

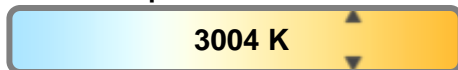
Light efficiency:



Light quality:



Color temperature:



Output: 258 lm

Peak: 110 cd

Power: 9.6 W

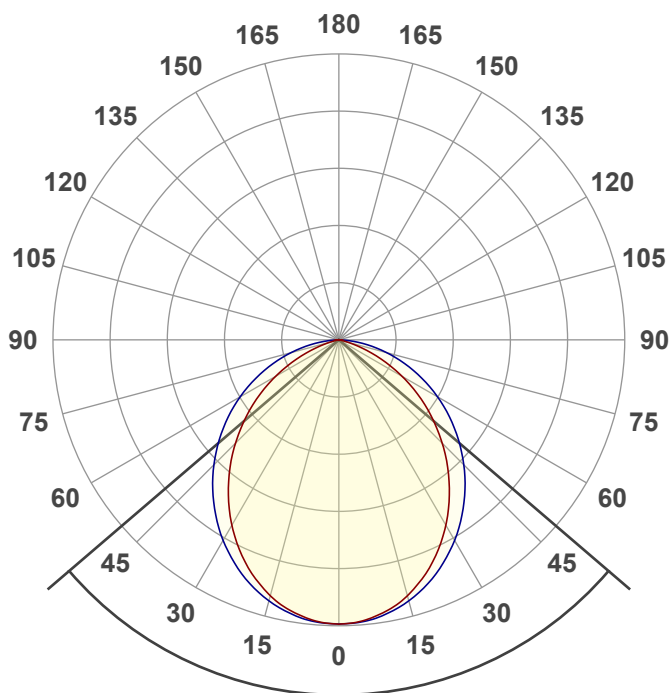
PF: 0.88



MICRO-MR1-SW-12-30K-95-D-BK-24

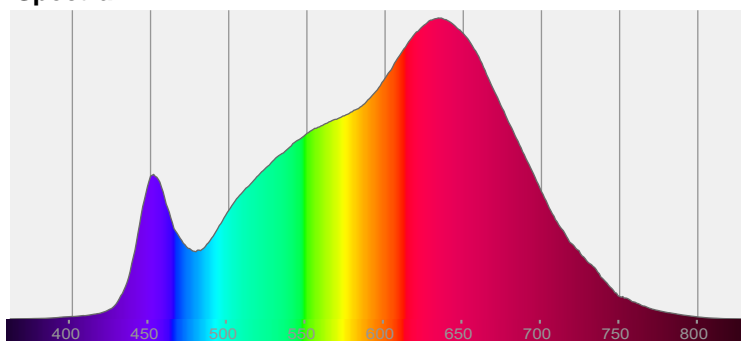
Date and time:

7/3/2023 1:03:21 PM

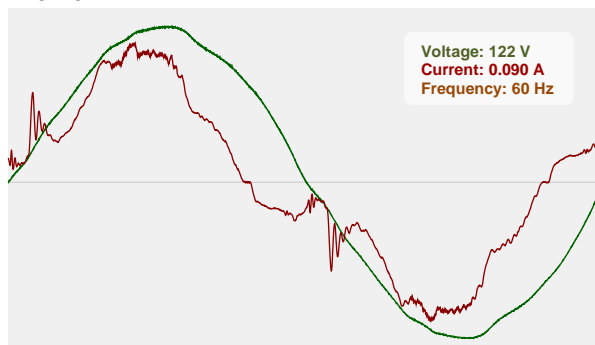


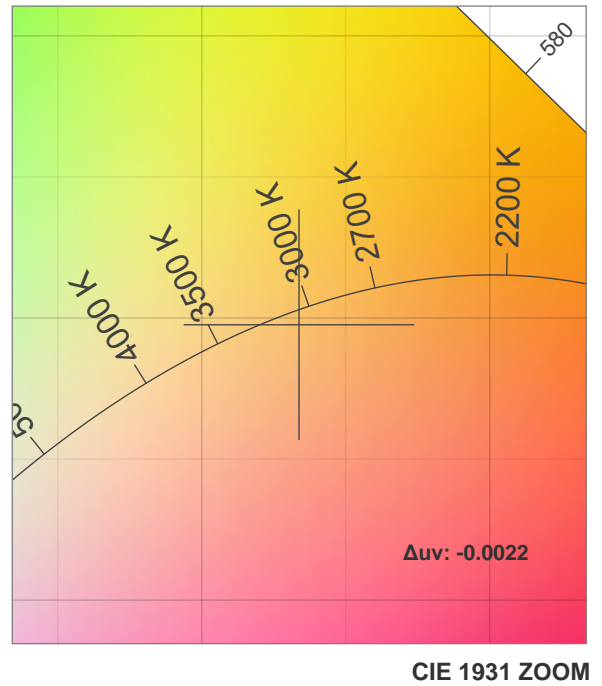
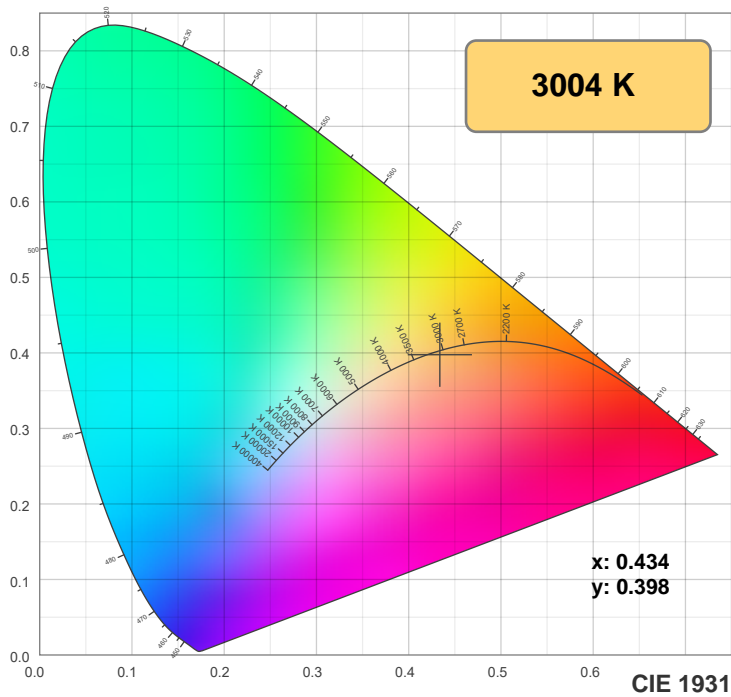
CIE 1931  
x: 0.434  
y: 0.398

Spectra

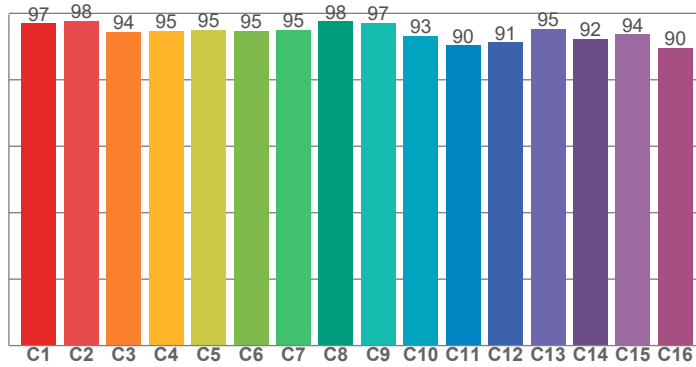


Power

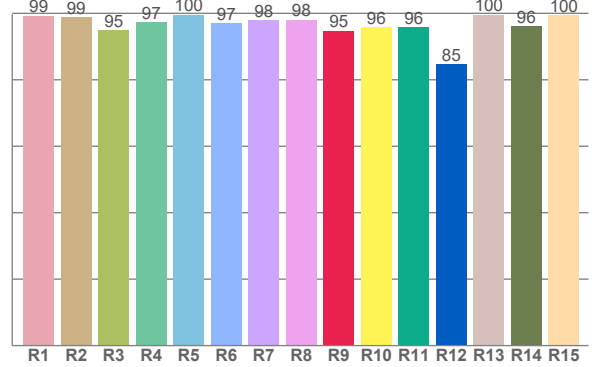




**TM30: 94.5**



**CRI: 97.9 (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
99.3	98.9	94.9	97.3	99.5	97.0	98.0	98.1	94.7	95.7	95.8	84.8	99.5	96.1	99.5

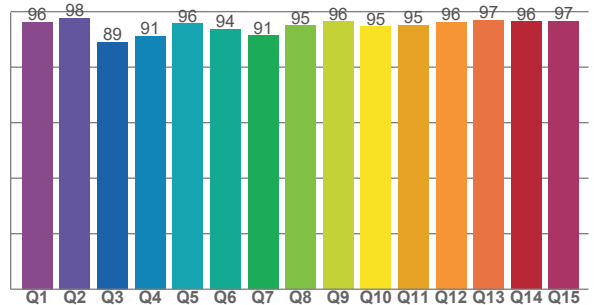
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.0	97.8	94.4	94.7	95.0	94.8	94.9	97.5	97.2	93.2	90.3	91.3	95.3	92.4	93.6	89.5

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.3	97.7	89.1	91.2	95.7	93.8	91.4	95.0	96.5	94.6	95.1	96.2	97.0	96.4	96.6

**CQS: 94.1**



## 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
3004 K	97.9	94.7	94.5	102.8	94.1	0.434	0.398	0.251	0.346	-0.0022

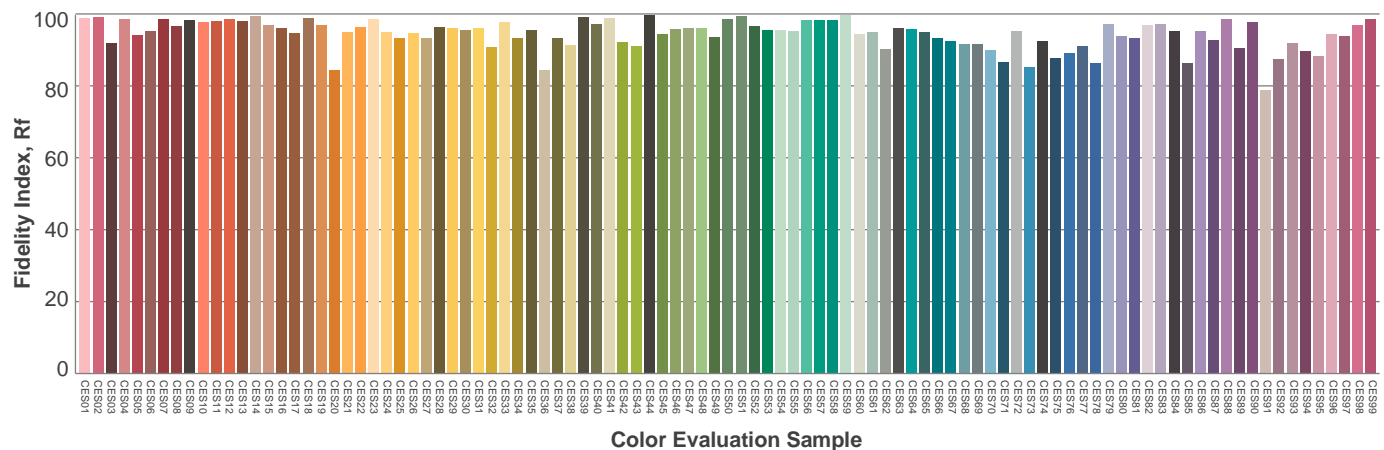
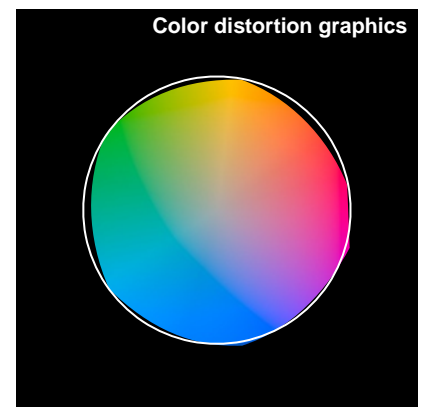
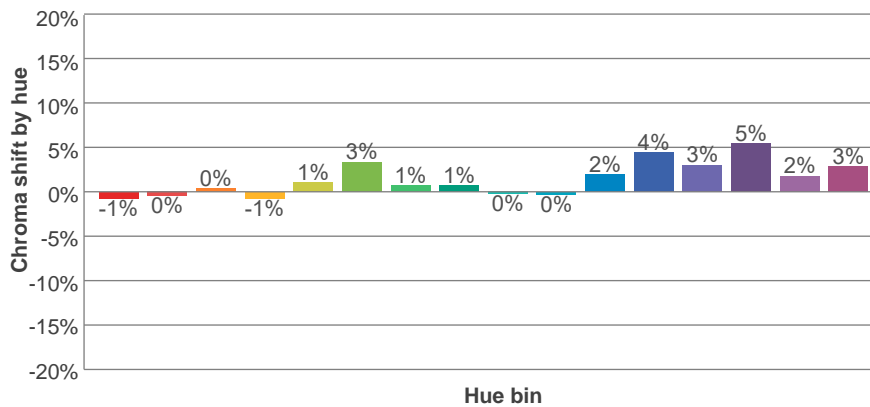
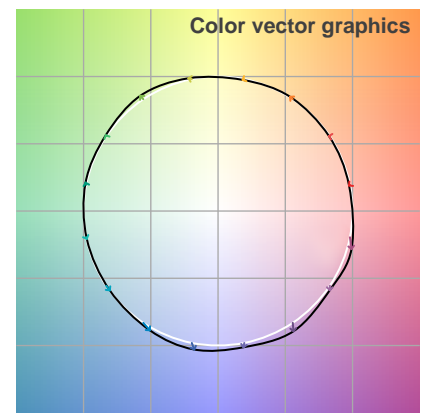
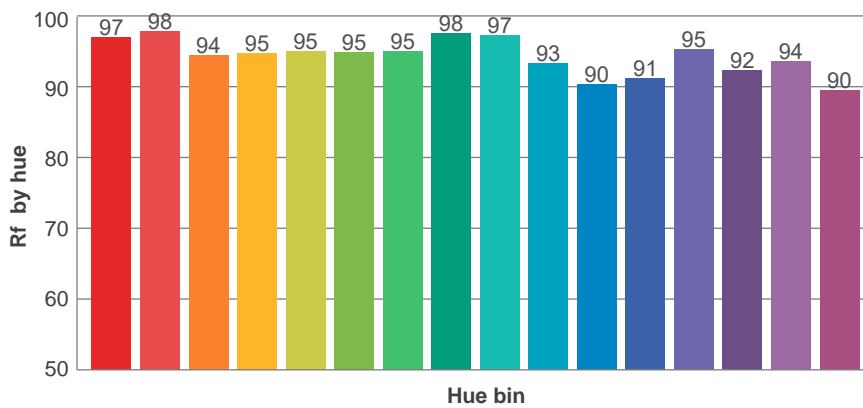
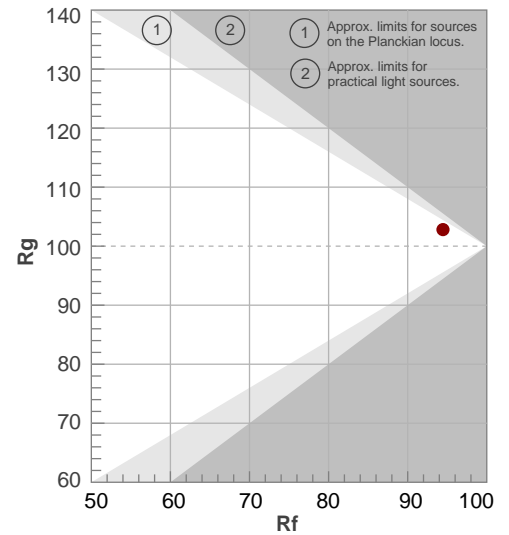
**Rf 94.5**

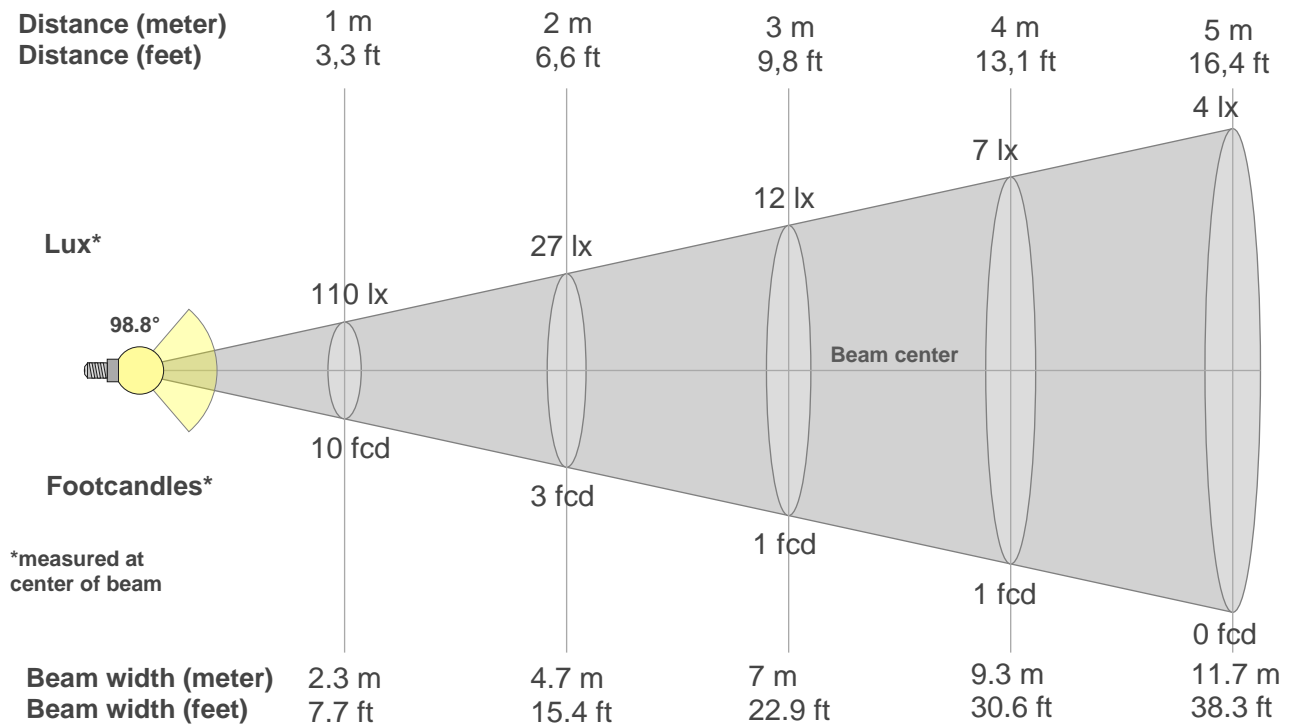
Fidelity index Rf

**Rg 102.8**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	-1%	0%
2	98	0%	1%
3	94	0%	3%
4	95	-1%	1%
5	95	1%	2%
6	95	3%	1%
7	95	1%	0%
8	98	1%	-1%
9	97	0%	1%
10	93	0%	4%
11	90	2%	7%
12	91	4%	3%
13	95	3%	-1%
14	92	5%	-3%
15	94	2%	-3%
16	90	3%	-8%





#### 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
110lx	27lx	12lx	7lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx	0lx
10.2fcd	2.5fcd	1.1fcd	0.6fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0fcd	0fcd	0fcd	0fcd	0fcd	0fcd

#### Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
110	109	106	102	97	90	83	74	66	56	47	38	28	19	10	4	1	0	0	0
100%	99%	97%	93%	88%	82%	75%	68%	60%	51%	43%	34%	26%	17%	9%	3%	1%	0%	0%	0%

#### Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
110	109	107	104	100	95	89	83	76	68	60	52	44	36	27	19	11	4	0	0
100%	100%	98%	95%	91%	87%	82%	76%	69%	62%	55%	48%	40%	32%	25%	17%	10%	4%	0%	0%

#### Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
110	109	106	102	97	90	83	74	66	56	47	38	28	19	10	4	1	0	0	0
100%	99%	97%	93%	88%	82%	75%	68%	60%	51%	43%	34%	26%	17%	9%	3%	1%	0%	0%	0%

#### Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
110	109	107	104	100	95	89	83	76	68	60	52	44	36	27	19	11	4	0	0
100%	100%	98%	95%	91%	87%	82%	76%	69%	62%	55%	48%	40%	32%	25%	17%	10%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
98.8°	148.7°	160.4°	84.8%	60.3%