

Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3057 K

Output: 2031 lm

Peak: 5712 cd

Power: 33.7 W

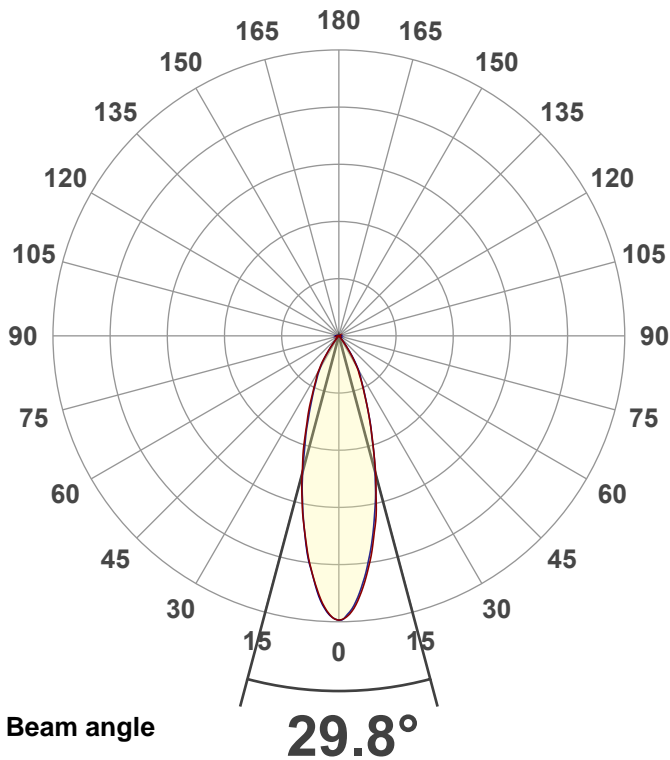
PF: 0.98



NU4-RD-TW-30LM-2750-80-35D-HCL-WH-WH

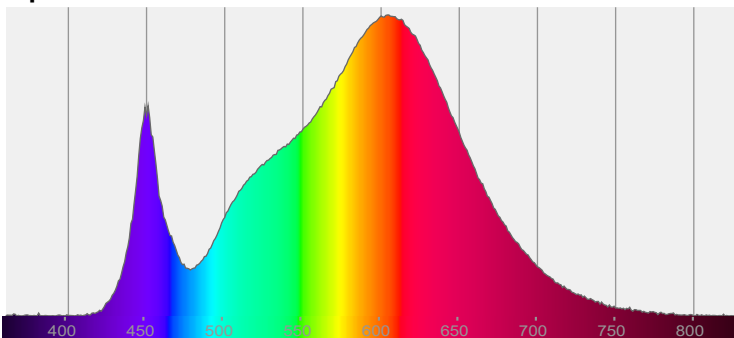
Date and time:

4/3/2023 2:19:57 PM

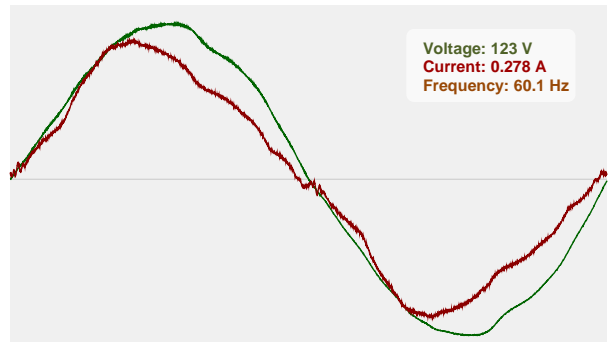


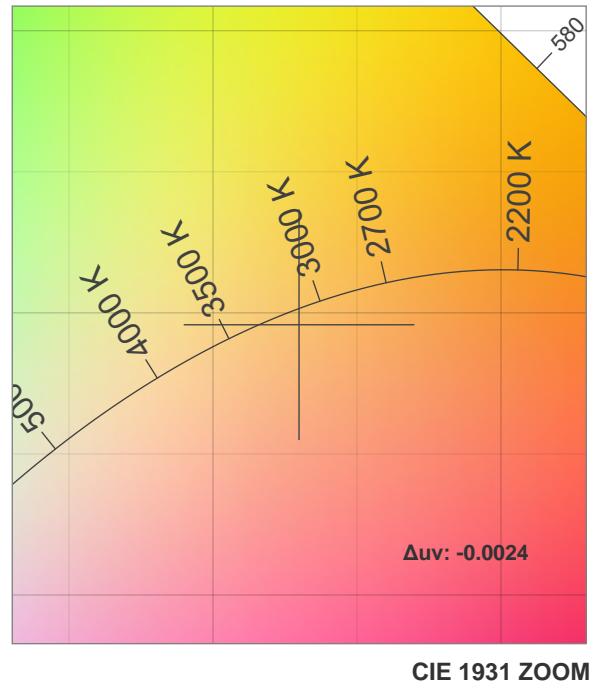
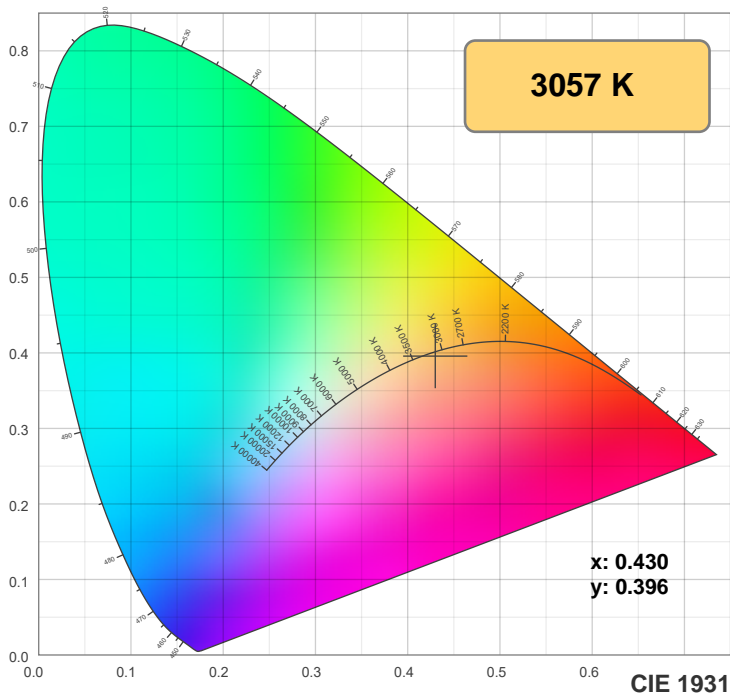
CIE 1931  
x: 0.430  
y: 0.396

Spectra

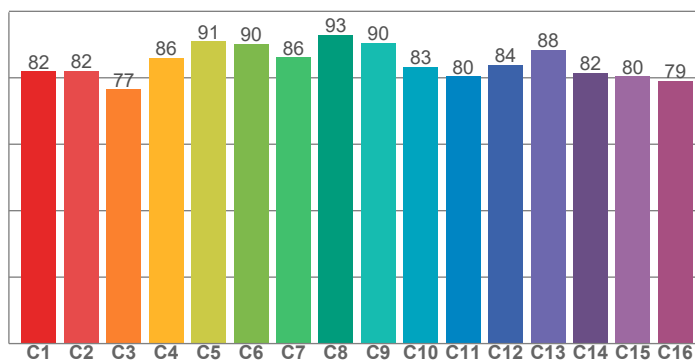


Power

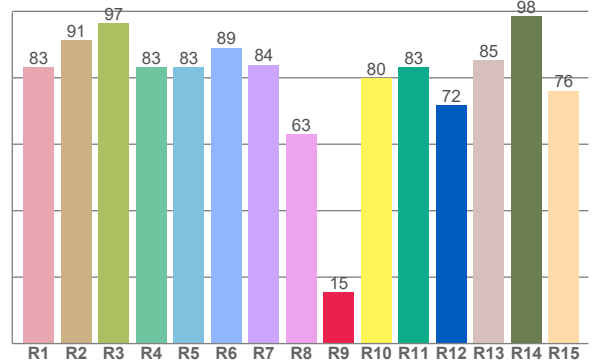




TM30: 84.6



CRI: 84.2 (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
83.2	91.3	96.5	83.2	83.2	89.1	84.0	63.0	15.5	79.8	83.3	71.8	85.2	98.4	76.1

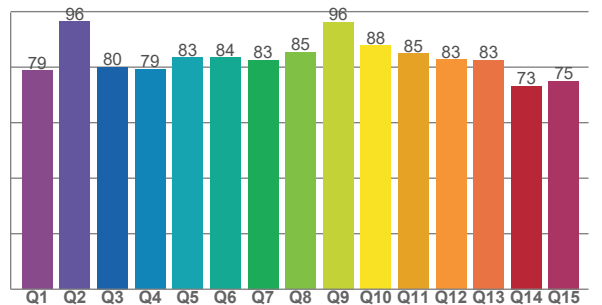
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	82.0	76.5	86.0	90.9	90.1	86.2	92.8	90.4	83.3	80.4	84.0	88.4	81.6	80.4	79.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	96.5	80.1	79.2	83.5	83.5	82.5	85.3	96.3	87.8	84.8	82.7	82.5	73.3	74.9

CQS: 82.2



## 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
3057 K	84.2	15.5	84.6	98.6	82.2	0.430	0.396	0.250	0.345	-0.0024

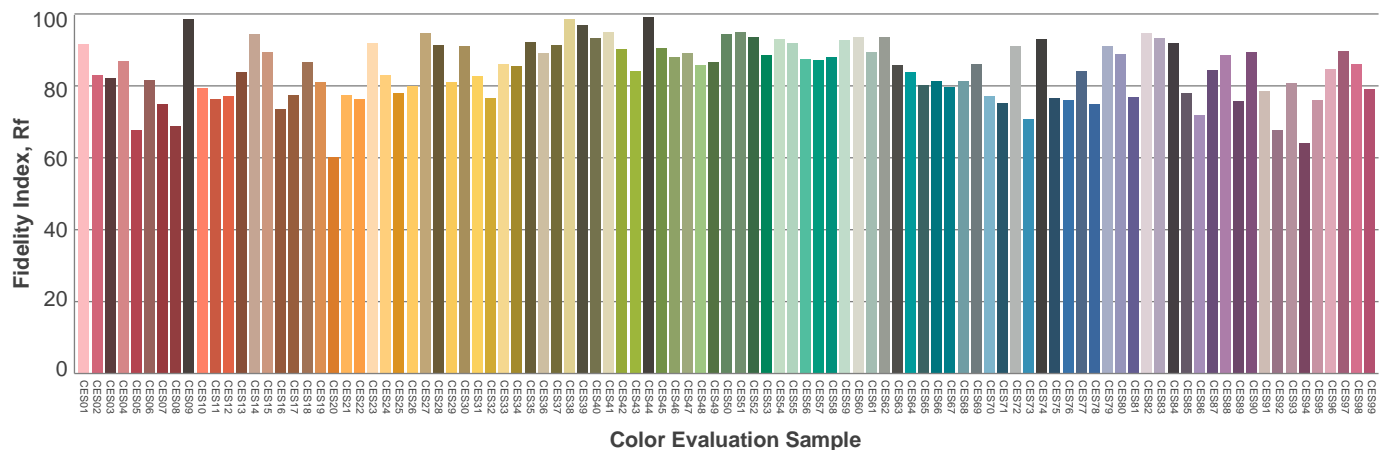
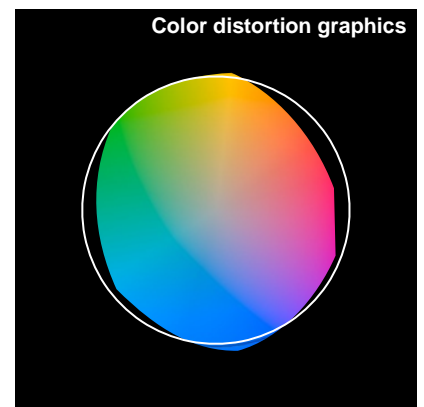
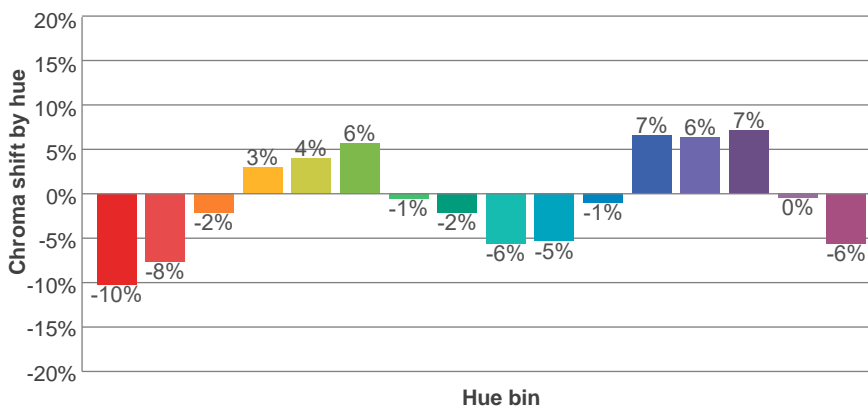
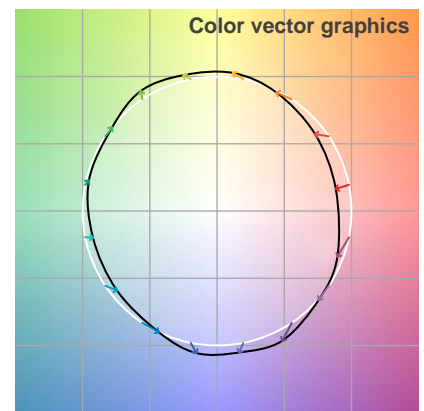
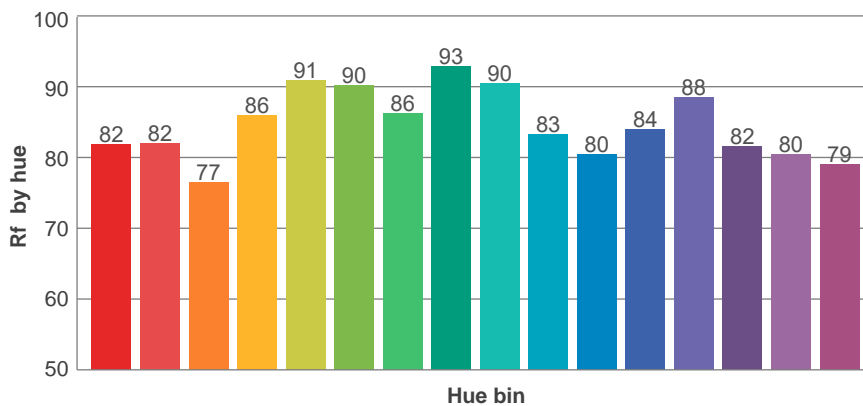
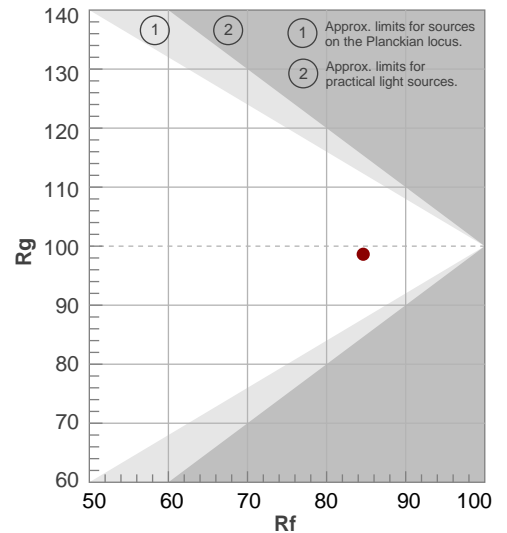
**Rf 84.6**

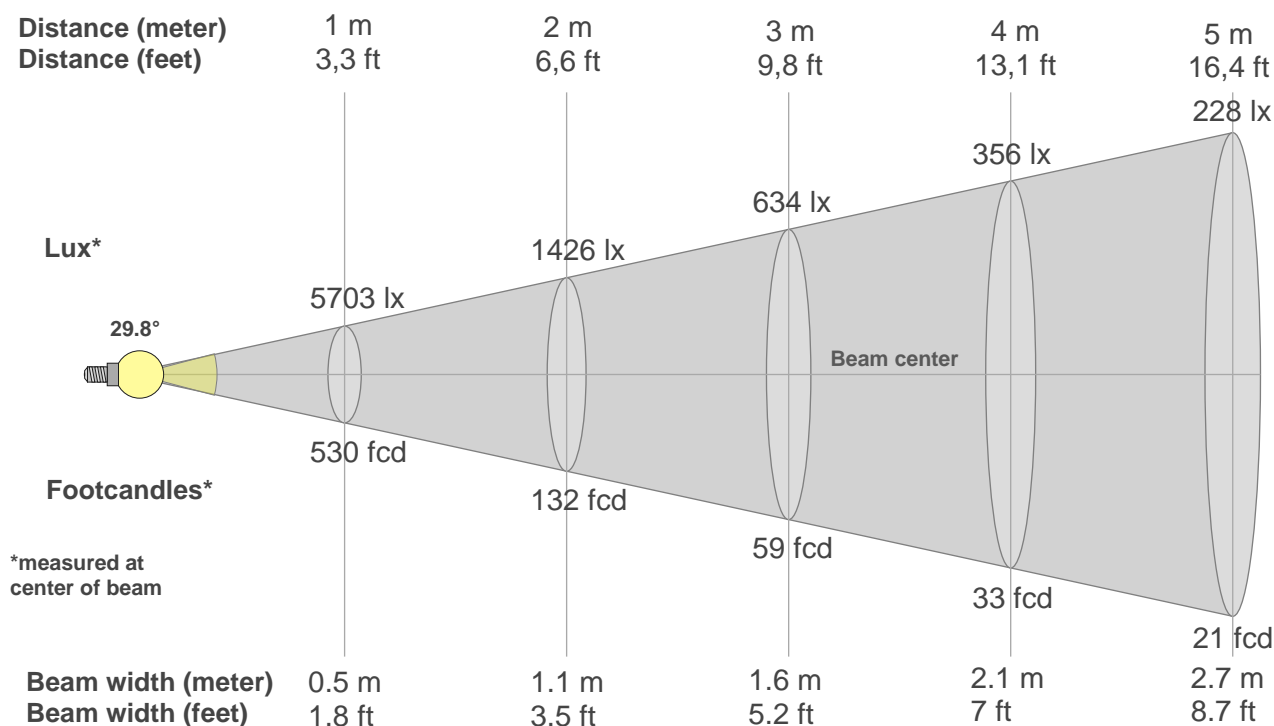
Fidelity index Rf

**Rg 98.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	77	-2%	12%
4	86	3%	8%
5	91	4%	5%
6	90	6%	-2%
7	86	-1%	-8%
8	93	-2%	-4%
9	90	-6%	1%
10	83	-5%	8%
11	80	-1%	14%
12	84	7%	6%
13	88	6%	-4%
14	82	7%	-13%
15	80	0%	-13%
16	79	-6%	-16%





#### 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
5703lx	1426lx	634lx	356lx	228lx	158lx	116lx	89lx	70lx	57lx	47lx	40lx	34lx	29lx	25lx	22lx	20lx	18lx	16lx	14lx
529.9fcd	132.5fcd	58.9fcd	33.1fcd	21.2fcd	14.7fcd	10.8fcd	8.3fcd	6.5fcd	5.3fcd	4.4fcd	3.7fcd	3.1fcd	2.7fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.5fcd	1.3fcd

#### 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°
5703	5607	5346	4966	4539	4063	3609	3083	2606	2178	1817	1513	1250	1050	873	727	544	352	206	92
100%	98%	94%	87%	80%	71%	63%	54%	46%	38%	32%	27%	22%	18%	15%	13%	10%	6%	4%	2%

#### 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°
5703	5570	5284	4889	4444	3975	3503	3026	2591	2151	1829	1508	1266	1069	918	772	594	404	224	110
100%	98%	93%	86%	78%	70%	61%	53%	45%	38%	32%	26%	22%	19%	16%	14%	10%	7%	4%	2%

#### 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°
5703	5585	5290	4883	4448	3972	3527	3083	2638	2251	1883	1609	1331	1125	962	817	652	442	277	137
100%	98%	93%	86%	78%	70%	62%	54%	46%	39%	33%	28%	23%	20%	17%	14%	11%	8%	5%	2%

#### 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°
5703	5600	5319	4893	4474	3975	3494	3037	2564	2169	1809	1515	1276	1072	912	758	605	419	244	116
100%	98%	93%	86%	78%	70%	61%	53%	45%	38%	32%	27%	22%	19%	16%	13%	11%	7%	4%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29.8°	64.8°	75°	99.6%	99.1%