

Light efficiency:



Light quality:



Color temperature:



Output: 701 lm

Peak: 3047 cd

Power: 72.4 W

PF: 0.99



Tracking number: [n/a](#)

Product name:

**ElectraPix Bar 16**

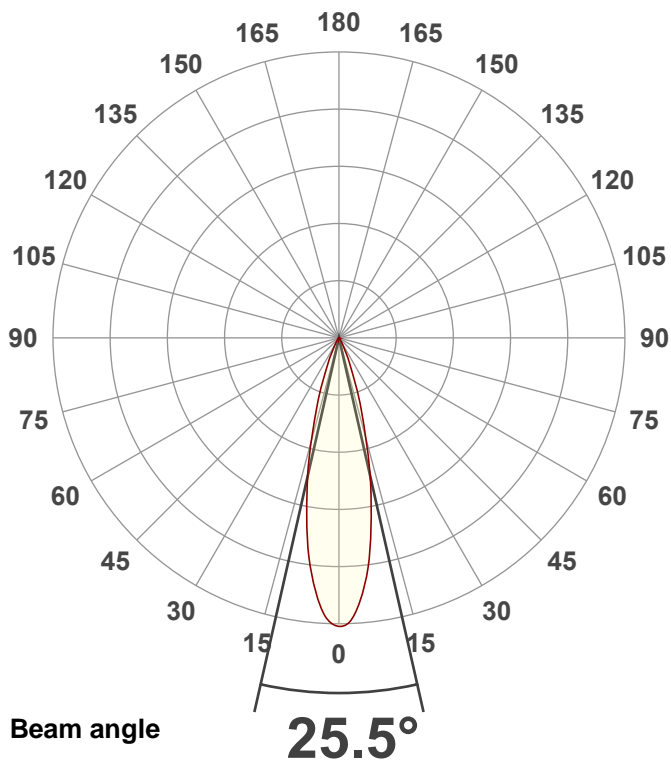
Item number:

**Red**

Date and time:

**8/28/2024 12:02:40 PM**

Description:

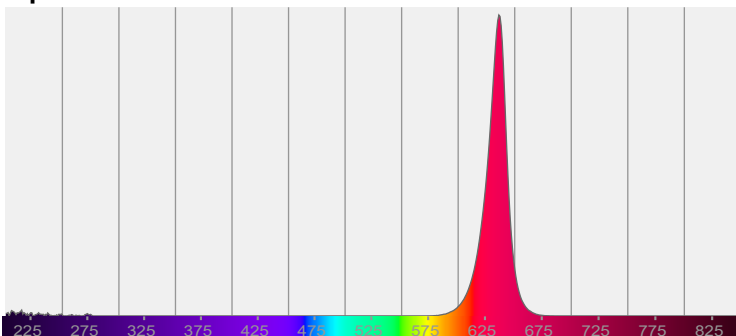


CIE 1931

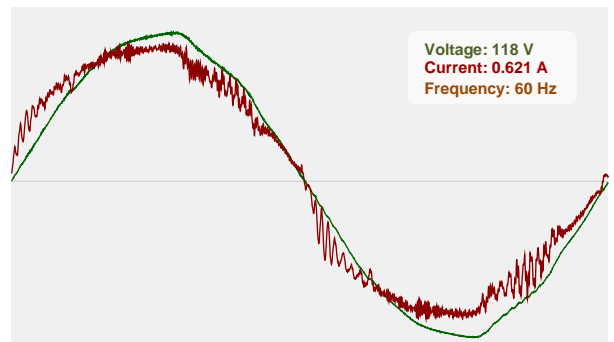
x: 0.701

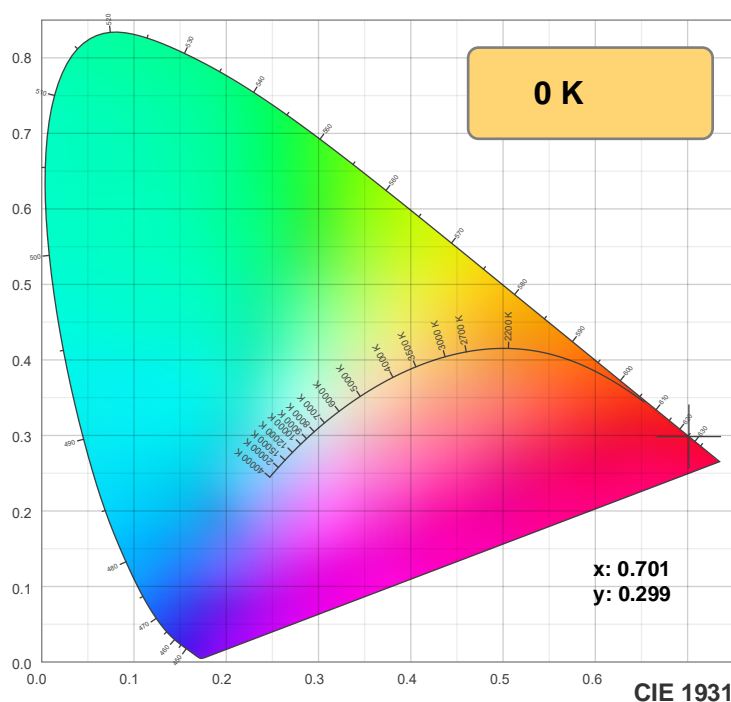
y: 0.299

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	R16

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	Q16

## 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	$\Delta uv$
0 K	0.0	0.0	0.0	0.0	0.0	0.701	0.299	0.542	0.346	n/a

# TM-30 details

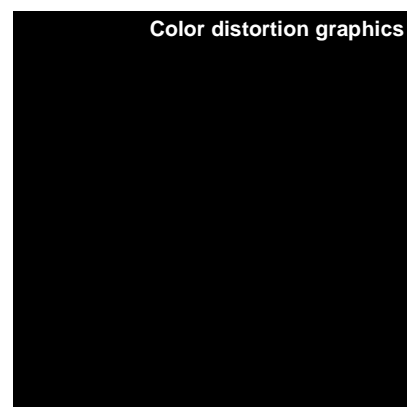
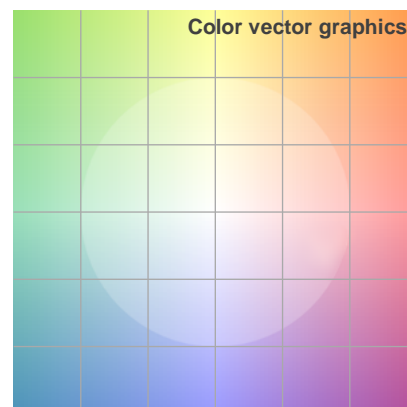
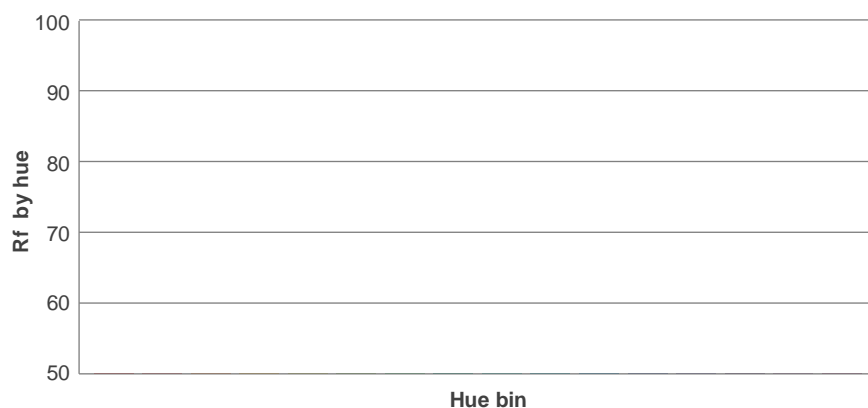
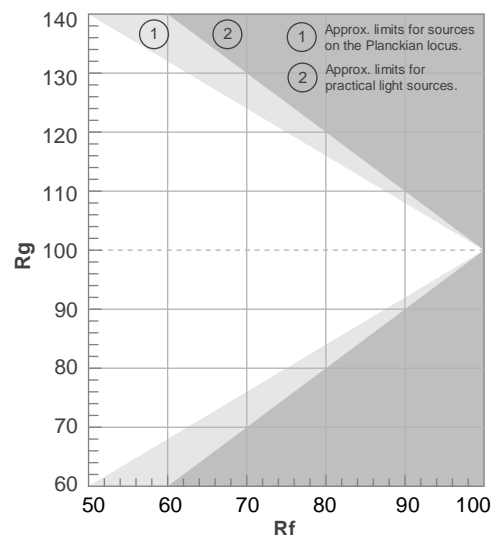
**Rf 0.0**

Fidelity index Rf

**Rg 0.0**

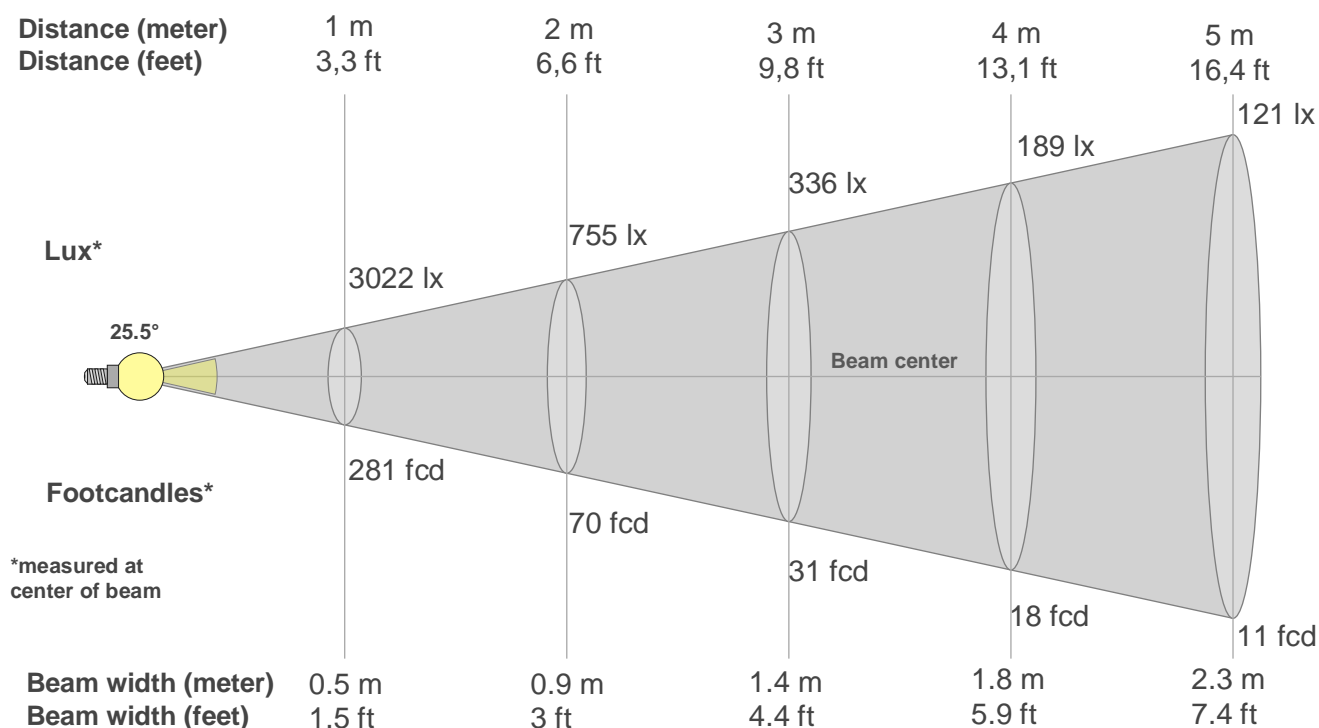
Gamut index Rg

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
3022lx	755lx	336lx	189lx	121lx	84lx	62lx	47lx	37lx	30lx	25lx	21lx	18lx	15lx	13lx	12lx	10lx	9lx	8lx	8lx
280.7fcd	70.2fcd	31.2fcd	17.5fcd	11.2fcd	7.8fcd	5.7fcd	4.4fcd	3.5fcd	2.8fcd	2.3fcd	1.9fcd	1.7fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

### 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°
3022	3045	2844	2621	2345	1994	1644	1321	1001	733	535	338	243	158	97	69	42	32	25	19
100%	101%	94%	87%	78%	66%	54%	44%	33%	24%	18%	11%	8%	5%	3%	2%	1%	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°
3022	3045	2844	2621	2345	1994	1644	1321	1001	733	535	338	243	158	97	69	42	32	25	19
100%	101%	94%	87%	78%	66%	54%	44%	33%	24%	18%	11%	8%	5%	3%	2%	1%	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°
3022	2999	2843	2595	2338	1994	1650	1334	1037	751	570	388	268	189	114	87	61	45	37	29
100%	99%	94%	86%	77%	66%	55%	44%	34%	25%	19%	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°
3022	2999	2843	2595	2338	1994	1650	1334	1037	751	570	388	268	189	114	87	61	45	37	29
100%	99%	94%	86%	77%	66%	55%	44%	34%	25%	19%	13%	9%	6%	4%	3%	2%	1%	1%	1%

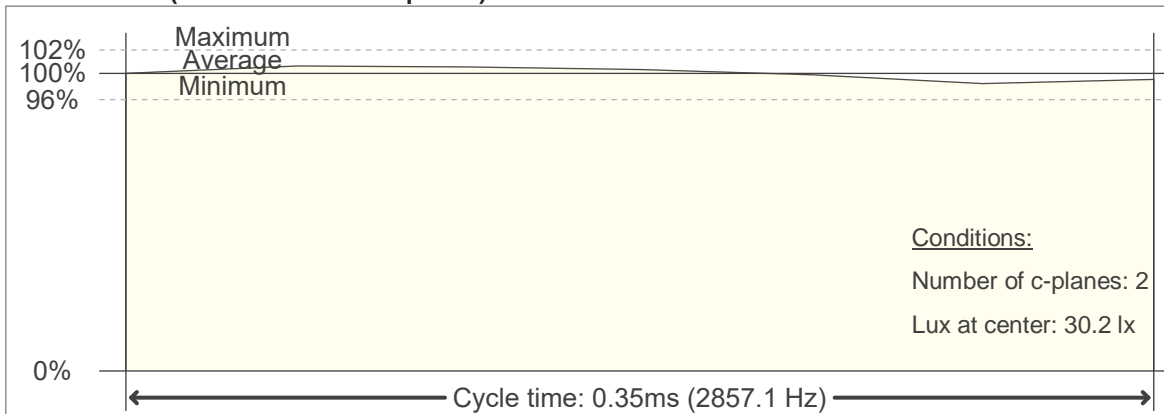
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.5°	45.7°	60.3°	99.4%	97.6%

## Flicker

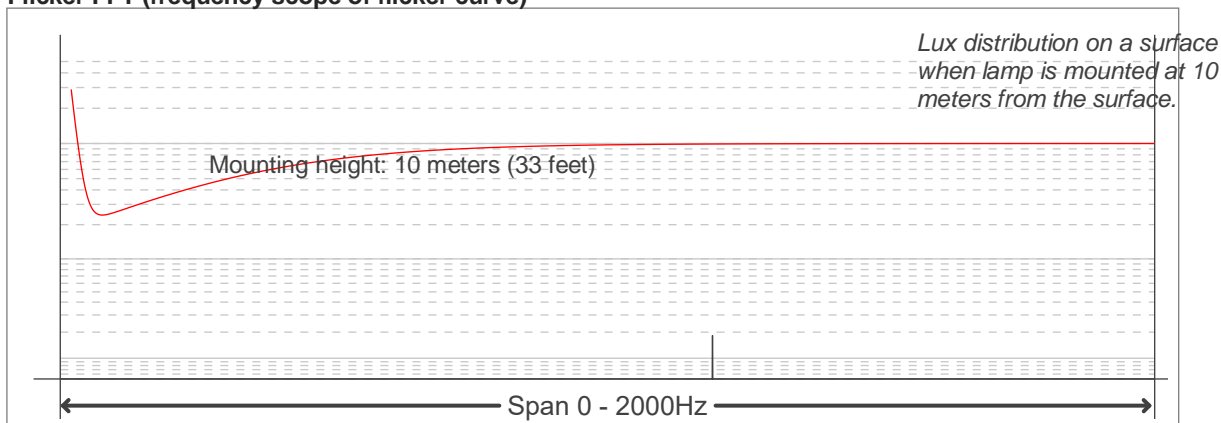
Flicker curve (complete sampled flicker signal)



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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