

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 93.2

Color temperature:

3067 K

Output: 1144 lm

Peak: 2383 cd

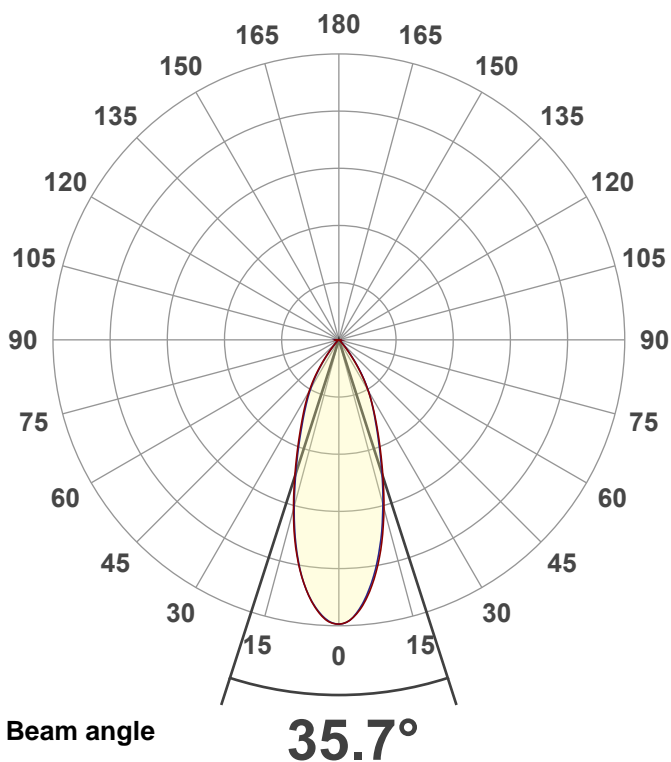
Power: 15.6 W

PF: 0.97



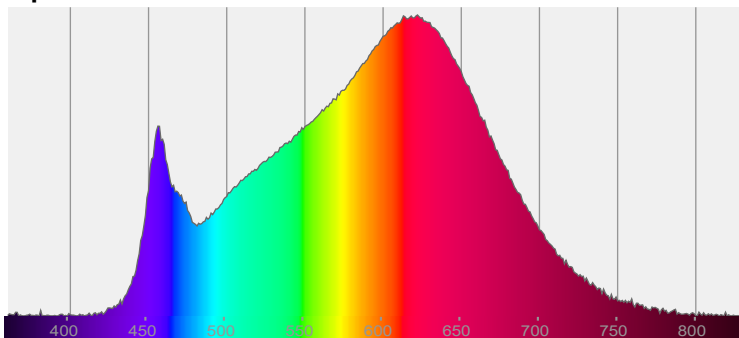
NU4-RD-TW-10LM-2765-95-35D-SBL-WH-WH

Date and time:  
3/29/2023 3:59:25 PM

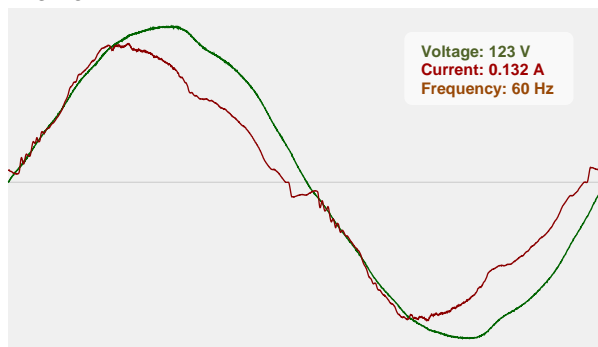


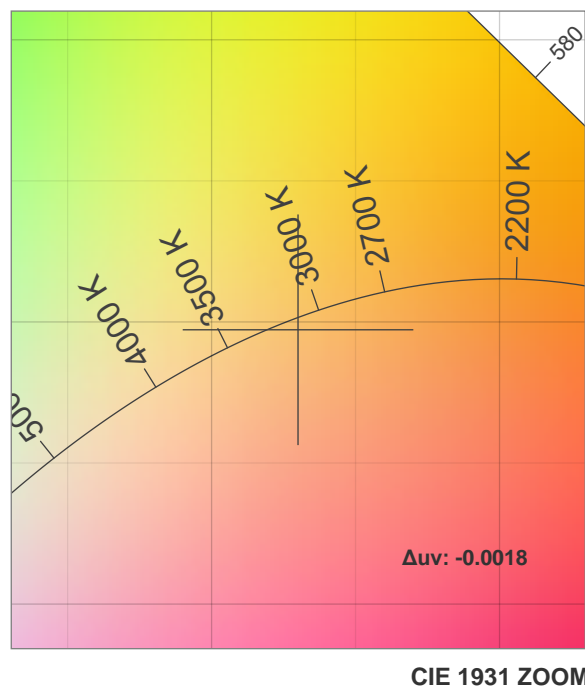
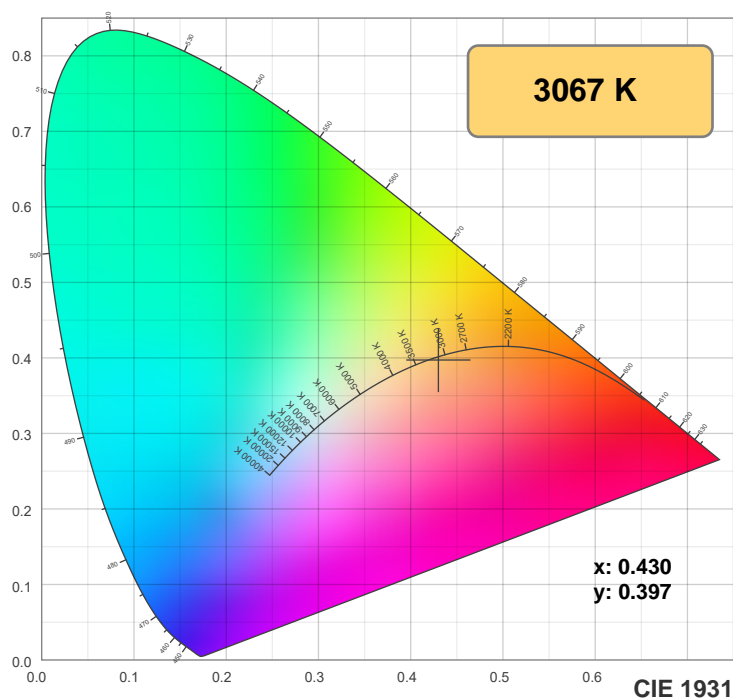
CIE 1931  
x: 0.430  
y: 0.397

Spectra

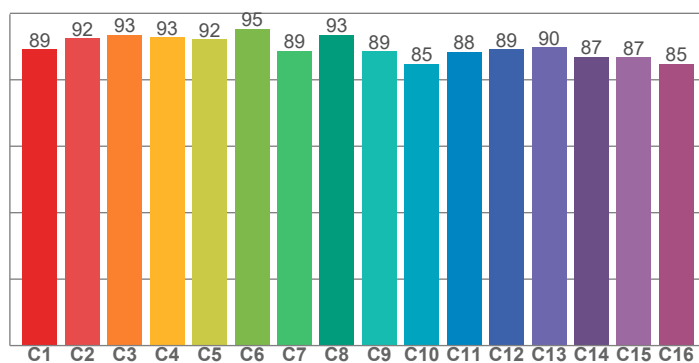


Power

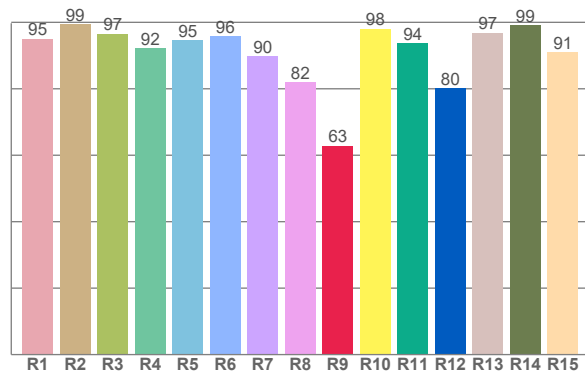




TM30: 90.0



CRI: 93.2 (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
95.0	99.4	96.6	92.3	94.5	95.9	89.9	82.0	62.9	98.1	93.7	80.2	96.9	99.1	91.0

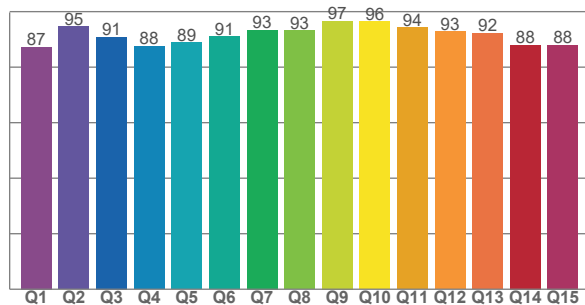
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.1	92.4	93.5	92.7	92.1	95.2	88.7	93.5	88.5	84.9	88.5	89.1	89.8	86.9	86.8	84.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.2	94.6	90.9	87.5	88.9	91.0	93.4	93.2	96.6	96.5	94.3	92.9	92.2	88.0	87.9

CQS: 91.0



## 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
3067 K	93.2	62.9	90.0	97.0	91.0	0.430	0.397	0.249	0.345	-0.0018

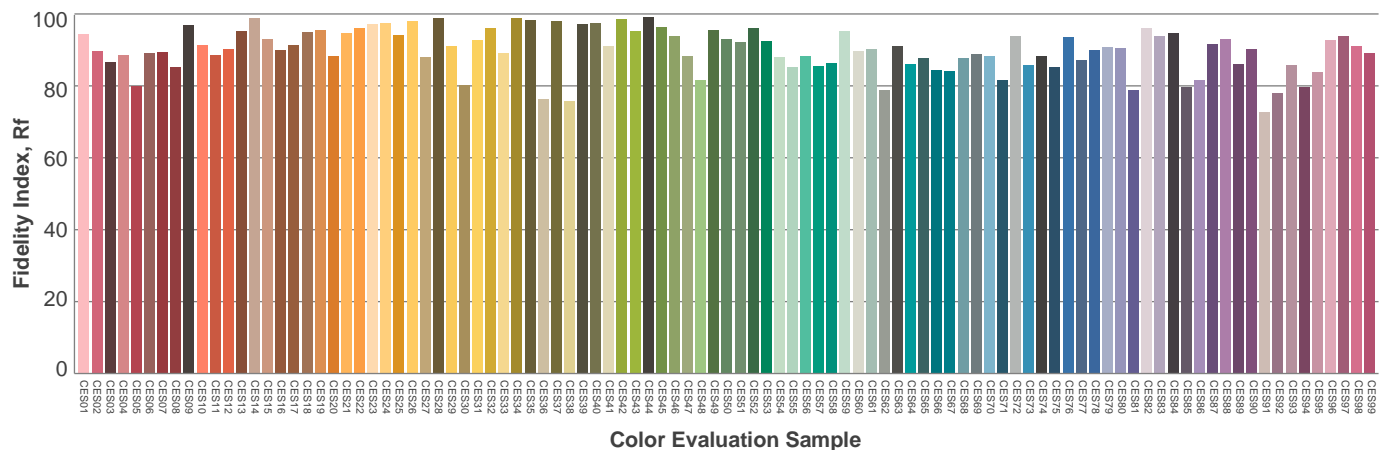
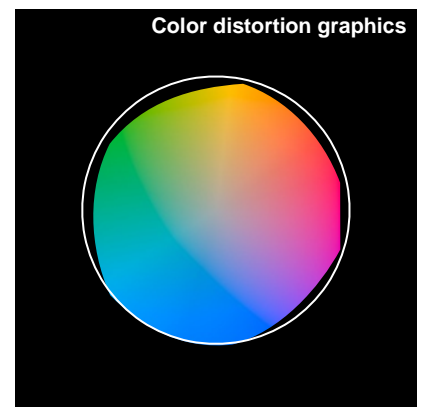
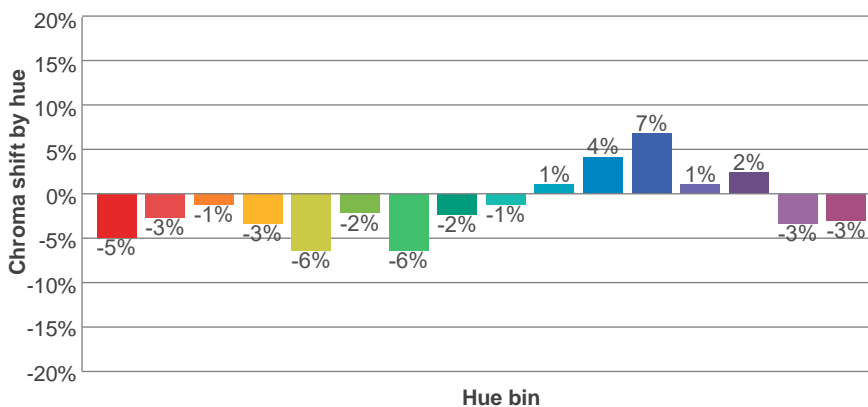
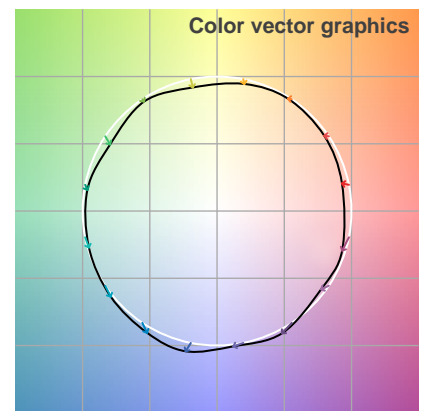
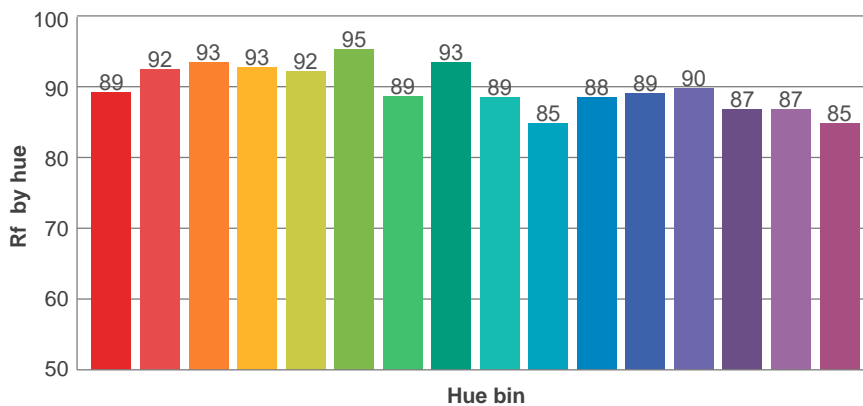
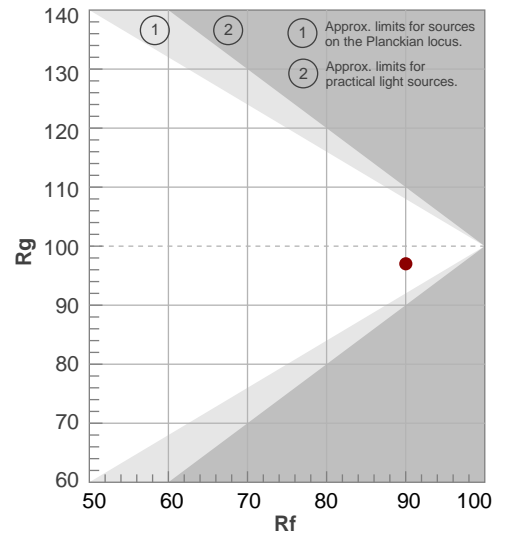
**Rf 90.0**

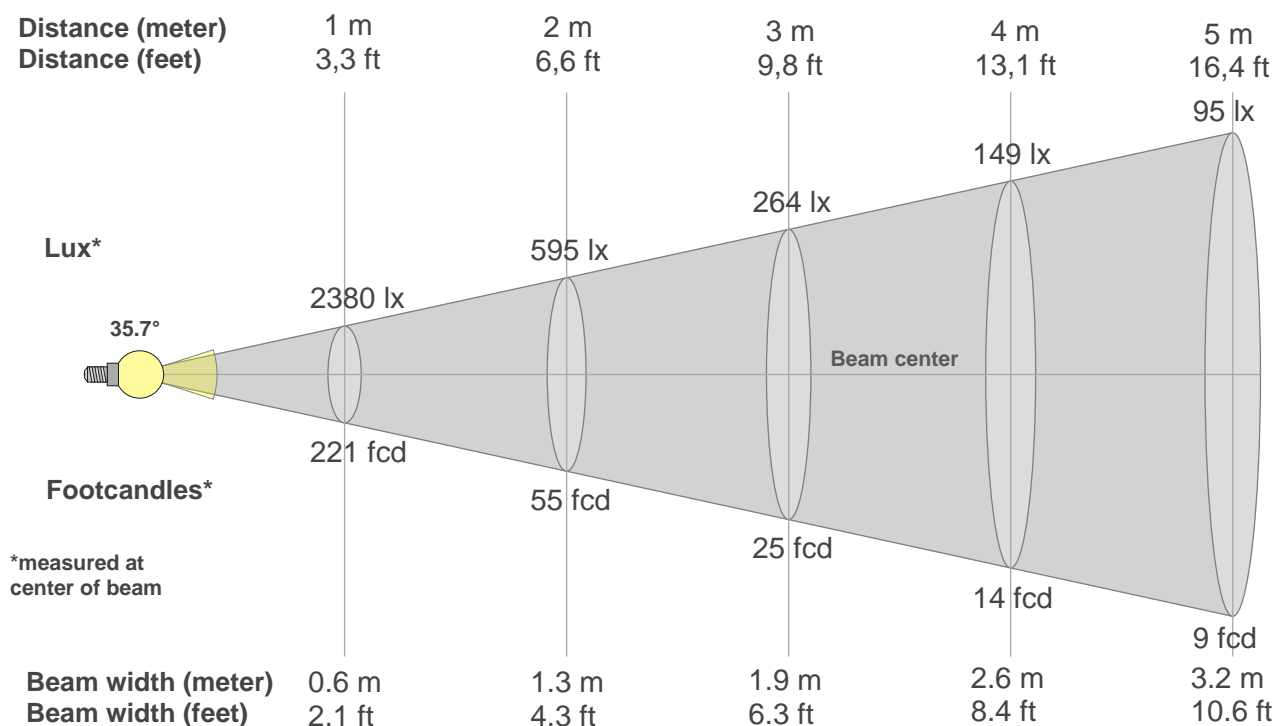
Fidelity index Rf

**Rg 97.0**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	89	-5%	2%
2	92	-3%	2%
3	93	-1%	3%
4	93	-3%	-1%
5	92	-6%	0%
6	95	-2%	0%
7	89	-6%	3%
8	93	-2%	3%
9	89	-1%	8%
10	85	1%	9%
11	88	4%	7%
12	89	7%	-3%
13	90	1%	-8%
14	87	2%	-10%
15	87	-3%	-5%
16	85	-3%	-11%





#### 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
2380lx	595lx	264lx	149lx	95lx	66lx	49lx	37lx	29lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
221.1fcd	55.3fcd	24.6fcd	13.8fcd	8.8fcd	6.1fcd	4.5fcd	3.5fcd	2.7fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

#### 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°
2380	2358	2287	2185	2053	1900	1732	1551	1369	1193	1035	896	778	673	580	490	402	312	229	155
100%	99%	96%	92%	86%	80%	73%	65%	58%	50%	44%	38%	33%	28%	24%	21%	17%	13%	10%	7%

#### 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°
2380	2354	2280	2165	2028	1870	1698	1515	1339	1167	1010	875	758	662	576	493	409	322	237	163
100%	99%	96%	91%	85%	79%	71%	64%	56%	49%	42%	37%	32%	28%	24%	21%	17%	14%	10%	7%

#### 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°
2380	2363	2300	2200	2073	1924	1753	1566	1374	1194	1032	892	772	674	585	498	412	324	239	165
100%	99%	97%	92%	87%	81%	74%	66%	58%	50%	43%	37%	32%	28%	25%	21%	17%	14%	10%	7%

#### 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°
2380	2358	2292	2197	2070	1915	1738	1545	1349	1167	1005	862	745	644	556	471	386	299	217	145
100%	99%	96%	92%	87%	80%	73%	65%	57%	49%	42%	36%	31%	27%	23%	20%	16%	13%	9%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.7°	71.6°	84.3°	99.5%	98.0%