

Light efficiency:



Light quality:



Color temperature:



Output: 286 lm

Peak: 140 cd

Power: 9.2 W

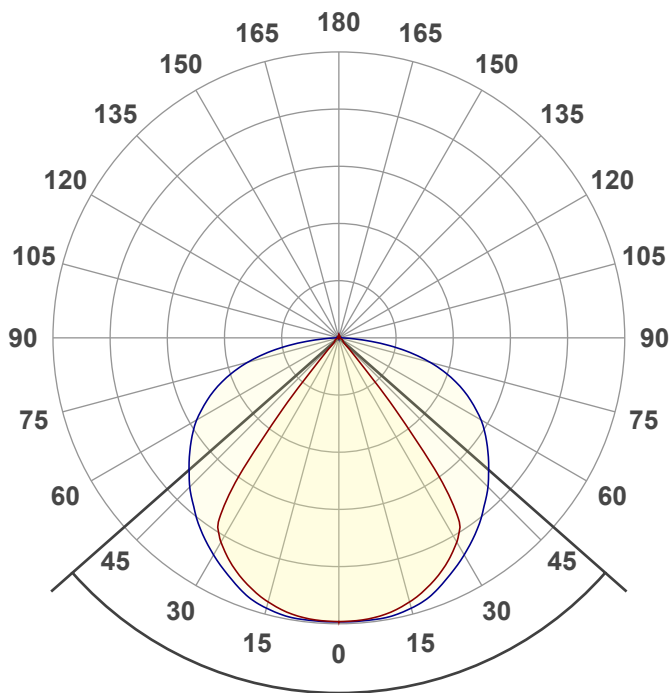
PF: 0.88



MICRO-MF3-SW-4-30K-95-C-BK-24

Date and time:

7/26/2023 12:00:36 PM



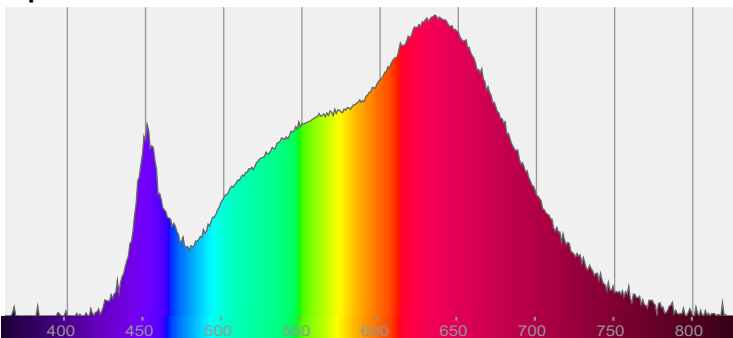
Beam angle

97.2°

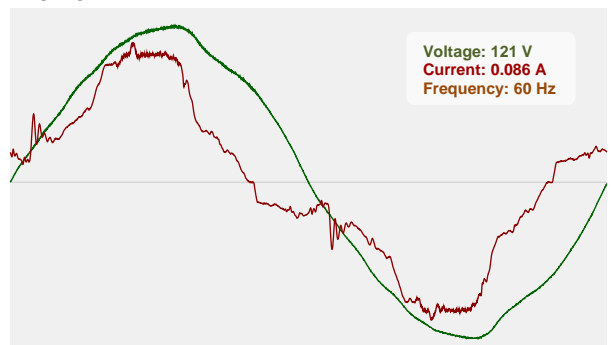


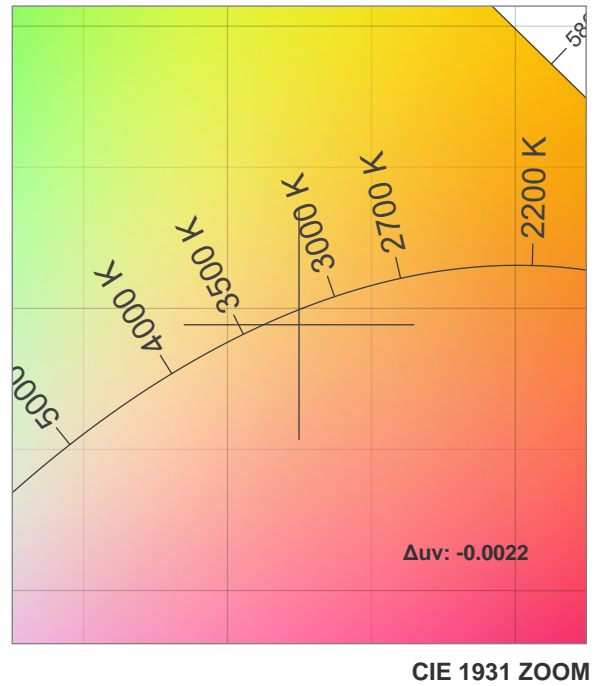
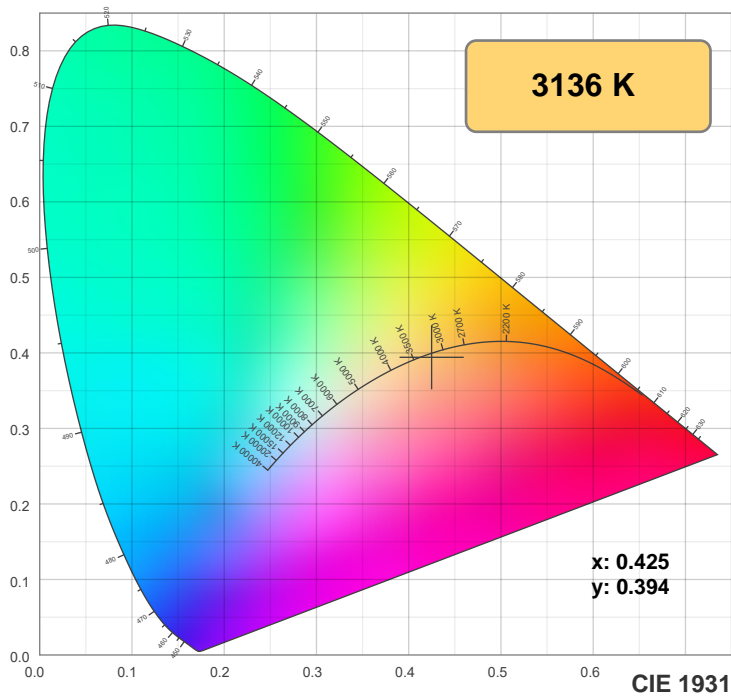
CIE 1931  
x: 0.425  
y: 0.394

Spectra

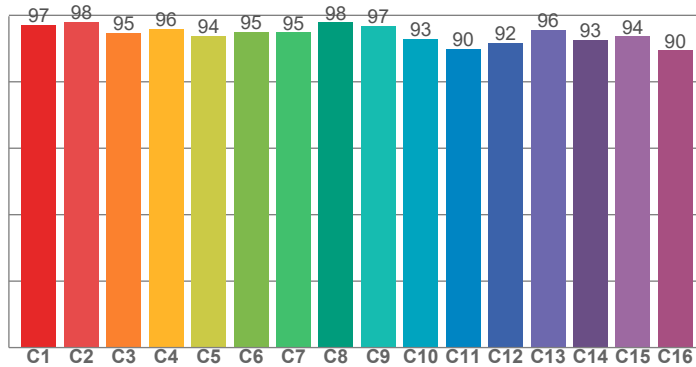


Power

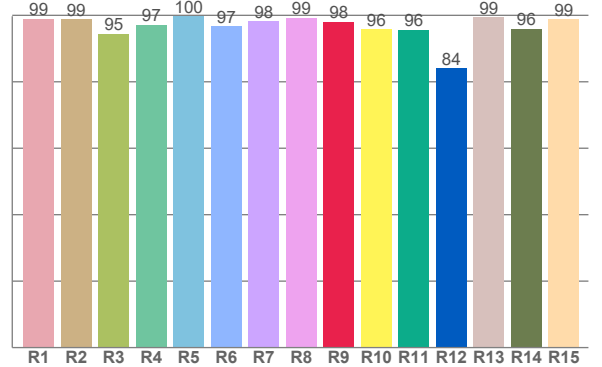




**TM30: 94.5**



**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
98.9	98.9	94.5	97.2	99.7	96.8	98.2	99.2	98.1	95.7	95.7	84.1	99.4	96.0	98.7

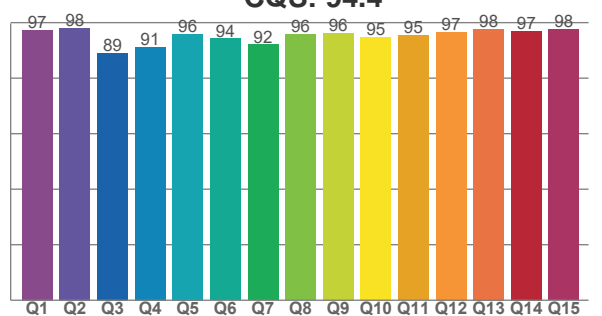
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97.1	98.1	94.7	95.8	93.8	95.1	94.9	97.9	96.8	92.8	89.9	91.7	95.7	92.7	93.6	89.5

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.3	98.0	89.1	91.2	95.9	94.2	92.1	95.8	96.3	94.9	95.4	96.7	97.7	97.0	97.6

**CQS: 94.4**



## 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
3136 K	97.9	98.1	94.5	102.9	94.4	0.425	0.394	0.247	0.344	-0.0022

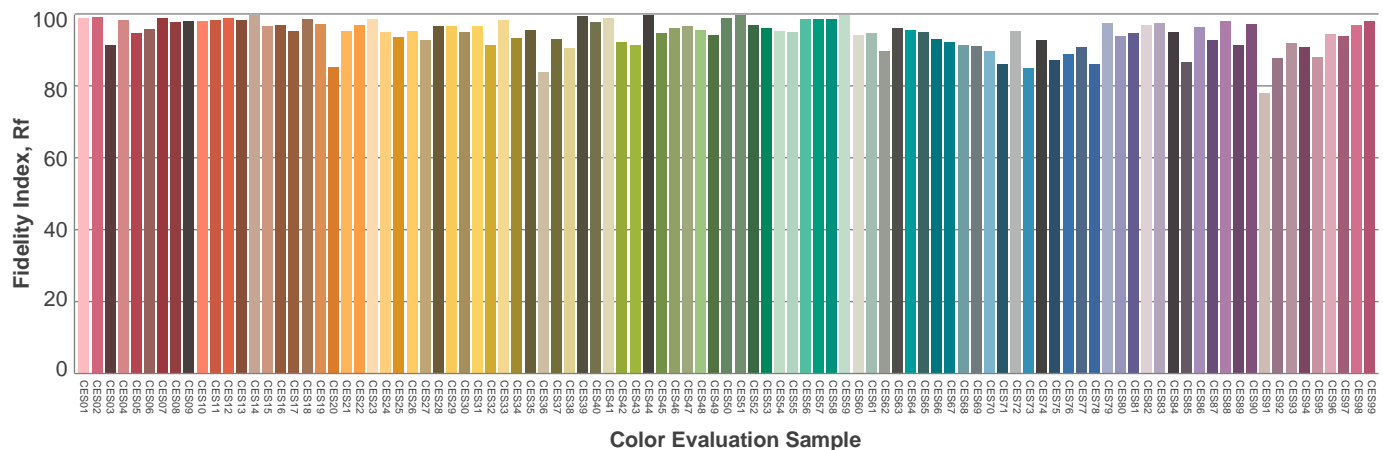
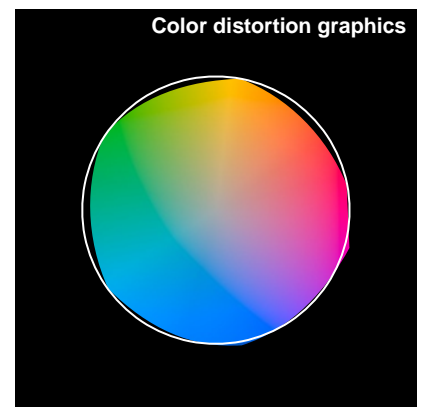
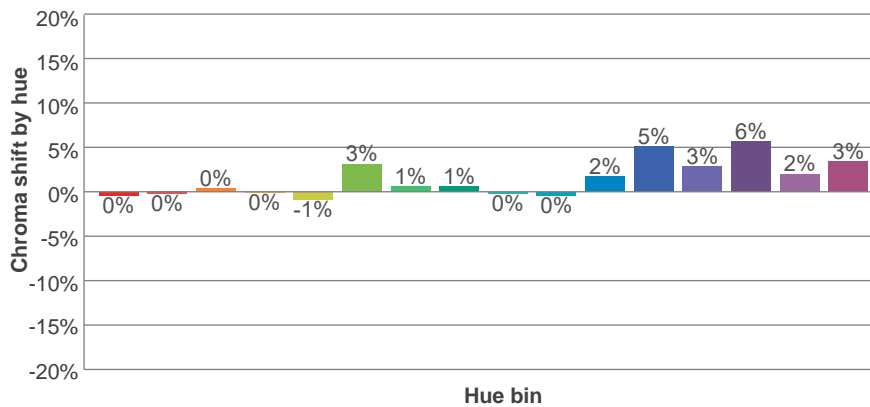
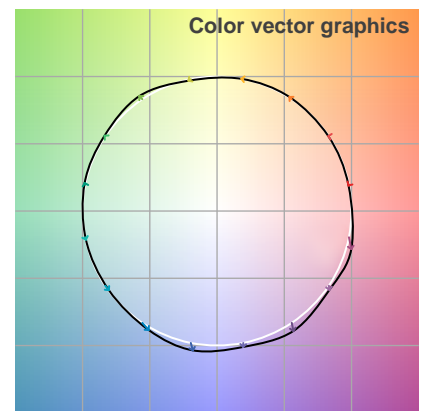
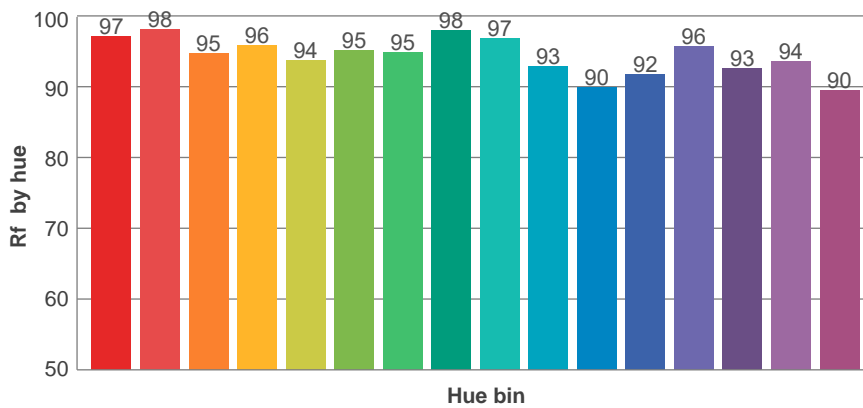
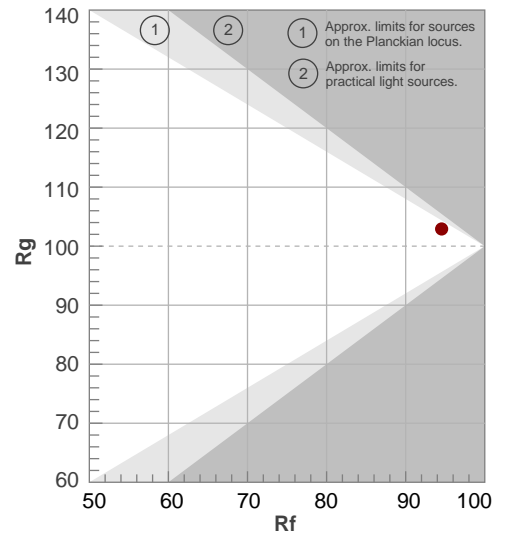
**Rf 94.5**

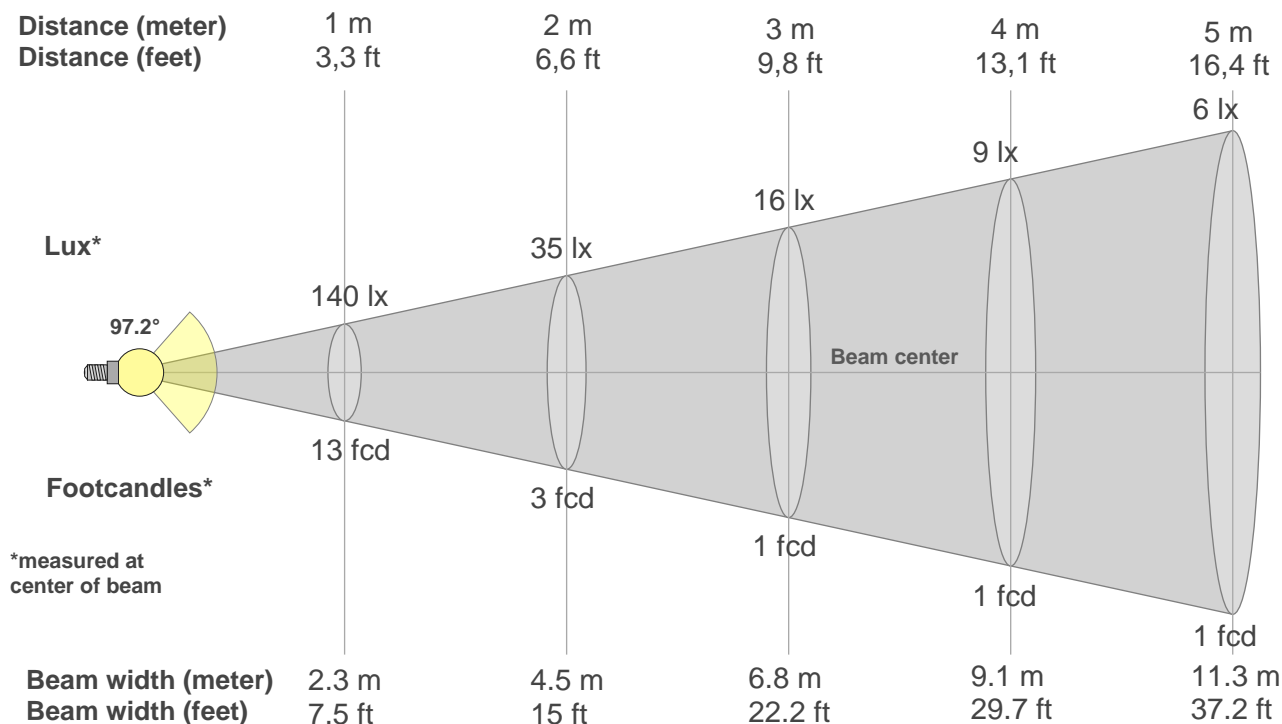
Fidelity index Rf

**Rg 102.9**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	97	0%	0%
2	98	0%	0%
3	95	0%	2%
4	96	0%	1%
5	94	-1%	2%
6	95	3%	1%
7	95	1%	0%
8	98	1%	-1%
9	97	0%	2%
10	93	0%	4%
11	90	2%	7%
12	92	5%	3%
13	96	3%	-1%
14	93	6%	-2%
15	94	2%	-2%
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
140lx	35lx	16lx	9lx	6lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx
13fcd	3.3fcd	1.4fcd	0.8fcd	0.5fcd	0.4fcd	0.3fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	0.1fcd	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°
140	140	138	135	130	124	116	93	23	4	3	2	2	2	1	1	0	0	0	0
100%	100%	99%	96%	93%	89%	83%	66%	17%	3%	2%	2%	1%	1%	1%	0%	0%	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°
140	140	140	138	135	129	124	118	111	104	97	89	81	71	60	47	30	12	1	0
100%	100%	100%	98%	96%	92%	88%	84%	79%	74%	69%	63%	58%	51%	43%	33%	21%	8%	1%	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°
140	140	138	135	130	124	116	93	23	4	3	2	2	2	1	1	0	0	0	0
100%	100%	99%	96%	93%	89%	83%	66%	17%	3%	2%	2%	1%	1%	1%	0%	0%	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°
140	140	140	138	135	129	124	118	111	104	97	89	81	71	60	47	30	12	1	0
100%	100%	100%	98%	96%	92%	88%	84%	79%	74%	69%	63%	58%	51%	43%	33%	21%	8%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
97.2°	114.7°	123.5°	89.3%	71.3%