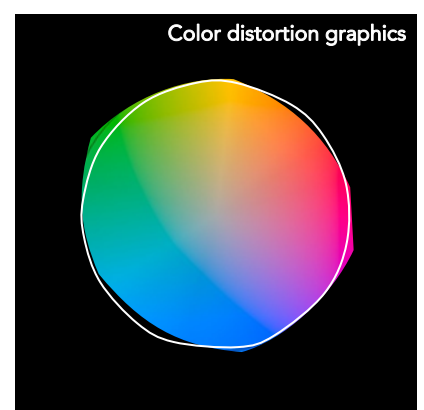
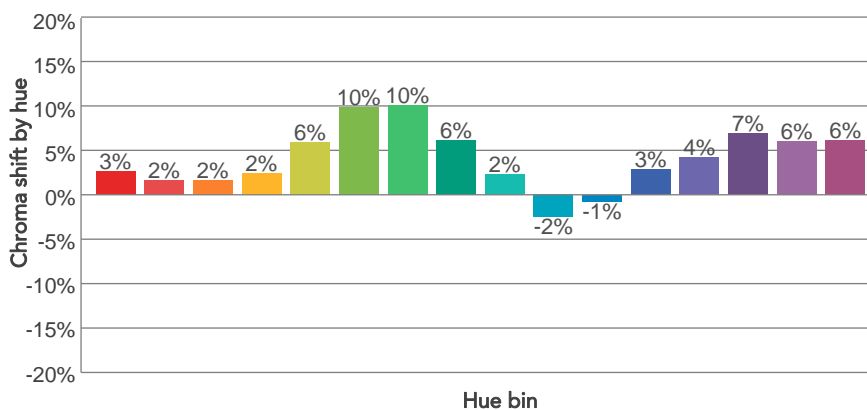
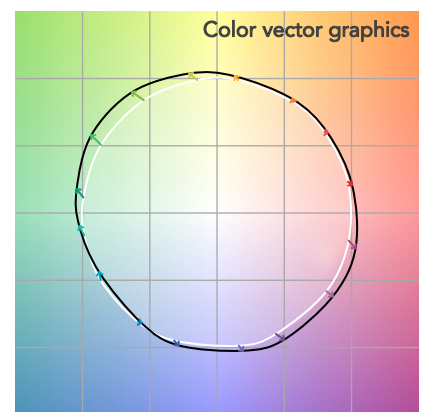
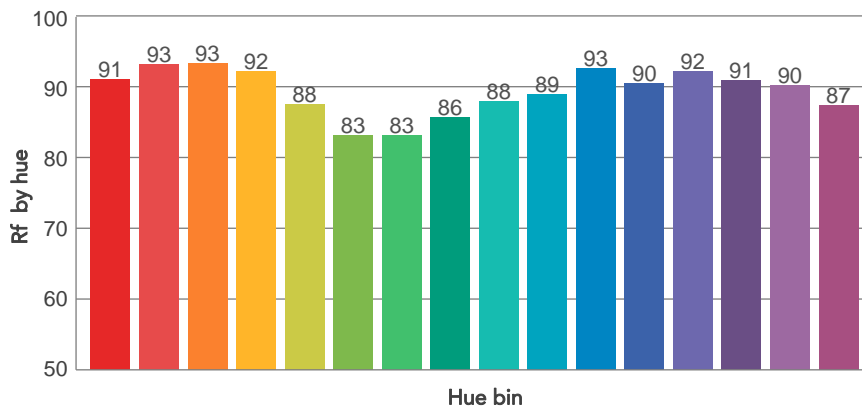
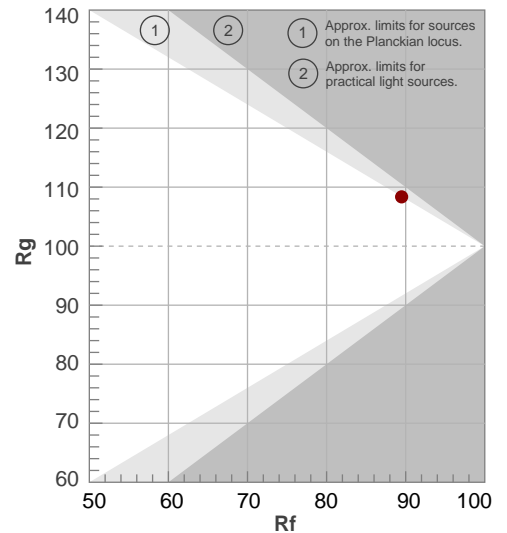
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3869 K	90,8	80,8	89,5	108,4	92,6	78	0,386	0,379	-0,0005

# TM30 DETAILS

**Rf 89,5**  
Fidelity index Rf

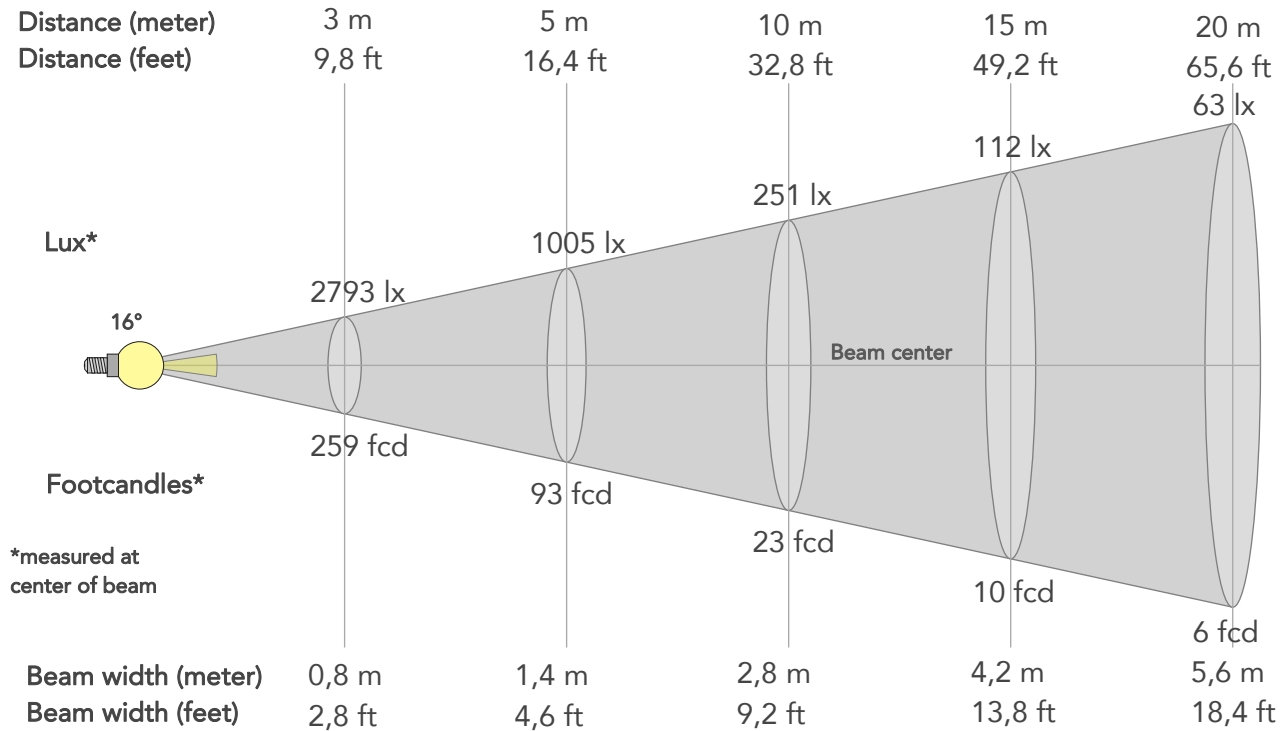
**Rg 108,4**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	3%	-3%
2	93	2%	-2%
3	93	2%	2%
4	92	2%	3%
5	88	6%	5%
6	83	10%	4%
7	83	10%	-2%
8	86	6%	-5%
9	88	2%	-8%
10	89	-2%	-6%
11	93	-1%	3%
12	90	3%	4%
13	92	4%	2%
14	91	7%	2%
15	90	6%	0%
16	87	6%	-5%



## BEAM DETAILS

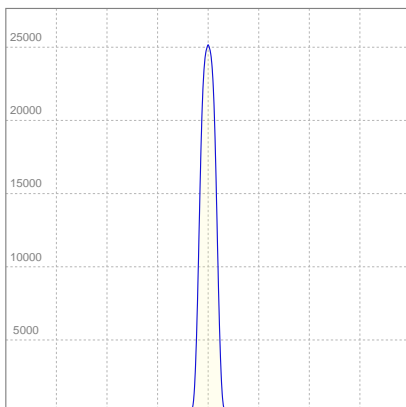
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	23,3°	26,9°	99,6%	99,5%



### 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	25136lx	6284lx	2793lx	1571lx	1005lx	447lx	251lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2335fcd	584fcd	259fcd	146fcd	93fcd	42fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,2m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,8ft	18,4ft	23ft	27,7ft	36,9ft	46,1ft

### LINEAR DISTRIBUTION DIAGRAM

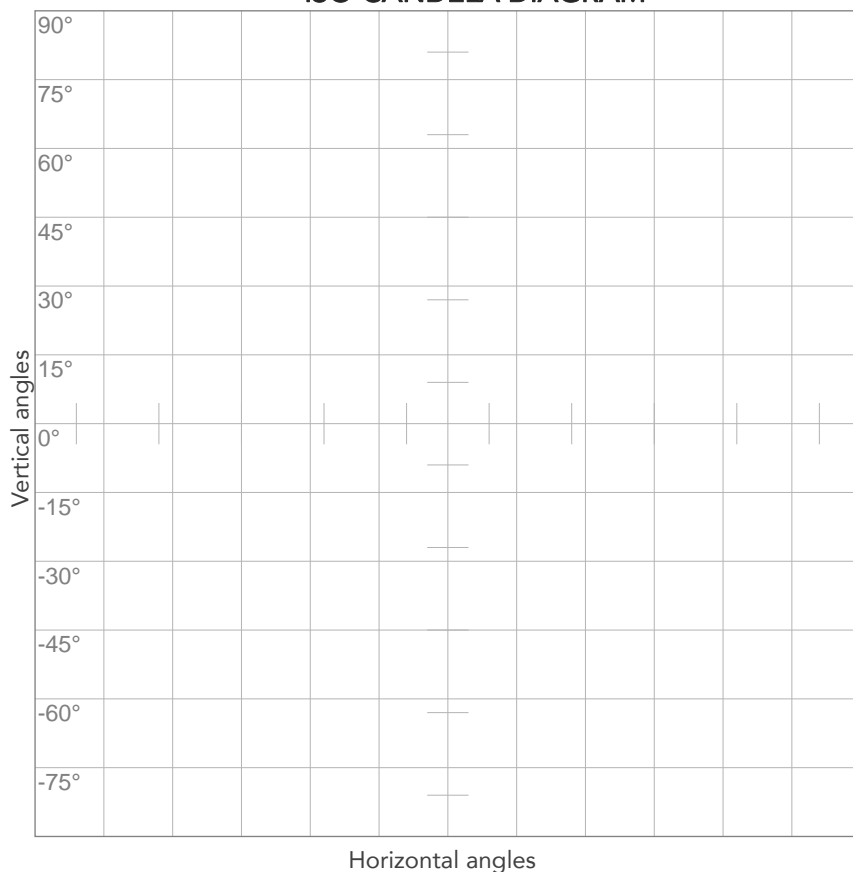


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,645A	127,4W	14lm/W



## ISO CANDELA DIAGRAM



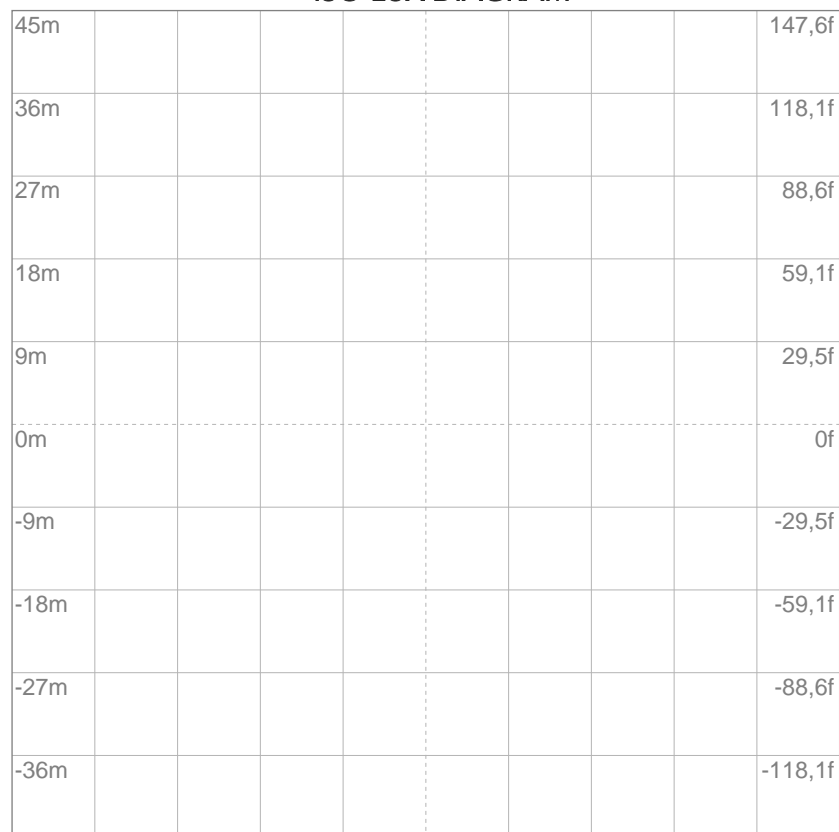
10%	2514 cd
20%	5027 cd
30%	7541 cd
40%	10055 cd
50%	12568 cd
60%	15082 cd
70%	17595 cd
80%	20109 cd

### Conditions:

Number of c-planes: 2

Candela at center: 25136 cd

## ISO LUX DIAGRAM



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

### Conditions:

Number of c-planes: 2

Lux at center: 251 lx

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



Total lumen output:

1591 lm

Peak candela output:

105953 cd

Light quality:

CRI: 90,8

Color temperature:

3864 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

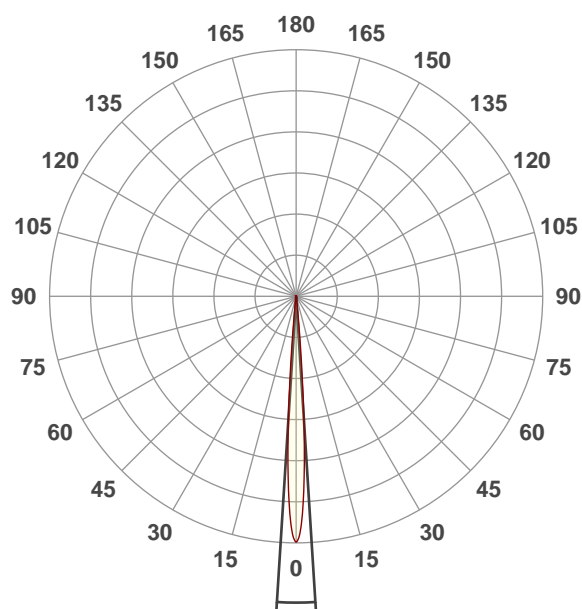
4000K

Operator:

Paolo Carvone

Date and time:

03/03/2020 12:12:39

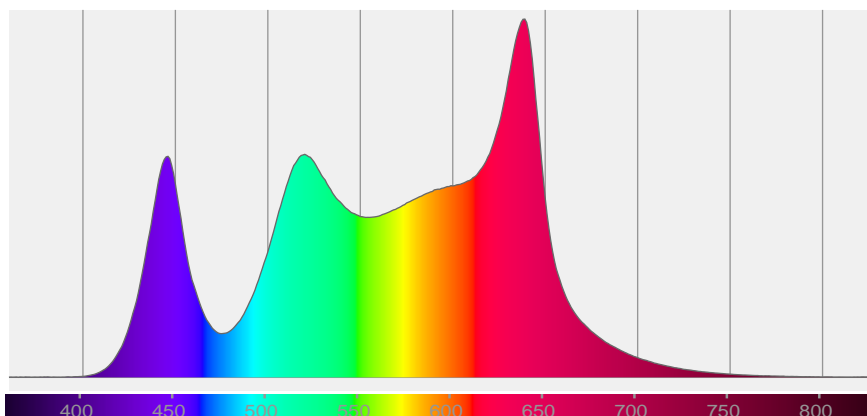


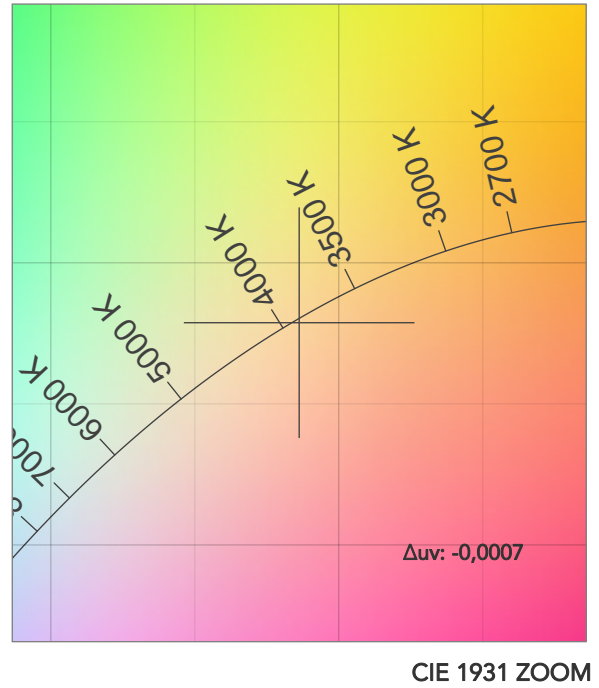
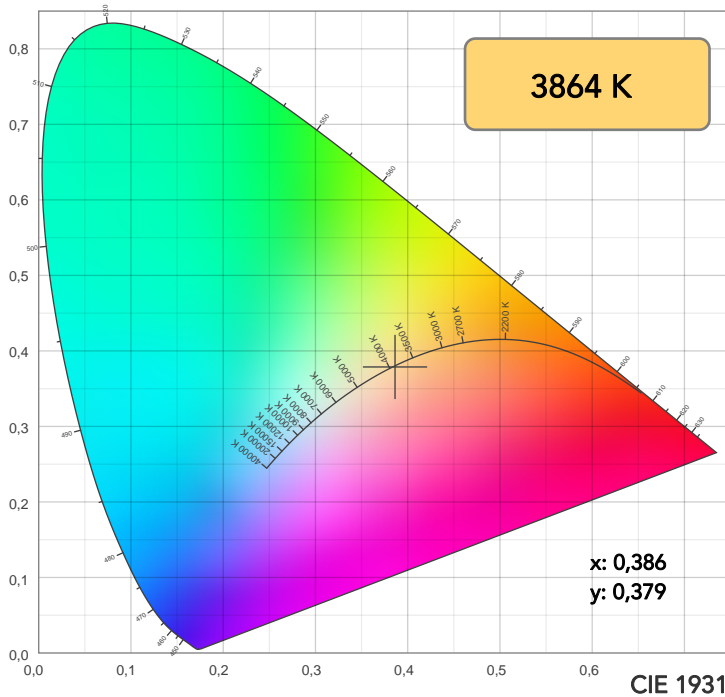
Beam angle 50%: 7,2°

Field angle 10%: 11,4°

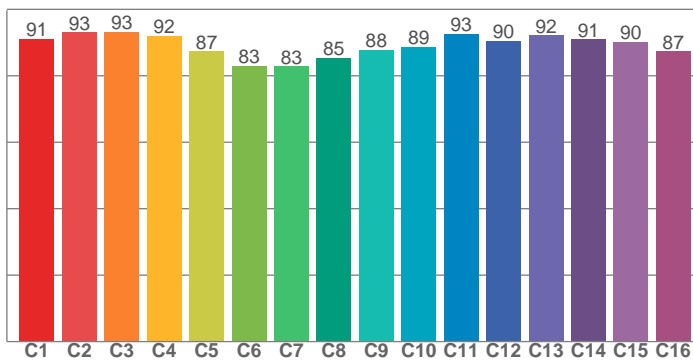
Cut off angle 2.5%: 13,7°

## Spectra

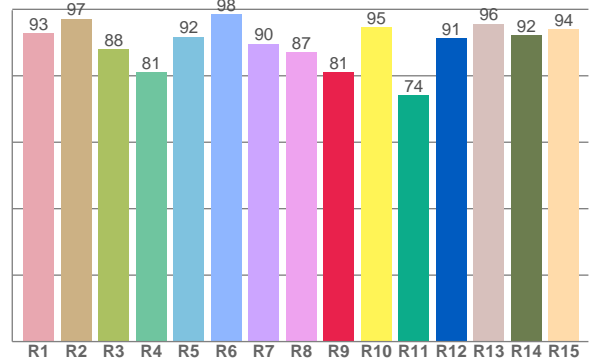




TM30: 89,4



CRI: 90,8 (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
92,9	97,1	87,9	81,2	91,7	98,4	89,7	87,2	81,0	94,6	74,1	91,3	95,6	92,3	94,0

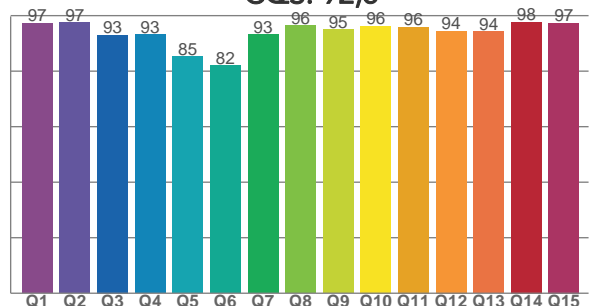
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91,1	93,1	93,1	92,0	87,4	82,9	82,9	85,4	87,8	88,7	92,6	90,5	92,2	90,9	90,2	87,4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97,3	97,4	93,1	93,1	85,2	82,1	93,1	96,4	94,9	96,3	95,9	94,5	94,3	97,7	97,4

CQS: 92,5



## COLOR PARAMETERS

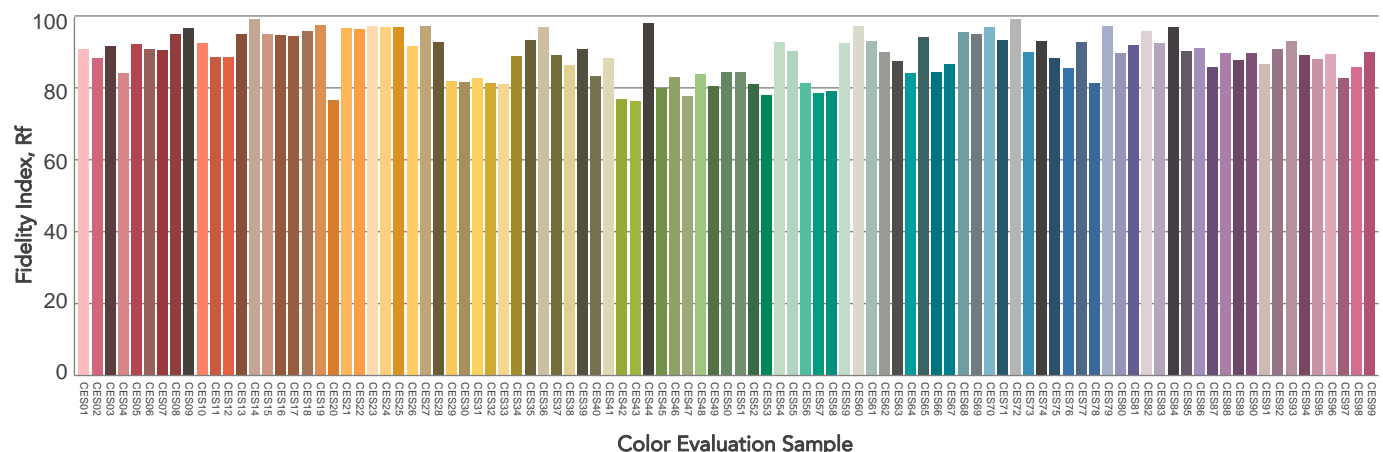
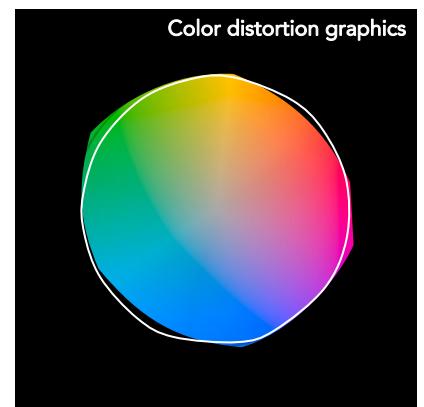
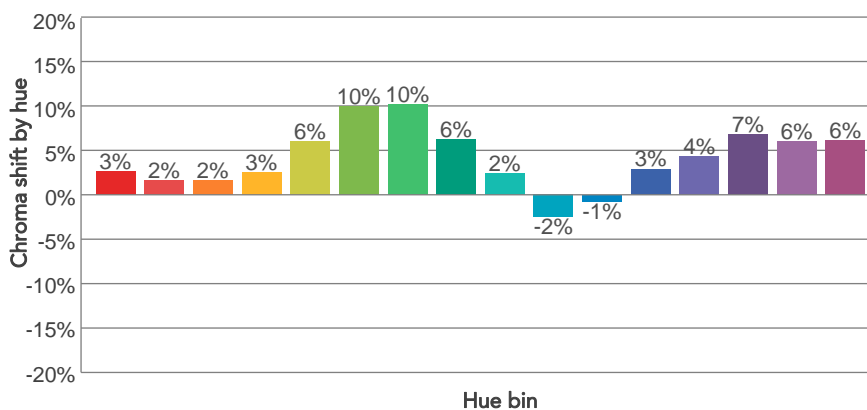
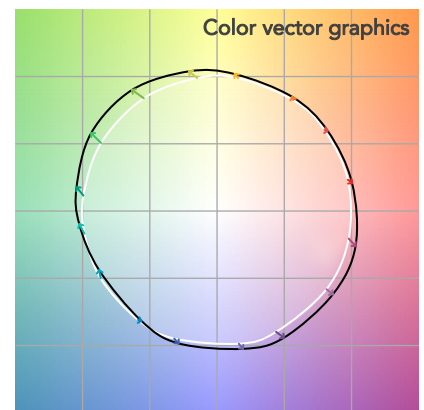
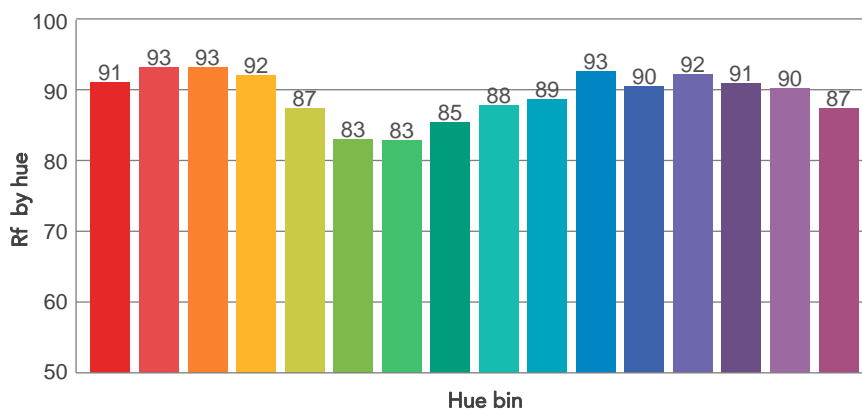
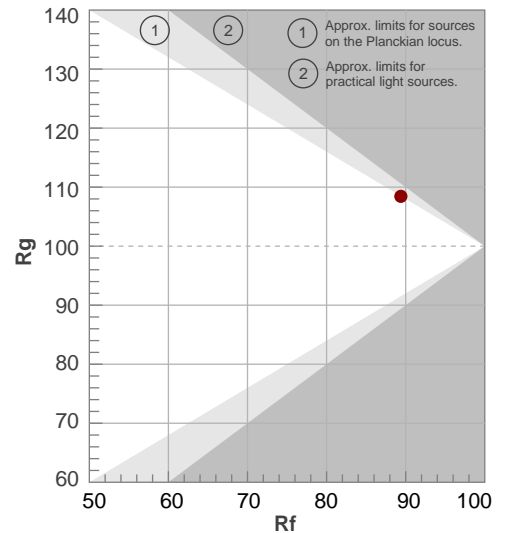
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3864 K	90,8	81,0	89,4	108,4	92,5	77	0,386	0,379	-0,0007

# TM30 DETAILS

**Rf 89,4**  
Fidelity index Rf

**Rg 108,4**  
Gammut index

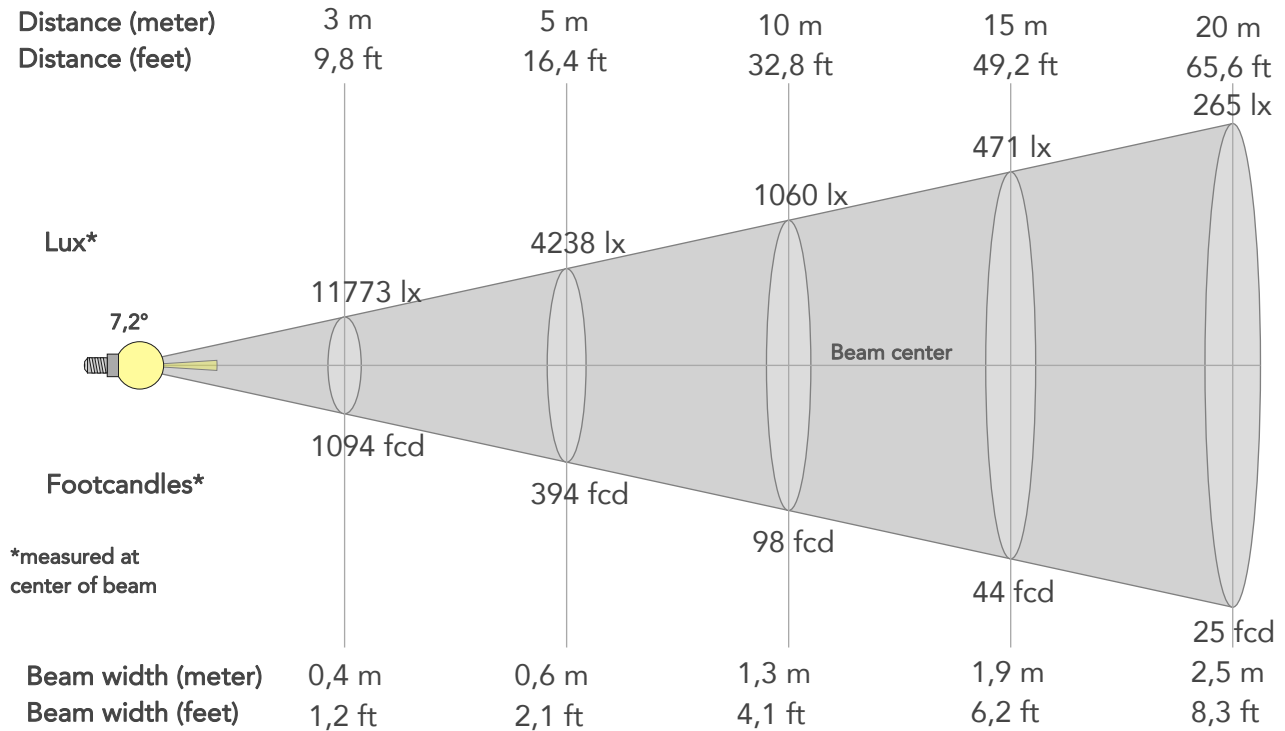
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	3%	-3%
2	93	2%	-2%
3	93	2%	2%
4	92	3%	3%
5	87	6%	5%
6	83	10%	4%
7	83	10%	-2%
8	85	6%	-5%
9	88	2%	-8%
10	89	-2%	-6%
11	93	-1%	2%
12	90	3%	4%
13	92	4%	2%
14	91	7%	2%
15	90	6%	0%
16	87	6%	-5%



## BEAM DETAILS



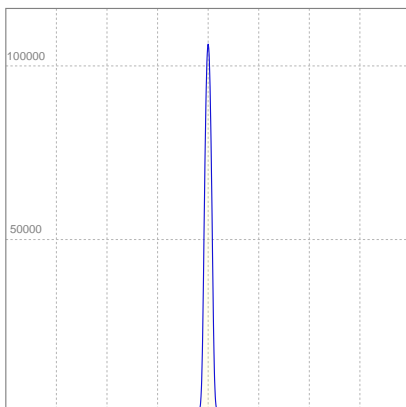
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,4°	13,7°	99,8%	99,7%



### 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	105953lx	26488lx	11773lx	6622lx	4238lx	1884lx	1060lx	471lx	265lx	170lx	118lx	66lx	42lx
Footcand.	9843fcd	2461fcd	1094fcd	615fcd	394fcd	175fcd	98fcd	44fcd	25fcd	16fcd	11fcd	6fcd	4fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,1m	3,8m	5m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,6ft	2,1ft	3,1ft	4,1ft	6,2ft	8,3ft	10,3ft	12,4ft	16,5ft	20,6ft

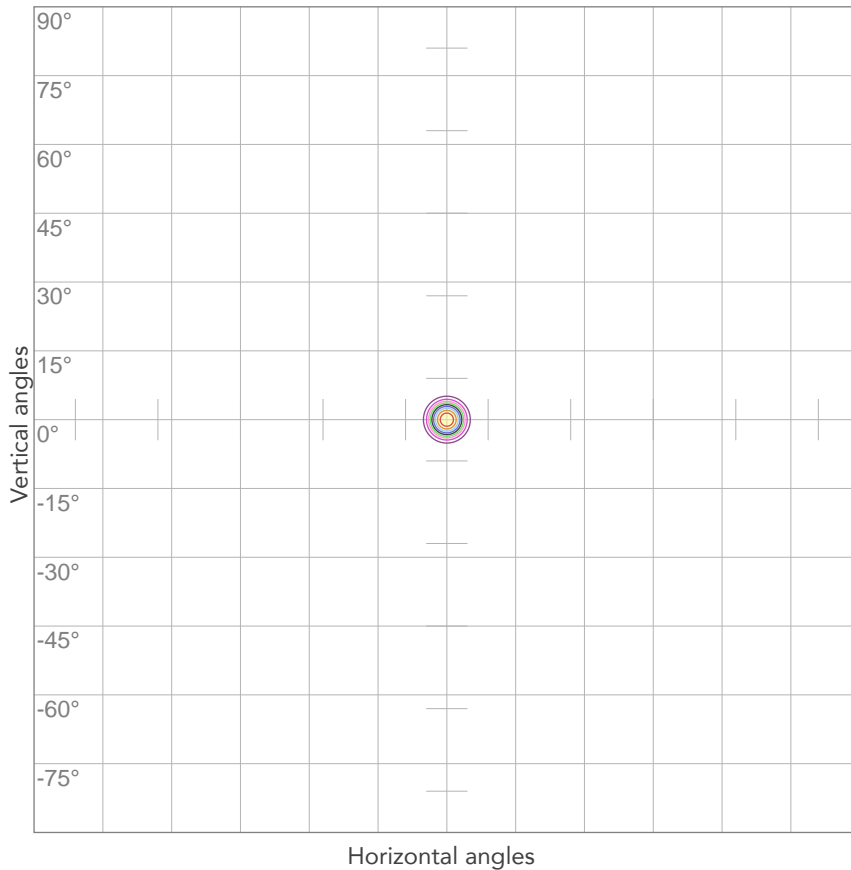
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,644A	128,2W	12lm/W

## ISO CANDELA DIAGRAM



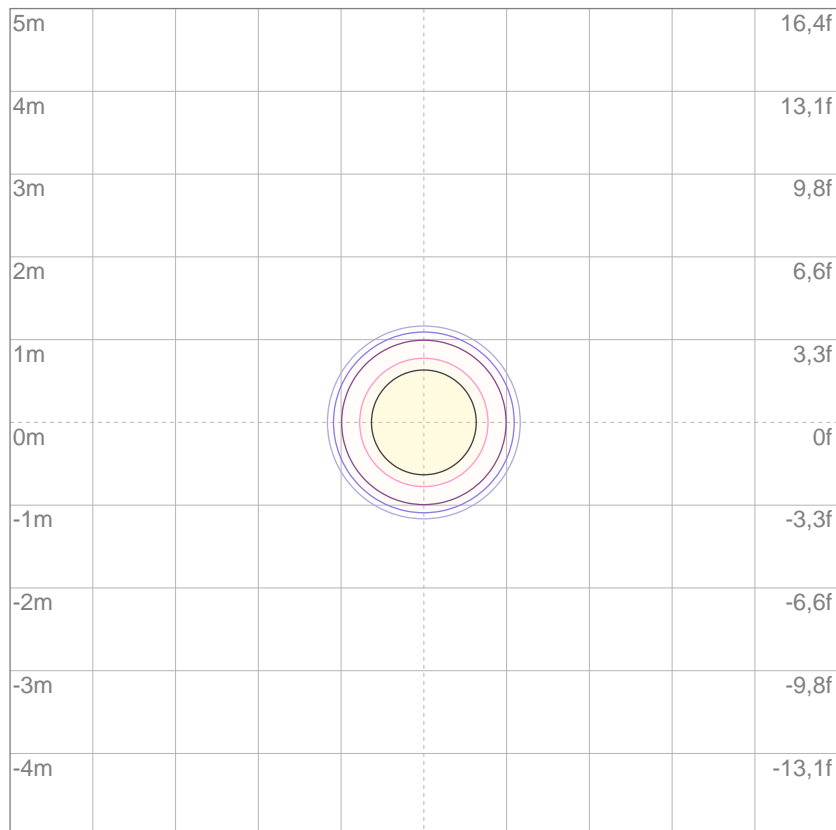
10%	10595 cd
20%	21191 cd
30%	31786 cd
40%	42381 cd
50%	52977 cd
60%	63572 cd
70%	74167 cd
80%	84762 cd

### Conditions:

Number of c-planes: 2

Candela at center: 105953 cd

## ISO LUX DIAGRAM



3%	31,8 lx
5%	53,0 lx
10%	106 lx
30%	318 lx
50%	530 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1060 lx

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



Total lumen output:

1902 lm

Peak candela output:

8229 cd

Light quality:

CRI: 88,6

Color temperature:

5342 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

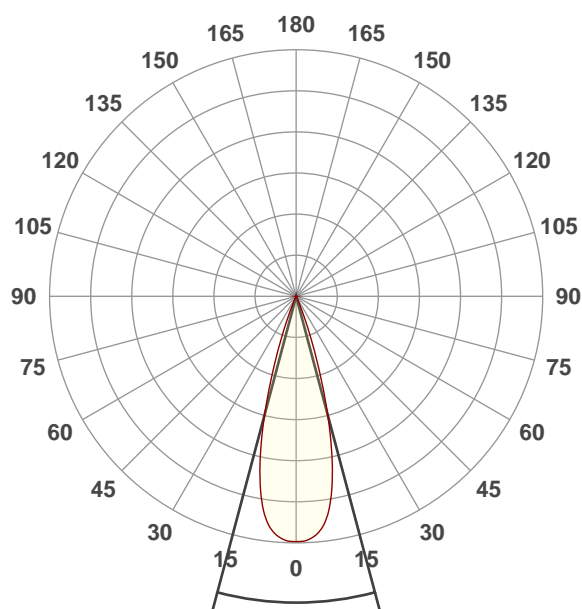
5600K

Operator:

Paolo Carvone

Date and time:

03/03/2020 11:59:53

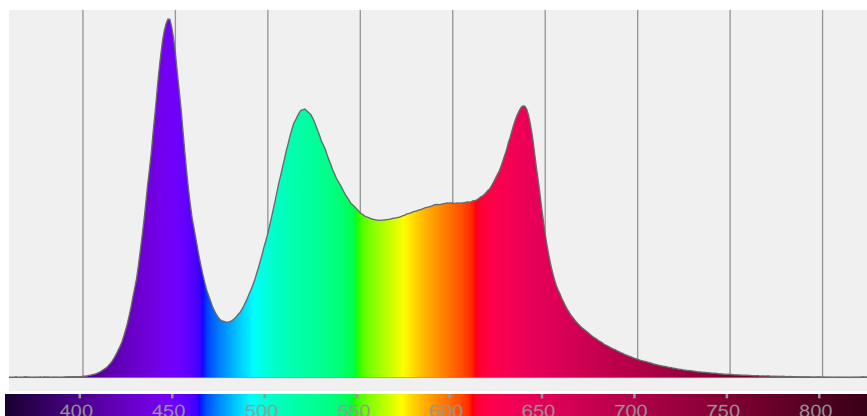


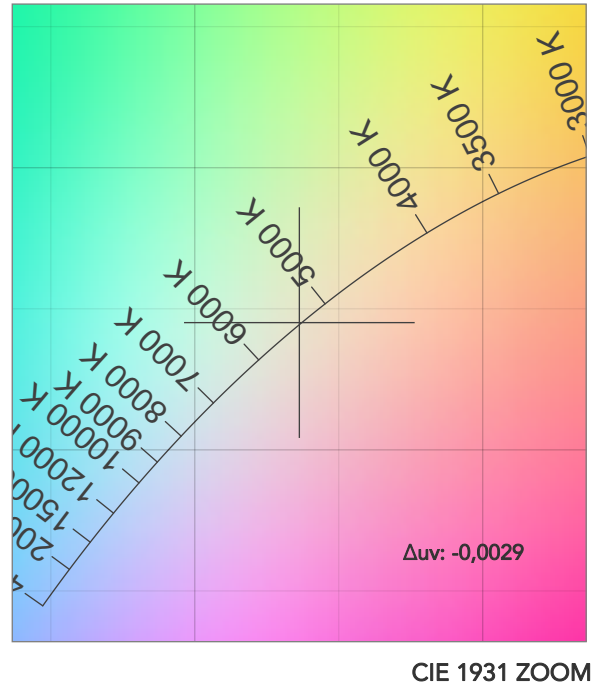
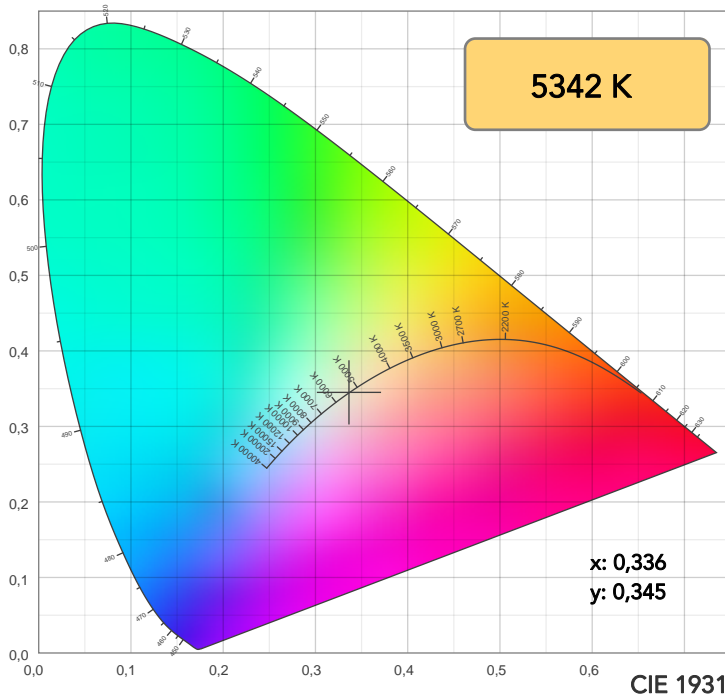
Beam angle 50%: 29,8°

Field angle 10%: 42,1°

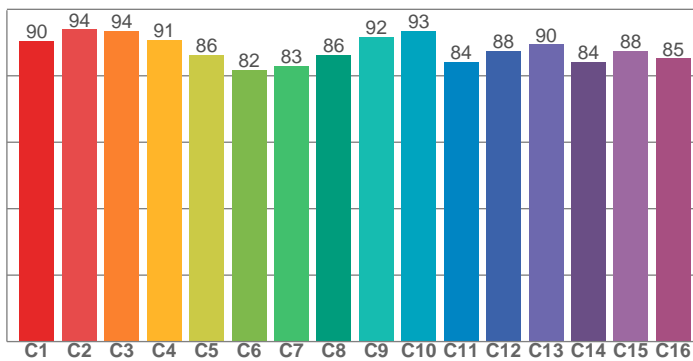
Cut off angle 2.5%: 47,8°

## Spectra

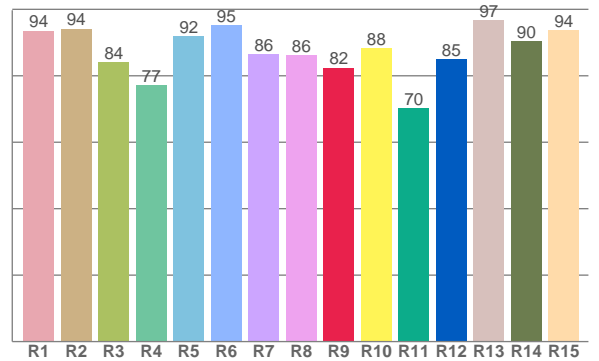




TM30: 88,1



CRI: 88,6 (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
93,5	94,1	84,1	77,1	92,0	95,2	86,4	86,1	82,5	88,3	70,3	85,0	96,8	90,5	93,6

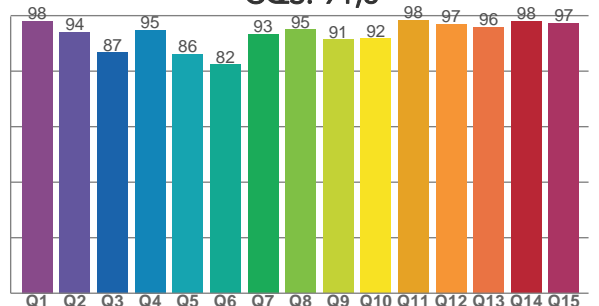
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,5	94,0	93,5	90,8	86,3	81,7	83,0	86,3	91,7	93,4	84,1	87,6	89,5	84,2	87,6	85,2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	94,1	86,7	94,8	86,1	82,3	93,5	95,0	91,4	91,8	98,4	97,0	95,9	98,0	97,2

CQS: 91,8



## 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
5342 K	88,6	82,5	88,1	108,6	91,8	79	0,336	0,345	-0,0029

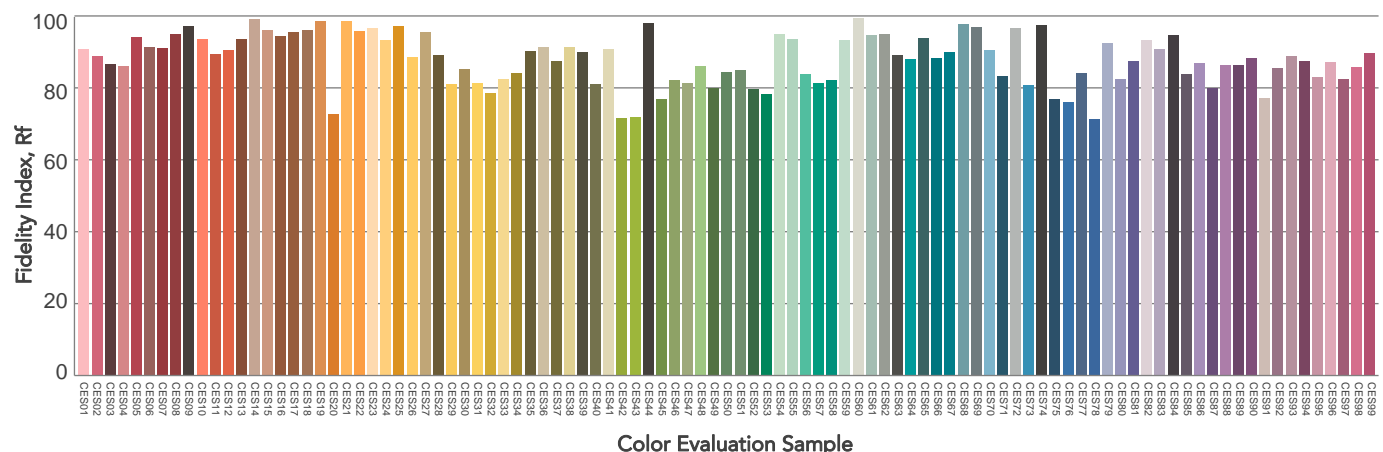
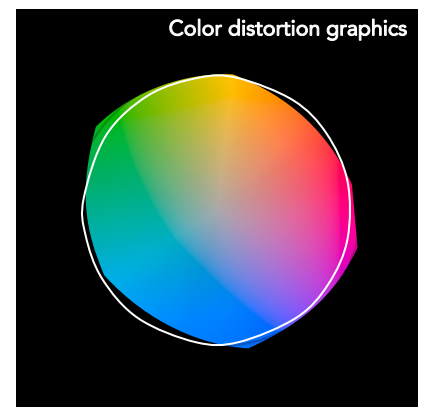
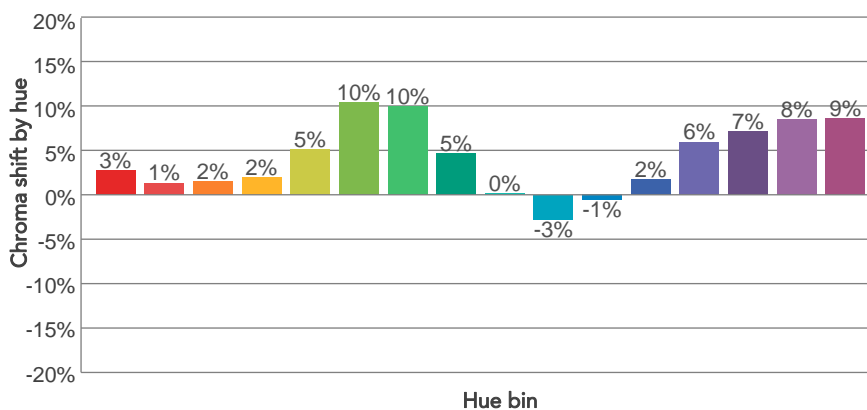
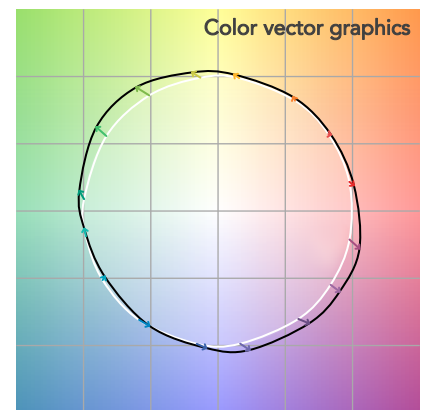
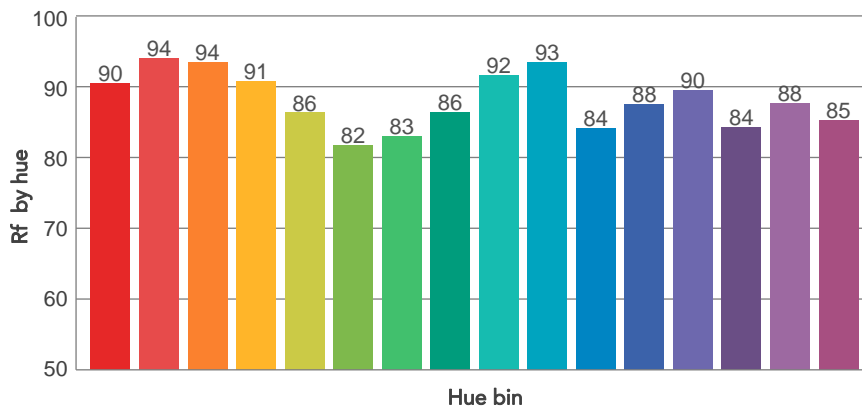
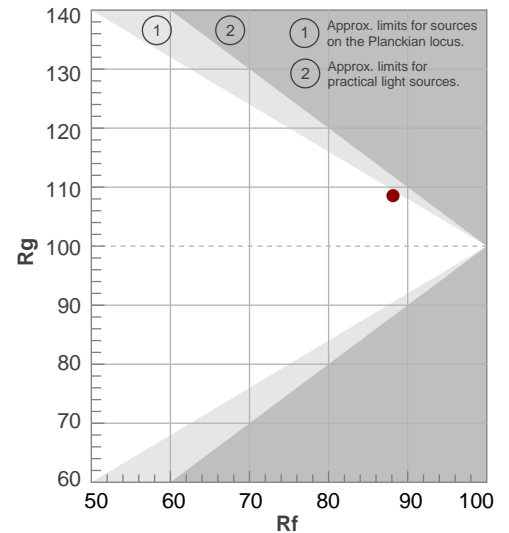


# TM30 DETAILS

**Rf 88,1**  
Fidelity index Rf

**Rg 108,6**  
Gammut index

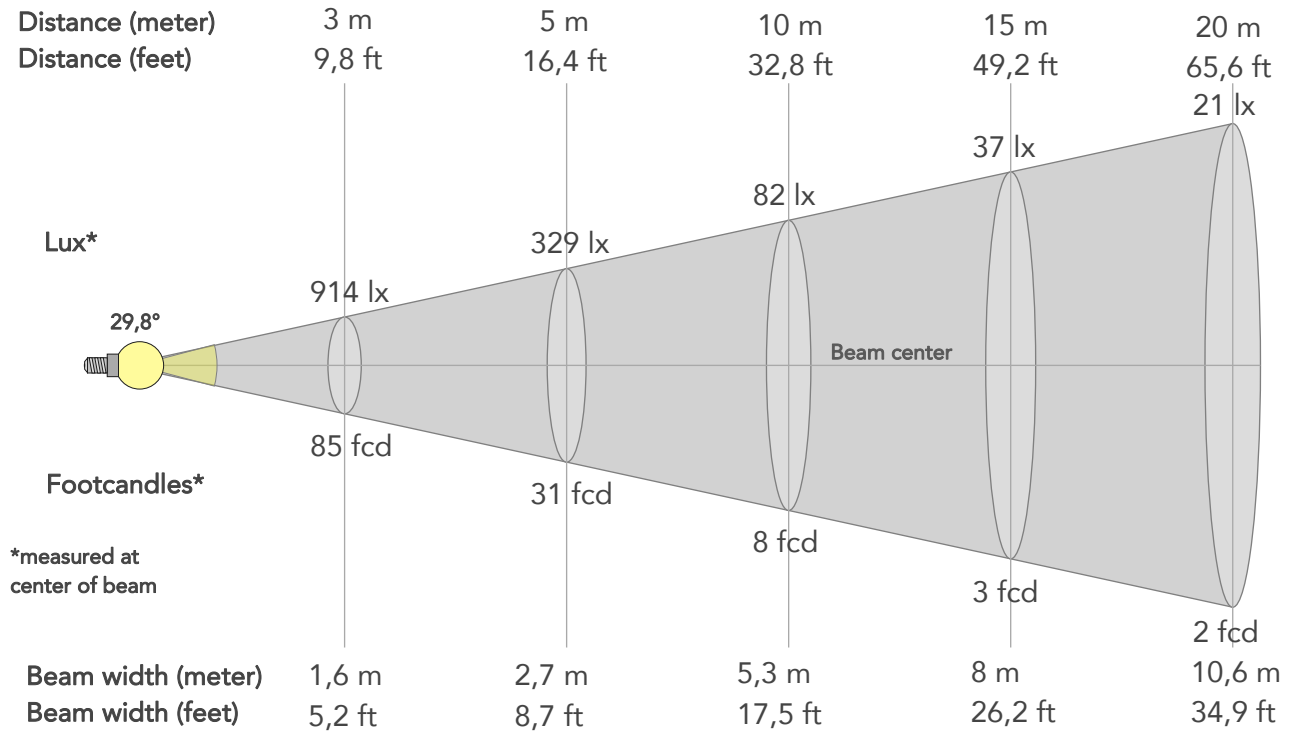
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	3%	-3%
2	94	1%	-1%
3	94	2%	3%
4	91	2%	4%
5	86	5%	5%
6	82	10%	5%
7	83	10%	-1%
8	86	5%	-5%
9	92	0%	-6%
10	93	-3%	-1%
11	84	-1%	9%
12	88	2%	8%
13	90	6%	6%
14	84	7%	5%
15	88	8%	0%
16	85	9%	-5%



## BEAM DETAILS



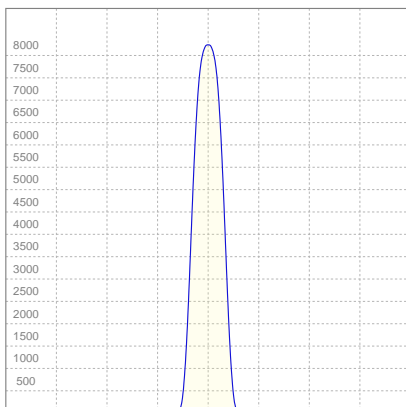
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,8°	42,1°	47,8°	99,7%	99,6%



### 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	8229lx	2057lx	914lx	514lx	329lx	146lx	82lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	765fcd	191fcd	85fcd	48fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,6m	13,3m	16m	21,3m	26,6m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,7ft	13,1ft	17,5ft	26,2ft	34,9ft	43,6ft	52,4ft	69,8ft	87,3ft

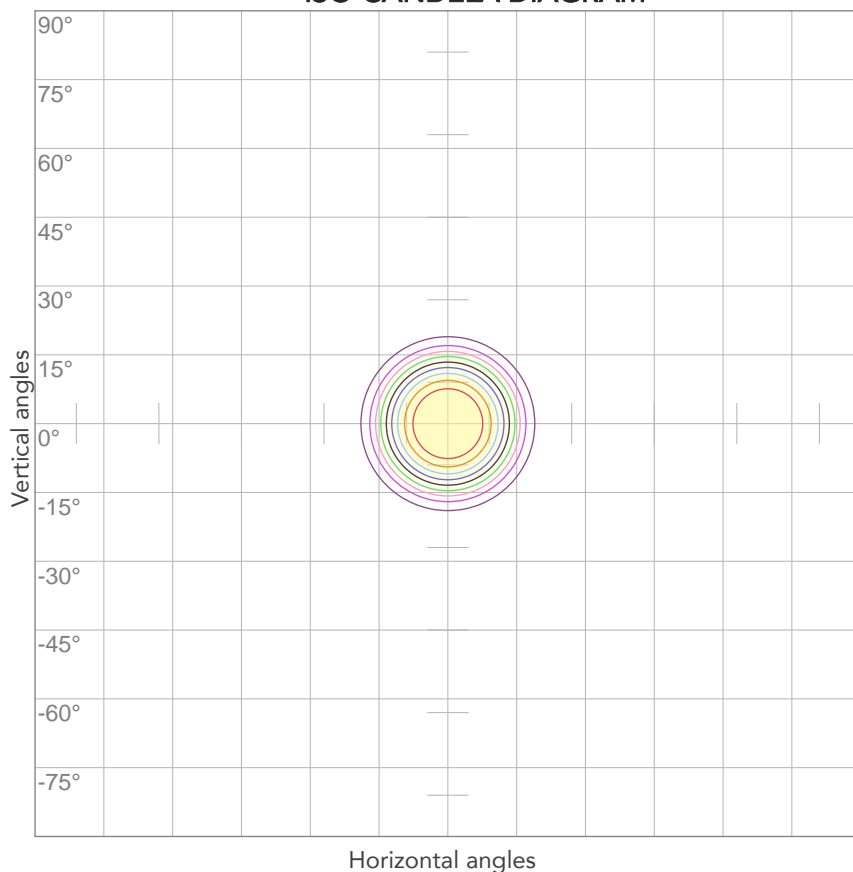
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,702A	141,4W	13lm/W

## ISO CANDELA DIAGRAM



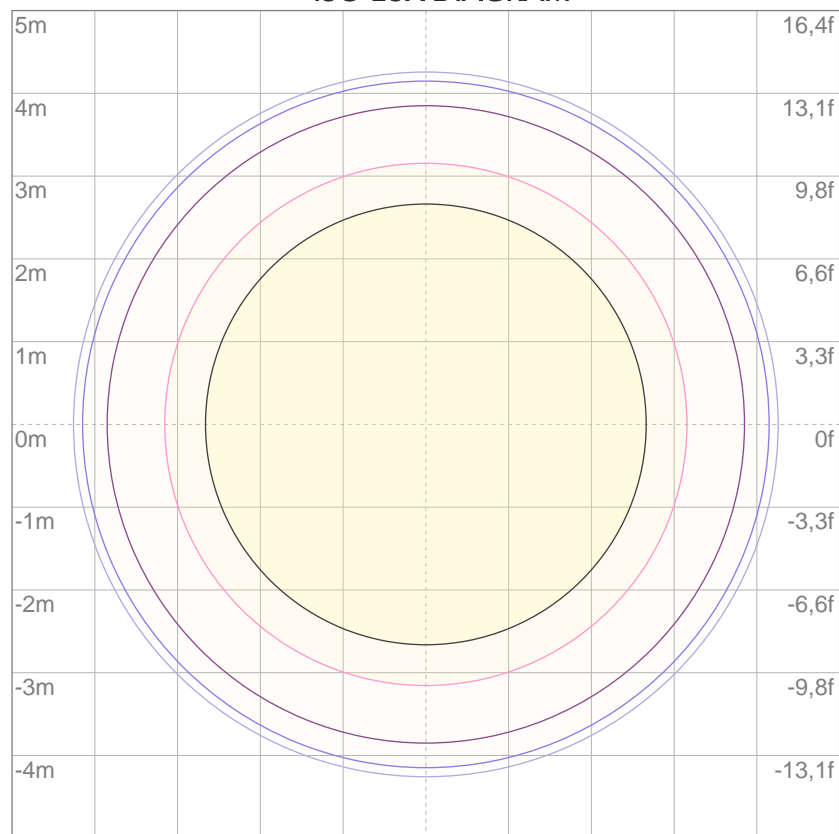
10%	823 cd
20%	1646 cd
30%	2469 cd
40%	3292 cd
50%	4115 cd
60%	4938 cd
70%	5760 cd
80%	6583 cd

### Conditions:

Number of c-planes: 2

Candela at center: 8229 cd

## ISO LUX DIAGRAM



3%	2,47 lx
5%	4,11 lx
10%	8,23 lx
30%	24,7 lx
50%	41,1 lx

### Conditions:

Number of c-planes: 2

Lux at center: 82,3 lx

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



Total lumen output:

1898 lm

Peak candela output:

27267 cd

Light quality:

CRI: 88,4

Color temperature:

5373 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

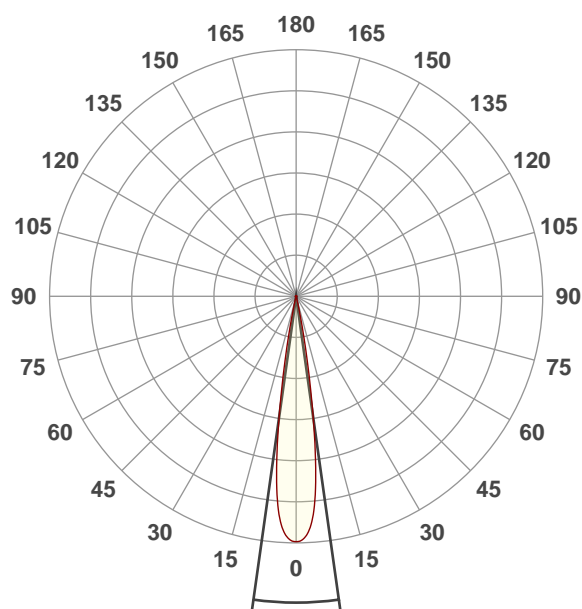
5600K

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:36:52

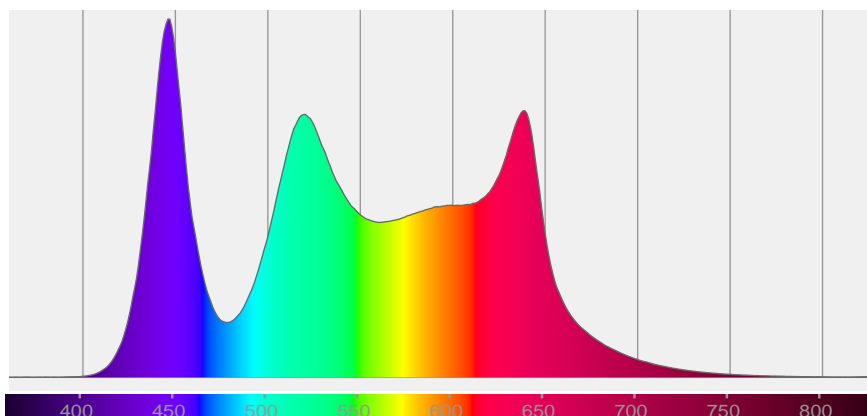


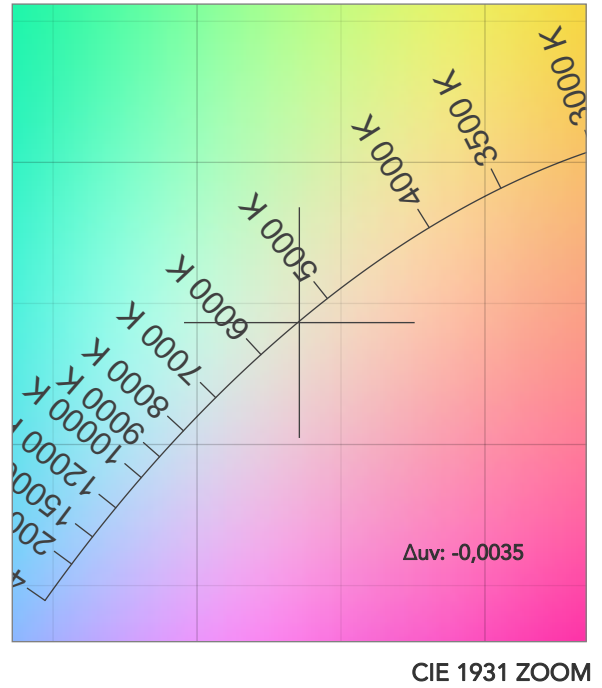
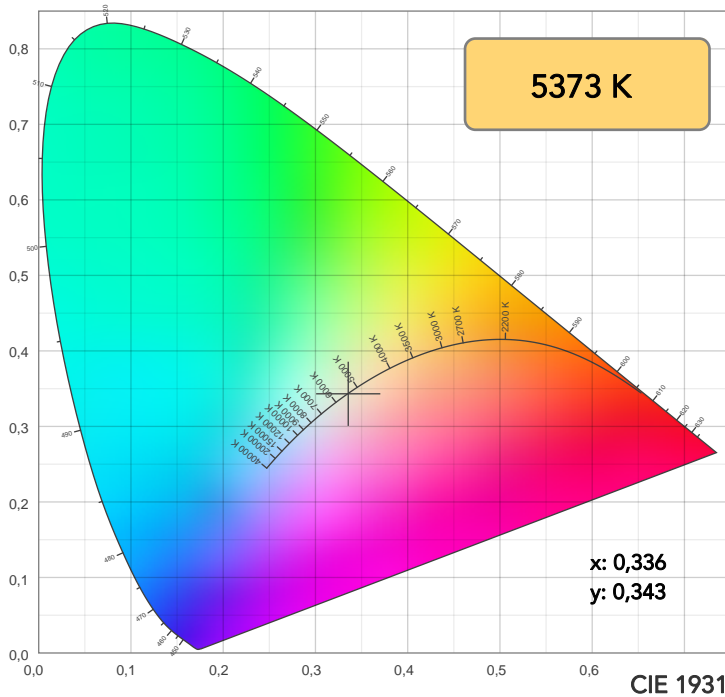
Beam angle 50%: 16°

Field angle 10%: 23,3°

Cut off angle 2.5%: 26,9°

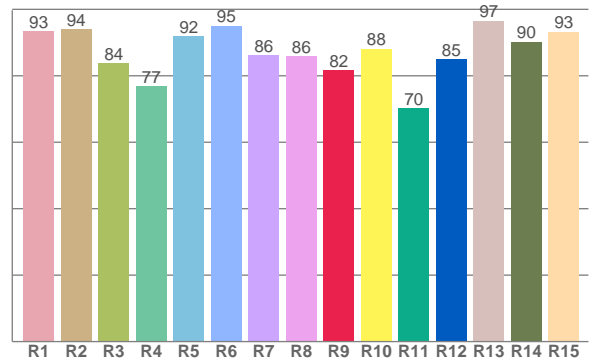
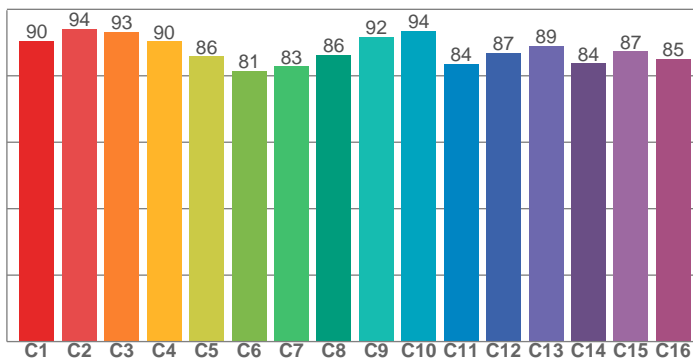
## Spectra





TM30: 87,9

CRI: 88,4 (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
93,4	94,1	83,8	77,0	92,0	95,0	86,3	85,8	81,6	88,1	70,2	84,9	96,6	90,3	93,3

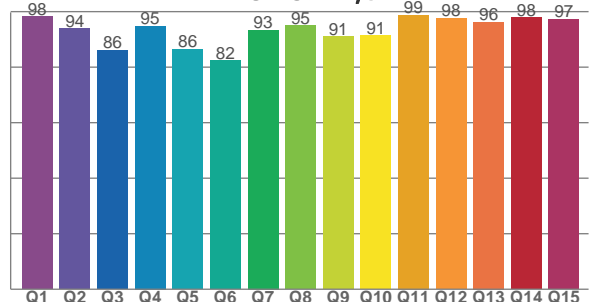
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,4	94,1	93,1	90,3	85,9	81,4	82,9	86,3	91,7	93,5	83,6	86,9	89,0	83,8	87,3	85,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,3	93,8	86,0	94,8	86,4	82,4	93,5	95,0	91,1	91,3	98,8	97,6	96,3	97,9	97,3

CQS: 91,8



## COLOR PARAMETERS

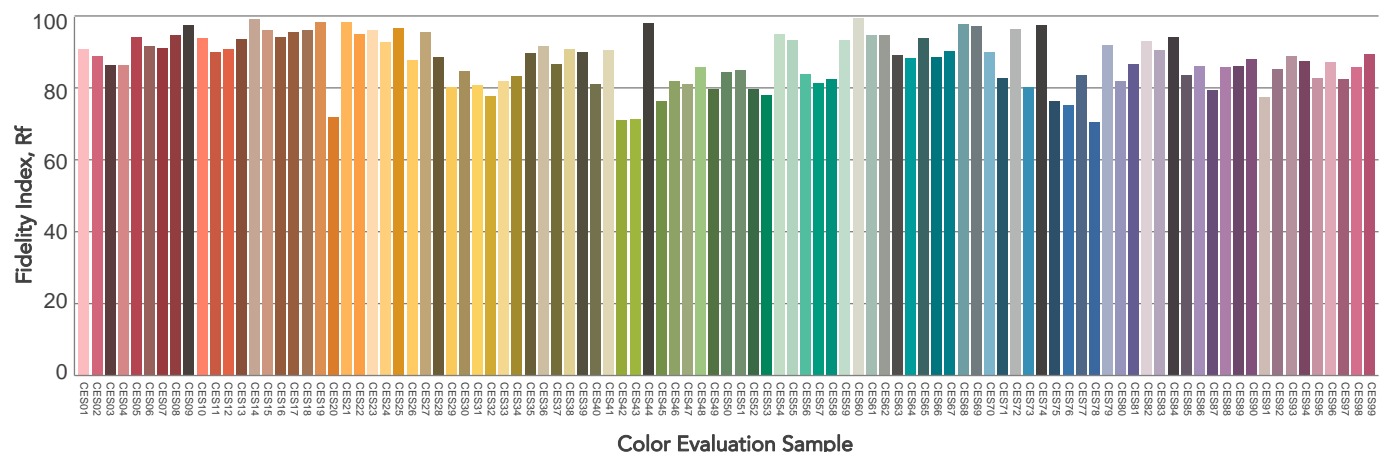
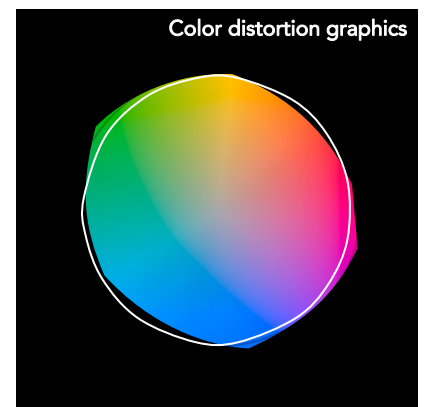
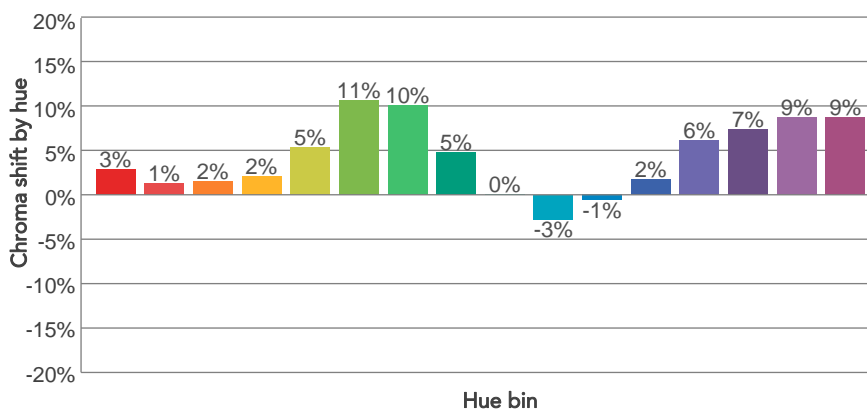
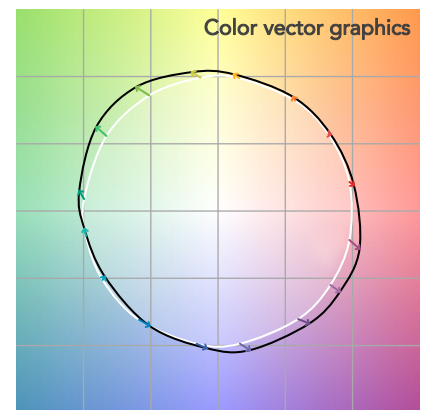
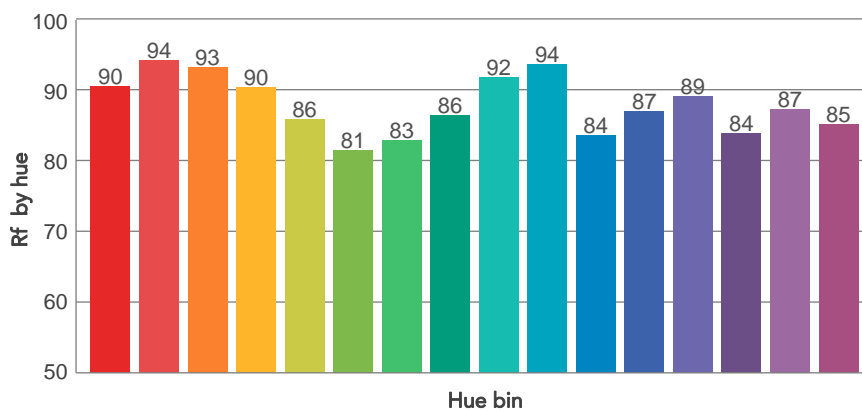
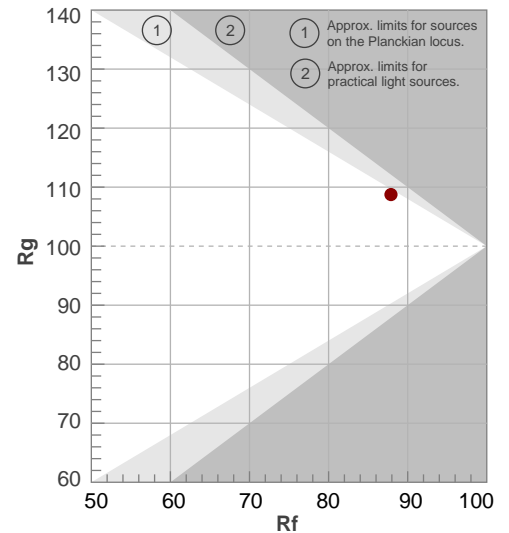
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5373 K	88,4	81,6	87,9	108,7	91,8	80	0,336	0,343	-0,0035

# TM30 DETAILS

**Rf 87,9**  
Fidelity index Rf

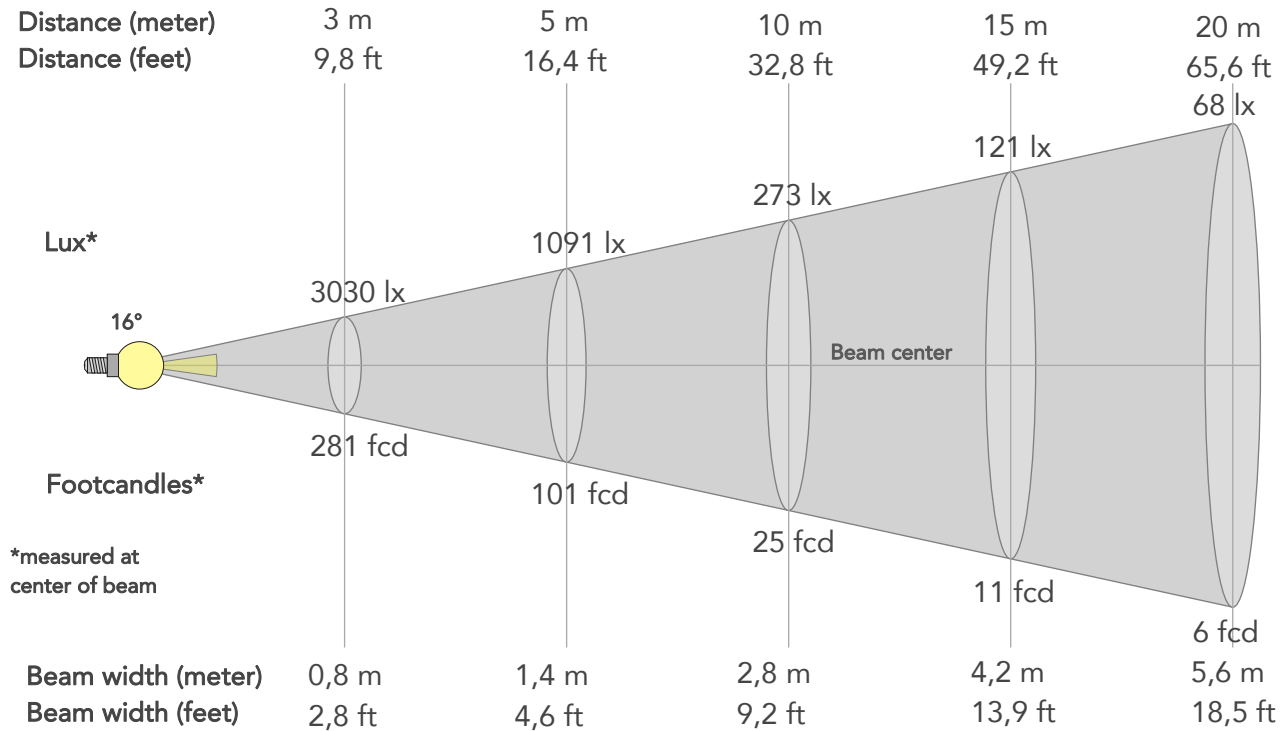
**Rg 108,7**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	3%	-3%
2	94	1%	-1%
3	93	2%	3%
4	90	2%	5%
5	86	5%	6%
6	81	11%	5%
7	83	10%	-1%
8	86	5%	-5%
9	92	0%	-6%
10	94	-3%	-1%
11	84	-1%	9%
12	87	2%	8%
13	89	6%	6%
14	84	7%	5%
15	87	9%	0%
16	85	9%	-5%



## BEAM DETAILS

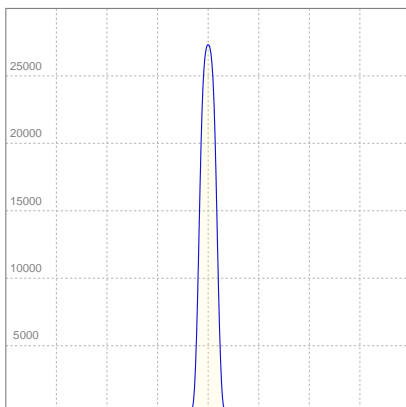
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	23,3°	26,9°	99,5%	99,4%



### 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	27267lx	6817lx	3030lx	1704lx	1091lx	485lx	273lx	121lx	68lx	44lx	30lx	17lx	11lx
Footcand.	2533fcd	633fcd	281fcd	158fcd	101fcd	45fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,3m	14,1m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,9ft	18,5ft	23,1ft	27,7ft	36,9ft	46,2ft

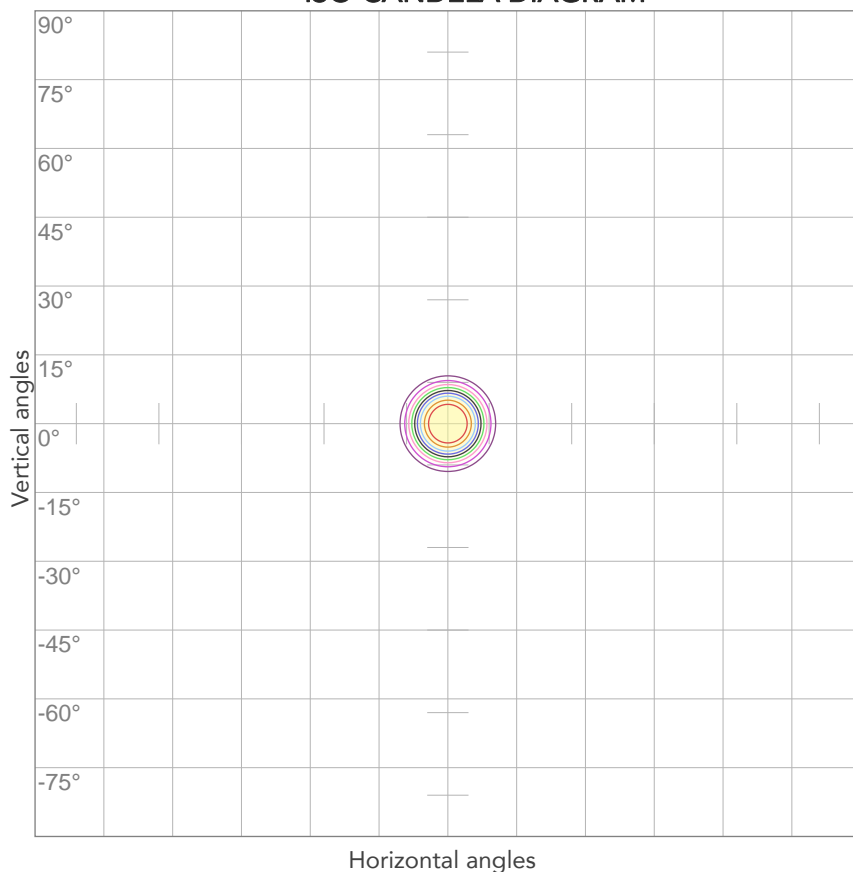
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,701A	139,7W	14lm/W

## ISO CANDELA DIAGRAM



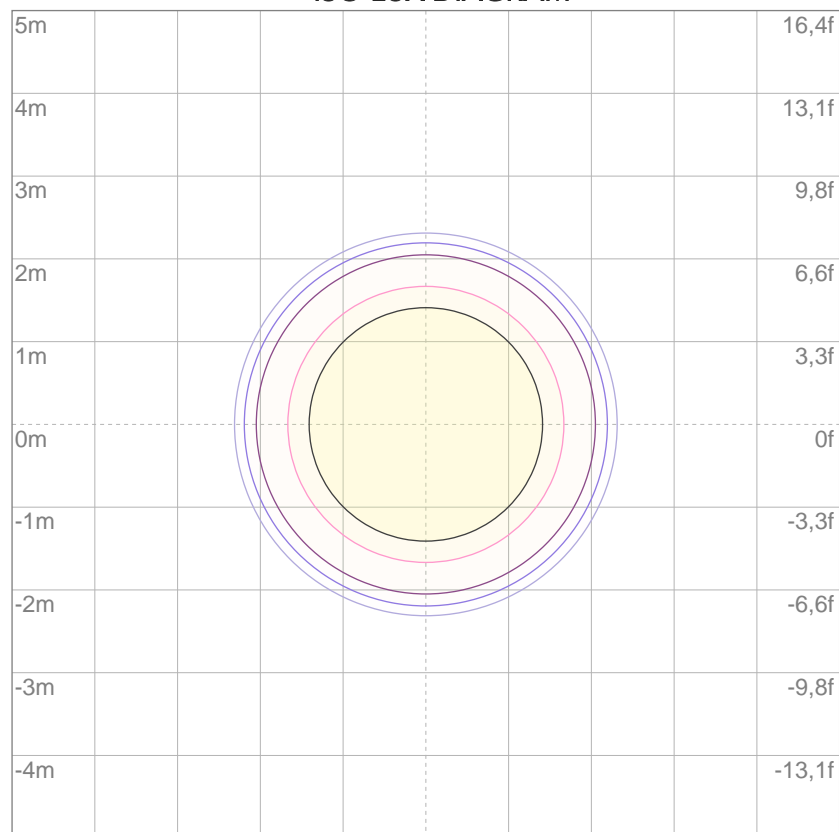
10%	2727 cd
20%	5453 cd
30%	8180 cd
40%	10907 cd
50%	13634 cd
60%	16360 cd
70%	19087 cd
80%	21814 cd

### Conditions:

Number of c-planes: 2

Candela at center: 27267 cd

## ISO LUX DIAGRAM



3%	8,18 lx
5%	13,6 lx
10%	27,3 lx
30%	81,8 lx
50%	136 lx

### Conditions:

Number of c-planes: 2

Lux at center: 273 lx

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





Total lumen output:

1731 lm

Peak candela output:

115234 cd

Light quality:

CRI: 88,3

Color temperature:

5374 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

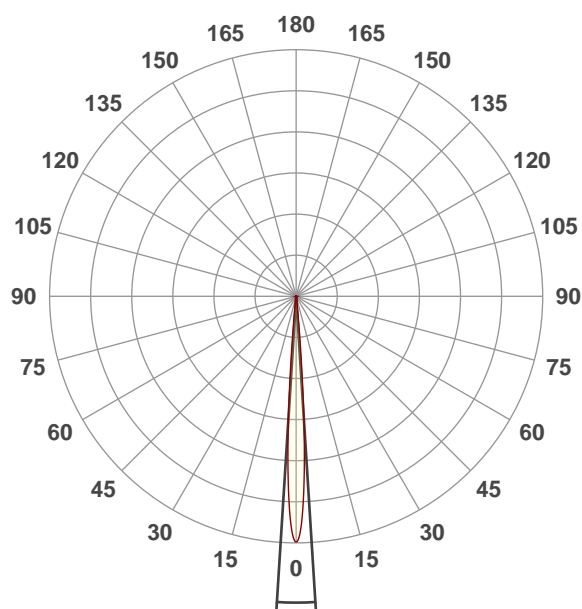
5600K

Operator:

Paolo Carvone

Date and time:

03/03/2020 12:15:02

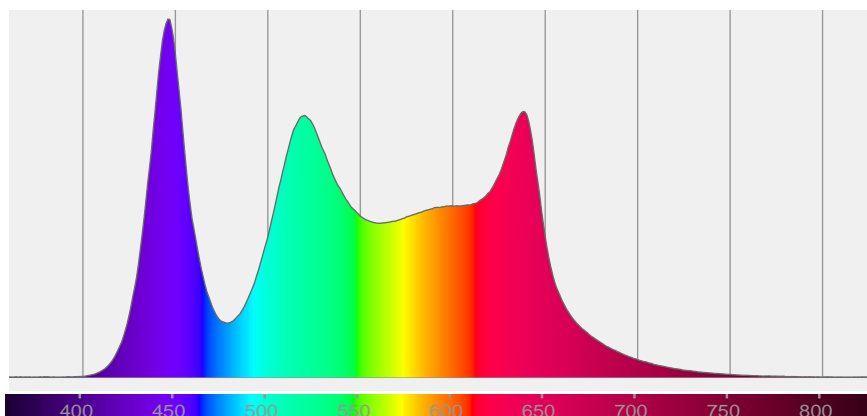


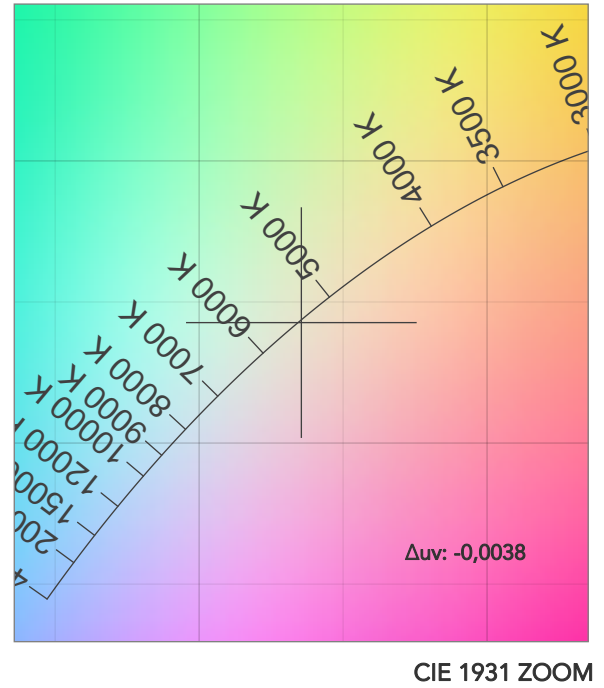
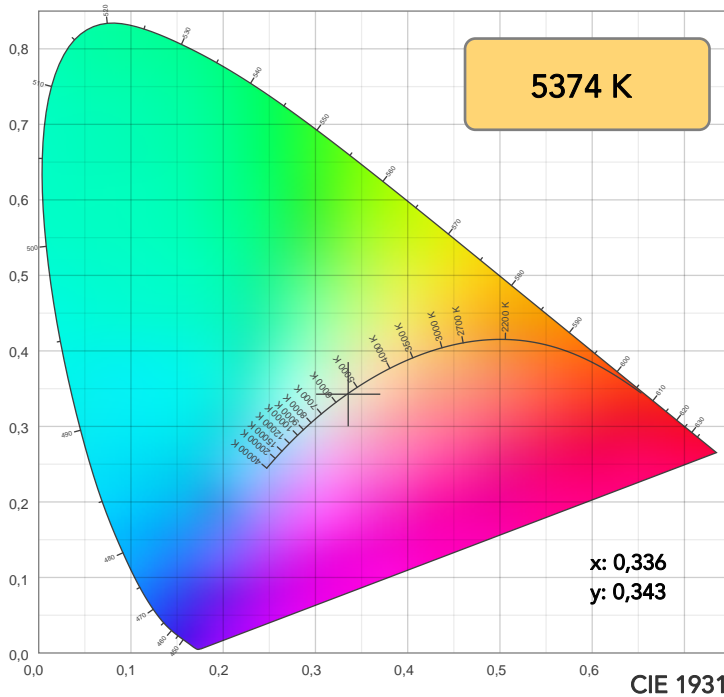
Beam angle 50%: 7,2°

Field angle 10%: 11,3°

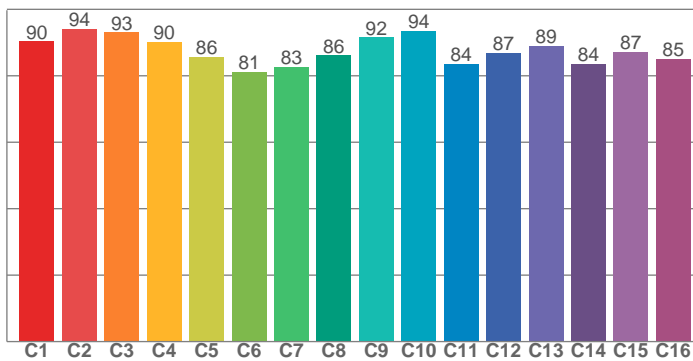
Cut off angle 2.5%: 13,6°

## Spectra

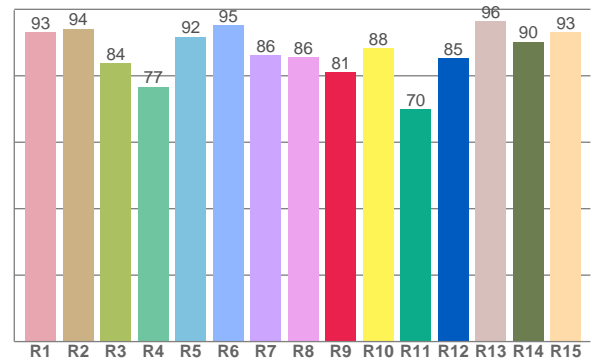




TM30: 87,8



CRI: 88,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,1	94,2	83,8	76,7	91,8	95,2	86,2	85,7	81,2	88,4	69,9	85,3	96,4	90,3	93,0

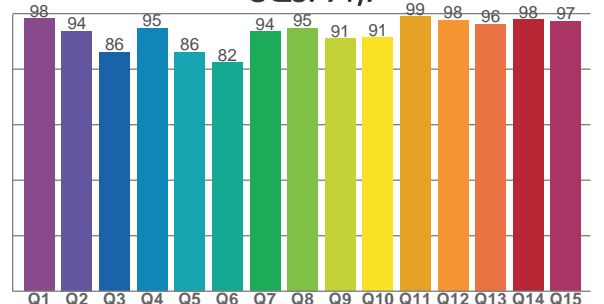
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,3	94,1	93,0	90,2	85,7	81,2	82,6	86,1	91,6	93,5	83,6	86,9	89,0	83,6	87,3	85,1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,2	93,8	86,1	94,8	86,2	82,3	93,5	94,9	91,0	91,3	98,9	97,6	96,3	97,9	97,2

CQS: 91,7



## COLOR PARAMETERS

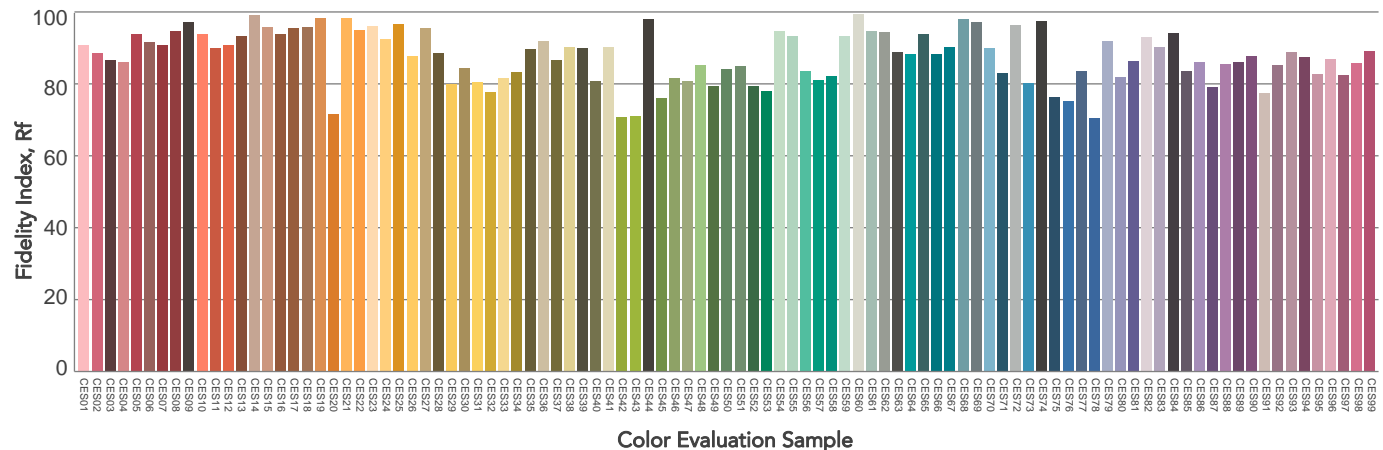
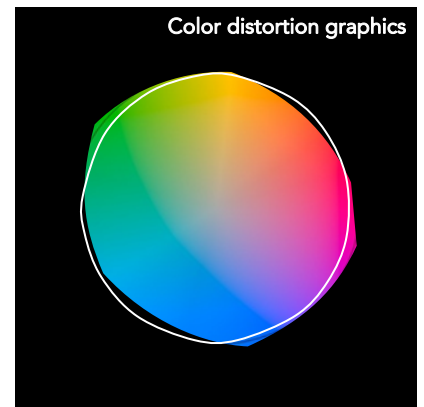
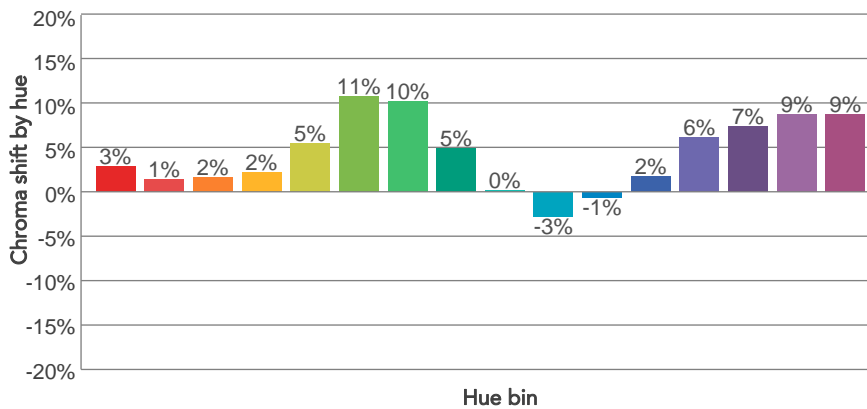
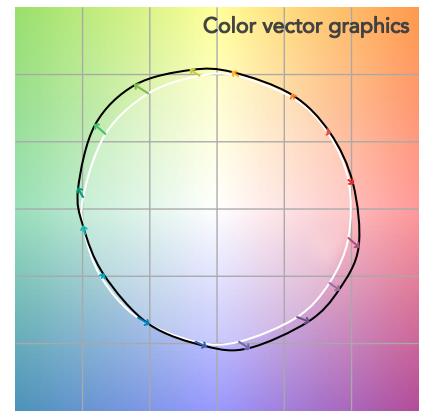
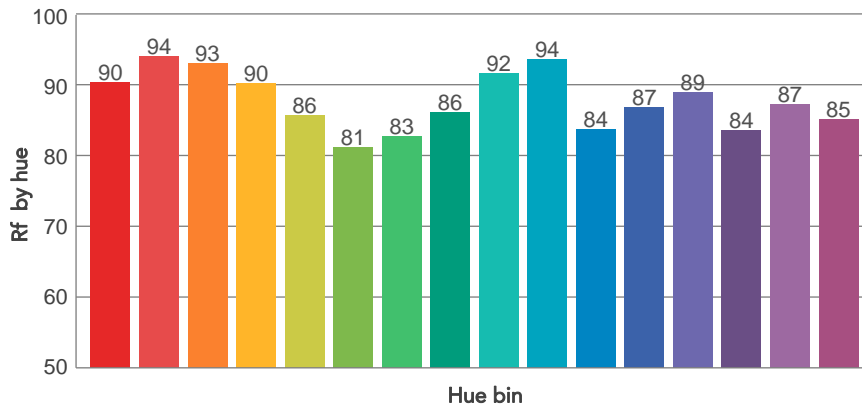
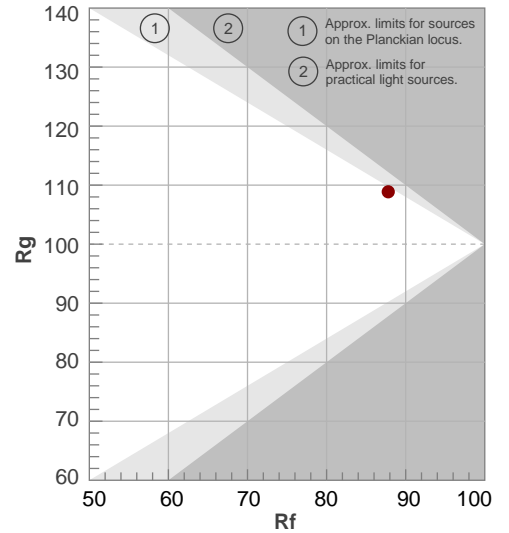
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5374 K	88,3	81,2	87,8	108,9	91,7	79	0,336	0,343	-0,0038

# TM30 DETAILS

**Rf 87,8**  
Fidelity index Rf

**Rg 108,9**  
Gammut index

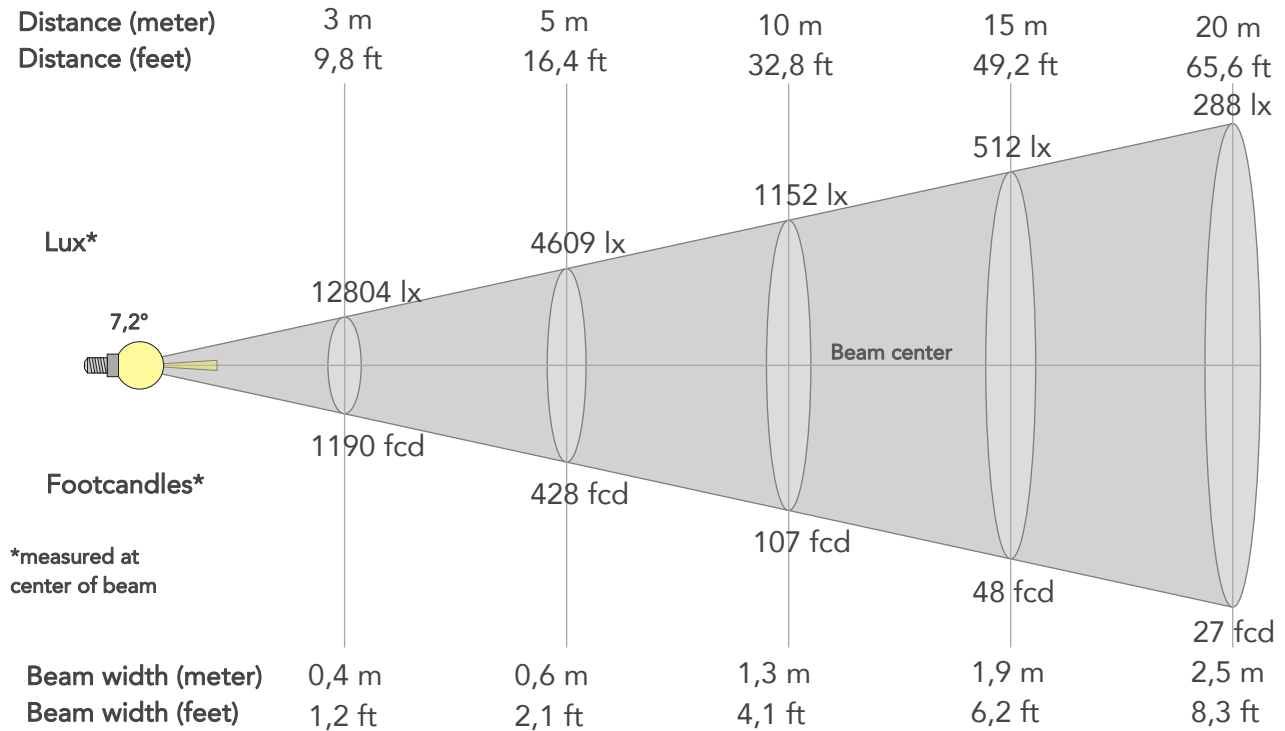
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	3%	-3%
2	94	1%	-1%
3	93	2%	3%
4	90	2%	5%
5	86	5%	6%
6	81	11%	5%
7	83	10%	-1%
8	86	5%	-5%
9	92	0%	-6%
10	94	-3%	-1%
11	84	-1%	9%
12	87	2%	8%
13	89	6%	6%
14	84	7%	5%
15	87	9%	0%
16	85	9%	-5%



## BEAM DETAILS



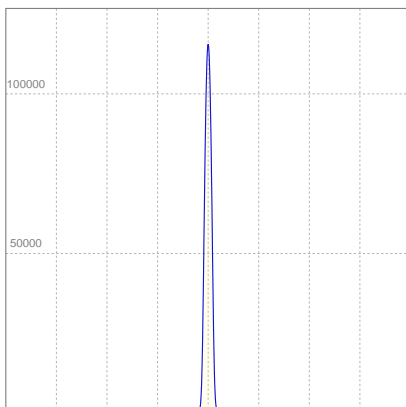
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,2°	11,3°	13,6°	99,6%	99,5%



### 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	115234lx	28808lx	12804lx	7202lx	4609lx	2049lx	1152lx	512lx	288lx	184lx	128lx	72lx	46lx
Footcand.	10706fcd	2676fcd	1190fcd	669fcd	428fcd	190fcd	107fcd	48fcd	27fcd	17fcd	12fcd	7fcd	4fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	0,9m	1,3m	1,9m	2,5m	3,1m	3,8m	5m	6,3m
Beam wid.	0,4ft	0,8ft	1,2ft	1,6ft	2,1ft	3,1ft	4,1ft	6,2ft	8,3ft	10,3ft	12,4ft	16,5ft	20,6ft

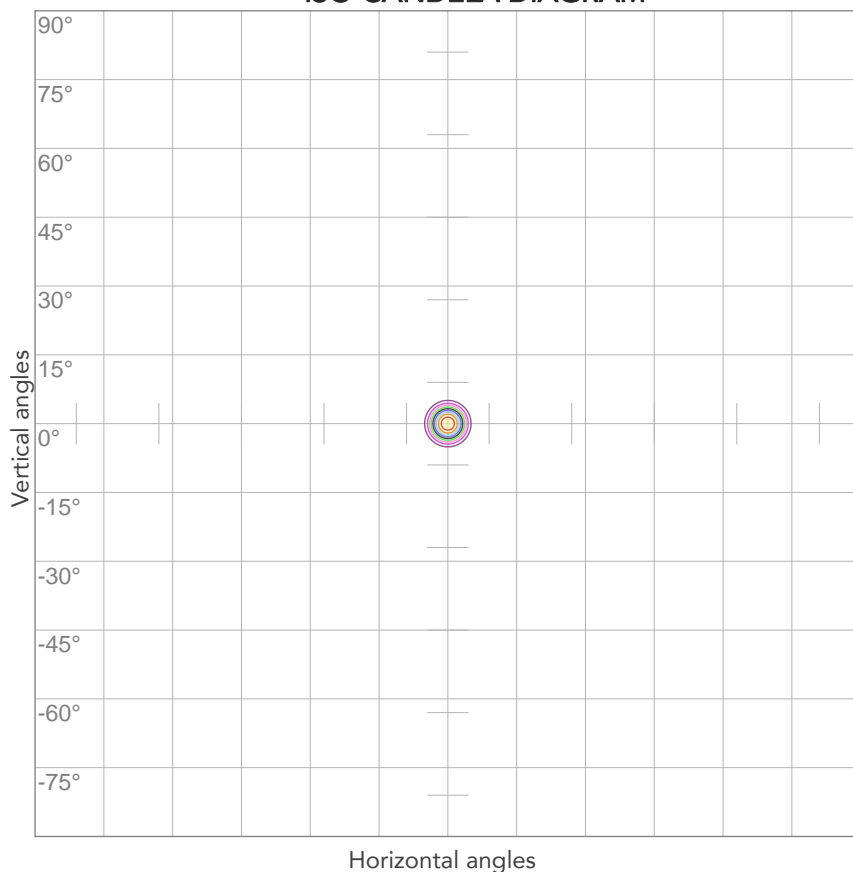
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,697A	140,2W	12lm/W

## ISO CANDELA DIAGRAM



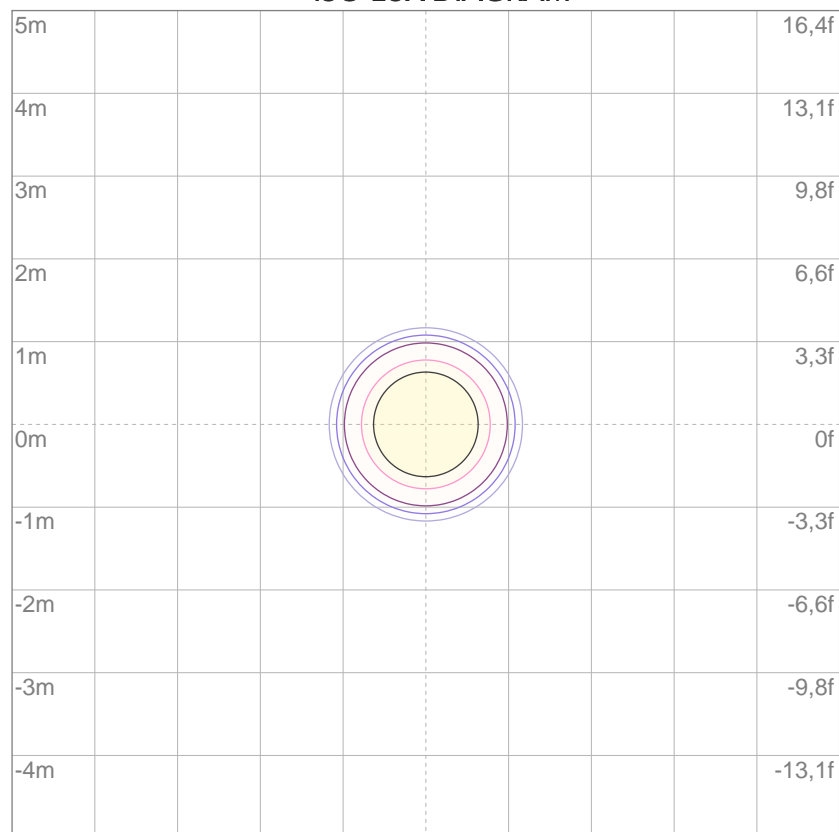
10%	11523 cd
20%	23047 cd
30%	34570 cd
40%	46094 cd
50%	57617 cd
60%	69140 cd
70%	80664 cd
80%	92187 cd

### Conditions:

Number of c-planes: 2

Candela at center: 115234 cd

## ISO LUX DIAGRAM



3%	34,6 lx
5%	57,6 lx
10%	115 lx
30%	346 lx
50%	576 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1152 lx

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



Total lumen output:

1924 lm

Peak candela output:

8343 cd

Light quality:

CRI: 88,3

Color temperature:

5722 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

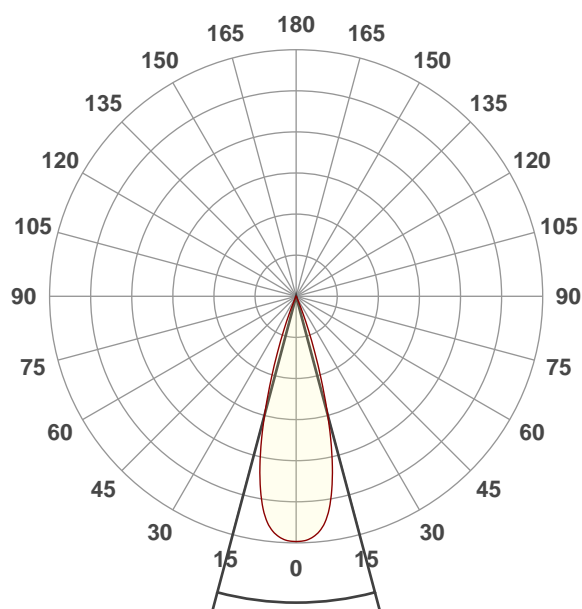
6000K

Operator:

Paolo Carvone

Date and time:

03/03/2020 12:03:49

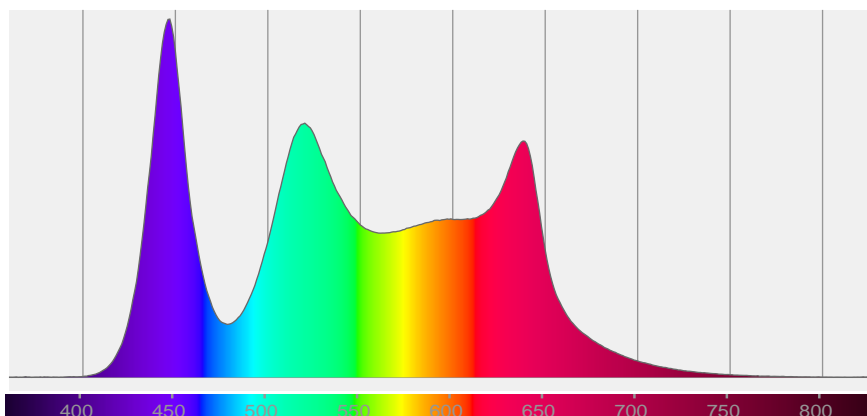


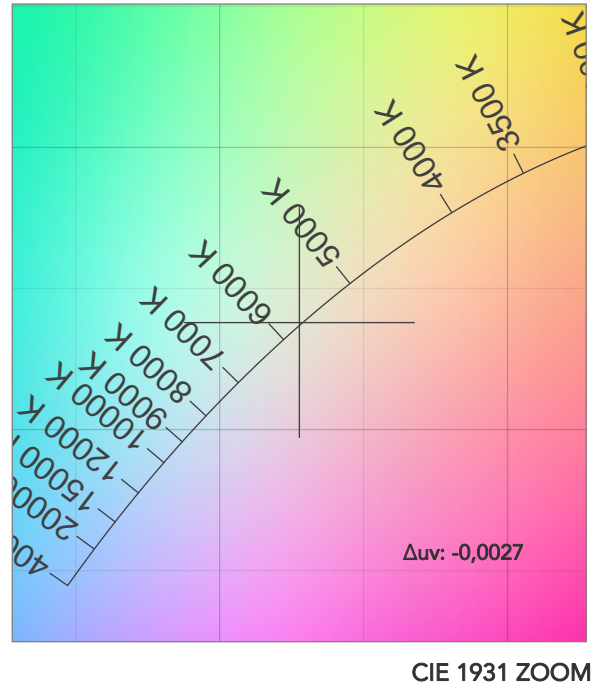
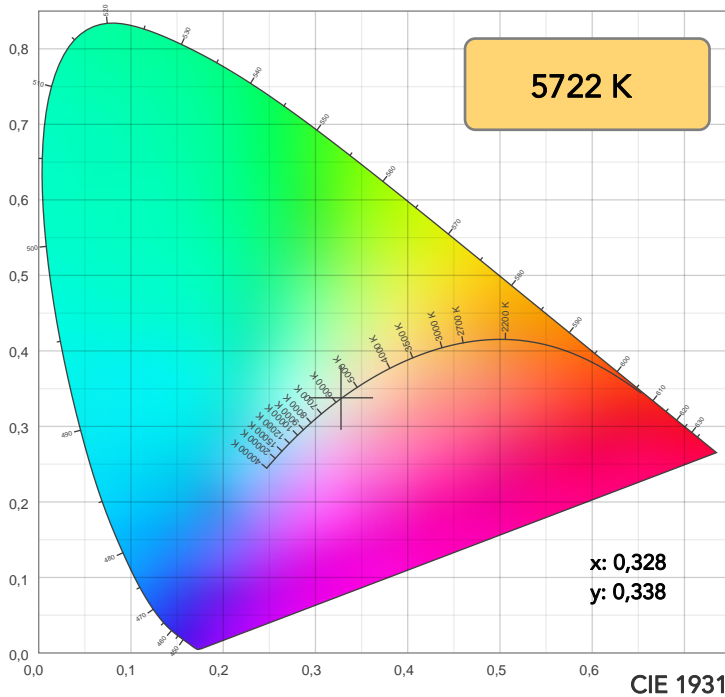
Beam angle 50%: 29,8°

Field angle 10%: 42,2°

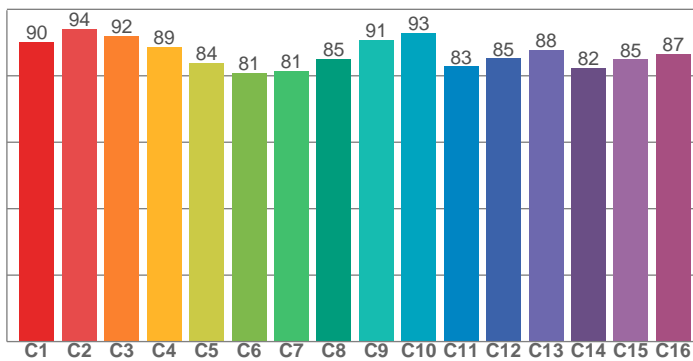
Cut off angle 2.5%: 47,5°

## Spectra

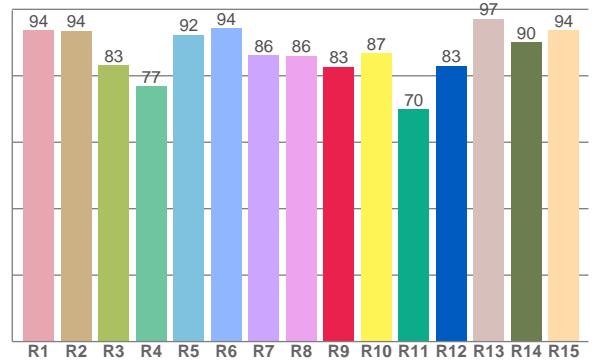




TM30: 87,0



CRI: 88,3 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,8	93,5	83,2	76,8	92,4	94,3	86,1	86,0	82,7	86,8	70,0	83,0	97,2	90,1	93,8

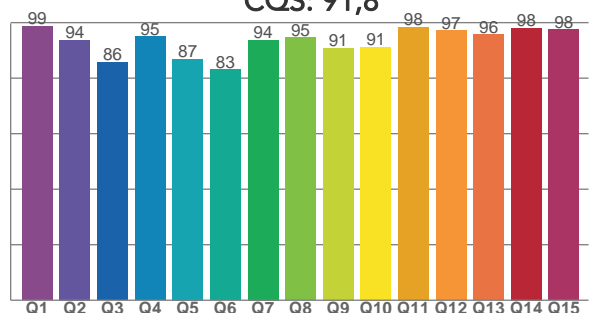
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,3	94,1	92,0	88,7	83,9	80,9	81,5	85,1	90,8	93,0	82,8	85,3	87,9	82,4	85,0	86,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,7	93,8	85,7	94,9	86,8	83,0	93,8	94,6	90,8	91,2	98,4	97,1	95,7	98,0	97,5

CQS: 91,8



## COLOR PARAMETERS

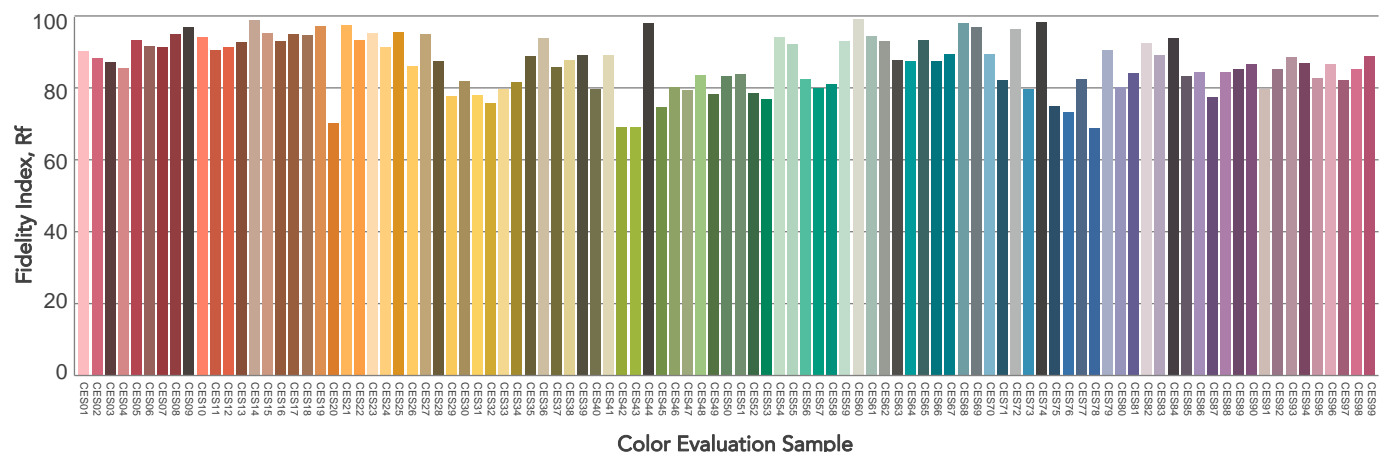
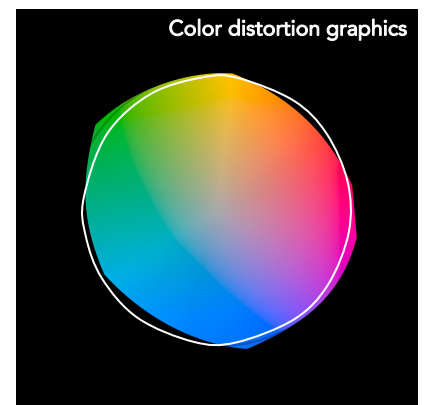
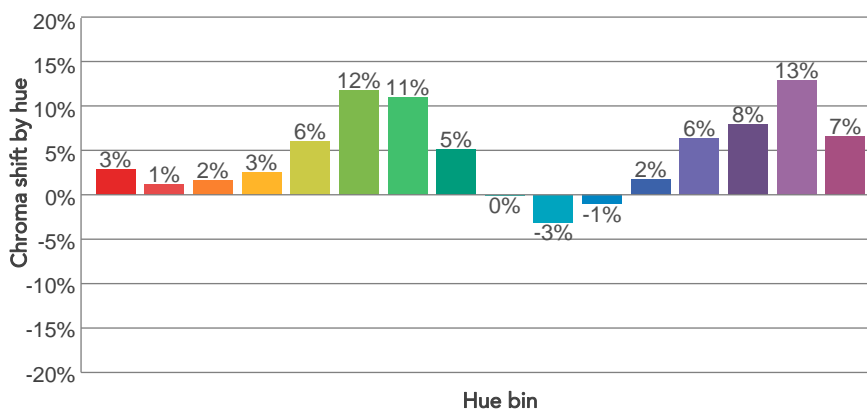
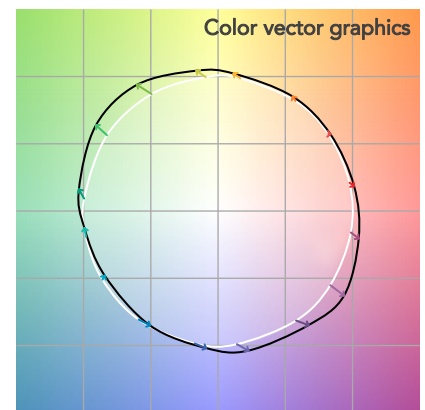
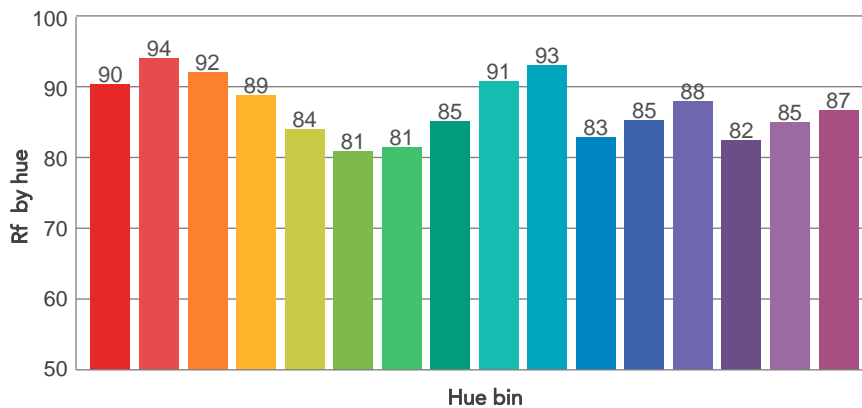
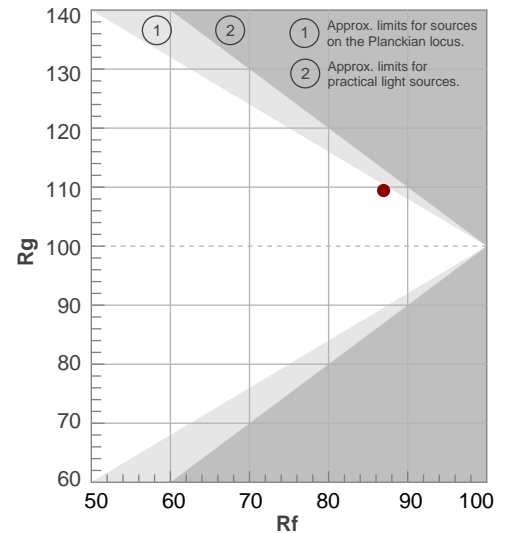
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5722 K	88,3	82,7	87,0	109,4	91,8	80	0,328	0,338	-0,0027

# TM30 DETAILS

**Rf 87,0**  
Fidelity index Rf

**Rg 109,4**  
Gammut index

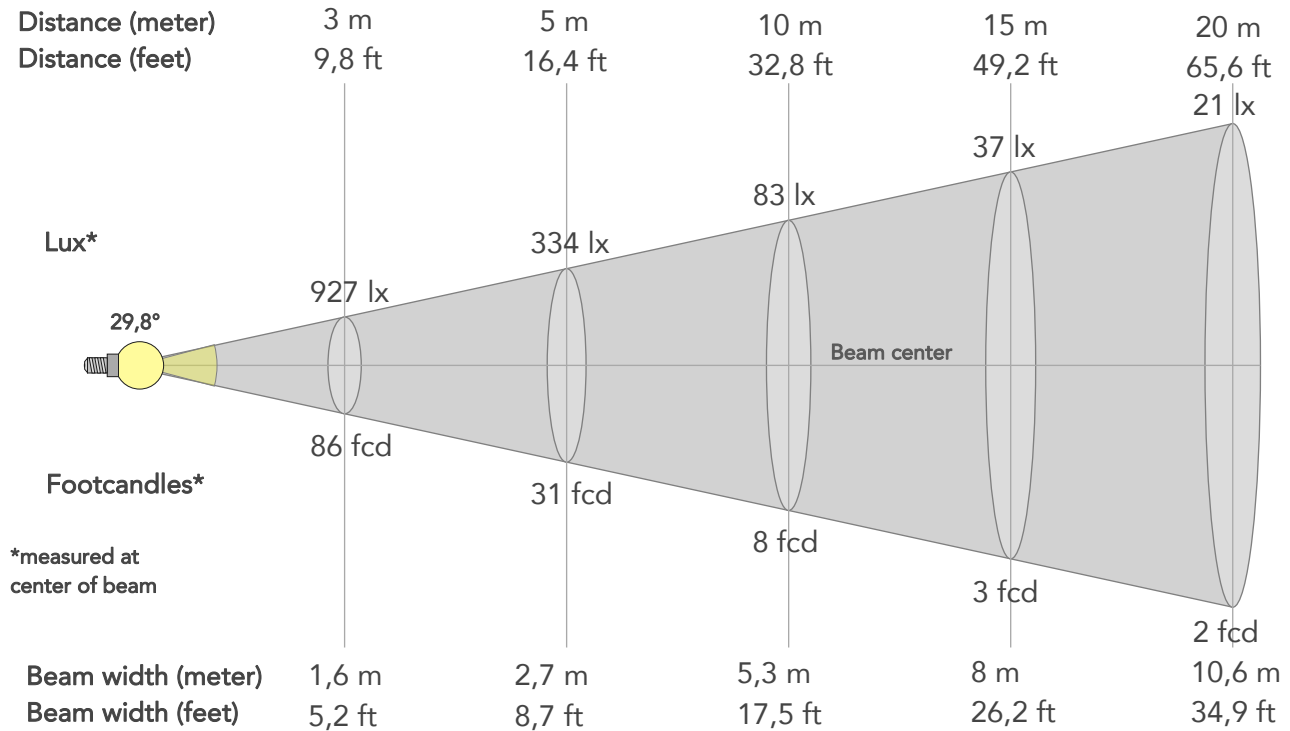
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	3%	-3%
2	94	1%	-1%
3	92	2%	4%
4	89	3%	6%
5	84	6%	6%
6	81	12%	5%
7	81	11%	-2%
8	85	5%	-6%
9	91	0%	-7%
10	93	-3%	-2%
11	83	-1%	9%
12	85	2%	9%
13	88	6%	7%
14	82	8%	6%
15	85	13%	-1%
16	87	7%	-3%





## BEAM DETAILS

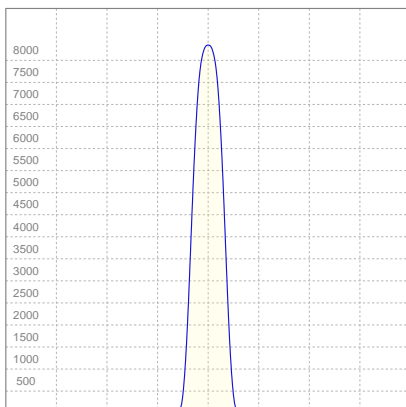
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,8°	42,2°	47,5°	99,7%	99,6%



### 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	8343lx	2086lx	927lx	521lx	334lx	148lx	83lx	37lx	21lx	13lx	9lx	5lx	3lx
Footcand.	775fcd	194fcd	86fcd	48fcd	31fcd	14fcd	8fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1,1m	1,6m	2,1m	2,7m	4m	5,3m	8m	10,6m	13,3m	16m	21,3m	26,6m
Beam wid.	1,8ft	3,5ft	5,2ft	7ft	8,7ft	13,1ft	17,5ft	26,2ft	34,9ft	43,7ft	52,4ft	69,8ft	87,3ft

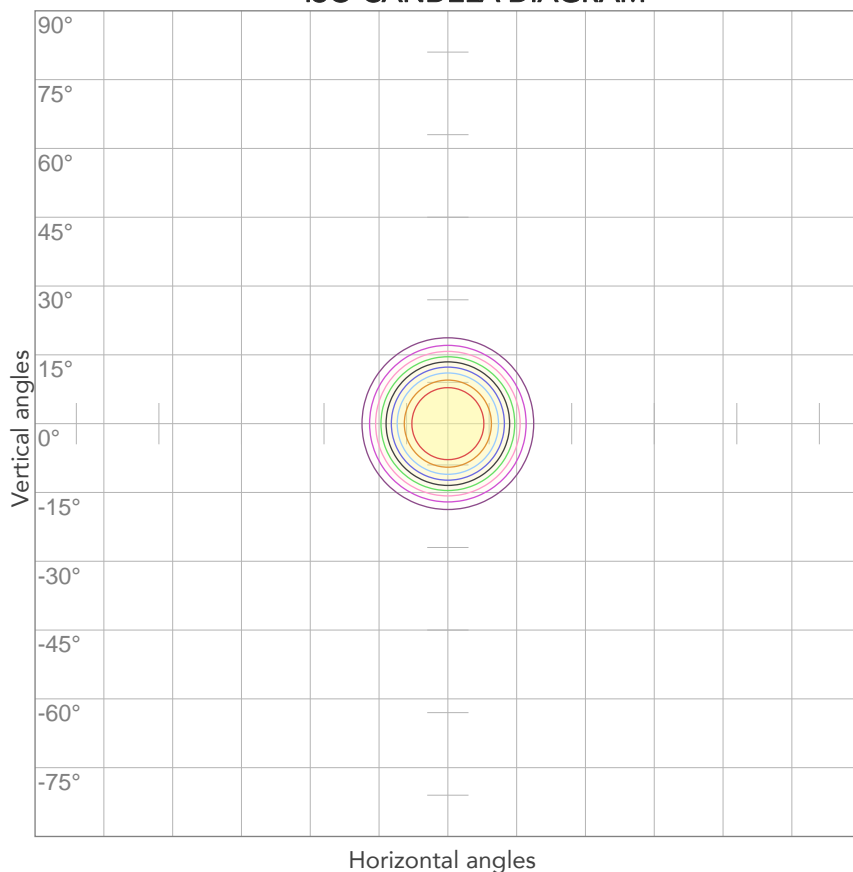
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
225V	0,708A	143W	13lm/W

## ISO CANDELA DIAGRAM



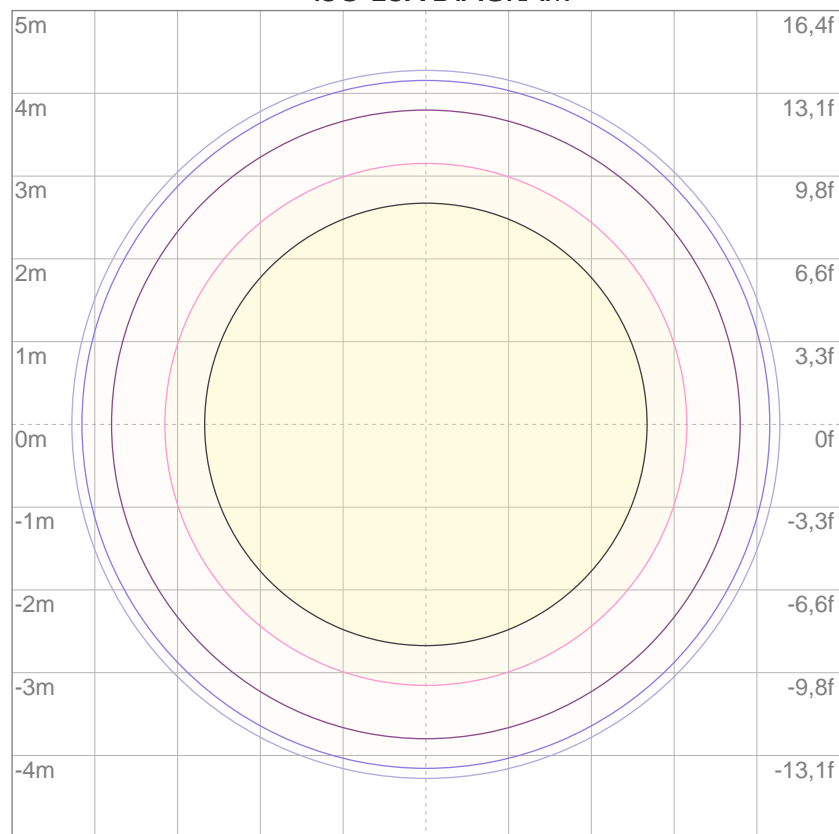
10%	834 cd
20%	1669 cd
30%	2503 cd
40%	3337 cd
50%	4171 cd
60%	5006 cd
70%	5840 cd
80%	6674 cd

### Conditions:

Number of c-planes: 2

Candela at center: 8343 cd

## ISO LUX DIAGRAM



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

### Conditions:

Number of c-planes: 2

Lux at center: 83,4 lx

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



Total lumen output:

1921 lm

Peak candela output:

27834 cd

Light quality:

CRI: 88,1

Color temperature:

5760 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

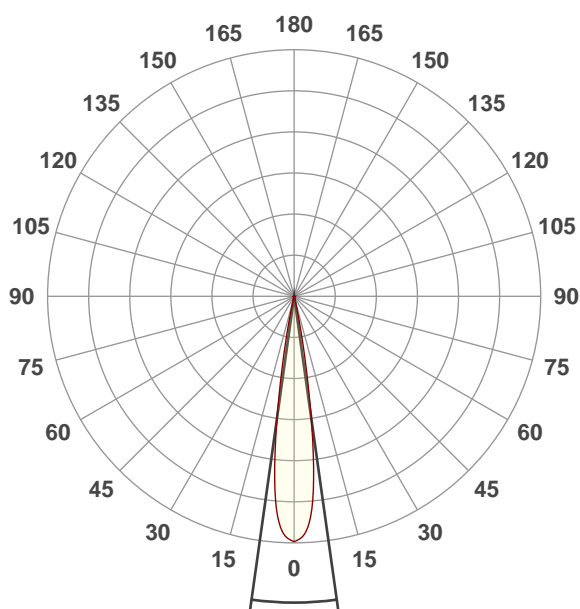
6000K

Operator:

Paolo Carvone

Date and time:

02/03/2020 18:39:06

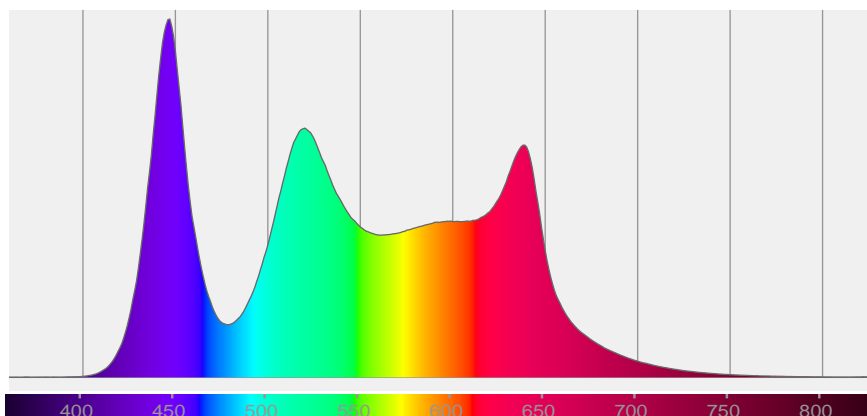


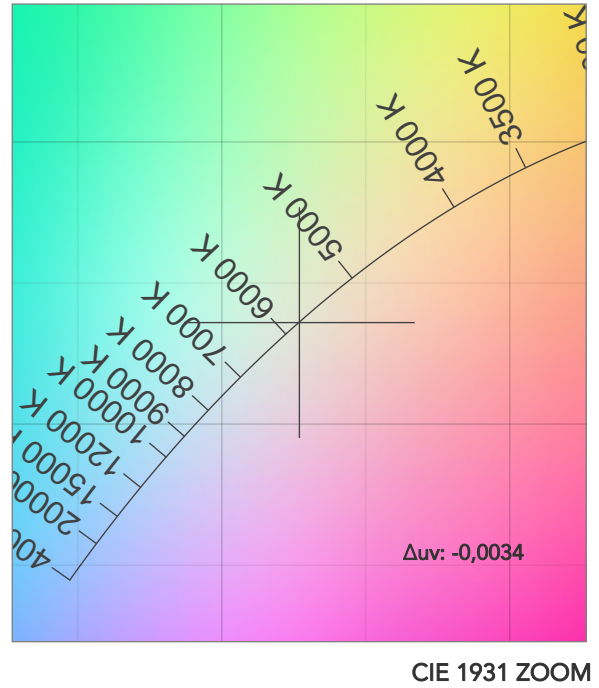
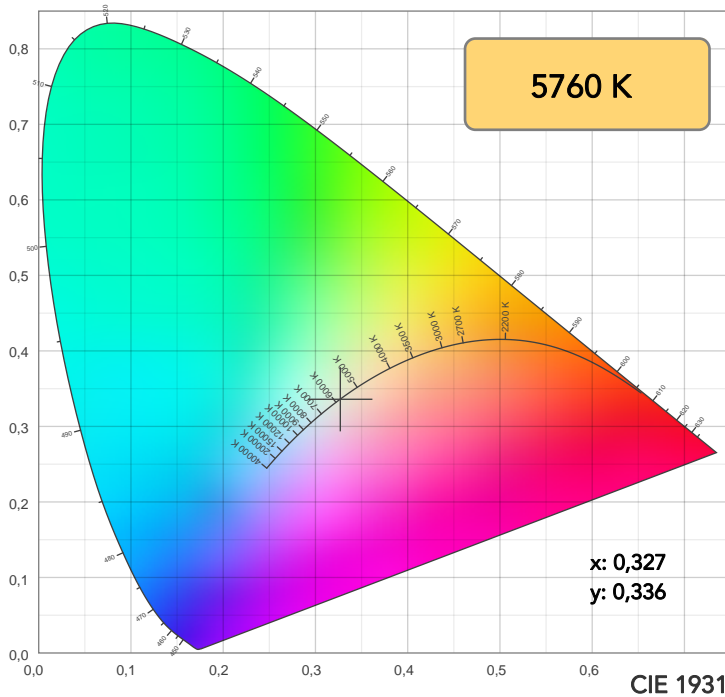
Beam angle 50%: 16°

Field angle 10%: 23,3°

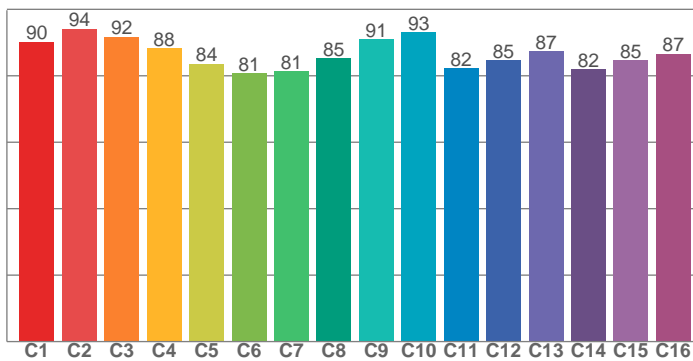
Cut off angle 2.5%: 26,7°

## Spectra

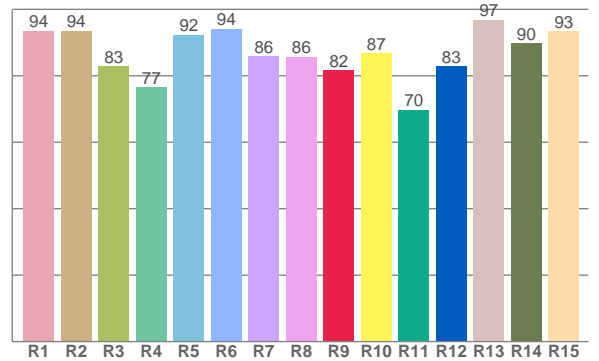




TM30: 86,7



CRI: 88,1 (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
93,6	93,6	82,9	76,6	92,3	94,2	85,9	85,7	81,7	86,7	69,8	83,0	96,9	89,8	93,4

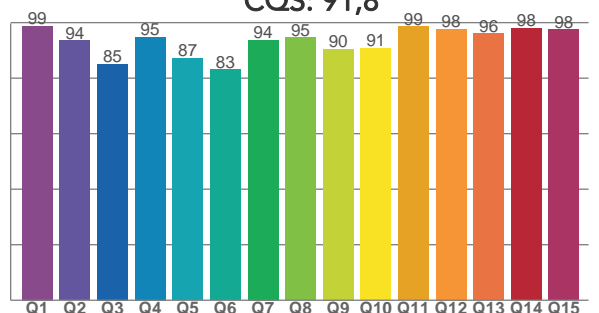
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	94,2	91,6	88,3	83,5	80,7	81,4	85,2	90,9	93,1	82,2	84,7	87,4	81,9	84,7	86,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	93,6	85,1	94,9	87,1	83,1	93,8	94,6	90,4	90,8	98,6	97,6	96,1	98,0	97,6

CQS: 91,8



## COLOR PARAMETERS

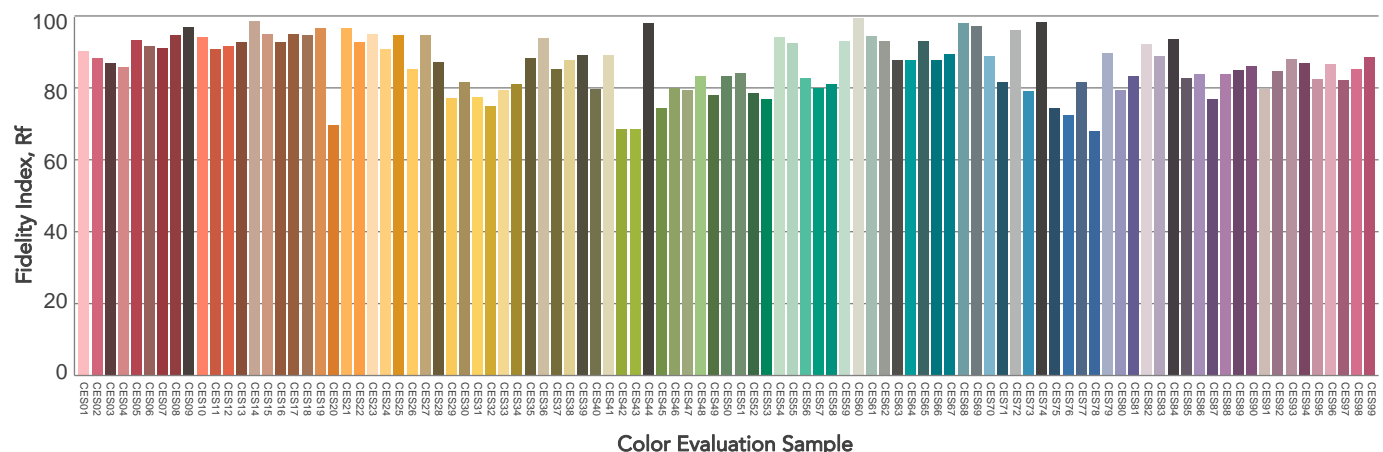
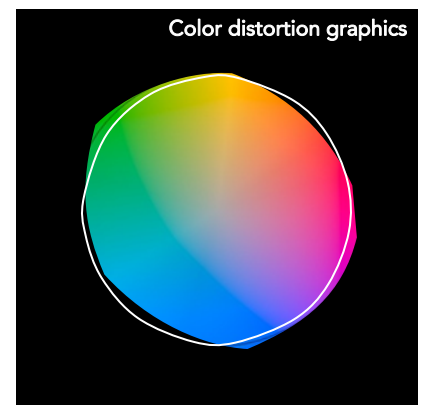
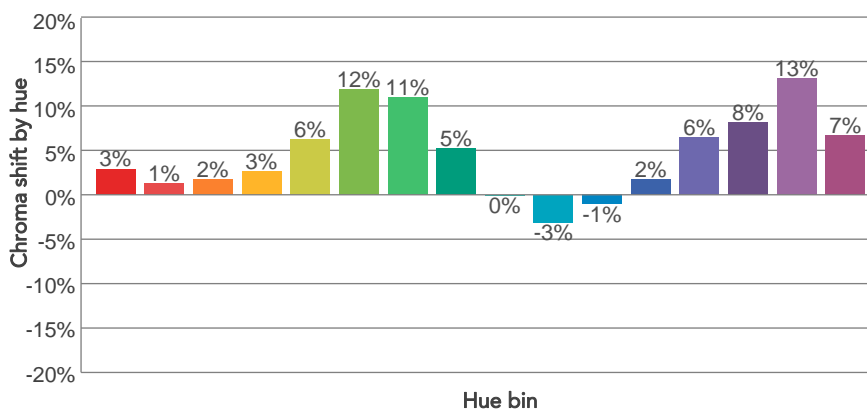
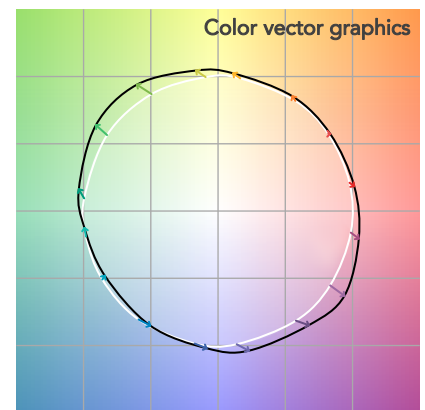
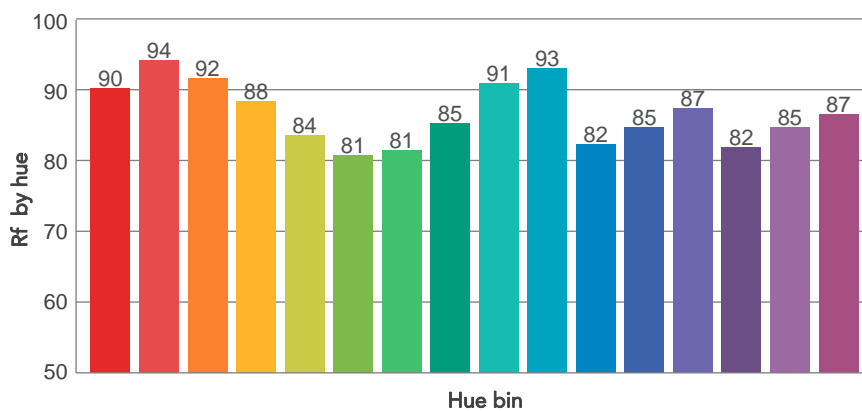
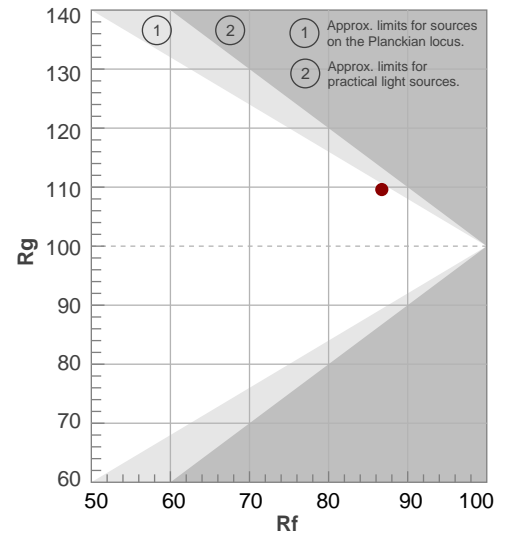
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5760 K	88,1	81,7	86,7	109,6	91,8	81	0,327	0,336	-0,0034

# TM30 DETAILS

**Rf 86,7**  
Fidelity index Rf

**Rg 109,6**  
Gammut index

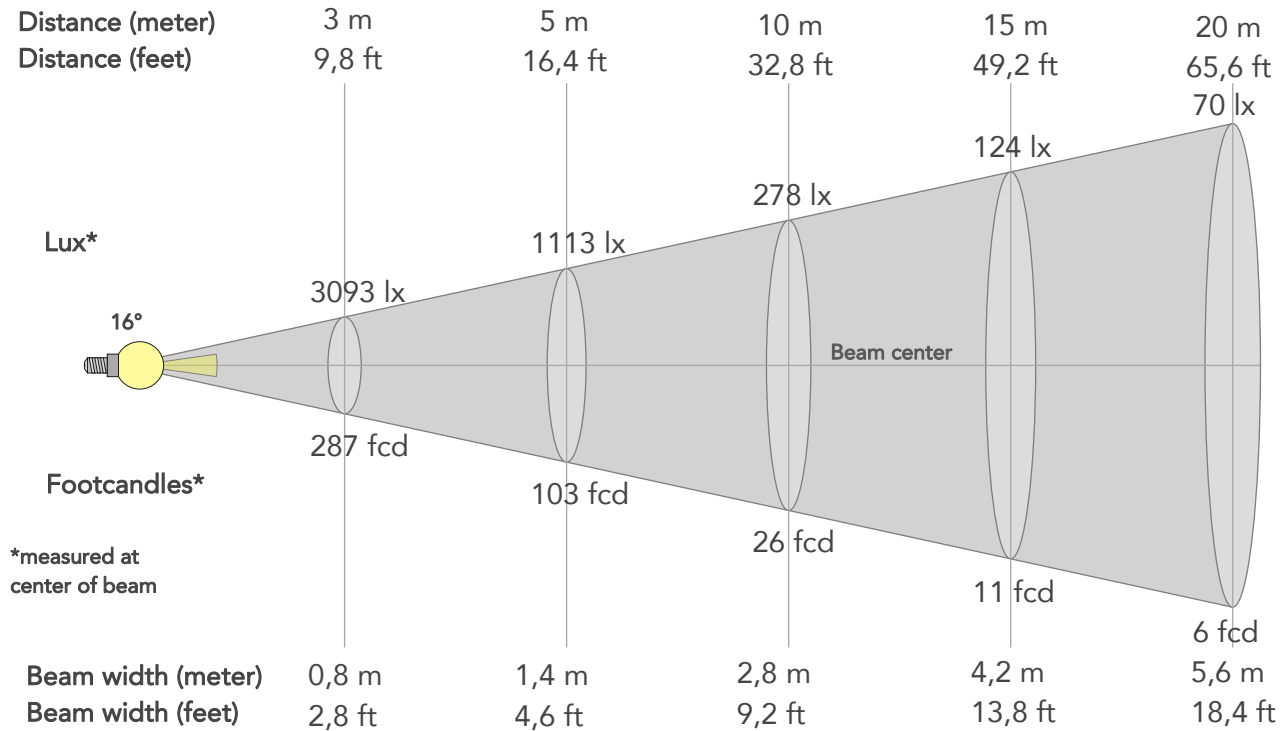
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	3%	-3%
2	94	1%	-1%
3	92	2%	4%
4	88	3%	6%
5	84	6%	6%
6	81	12%	5%
7	81	11%	-2%
8	85	5%	-6%
9	91	0%	-6%
10	93	-3%	-1%
11	82	-1%	10%
12	85	2%	9%
13	87	6%	8%
14	82	8%	6%
15	85	13%	-1%
16	87	7%	-3%



## BEAM DETAILS



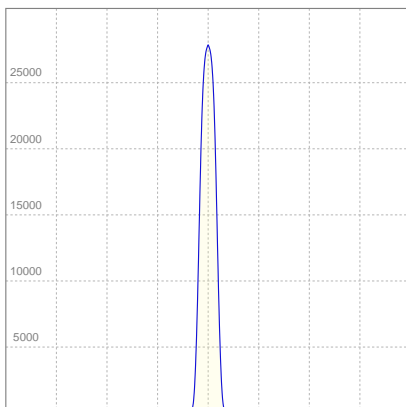
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
16°	23,3°	26,7°	99,6%	99,5%



### 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	27834lx	6958lx	3093lx	1740lx	1113lx	495lx	278lx	124lx	70lx	45lx	31lx	17lx	11lx
Footcand.	2586fcd	646fcd	287fcd	162fcd	103fcd	46fcd	26fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,6m	0,8m	1,1m	1,4m	2,1m	2,8m	4,2m	5,6m	7m	8,4m	11,2m	14m
Beam wid.	0,9ft	1,9ft	2,8ft	3,7ft	4,6ft	6,9ft	9,2ft	13,8ft	18,4ft	23ft	27,6ft	36,9ft	46,1ft

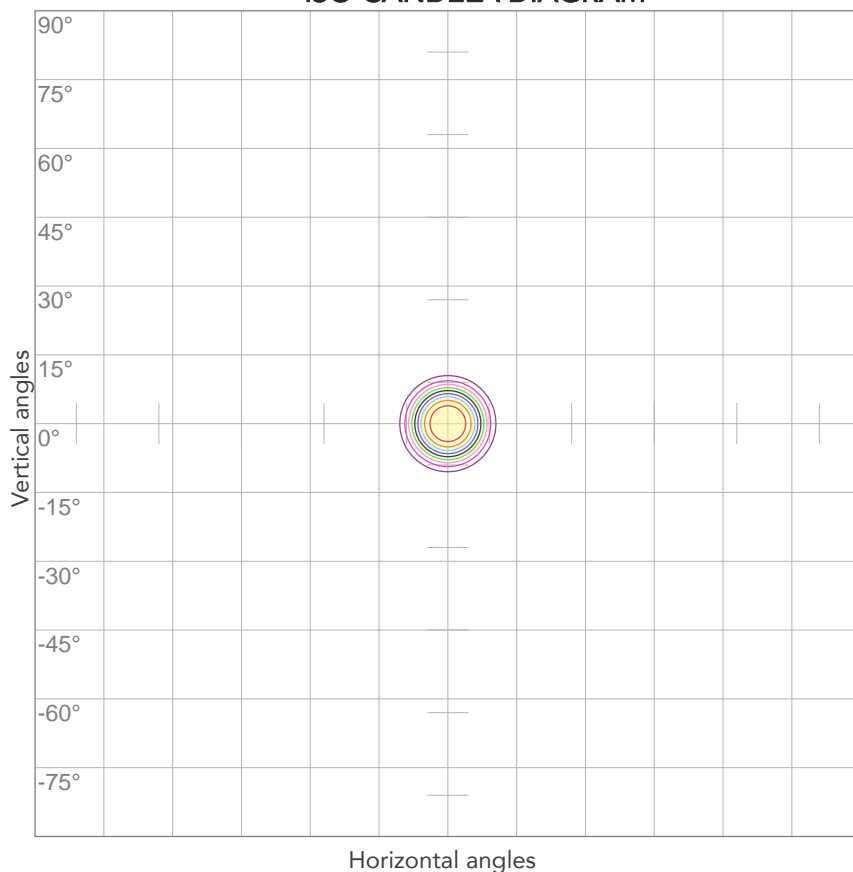
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
222V	0,712A	142,1W	14lm/W

## ISO CANDELA DIAGRAM



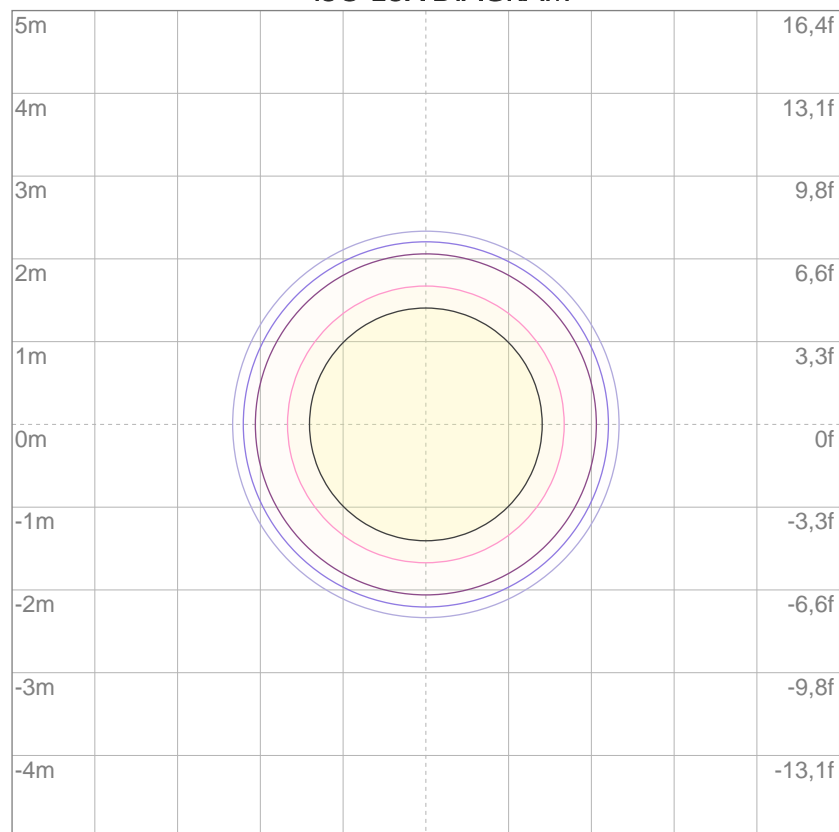
10%	2783 cd
20%	5567 cd
30%	8350 cd
40%	11134 cd
50%	13917 cd
60%	16700 cd
70%	19484 cd
80%	22267 cd

### Conditions:

Number of c-planes: 2

Candela at center: 27834 cd

## ISO LUX DIAGRAM



3%	8,35 lx
5%	13,9 lx
10%	27,8 lx
30%	83,5 lx
50%	139 lx

### Conditions:

Number of c-planes: 2

Lux at center: 278 lx

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



Total lumen output:

1766 lm

Peak candela output:

113429 cd

Light quality:

CRI: 88,0

Color temperature:

5762 K

## PRODUCT NAME:

Pixie ZoomXB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

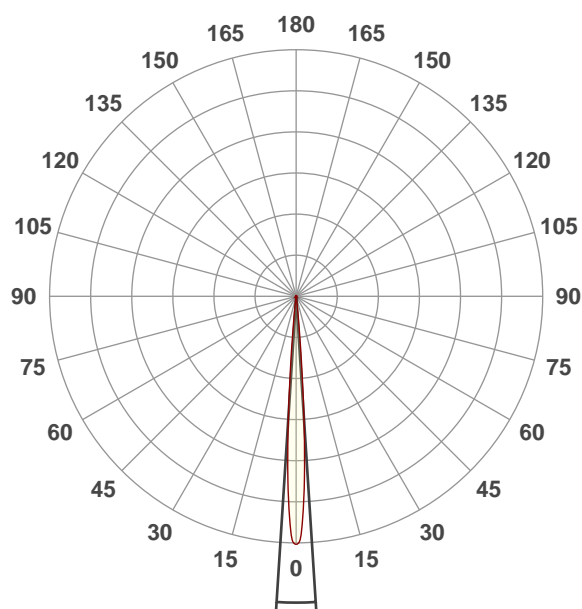
6000K

Operator:

Paolo Carvone

Date and time:

03/03/2020 12:17:50

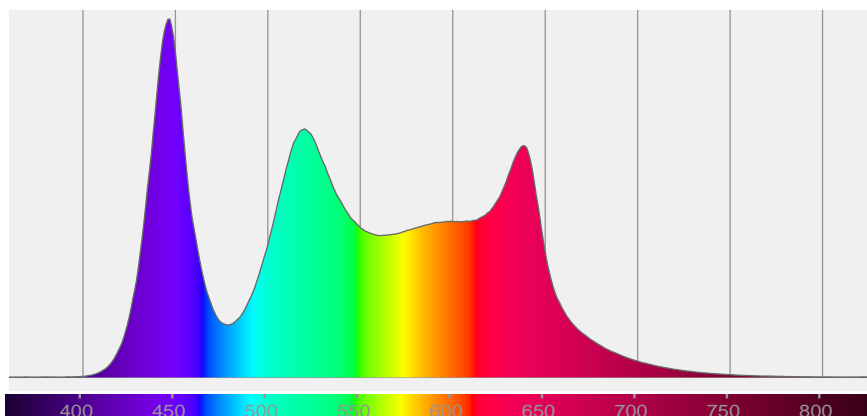


Beam angle 50%: 7,3°

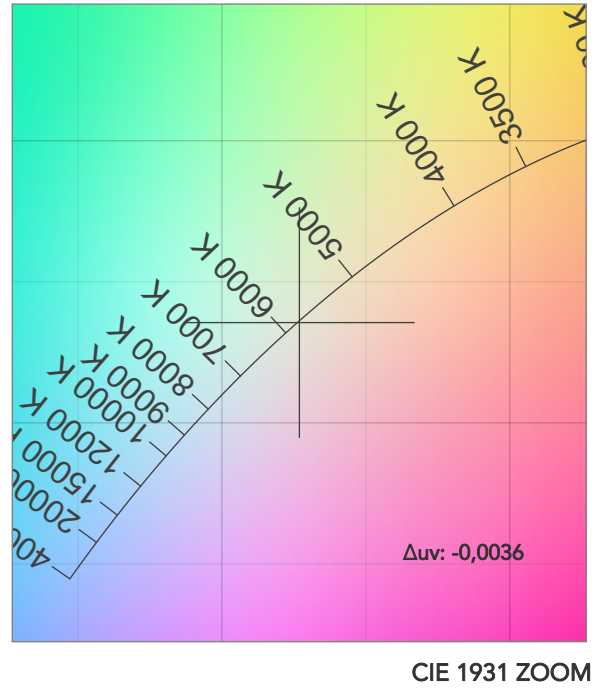
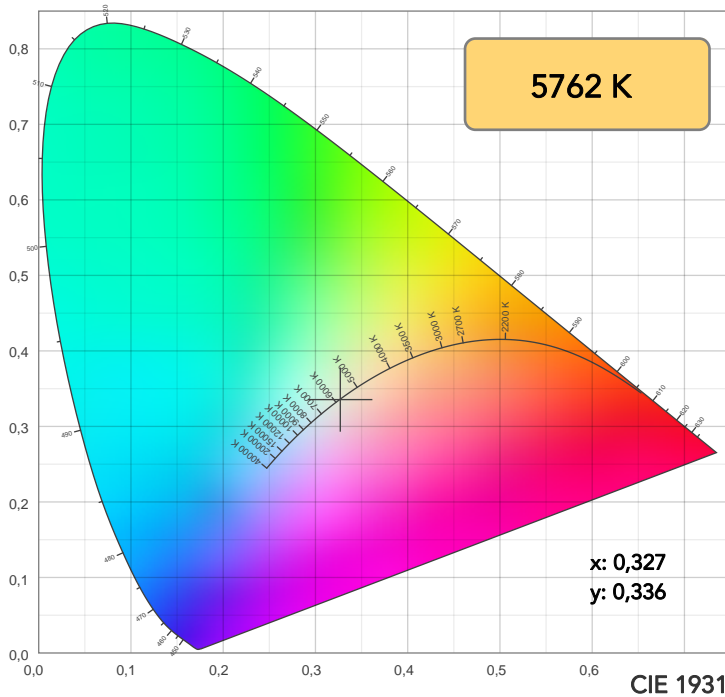
Field angle 10%: 11,6°

Cut off angle 2.5%: 13,9°

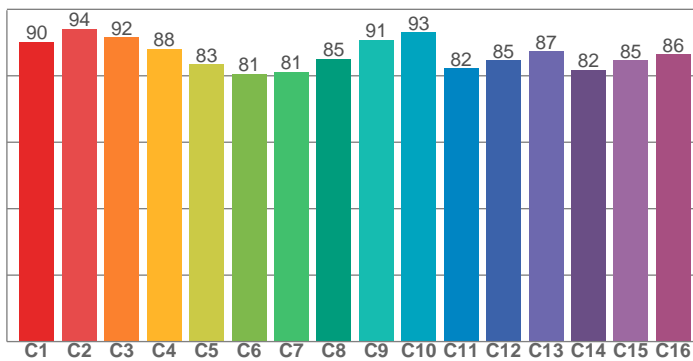
## Spectra



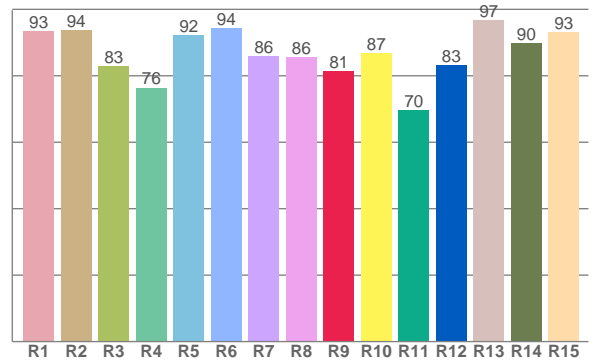




TM30: 86,7



CRI: 88,0 (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
93,4	93,6	82,9	76,4	92,2	94,3	85,9	85,6	81,4	86,9	69,6	83,2	96,7	89,8	93,2

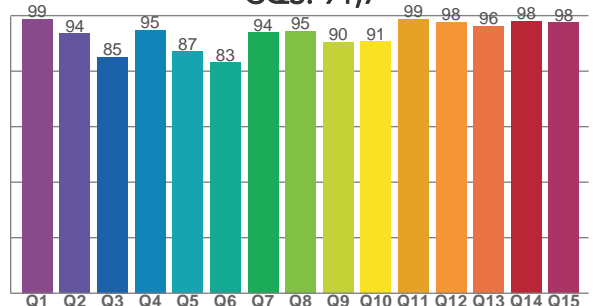
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,2	94,1	91,5	88,2	83,4	80,6	81,2	85,1	90,8	93,1	82,3	84,6	87,4	81,8	84,7	86,5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98,8	93,5	85,1	94,9	87,0	83,1	93,9	94,5	90,4	90,7	98,7	97,7	96,2	97,9	97,5

CQS: 91,7



## COLOR PARAMETERS

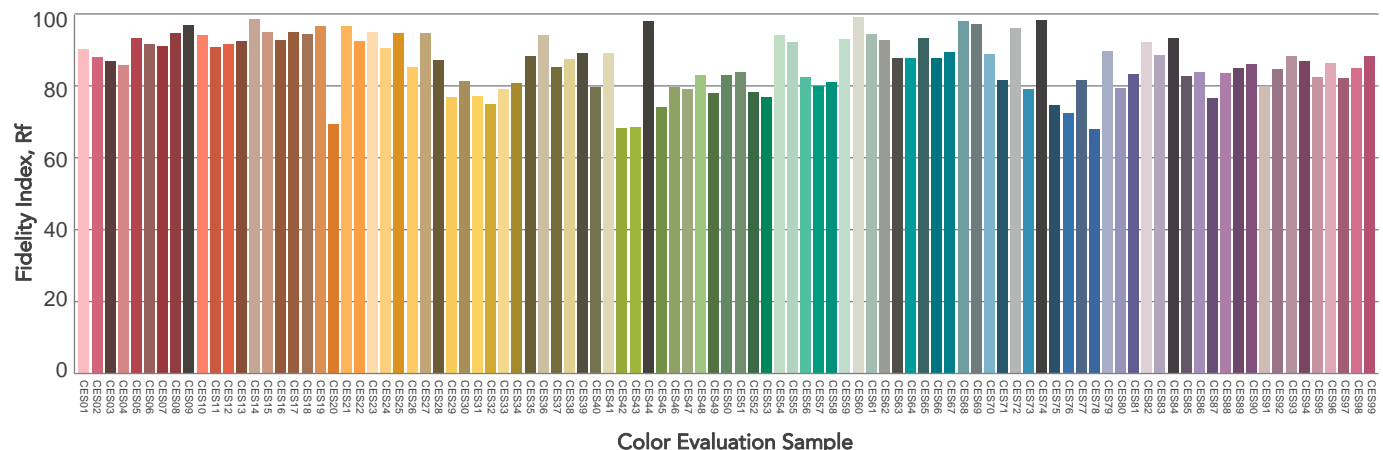
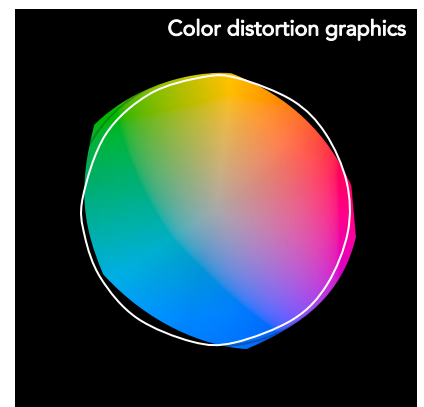
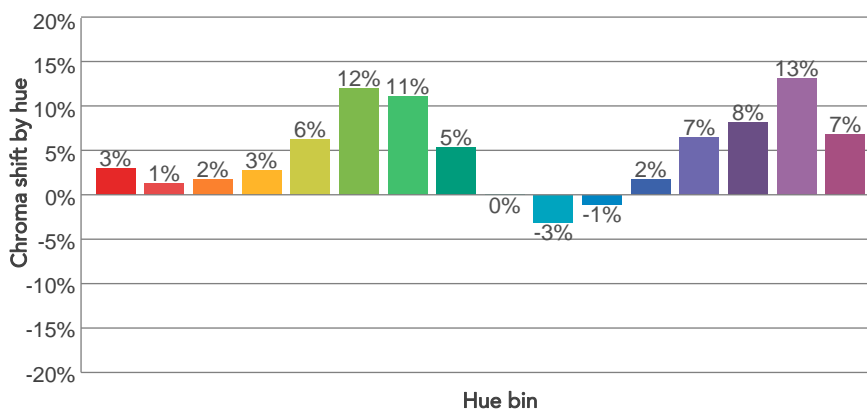
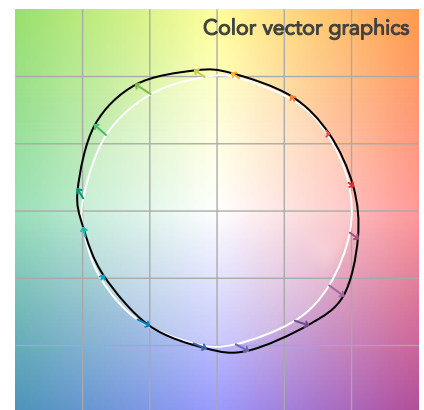
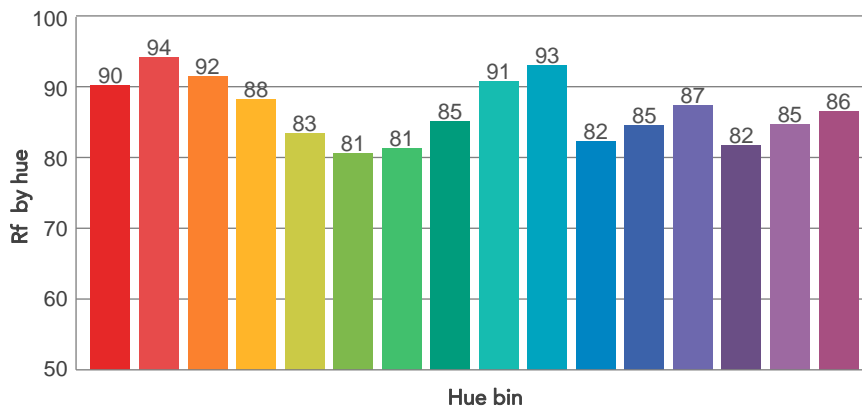
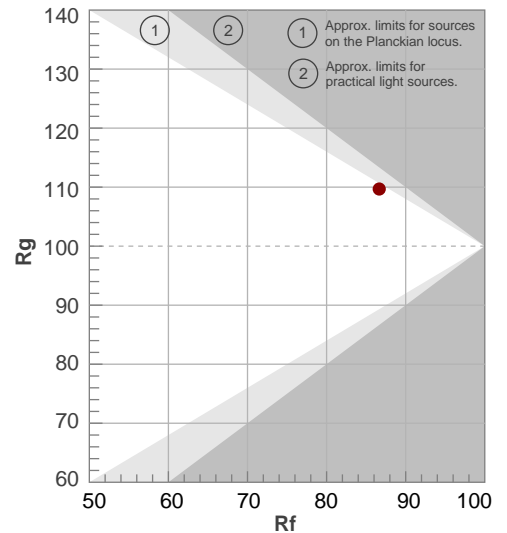
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5762 K	88,0	81,4	86,7	109,7	91,7	80	0,327	0,336	-0,0036

# TM30 DETAILS

**Rf 86,7**  
Fidelity index Rf

**Rg 109,7**  
Gammut index

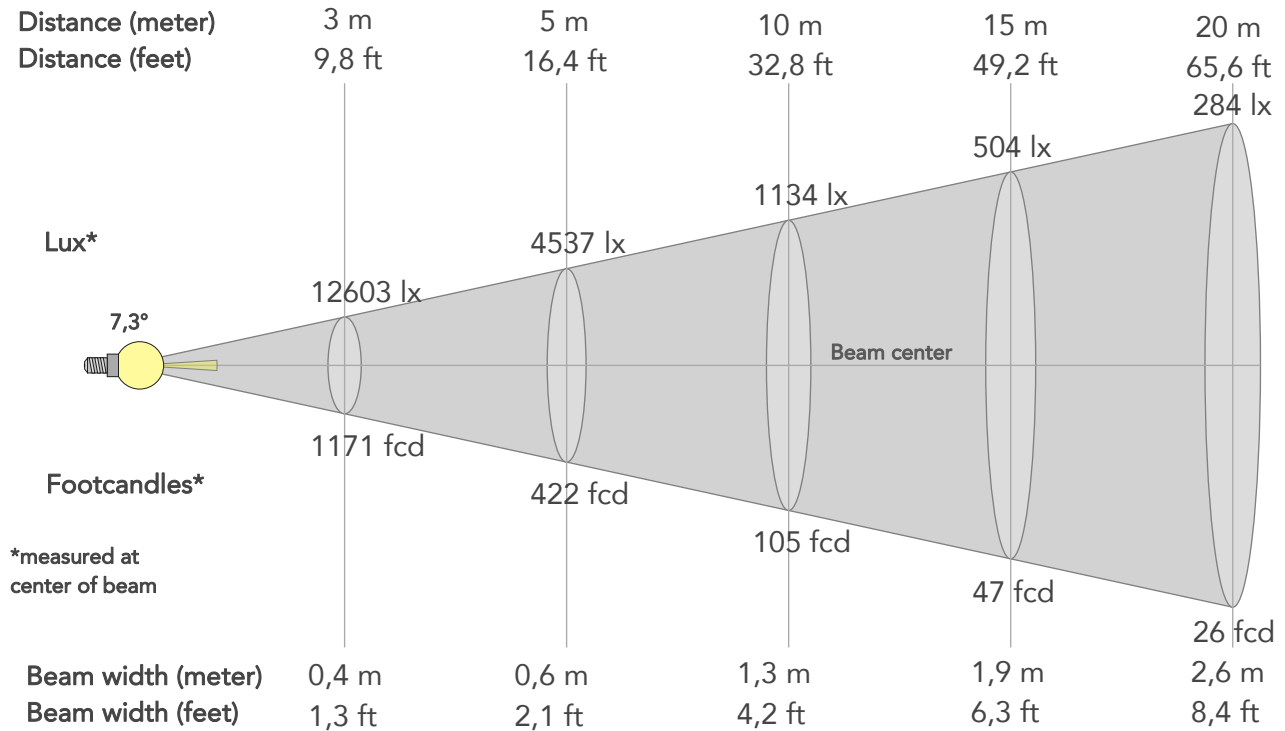
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	3%	-3%
2	94	1%	-1%
3	92	2%	4%
4	88	3%	6%
5	83	6%	6%
6	81	12%	5%
7	81	11%	-2%
8	85	5%	-6%
9	91	0%	-7%
10	93	-3%	-1%
11	82	-1%	10%
12	85	2%	9%
13	87	7%	8%
14	82	8%	6%
15	85	13%	0%
16	86	7%	-3%



## BEAM DETAILS



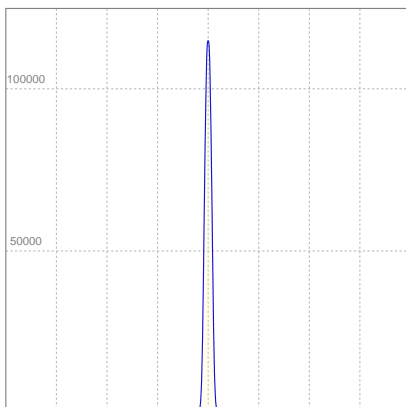
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,3°	11,6°	13,9°	99,7%	99,7%



### 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	113429lx	28357lx	12603lx	7089lx	4537lx	2017lx	1134lx	504lx	284lx	181lx	126lx	71lx	45lx
Footcand.	10538fcd	2634fcd	1171fcd	659fcd	422fcd	187fcd	105fcd	47fcd	26fcd	17fcd	12fcd	7fcd	4fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	1m	1,3m	1,9m	2,6m	3,2m	3,8m	5,1m	6,4m
Beam wid.	0,4ft	0,8ft	1,3ft	1,7ft	2,1ft	3,1ft	4,2ft	6,3ft	8,4ft	10,5ft	12,6ft	16,8ft	21ft

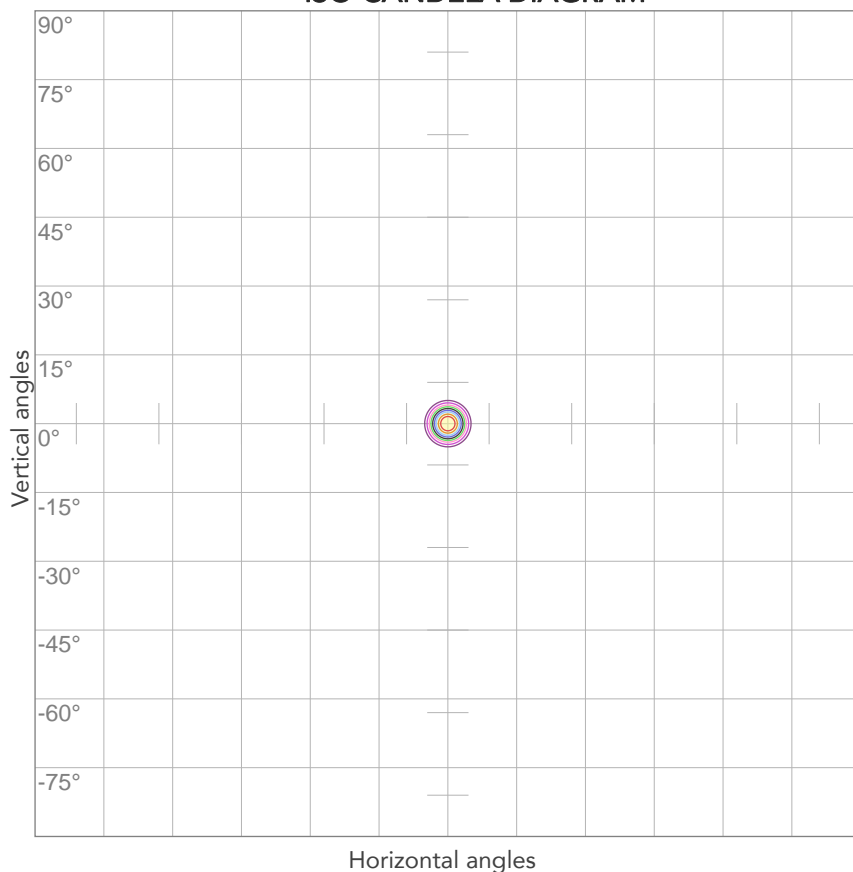
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	0,707A	142,5W	12lm/W

## ISO CANDELA DIAGRAM



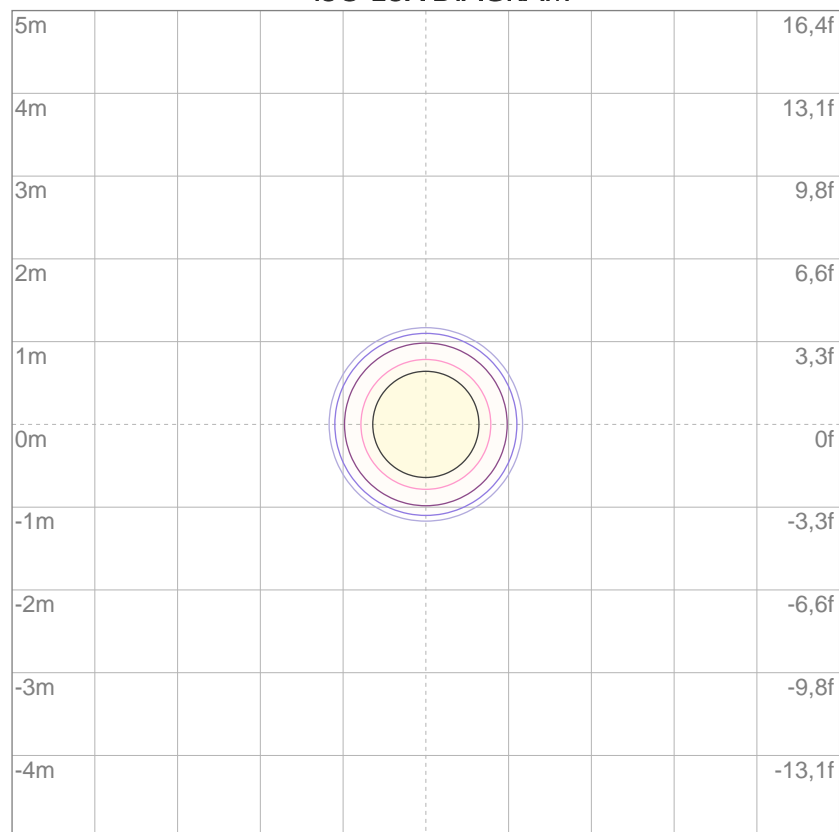
10%	11343 cd
20%	22686 cd
30%	34029 cd
40%	45372 cd
50%	56715 cd
60%	68058 cd
70%	79401 cd
80%	90744 cd

### Conditions:

Number of c-planes: 2

Candela at center: 113429 cd

## ISO LUX DIAGRAM



3%	34,0 lx
5%	56,7 lx
10%	113 lx
30%	340 lx
50%	567 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1134 lx

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