



# Photometric Test Report



## Pixie WashXB

280 W single lens RGB and warm white  
moving wash luminaire

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Color temperature 5600K

Beam angle 100%	80
Beam angle 50%	85
Beam angle 0%	90

## **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:

3038 lm

Peak candela output:

13300 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

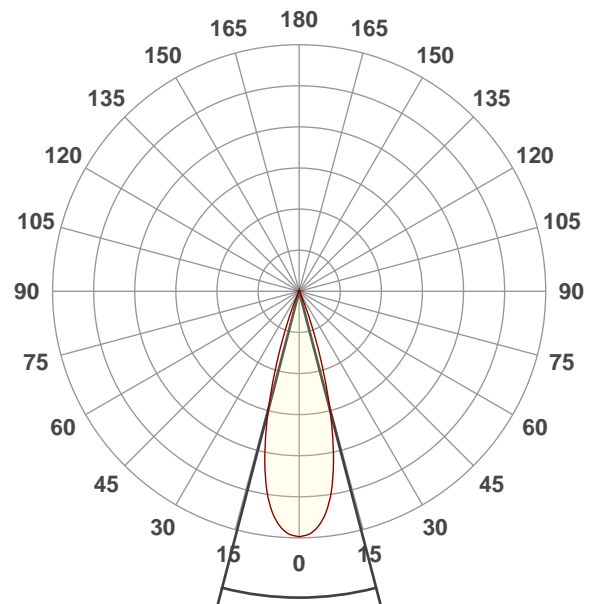
Full On

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:11:41

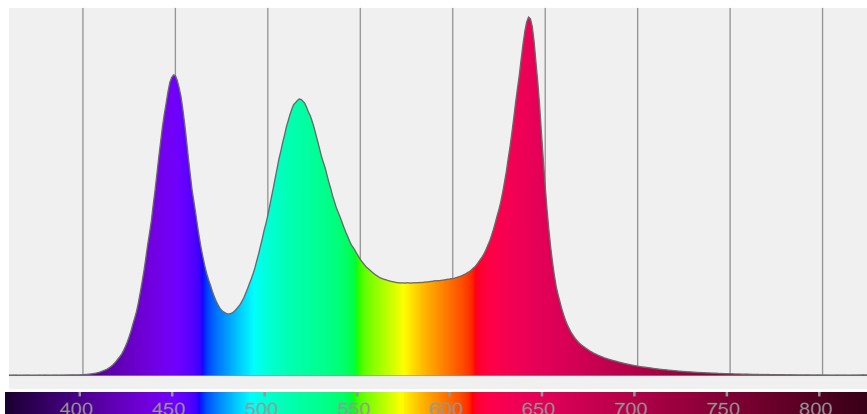


Beam angle 50%: 29,1°

Field angle 10%: 42,9°

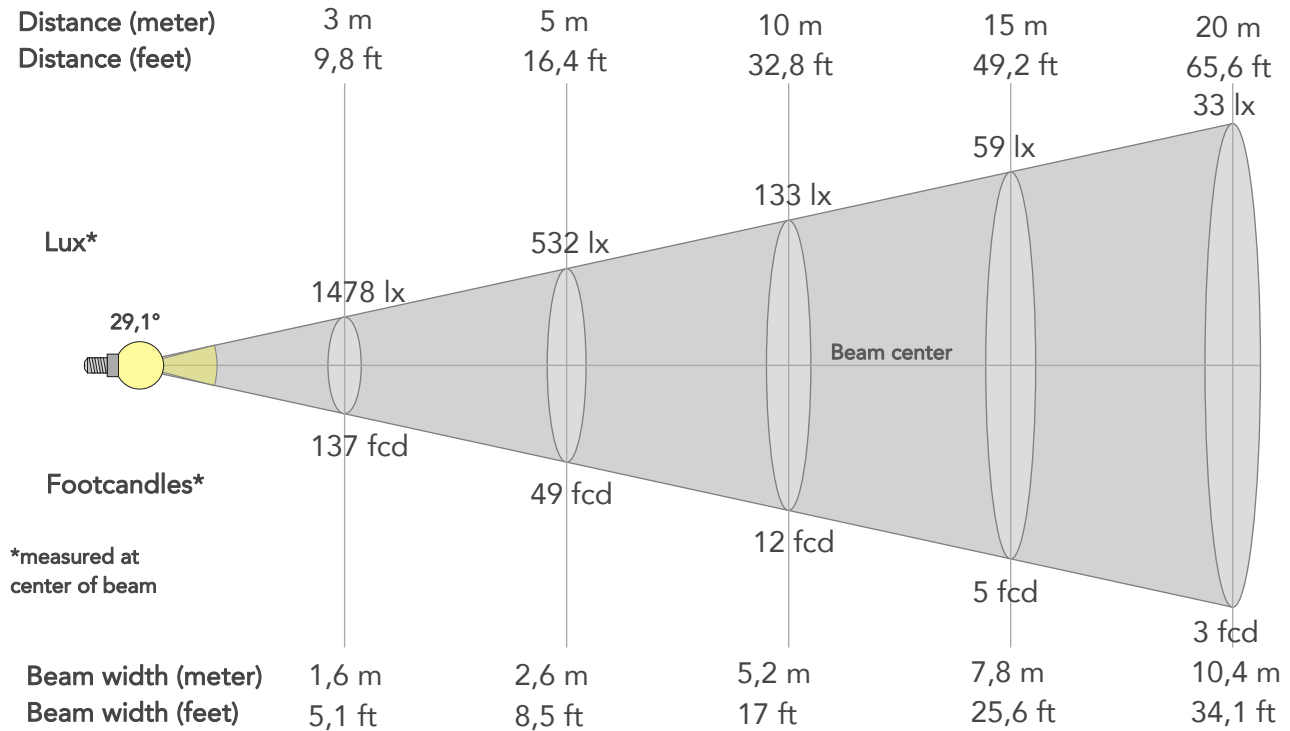
Cut off angle 2.5%: 48,8°

## Spectra



## BEAM DETAILS

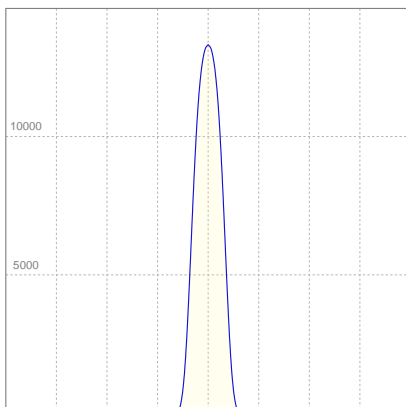
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,1°	42,9°	48,8°	98,7%	98,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13300lx	3325lx	1478lx	831lx	532lx	236lx	133lx	59lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1236fcd	309fcd	137fcd	77fcd	49fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,4m	13m	15,6m	20,8m	26m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,8ft	17ft	25,6ft	34,1ft	42,6ft	51,1ft	68,2ft	85,2ft

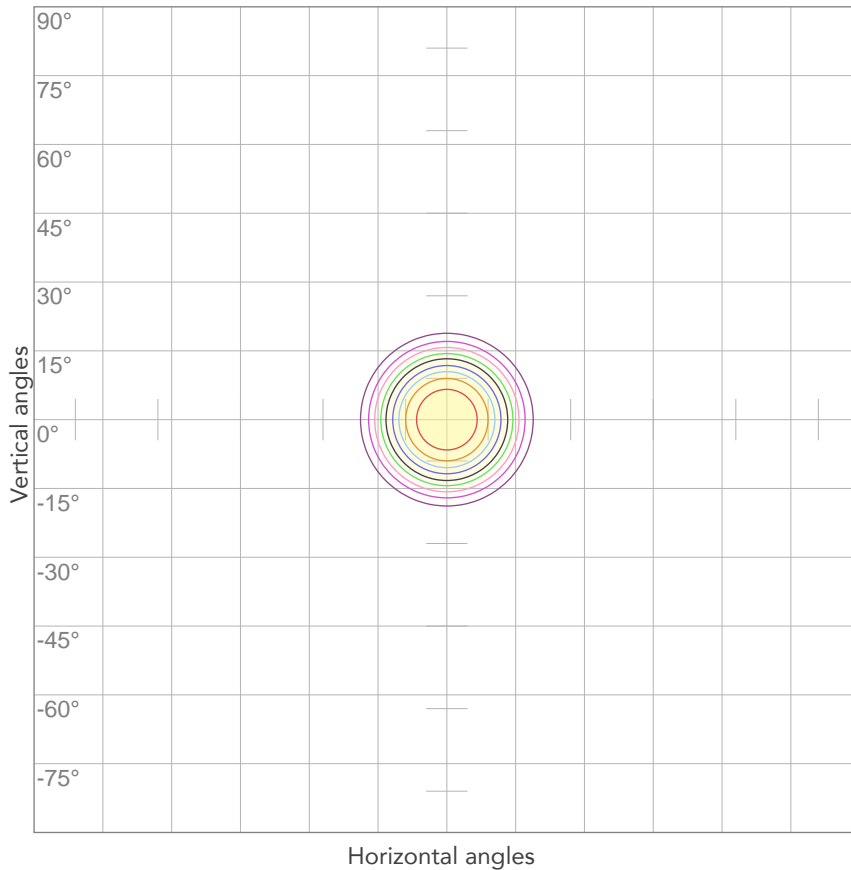
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,13A	239,1W	13lm/W

## ISO CANDELA DIAGRAM



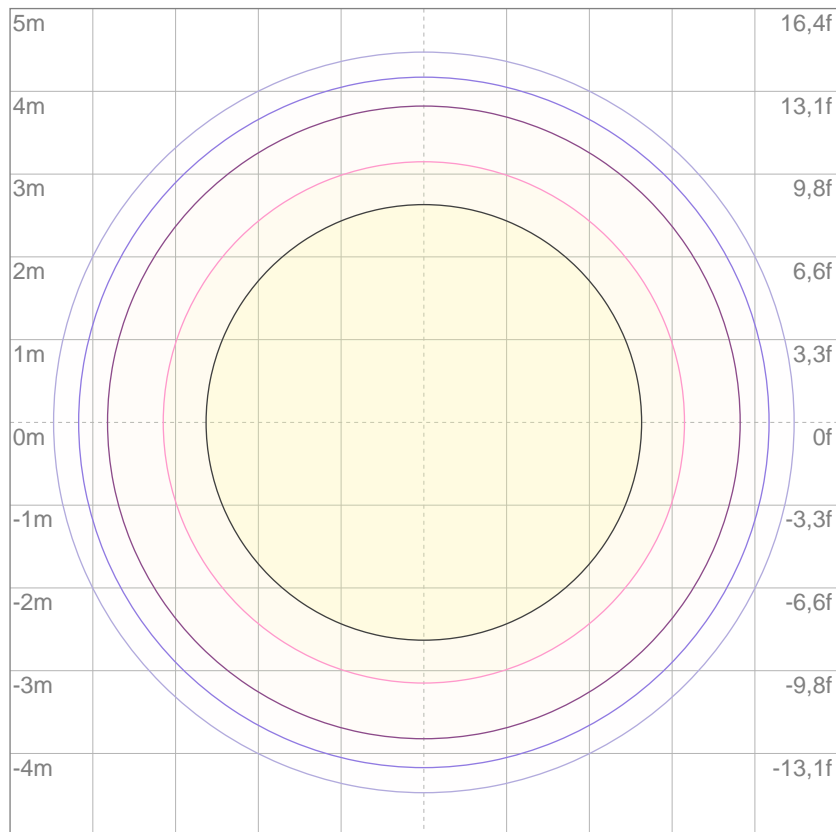
10%	1330 cd
20%	2660 cd
30%	3990 cd
40%	5320 cd
50%	6650 cd
60%	7980 cd
70%	9310 cd
80%	10640 cd

### Conditions:

Number of c-planes: 2

Candela at center: 13300 cd

## ISO LUX DIAGRAM



3%	3,99 lx
5%	6,65 lx
10%	13,3 lx
30%	39,9 lx
50%	66,5 lx

### Conditions:

Number of c-planes: 2

Lux at center: 133 lx

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



Total lumen output:

2987 lm

Peak candela output:

46859 cd

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

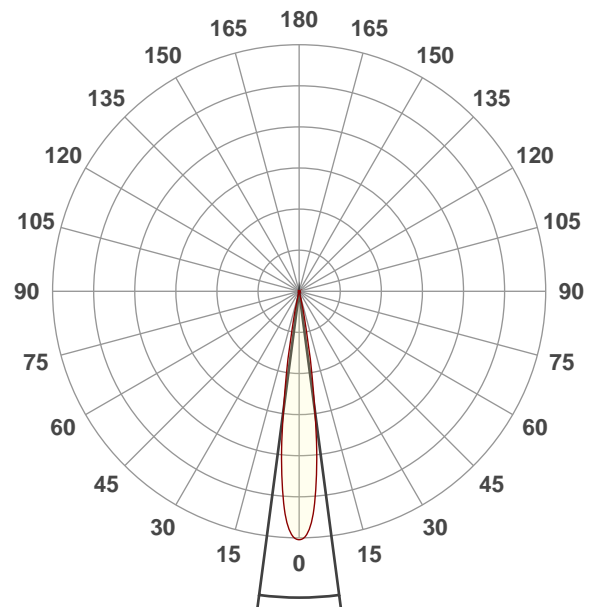
Full On

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:13:36

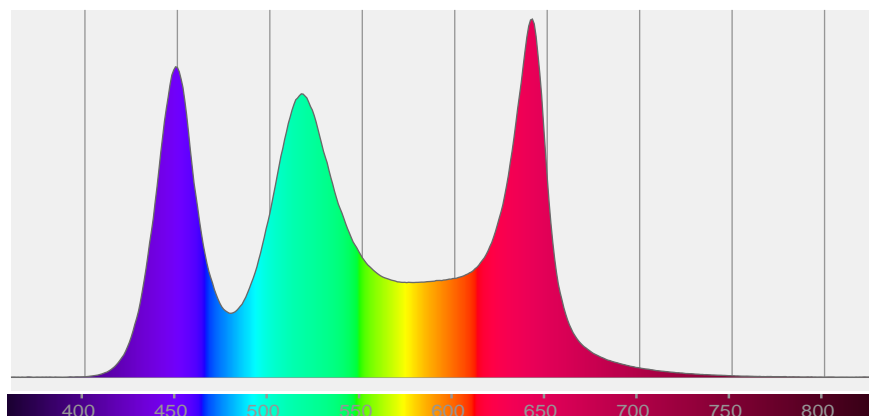


Beam angle 50%: 15°

Field angle 10%: 23,1°

Cut off angle 2.5%: 26,8°

## Spectra

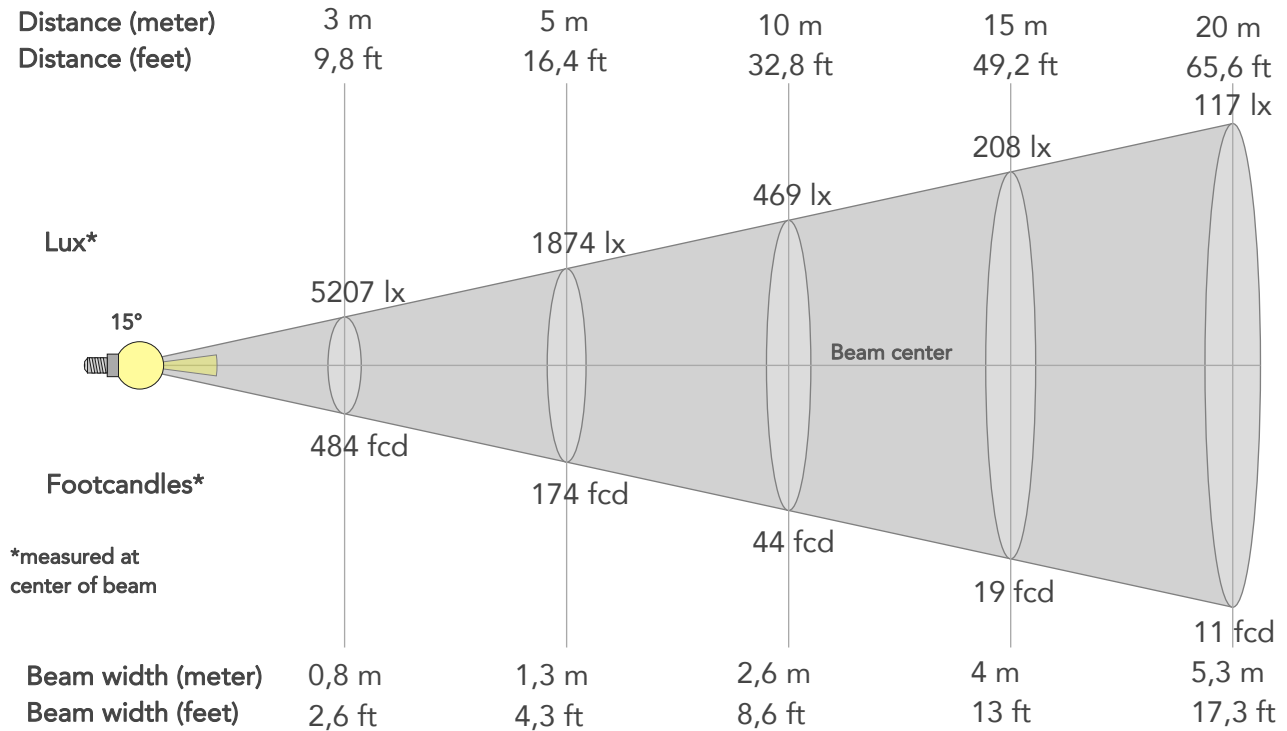




## BEAM DETAILS



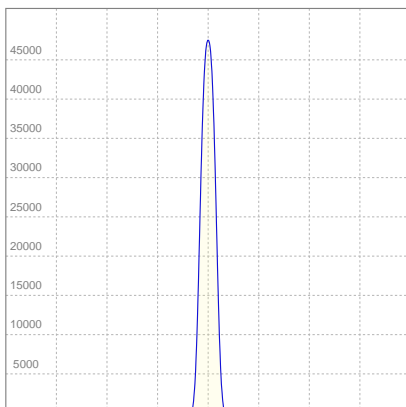
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	23,1°	26,8°	99,0%	98,9%



### 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	46859lx	11715lx	5207lx	2929lx	1874lx	833lx	469lx	208lx	117lx	75lx	52lx	29lx	19lx
Footcand.	4353fcd	1088fcd	484fcd	272fcd	174fcd	77fcd	44fcd	19fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,5m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,6ft	13ft	17,3ft	21,6ft	25,9ft	34,6ft	43,2ft

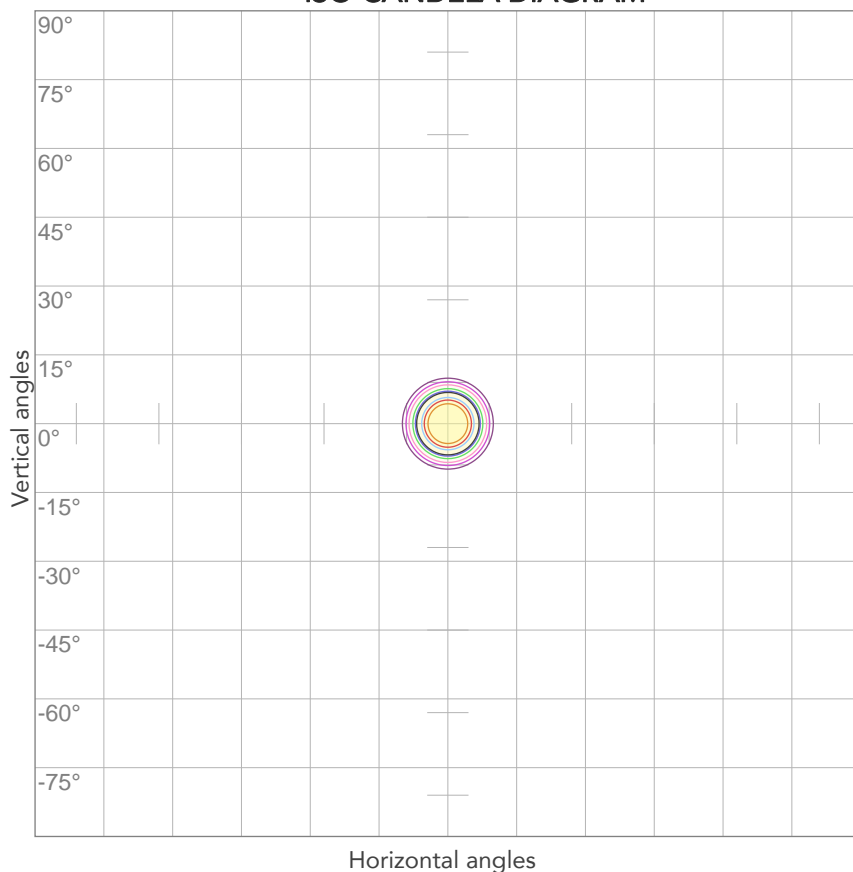
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
225V	1,14A	241,3W	12lm/W

## ISO CANDELA DIAGRAM



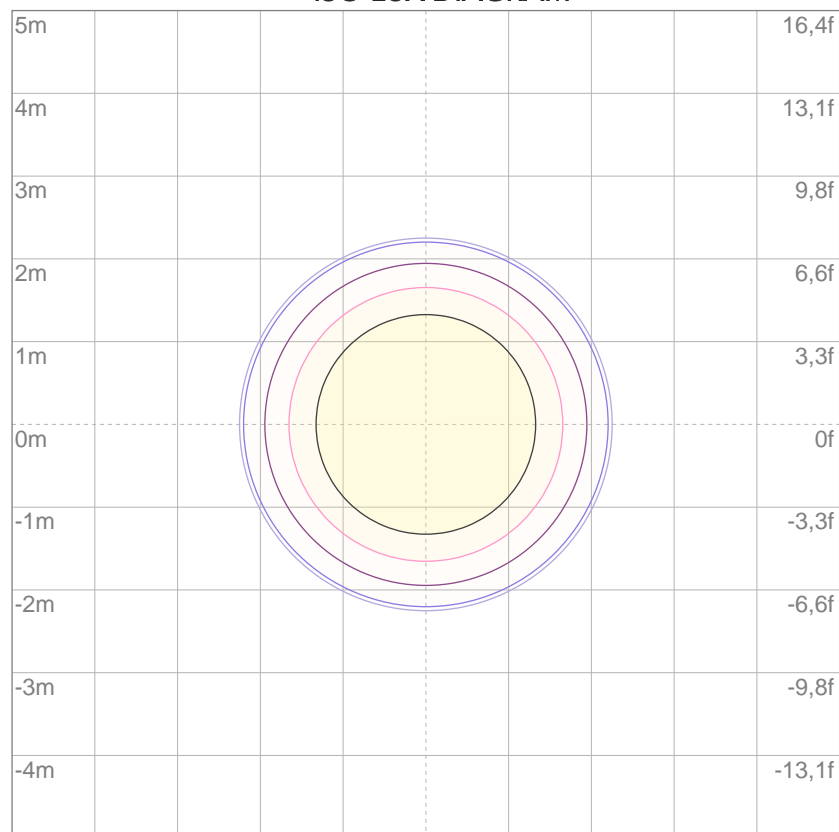
10%	4686 cd
20%	9372 cd
30%	14058 cd
40%	18744 cd
50%	23430 cd
60%	28116 cd
70%	32801 cd
80%	37487 cd

### Conditions:

Number of c-planes: 2

Candela at center: 46859 cd

## ISO LUX DIAGRAM



3%	14,1 lx
5%	23,4 lx
10%	46,9 lx
30%	141 lx
50%	234 lx

### Conditions:

Number of c-planes: 2

Lux at center: 469 lx

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



Total lumen output:

2888 lm

Peak candela output:

165771 cd

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

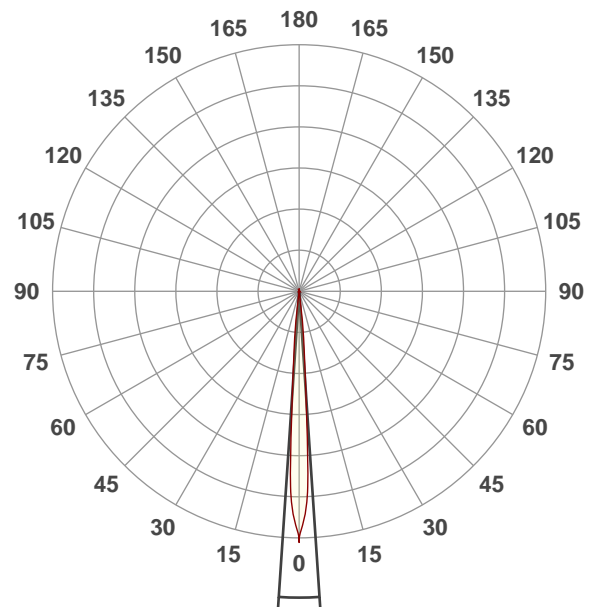
Full On

Operator:

Paolo Carvone

Date and time:

12/03/2020 10:45:56

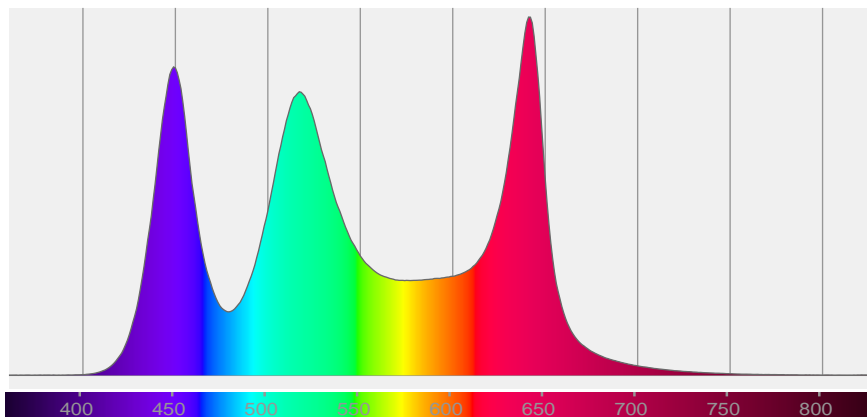


Beam angle 50%: 7,6°

Field angle 10%: 12,9°

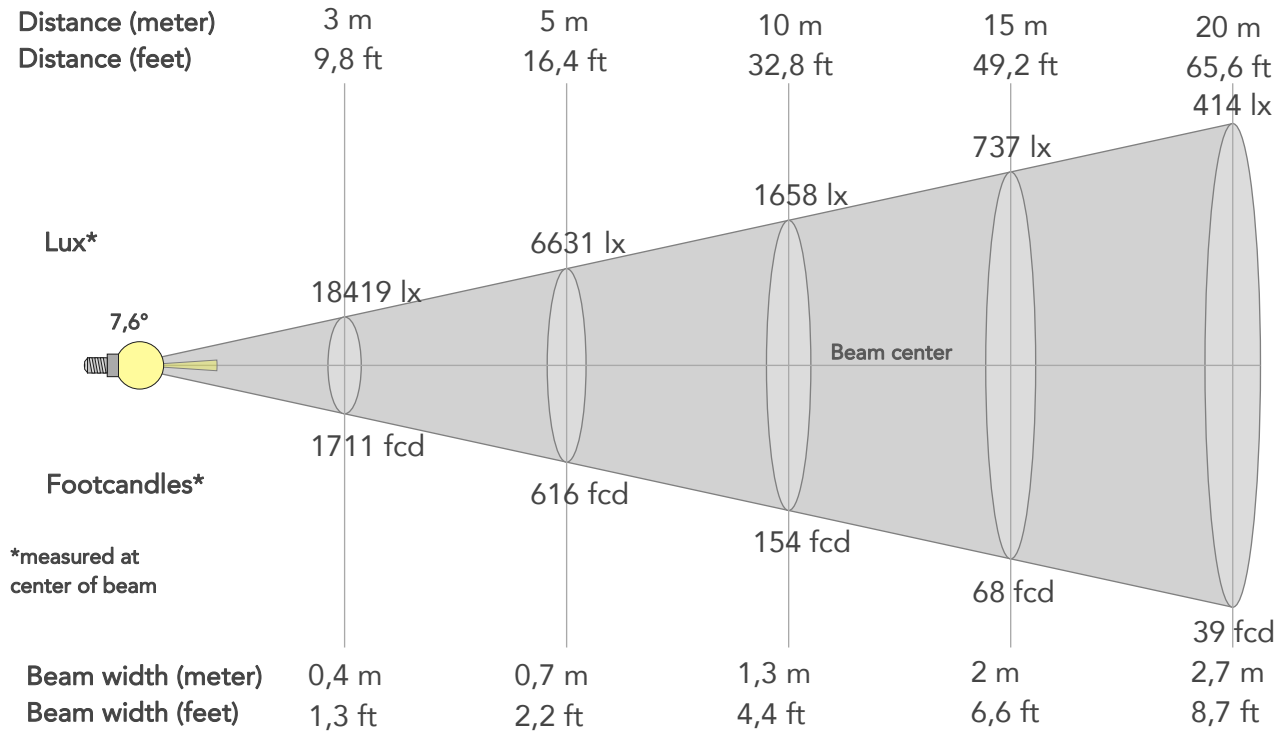
Cut off angle 2.5%: 14,6°

## Spectra



## BEAM DETAILS

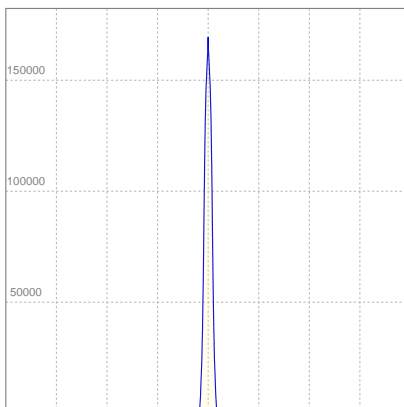
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,6°	12,9°	14,6°	98,4%	98,1%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	165771lx	41443lx	18419lx	10361lx	6631lx	2947lx	1658lx	737lx	414lx	265lx	184lx	104lx	66lx
Footcand.	15401fcd	3850fcd	1711fcd	963fcd	616fcd	274fcd	154fcd	68fcd	39fcd	25fcd	17fcd	10fcd	6fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,7m	1m	1,3m	2m	2,7m	3,3m	4m	5,3m	6,7m
Beam wid.	0,4ft	0,9ft	1,3ft	1,7ft	2,2ft	3,3ft	4,4ft	6,6ft	8,7ft	10,9ft	13,1ft	17,5ft	21,9ft

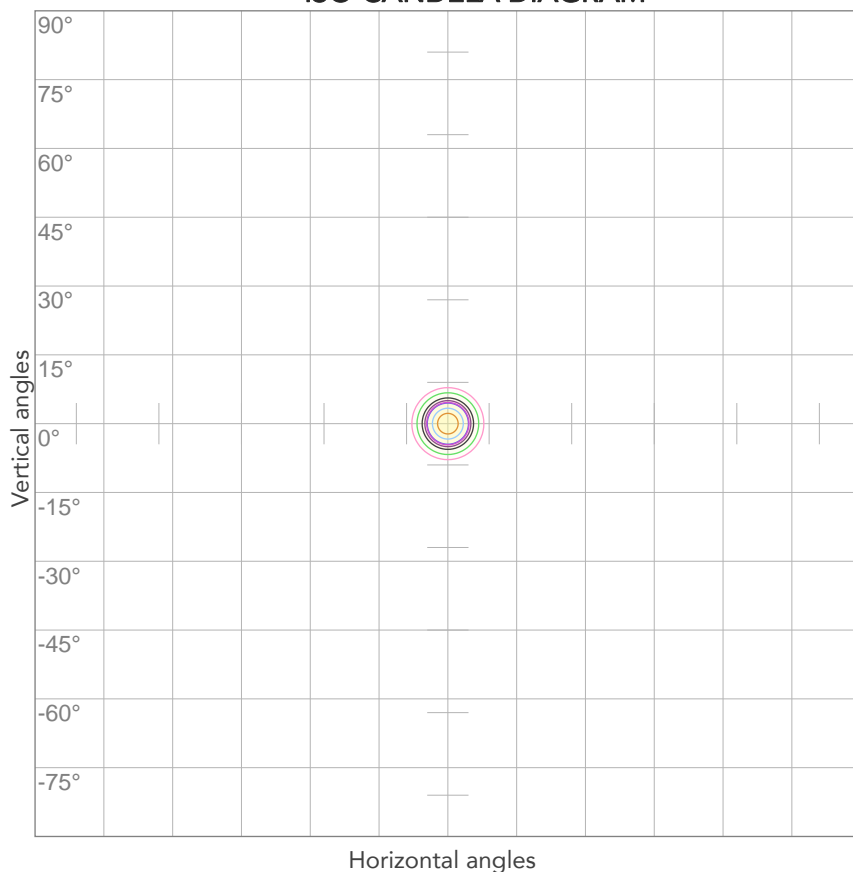
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,13A	239,6W	12lm/W

## ISO CANDELA DIAGRAM



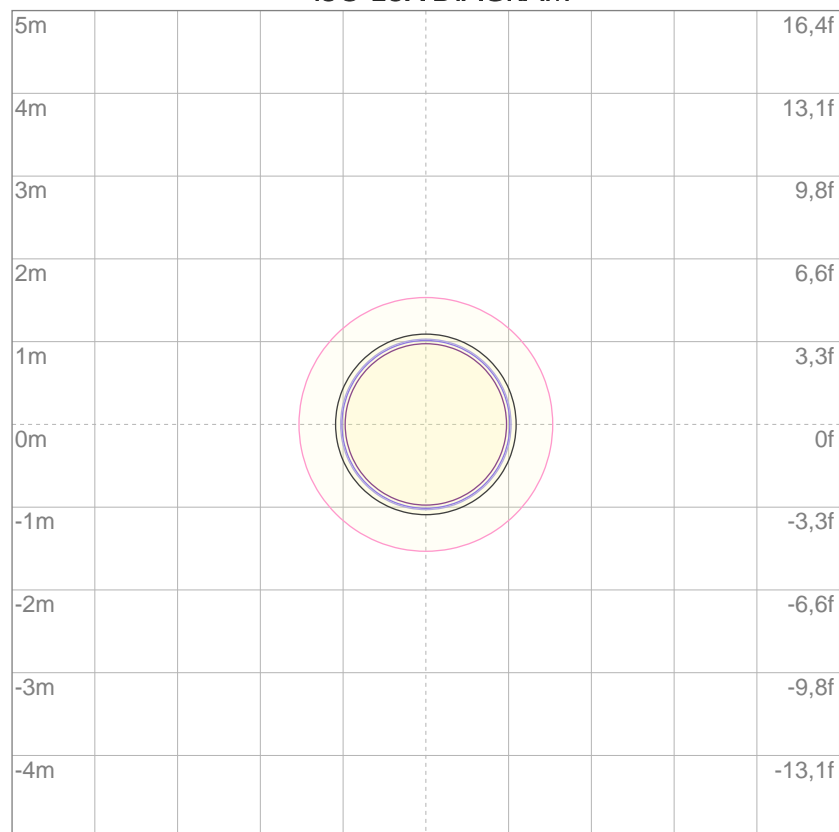
10%	16577 cd
20%	33154 cd
30%	49731 cd
40%	66308 cd
50%	82886 cd
60%	99463 cd
70%	116040 cd
80%	132617 cd

### Conditions:

Number of c-planes: 2

Candela at center: 165771 cd

## ISO LUX DIAGRAM



3%	49,7 lx
5%	82,9 lx
10%	166 lx
30%	497 lx
50%	829 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1658 lx

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



Total lumen output:

436 lm

Peak candela output:

1908 cd

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

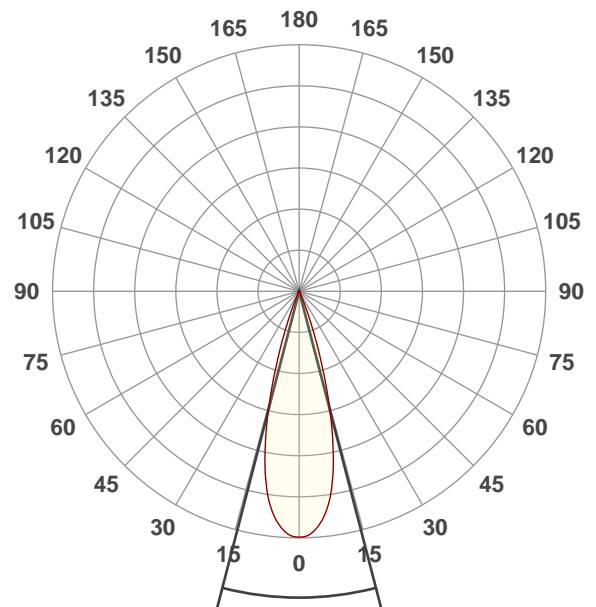
Red

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:07:13

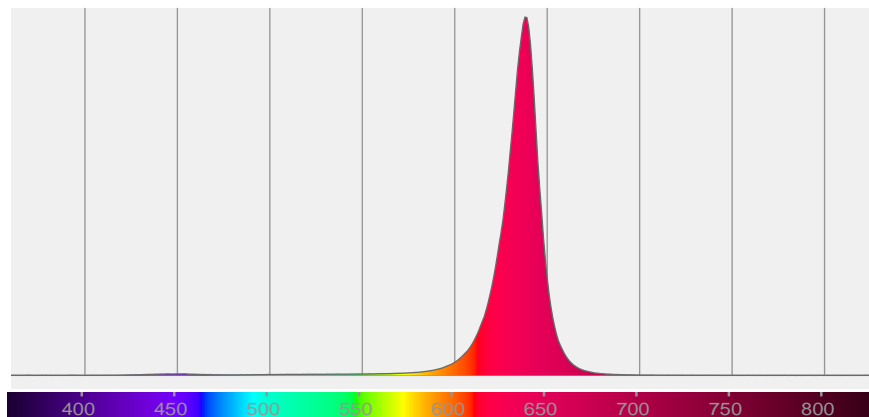


Beam angle 50%: 29°

Field angle 10%: 42,8°

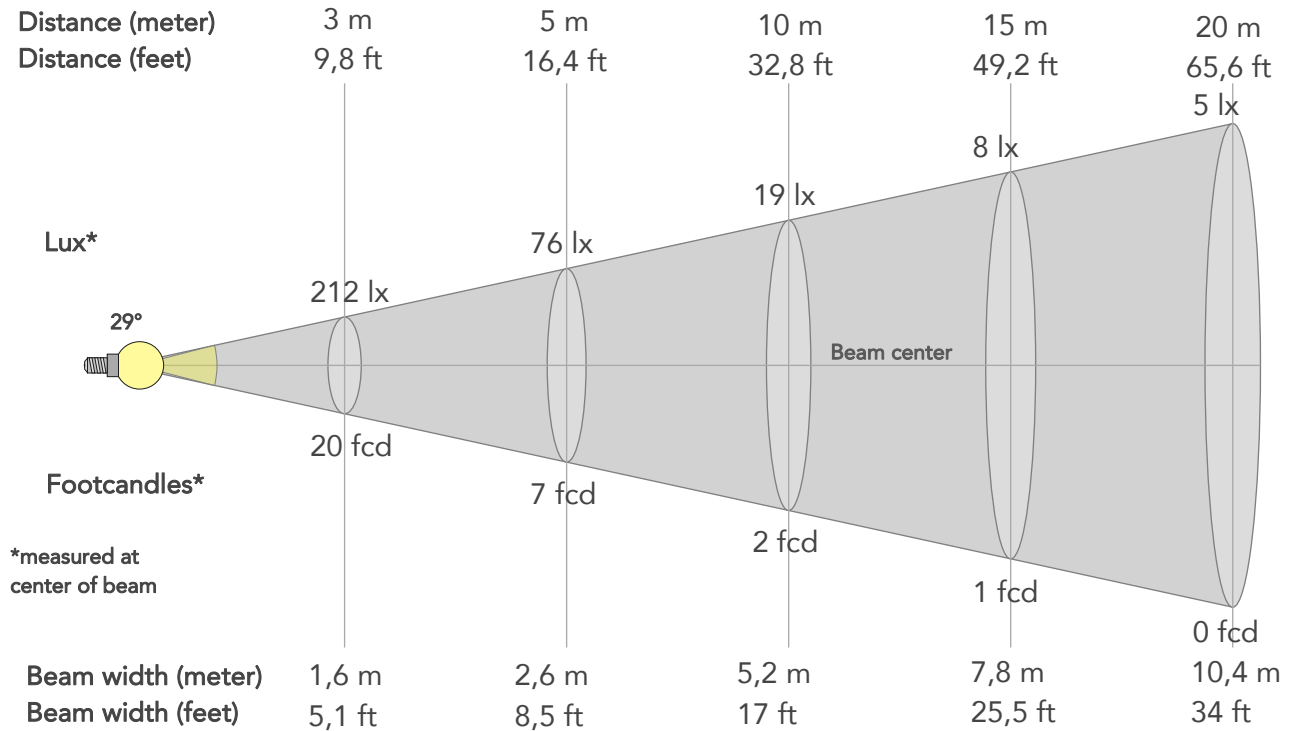
Cut off angle 2.5%: 49,2°

## Spectra



## BEAM DETAILS

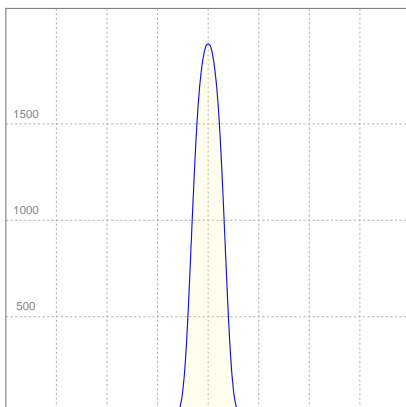
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29°	42,8°	49,2°	98,4%	98,2%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	1908lx	477lx	212lx	119lx	76lx	34lx	19lx	8lx	5lx	3lx	2lx	1lx	1lx
Footcand.	177fcd	44fcd	20fcd	11fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,4m	12,9m	15,5m	20,7m	25,9m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,7ft	17ft	25,5ft	34ft	42,5ft	51ft	67,9ft	84,9ft

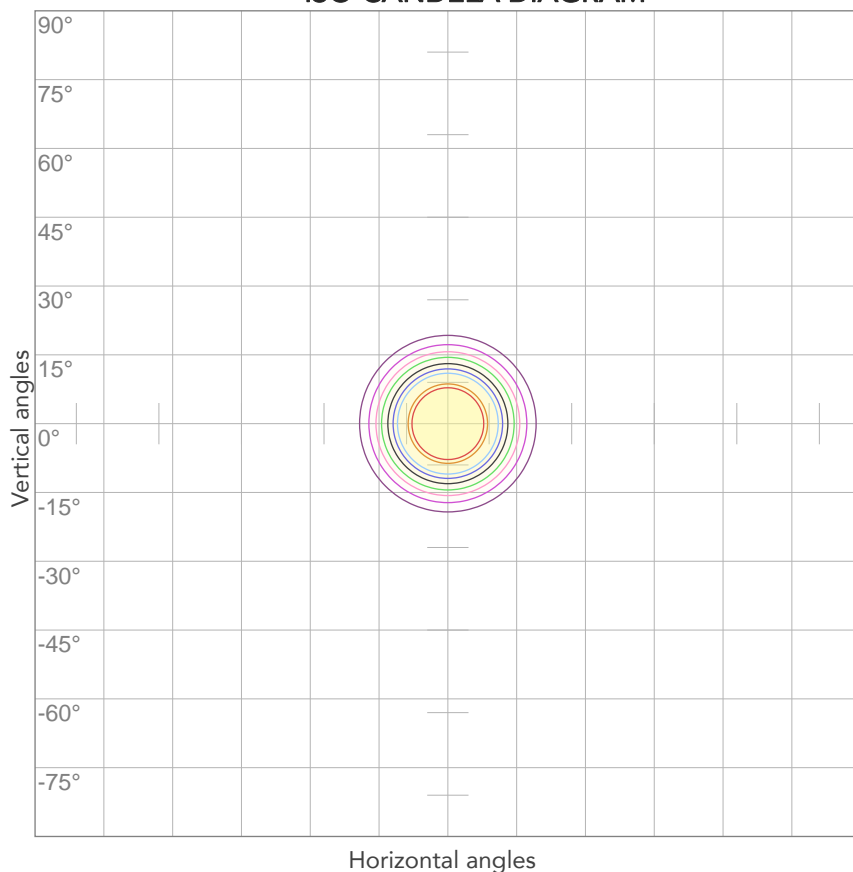
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,447A	83,2W	5lm/W

## ISO CANDELA DIAGRAM



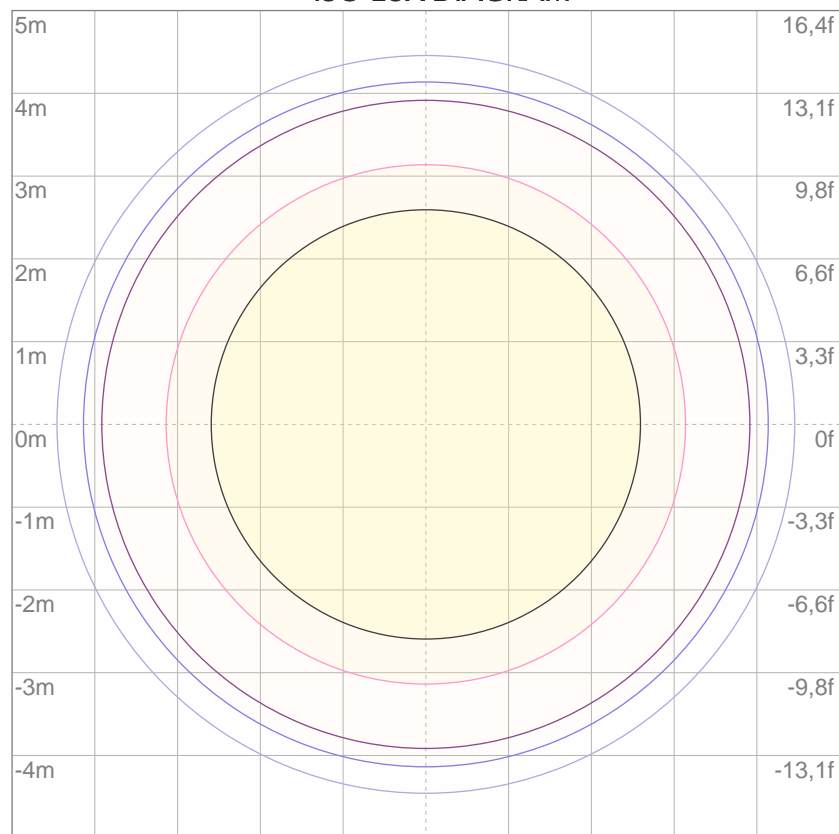
10%	191 cd
20%	382 cd
30%	572 cd
40%	763 cd
50%	954 cd
60%	1145 cd
70%	1335 cd
80%	1526 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1908 cd

## ISO LUX DIAGRAM



3%	0,572 lx
5%	0,954 lx
10%	1,91 lx
30%	5,72 lx
50%	9,54 lx

### Conditions:

Number of c-planes: 2

Lux at center: 19,1 lx

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





Total lumen output:

462 lm

Peak candela output:

6771 cd

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

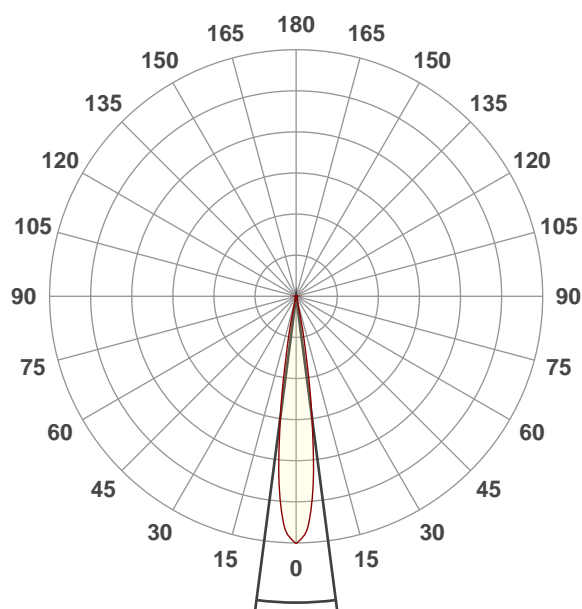
Red

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:05:42

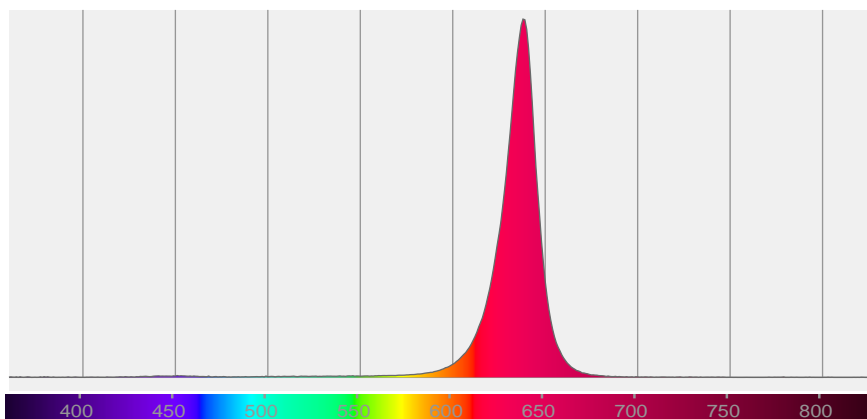


Beam angle 50%: 14,9°

Field angle 10%: 23,5°

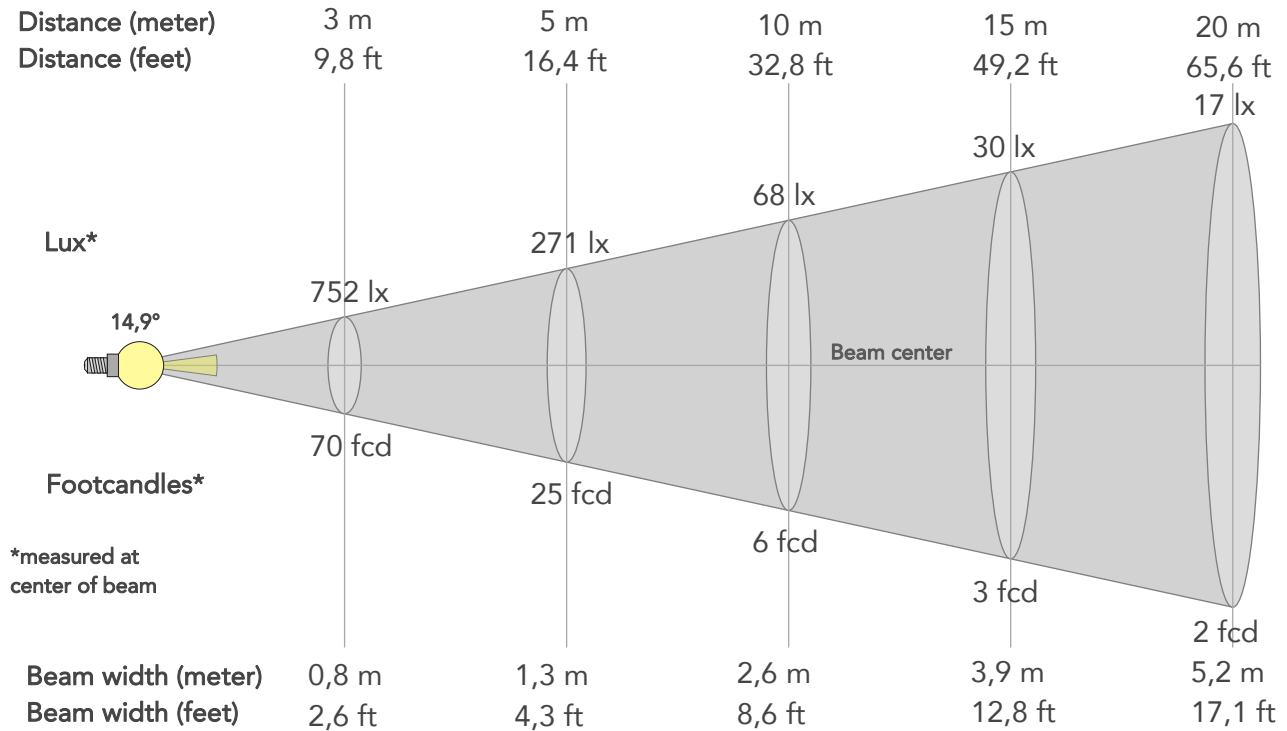
Cut off angle 2.5%: 27,7°

## Spectra



## BEAM DETAILS

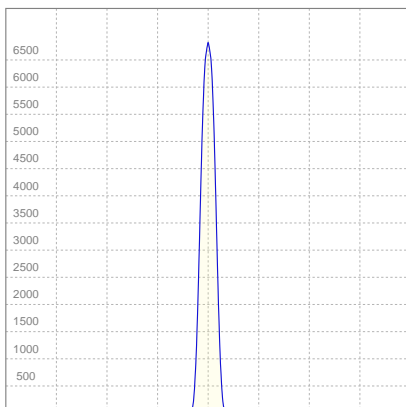
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,9°	23,5°	27,7°	94,8%	93,7%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	6771lx	1693lx	752lx	423lx	271lx	120lx	68lx	30lx	17lx	11lx	8lx	4lx	3lx
Footcand.	629fcd	157fcd	70fcd	39fcd	25fcd	11fcd	6fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	2m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13,1m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,4ft	8,6ft	12,8ft	17,1ft	21,4ft	25,7ft	34,3ft	42,8ft

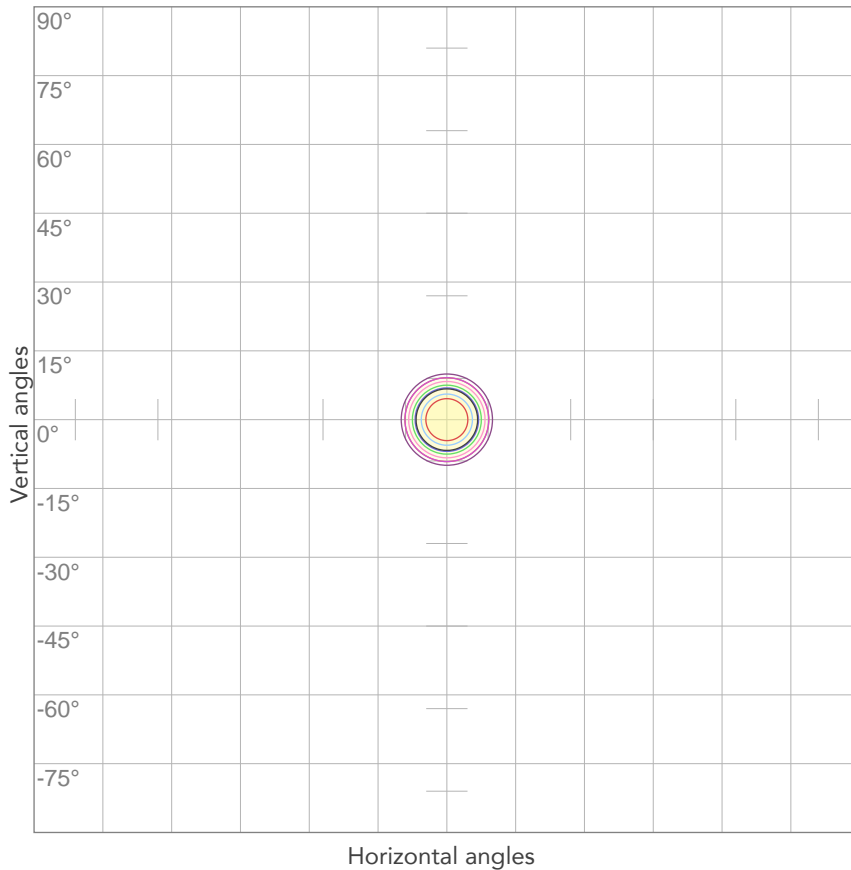
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,460A	86,3W	5lm/W

## ISO CANDELA DIAGRAM



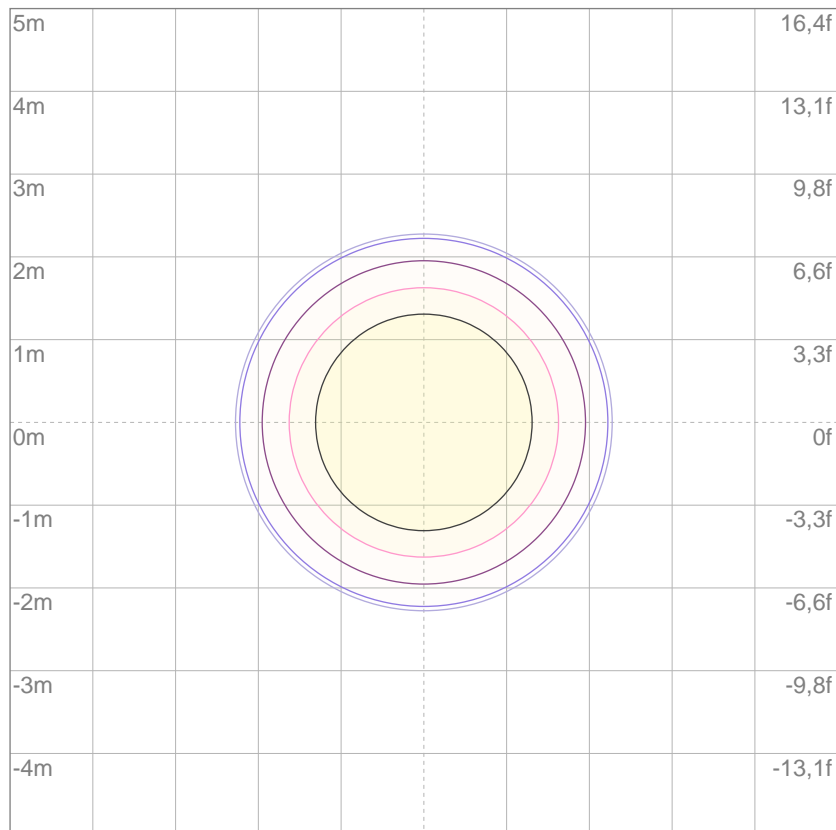
10%	677 cd
20%	1354 cd
30%	2031 cd
40%	2708 cd
50%	3385 cd
60%	4063 cd
70%	4740 cd
80%	5417 cd

### Conditions:

Number of c-planes: 2

Candela at center: 6771 cd

## ISO LUX DIAGRAM



3%	2,03 lx
5%	3,39 lx
10%	6,77 lx
30%	20,3 lx
50%	33,9 lx

### Conditions:

Number of c-planes: 2

Lux at center: 67,7 lx

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



Total lumen output:

462 lm

Peak candela output:

25143 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

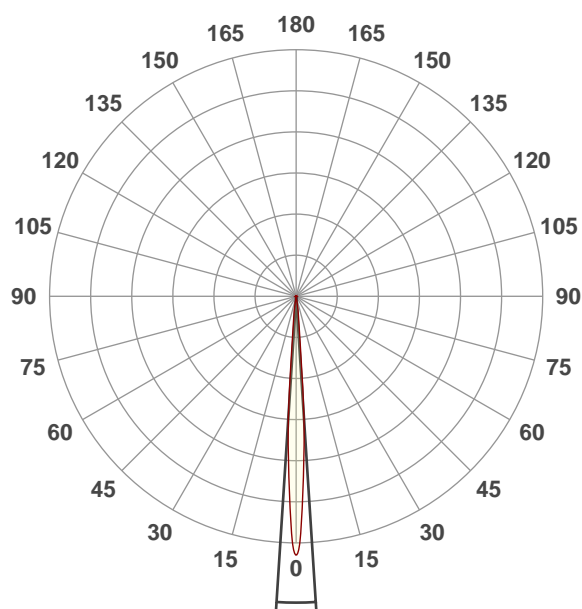
Red

Operator:

Paolo Carvone

Date and time:

12/03/2020 10:48:31

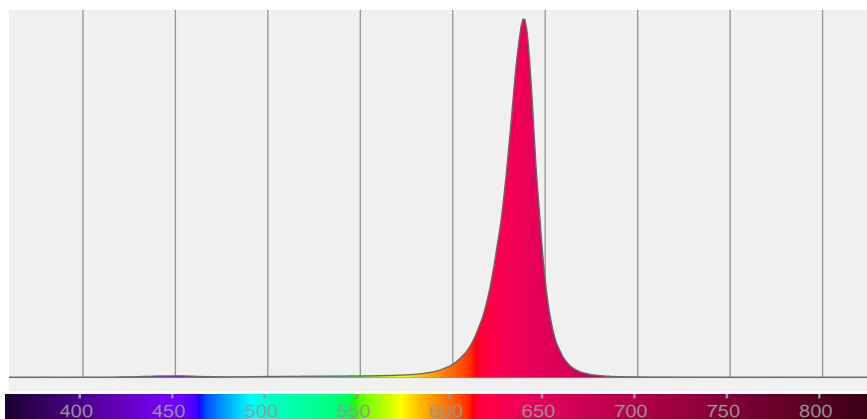


Beam angle 50%: 7,3°

Field angle 10%: 12,3°

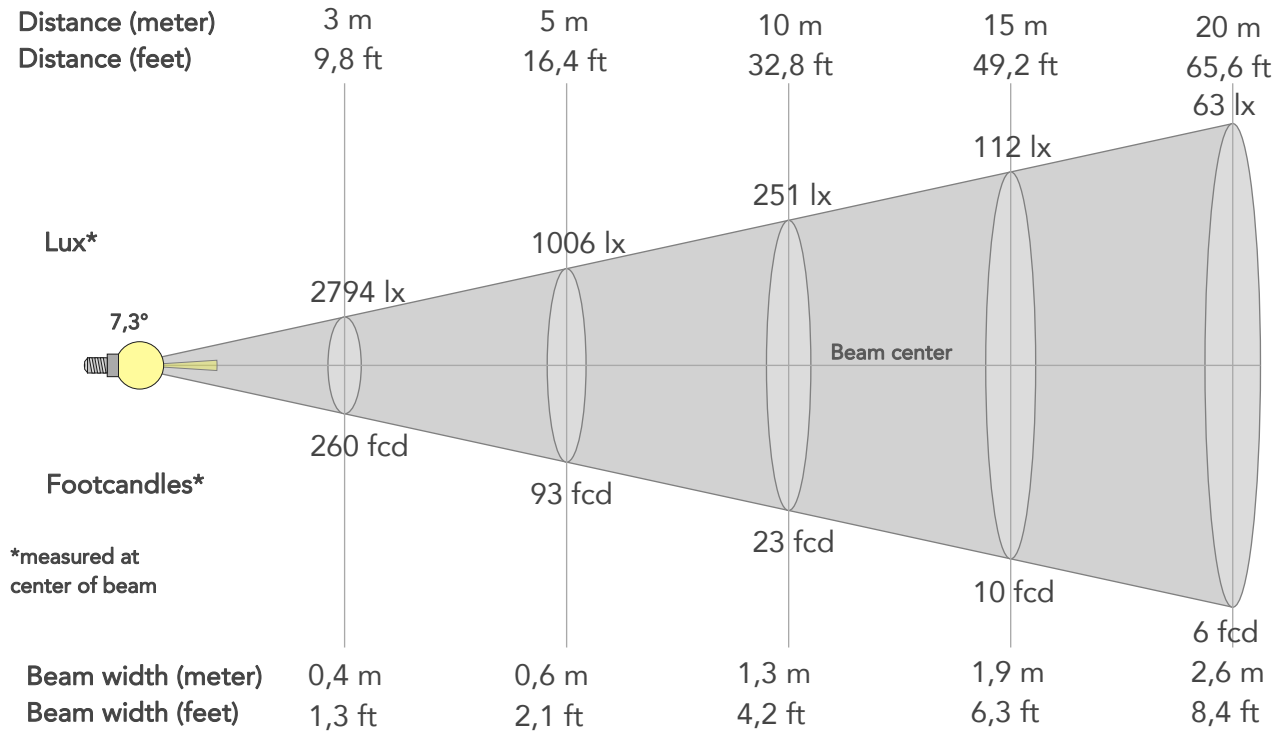
Cut off angle 2.5%: 15,9°

## Spectra



## BEAM DETAILS

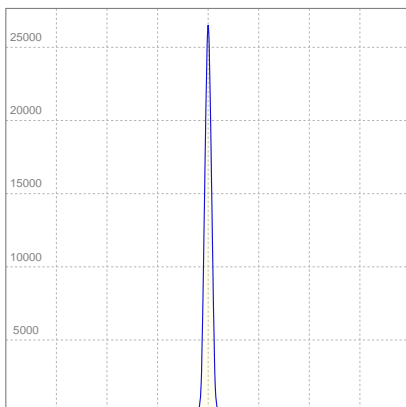
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,3°	12,3°	15,9°	94,0%	92,7%



### 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	25143lx	6286lx	2794lx	1571lx	1006lx	447lx	251lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2336fcd	584fcd	260fcd	146fcd	93fcd	42fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
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	3,2ft	4,2ft	6,3ft	8,4ft	10,5ft	12,6ft	16,8ft	21ft

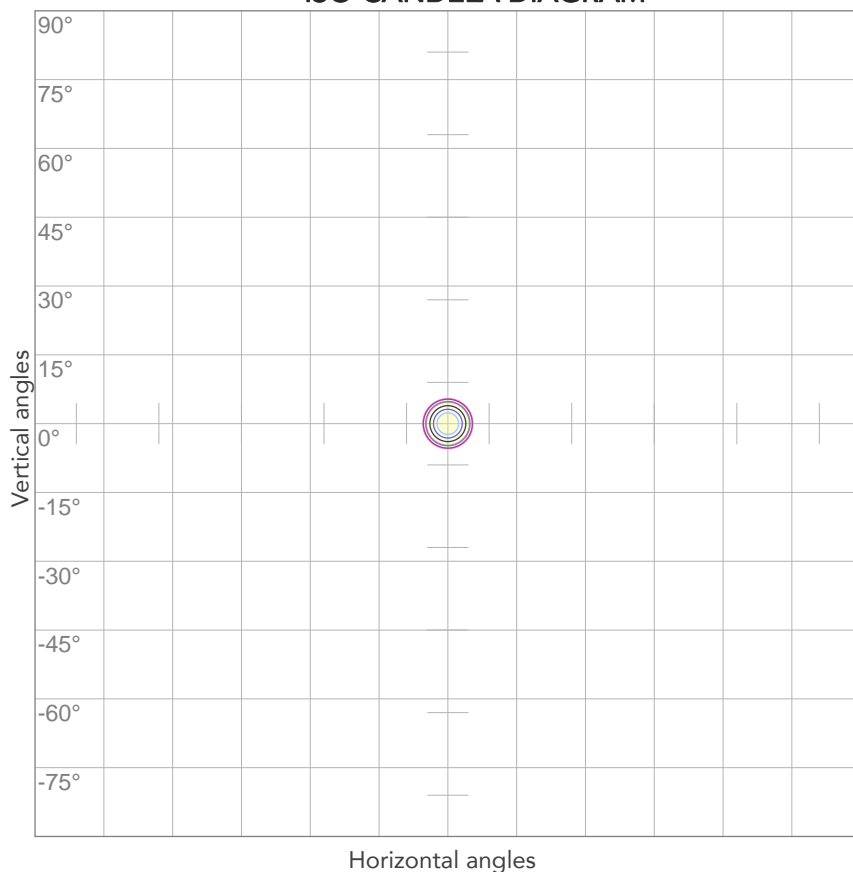
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,453A	84,5W	5lm/W

## ISO CANDELA DIAGRAM



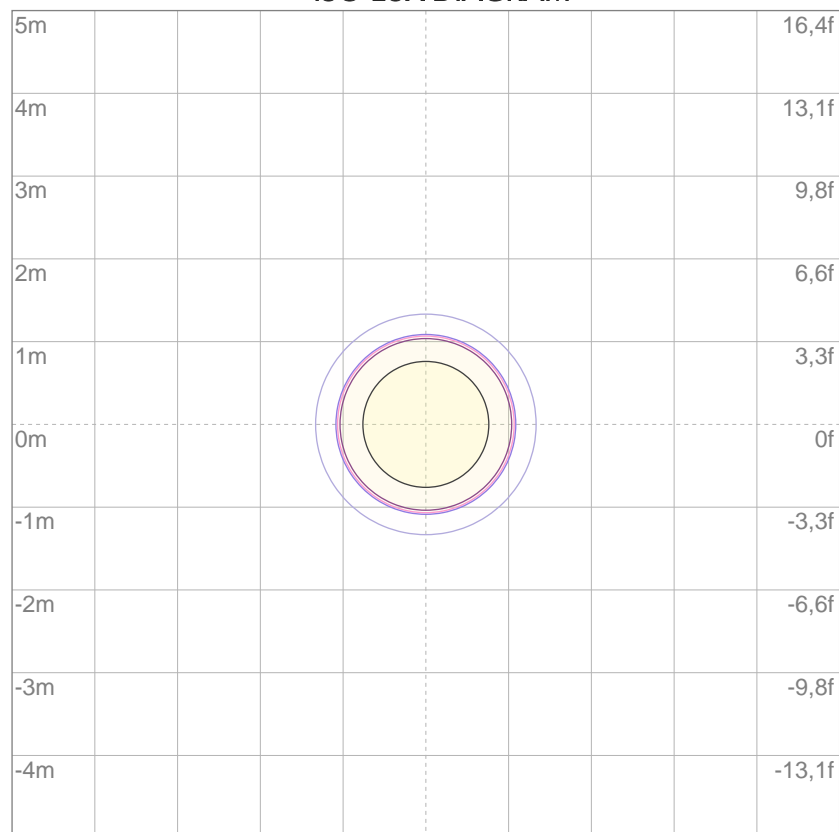
10%	2514 cd
20%	5029 cd
30%	7543 cd
40%	10057 cd
50%	12572 cd
60%	15086 cd
70%	17600 cd
80%	20115 cd

### Conditions:

Number of c-planes: 2

Candela at center: 25143 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:

1382 lm

Peak candela output:

5995 cd

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

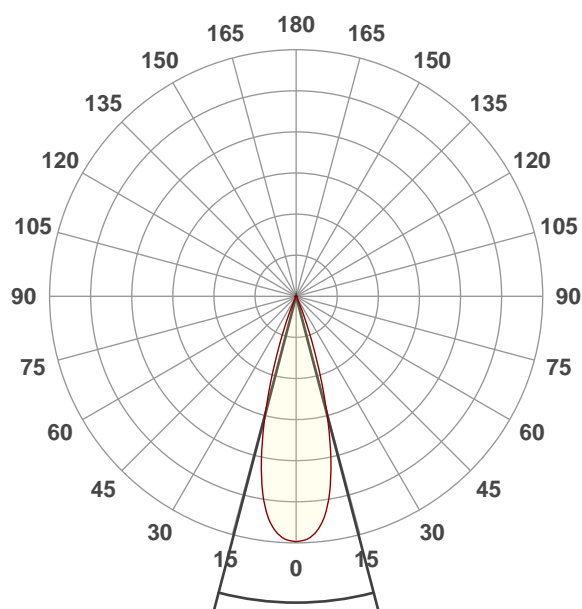
Green

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:08:42

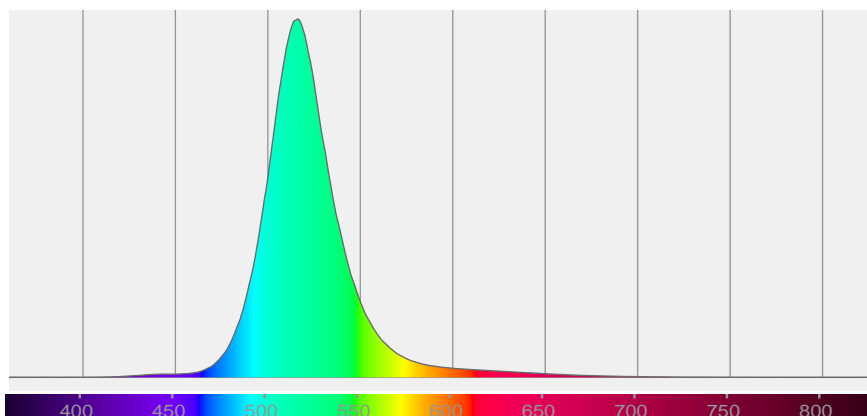


Beam angle 50%: 29,3°

Field angle 10%: 42,7°

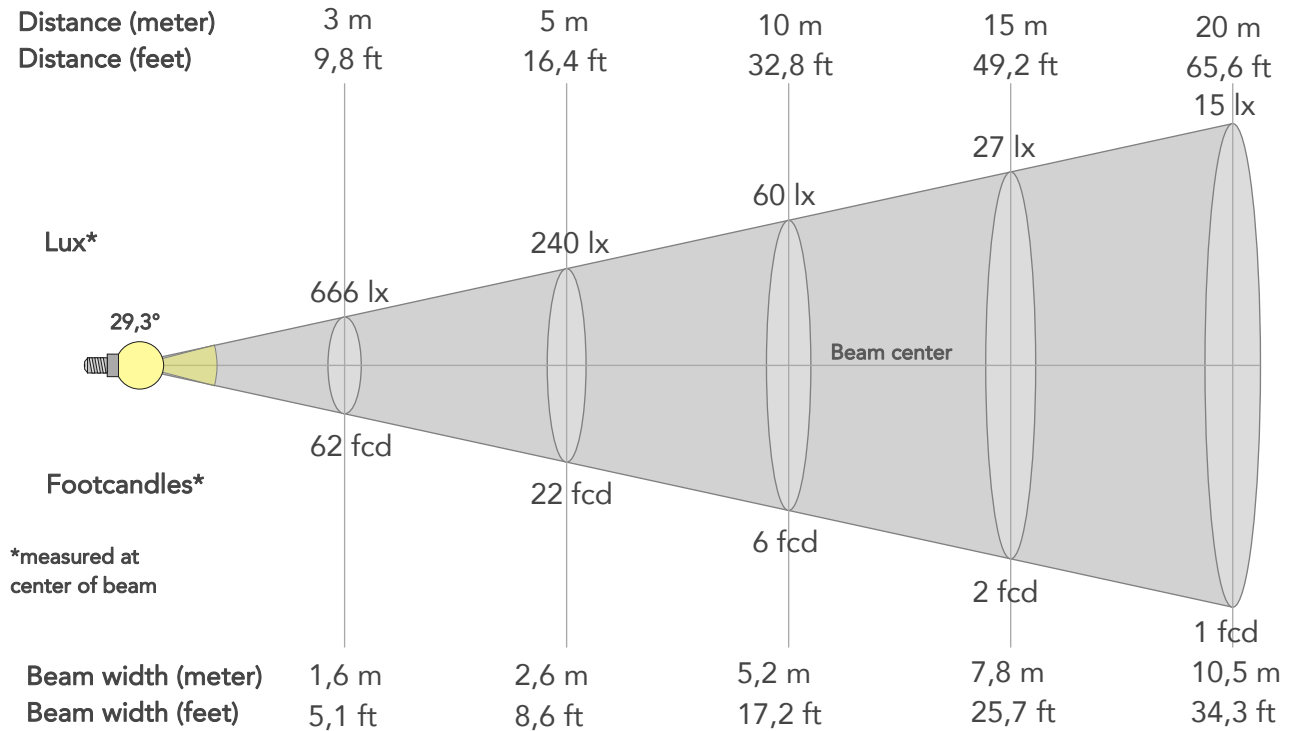
Cut off angle 2.5%: 49,3°

## Spectra



## BEAM DETAILS

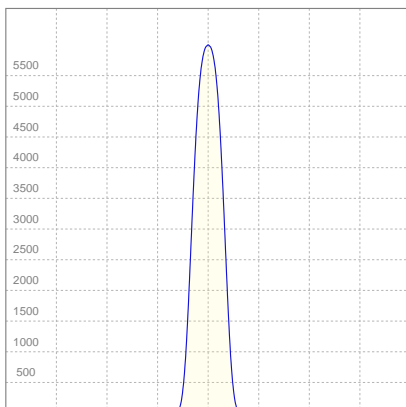
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,3°	42,7°	49,3°	98,8%	98,6%



### 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	5995lx	1499lx	666lx	375lx	240lx	107lx	60lx	27lx	15lx	10lx	7lx	4lx	2lx
Footcand.	557fcd	139fcd	62fcd	35fcd	22fcd	10fcd	6fcd	2fcd	1fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,5m	13,1m	15,7m	20,9m	26,2m
Beam wid.	1,7ft	3,5ft	5,1ft	6,9ft	8,6ft	12,9ft	17,2ft	25,7ft	34,3ft	42,9ft	51,5ft	68,7ft	85,8ft

### LINEAR DISTRIBUTION DIAGRAM

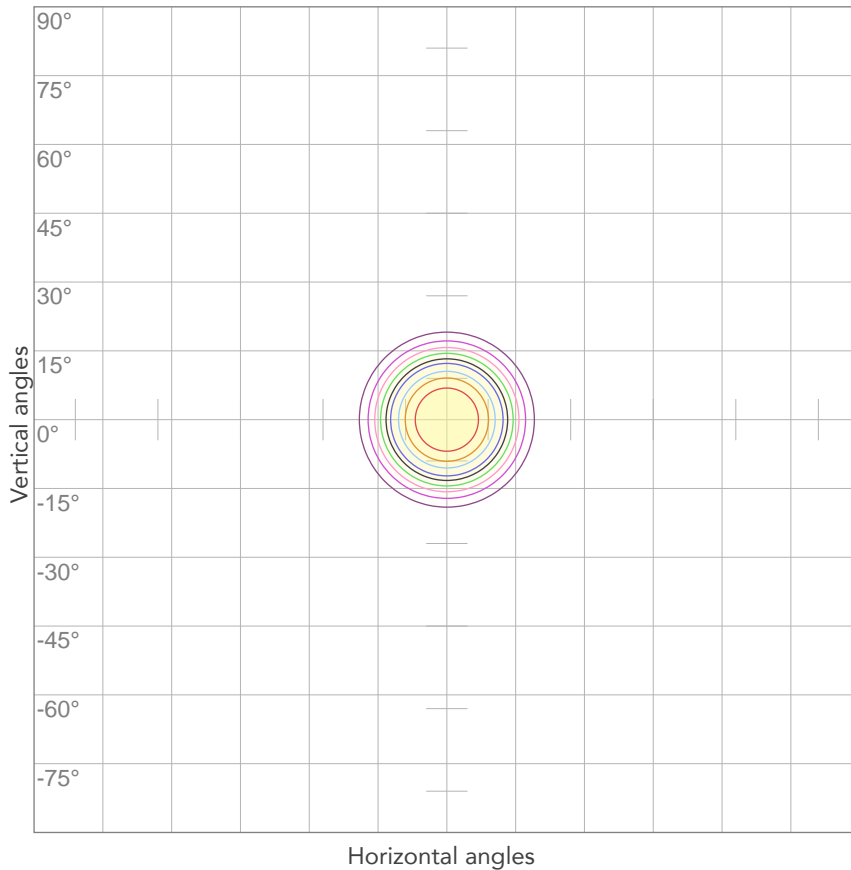


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Efficiency
227V	0,551A	107,5W	13lm/W



## ISO CANDELA DIAGRAM



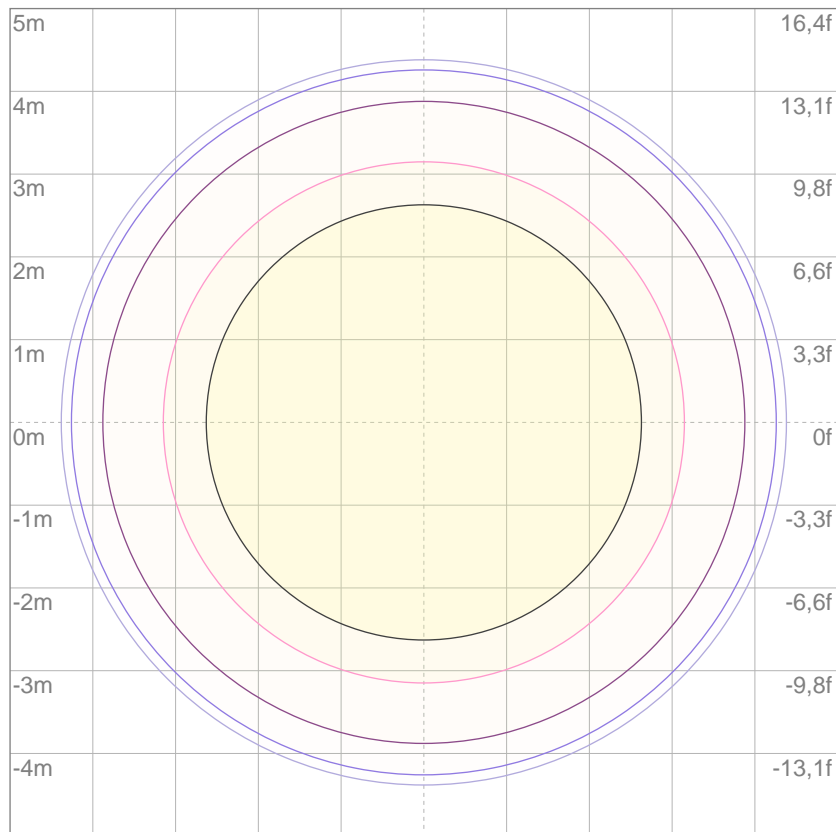
10%	599 cd
20%	1199 cd
30%	1798 cd
40%	2398 cd
50%	2997 cd
60%	3597 cd
70%	4196 cd
80%	4796 cd

### Conditions:

Number of c-planes: 2

Candela at center: 5995 cd

## ISO LUX DIAGRAM



3%	1,80 lx
5%	3,00 lx
10%	5,99 lx
30%	18,0 lx
50%	30,0 lx

### Conditions:

Number of c-planes: 2

Lux at center: 59,9 lx

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



Total lumen output:

1375 lm

Peak candela output:

21319 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

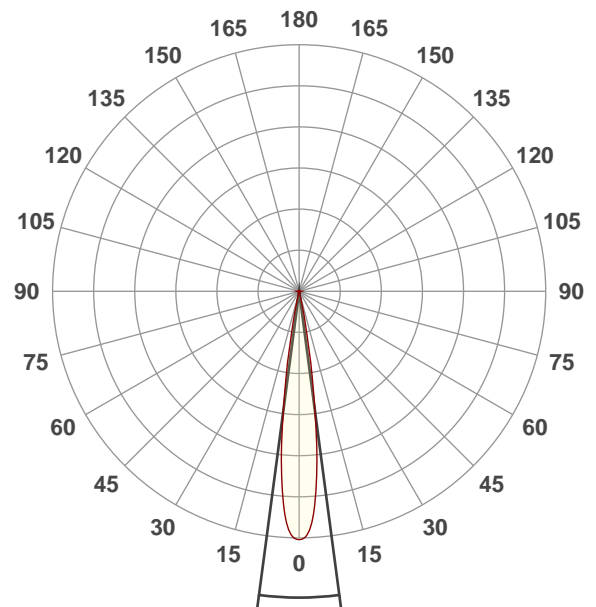
Green

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:15:08

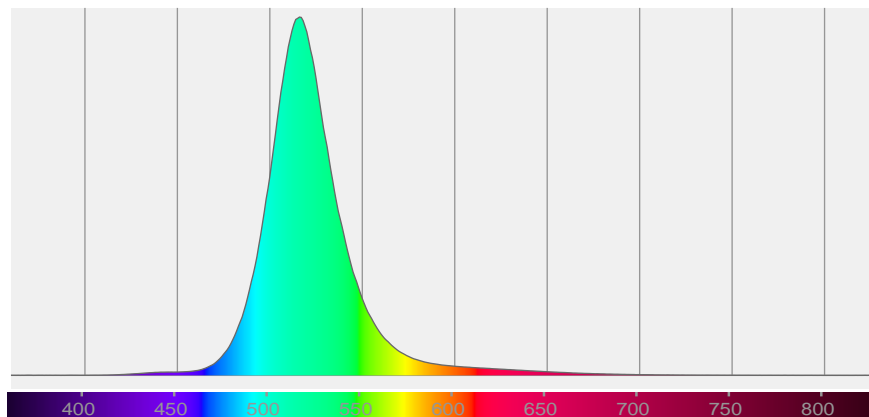


Beam angle 50%: 15,1°

Field angle 10%: 23,2°

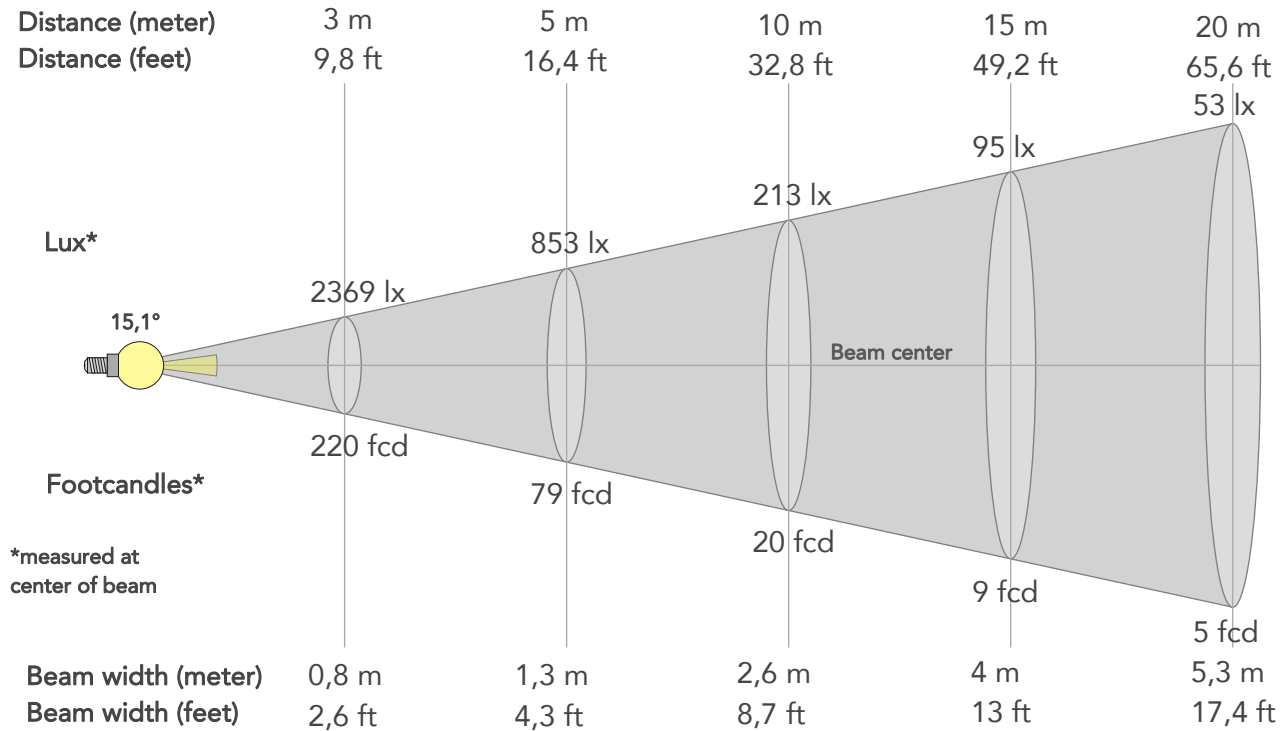
Cut off angle 2.5%: 26,5°

## Spectra



## BEAM DETAILS

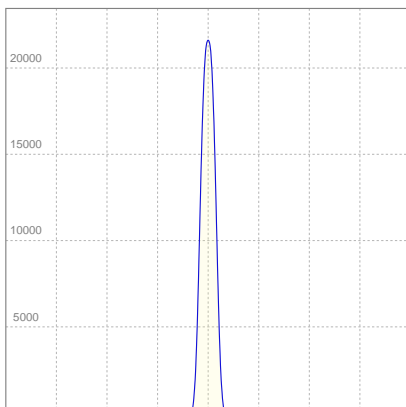
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,1°	23,2°	26,5°	98,6%	98,4%



### 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	21319lx	5330lx	2369lx	1332lx	853lx	379lx	213lx	95lx	53lx	34lx	24lx	13lx	9lx
Footcand.	1981fcd	495fcd	220fcd	124fcd	79fcd	35fcd	20fcd	9fcd	5fcd	3fcd	2fcd	1fcd	1fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,6m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,7ft	13ft	17,4ft	21,7ft	26ft	34,7ft	43,4ft

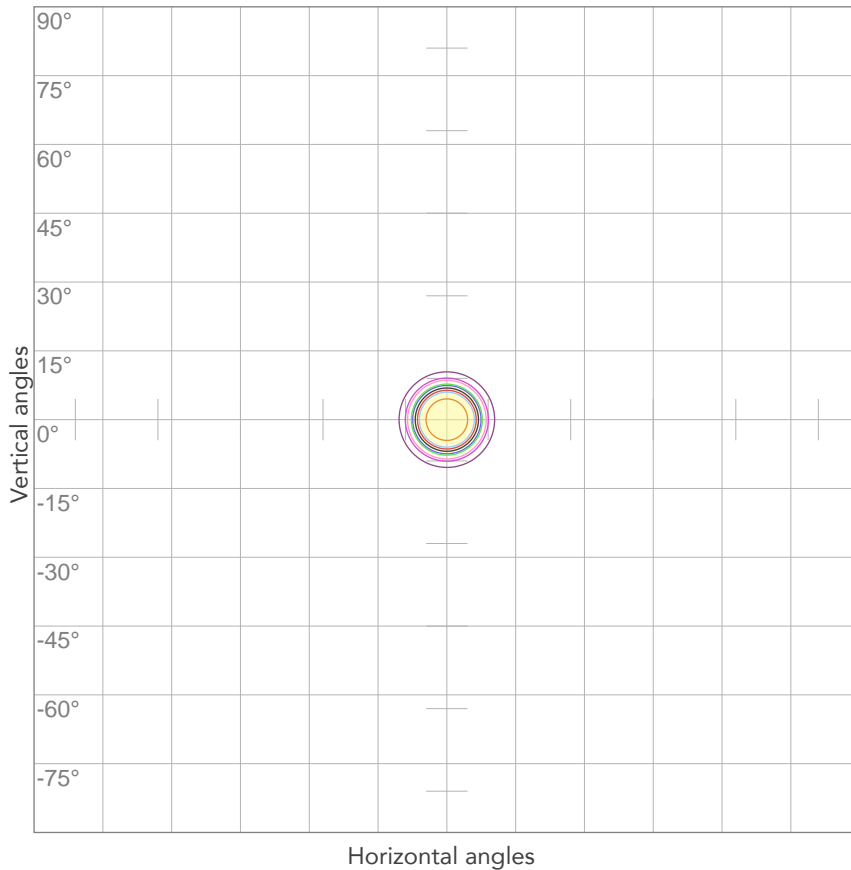
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,562A	110,2W	12lm/W

## ISO CANDELA DIAGRAM



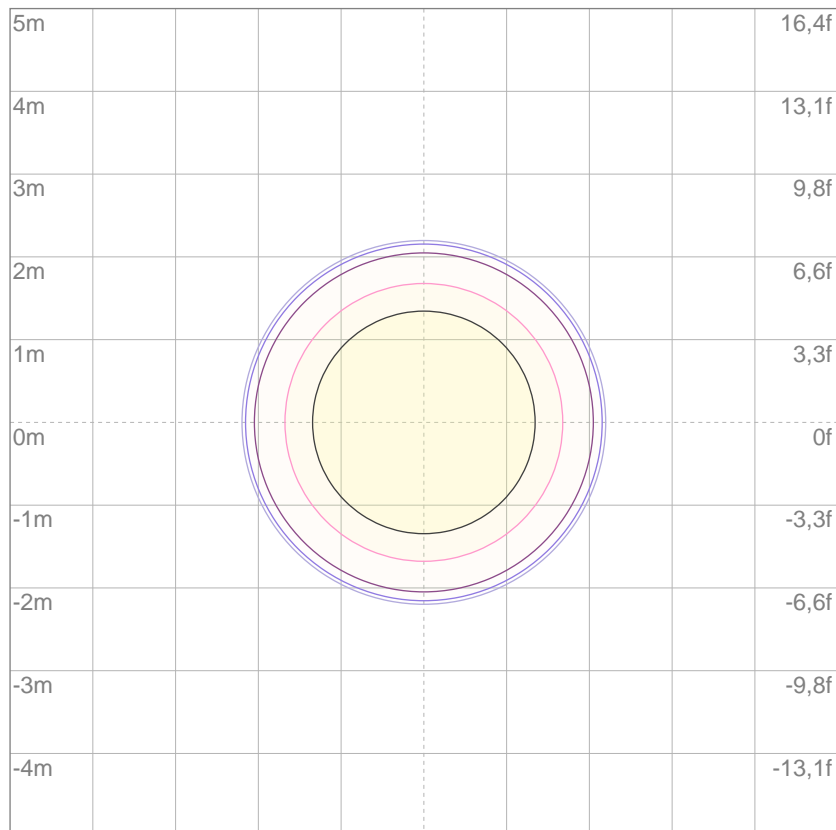
10%	2132 cd
20%	4264 cd
30%	6396 cd
40%	8528 cd
50%	10659 cd
60%	12791 cd
70%	14923 cd
80%	17055 cd

### Conditions:

Number of c-planes: 2

Candela at center: 21319 cd

## ISO LUX DIAGRAM



3%	6,40 lx
5%	10,7 lx
10%	21,3 lx
30%	64,0 lx
50%	107 lx

### Conditions:

Number of c-planes: 2

Lux at center: 213 lx

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



Total lumen output:

1335 lm

Peak candela output:

79430 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

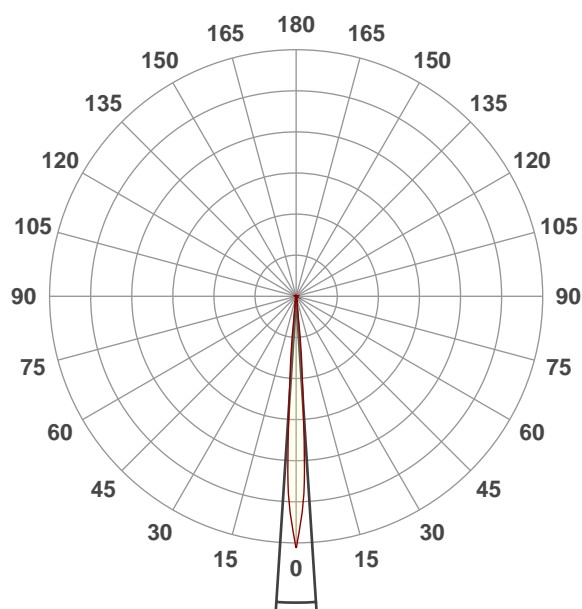
Green

Operator:

Paolo Carvone

Date and time:

12/03/2020 10:50:04

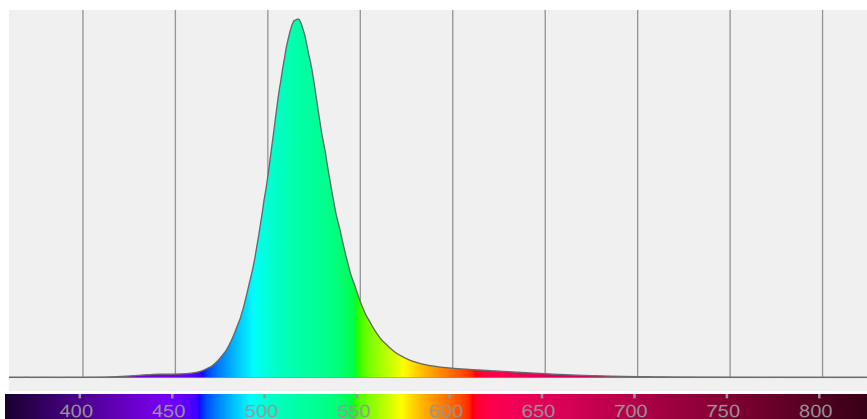


Beam angle 50%: 7,4°

Field angle 10%: 12,6°

Cut off angle 2.5%: 14,9°

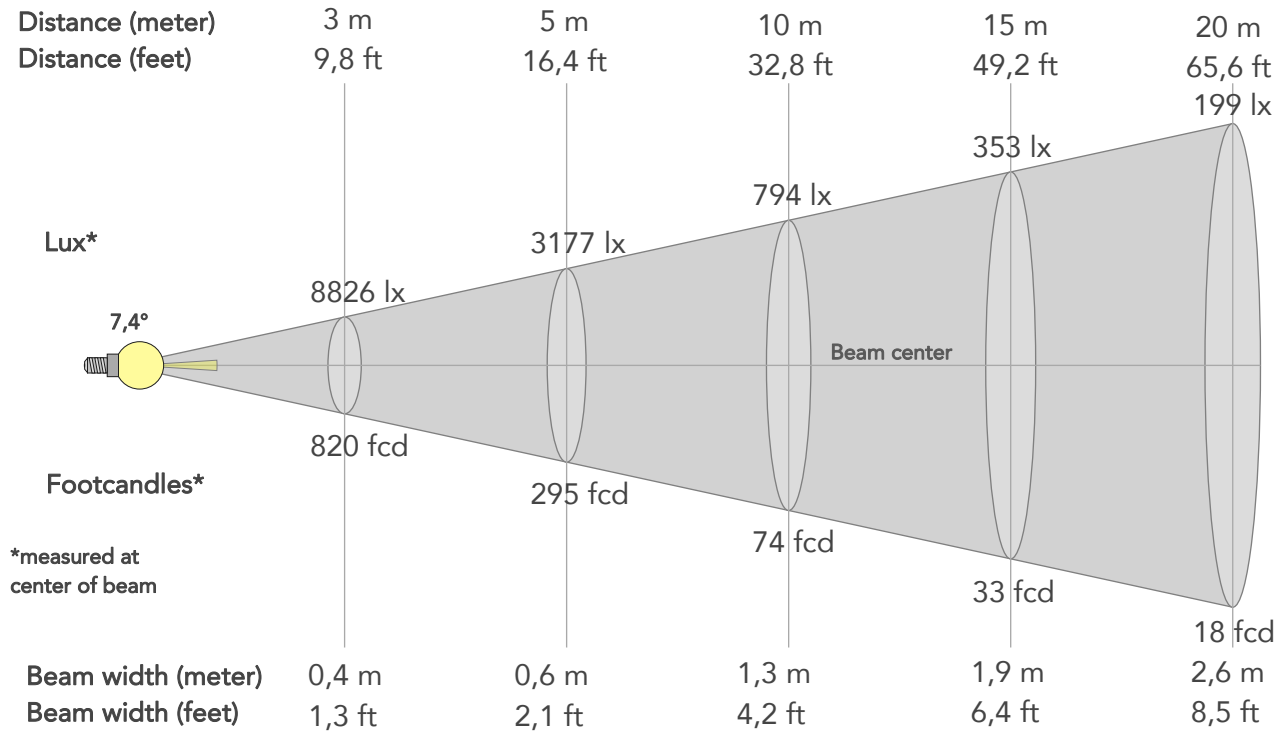
## Spectra



## BEAM DETAILS



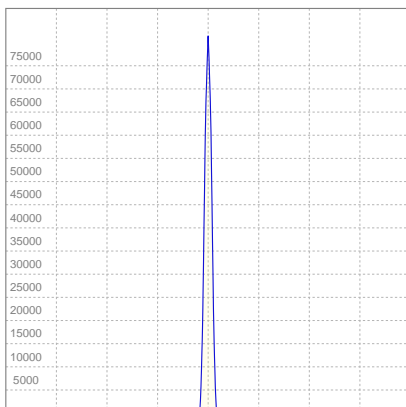
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,4°	12,6°	14,9°	98,7%	98,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	79430lx	19858lx	8826lx	4964lx	3177lx	1412lx	794lx	353lx	199lx	127lx	88lx	50lx	32lx
Footcand.	7379fcd	1845fcd	820fcd	461fcd	295fcd	131fcd	74fcd	33fcd	18fcd	12fcd	8fcd	5fcd	3fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,6m	1m	1,3m	1,9m	2,6m	3,2m	3,9m	5,2m	6,5m
Beam wid.	0,4ft	0,9ft	1,3ft	1,7ft	2,1ft	3,2ft	4,2ft	6,4ft	8,5ft	10,6ft	12,7ft	17ft	21,2ft

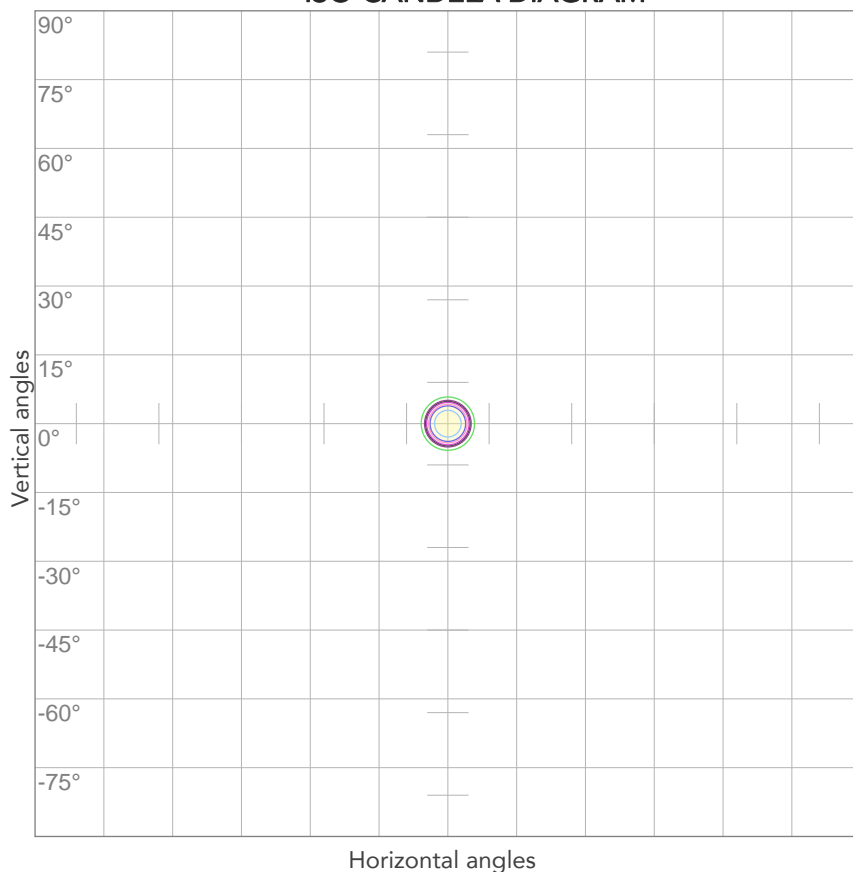
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,555A	108,2W	12lm/W

## ISO CANDELA DIAGRAM



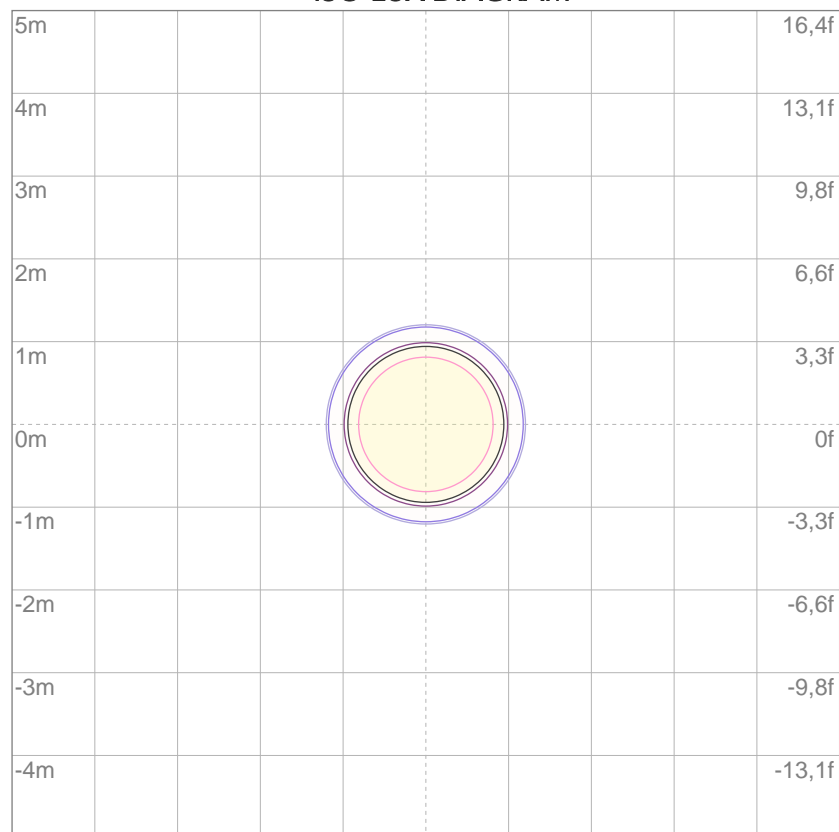
10%	7943 cd
20%	15886 cd
30%	23829 cd
40%	31772 cd
50%	39715 cd
60%	47658 cd
70%	55601 cd
80%	63544 cd

### Conditions:

Number of c-planes: 2

Candela at center: 79430 cd

## ISO LUX DIAGRAM



3%	23,8 lx
5%	39,7 lx
10%	79,4 lx
30%	238 lx
50%	397 lx

### Conditions:

Number of c-planes: 2

Lux at center: 794 lx

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



Total lumen output:

456 lm

Peak candela output:

1982 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

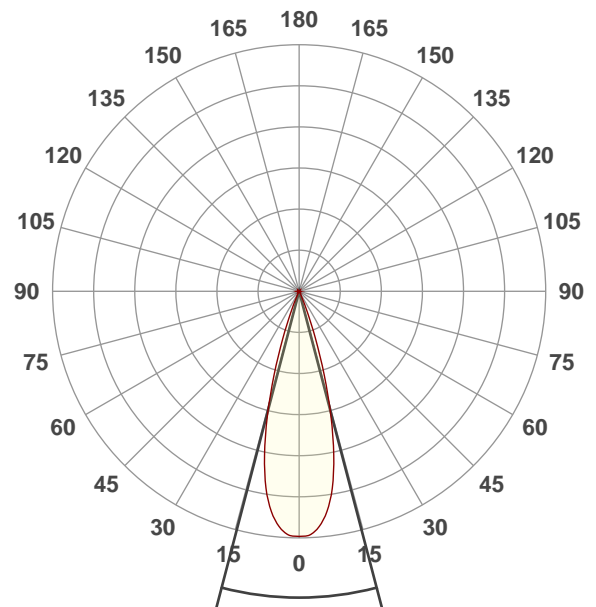
Blue

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:10:08

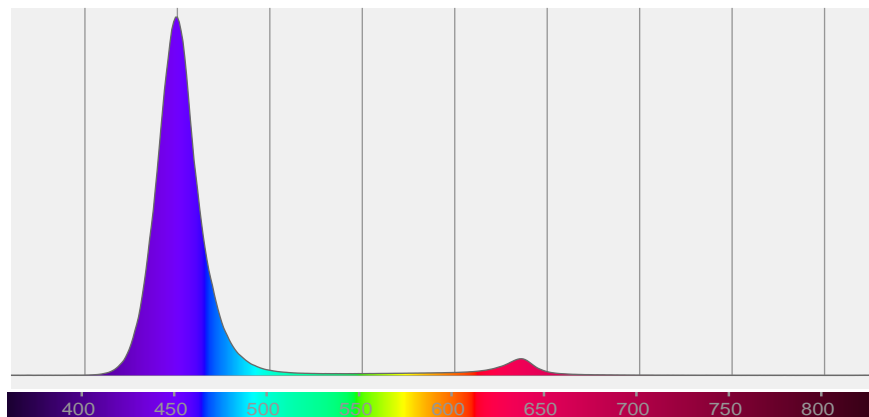


Beam angle 50%: 29,3°

Field angle 10%: 42,6°

Cut off angle 2.5%: 49,1°

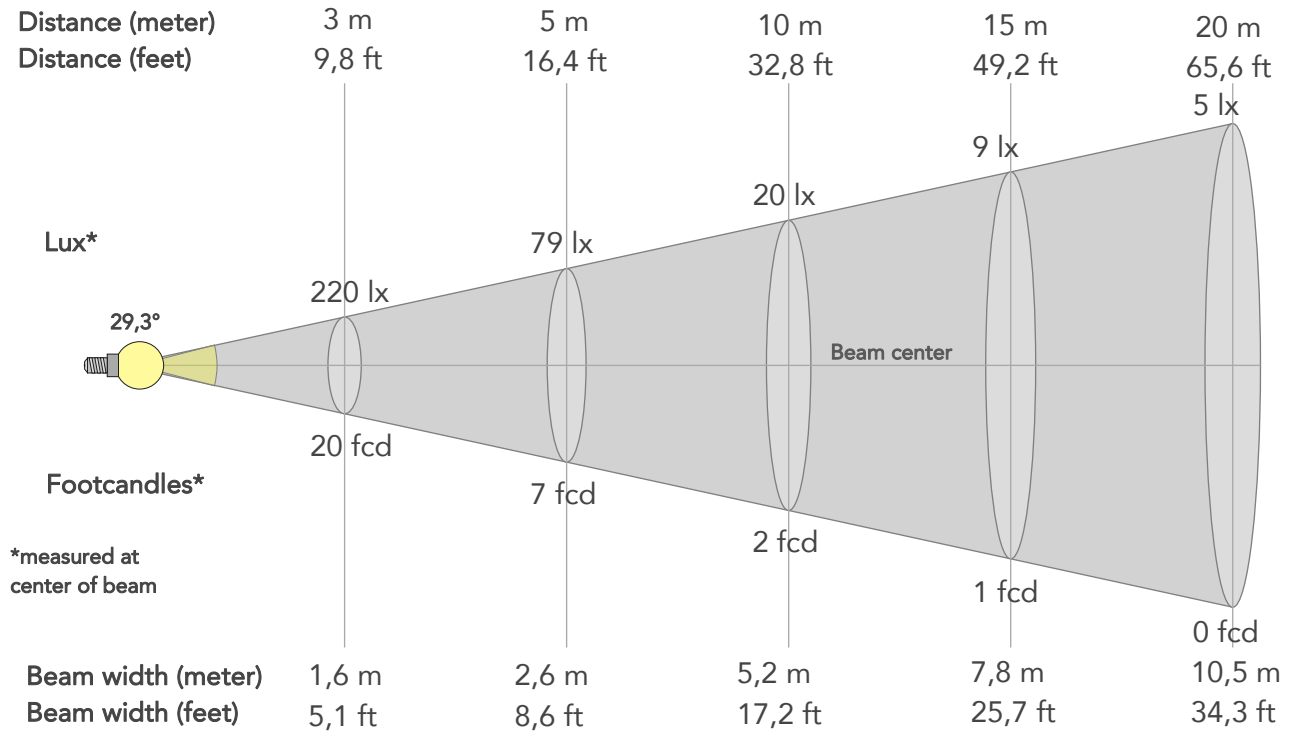
## Spectra





## BEAM DETAILS

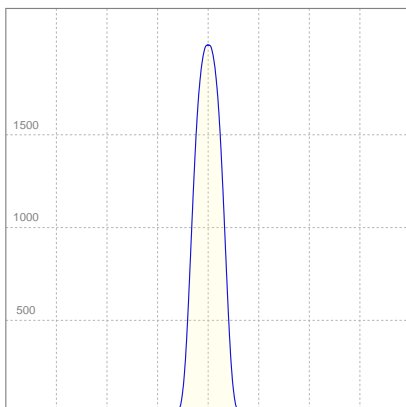
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,3°	42,6°	49,1°	98,8%	98,6%



### 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	1982lx	496lx	220lx	124lx	79lx	35lx	20lx	9lx	5lx	3lx	2lx	1lx	1lx
Footcand.	184fcd	46fcd	20fcd	12fcd	7fcd	3fcd	2fcd	1fcd	0fcd	0fcd	0fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,5m	13,1m	15,7m	20,9m	26,2m
Beam wid.	1,7ft	3,5ft	5,1ft	6,9ft	8,6ft	12,9ft	17,2ft	25,7ft	34,3ft	42,9ft	51,5ft	68,6ft	85,8ft

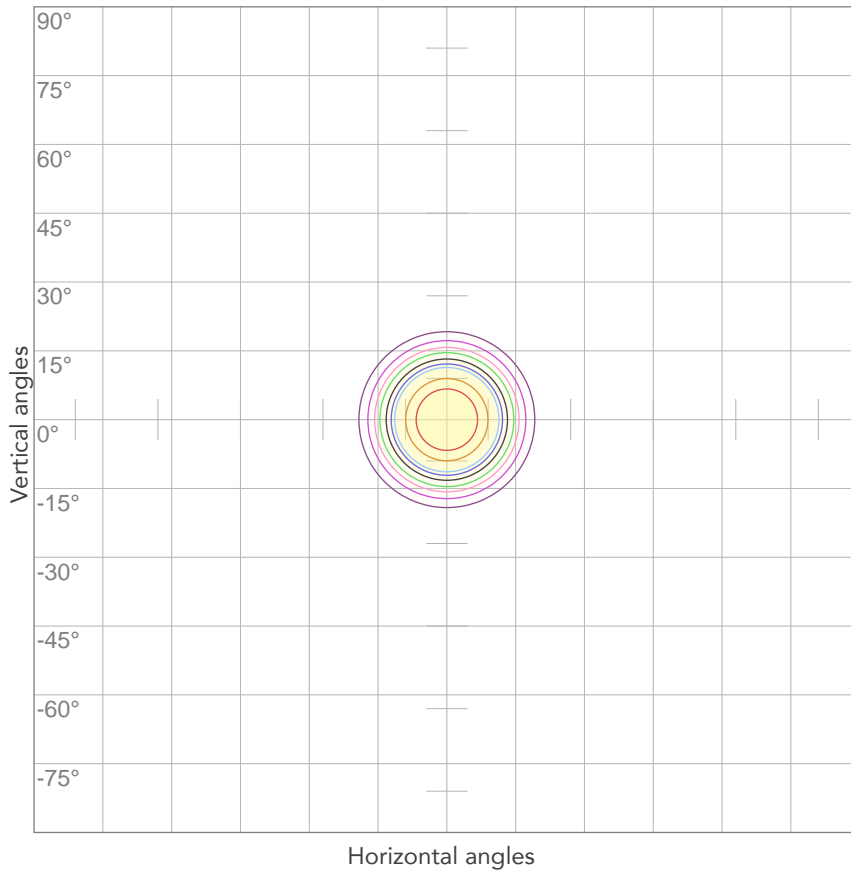
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	0,568A	111,3W	4lm/W

## ISO CANDELA DIAGRAM



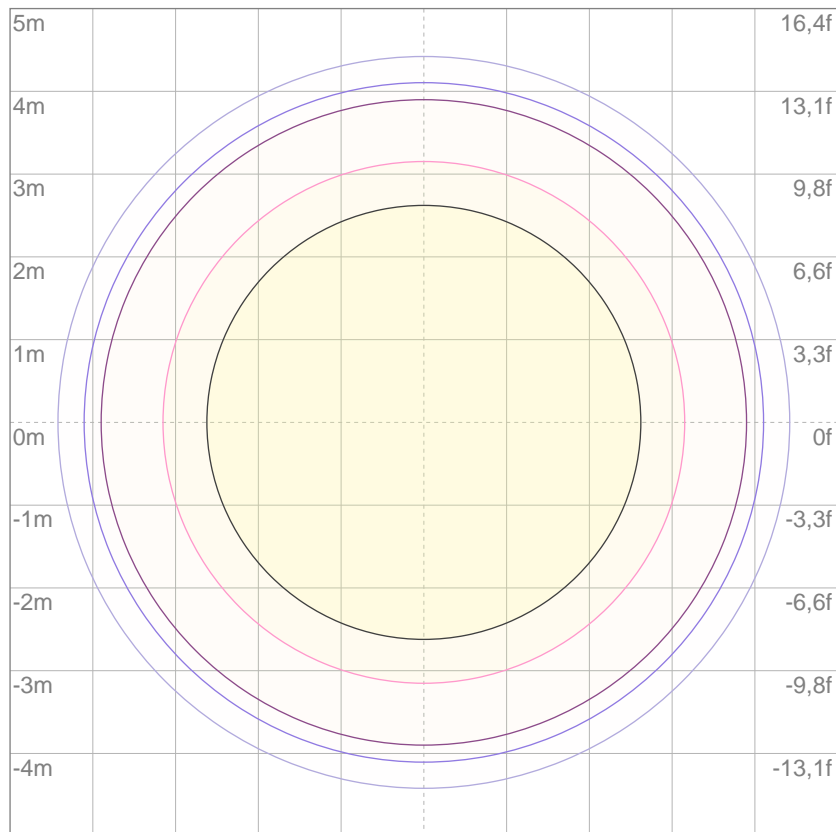
10%	198 cd
20%	396 cd
30%	595 cd
40%	793 cd
50%	991 cd
60%	1189 cd
70%	1388 cd
80%	1586 cd

### Conditions:

Number of c-planes: 2

Candela at center: 1982 cd

## ISO LUX DIAGRAM



3%	0,595 lx
5%	0,991 lx
10%	1,98 lx
30%	5,95 lx
50%	9,91 lx

### Conditions:

Number of c-planes: 2

Lux at center: 19,8 lx

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



Total lumen output:

456 lm

Peak candela output:

7079 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

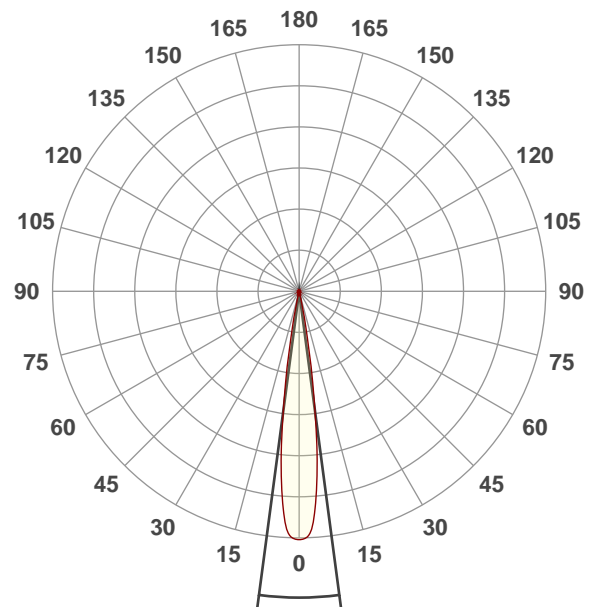
Blue

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:16:35

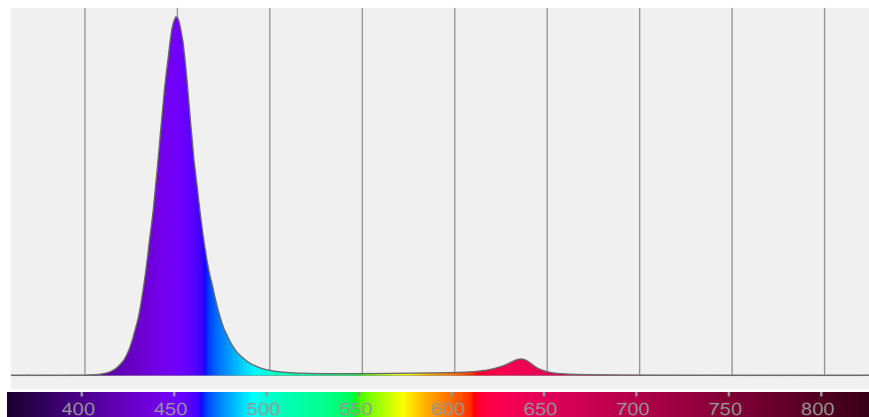


Beam angle 50%: 15,1°

Field angle 10%: 22,9°

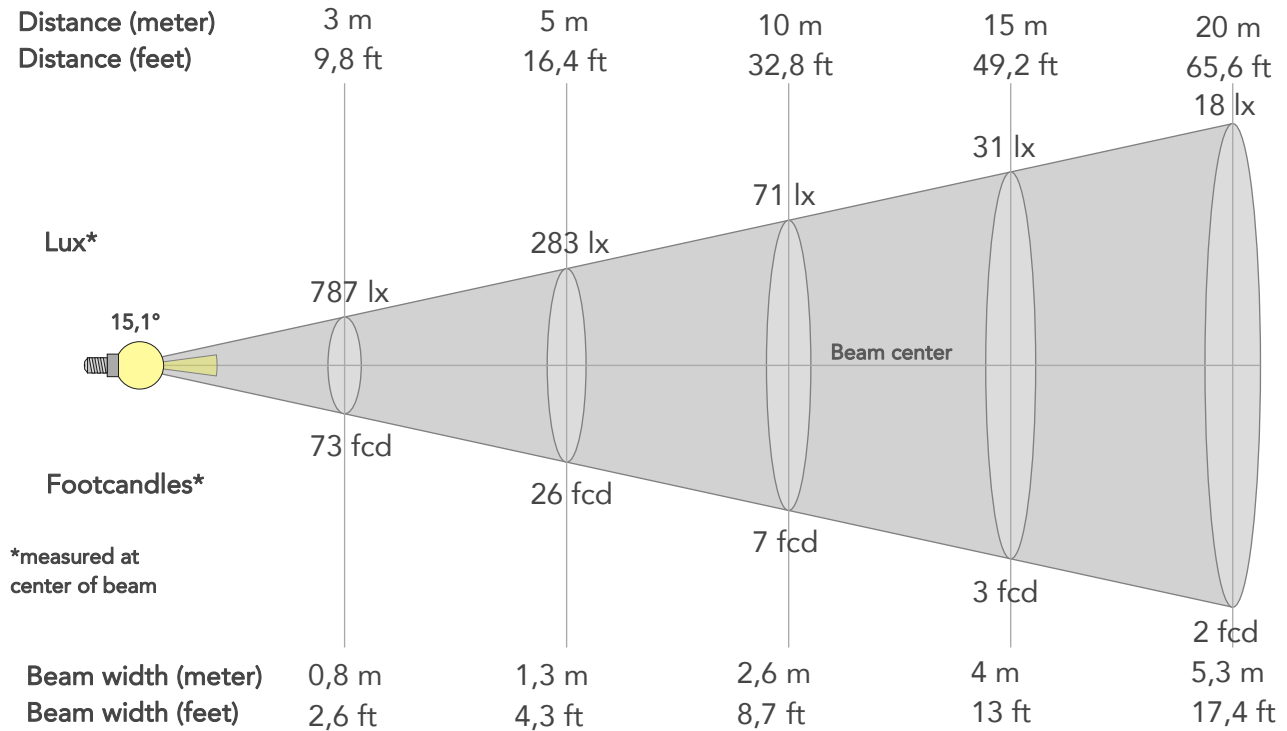
Cut off angle 2.5%: 26,5°

## Spectra



## BEAM DETAILS

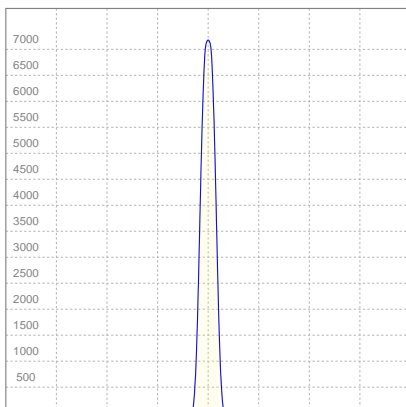
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,1°	22,9°	26,5°	98,2%	97,9%



### 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	7079lx	1770lx	787lx	442lx	283lx	126lx	71lx	31lx	18lx	11lx	8lx	4lx	3lx
Footcand.	658fcd	164fcd	73fcd	41fcd	26fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,6m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,7ft	13ft	17,4ft	21,7ft	26ft	34,7ft	43,4ft

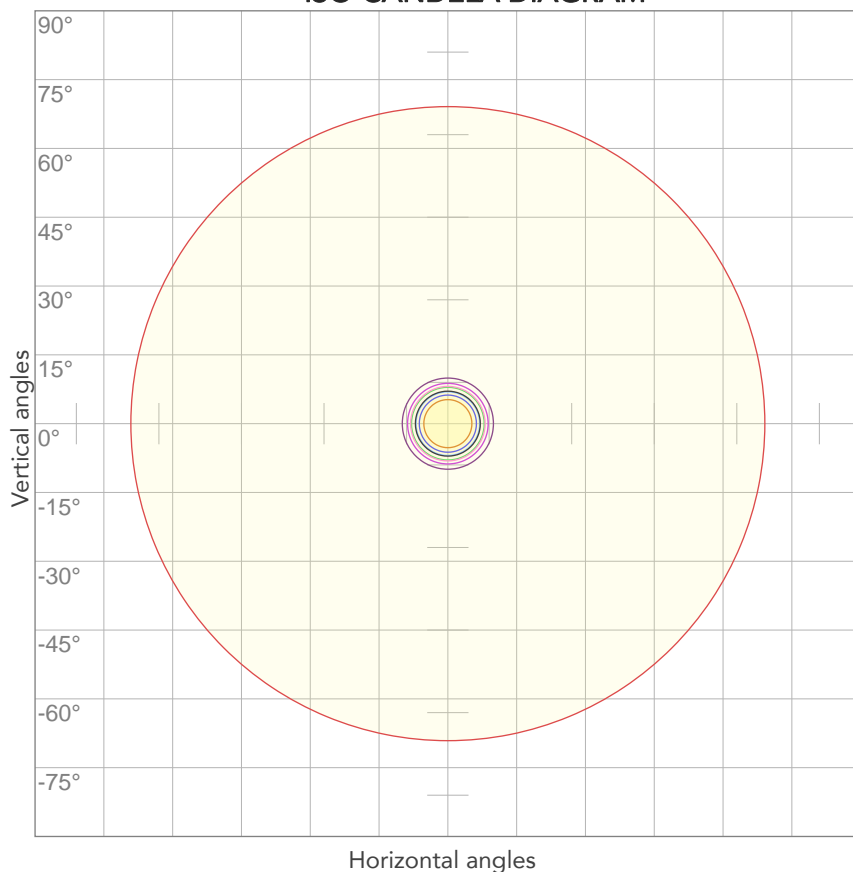
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,579A	114,8W	4lm/W

## ISO CANDELA DIAGRAM



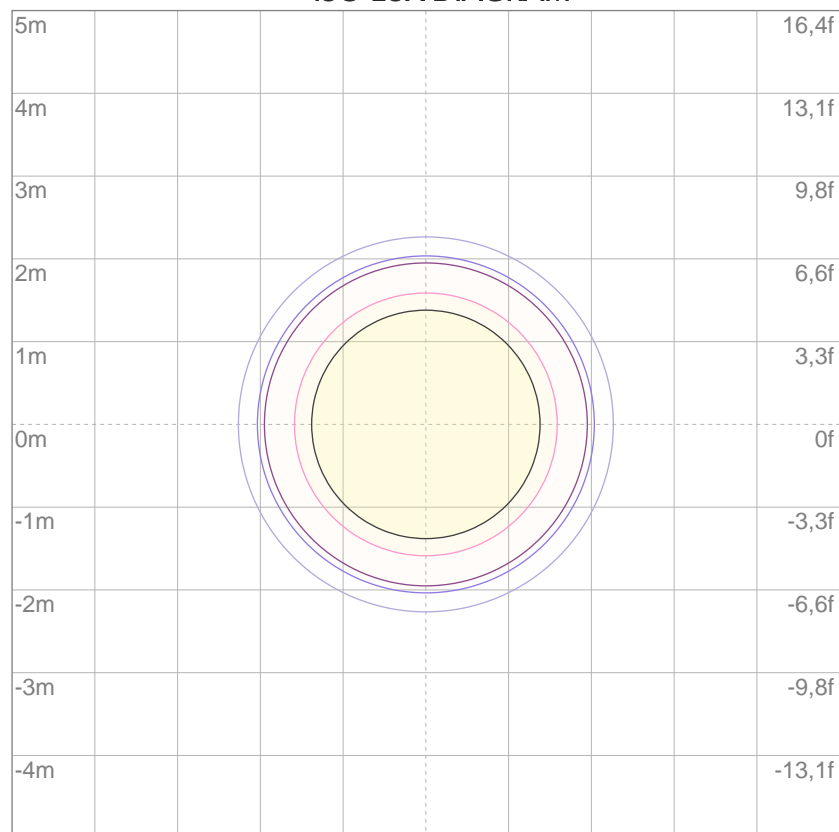
10%	708 cd
20%	1416 cd
30%	2124 cd
40%	2832 cd
50%	3539 cd
60%	4247 cd
70%	4955 cd
80%	5663 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7079 cd

## ISO LUX DIAGRAM



3%	2,12 lx
5%	3,54 lx
10%	7,08 lx
30%	21,2 lx
50%	35,4 lx

### Conditions:

Number of c-planes: 2

Lux at center: 70,8 lx

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



Total lumen output:

609 lm

Peak candela output:

26618 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

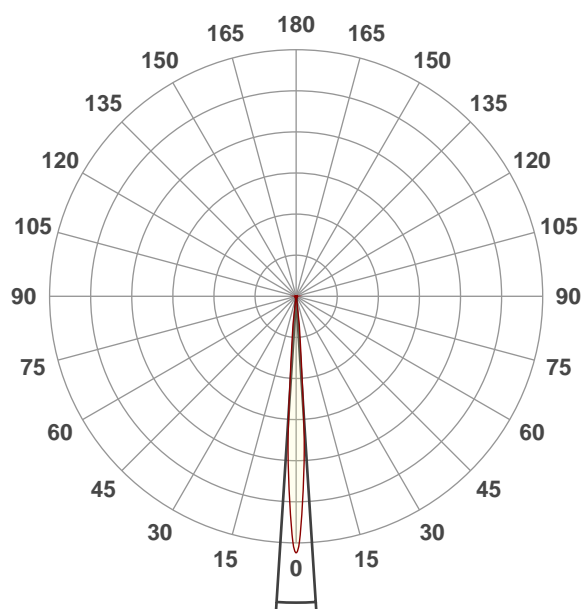
Blue

Operator:

Paolo Carvone

Date and time:

12/03/2020 10:51:48

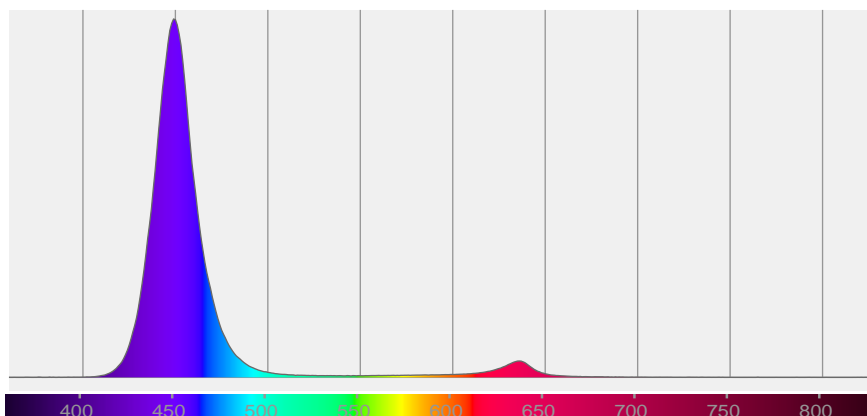


Beam angle 50%: 7,3°

Field angle 10%: 12,8°

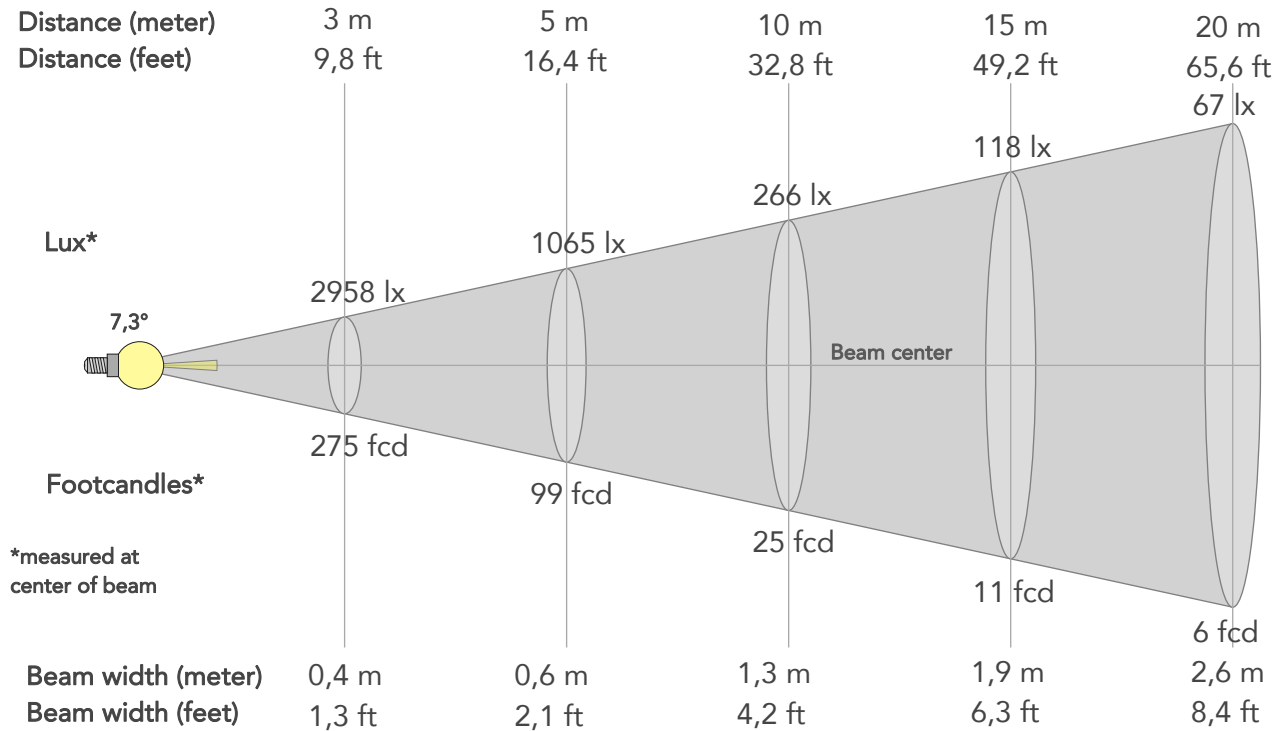
Cut off angle 2.5%: 14,9°

## Spectra



## BEAM DETAILS

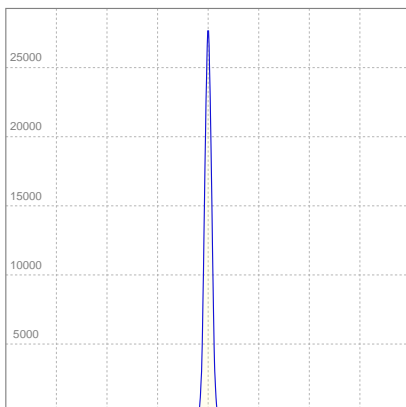
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,3°	12,8°	14,9°	81,5%	77,4%



### 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	26618lx	6655lx	2958lx	1664lx	1065lx	473lx	266lx	118lx	67lx	43lx	30lx	17lx	11lx
Footcand.	2473fcd	618fcd	275fcd	155fcd	99fcd	44fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
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	3,2ft	4,2ft	6,3ft	8,4ft	10,5ft	12,6ft	16,8ft	21ft

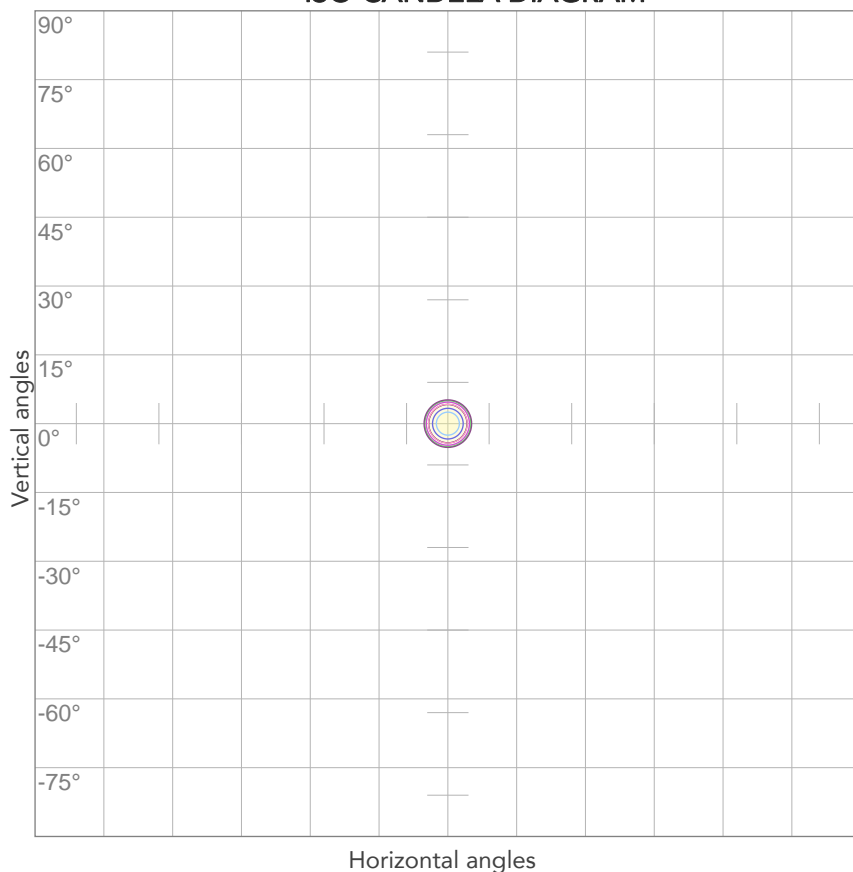
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,569A	111,6W	5lm/W

## ISO CANDELA DIAGRAM



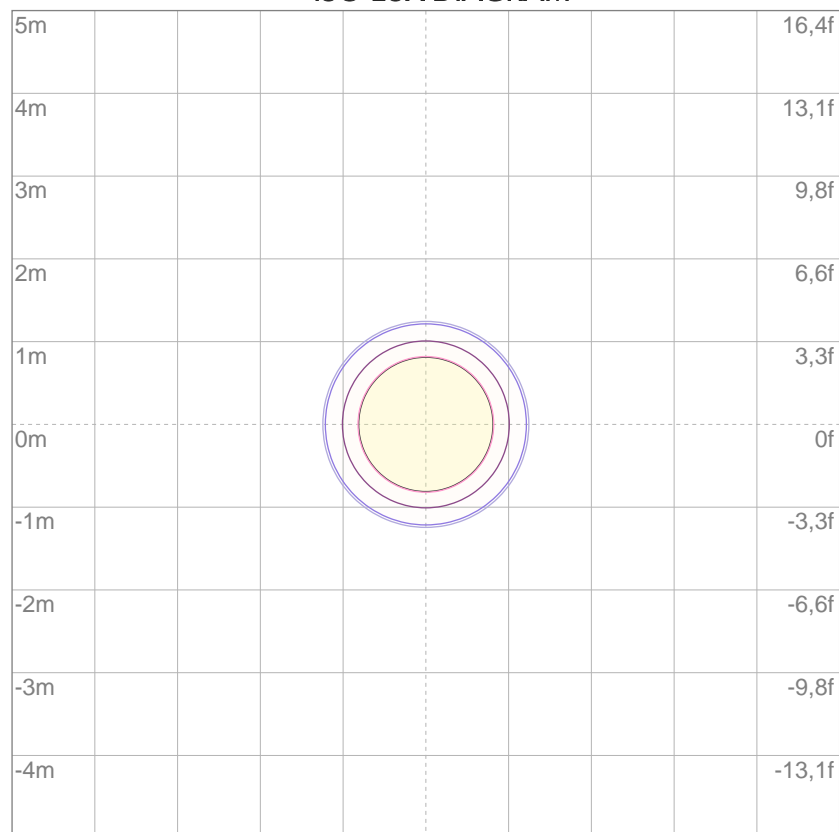
10%	2662 cd
20%	5324 cd
30%	7985 cd
40%	10647 cd
50%	13309 cd
60%	15971 cd
70%	18633 cd
80%	21295 cd

### Conditions:

Number of c-planes: 2

Candela at center: 26618 cd

## ISO LUX DIAGRAM



3%	7,99 lx
5%	13,3 lx
10%	26,6 lx
30%	79,9 lx
50%	133 lx

### Conditions:

Number of c-planes: 2

Lux at center: 266 lx

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





Total lumen output:

3003 lm

Peak candela output:

13161 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

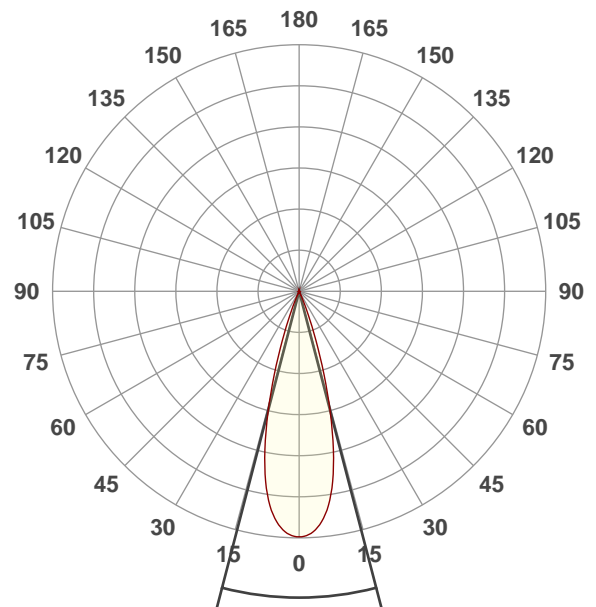
White

Operator:

Paolo Carvone

Date and time:

12/03/2020 10:55:55

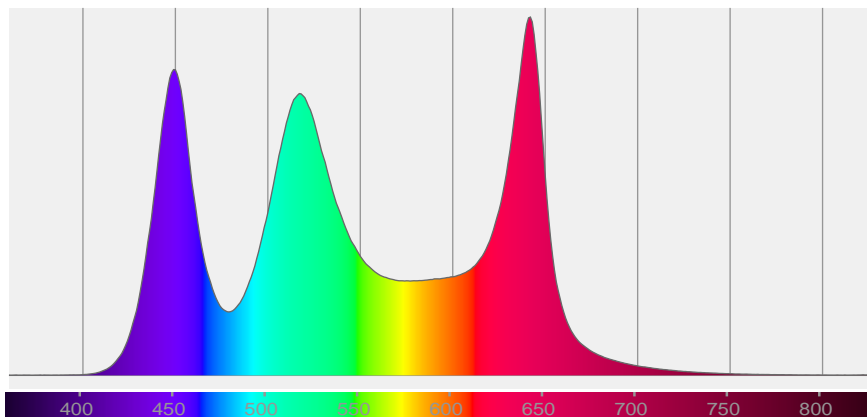


Beam angle 50%: 29,1°

Field angle 10%: 42,6°

Cut off angle 2.5%: 49,1°

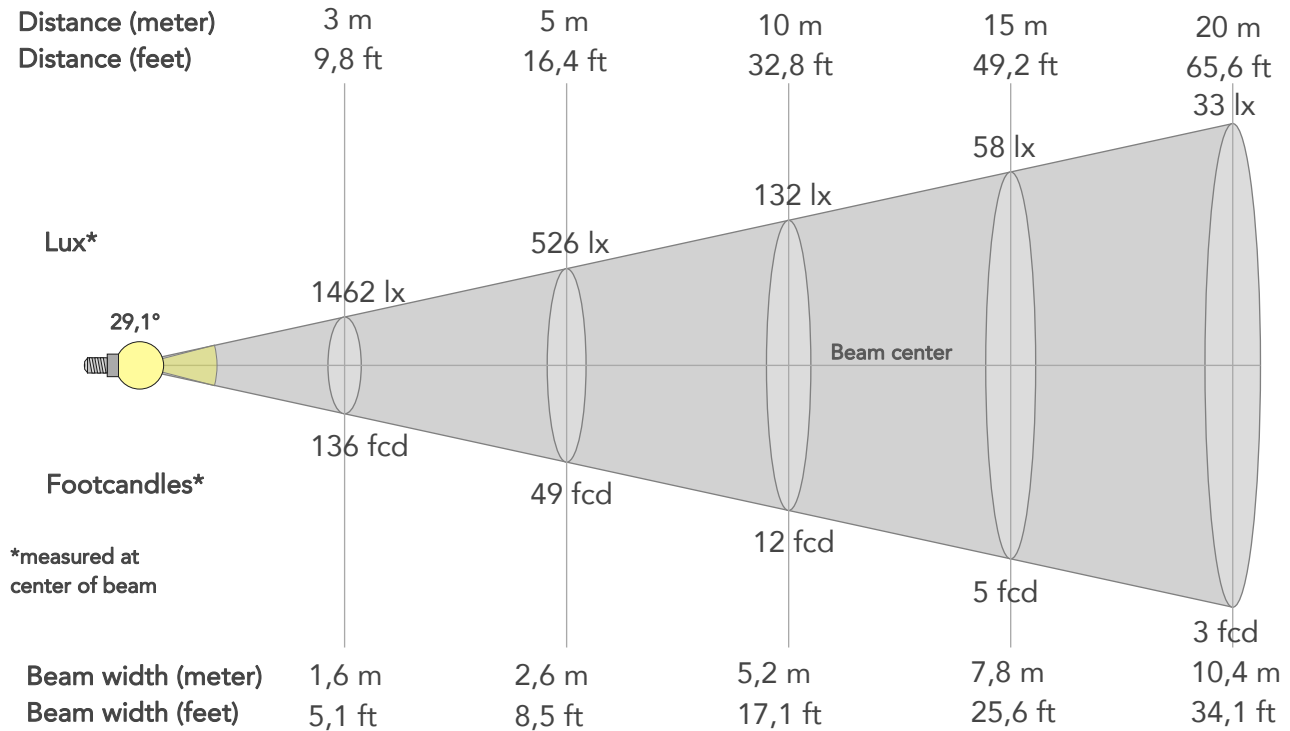
## Spectra



## BEAM DETAILS



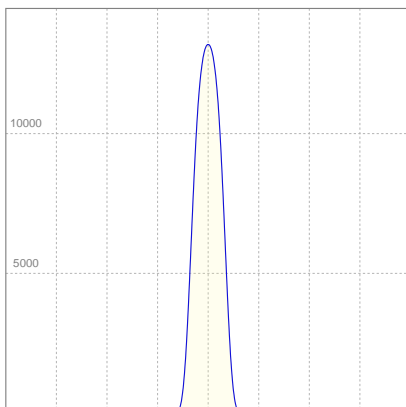
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,1°	42,6°	49,1°	98,6%	98,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	13161lx	3290lx	1462lx	823lx	526lx	234lx	132lx	58lx	33lx	21lx	15lx	8lx	5lx
Footcand.	1223fcd	306fcd	136fcd	76fcd	49fcd	22fcd	12fcd	5fcd	3fcd	2fcd	1fcd	1fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,4m	13m	15,6m	20,8m	26m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,8ft	17,1ft	25,6ft	34,1ft	42,6ft	51,2ft	68,2ft	85,3ft

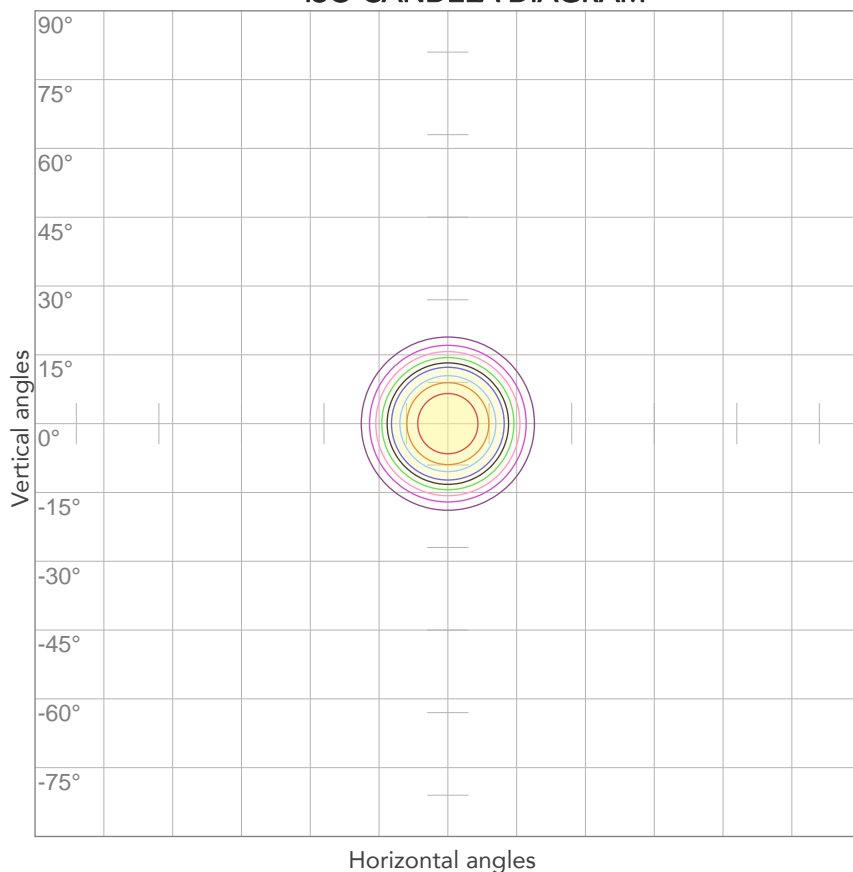
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,12A	239W	13lm/W

## ISO CANDELA DIAGRAM



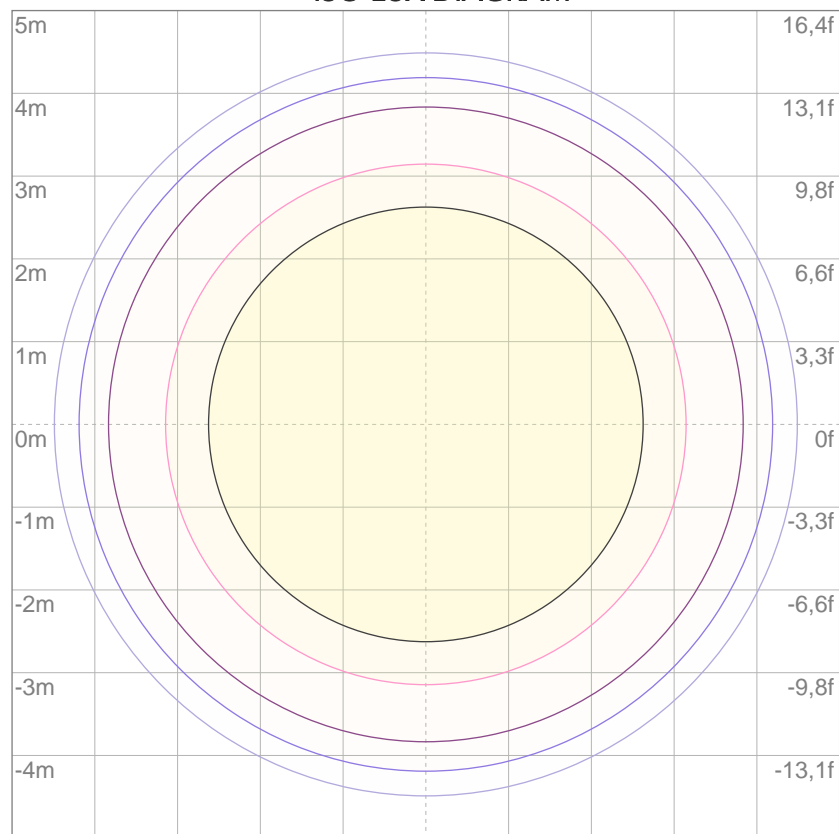
10%	1316 cd
20%	2632 cd
30%	3948 cd
40%	5264 cd
50%	6580 cd
60%	7897 cd
70%	9213 cd
80%	10529 cd

### Conditions:

Number of c-planes: 2

Candela at center: 13161 cd

## ISO LUX DIAGRAM



3%	3,95 lx
5%	6,58 lx
10%	13,2 lx
30%	39,5 lx
50%	65,8 lx

### Conditions:

Number of c-planes: 2

Lux at center: 132 lx

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



Total lumen output:

2986 lm

Peak candela output:

46486 cd

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

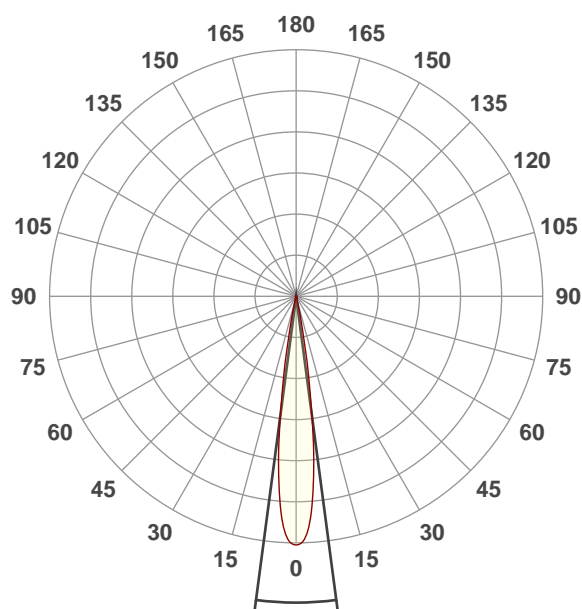
White

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:03:31

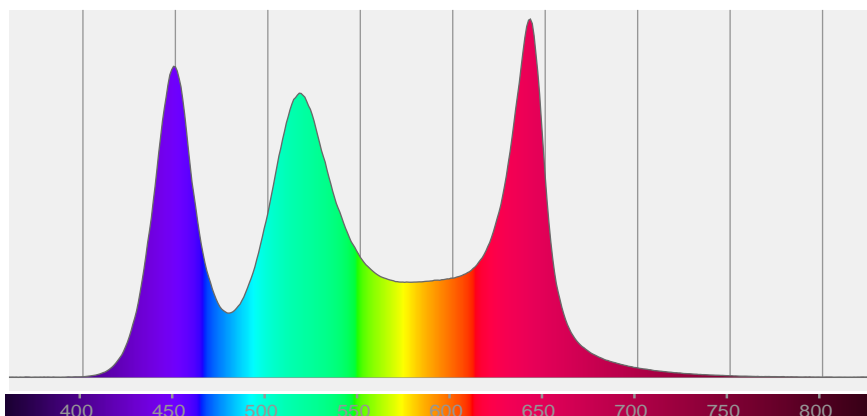


Beam angle 50%: 15,1°

Field angle 10%: 23,1°

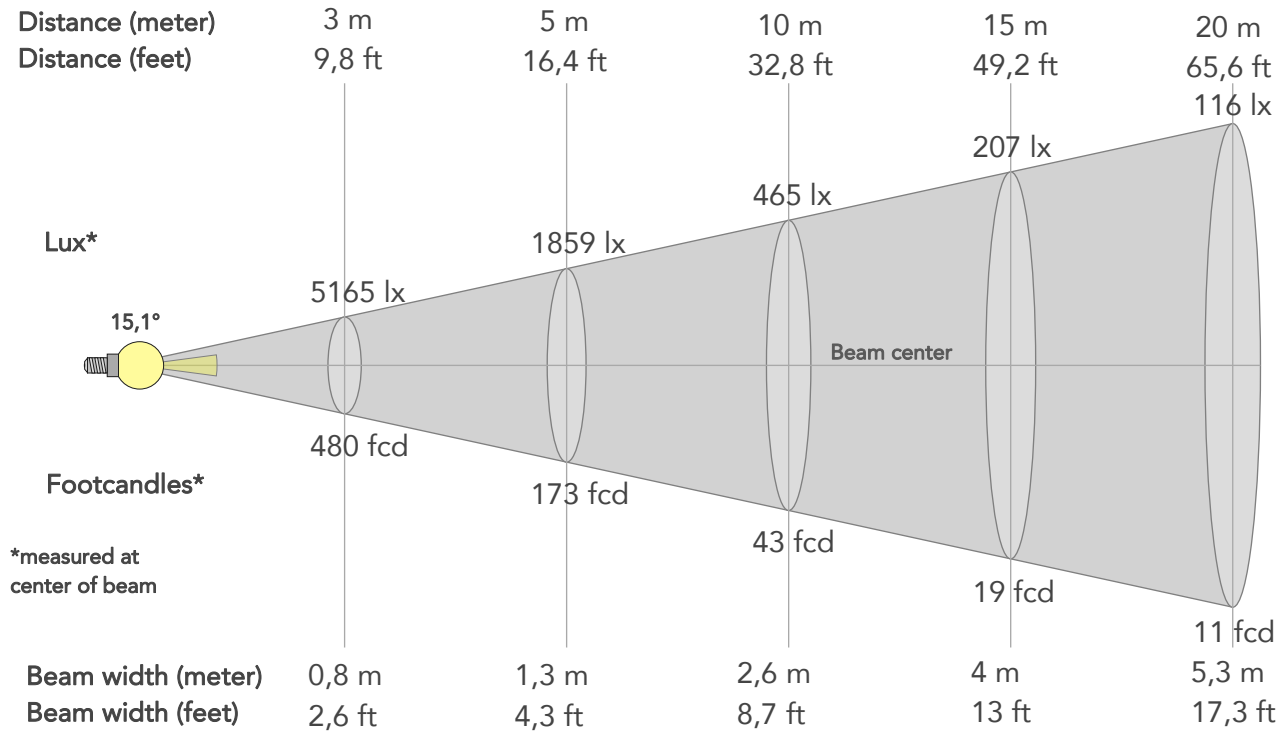
Cut off angle 2.5%: 27°

## Spectra



## BEAM DETAILS

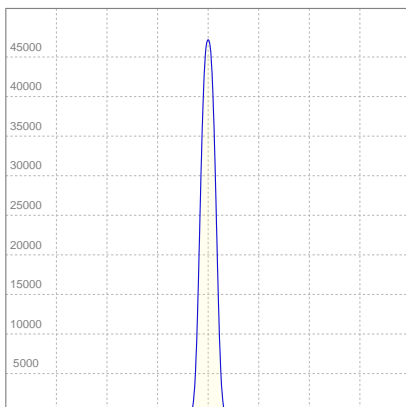
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15,1°	23,1°	27°	99,0%	98,9%



### 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	46486lx	11621lx	5165lx	2905lx	1859lx	826lx	465lx	207lx	116lx	74lx	52lx	29lx	19lx
Footcand.	4319fcd	1080fcd	480fcd	270fcd	173fcd	77fcd	43fcd	19fcd	11fcd	7fcd	5fcd	3fcd	2fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,6m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,7ft	13ft	17,3ft	21,7ft	26ft	34,7ft	43,4ft

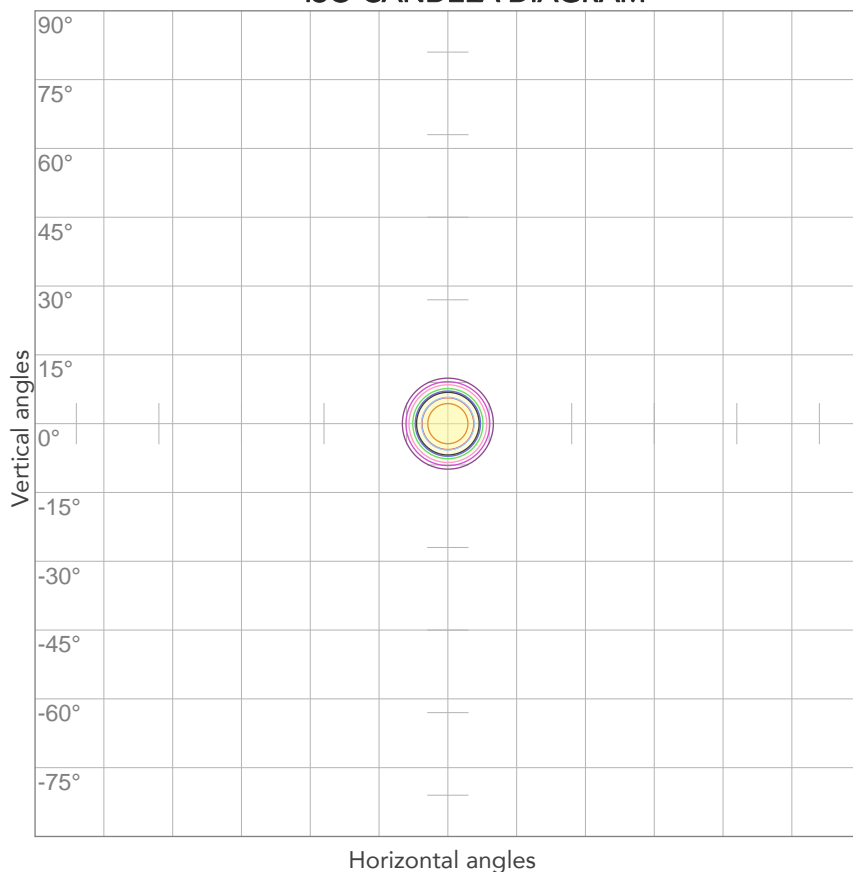
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,13A	240,4W	12lm/W

## ISO CANDELA DIAGRAM



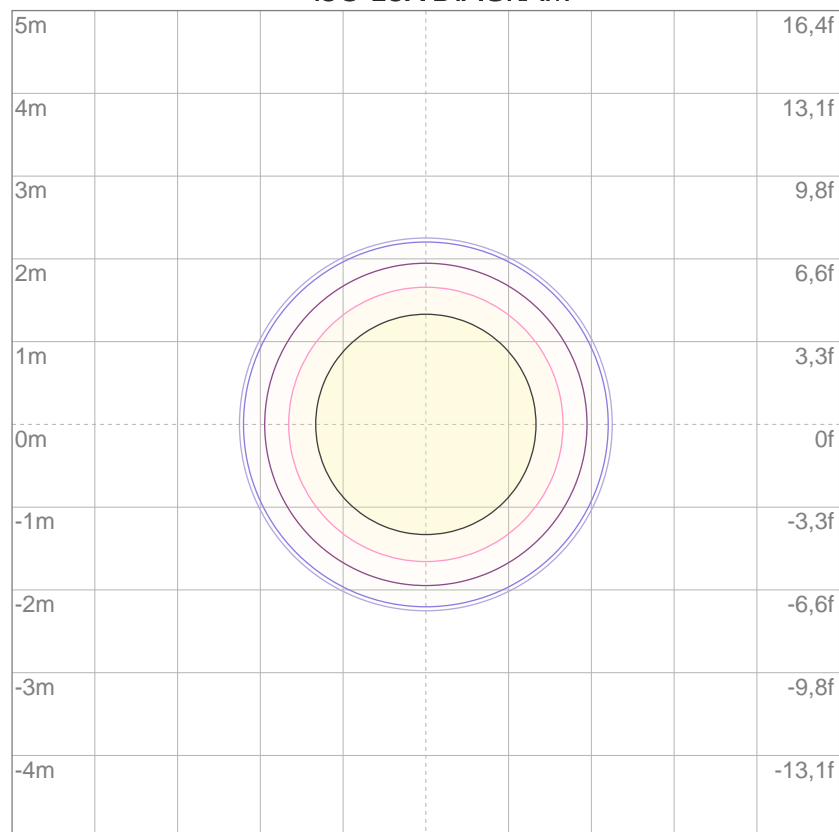
10%	4649 cd
20%	9297 cd
30%	13946 cd
40%	18594 cd
50%	23243 cd
60%	27891 cd
70%	32540 cd
80%	37189 cd

### Conditions:

Number of c-planes: 2

Candela at center: 46486 cd

## ISO LUX DIAGRAM



3%	13,9 lx
5%	23,2 lx
10%	46,5 lx
30%	139 lx
50%	232 lx

### Conditions:

Number of c-planes: 2

Lux at center: 465 lx

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



Total lumen output:

3024 lm

Peak candela output:

175610 cd

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

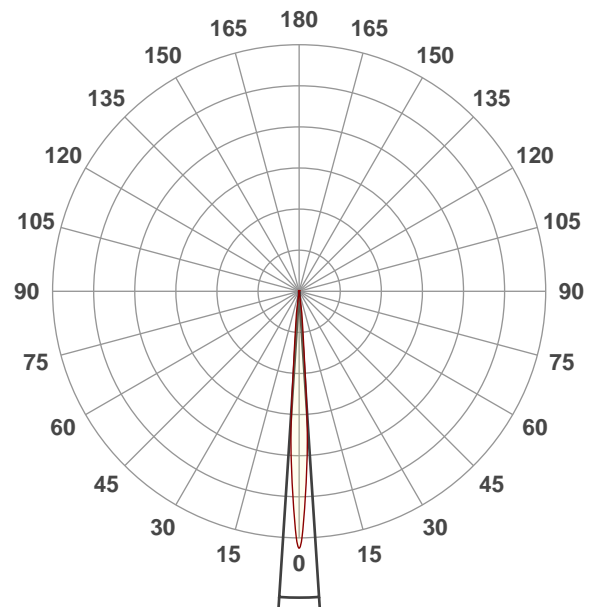
White

Operator:

Paolo Carvone

Date and time:

12/03/2020 10:53:58

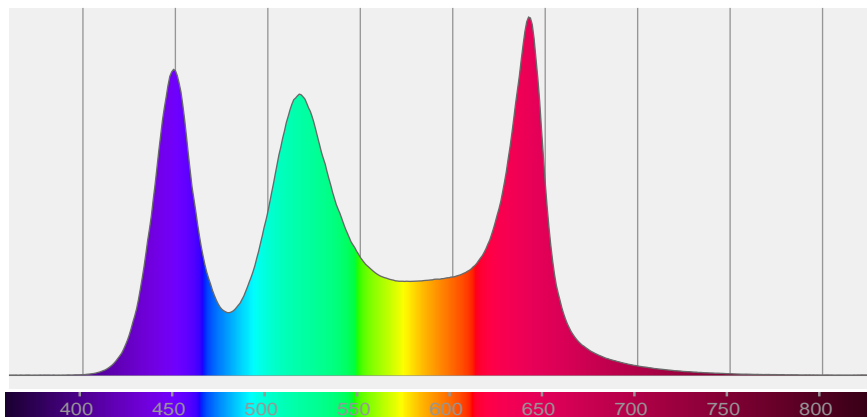


Beam angle 50%: 7,5°

Field angle 10%: 12,9°

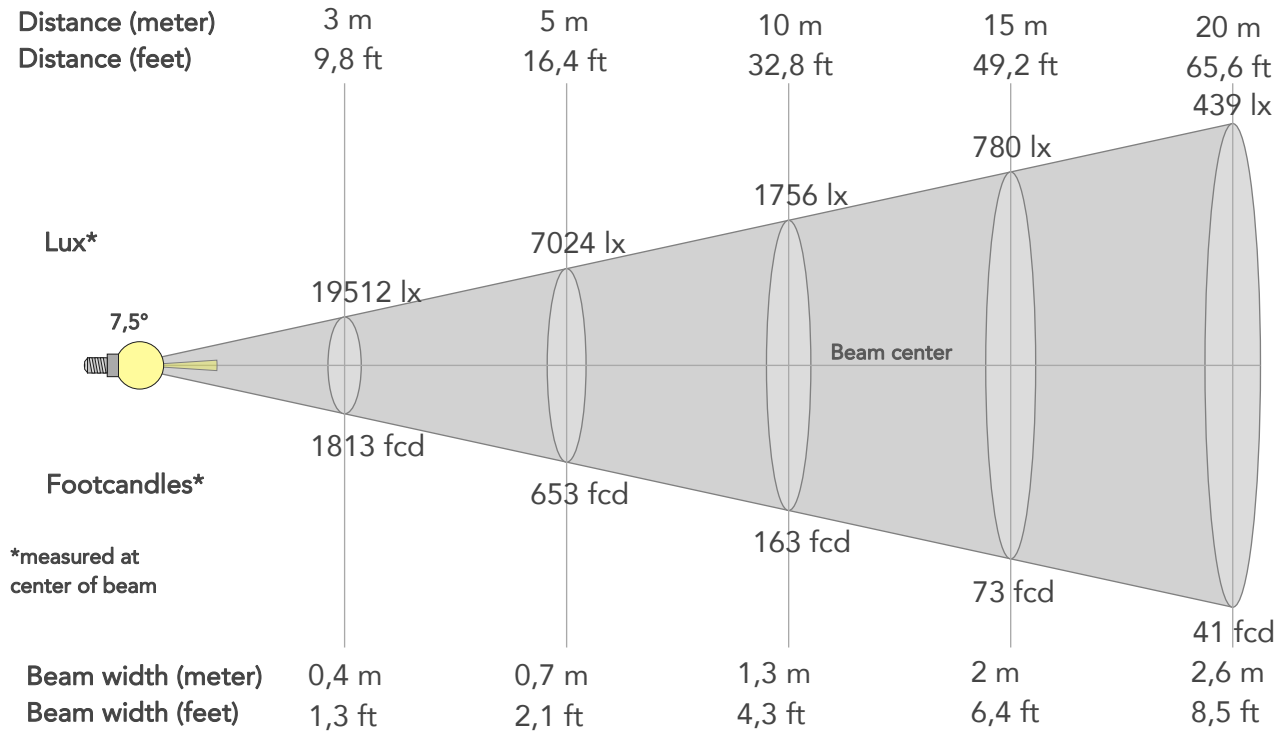
Cut off angle 2.5%: 15,5°

## Spectra



## BEAM DETAILS

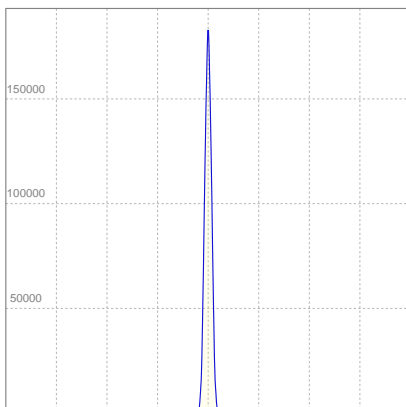
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,5°	12,9°	15,5°	98,4%	98,2%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	175610lx	43902lx	19512lx	10976lx	7024lx	3122lx	1756lx	780lx	439lx	281lx	195lx	110lx	70lx
Footcand.	16315fcd	4079fcd	1813fcd	1020fcd	653fcd	290fcd	163fcd	73fcd	41fcd	26fcd	18fcd	10fcd	7fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,7m	1m	1,3m	2m	2,6m	3,3m	3,9m	5,2m	6,5m
Beam wid.	0,4ft	0,9ft	1,3ft	1,7ft	2,1ft	3,2ft	4,3ft	6,4ft	8,5ft	10,7ft	12,8ft	17,1ft	21,4ft

### LINEAR DISTRIBUTION DIAGRAM

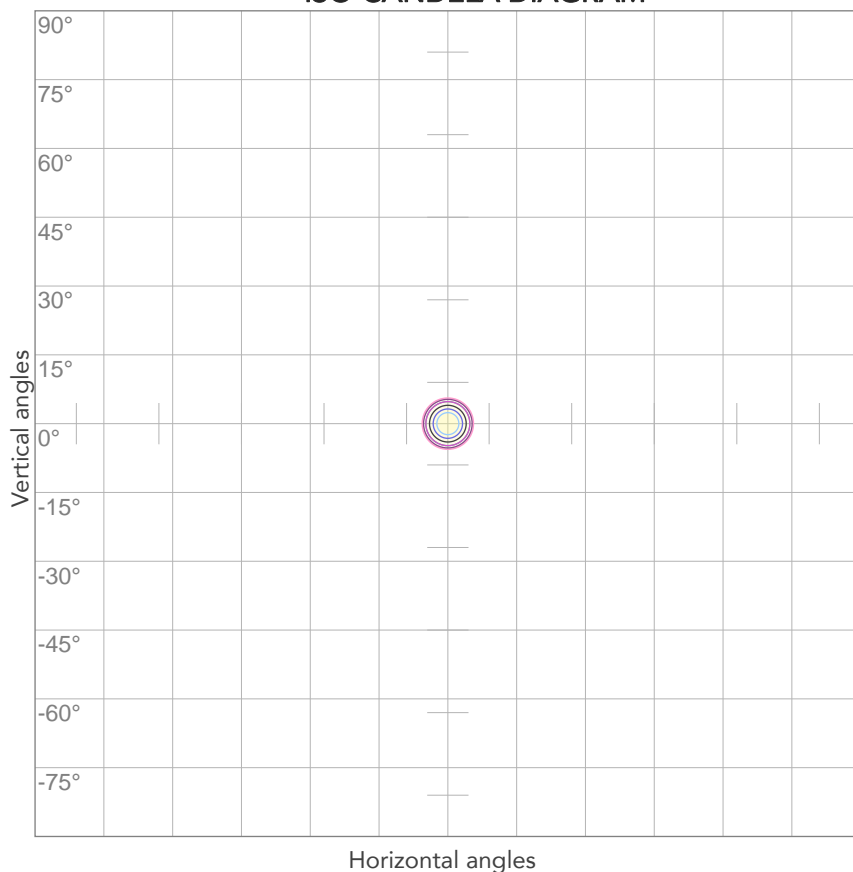


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
226V	1,13A	239,9W	13lm/W



## ISO CANDELA DIAGRAM



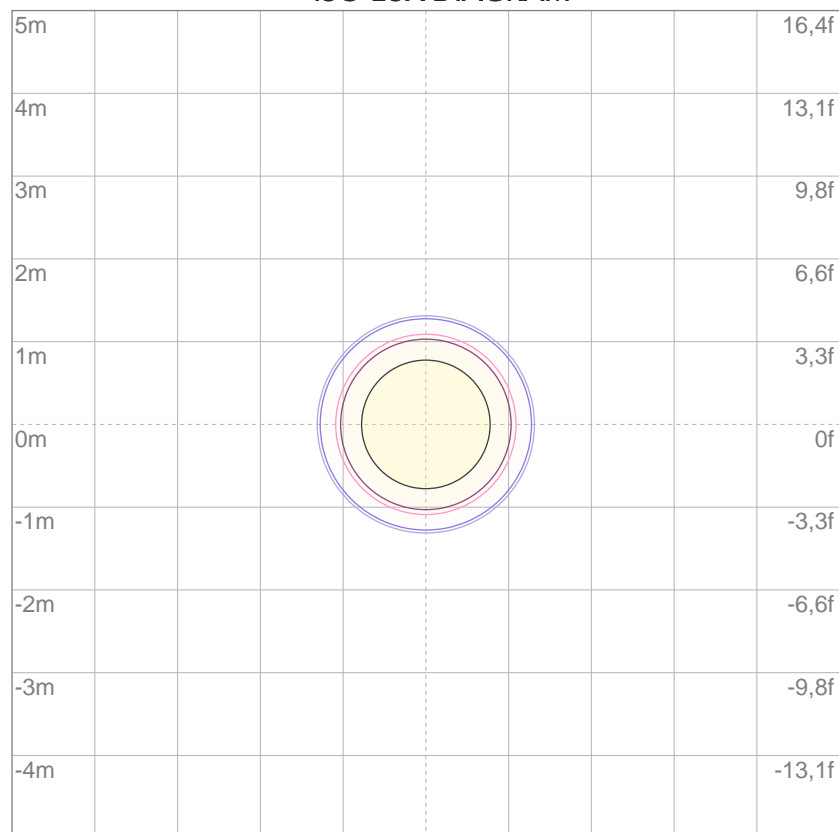
10%	17561 cd
20%	35122 cd
30%	52683 cd
40%	70244 cd
50%	87805 cd
60%	105366 cd
70%	122927 cd
80%	140488 cd

### Conditions:

Number of c-planes: 2

Candela at center: 175610 cd

## ISO LUX DIAGRAM



3%	52,7 lx
5%	87,8 lx
10%	176 lx
30%	527 lx
50%	878 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1756 lx

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



Total lumen output:

1612 lm

Peak candela output:

7122 cd

Light quality:

CRI: 96,0

Color temperature:

3102 K

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

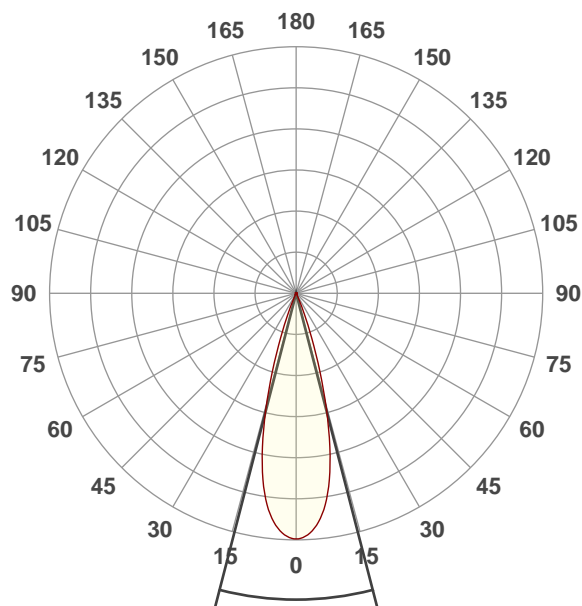
3200K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:31:14

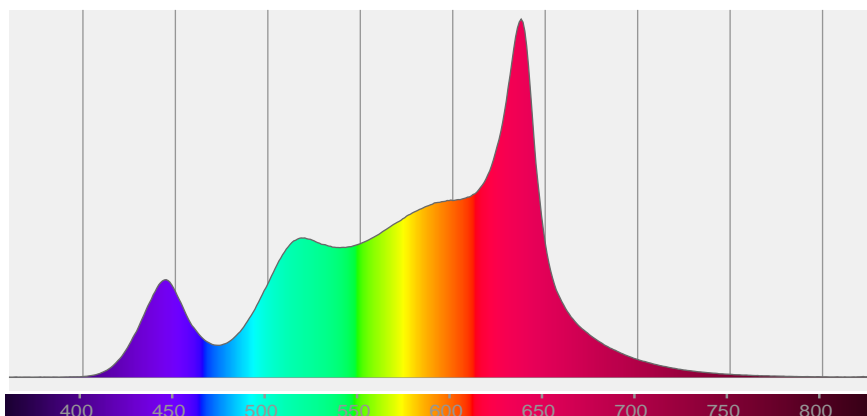


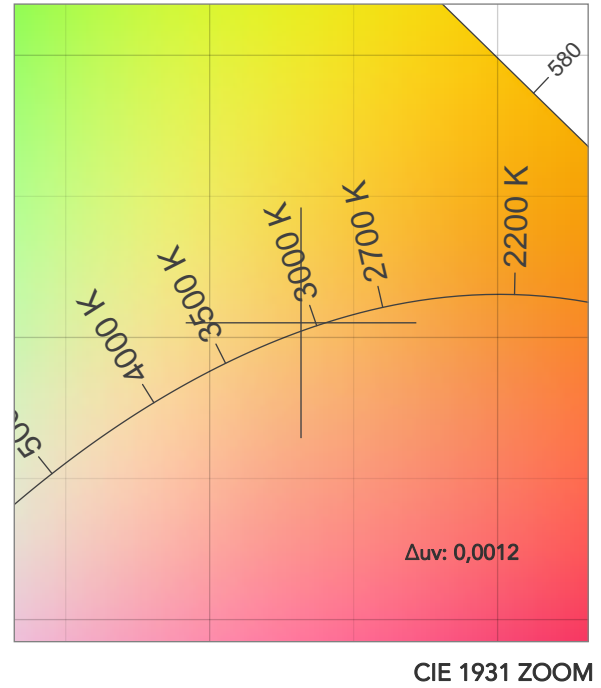
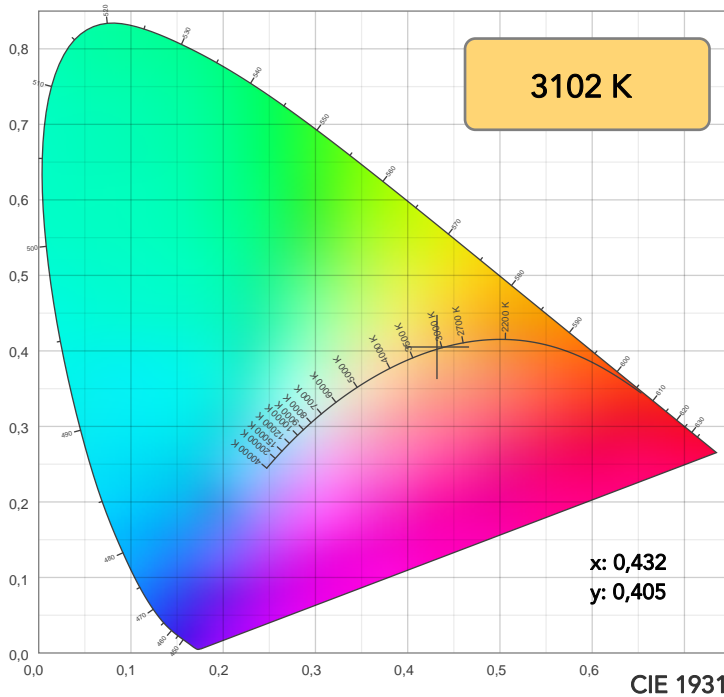
Beam angle 50%: 29°

Field angle 10%: 42,6°

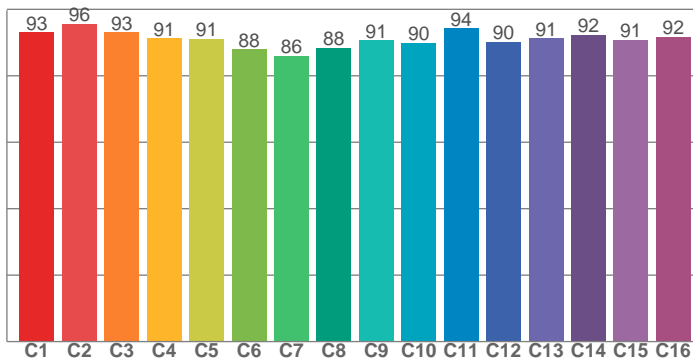
Cut off angle 2.5%: 49,2°

## Spectra

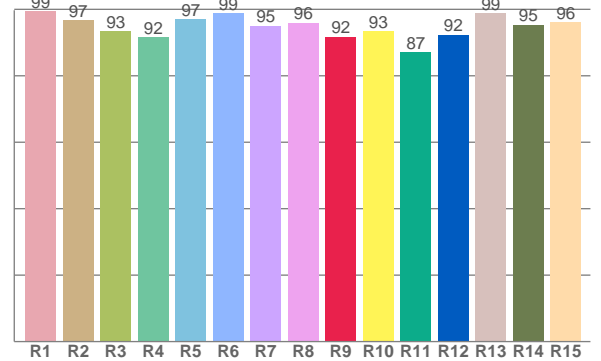




TM30: 91,6



CRI: 96,0 (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
99,4	96,7	93,3	91,6	97,0	98,8	95,0	96,0	91,8	93,3	87,1	92,3	98,9	95,3	96,1

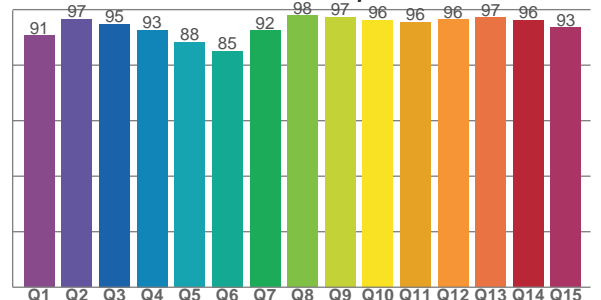
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	95,6	93,0	91,2	91,1	87,9	85,9	88,4	90,7	90,0	94,3	90,3	91,3	92,4	90,7	91,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,7	96,5	94,9	92,7	88,2	85,2	92,5	97,9	97,3	96,2	95,6	96,4	97,1	96,2	93,5

CQS: 92,8



## COLOR PARAMETERS

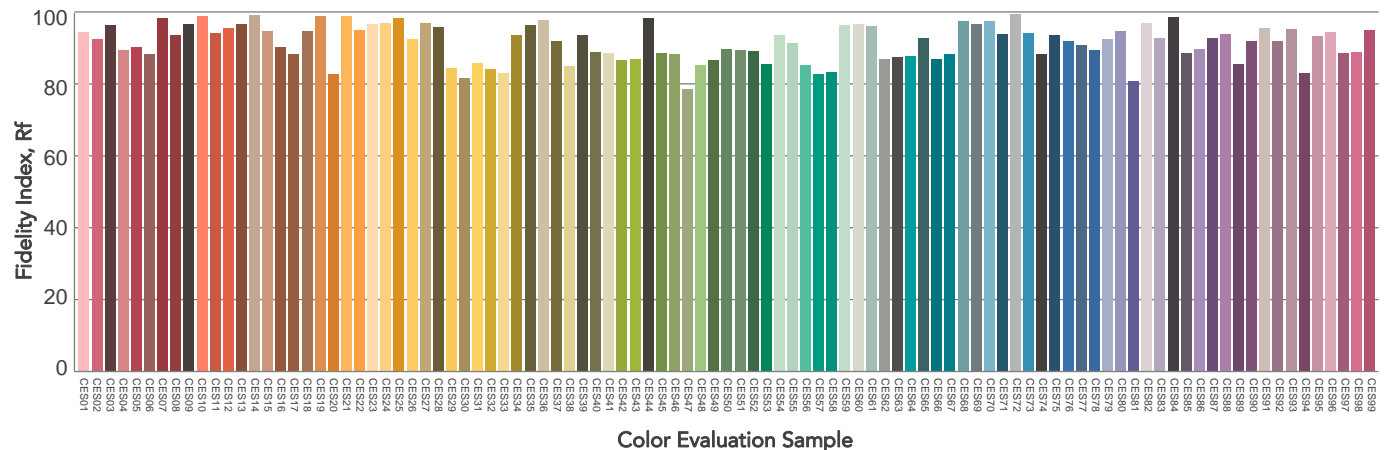
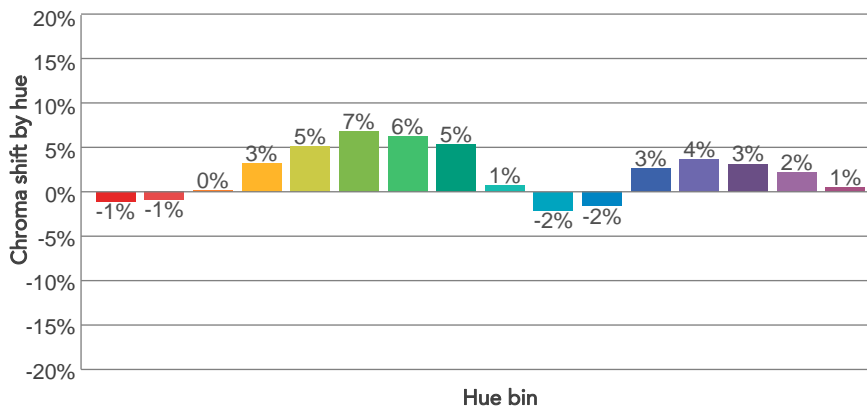
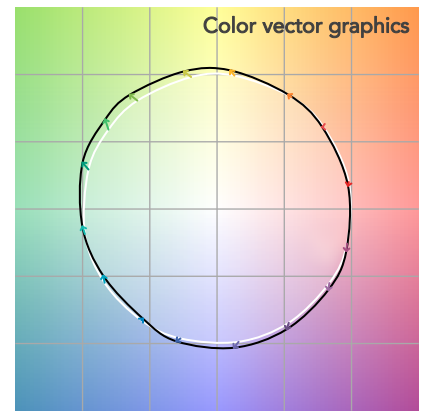
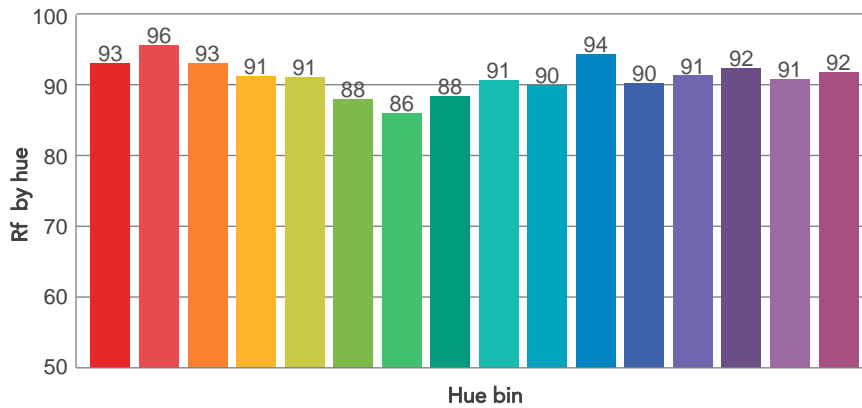
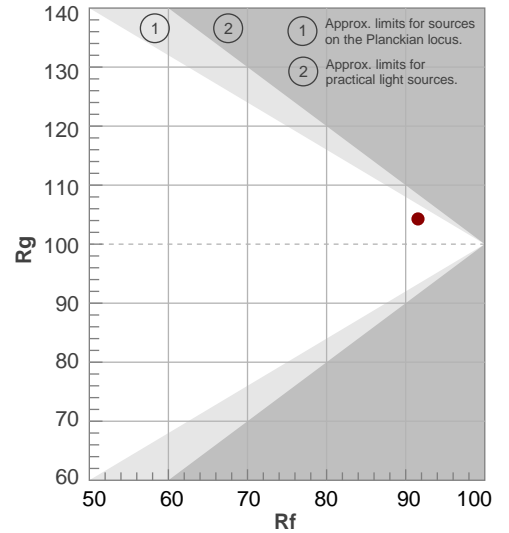
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
3102 K	96,0	91,8	91,6	104,3	92,8	84	0,432	0,405	0,0012

# TM30 DETAILS

**Rf 91,6**  
Fidelity index Rf

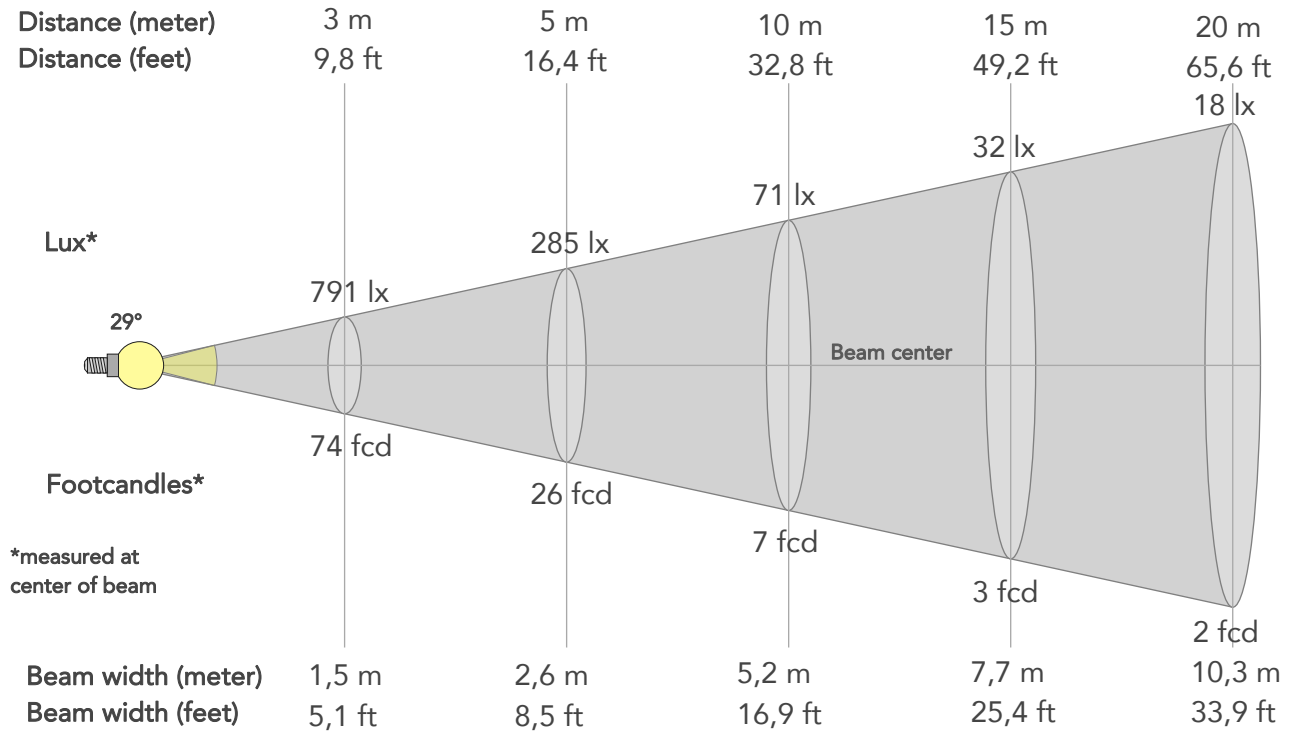
**Rg 104,3**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-3%
2	96	-1%	0%
3	93	0%	3%
4	91	3%	4%
5	91	5%	4%
6	88	7%	2%
7	86	6%	-5%
8	88	5%	-4%
9	91	1%	-6%
10	90	-2%	-5%
11	94	-2%	0%
12	90	3%	-3%
13	91	4%	-4%
14	92	3%	-4%
15	91	2%	-5%
16	92	1%	-6%



## BEAM DETAILS

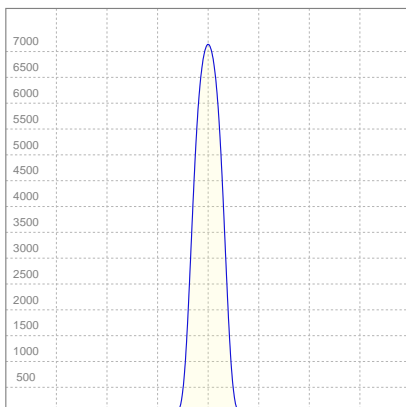
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29°	42,6°	49,2°	98,7%	98,5%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	7122lx	1780lx	791lx	445lx	285lx	127lx	71lx	32lx	18lx	11lx	8lx	4lx	3lx
Footcand.	662fcd	165fcd	74fcd	41fcd	26fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,5m	2,1m	2,6m	3,9m	5,2m	7,7m	10,3m	12,9m	15,5m	20,7m	25,8m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,7ft	16,9ft	25,4ft	33,9ft	42,3ft	50,8ft	67,8ft	84,7ft

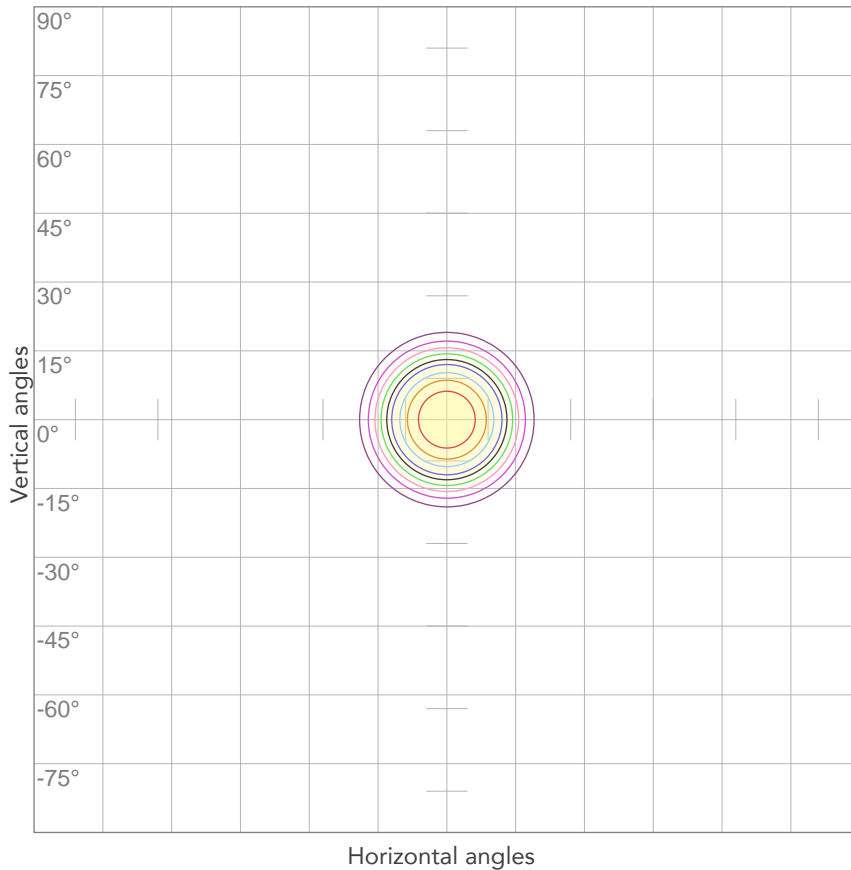
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,640A	128,1W	13lm/W

## ISO CANDELA DIAGRAM



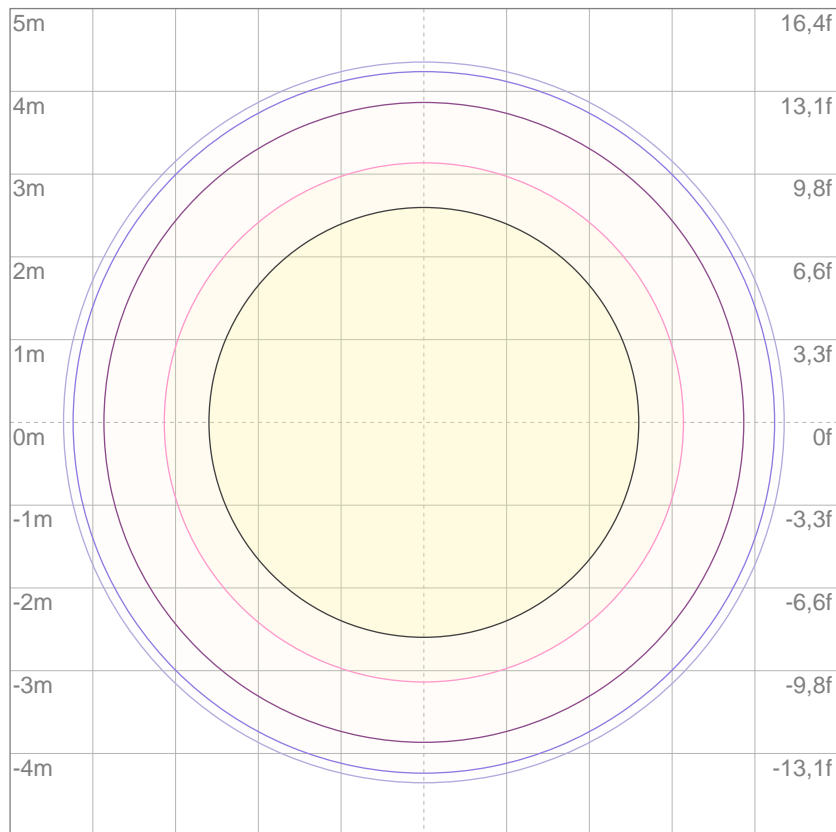
10%	712 cd
20%	1424 cd
30%	2137 cd
40%	2849 cd
50%	3561 cd
60%	4273 cd
70%	4985 cd
80%	5697 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7122 cd

## ISO LUX DIAGRAM



3%	2,14 lx
5%	3,56 lx
10%	7,12 lx
30%	21,4 lx
50%	35,6 lx

### Conditions:

Number of c-planes: 2

Lux at center: 71,2 lx

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



Total lumen output:

1605 lm

Peak candela output:

25143 cd

Light quality:

CRI: 95,9

Color temperature:

3113 K

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

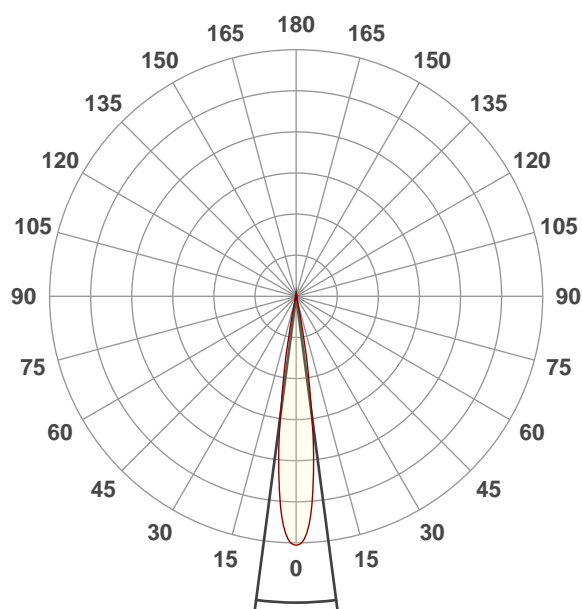
3200K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:19:51

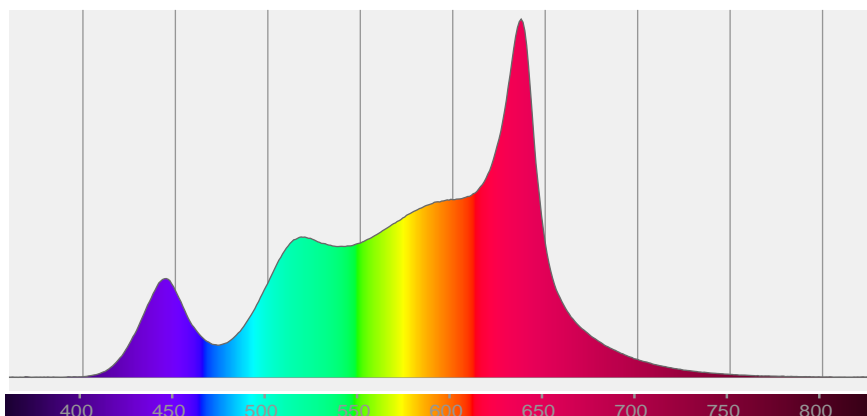


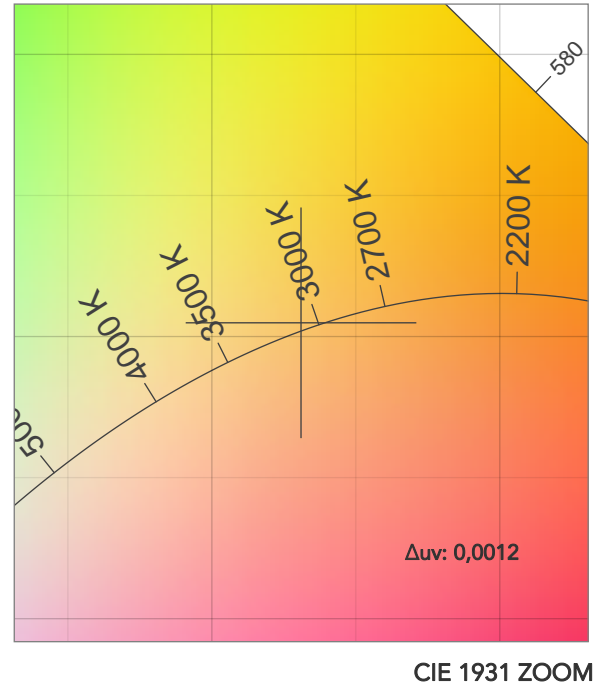
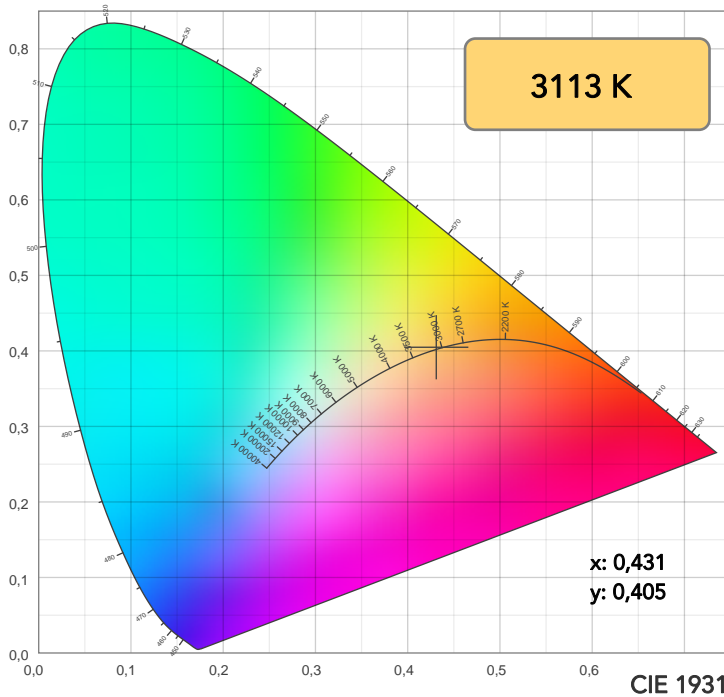
Beam angle 50%: 15°

Field angle 10%: 22,9°

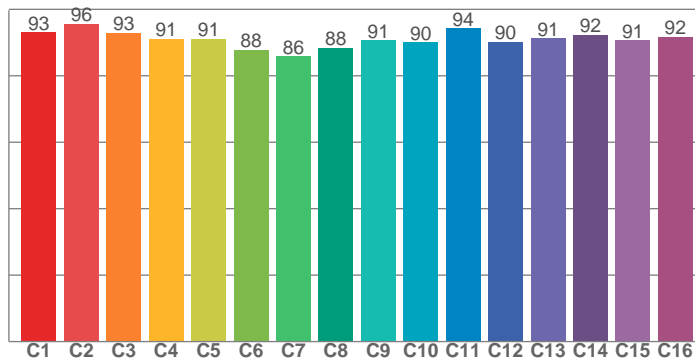
Cut off angle 2.5%: 27,2°

## Spectra

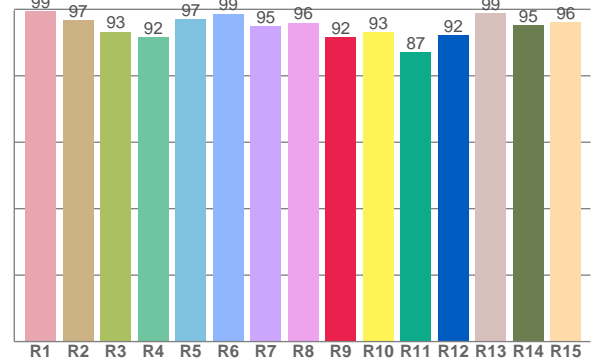




TM30: 91,5



CRI: 95,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,4	96,7	93,2	91,6	97,0	98,7	95,0	95,9	91,7	93,2	87,2	92,2	98,8	95,3	96,1

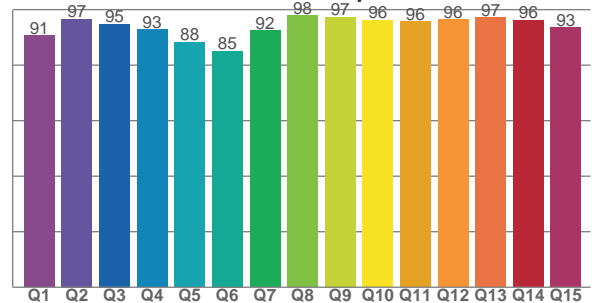
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	95,6	93,0	91,1	91,0	87,9	85,9	88,3	90,7	90,0	94,2	90,3	91,3	92,4	90,7	91,6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,7	96,6	94,8	92,8	88,2	85,2	92,4	97,9	97,3	96,2	95,7	96,5	97,1	96,2	93,5

CQS: 92,8



## 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
3113 K	95,9	91,7	91,5	104,3	92,8	84	0,431	0,405	0,0012

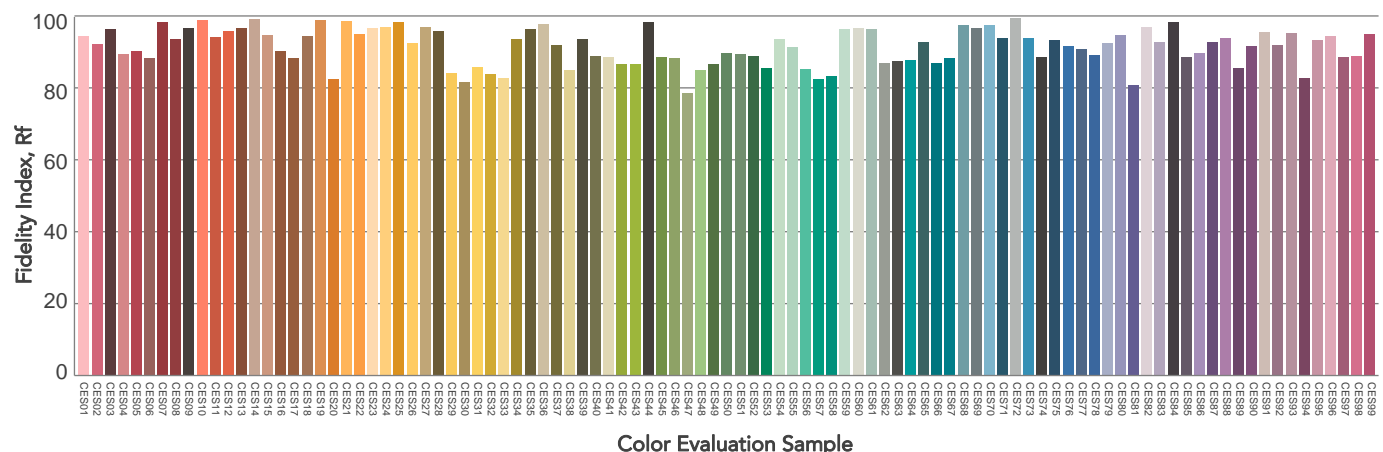
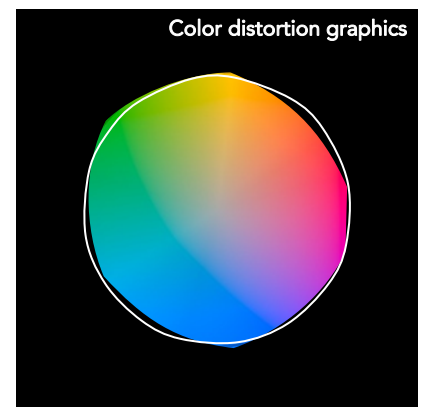
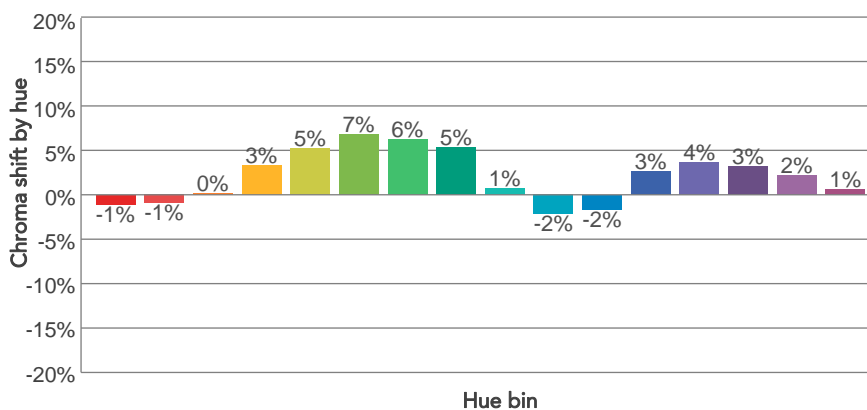
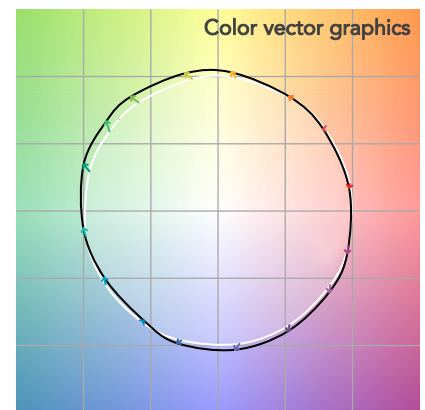
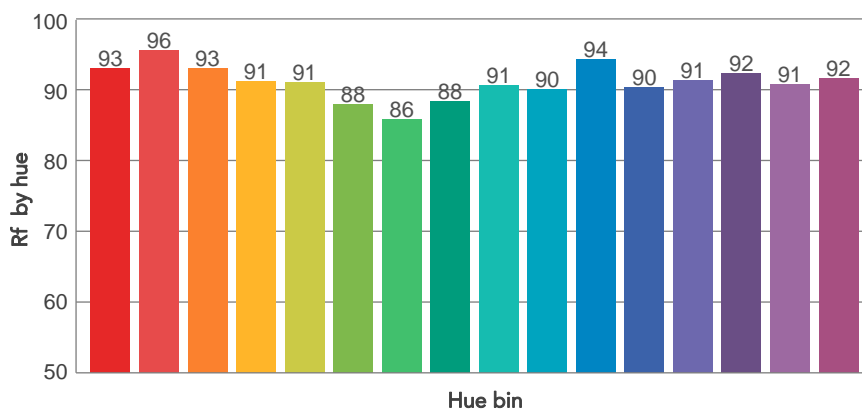
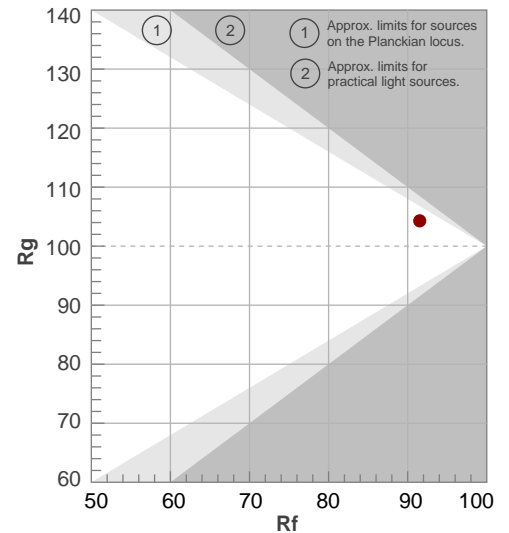


# TM30 DETAILS

**Rf 91,5**  
Fidelity index Rf

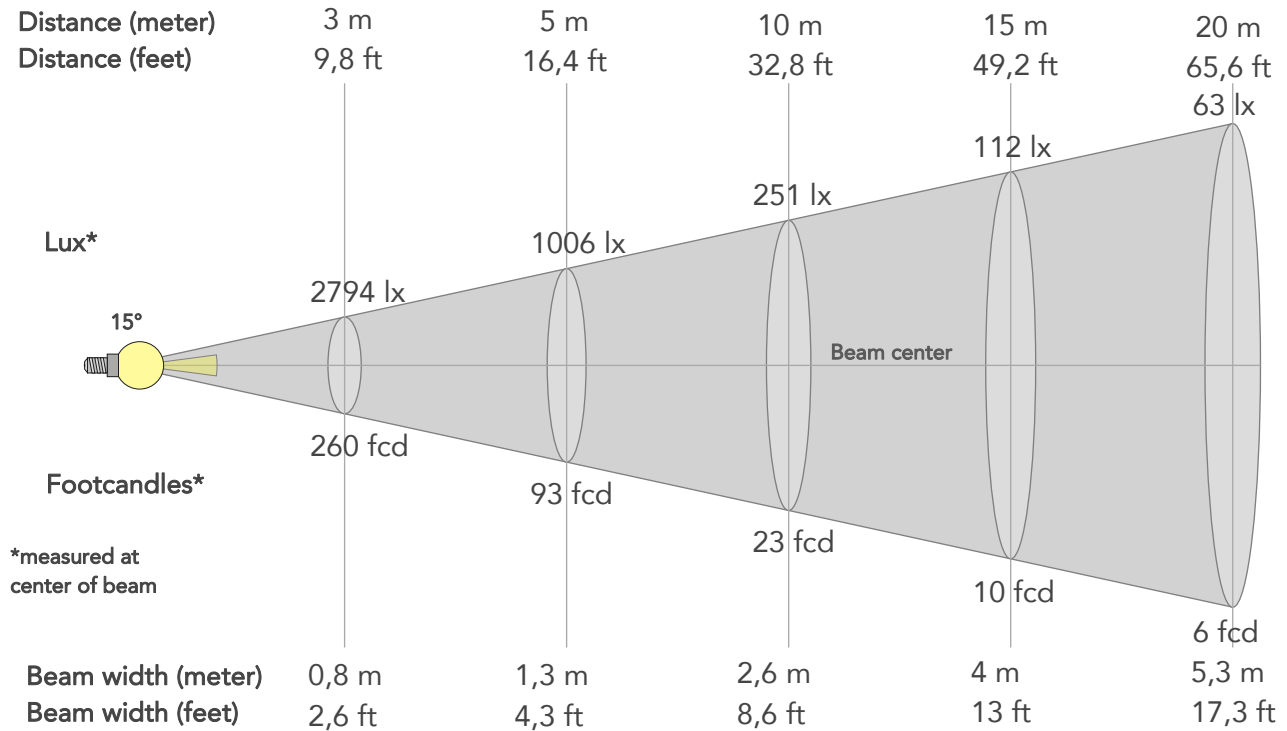
**Rg 104,3**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-3%
2	96	-1%	1%
3	93	0%	3%
4	91	3%	4%
5	91	5%	4%
6	88	7%	2%
7	86	6%	-5%
8	88	5%	-4%
9	91	1%	-6%
10	90	-2%	-5%
11	94	-2%	0%
12	90	3%	-2%
13	91	4%	-4%
14	92	3%	-4%
15	91	2%	-5%
16	92	1%	-6%



## BEAM DETAILS

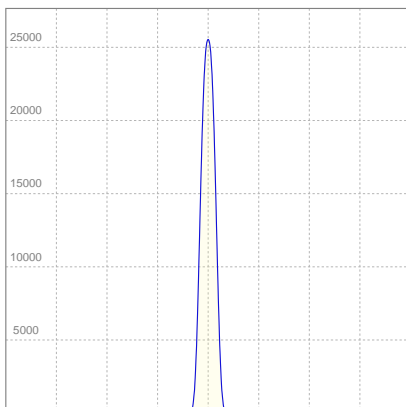
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	22,9°	27,2°	99,1%	99,0%



### 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	25143lx	6286lx	2794lx	1571lx	1006lx	447lx	251lx	112lx	63lx	40lx	28lx	16lx	10lx
Footcand.	2336fcd	584fcd	260fcd	146fcd	93fcd	42fcd	23fcd	10fcd	6fcd	4fcd	3fcd	1fcd	1fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	4m	5,3m	6,6m	7,9m	10,5m	13,2m
Beam wid.	0,9ft	1,7ft	2,6ft	3,5ft	4,3ft	6,5ft	8,6ft	13ft	17,3ft	21,6ft	25,9ft	34,6ft	43,2ft

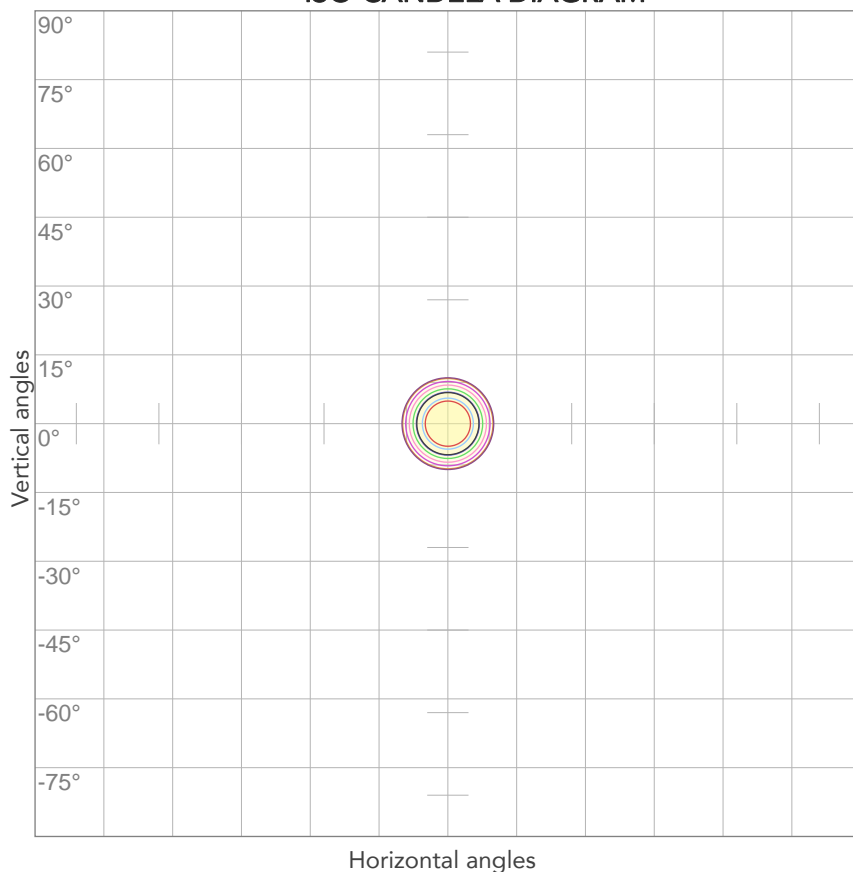
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,650A	130,7W	12lm/W

## ISO CANDELA DIAGRAM



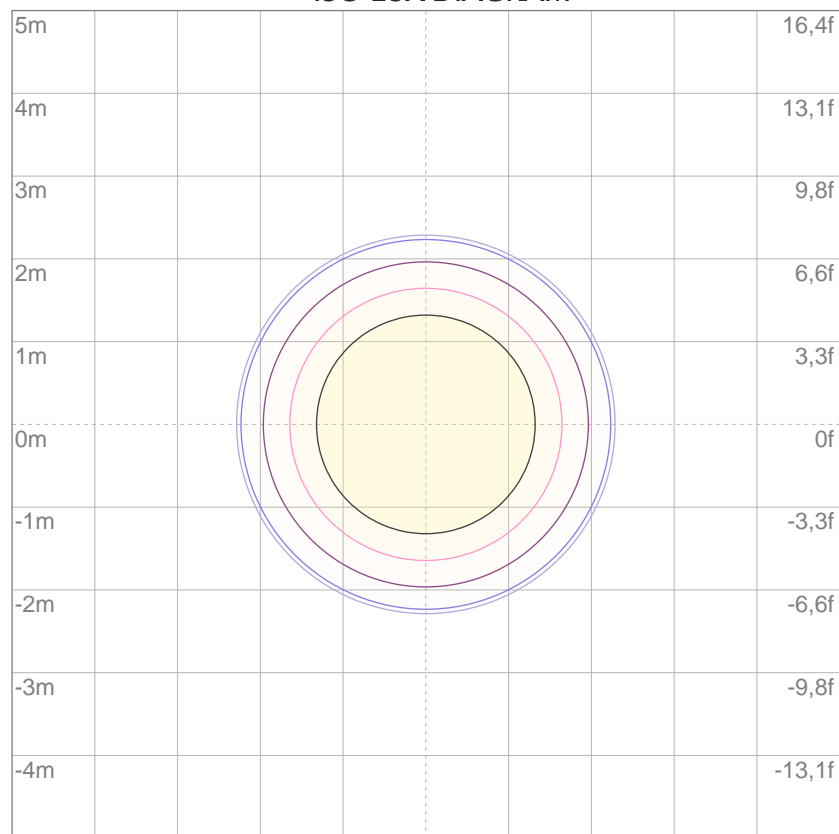
10%	2514 cd
20%	5029 cd
30%	7543 cd
40%	10057 cd
50%	12572 cd
60%	15086 cd
70%	17600 cd
80%	20114 cd

### Conditions:

Number of c-planes: 2

Candela at center: 25143 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:

1592 lm

Peak candela output:

75824 cd

Light quality:

CRI: 95,9

Color temperature:

3116 K

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

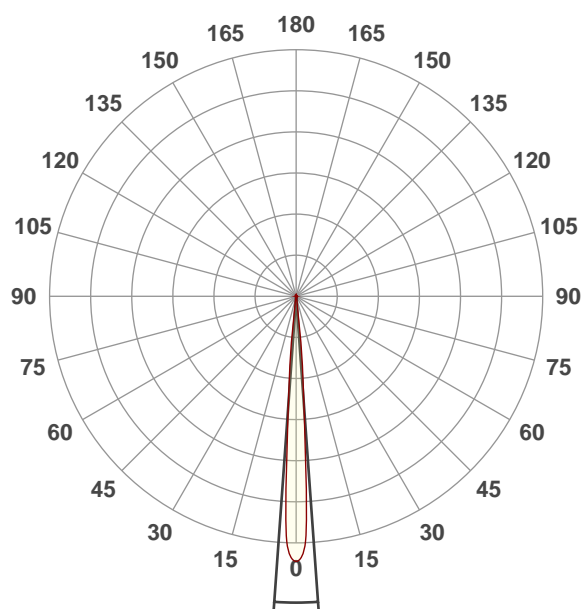
3200K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:29:37

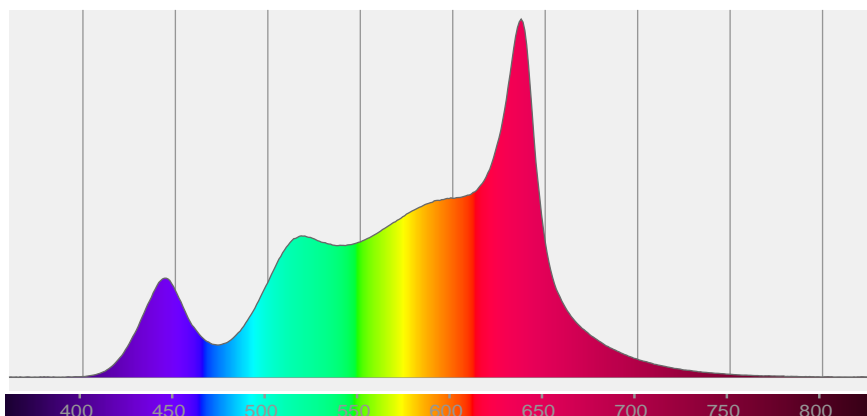


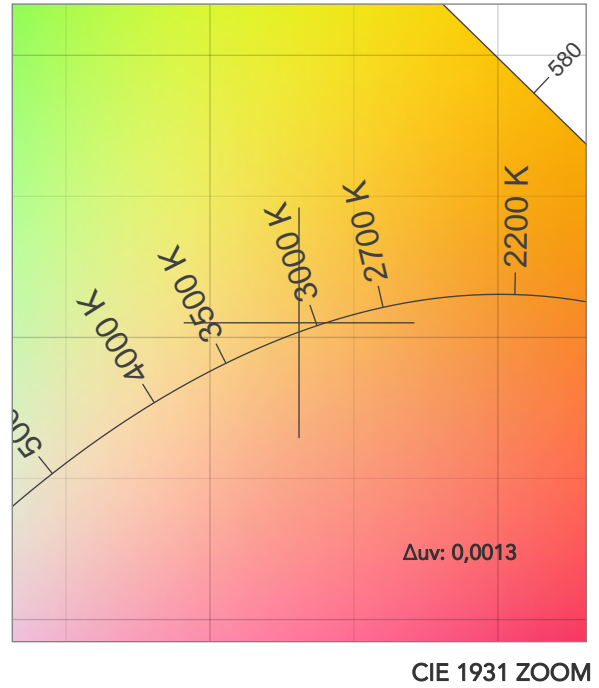
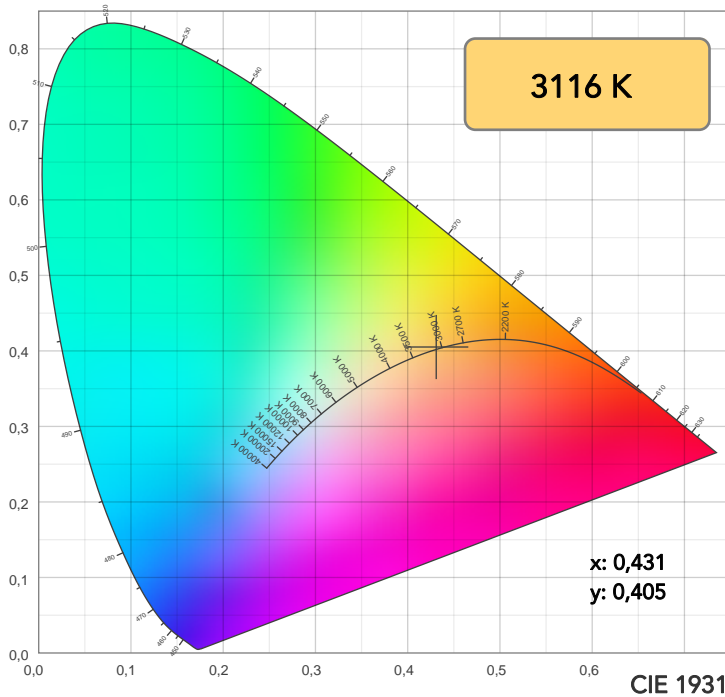
Beam angle 50%: 8,2°

Field angle 10%: 13,4°

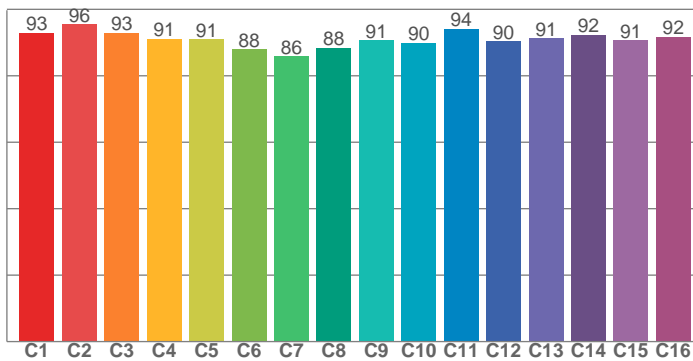
Cut off angle 2.5%: 16,2°

## Spectra

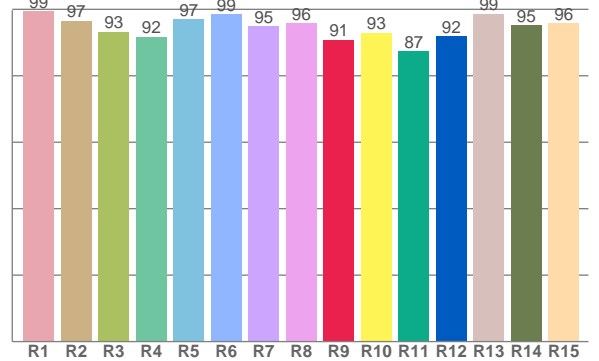




TM30: 91,5



CRI: 95,9 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,4	96,6	93,3	91,7	97,0	98,6	95,0	95,8	90,9	92,9	87,4	91,9	98,6	95,3	95,8

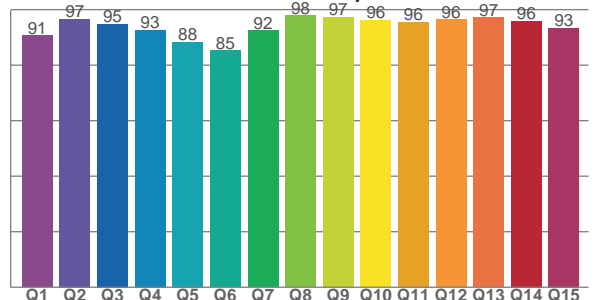
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	95,5	92,9	91,1	91,0	87,9	85,9	88,4	90,7	90,0	94,2	90,3	91,3	92,3	90,6	91,7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90,6	96,6	94,8	92,7	88,3	85,2	92,5	97,9	97,3	96,2	95,5	96,4	97,1	95,9	93,3

CQS: 92,8



## COLOR PARAMETERS

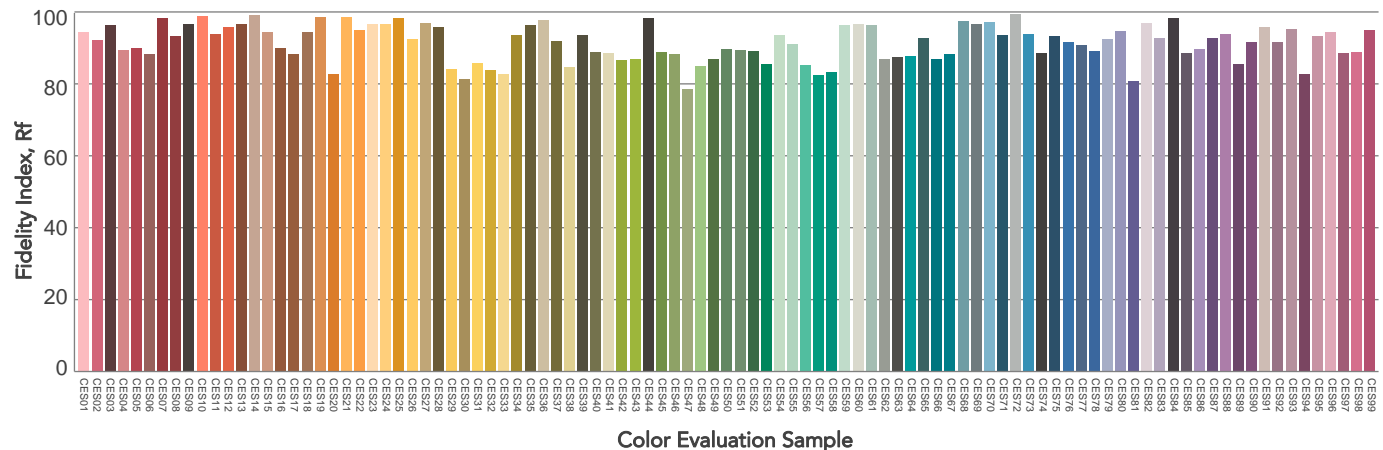
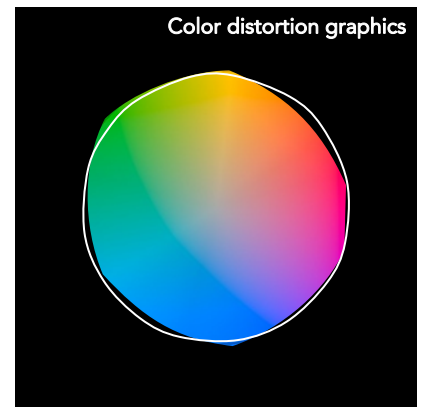
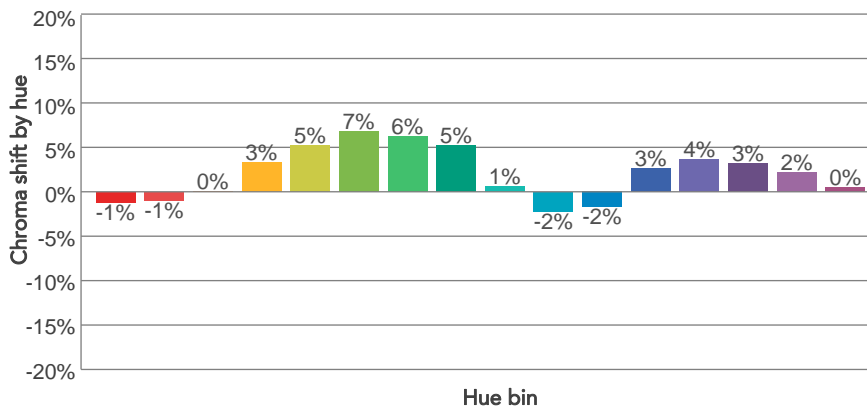
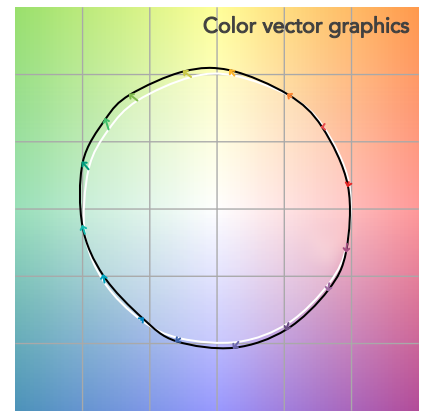
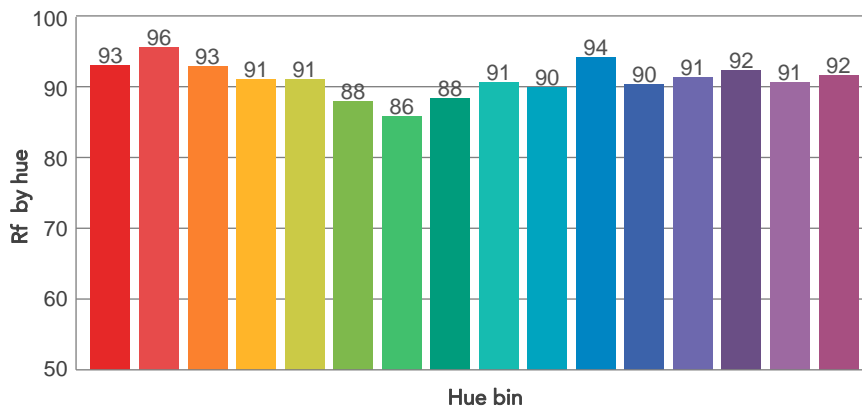
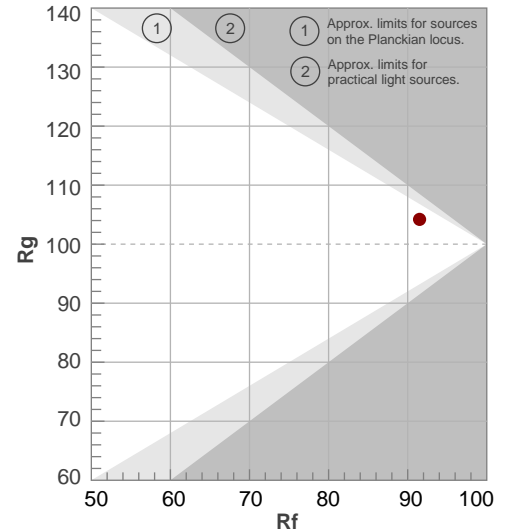
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
3116 K	95,9	90,9	91,5	104,2	92,8	84	0,431	0,405	0,0013

# TM30 DETAILS

**Rf 91,5**  
Fidelity index Rf

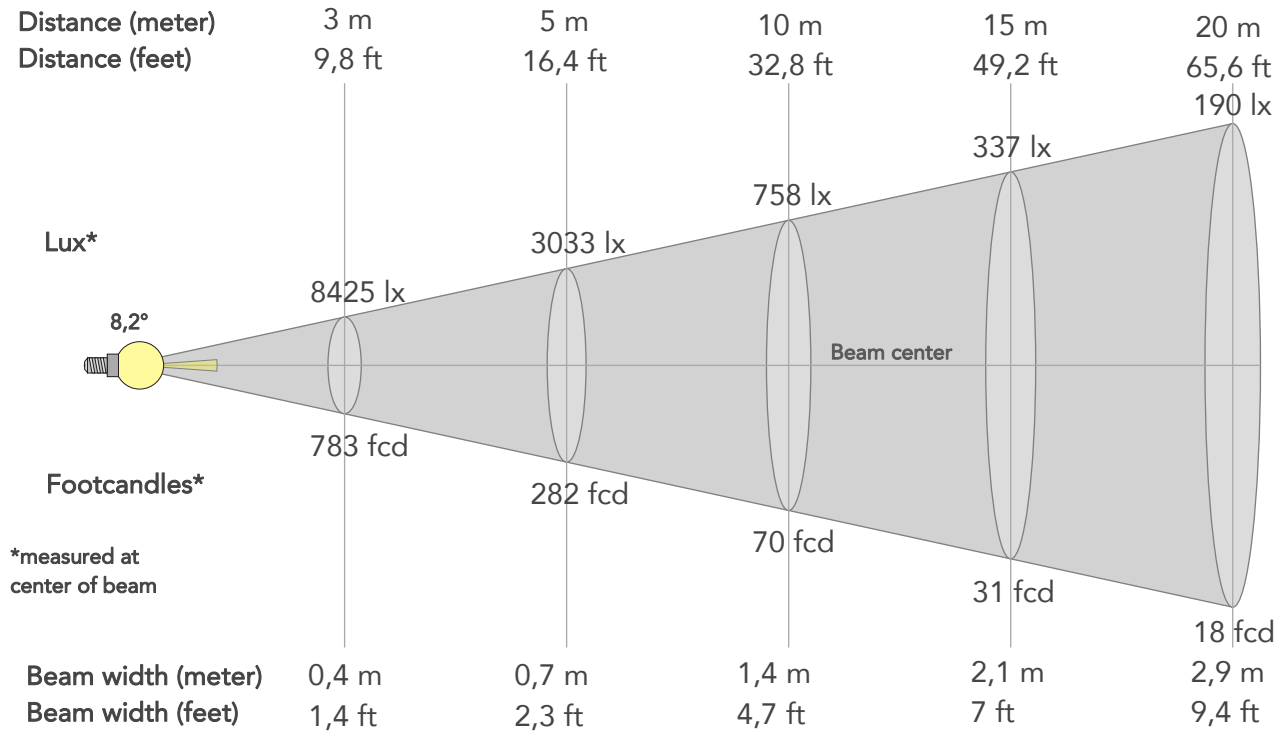
**Rg 104,2**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-1%	-3%
2	96	-1%	1%
3	93	0%	3%
4	91	3%	4%
5	91	5%	4%
6	88	7%	2%
7	86	6%	-5%
8	88	5%	-4%
9	91	1%	-6%
10	90	-2%	-5%
11	94	-2%	0%
12	90	3%	-2%
13	91	4%	-4%
14	92	3%	-4%
15	91	2%	-5%
16	92	0%	-6%



## BEAM DETAILS

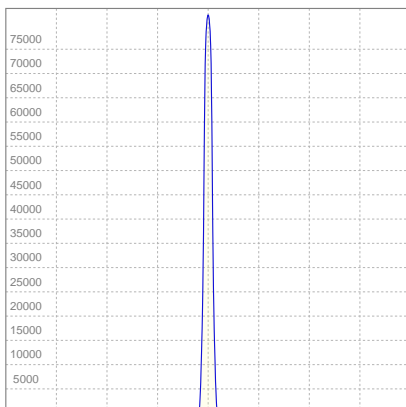
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
8,2°	13,4°	16,2°	98,1%	97,8%



### 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	75824lx	18956lx	8425lx	4739lx	3033lx	1348lx	758lx	337lx	190lx	121lx	84lx	47lx	30lx
Footcand.	7044fcd	1761fcd	783fcd	440fcd	282fcd	125fcd	70fcd	31fcd	18fcd	11fcd	8fcd	4fcd	3fcd
Beam wid.	0,1m	0,3m	0,4m	0,6m	0,7m	1,1m	1,4m	2,1m	2,9m	3,6m	4,3m	5,7m	7,2m
Beam wid.	0,5ft	0,9ft	1,4ft	1,9ft	2,3ft	3,5ft	4,7ft	7ft	9,4ft	11,7ft	14,1ft	18,8ft	23,5ft

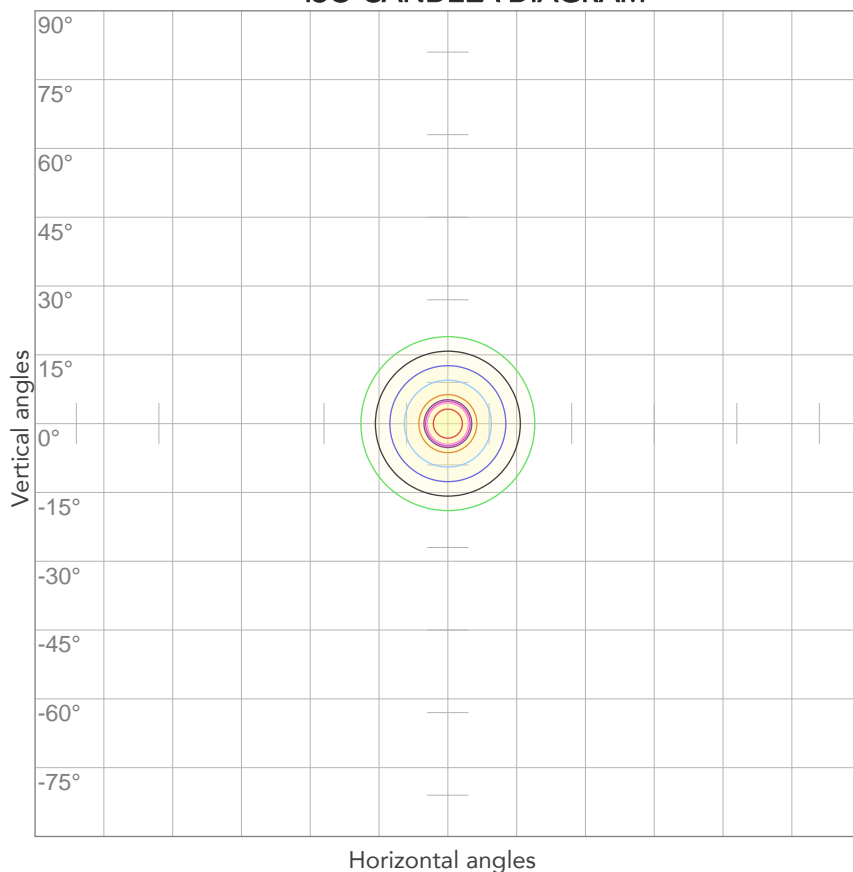
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,636A	127,7W	12lm/W

## ISO CANDELA DIAGRAM



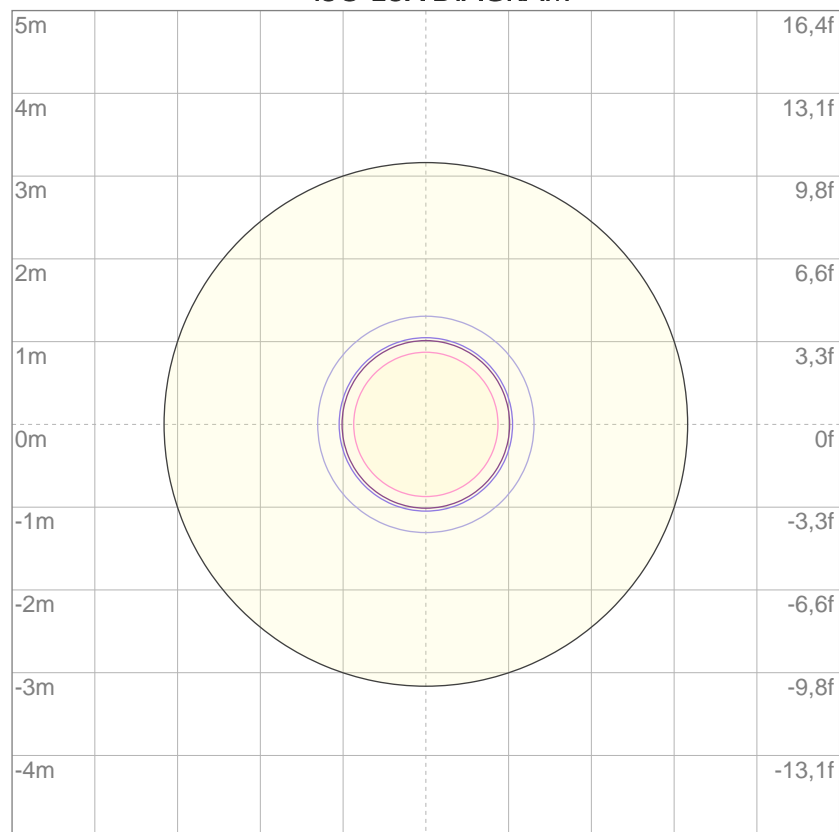
10%	7582 cd
20%	15165 cd
30%	22747 cd
40%	30330 cd
50%	37912 cd
60%	45494 cd
70%	53077 cd
80%	60659 cd

### Conditions:

Number of c-planes: 2

Candela at center: 75824 cd

## ISO LUX DIAGRAM



3%	22,7 lx
5%	37,9 lx
10%	75,8 lx
30%	227 lx
50%	379 lx

### Conditions:

Number of c-planes: 2

Lux at center: 758 lx

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





Total lumen output:

1696 lm

Peak candela output:

7421 cd

Light quality:

CRI: 95,1

Color temperature:

4038 K

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

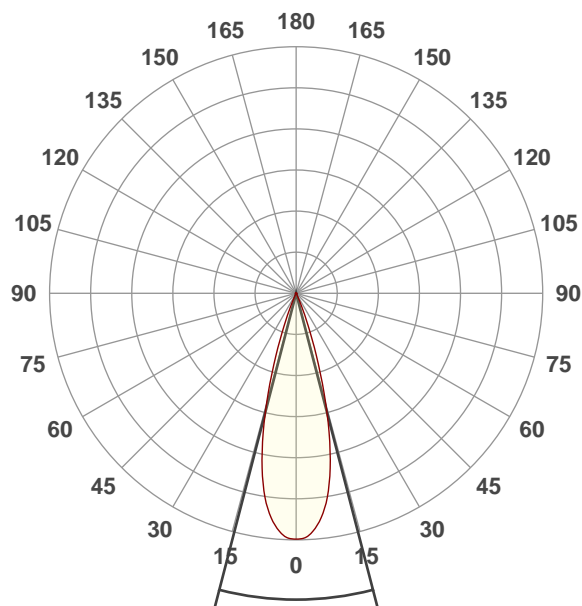
4200K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:33:09

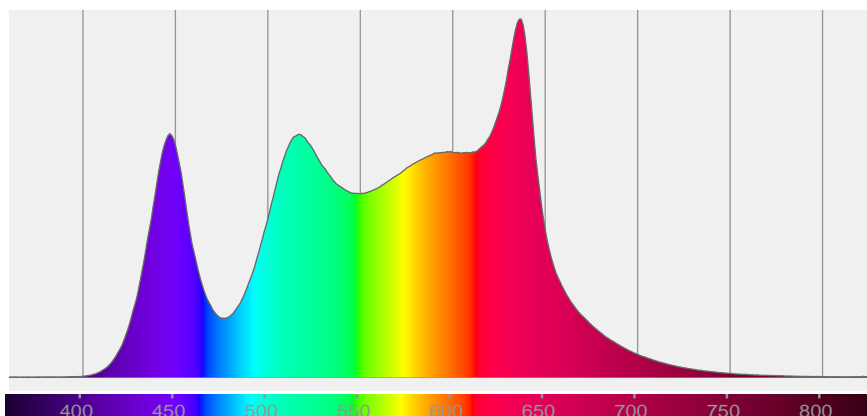


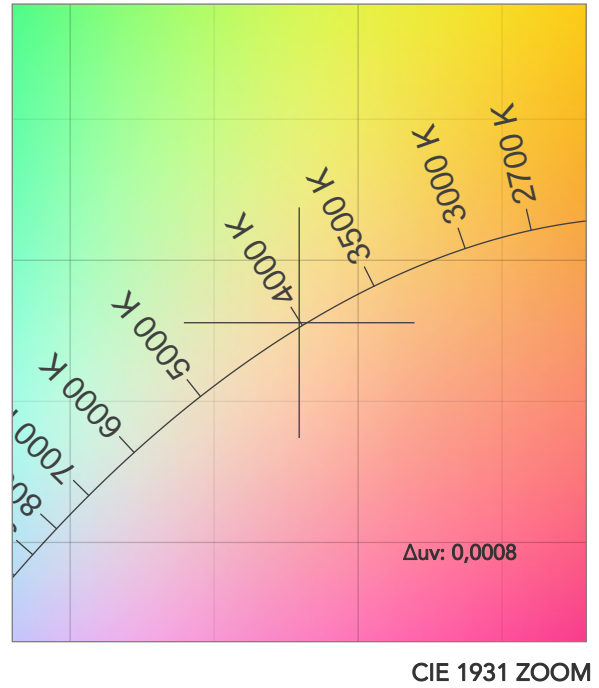
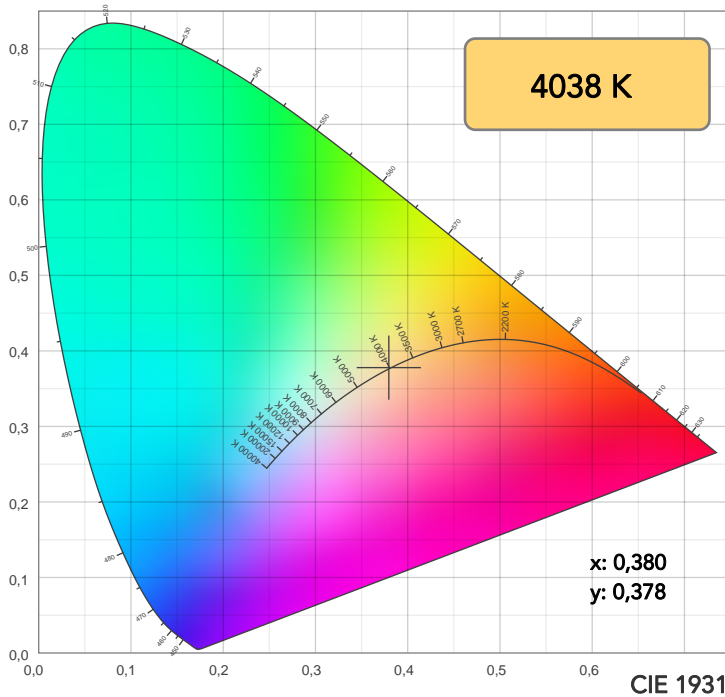
Beam angle 50%: 29,1°

Field angle 10%: 43°

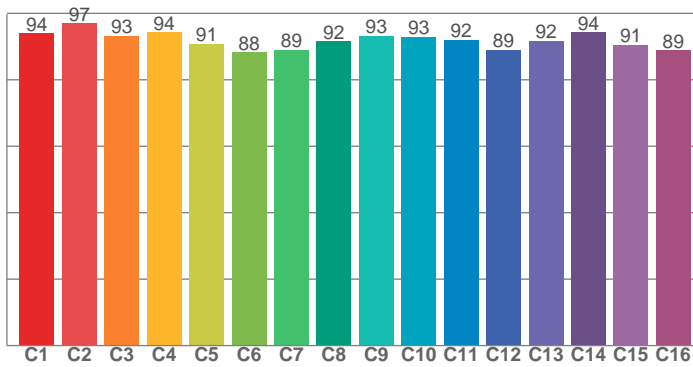
Cut off angle 2.5%: 49,2°

## Spectra

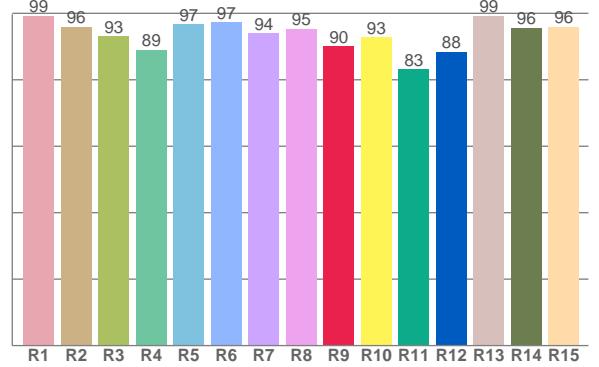




TM30: 92,1



CRI: 95,1 (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
99,2	96,0	93,2	89,0	96,7	97,3	94,0	95,3	90,0	92,9	83,2	88,4	99,2	95,7	96,0

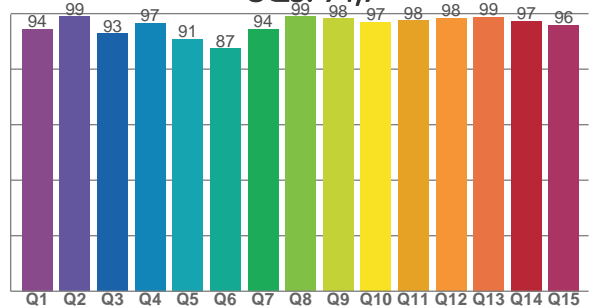
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,9	97,0	93,2	94,3	90,9	88,3	88,9	91,5	93,3	92,9	92,0	89,0	91,7	94,2	90,6	88,9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,5	98,9	92,8	96,7	90,8	87,4	94,4	98,9	98,2	96,9	97,5	98,3	98,8	97,4	96,0

CQS: 94,7



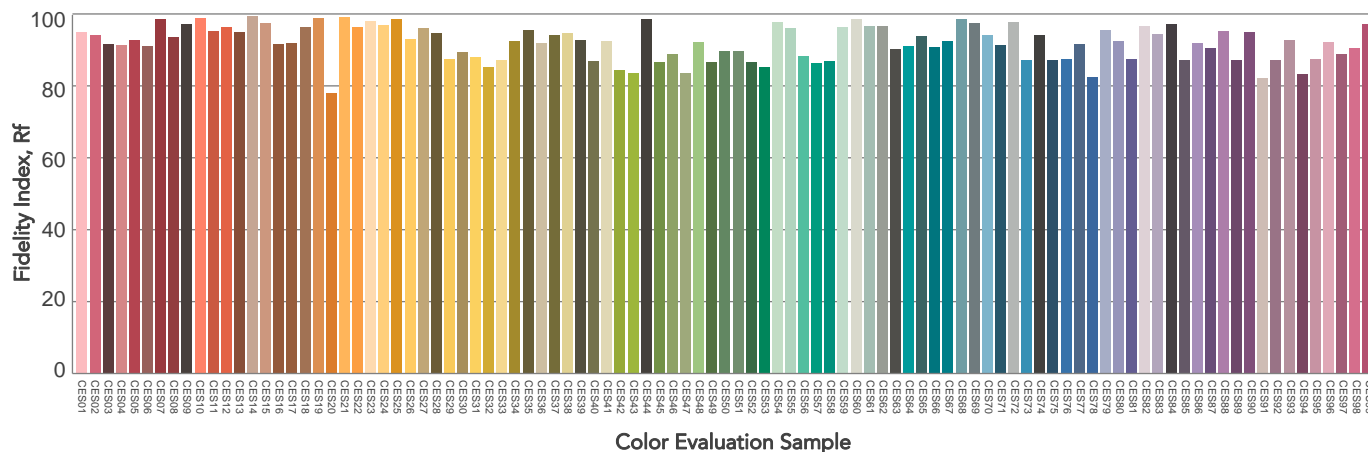
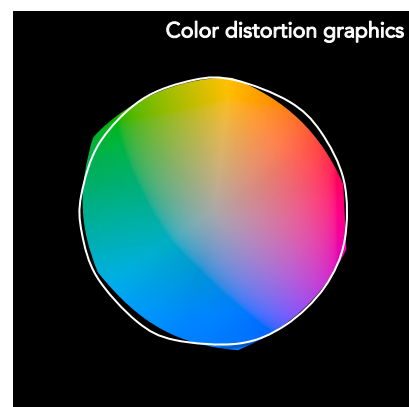
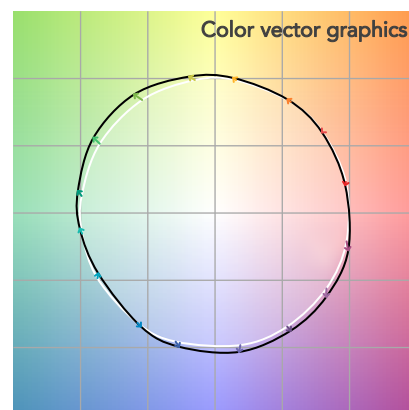
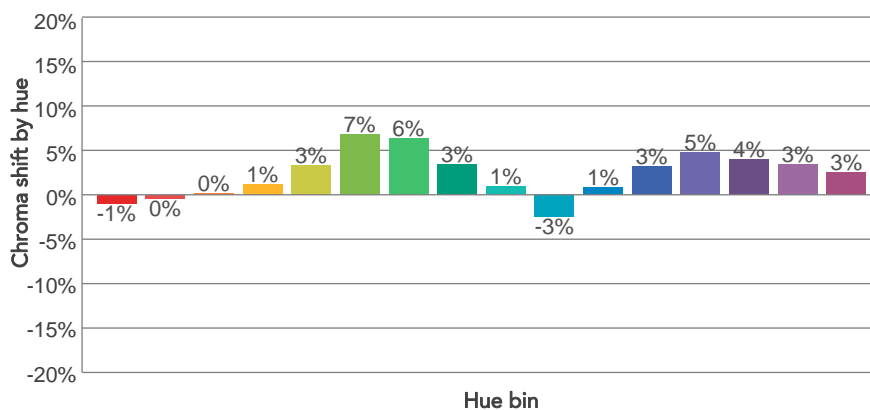
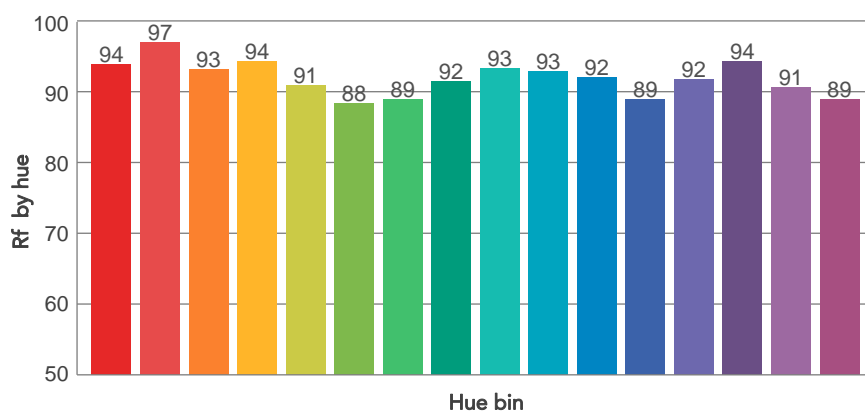
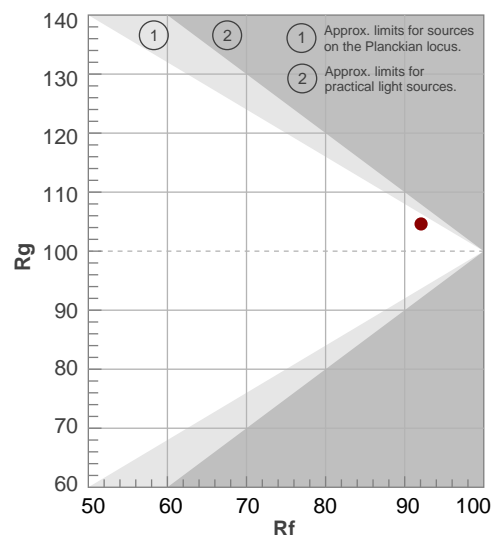
## COLOR PARAMETERS

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4038 K	95,1	90,0	92,1	104,6	94,7	82	0,380	0,378	0,0008

Fidelity index  $R_f$

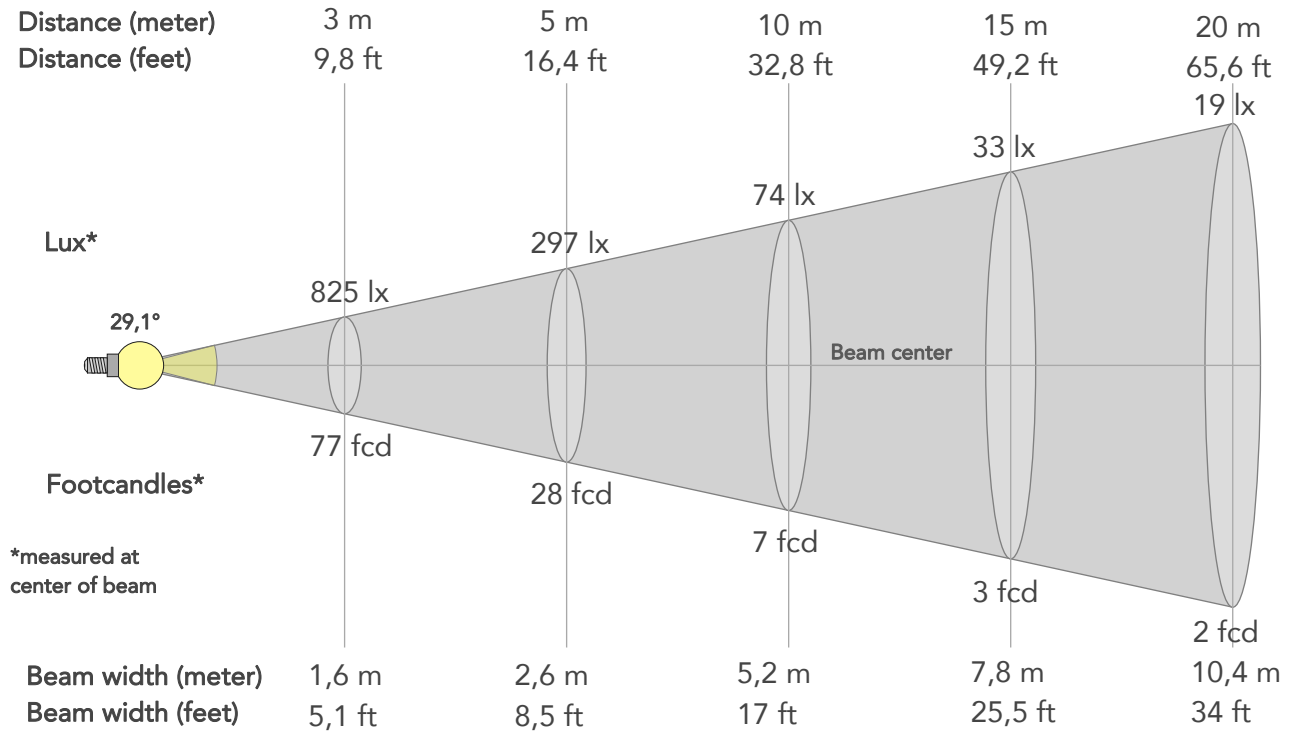
## Gammut index

		Graphic shifts (%)	
Hue Bin	$R_f$	Chroma	Hue
1	94	-1%	-2%
2	97	0%	0%
3	93	0%	3%
4	94	1%	2%
5	91	3%	4%
6	88	7%	3%
7	89	6%	-1%
8	92	3%	-3%
9	93	1%	-4%
10	93	-3%	-3%
11	92	1%	4%
12	89	3%	3%
13	92	5%	-2%
14	94	4%	0%
15	91	3%	-5%
16	89	3%	-6%



## BEAM DETAILS

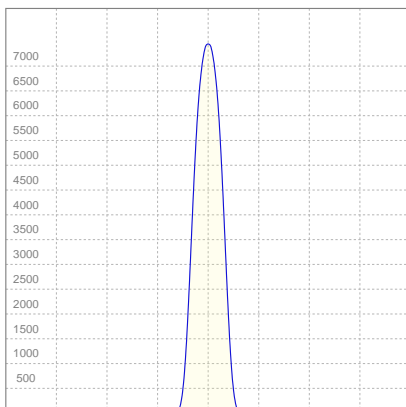
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,1°	43°	49,2°	98,6%	98,4%



### 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	7421lx	1855lx	825lx	464lx	297lx	132lx	74lx	33lx	19lx	12lx	8lx	5lx	3lx
Footcand.	689fcd	172fcd	77fcd	43fcd	28fcd	12fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,4m	13m	15,5m	20,7m	25,9m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,7ft	17ft	25,5ft	34ft	42,5ft	51ft	68ft	85ft

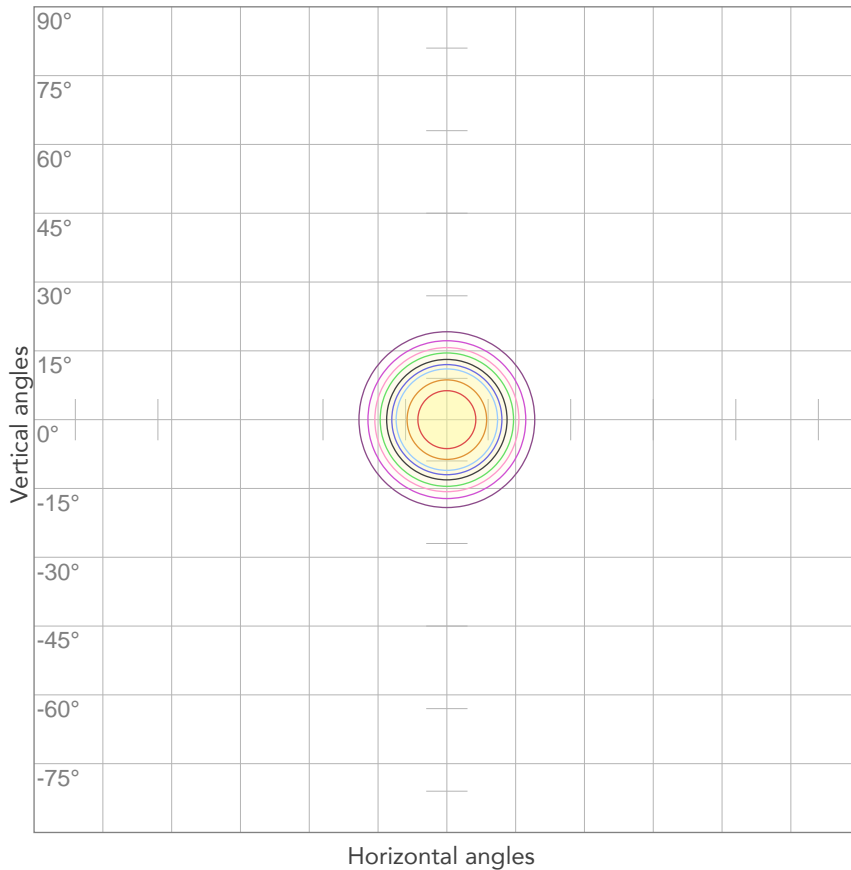
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,654A	131,5W	13lm/W

## ISO CANDELA DIAGRAM



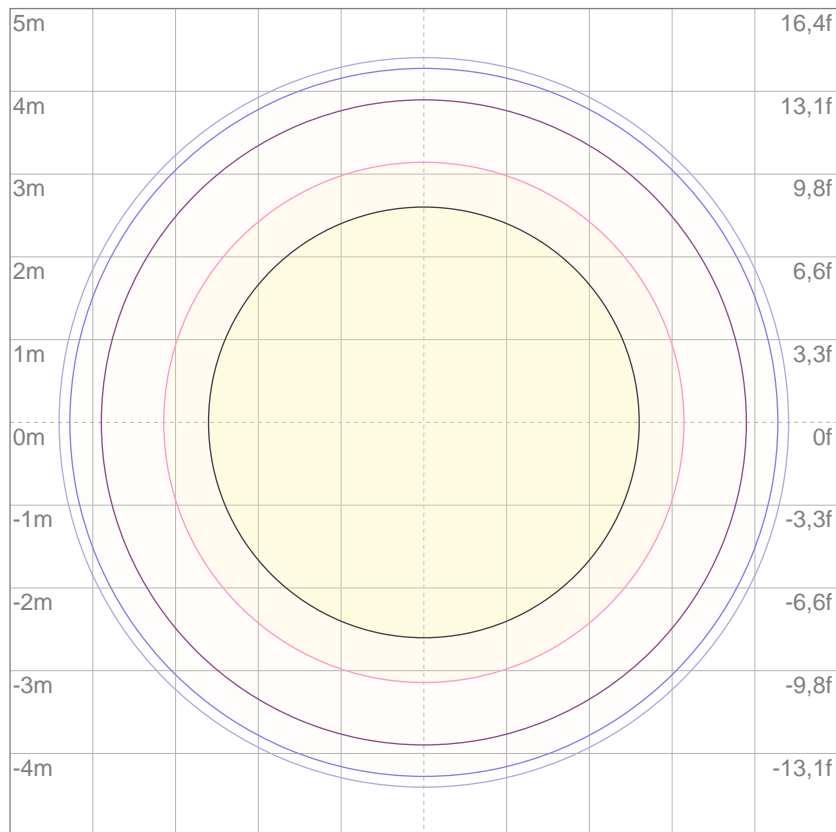
10%	742 cd
20%	1484 cd
30%	2226 cd
40%	2968 cd
50%	3710 cd
60%	4452 cd
70%	5194 cd
80%	5936 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7421 cd

## ISO LUX DIAGRAM



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

### Conditions:

Number of c-planes: 2

Lux at center: 74,2 lx

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



Total lumen output:

1685 lm

Peak candela output:

26713 cd

Light quality:

CRI: 95,1

Color temperature:

4054 K

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

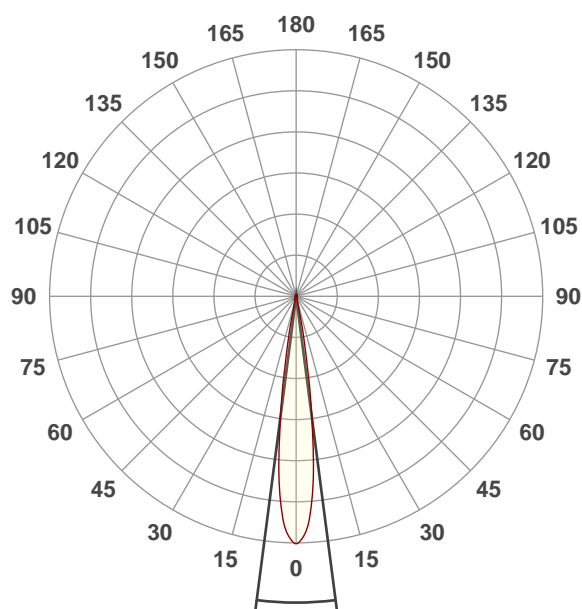
4200K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:21:23

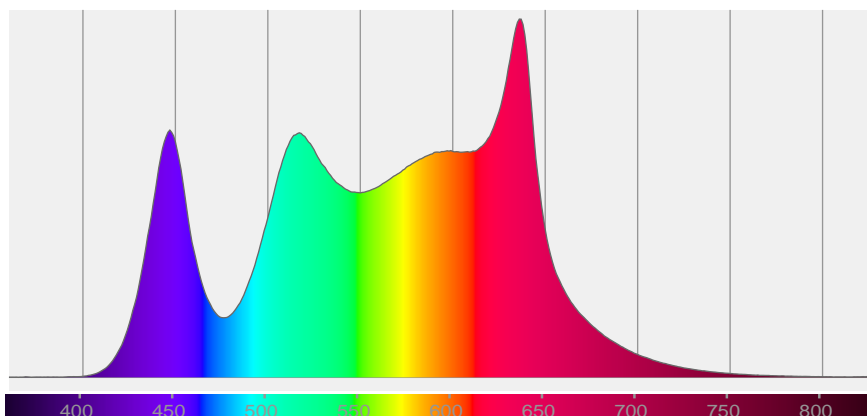


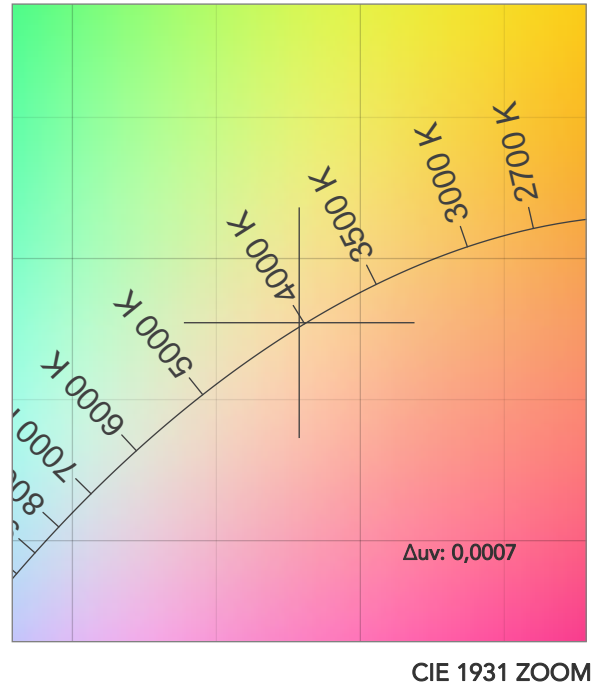
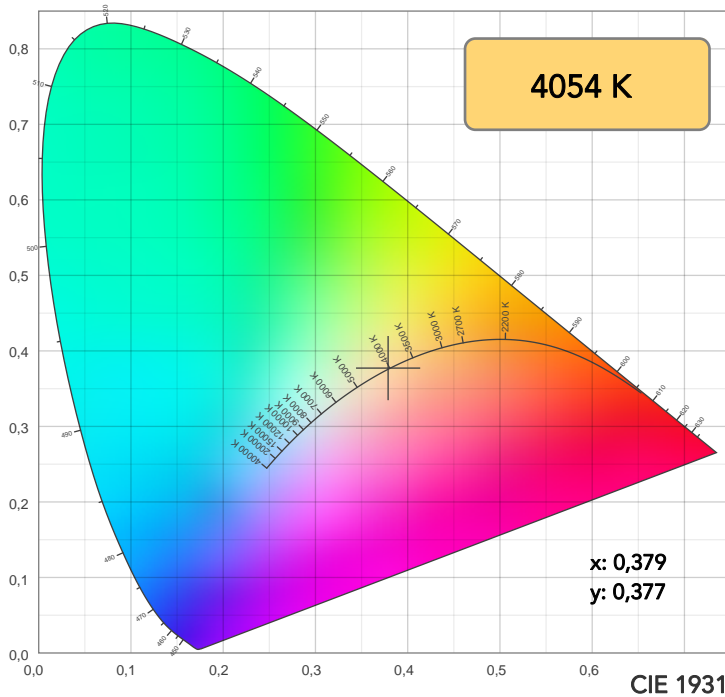
Beam angle 50%: 14,8°

Field angle 10%: 23,3°

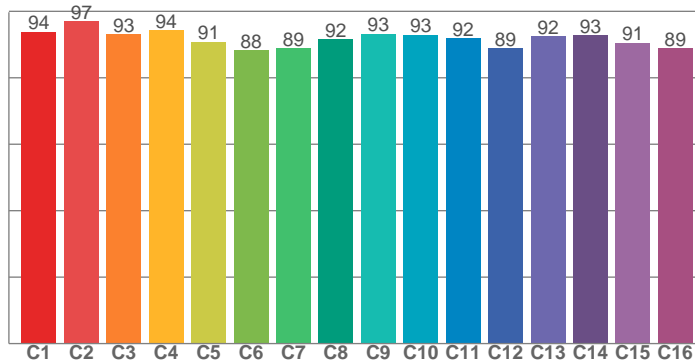
Cut off angle 2.5%: 27,4°

## Spectra

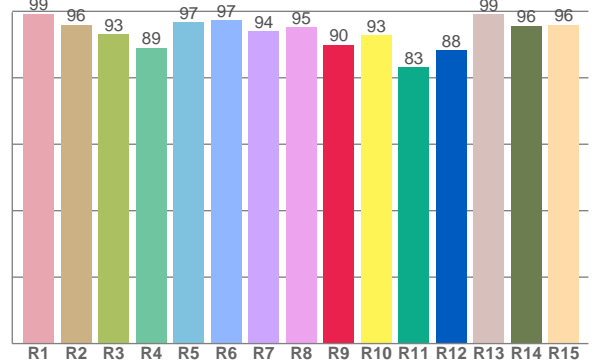




**TM30: 92,0**



**CRI: 95,1 (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
99,3	95,9	93,1	89,0	96,7	97,2	93,9	95,3	89,9	92,8	83,2	88,3	99,2	95,7	96,0

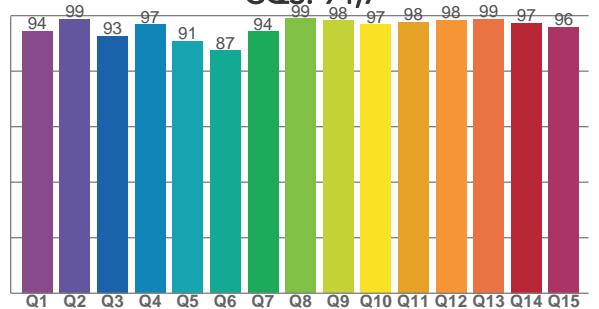
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,9	97,0	93,1	94,2	90,8	88,2	88,9	91,5	93,3	92,9	91,9	88,9	92,4	92,8	90,5	88,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,5	98,8	92,7	96,7	90,9	87,4	94,3	98,9	98,2	96,8	97,6	98,4	98,8	97,3	95,9

**CQS: 94,7**



## COLOR PARAMETERS

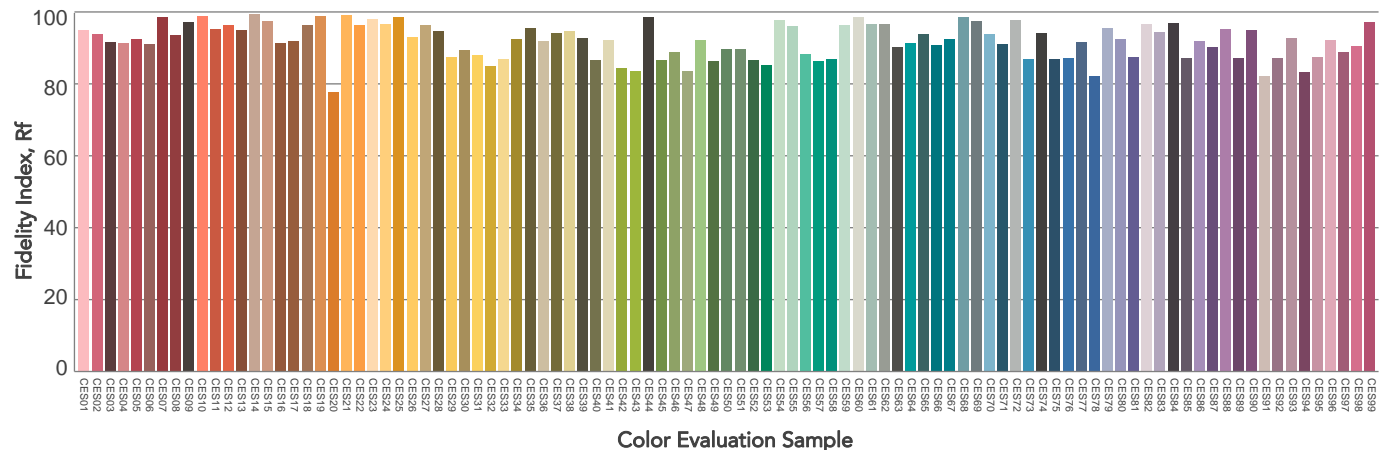
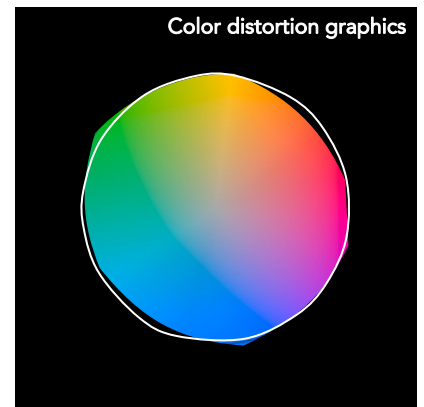
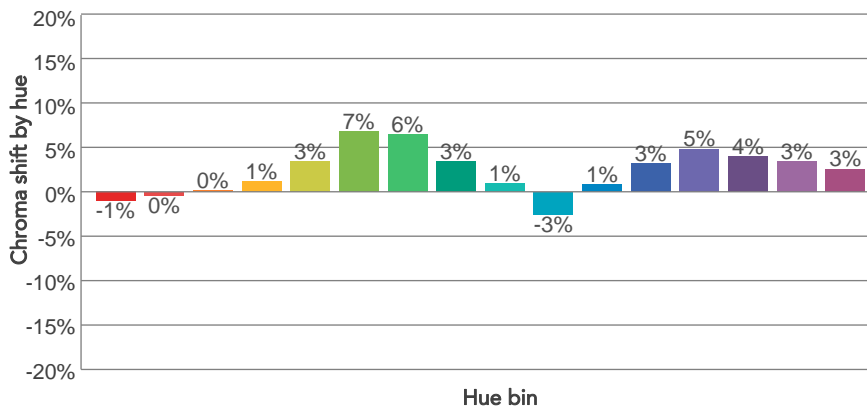
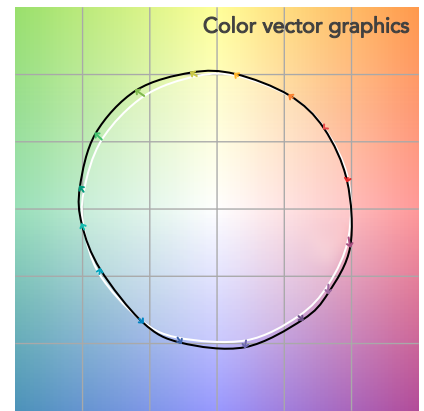
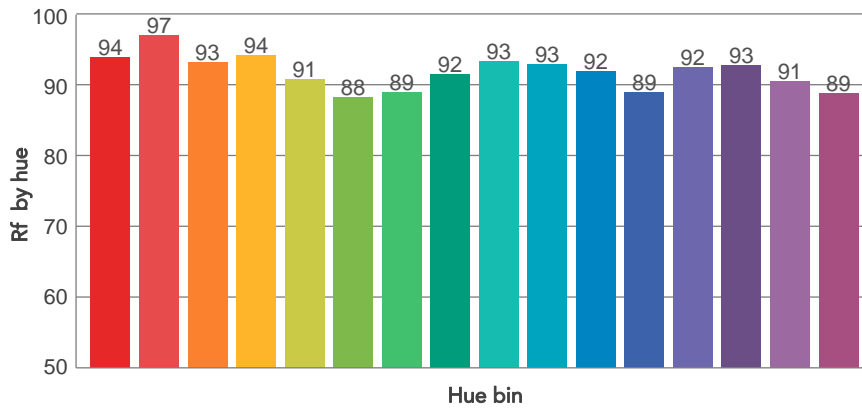
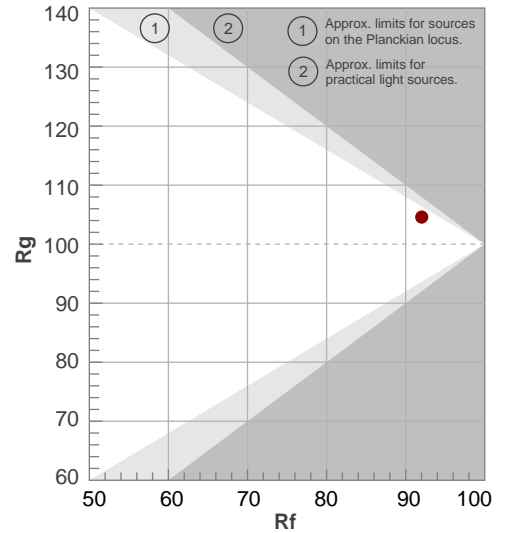
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
4054 K	95,1	89,9	92,0	104,6	94,7	82	0,379	0,377	0,0007

# TM30 DETAILS

**Rf 92,0**  
Fidelity index Rf

**Rg 104,6**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	97	0%	0%
3	93	0%	3%
4	94	1%	2%
5	91	3%	4%
6	88	7%	3%
7	89	6%	-1%
8	92	3%	-3%
9	93	1%	-4%
10	93	-3%	-3%
11	92	1%	4%
12	89	3%	3%
13	92	5%	-2%
14	93	4%	1%
15	91	3%	-5%
16	89	3%	-6%

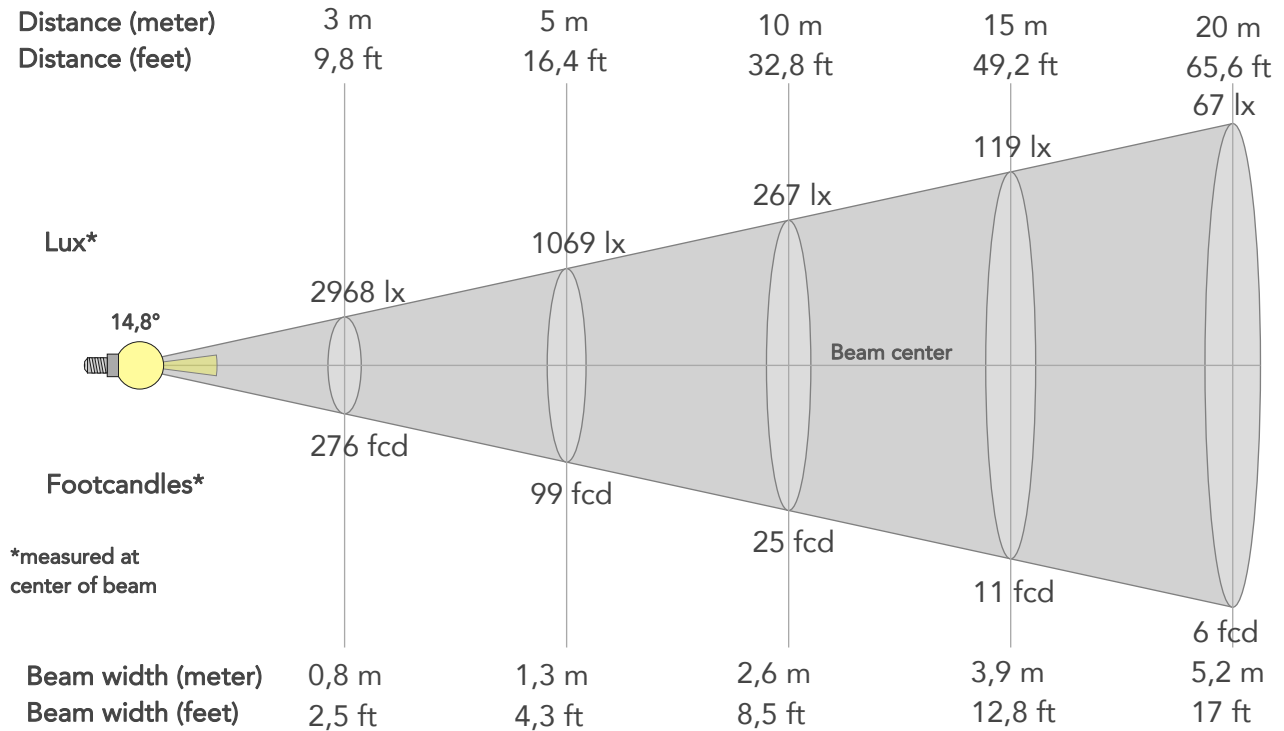




## BEAM DETAILS



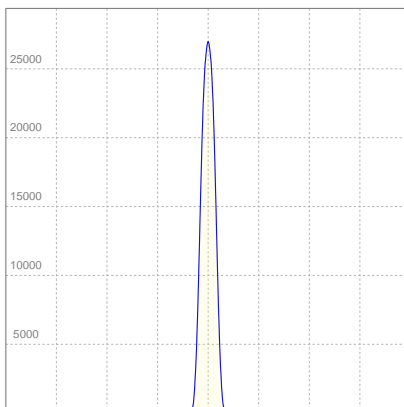
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
14,8°	23,3°	27,4°	98,7%	98,6%



### 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	26713lx	6678lx	2968lx	1670lx	1069lx	475lx	267lx	119lx	67lx	43lx	30lx	17lx	11lx
Footcand.	2482fcd	620fcd	276fcd	155fcd	99fcd	44fcd	25fcd	11fcd	6fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,5m	0,8m	1m	1,3m	1,9m	2,6m	3,9m	5,2m	6,5m	7,8m	10,4m	13m
Beam wid.	0,9ft	1,7ft	2,5ft	3,4ft	4,3ft	6,4ft	8,5ft	12,8ft	17ft	21,3ft	25,6ft	34,1ft	42,6ft

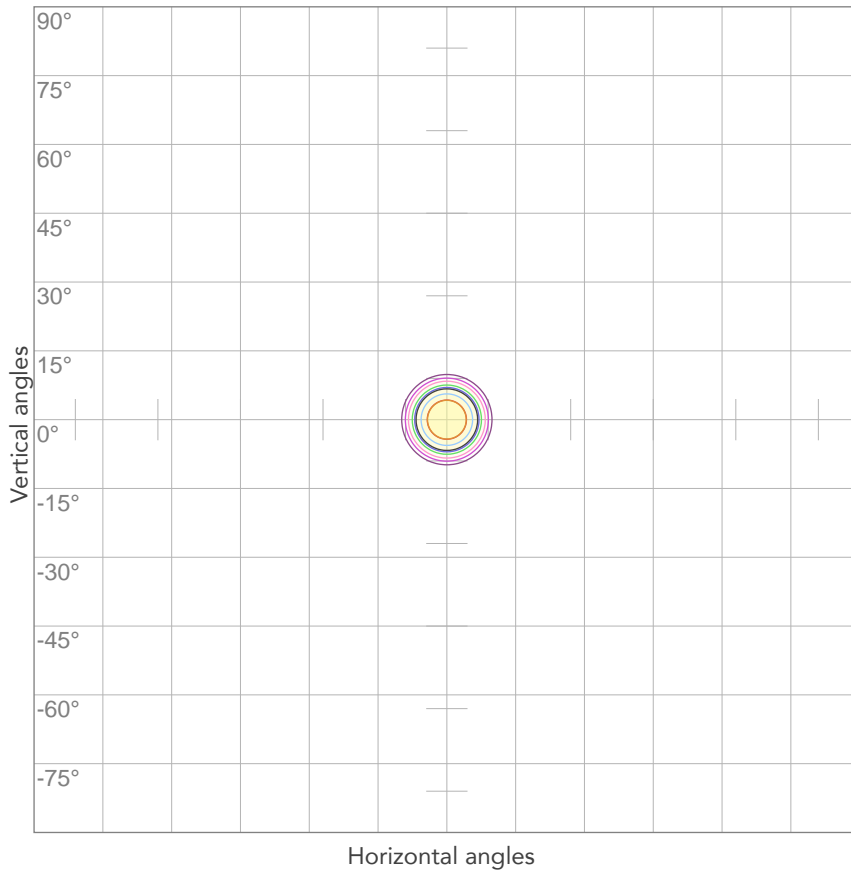
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,665A	134,7W	13lm/W

## ISO CANDELA DIAGRAM



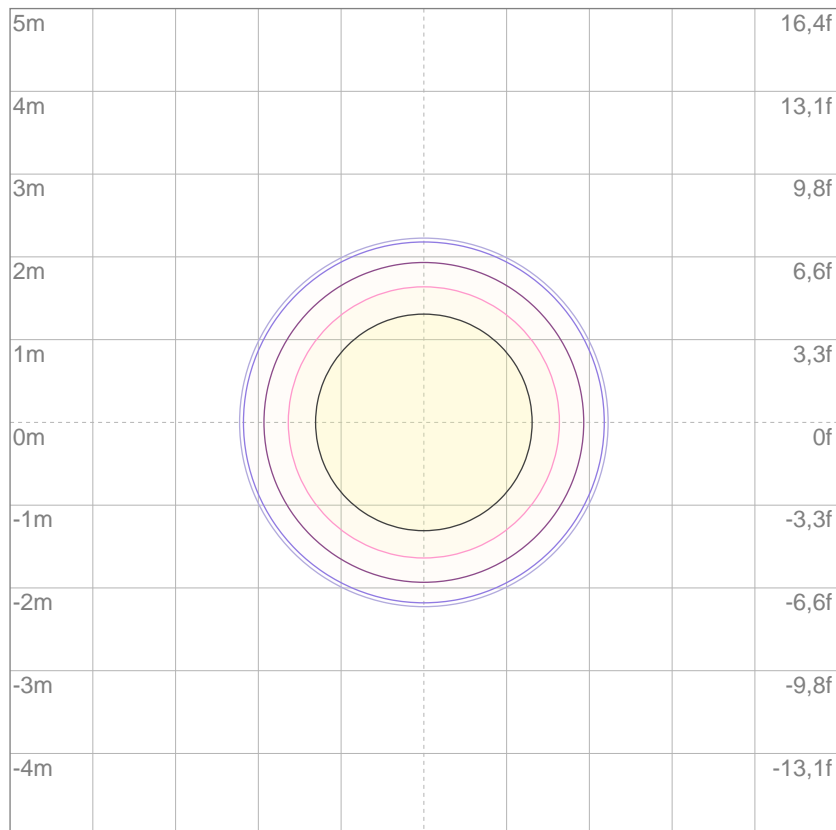
10%	2671 cd
20%	5343 cd
30%	8014 cd
40%	10685 cd
50%	13356 cd
60%	16028 cd
70%	18699 cd
80%	21370 cd

### Conditions:

Number of c-planes: 2

Candela at center: 26713 cd

## ISO LUX DIAGRAM



3%	8,01 lx
5%	13,4 lx
10%	26,7 lx
30%	80,1 lx
50%	134 lx

### Conditions:

Number of c-planes: 2

Lux at center: 267 lx

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



Total lumen output:

1682 lm

Peak candela output:

96533 cd

Light quality:

CRI: 95,0

Color temperature:

4059 K

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

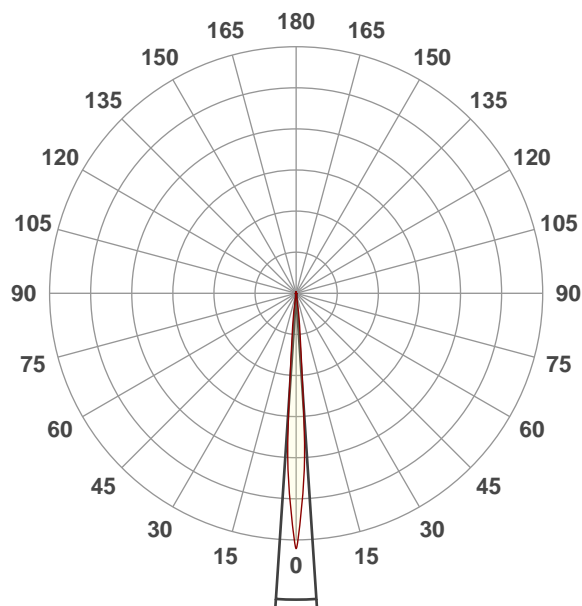
4200K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:27:13

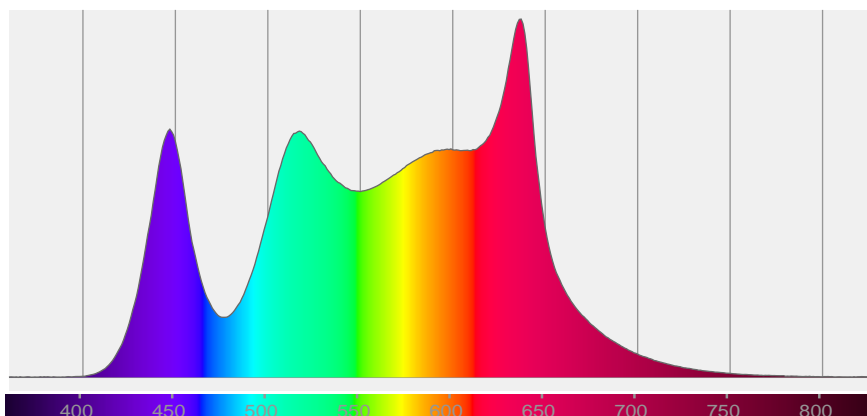


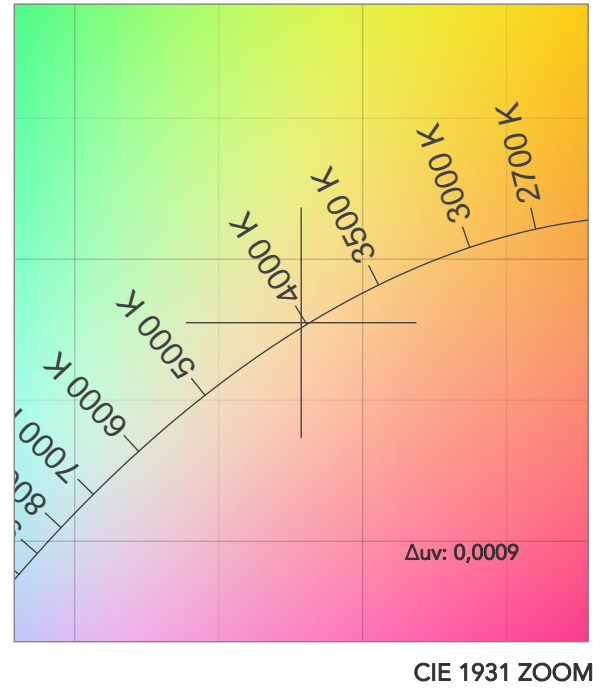
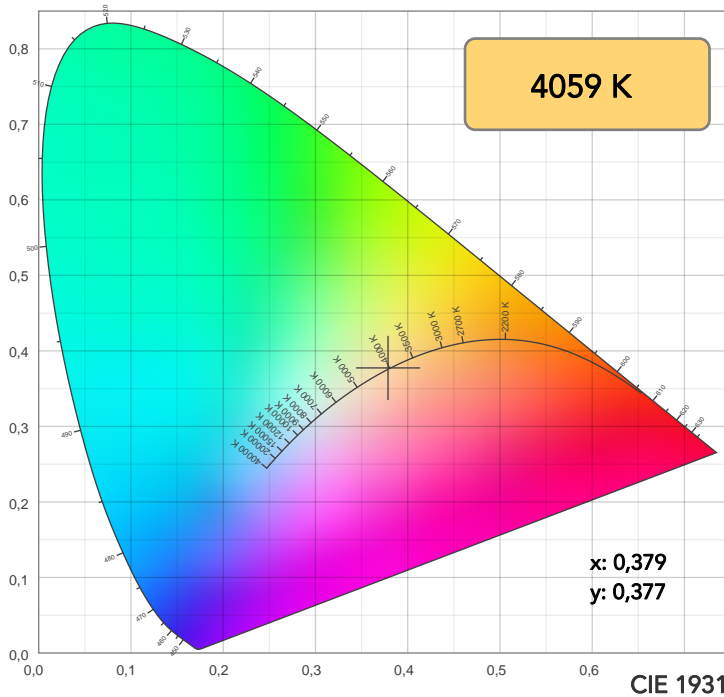
Beam angle 50%: 7,6°

Field angle 10%: 13,1°

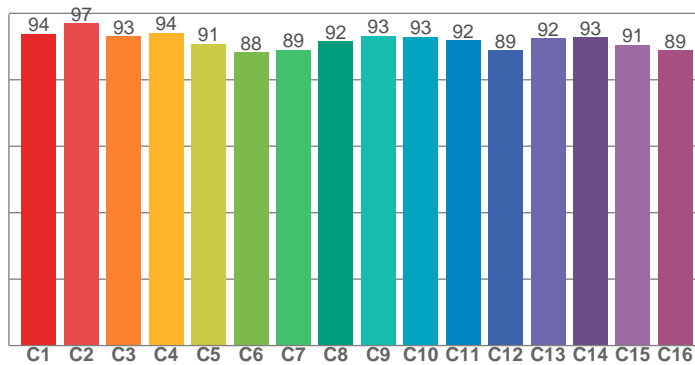
Cut off angle 2.5%: 15,4°

## Spectra

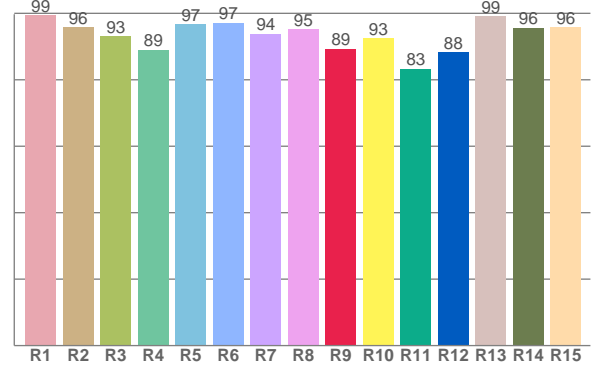




TM30: 92,0



CRI: 95,0 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,4	95,8	93,1	89,1	96,7	97,2	93,9	95,2	89,3	92,6	83,3	88,2	99,1	95,7	95,8

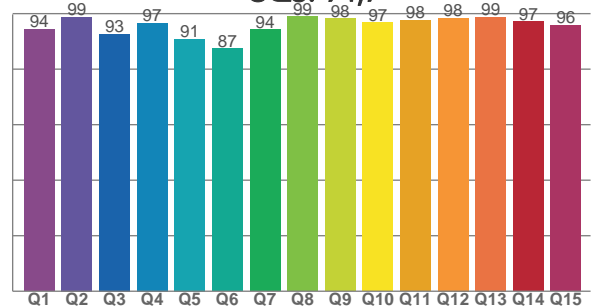
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,9	97,0	93,1	94,2	90,8	88,3	88,9	91,5	93,3	92,9	91,9	88,9	92,5	92,8	90,5	88,8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
94,4	98,8	92,7	96,7	90,9	87,4	94,3	98,9	98,2	96,8	97,6	98,4	98,8	97,2	95,8

CQS: 94,7



## COLOR PARAMETERS

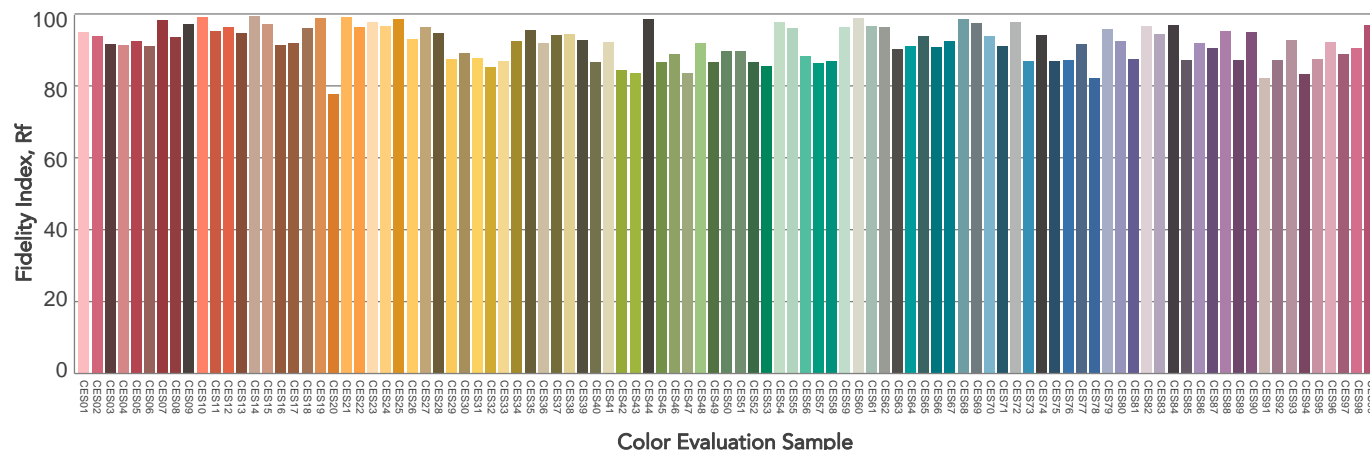
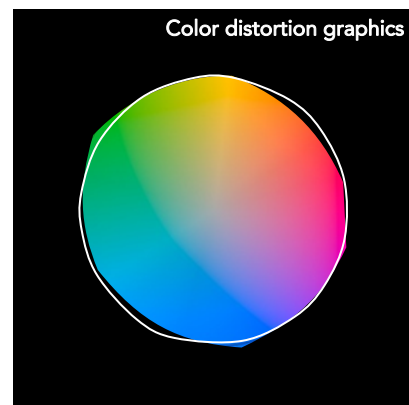
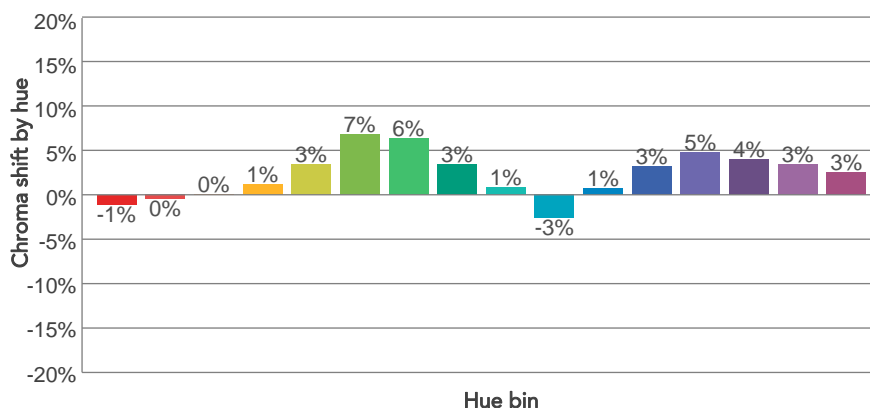
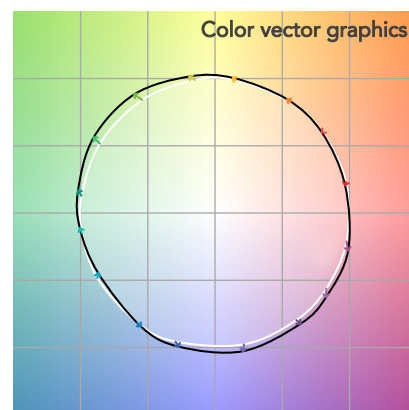
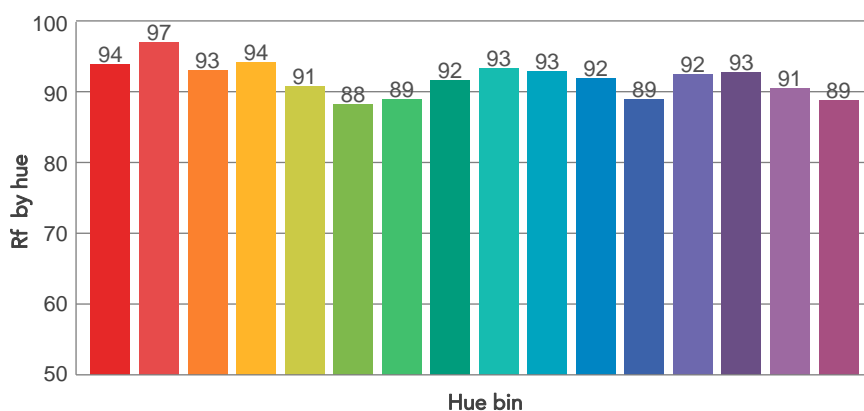
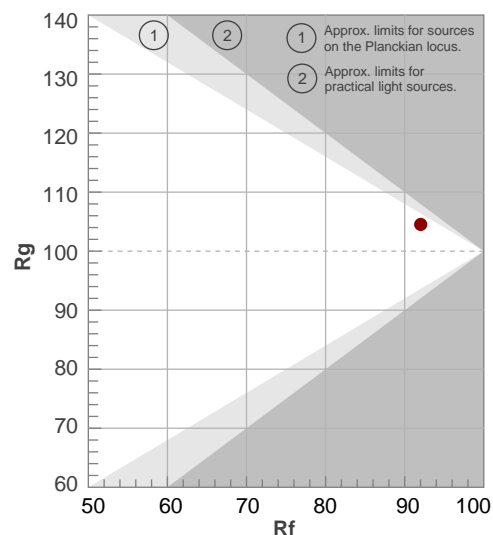
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
4059 K	95,0	89,3	92,0	104,5	94,7	82	0,379	0,377	0,0009

# TM30 DETAILS

**Rf 92,0**  
Fidelity index Rf

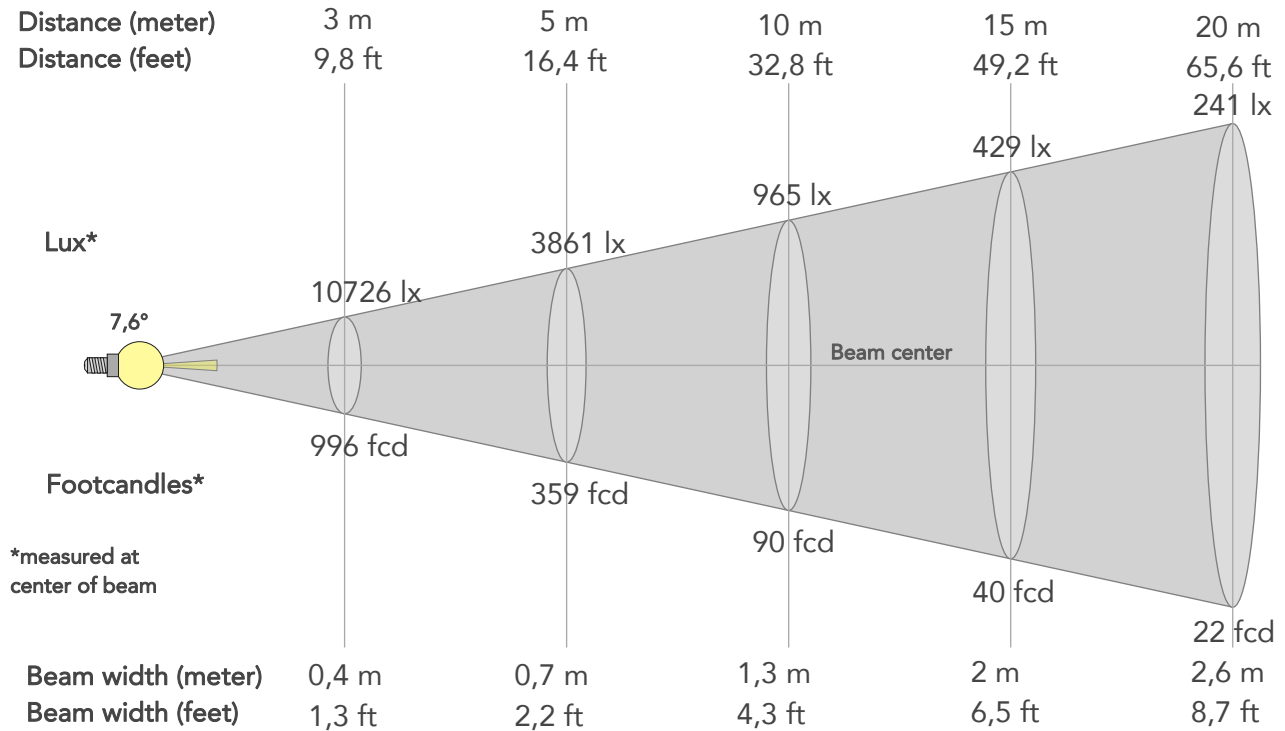
**Rg 104,5**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	97	0%	0%
3	93	0%	3%
4	94	1%	2%
5	91	3%	4%
6	88	7%	3%
7	89	6%	-1%
8	92	3%	-3%
9	93	1%	-4%
10	93	-3%	-3%
11	92	1%	4%
12	89	3%	3%
13	92	5%	-2%
14	93	4%	1%
15	91	3%	-5%
16	89	3%	-6%



## BEAM DETAILS

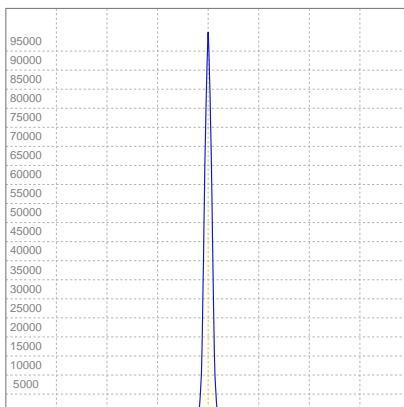
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,6°	13,1°	15,4°	98,4%	98,1%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	96533lx	24133lx	10726lx	6033lx	3861lx	1716lx	965lx	429lx	241lx	154lx	107lx	60lx	39lx
Footcand.	8968fcd	2242fcd	996fcd	561fcd	359fcd	159fcd	90fcd	40fcd	22fcd	14fcd	10fcd	6fcd	4fcd
Beam wid.	0,1m	0,3m	0,4m	0,5m	0,7m	1m	1,3m	2m	2,6m	3,3m	4m	5,3m	6,6m
Beam wid.	0,4ft	0,9ft	1,3ft	1,7ft	2,2ft	3,3ft	4,3ft	6,5ft	8,7ft	10,9ft	13ft	17,4ft	21,7ft

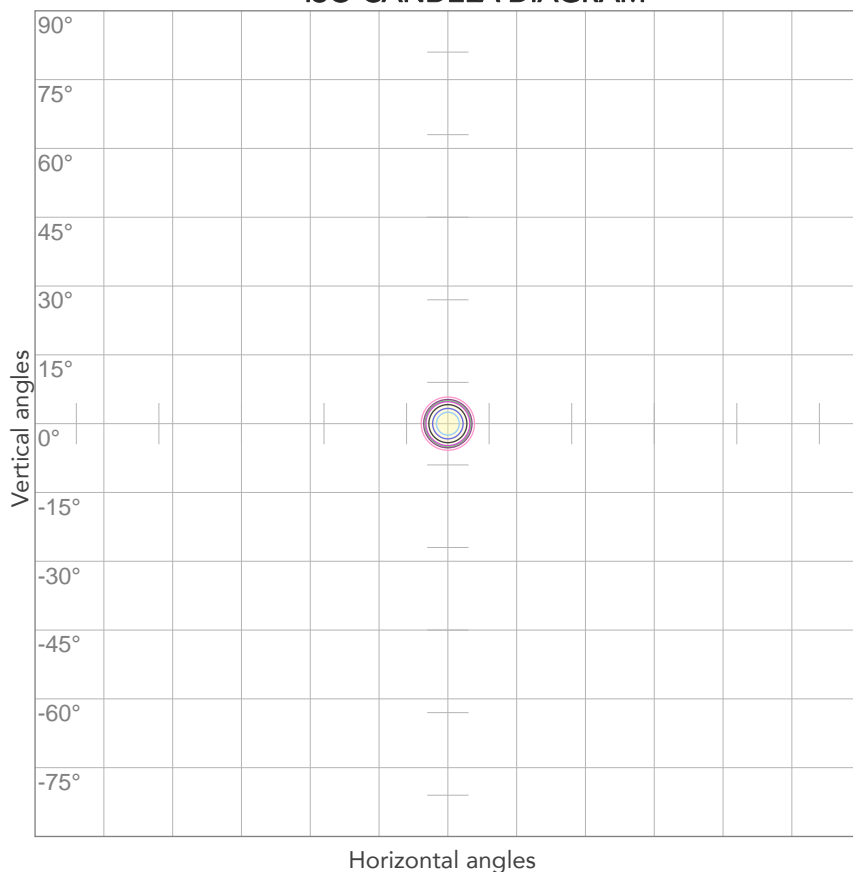
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,653A	131,7W	13lm/W

## ISO CANDELA DIAGRAM



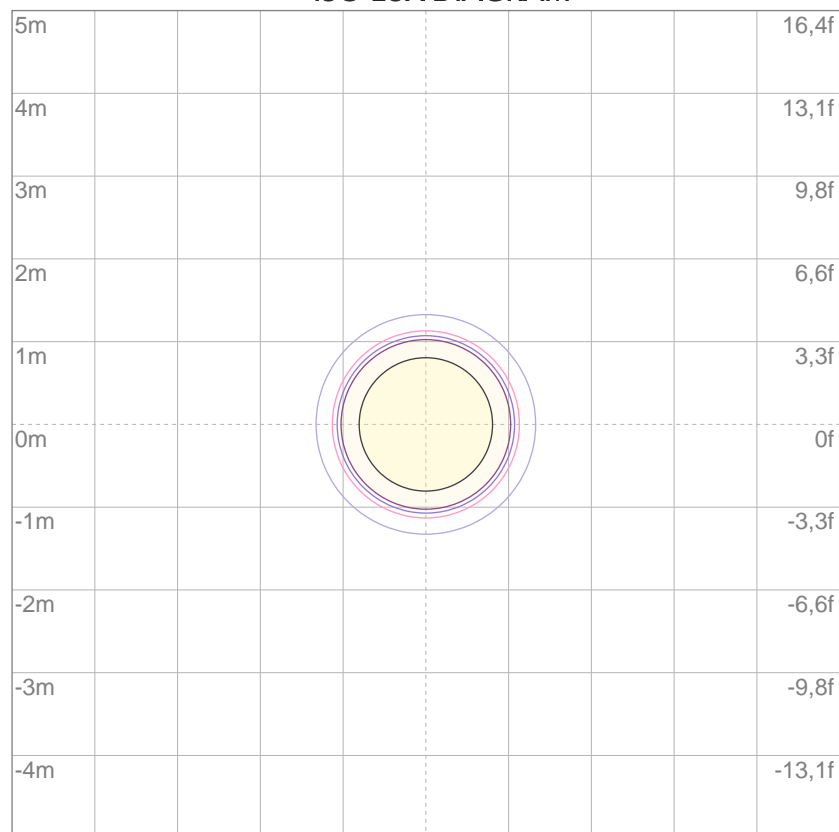
10%	9653 cd
20%	19307 cd
30%	28960 cd
40%	38613 cd
50%	48266 cd
60%	57920 cd
70%	67573 cd
80%	77226 cd

### Conditions:

Number of c-planes: 2

Candela at center: 96533 cd

## ISO LUX DIAGRAM



3%	29,0 lx
5%	48,3 lx
10%	96,5 lx
30%	290 lx
50%	483 lx

### Conditions:

Number of c-planes: 2

Lux at center: 965 lx

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



Total lumen output:

1816 lm

Peak candela output:

7986 cd

Light quality:

CRI: 93,2

Color temperature:

5370 K

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Max Zoom

Target:

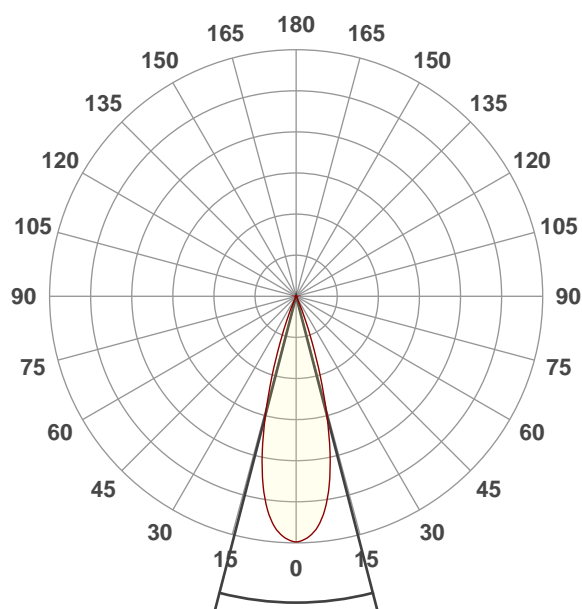
5600K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:34:30

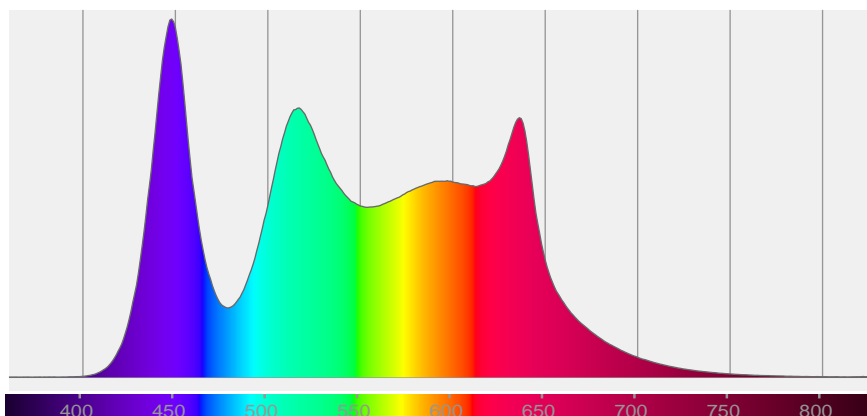


Beam angle 50%: 29°

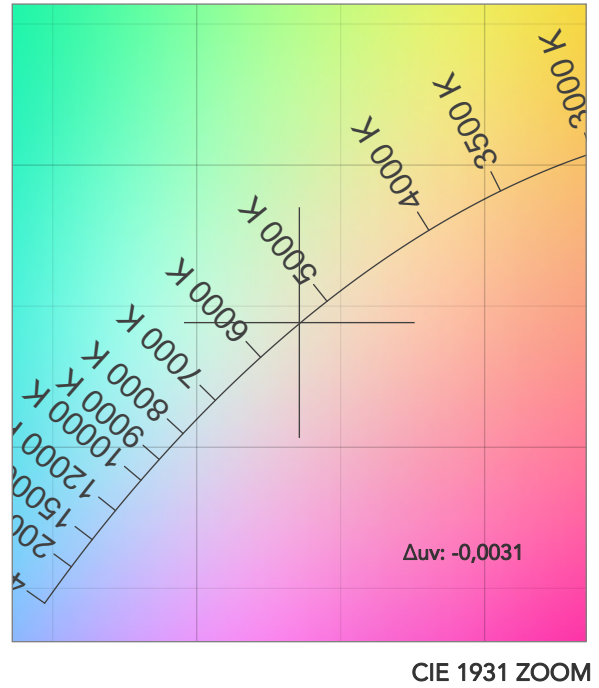
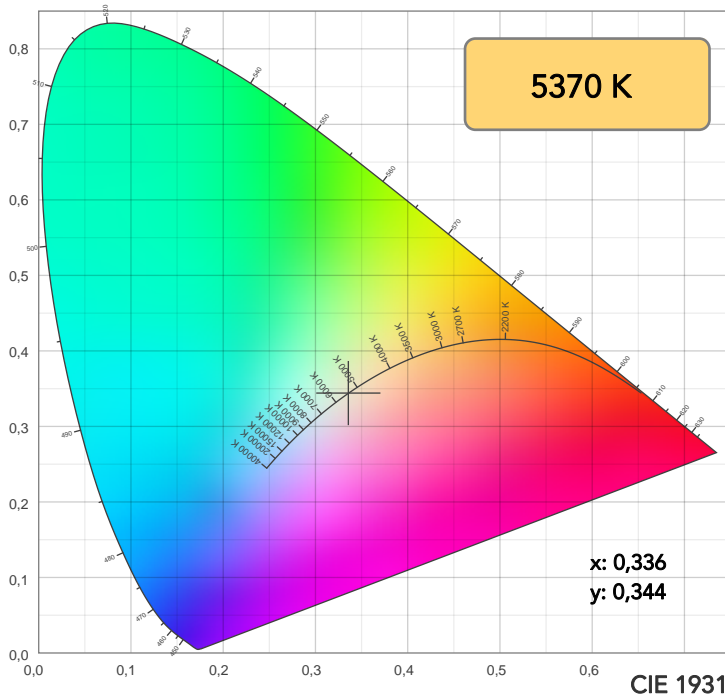
Field angle 10%: 42,6°

Cut off angle 2.5%: 49,3°

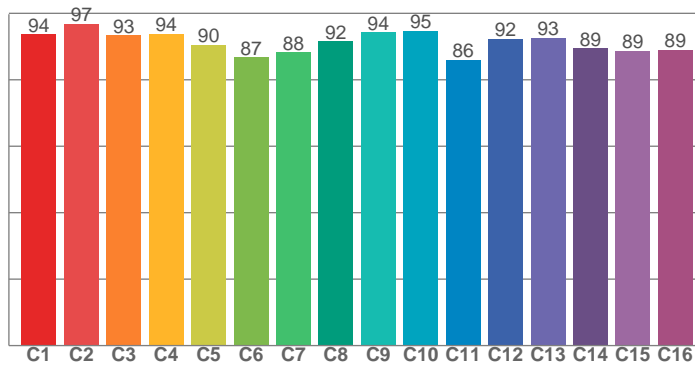
## Spectra



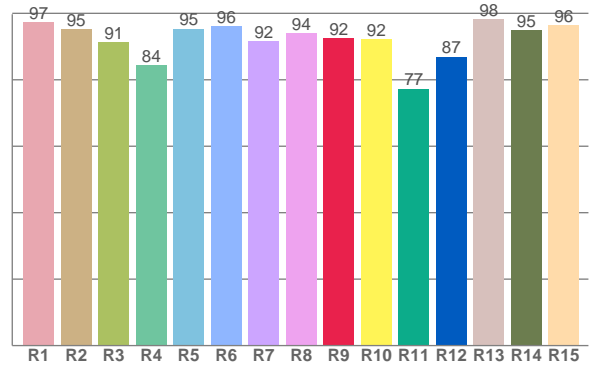




TM30: 91,3



CRI: 93,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,4	95,3	91,3	84,3	95,4	96,0	91,6	94,1	92,5	92,2	77,3	86,9	98,3	94,9	96,5

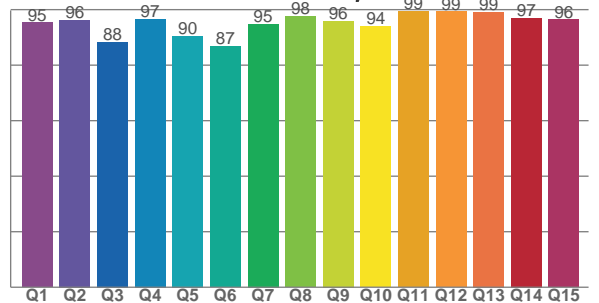
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	96,8	93,4	93,8	90,5	86,7	88,3	91,5	94,3	94,7	85,9	92,3	92,6	89,5	88,8	89,0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,3	96,3	88,4	96,7	90,5	86,8	94,9	97,6	95,9	94,0	99,4	99,3	99,1	97,0	96,4

CQS: 93,9



## COLOR PARAMETERS

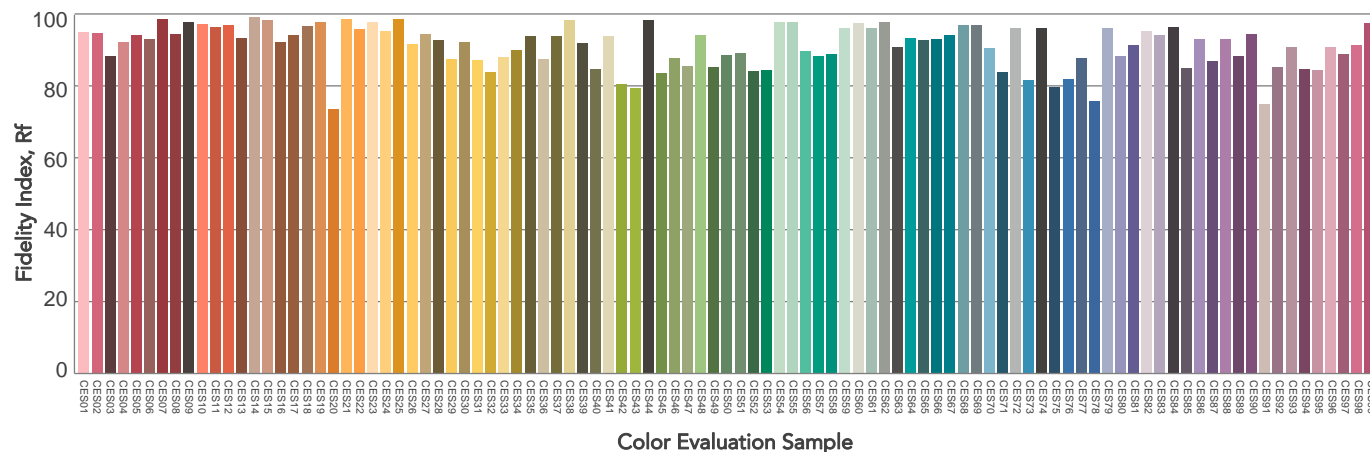
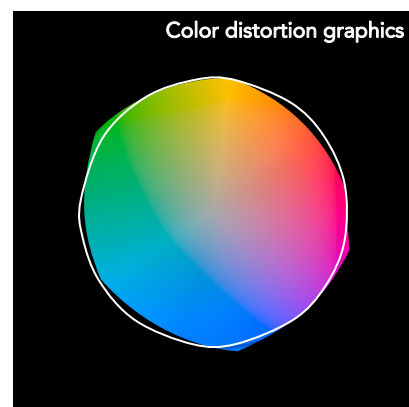
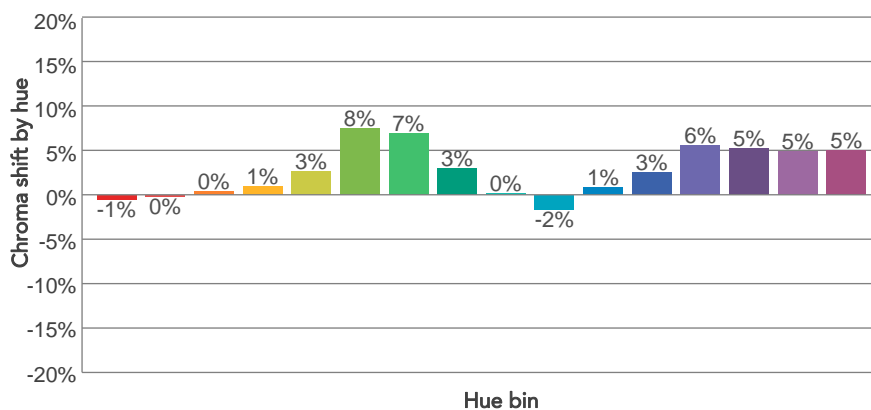
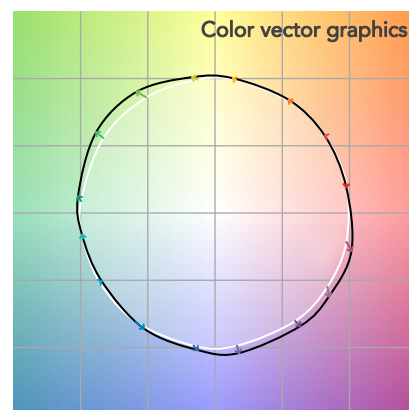
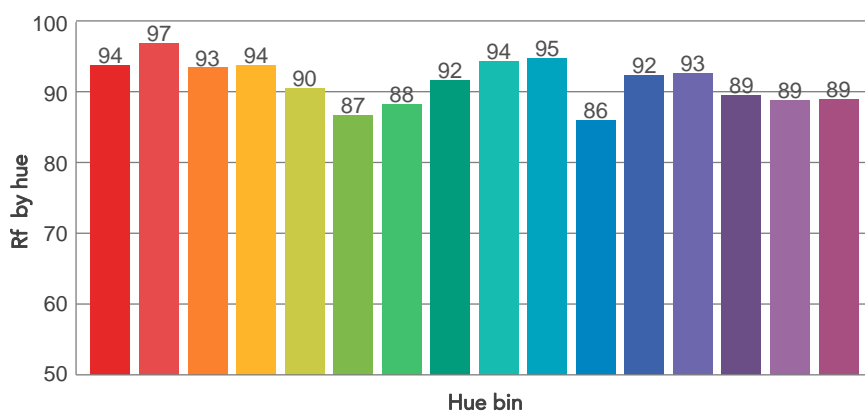
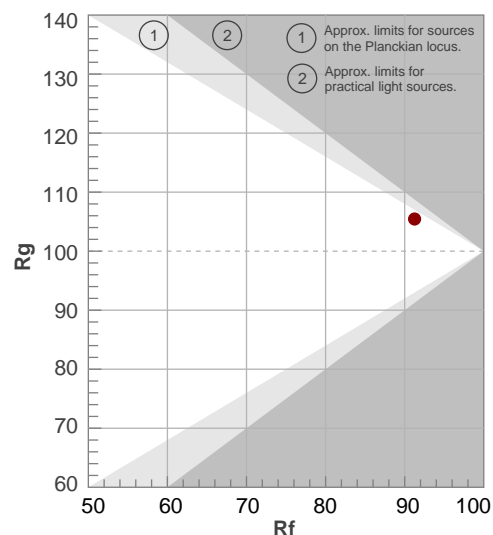
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5370 K	93,2	92,5	91,3	105,4	93,9	84	0,336	0,344	-0,0031

# TM30 DETAILS

**Rf 91,3**  
Fidelity index Rf

**Rg 105,4**  
Gammut index

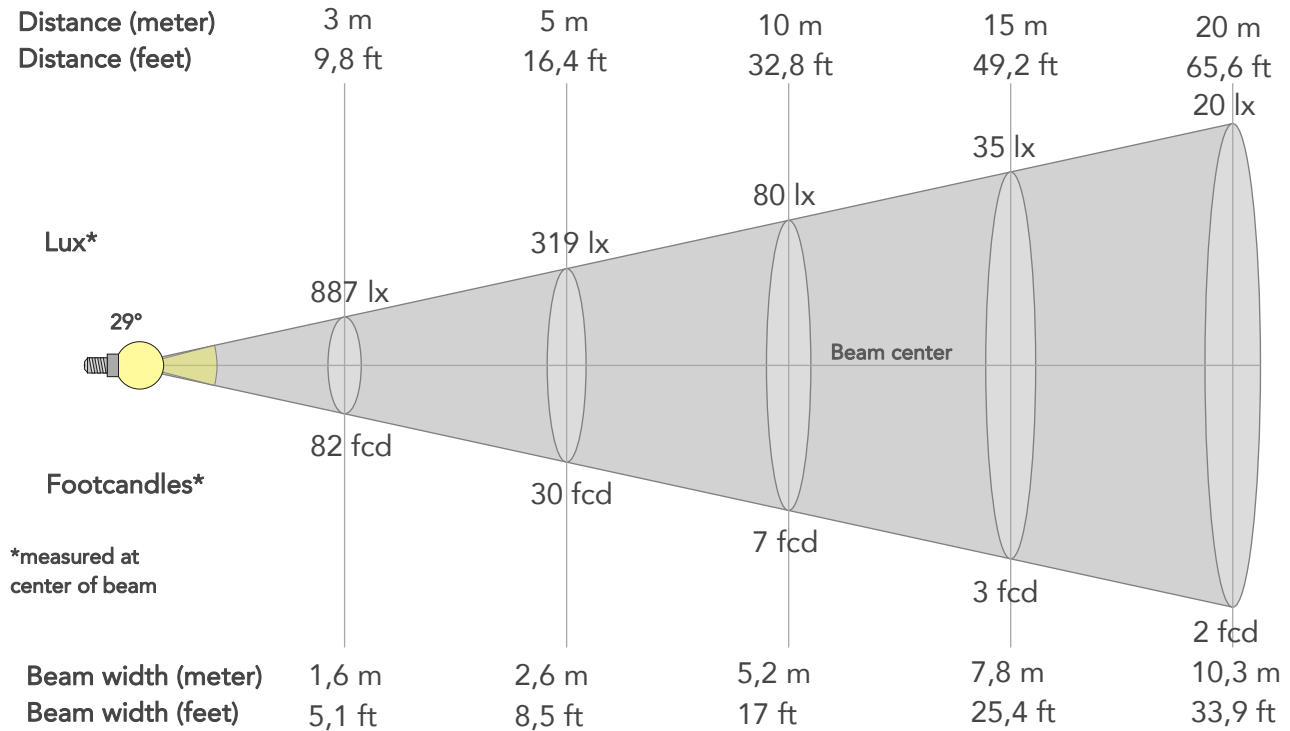
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	97	0%	0%
3	93	0%	3%
4	94	1%	3%
5	90	3%	3%
6	87	8%	4%
7	88	7%	0%
8	92	3%	-3%
9	94	0%	-3%
10	95	-2%	0%
11	86	1%	8%
12	92	3%	4%
13	93	6%	0%
14	89	5%	1%
15	89	5%	-5%
16	89	5%	-6%



## BEAM DETAILS



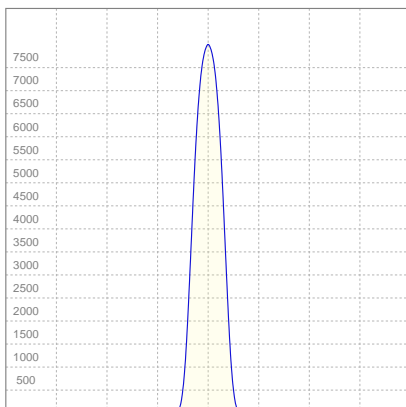
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29°	42,6°	49,3°	98,6%	98,4%



### 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	7986lx	1996lx	887lx	499lx	319lx	142lx	80lx	35lx	20lx	13lx	9lx	5lx	3lx
Footcand.	742fcd	185fcd	82fcd	46fcd	30fcd	13fcd	7fcd	3fcd	2fcd	1fcd	1fcd	0fcd	0fcd
Beam wid.	0,5m	1m	1,6m	2,1m	2,6m	3,9m	5,2m	7,8m	10,3m	12,9m	15,5m	20,7m	25,9m
Beam wid.	1,7ft	3,4ft	5,1ft	6,8ft	8,5ft	12,7ft	17ft	25,4ft	33,9ft	42,4ft	50,9ft	67,9ft	84,8ft

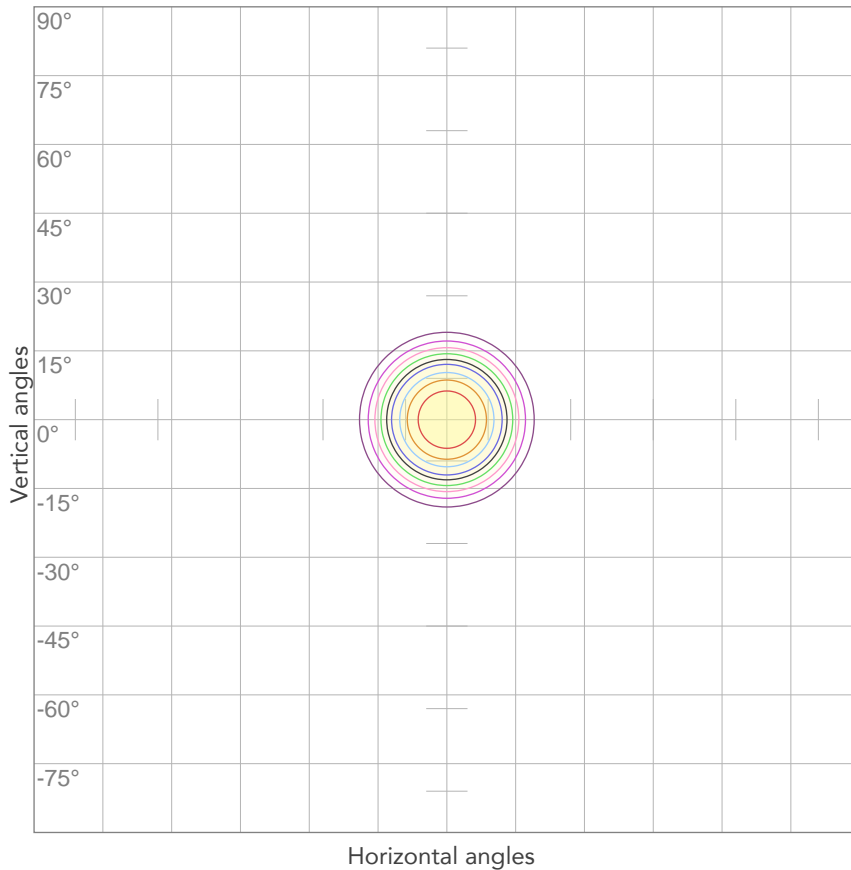
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,692A	139,8W	13lm/W

## ISO CANDELA DIAGRAM



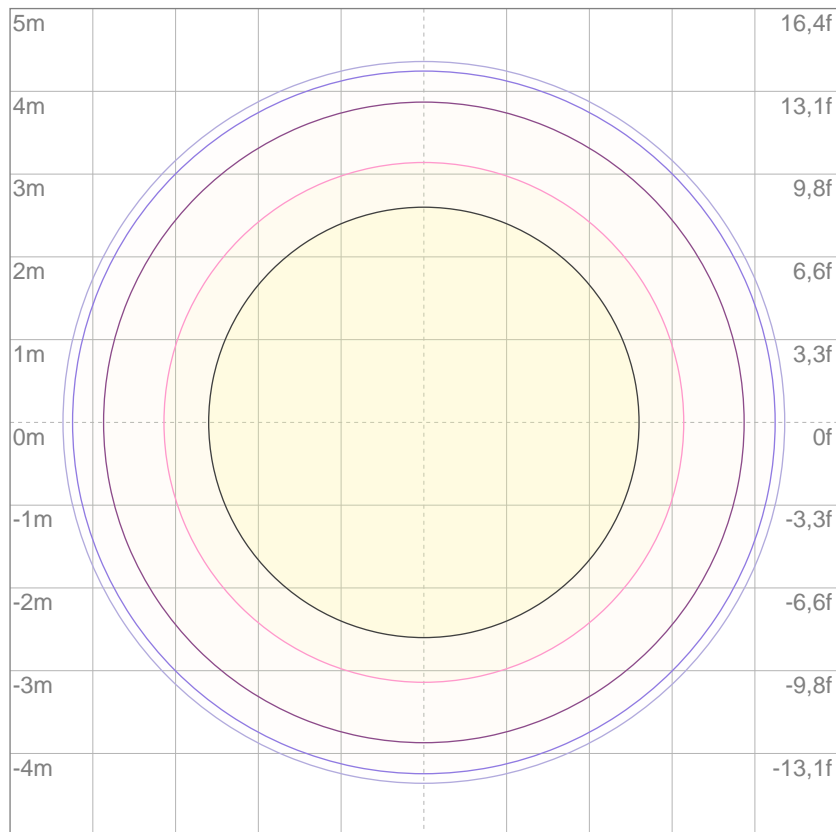
10%	799 cd
20%	1597 cd
30%	2396 cd
40%	3194 cd
50%	3993 cd
60%	4792 cd
70%	5590 cd
80%	6389 cd

### Conditions:

Number of c-planes: 2

Candela at center: 7986 cd

## ISO LUX DIAGRAM



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

### Conditions:

Number of c-planes: 2

Lux at center: 79,9 lx

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



Total lumen output:

1813 lm

Peak candela output:

28160 cd

Light quality:

CRI: 93,1

Color temperature:

5405 K

## PRODUCT NAME:

Pixiewash XB

## MEASUREMENT CONDITIONS:

Beam angle:

Med Zoom

Target:

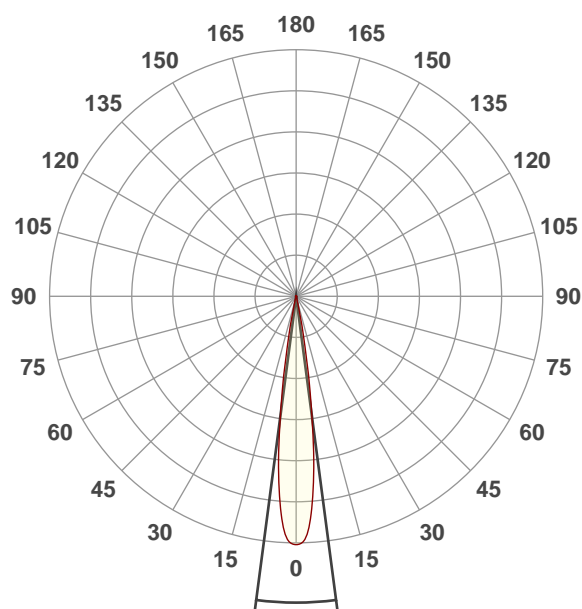
5600K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:22:42

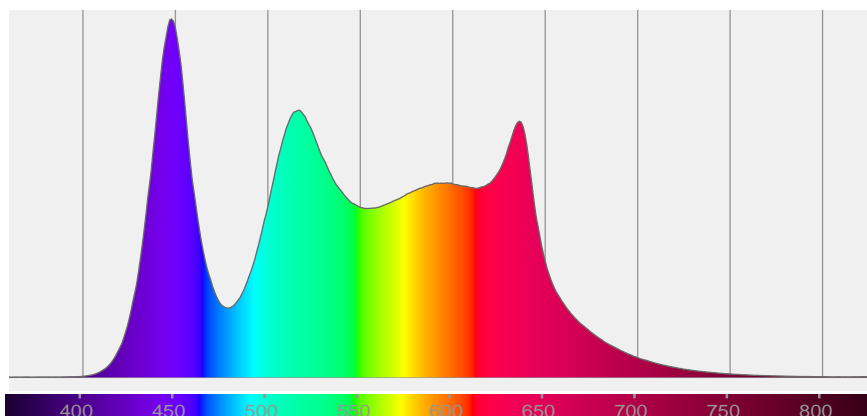


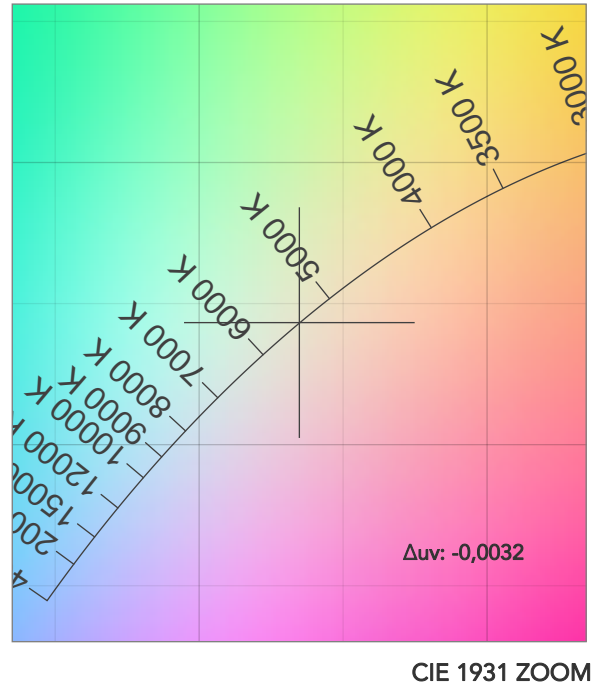
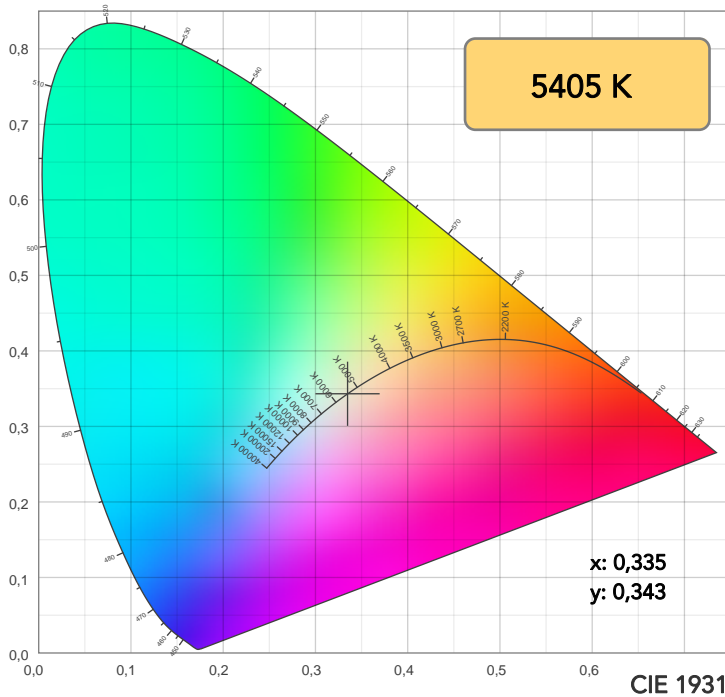
Beam angle 50%: 15°

Field angle 10%: 23,3°

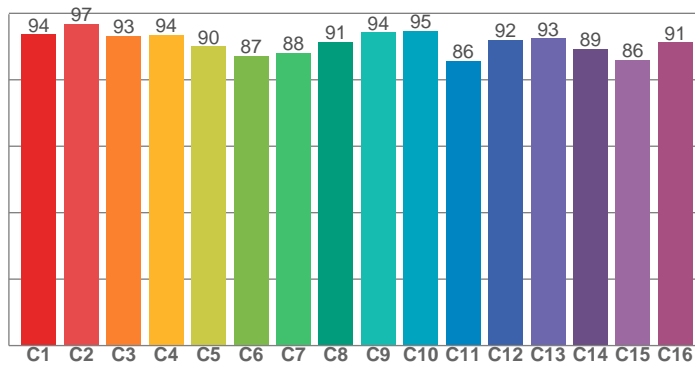
Cut off angle 2.5%: 27,3°

## Spectra

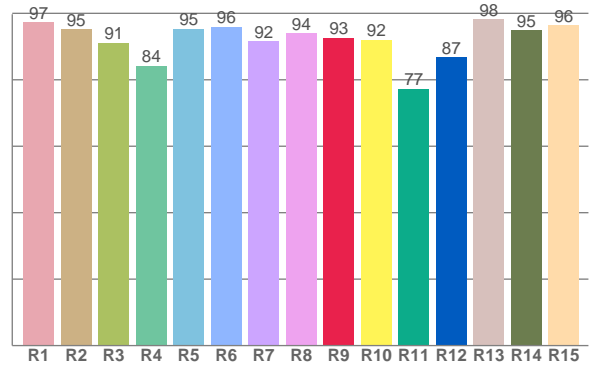




TM30: 91,1



CRI: 93,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,3	95,2	91,2	84,2	95,4	96,0	91,5	94,0	92,7	92,1	77,3	86,8	98,2	94,8	96,5

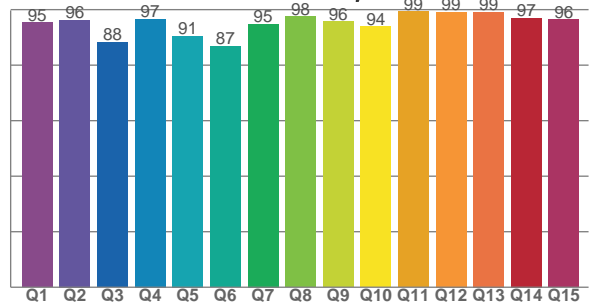
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,7	96,8	93,2	93,5	90,1	87,1	88,1	91,5	94,3	94,7	85,8	92,1	92,5	89,3	86,0	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,4	96,2	88,3	96,6	90,6	86,8	94,9	97,6	95,7	93,9	99,4	99,2	99,1	97,0	96,4

CQS: 93,9



## COLOR PARAMETERS

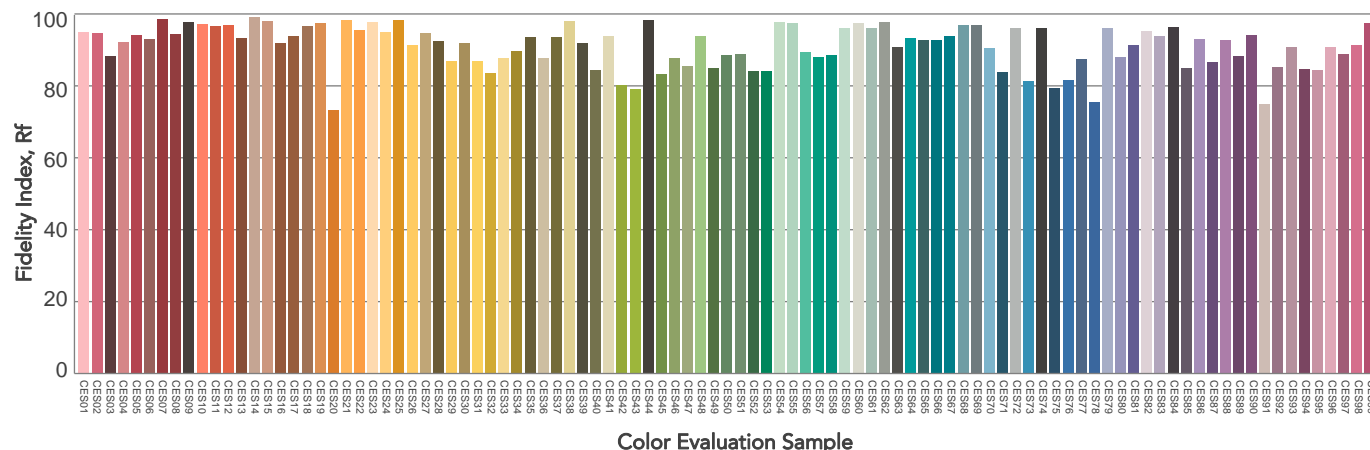
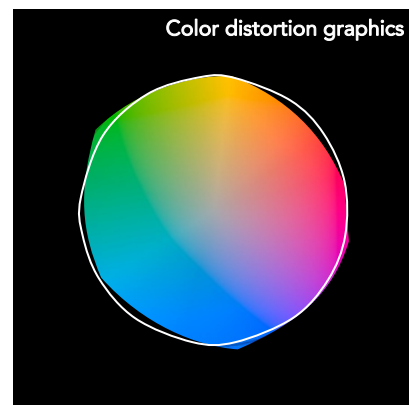
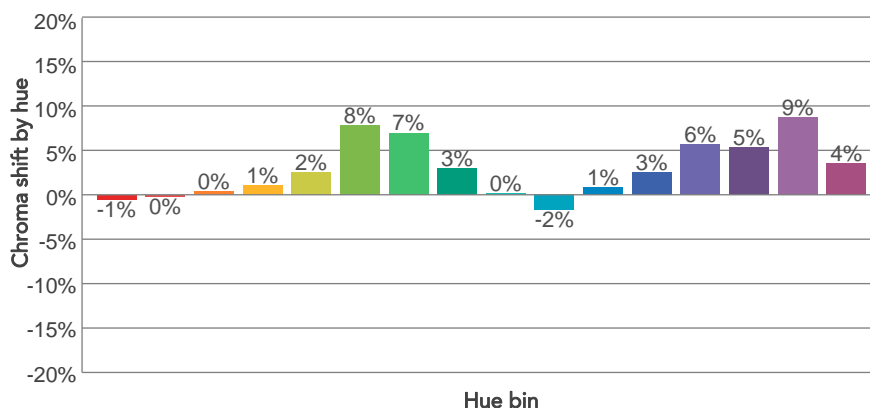
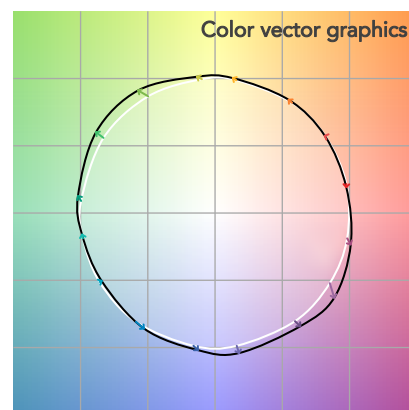
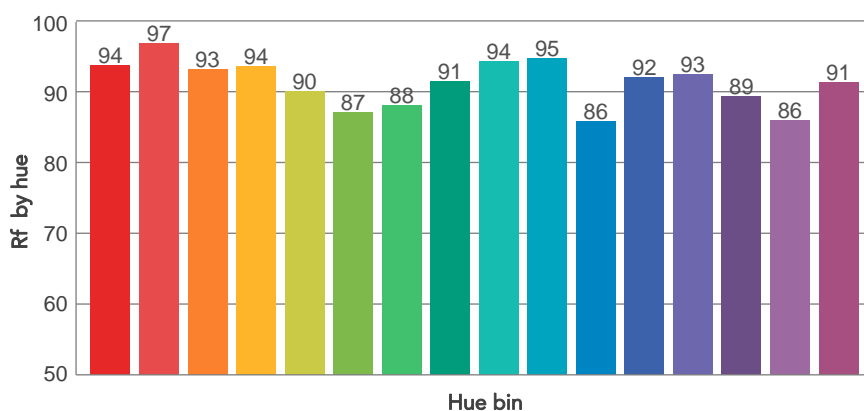
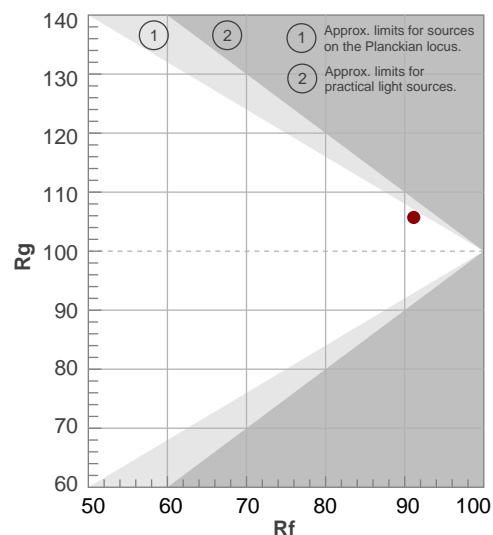
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	$\Delta uv$
5405 K	93,1	92,7	91,1	105,7	93,9	84	0,335	0,343	-0,0032

# TM30 DETAILS

**Rf 91,1**  
Fidelity index Rf

**Rg 105,7**  
Gammut index

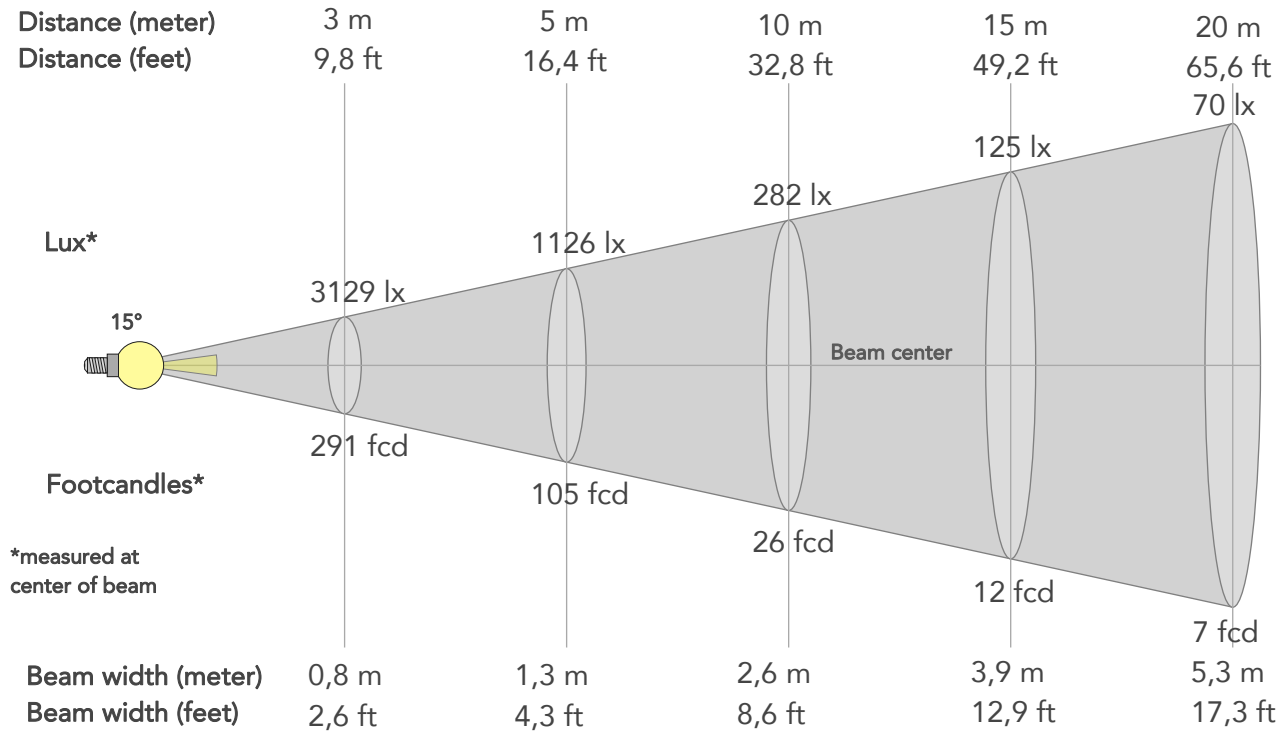
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	97	0%	0%
3	93	0%	3%
4	94	1%	3%
5	90	2%	3%
6	87	8%	4%
7	88	7%	0%
8	91	3%	-3%
9	94	0%	-3%
10	95	-2%	0%
11	86	1%	8%
12	92	3%	4%
13	93	6%	1%
14	89	5%	1%
15	86	9%	-7%
16	91	4%	-4%



## BEAM DETAILS



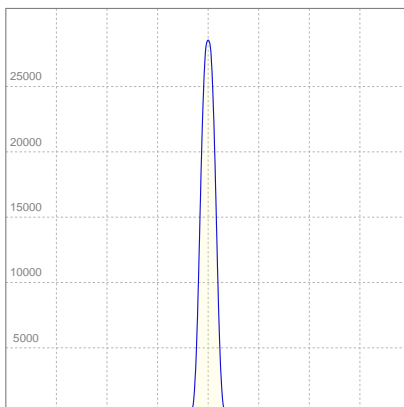
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
15°	23,3°	27,3°	98,4%	98,3%



### BEAM INTENSITIES AND WIDTHS

Distance	1m	2m	3m	4m	5m	7,5m	10m	15m	20m	25m	30m	40m	50m
Distance	3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	24,6ft	32,8ft	49,2ft	65,6ft	82ft	98,4ft	131,2ft	164ft
Lux	28160lx	7040lx	3129lx	1760lx	1126lx	501lx	282lx	125lx	70lx	45lx	31lx	18lx	11lx
Footcand.	2616fcd	654fcd	291fcd	164fcd	105fcd	47fcd	26fcd	12fcd	7fcd	4fcd	3fcd	2fcd	1fcd
Beam wid.	0,3m	0,5m	0,8m	1,1m	1,3m	2m	2,6m	3,9m	5,3m	6,6m	7,9m	10,5m	13,1m
Beam wid.	0,9ft	1,7ft	2,6ft	3,4ft	4,3ft	6,5ft	8,6ft	12,9ft	17,3ft	21,6ft	25,9ft	34,5ft	43,1ft

### LINEAR DISTRIBUTION DIAGRAM

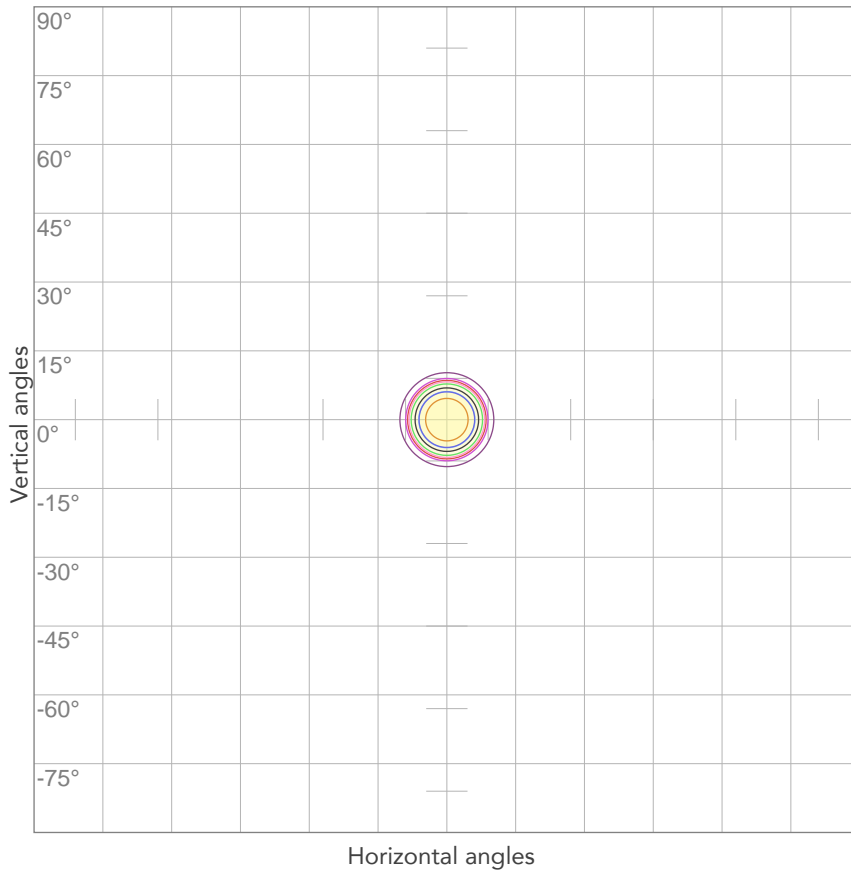


### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
228V	0,704A	142,7W	13lm/W



## ISO CANDELA DIAGRAM



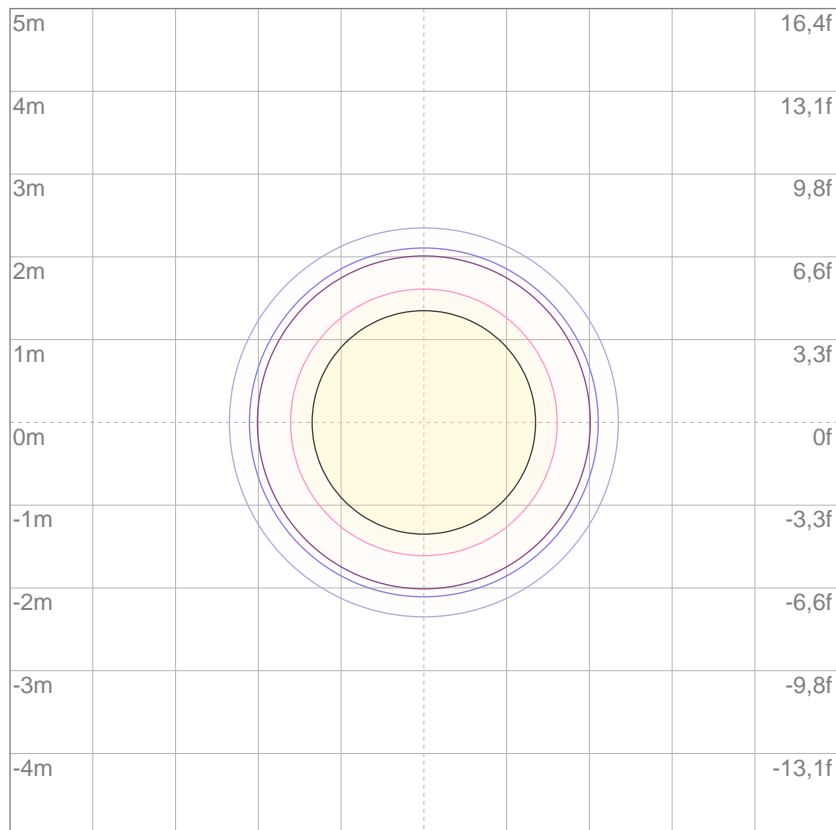
10%	2816 cd
20%	5632 cd
30%	8448 cd
40%	11264 cd
50%	14080 cd
60%	16896 cd
70%	19712 cd
80%	22528 cd

### Conditions:

Number of c-planes: 2

Candela at center: 28160 cd

## ISO LUX DIAGRAM



3%	8,45 lx
5%	14,1 lx
10%	28,2 lx
30%	84,5 lx
50%	141 lx

### Conditions:

Number of c-planes: 2

Lux at center: 282 lx

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



Total lumen output:

1782 lm

Peak candela output:

106433 cd

Light quality:

CRI: 93,1

Color temperature:

5401 K

## PRODUCT NAME:

Pixiewash XB

## MEASURAMENT CONDITIONS:

Beam angle:

Min Zoom

Target:

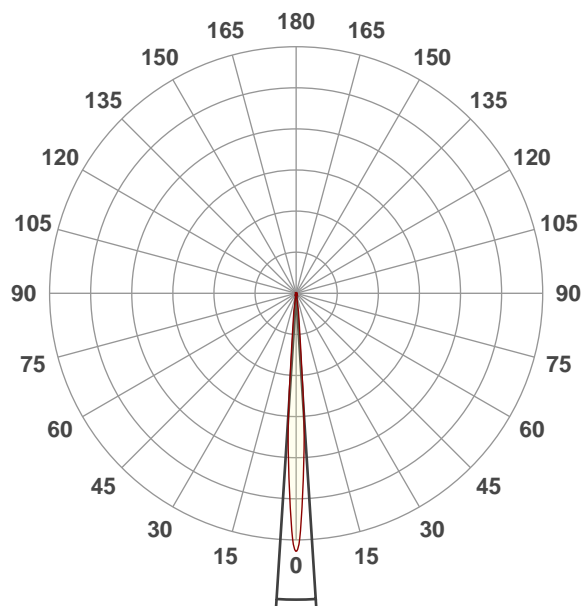
5600K

Operator:

Paolo Carvone

Date and time:

12/03/2020 11:25:02

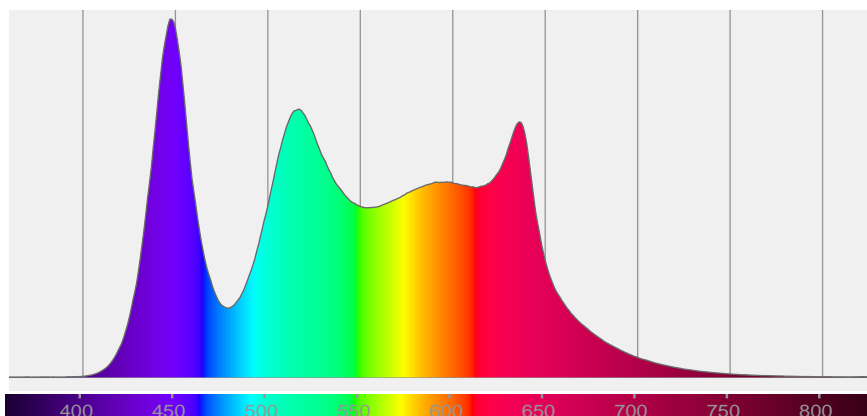


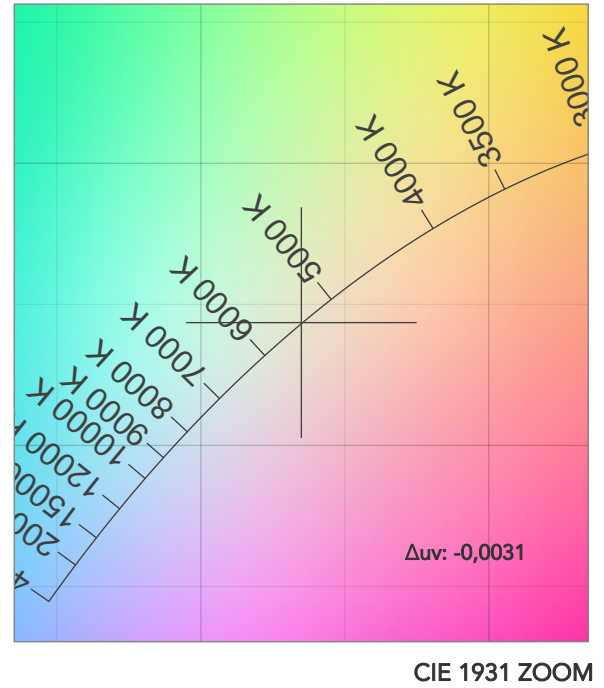
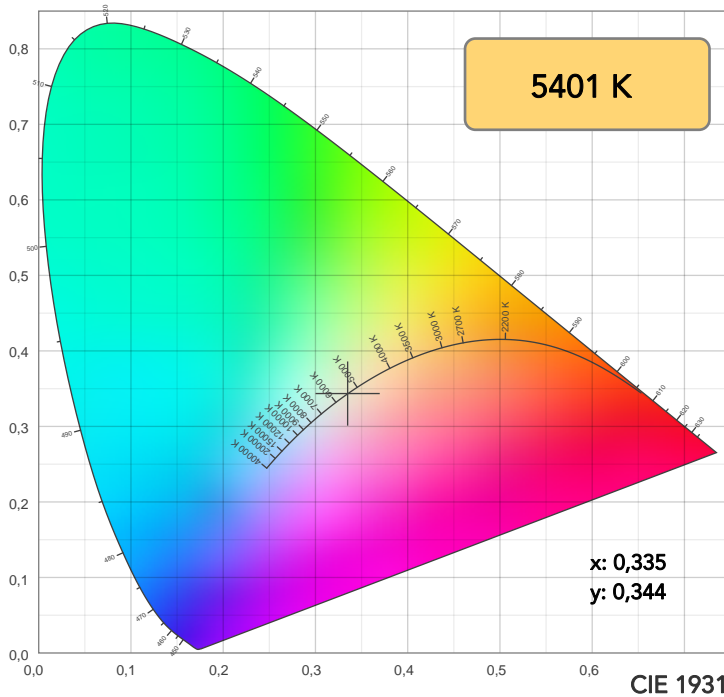
Beam angle 50%: 7,3°

Field angle 10%: 12,6°

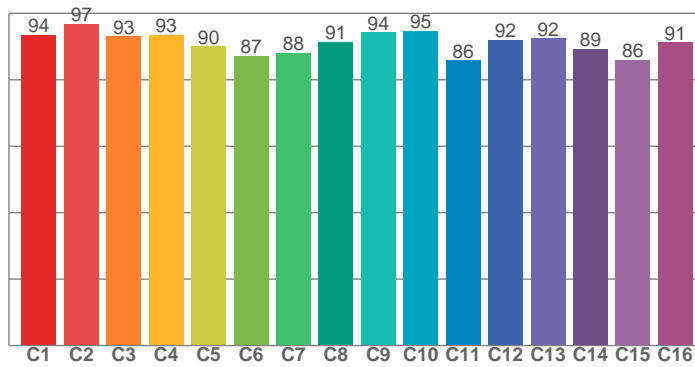
Cut off angle 2.5%: 15,5°

## Spectra

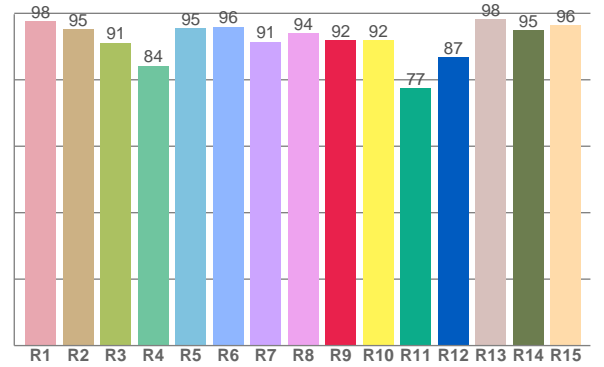




TM30: 91,1



CRI: 93,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,5	95,1	91,2	84,3	95,4	95,9	91,5	94,0	92,0	91,9	77,4	86,8	98,3	94,8	96,4

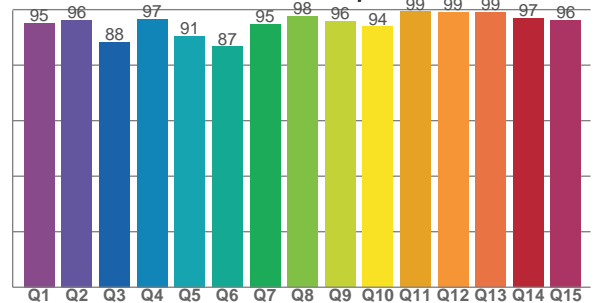
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,6	96,8	93,1	93,5	90,0	87,1	88,1	91,4	94,3	94,7	85,8	92,0	92,5	89,3	86,0	91,3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95,2	96,2	88,3	96,6	90,5	86,7	94,8	97,6	95,8	93,9	99,3	99,1	99,1	96,9	96,3

CQS: 93,9



## COLOR PARAMETERS

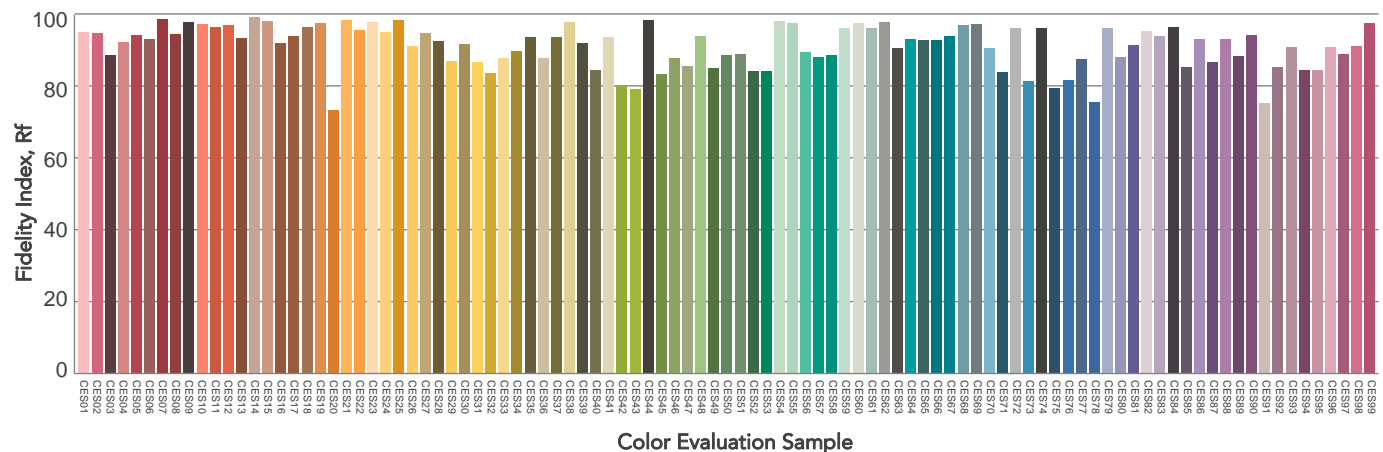
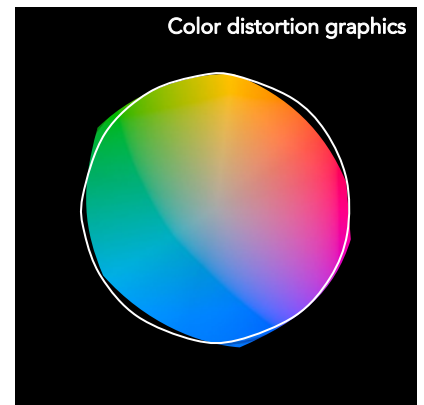
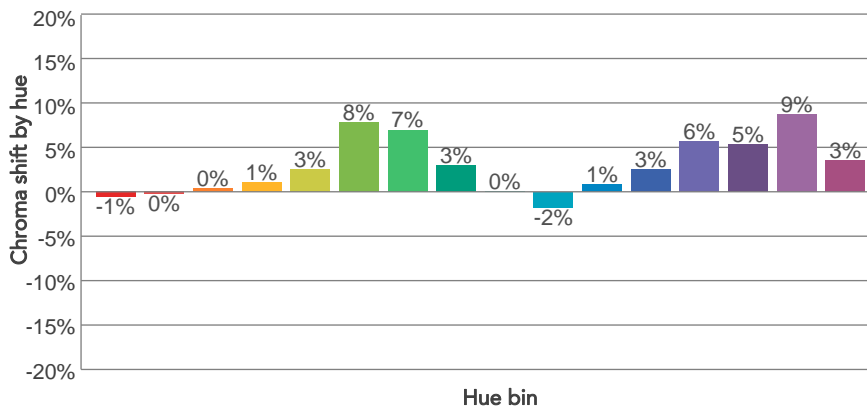
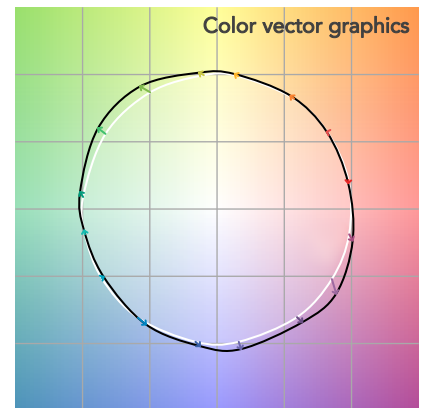
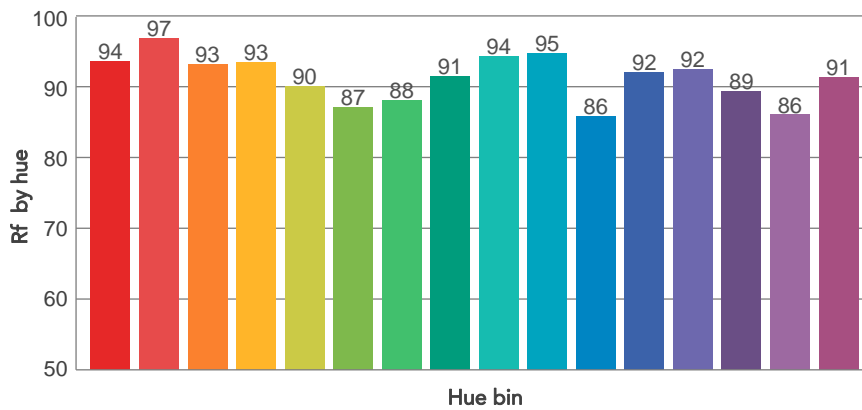
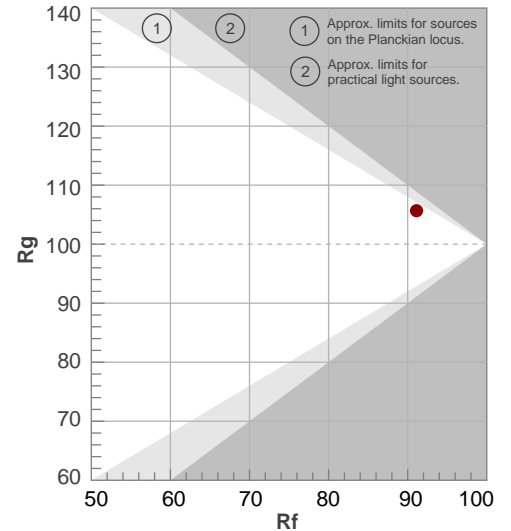
Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Television lighting index	Color coordinate cie 1931	Color coordinate cie 1931	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	TLCI	x	y	Δuv
5401 K	93,1	92,0	91,1	105,7	93,9	84	0,335	0,344	-0,0031

# TM30 DETAILS

**Rf 91,1**  
Fidelity index Rf

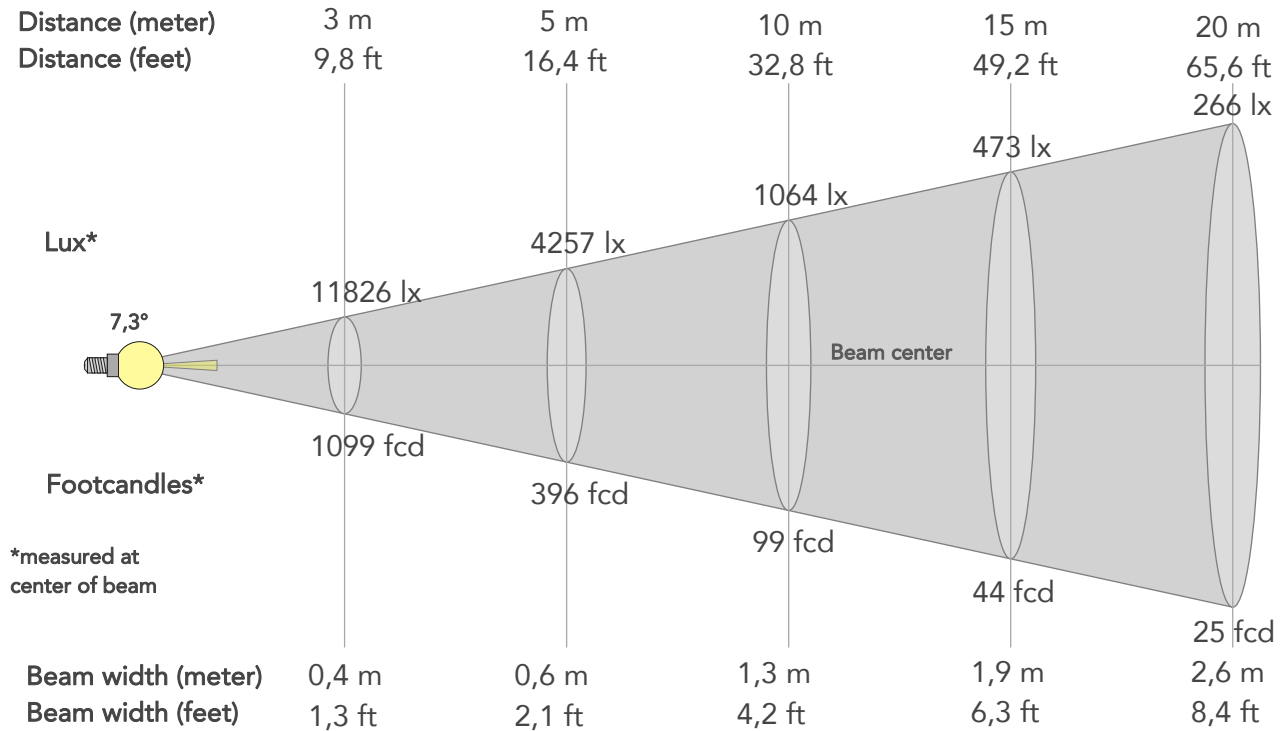
**Rg 105,7**  
Gammut index

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	97	0%	0%
3	93	0%	3%
4	93	1%	3%
5	90	3%	3%
6	87	8%	4%
7	88	7%	0%
8	91	3%	-3%
9	94	0%	-3%
10	95	-2%	0%
11	86	1%	8%
12	92	3%	4%
13	92	6%	1%
14	89	5%	1%
15	86	9%	-7%
16	91	3%	-4%



## BEAM DETAILS

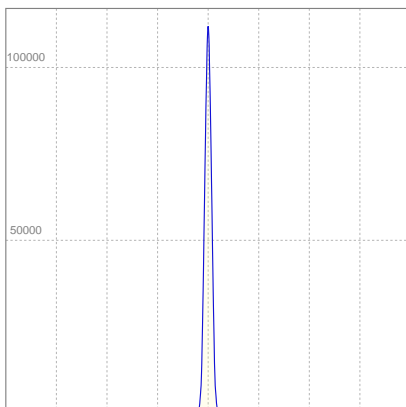
Beam angle 50%	Field angle 10%	Cut off angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
7,3°	12,6°	15,5°	99,0%	98,9%



### 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	106433lx	26608lx	11826lx	6652lx	4257lx	1892lx	1064lx	473lx	266lx	170lx	118lx	67lx	43lx
Footcand.	9888fcd	2472fcd	1099fcd	618fcd	396fcd	176fcd	99fcd	44fcd	25fcd	16fcd	11fcd	6fcd	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	3,2ft	4,2ft	6,3ft	8,4ft	10,5ft	12,6ft	16,8ft	21ft

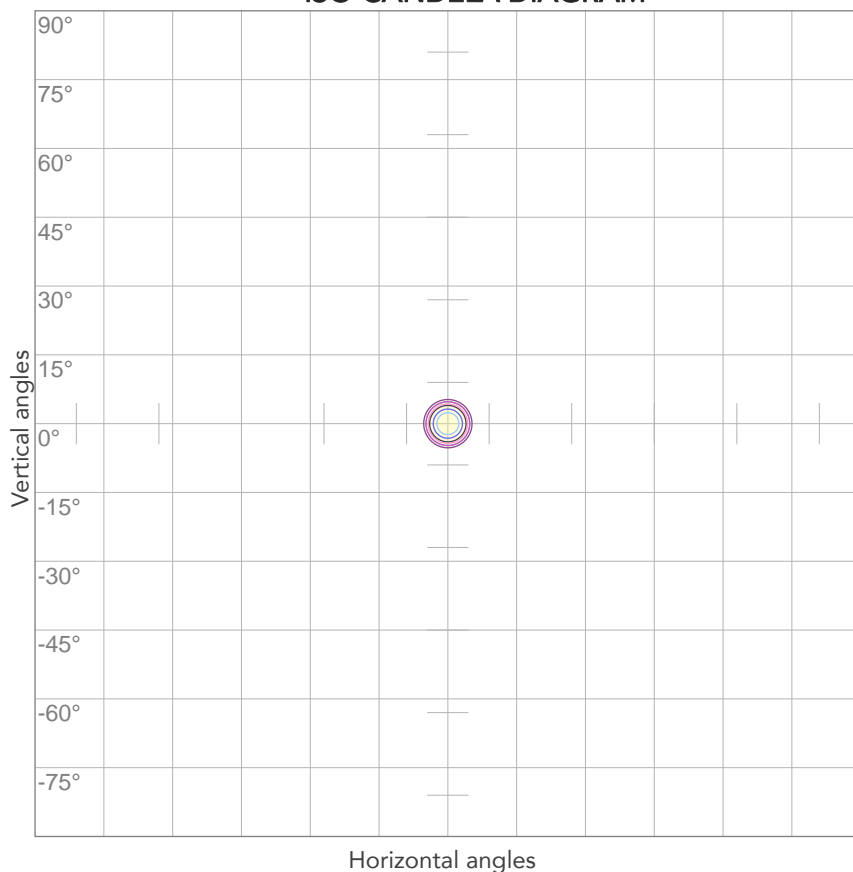
### LINEAR DISTRIBUTION DIAGRAM



### ELECTRICAL SPECIFICATIONS

Input voltage	Input current	Input power	Effeciency
227V	0,691A	140W	13lm/W

## ISO CANDELA DIAGRAM



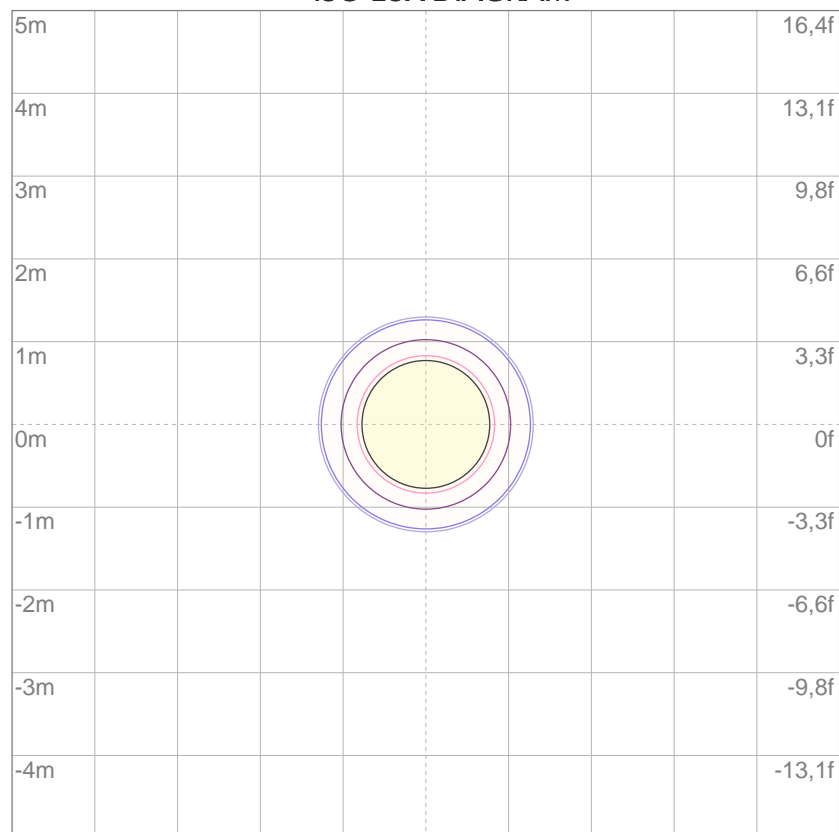
10%	10643 cd
20%	21287 cd
30%	31930 cd
40%	42573 cd
50%	53217 cd
60%	63860 cd
70%	74503 cd
80%	85147 cd

### Conditions:

Number of c-planes: 2

Candela at center: 106433 cd

## ISO LUX DIAGRAM



3%	31,9 lx
5%	53,2 lx
10%	106 lx
30%	319 lx
50%	532 lx

### Conditions:

Number of c-planes: 2

Lux at center: 1064 lx

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