

Light efficiency:



Light quality:



Color temperature:



Output: 931 lm

Peak: 8368 cd

Power: 54.4 W

PF: 0.98



Tracking number: [n/a](#)

Product name:

**ElectraPix Bar 16**

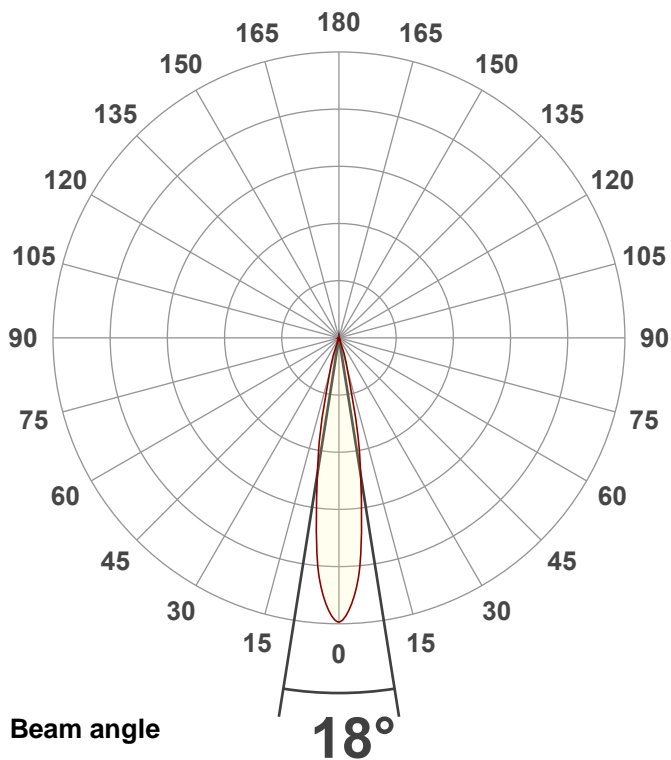
Item number:

**Red No Diffusion**

Date and time:

**8/30/2024 11:00:36 AM**

Description:

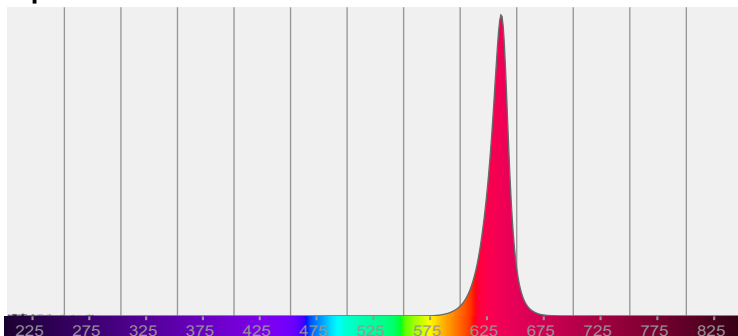


CIE 1931

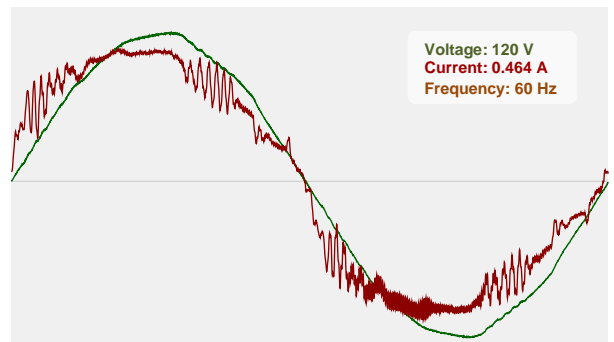
x: 0.701

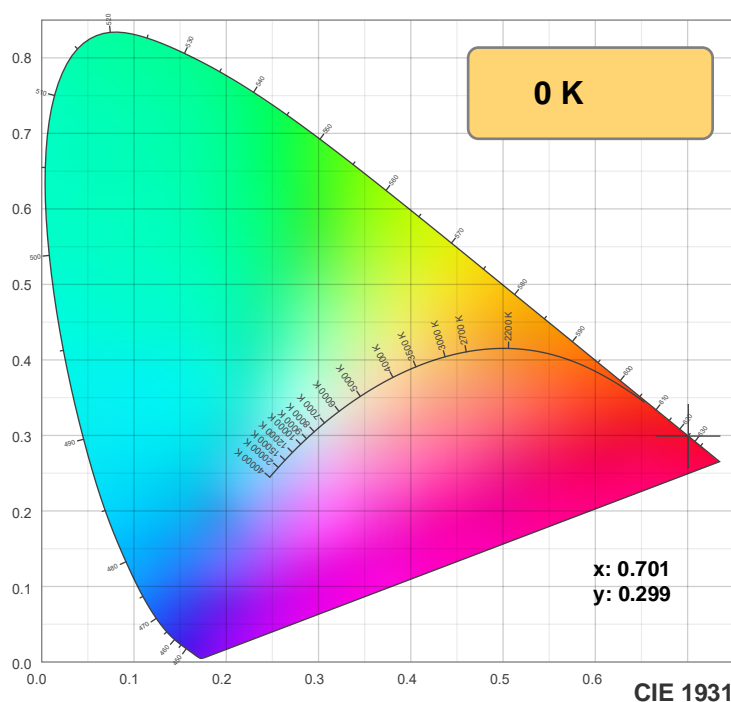
y: 0.299

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	0.540	0.346	n/a

# TM-30 details

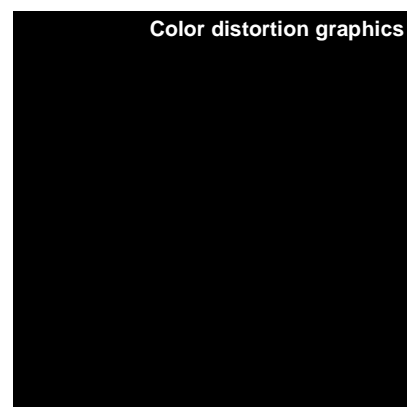
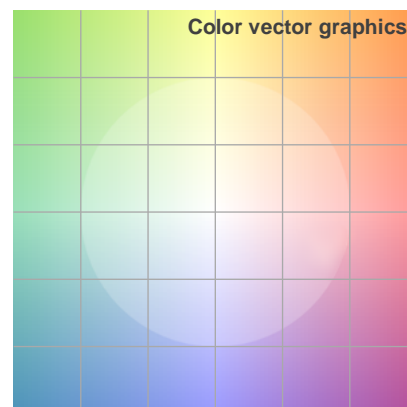
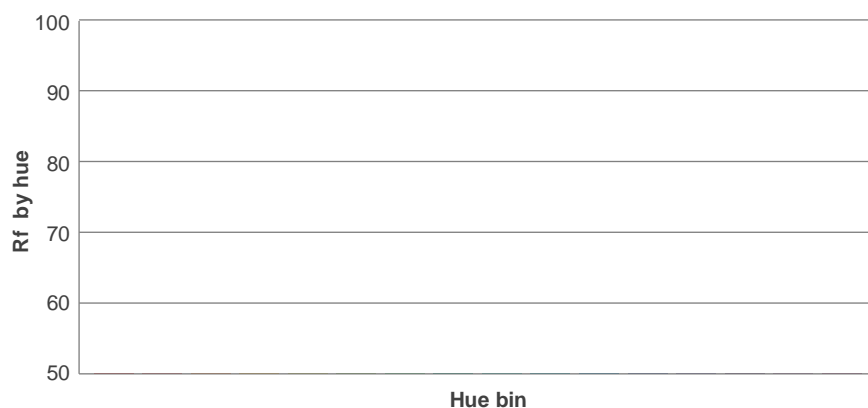
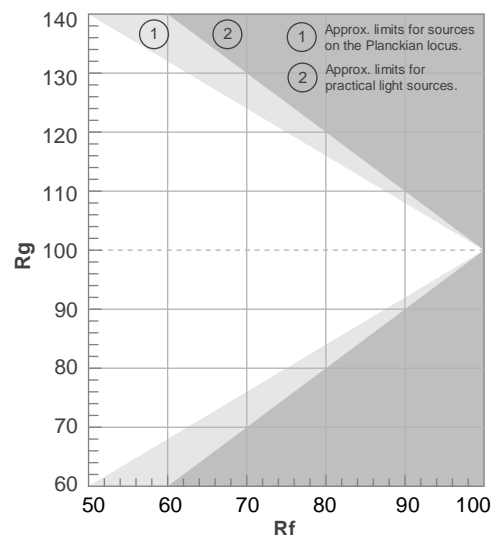
**Rf 0.0**

Fidelity index Rf

**Rg 0.0**

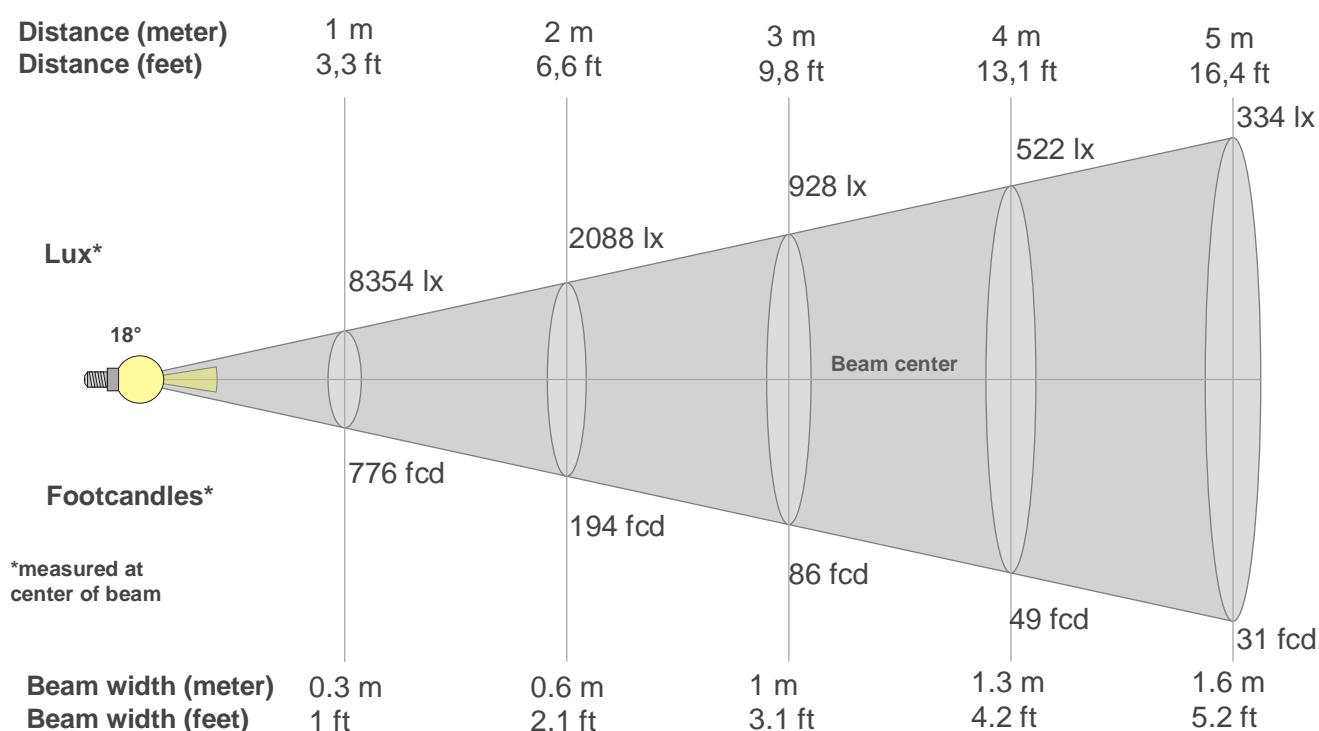
Gamut index Rg

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
8354lx	2088lx	928lx	522lx	334lx	232lx	170lx	131lx	103lx	84lx	69lx	58lx	49lx	43lx	37lx	33lx	29lx	26lx	23lx	21lx
776.1fcd	194fcd	86.2fcd	48.5fcd	31fcd	21.6fcd	15.8fcd	12.1fcd	9.6fcd	7.8fcd	6.4fcd	5.4fcd	4.6fcd	4fcd	3.4fcd	3fcd	2.7fcd	2.4fcd	2.1fcd	1.9fcd

### 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°
8354	8064	7774	7483	7193	6886	6212	5538	4864	4190	3525	3005	2486	1966	1447	945	783	622	461	300
100%	97%	93%	90%	86%	82%	74%	66%	58%	50%	42%	36%	30%	24%	17%	11%	9%	7%	6%	4%

### 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°
8354	8064	7774	7483	7193	6886	6212	5538	4864	4190	3525	3005	2486	1966	1447	945	783	622	461	300
100%	97%	93%	90%	86%	82%	74%	66%	58%	50%	42%	36%	30%	24%	17%	11%	9%	7%	6%	4%

### 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°
8354	8089	7796	7503	7209	6916	6247	5562	4876	4190	3505	3003	2511	2018	1525	1033	850	684	519	353
100%	97%	93%	90%	86%	83%	75%	67%	58%	50%	42%	36%	30%	24%	18%	12%	10%	8%	6%	4%

### 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°
8354	8089	7796	7503	7209	6916	6247	5562	4876	4190	3505	3003	2511	2018	1525	1033	850	684	519	353
100%	97%	93%	90%	86%	83%	75%	67%	58%	50%	42%	36%	30%	24%	18%	12%	10%	8%	6%	4%

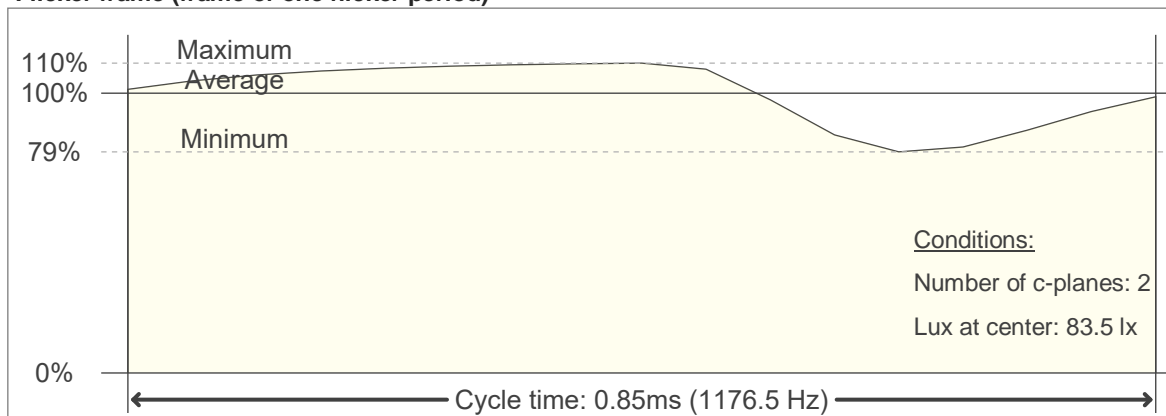
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18°	31.8°	39.4°	99.6%	98.2%

# Flicker

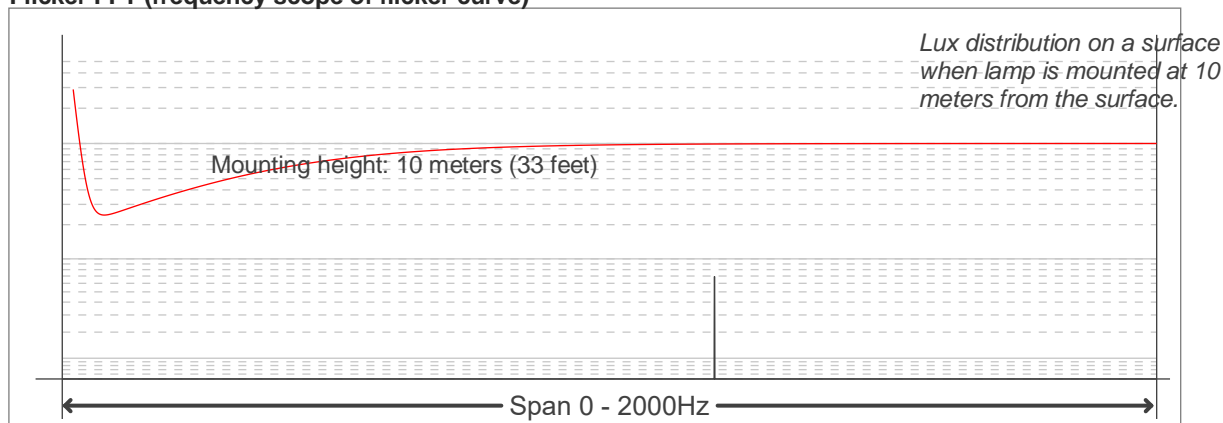
**Flicker curve (complete sampled flicker signal)**



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



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



## Flicker results:

Flicker frequency:		1176.47 Hz	
Flicker index:	0.05	JA8/10 40Hz	0.08 %
Flicker percentage:	17.23 %	JA8/10 90Hz	0.09 %
SVM: (Visual flicker)	0.14	JA8/10 200Hz	0.12 %
PstLM	0.07	JA8/10 400Hz	0.2 %
Mp	0.05	JA8/10 1000Hz	1.38 %

## Flicker conditions:

Sample rate:	20000 samples/second
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