

Light efficiency:



Light quality:



Color temperature:



Output: 1712 lm

Peak: 7456 cd

Power: 71.6 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

**ElectraPix Bar 16**

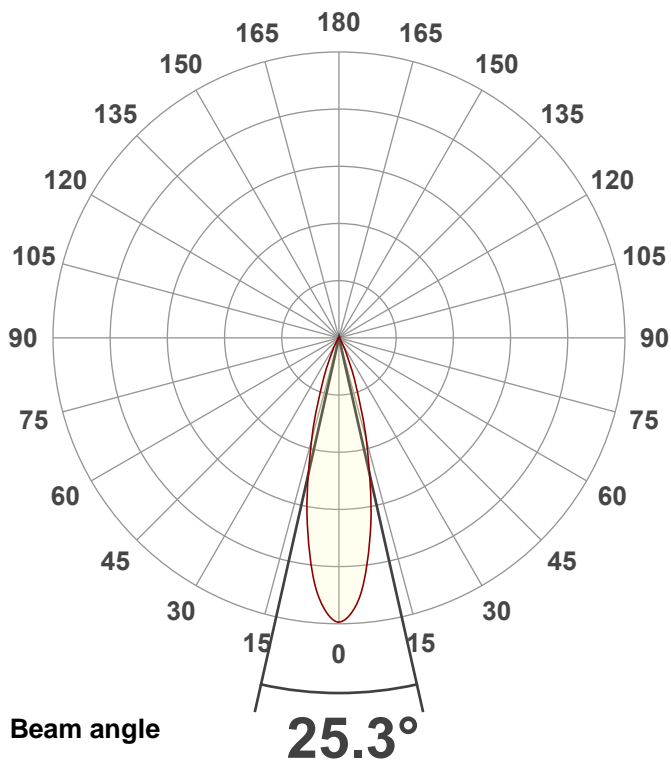
Item number:

**Green**

Date and time:

**8/28/2024 12:18:24 PM**

Description:

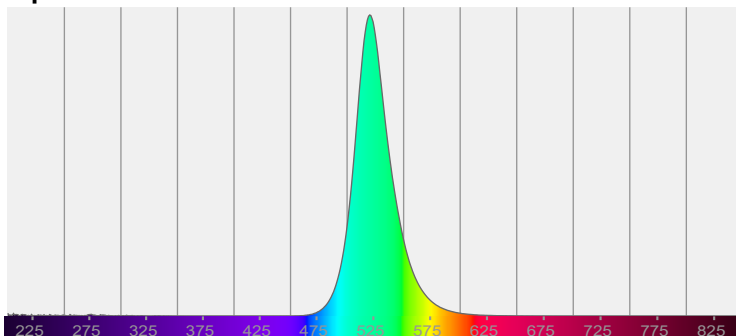


CIE 1931

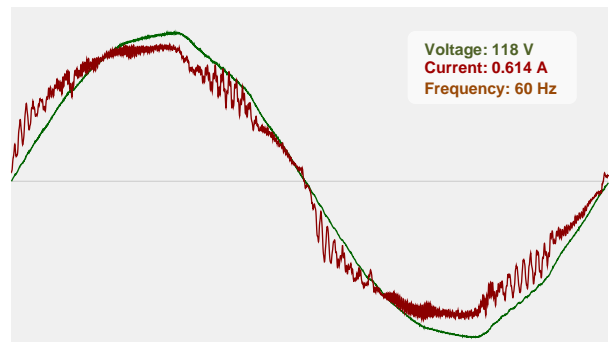
x: 0.168

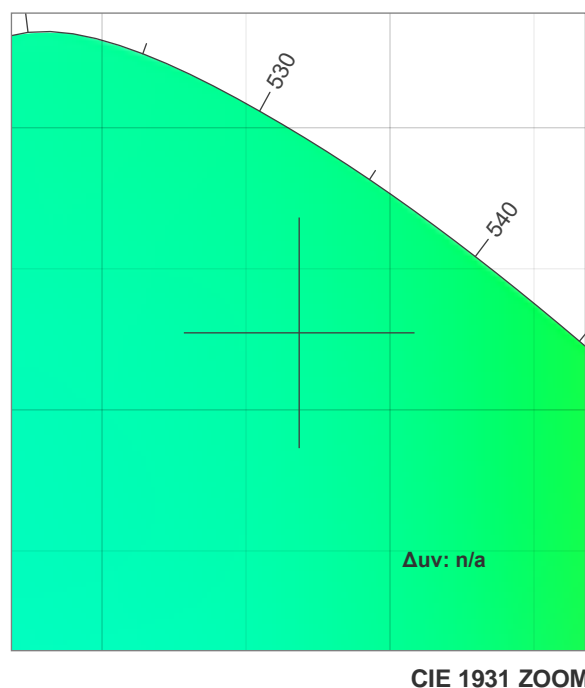
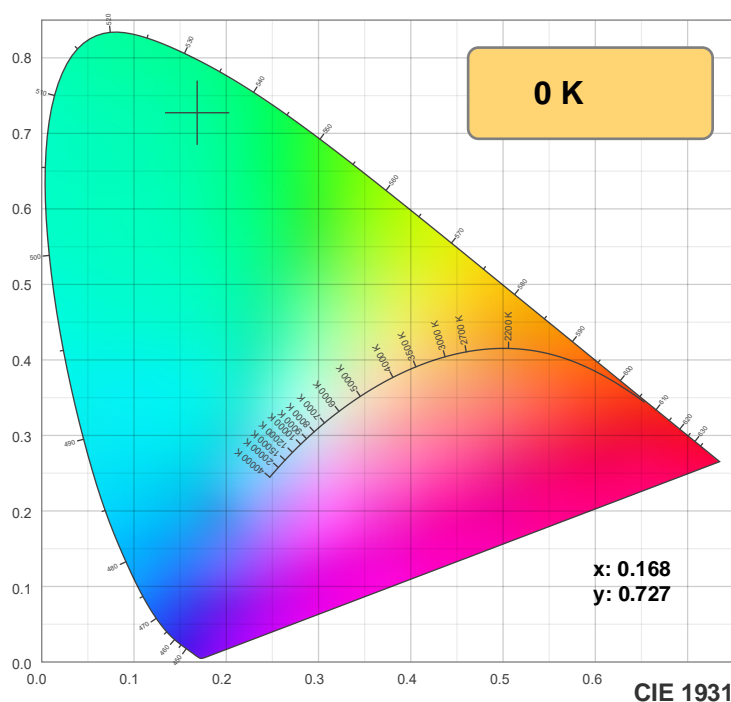
y: 0.727

Spectra



Power





**TM-30: 0.0**

**CRI: 0.0 (R1-R8)**

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	

**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

**CQS: 0.0**

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	

## 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	0.168	0.727	0.059	0.383	n/a

# TM-30 details

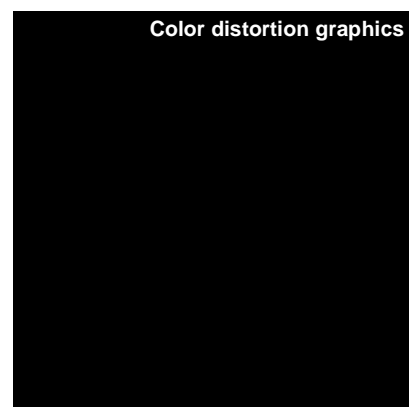
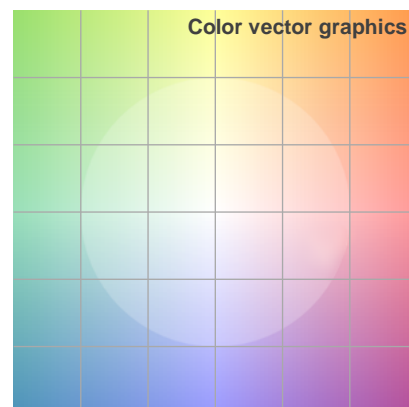
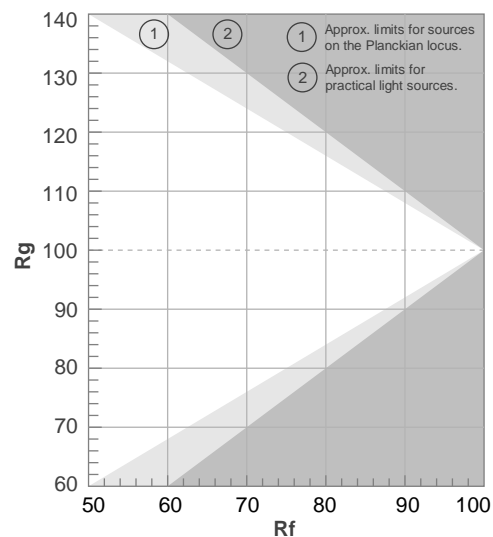
**Rf 0.0**

Fidelity index Rf

**Rg 0.0**

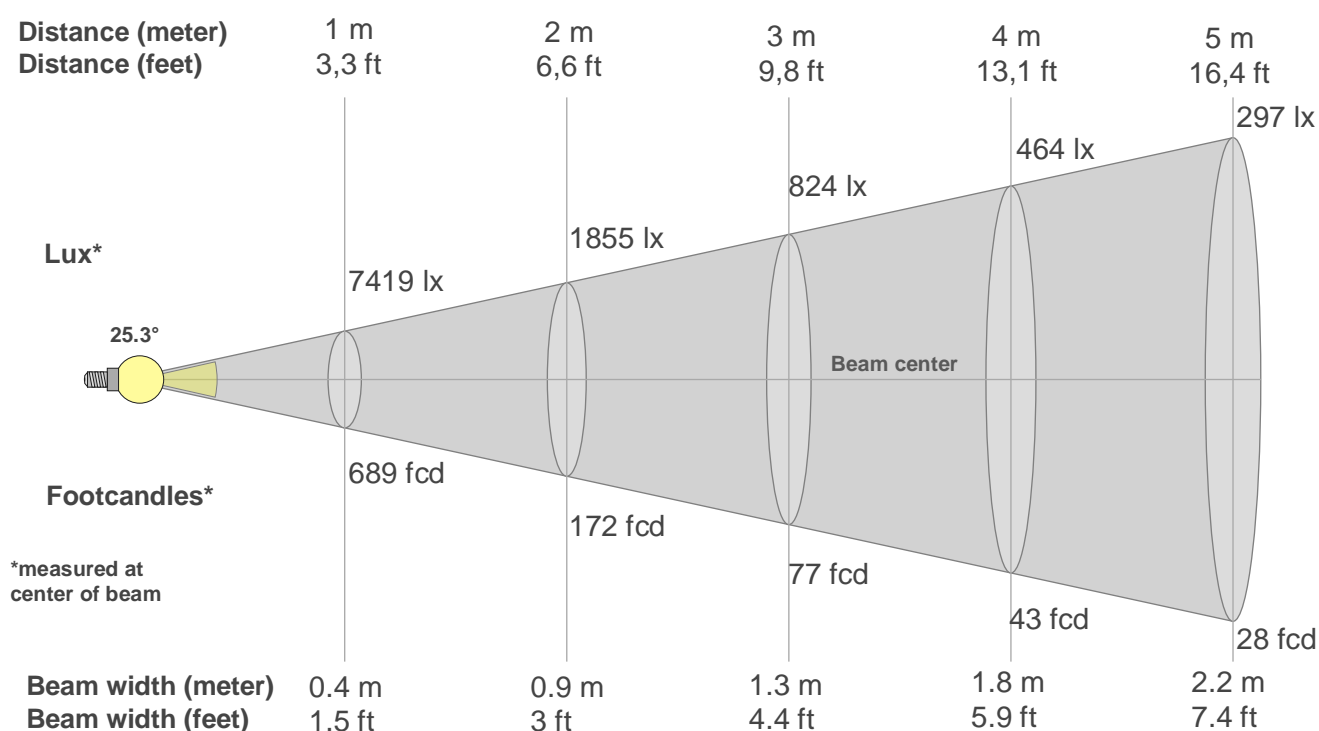
Gamut index Rg

Hue Bin	R <sub>t</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%



Color Evaluation Sample

## 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
7419lx	1855lx	824lx	464lx	297lx	206lx	151lx	116lx	92lx	74lx	61lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
689.2fcd	172.3fcd	76.6fcd	43.1fcd	27.6fcd	19.1fcd	14.1fcd	10.8fcd	8.5fcd	6.9fcd	5.7fcd	4.8fcd	4.1fcd	3.5fcd	3.1fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd	1.7fcd

### Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7419	7149	6879	6315	5583	4838	4008	3178	2477	1849	1263	938	612	416	291	178	139	99	77	64
100%	96%	93%	85%	75%	65%	54%	43%	33%	25%	17%	13%	8%	6%	4%	2%	2%	1%	1%	1%

### Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7419	7149	6879	6315	5583	4838	4008	3178	2477	1849	1263	938	612	416	291	178	139	99	77	64
100%	96%	93%	85%	75%	65%	54%	43%	33%	25%	17%	13%	8%	6%	4%	2%	2%	1%	1%	1%

### Intensities in 180° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7419	7161	6817	6323	5564	4806	4002	3190	2462	1879	1295	954	652	418	303	188	142	106	79	67
100%	97%	92%	85%	75%	65%	54%	43%	33%	25%	17%	13%	9%	6%	4%	3%	2%	1%	1%	1%

### Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7419	7161	6817	6323	5564	4806	4002	3190	2462	1879	1295	954	652	418	303	188	142	106	79	67
100%	97%	92%	85%	75%	65%	54%	43%	33%	25%	17%	13%	9%	6%	4%	3%	2%	1%	1%	1%

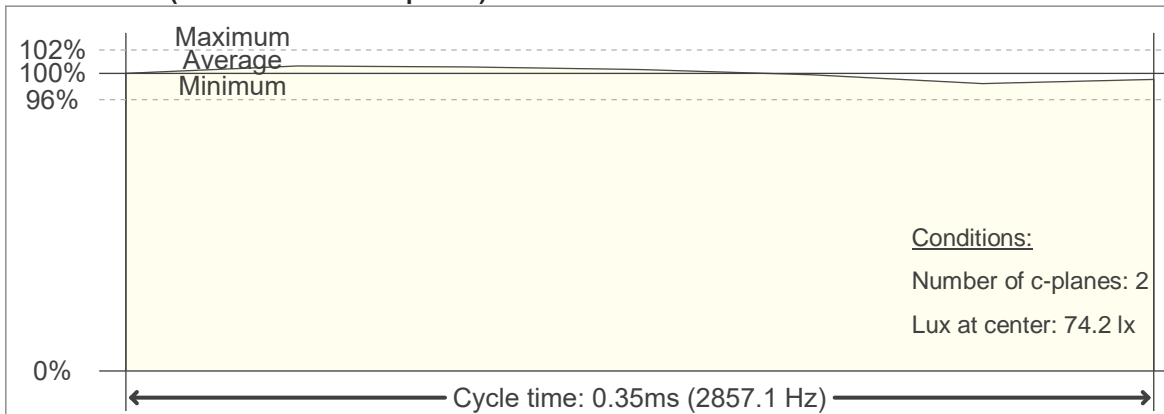
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.3°	46.6°	59.7°	99.1%	97.2%

## Flicker

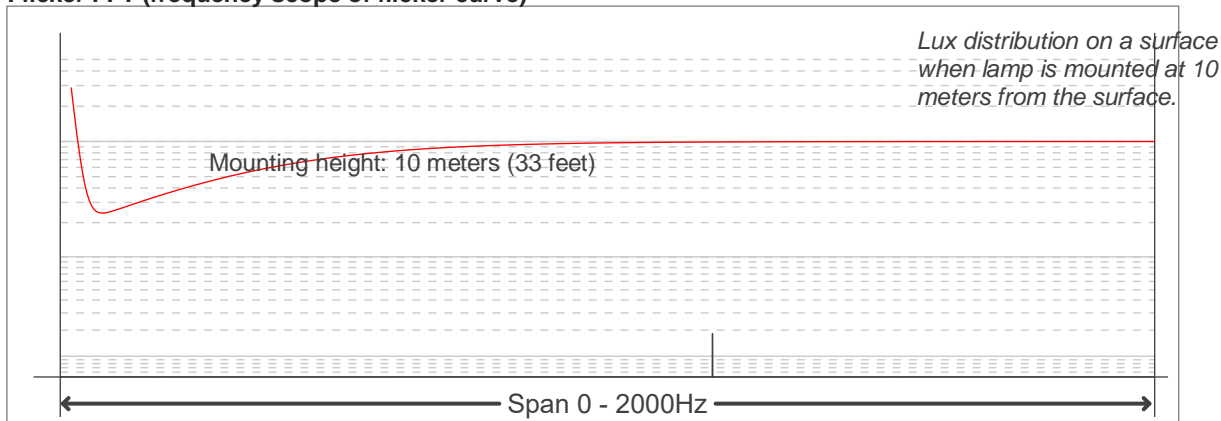
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



### Flicker results:

Flicker frequency:		2857.14 Hz	
Flicker index:	0.01	JA8/10 40Hz	0.06 %
Flicker percentage:	9.16 %	JA8/10 90Hz	0.14 %
SVM: (Visual flicker)	0.04	JA8/10 200Hz	0.29 %
PstLM	0.02	JA8/10 400Hz	0.57 %
Mp	0.01	JA8/10 1000Hz	1.4 %

### Flicker conditions:

Sample rate:	20000 samples/second
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