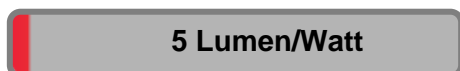


#### Light efficiency:



#### Light quality:



#### Color temperature:

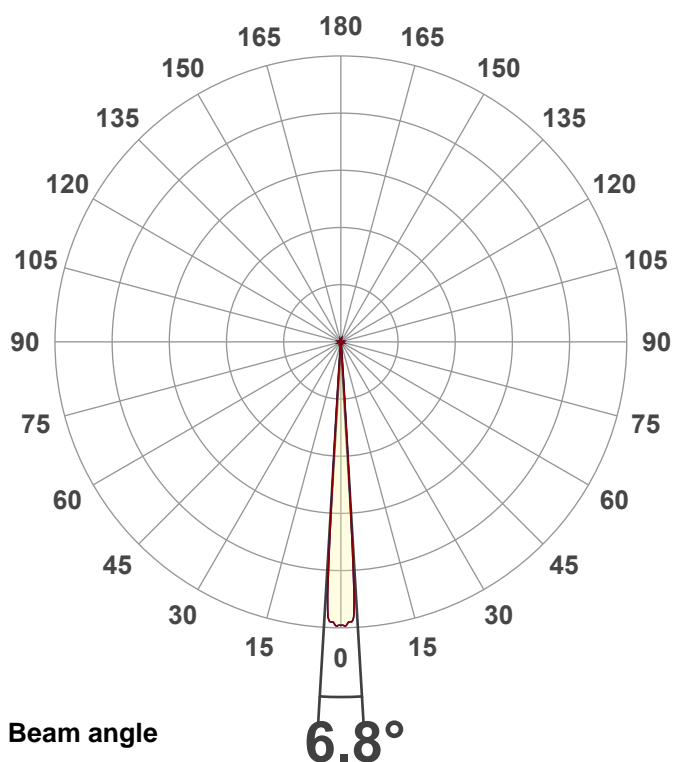


**Output:** 906 lm  
**Peak:** 71039 cd  
**Power:** 176.4 W  
**PF:** 1.0



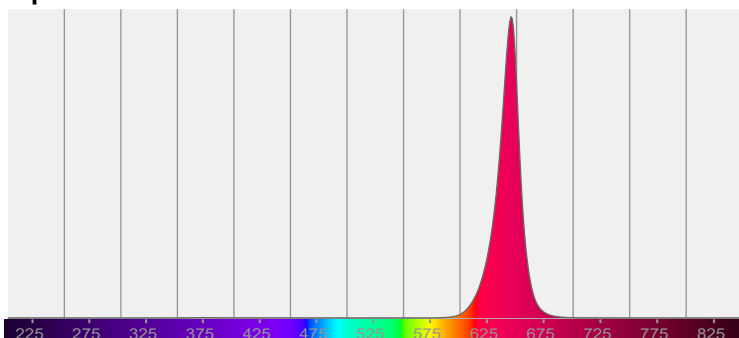
**Product name:**  
**Vizi Pix Z19 (Zoom In, Red)**  
**Item number:**

**Date and time:**  
**4/30/2026 12:53:47 PM**

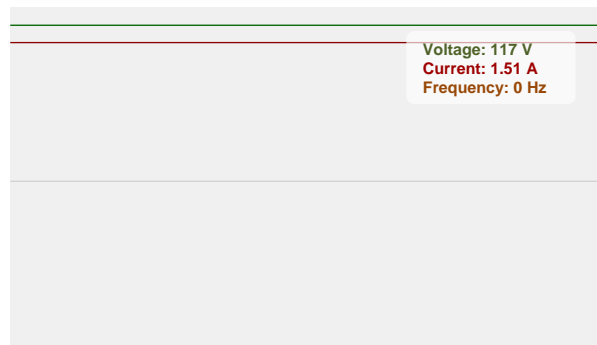


**CIE 1931**  
**x: 0.710**  
**y: 0.289**

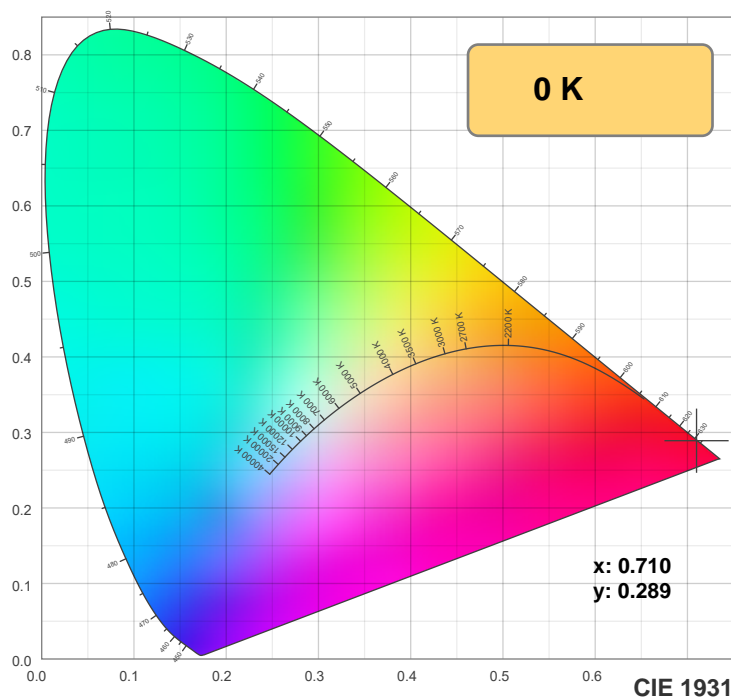
#### Spectra



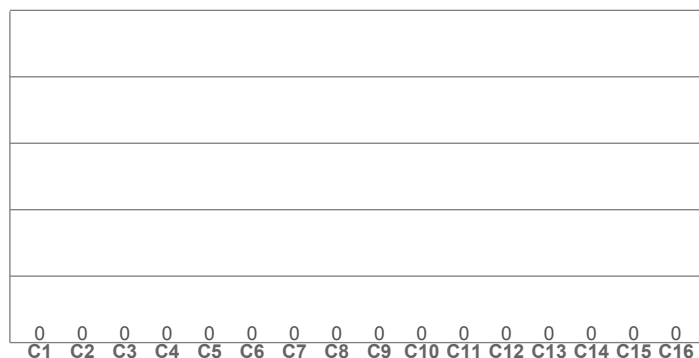
#### Power



## Color details



TM-30: 0.0



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

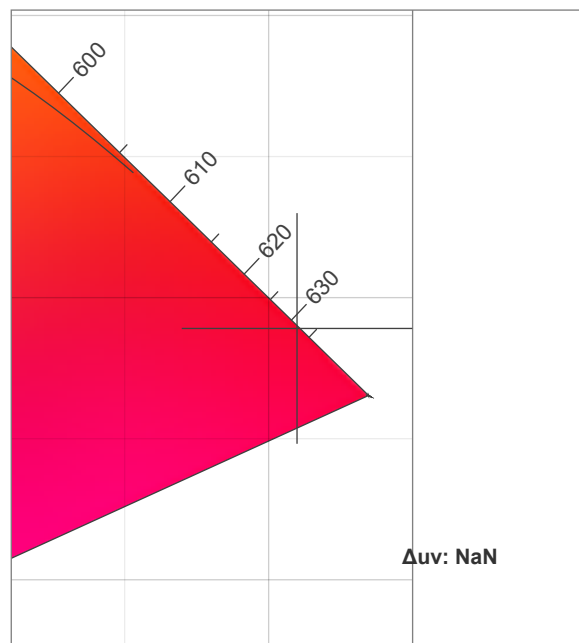
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

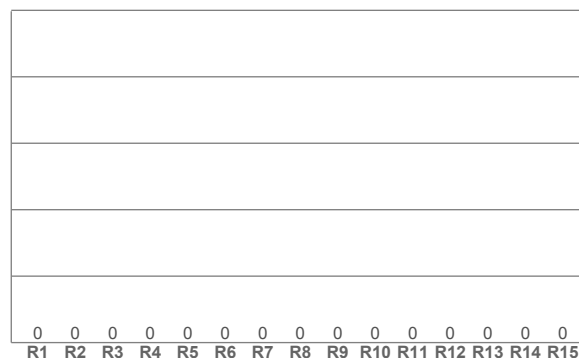
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CQS Q values

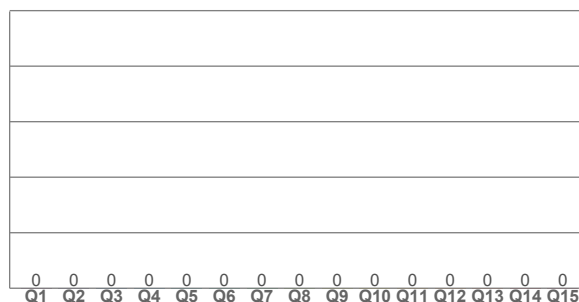
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



CRI: 0.0 (R1-R8)



CQS: 0.0



### Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.710	0.289	0.562	0.344	NaN

# TM-30 details

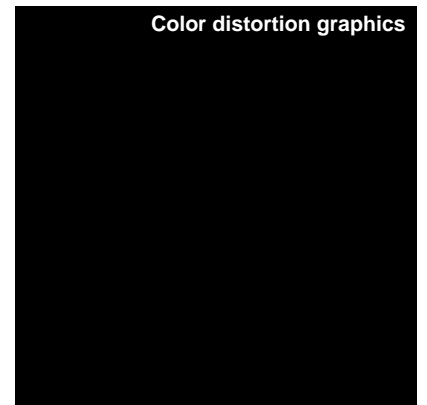
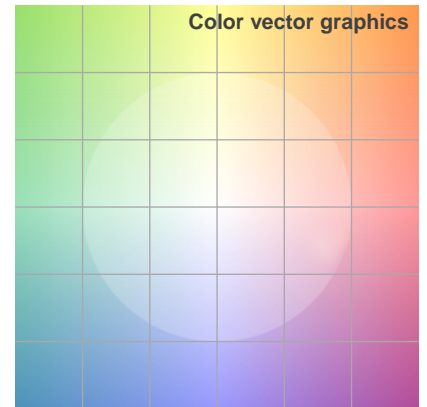
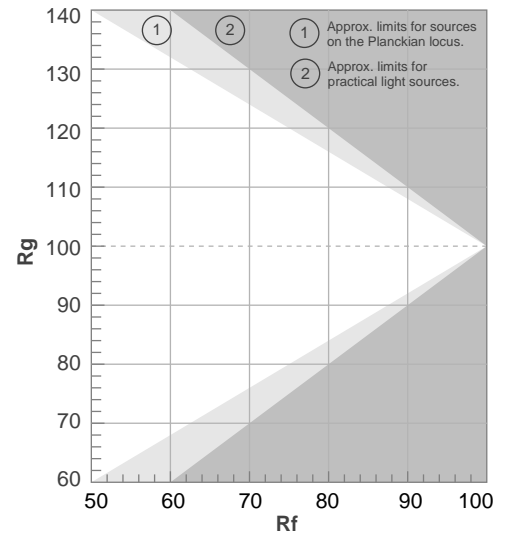
**Rf 0.0**

Fidelity index Rf

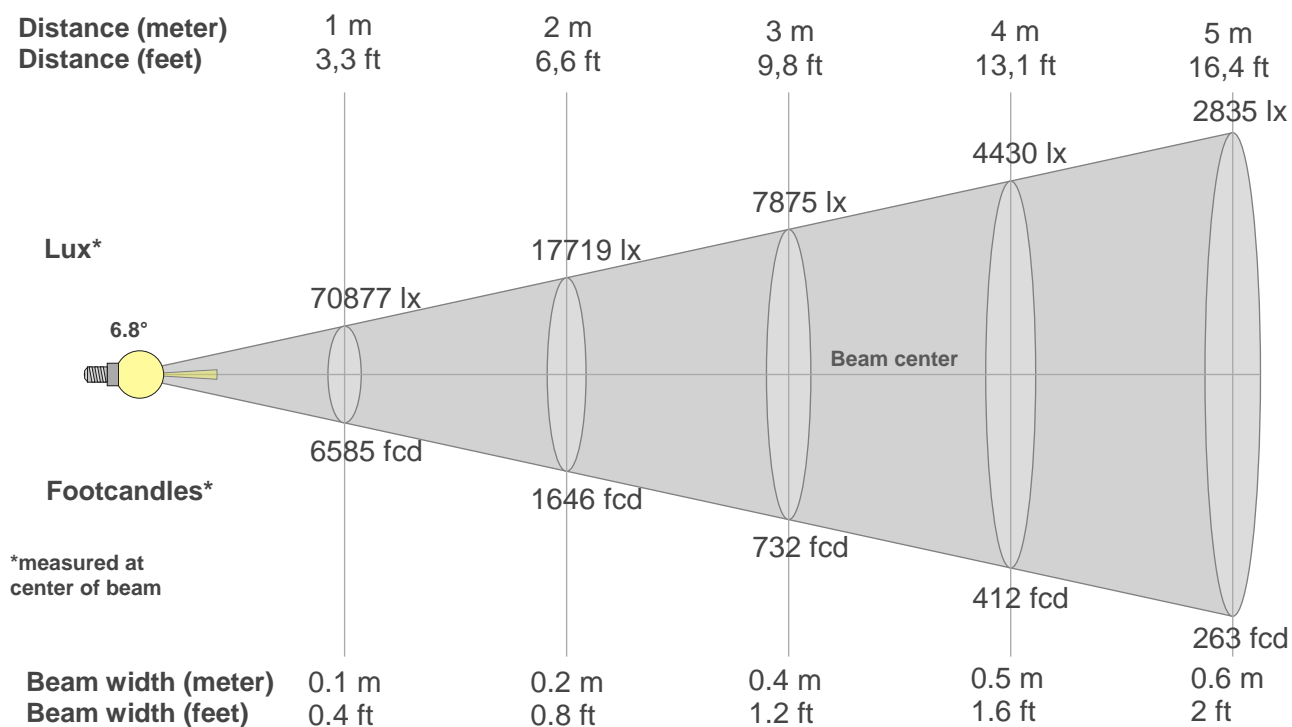
**Rg 0.0**

Gamut index Rg

Hue Bin	R <sub>i</sub>	Shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



## Beam details



### Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
70877lx	17719lx	7875lx	4430lx	2835lx	1969lx	1446lx	1107lx	875lx	709lx	586lx	492lx	419lx	362lx	315lx	277lx	245lx	219lx	196lx	177lx
6584.7fcd	1646.2fcd	731.6fcd	411.5fcd	263.4fcd	182.9fcd	134.4fcd	102.9fcd	81.3fcd	65.8fcd	54.4fcd	45.7fcd	39fcd	33.6fcd	29.3fcd	25.7fcd	22.8fcd	20.3fcd	18.2fcd	16.5fcd

### Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
70.9k	71.0k	70.0k	61.7k	3.8k	0.3k	0.2k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	100%	99%	87%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

### Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
70.9k	71.0k	70.0k	61.7k	3.8k	0.3k	0.2k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	100%	99%	87%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

### Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
70.9k	71.0k	70.0k	61.7k	3.8k	0.3k	0.2k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	100%	99%	87%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

### Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
70.9k	71.0k	70.0k	61.7k	3.8k	0.3k	0.2k	0.1k	0.1k	0.1k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k	0.0k
100%	100%	99%	87%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

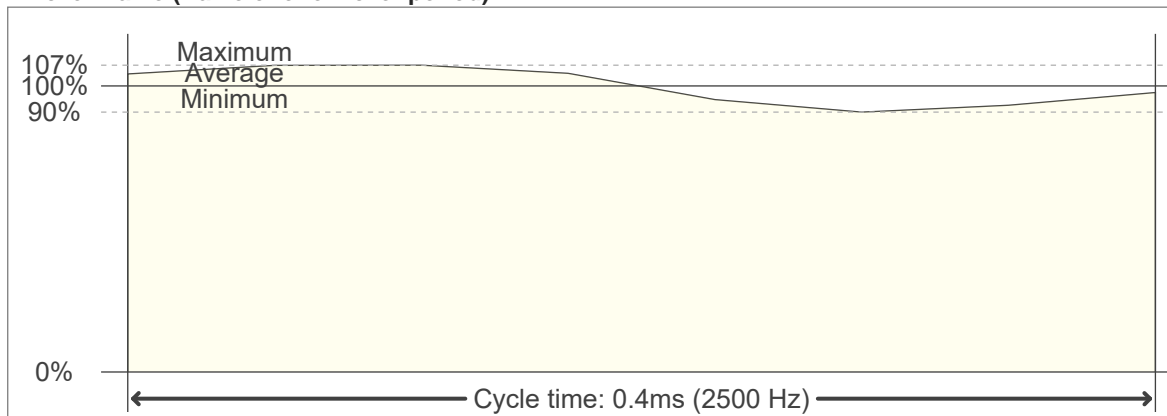
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
6.8°	7.8°	8.3°	96.9%	95.2%

# Flicker

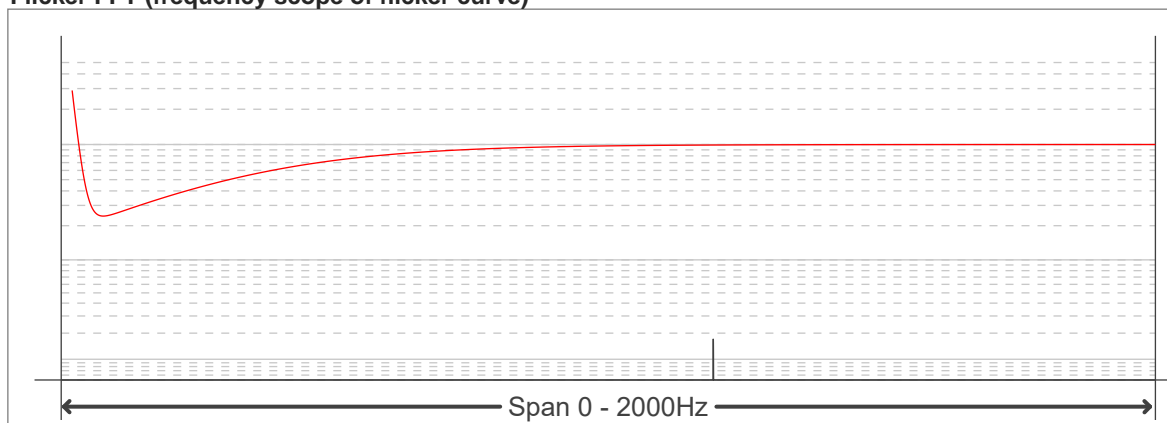
**Flicker curve (complete sampled flicker signal)**



**Flicker frame (frame of one flicker period)**



**Flicker FFT (frequency scope of flicker curve)**



## Flicker results:

Flicker frequency:		2500 Hz	
Flicker index:	0.03	JA8/10 40Hz	0.14 %
Flicker percentage:	9.16 %	JA8/10 90Hz	0.25 %
SVM: (Visual flicker)	0.04	JA8/10 200Hz	0.39 %
PstLM	0	JA8/10 400Hz	0.7 %
Mp	0.08	JA8/10 1000Hz	1.85 %

## Flicker conditions:

Sample rate:	20000 samples/second
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