

Light efficiency:

41 Lumen/Watt

Light quality:

CRI: 95.4

Color temperature:

2988 K

Output: 768 lm

Peak: 6300 cd

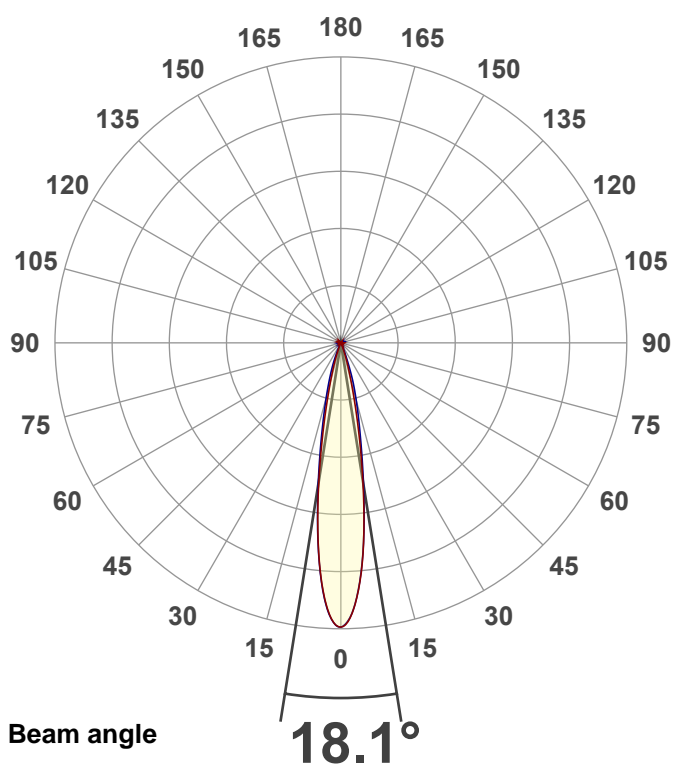
Power: 18.6 W

PF: 0.97



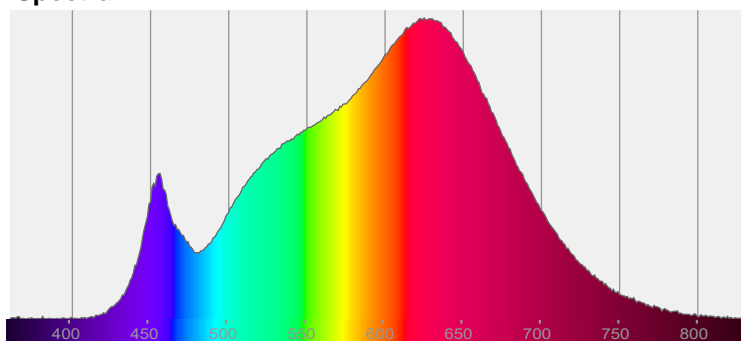
NU4-RAPH-WD-15LM-3018-97-15D-SBL-WH

Date and time:
12/22/2021 12:24:43 PM

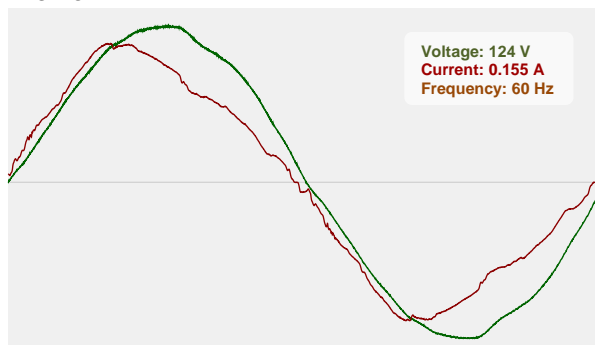


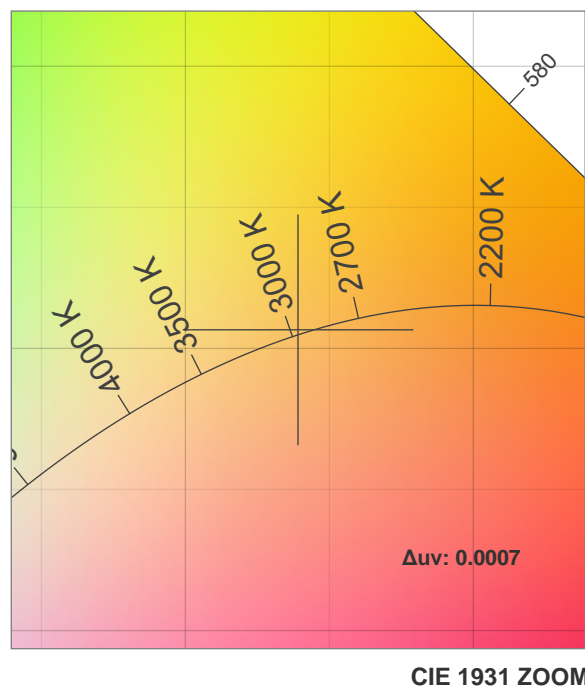
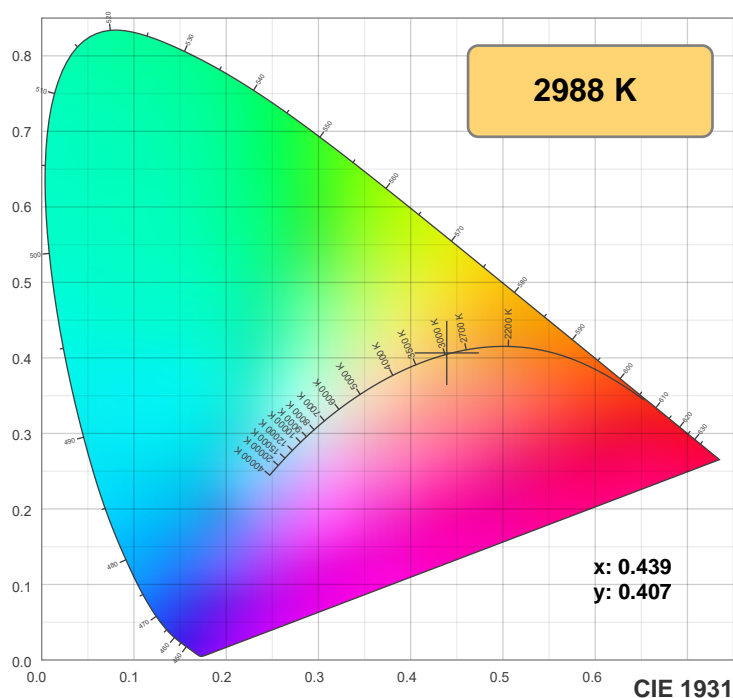
CIE 1931
x: 0.439
y: 0.407

Spectra

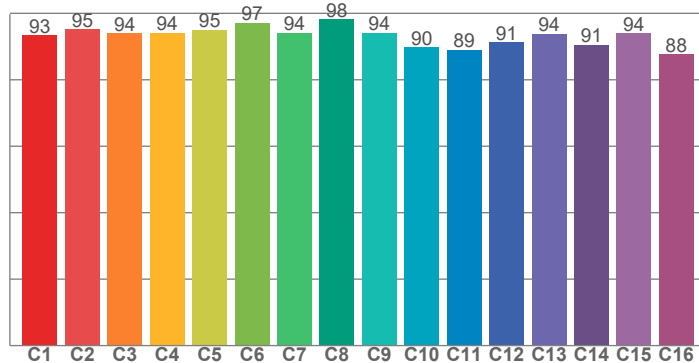


Power

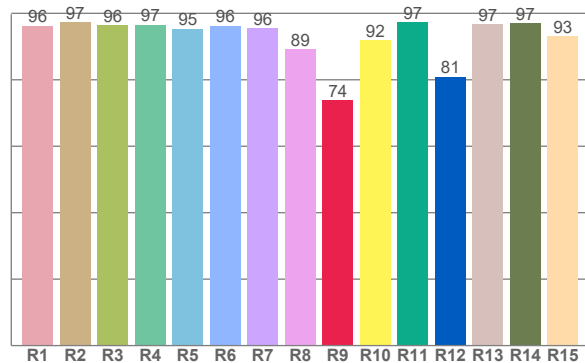




TM30: 93.1



CRI: 95.4 (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
96.3	97.3	96.5	96.6	95.4	96.3	95.6	89.1	73.9	91.9	97.3	80.9	96.7	97.1	93.1

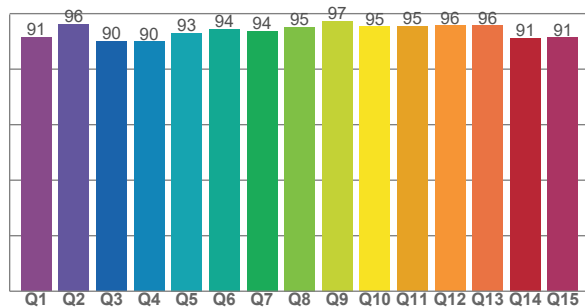
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.4	95.1	93.9	94.0	95.0	97.1	94.1	98.2	94.1	89.7	89.1	91.2	93.8	90.6	94.0	87.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
91.5	96.3	90.0	90.0	93.1	94.4	93.8	95.1	97.3	95.3	95.5	95.8	95.7	91.3	91.4

CQS: 93.2



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
2988 K	95.4	73.9	93.1	99.4	93.2	0.439	0.407	0.251	0.348	0.0007

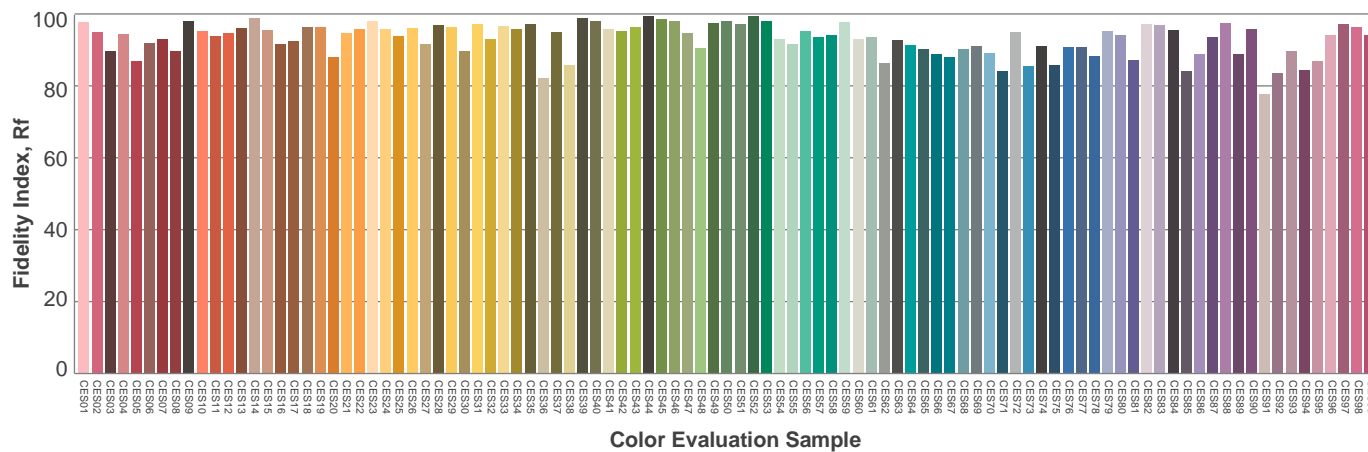
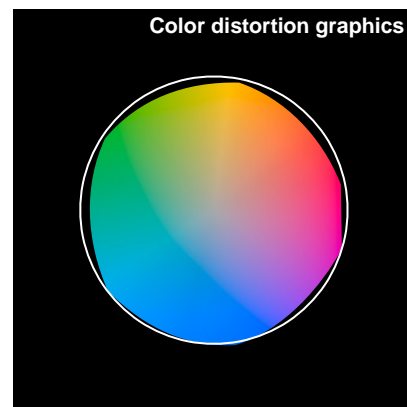
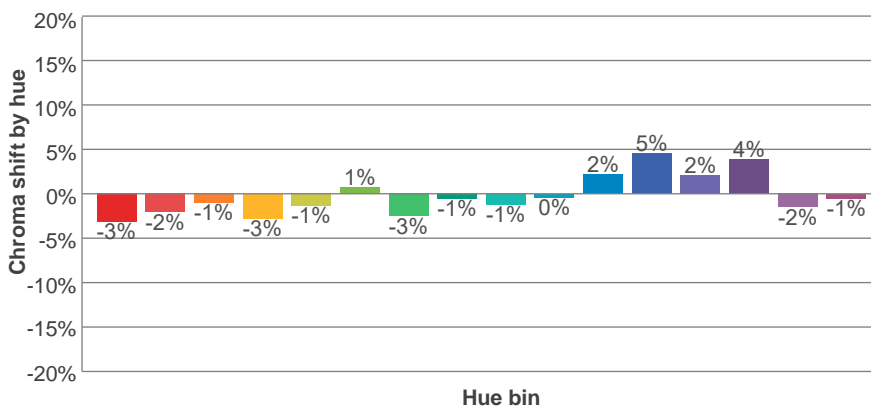
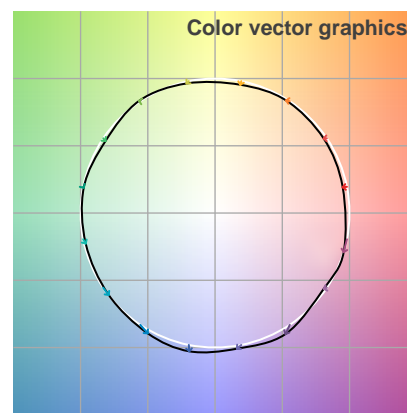
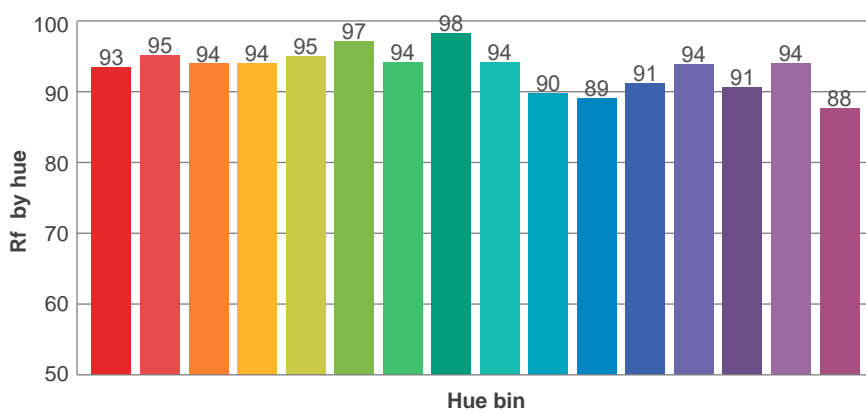
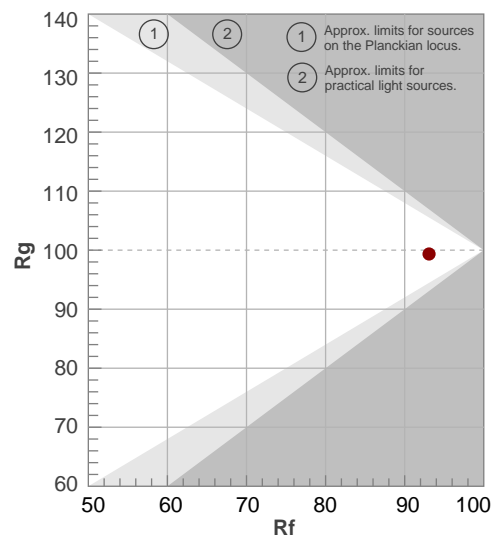
Rf 93.1

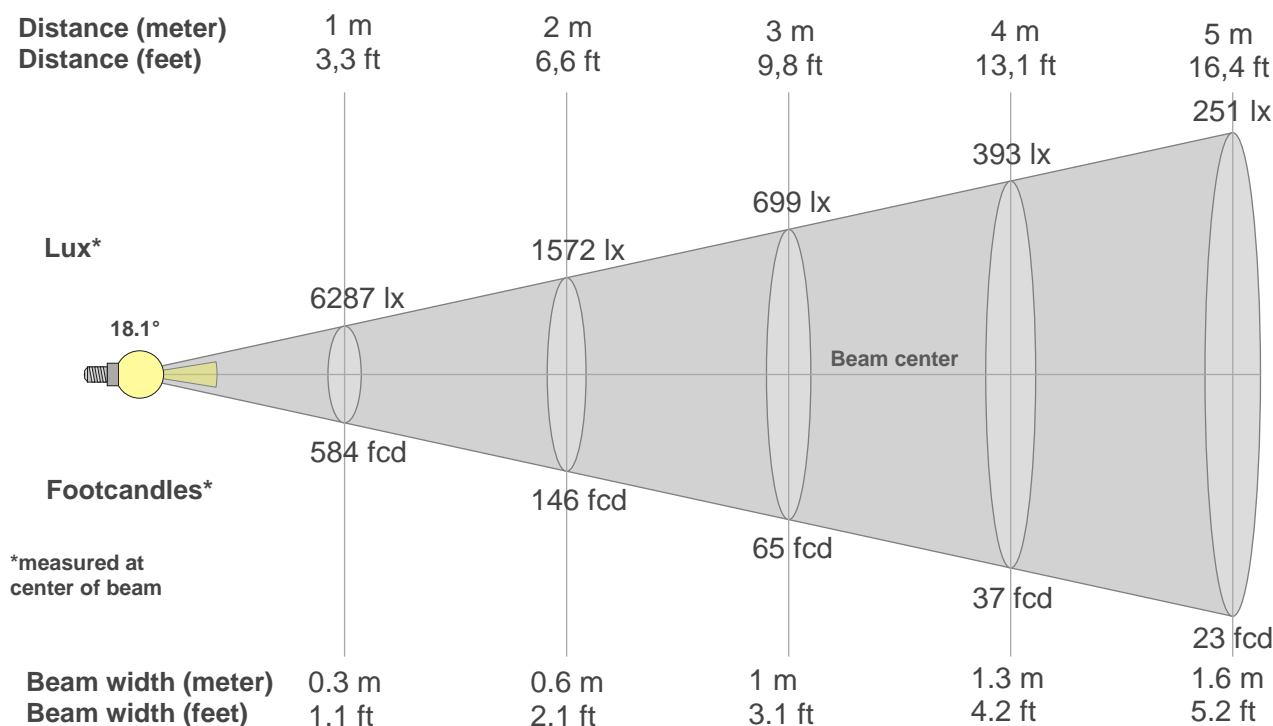
Fidelity index R_f

Rg 99.4

Gammut index Rg

		Graphic shifts (%)	
Hue Bin	R_i	Chroma	Hue
1	93	-3%	0%
2	95	-2%	1%
3	94	-1%	3%
4	94	-3%	0%
5	95	-1%	2%
6	97	1%	1%
7	94	-3%	1%
8	98	-1%	1%
9	94	-1%	3%
10	90	0%	7%
11	89	2%	8%
12	91	5%	1%
13	94	2%	-4%
14	91	4%	-6%
15	94	-2%	-2%
16	88	-1%	-10%





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
6287lx	1572lx	699lx	393lx	251lx	175lx	128lx	98lx	78lx	63lx	52lx	44lx	37lx	32lx	28lx	25lx	22lx	19lx	17lx	16lx
584.1fcd	146fcd	64.9fcd	36.5fcd	23.4fcd	16.2fcd	11.9fcd	9.1fcd	7.2fcd	5.8fcd	4.8fcd	4.1fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6287	6230	6072	5825	5507	5128	4685	4184	3655	3128	2624	2159	1747	1388	1088	846	663	515	397	291
100%	99%	97%	93%	88%	82%	75%	67%	58%	50%	42%	34%	28%	22%	17%	13%	11%	8%	6%	5%

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°
6287	6218	6064	5822	5497	5111	4675	4192	3697	3225	2777	2386	2052	1774	1530	1314	1125	949	765	584
100%	99%	96%	93%	87%	81%	74%	67%	59%	51%	44%	38%	33%	28%	24%	21%	18%	15%	12%	9%

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°
6287	6246	6102	5861	5539	5144	4687	4183	3654	3129	2615	2149	1750	1402	1114	884	700	549	415	300
100%	99%	97%	93%	88%	82%	75%	67%	58%	50%	42%	34%	28%	22%	18%	14%	11%	9%	7%	5%

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°
6287	6249	6107	5877	5554	5157	4703	4213	3712	3227	2775	2370	2019	1721	1468	1252	1062	899	754	630
100%	99%	97%	93%	88%	82%	75%	67%	59%	51%	44%	38%	32%	27%	23%	20%	17%	14%	12%	10%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.1°	35.1°	44.3°	99.7%	99.5%