

Light efficiency:

59 Lumen/Watt

Light quality:

CRI: 95.7

Color temperature:

3170 K

Output: 2324 lm

Peak: 2710 cd

Power: 39.3 W

PF: 0.99

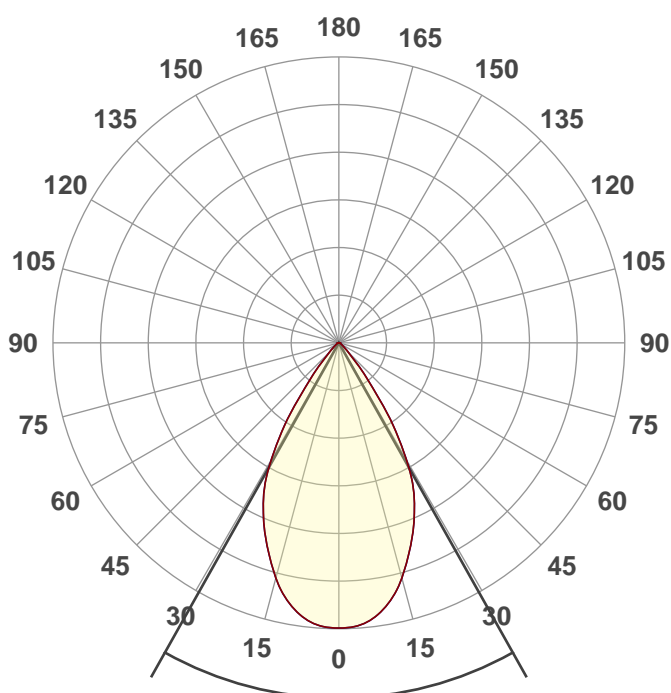


Product name:

NU4-RD-WD-30LM-3018-97-  
SS60-120-DIM10-NC-WH-WH

Date and time:

6/11/2018 1:45:17 PM



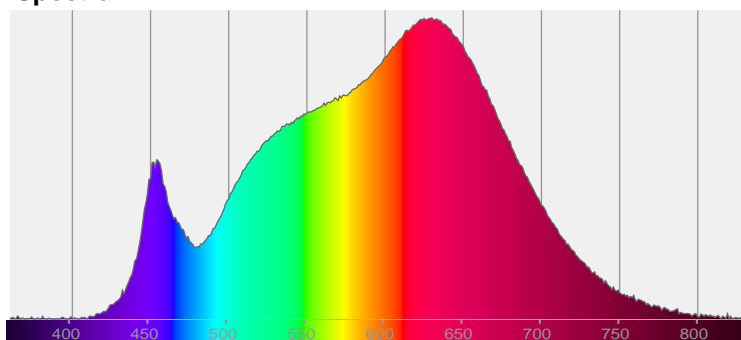
Beam angle

58.6°

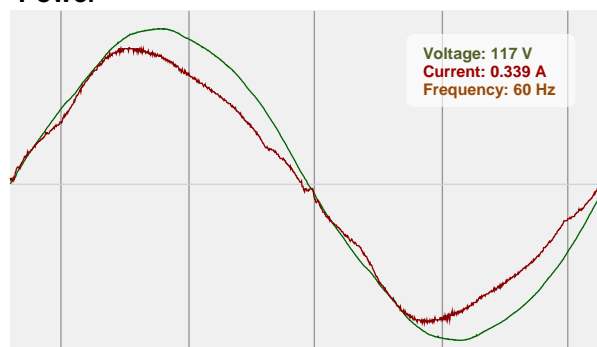


CIE 1931  
x: 0.429  
y: 0.408

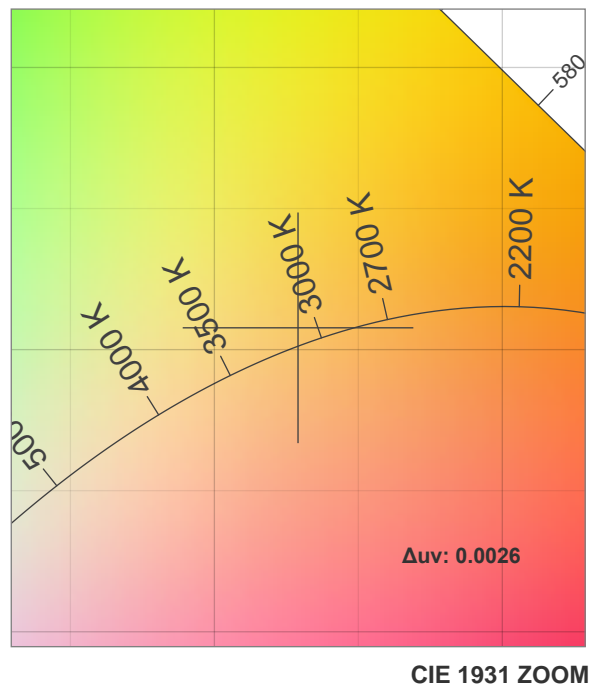
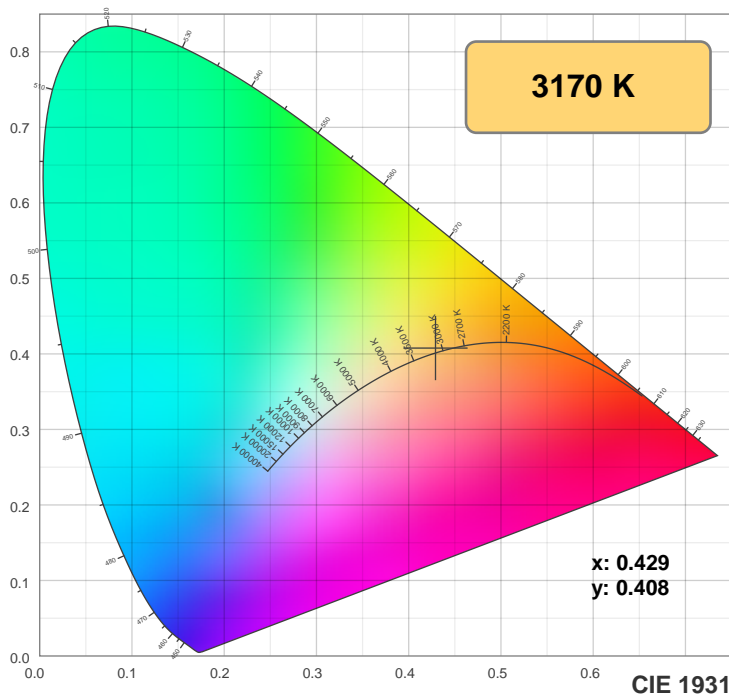
Spectra



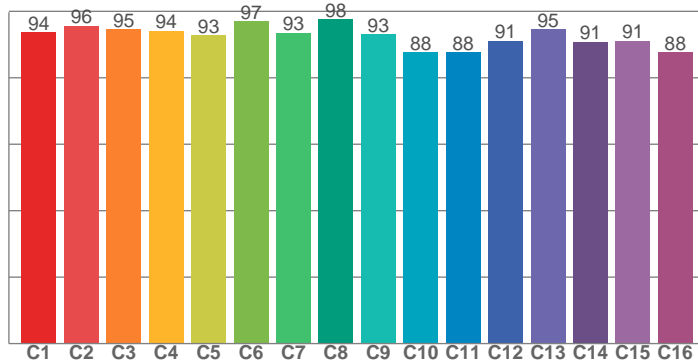
Power



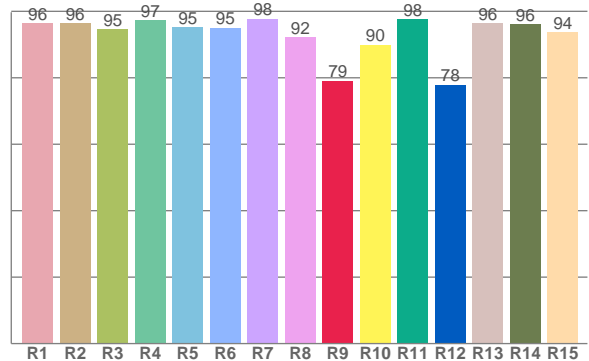
## Color details



**TM30: 92.6**



**CRI: 95.7 (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
96.5	96.3	94.7	97.4	95.2	95.1	97.8	92.2	79.1	90.0	97.7	77.9	96.4	96.2	93.8

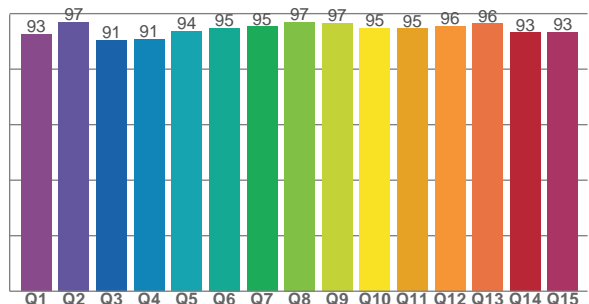
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.7	95.7	94.5	94.0	92.7	96.9	93.5	97.5	93.1	87.6	87.6	91.1	94.6	90.8	91.1	87.6

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.5	97.0	90.5	90.7	93.6	94.8	95.4	97.0	96.7	94.9	94.7	95.6	96.5	93.1	93.3

**CQS: 94.0**



## 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
3170 K	95.7	79.1	92.6	99.3	94.0	0.429	0.408	0.244	0.348	0.0026

## TM30 details

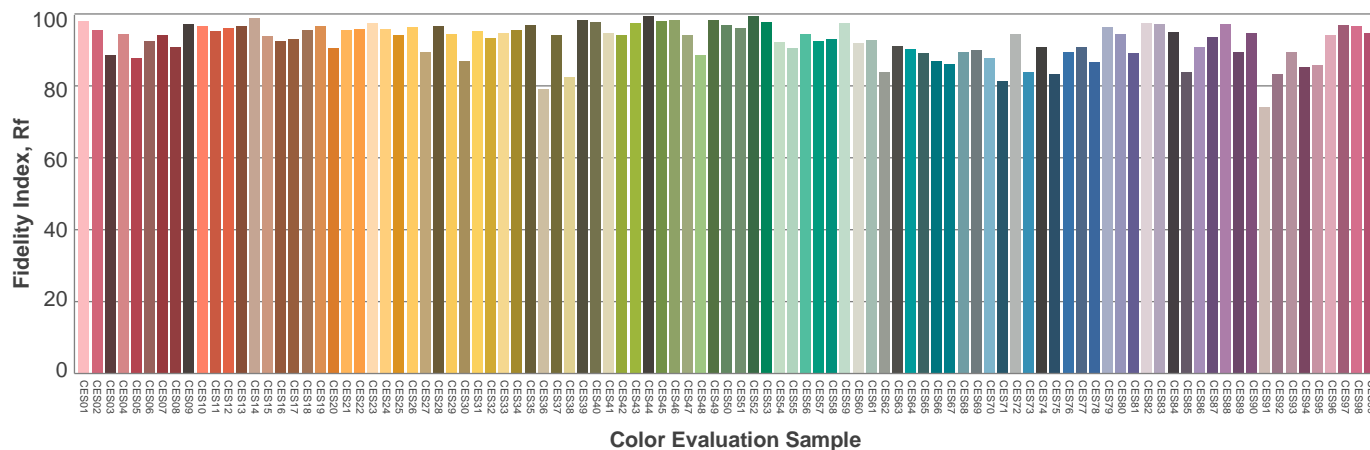
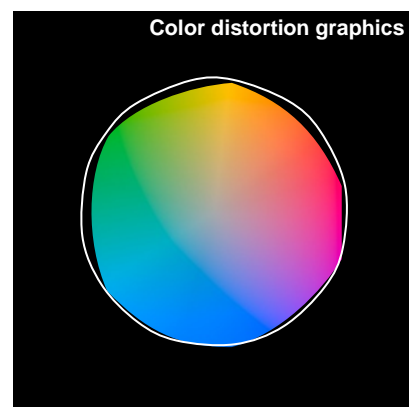
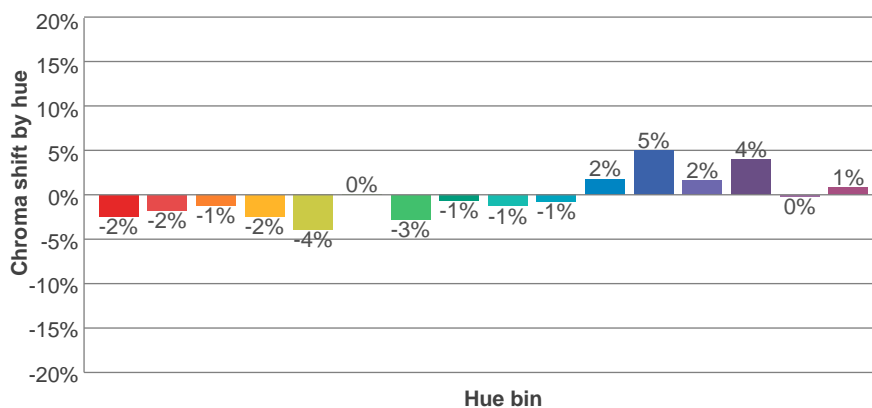
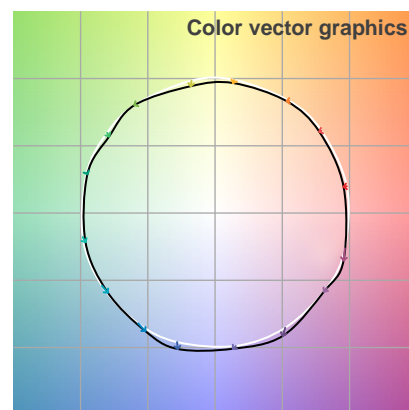
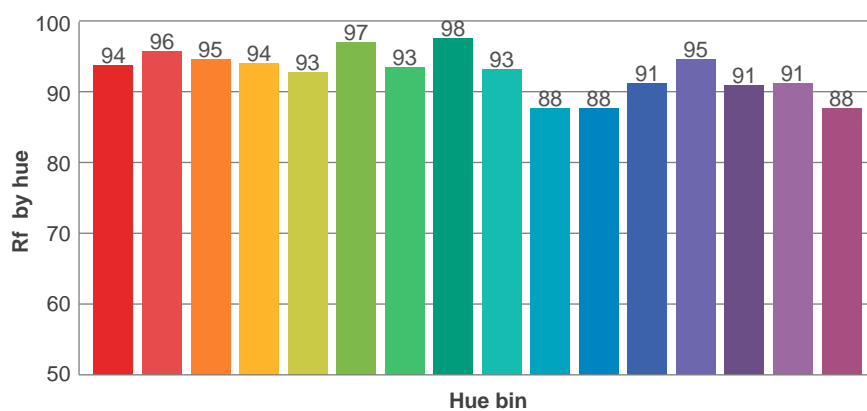
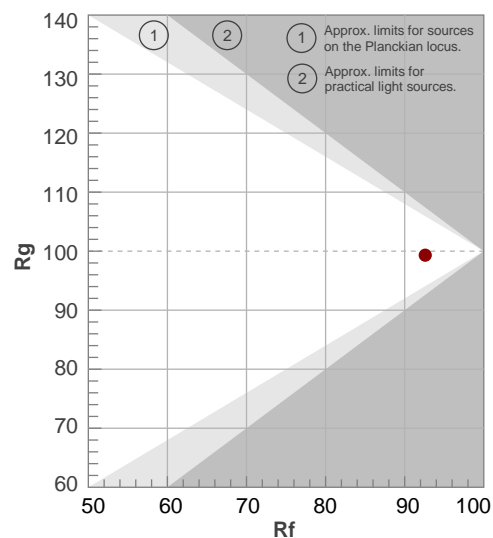
**Rf 92.6**

Fidelity index Rf

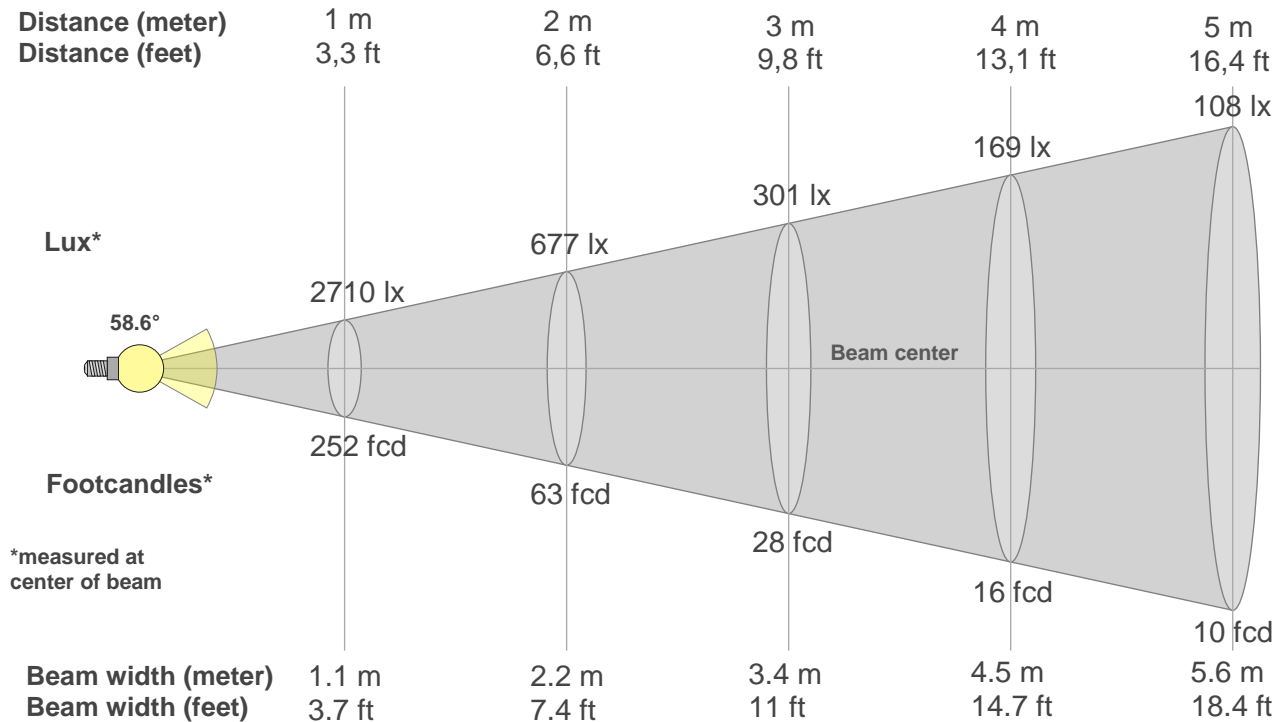
**Rg 99.3**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	0%
2	96	-2%	0%
3	95	-1%	2%
4	94	-2%	0%
5	93	-4%	1%
6	97	0%	1%
7	93	-3%	1%
8	98	-1%	1%
9	93	-1%	4%
10	88	-1%	7%
11	88	2%	8%
12	91	5%	1%
13	95	2%	-3%
14	91	4%	-5%
15	91	0%	-3%
16	88	1%	-9%



## Beam details



### 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
2710lx	677lx	301lx	169lx	108lx	75lx	55lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx	7lx
251.8fcd	62.9fcd	28fcd	15.7fcd	10.1fcd	7fcd	5.1fcd	3.9fcd	3.1fcd	2.5fcd	2.1fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	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°
2710	2710	2695	2658	2621	2546	2467	2374	2257	2140	2018	1896	1766	1623	1481	1285	1080	875	670	466
100%	100%	99%	98%	97%	94%	91%	88%	83%	79%	74%	70%	65%	60%	55%	47%	40%	32%	25%	17%

### 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°
2710	2710	2695	2658	2621	2546	2467	2374	2257	2140	2018	1896	1766	1623	1481	1285	1080	875	670	466
100%	100%	99%	98%	97%	94%	91%	88%	83%	79%	74%	70%	65%	60%	55%	47%	40%	32%	25%	17%

### 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°
2710	2710	2695	2658	2621	2546	2467	2374	2257	2140	2018	1896	1766	1623	1481	1285	1080	875	670	466
100%	100%	99%	98%	97%	94%	91%	88%	83%	79%	74%	70%	65%	60%	55%	47%	40%	32%	25%	17%

### 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°
2710	2710	2695	2658	2621	2546	2467	2374	2257	2140	2018	1896	1766	1623	1481	1285	1080	875	670	466
100%	100%	99%	98%	97%	94%	91%	88%	83%	79%	74%	70%	65%	60%	55%	47%	40%	32%	25%	17%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58.6°	82.6°	100.5°	98.8%	95.5%