

Light efficiency:

61 Lumen/Watt

Light quality:

CRI: 95.6

Color temperature:

3166 K

Output: 2393 lm

Peak: 1452 cd

Power: 39.2 W

PF: 0.99

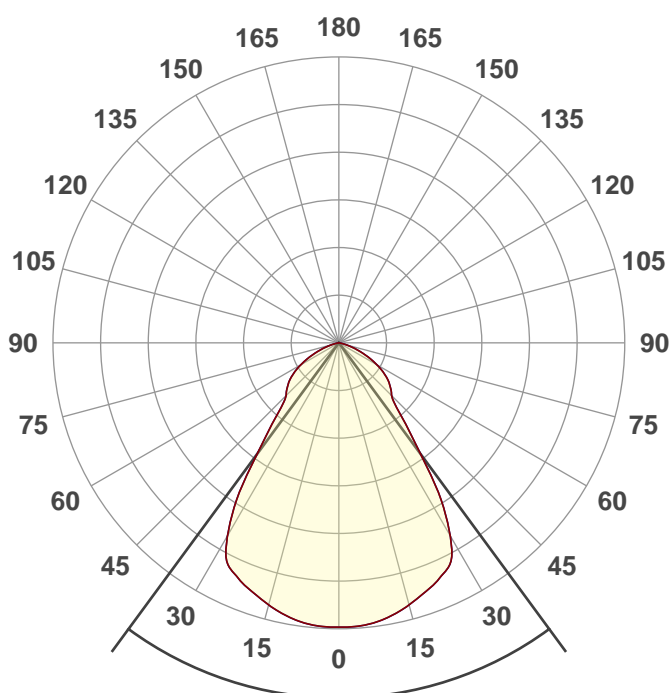


Product name:

NU4-RD-WD-30LM-3018-97-WH80-120-DIM10-NC-WH-WH

Date and time:

6/11/2018 1:17:26 PM



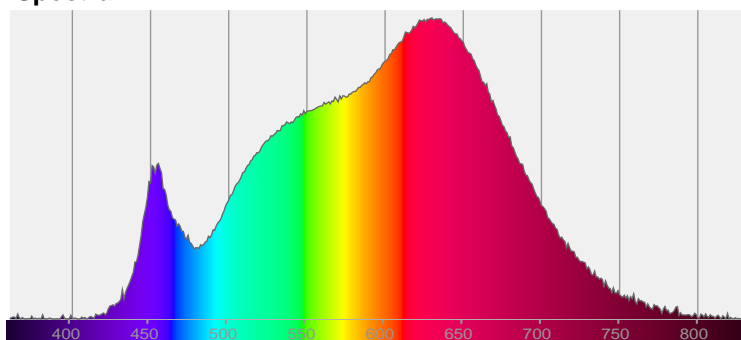
Beam angle

72.6°

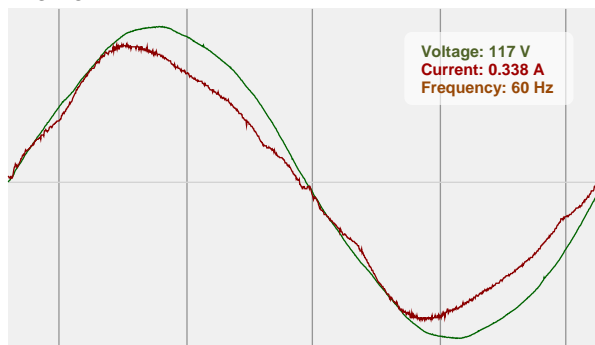


CIE 1931  
x: 0.430  
y: 0.410

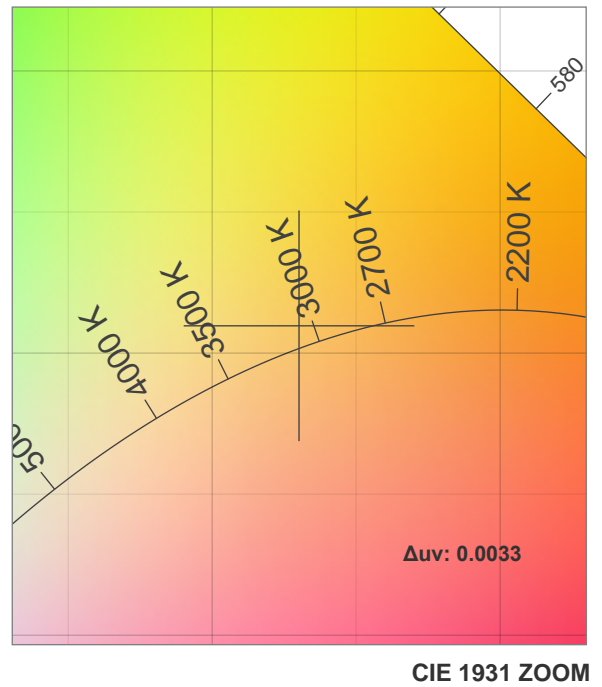
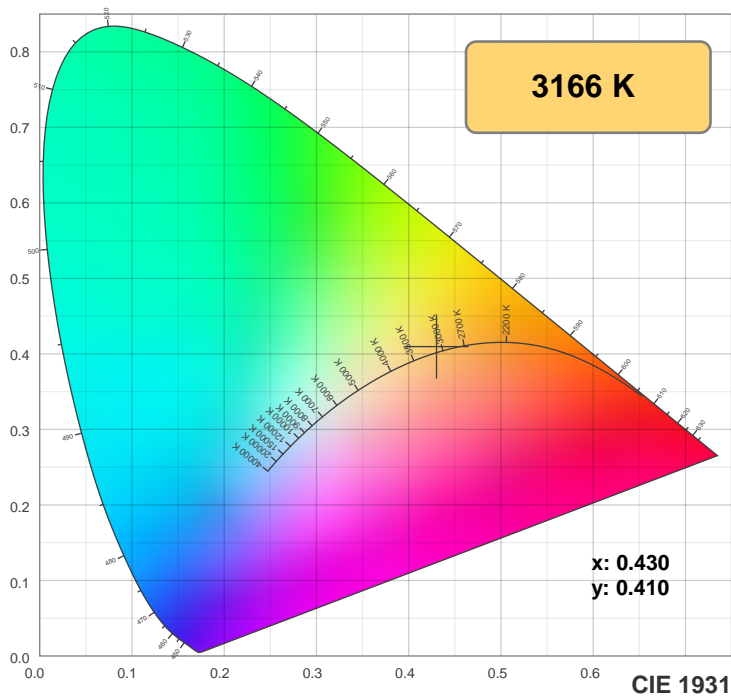
Spectra



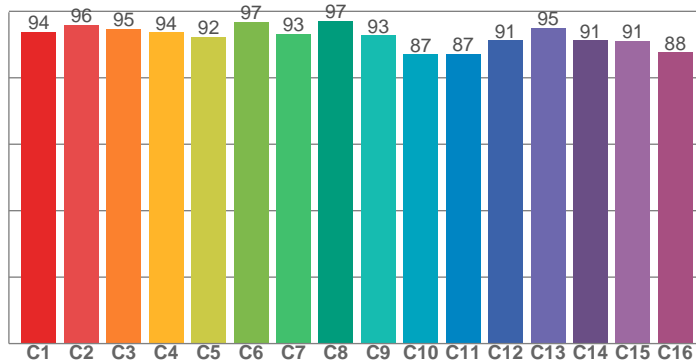
Power



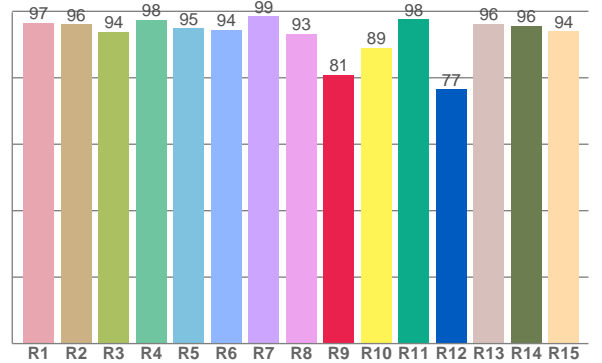
## Color details



**TM30: 92.5**



**CRI: 95.6 (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	96.0	93.9	97.5	95.0	94.5	98.5	93.3	80.9	89.1	97.6	76.6	96.2	95.7	94.0

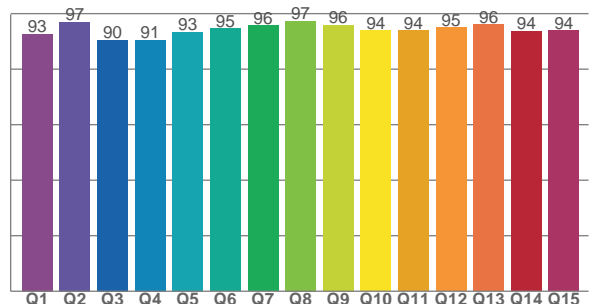
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.9	95.9	94.7	93.6	92.3	96.8	93.2	97.1	92.8	87.0	87.2	91.2	95.0	91.2	91.2	87.7

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.7	97.0	90.4	90.6	93.4	94.6	95.6	97.4	96.0	93.9	93.9	94.9	96.1	93.7	93.9

**CQS: 93.8**



## 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	$\Delta uv$
3166 K	95.6	80.9	92.5	99.2	93.8	0.430	0.410	0.244	0.348	0.0033

## TM30 details

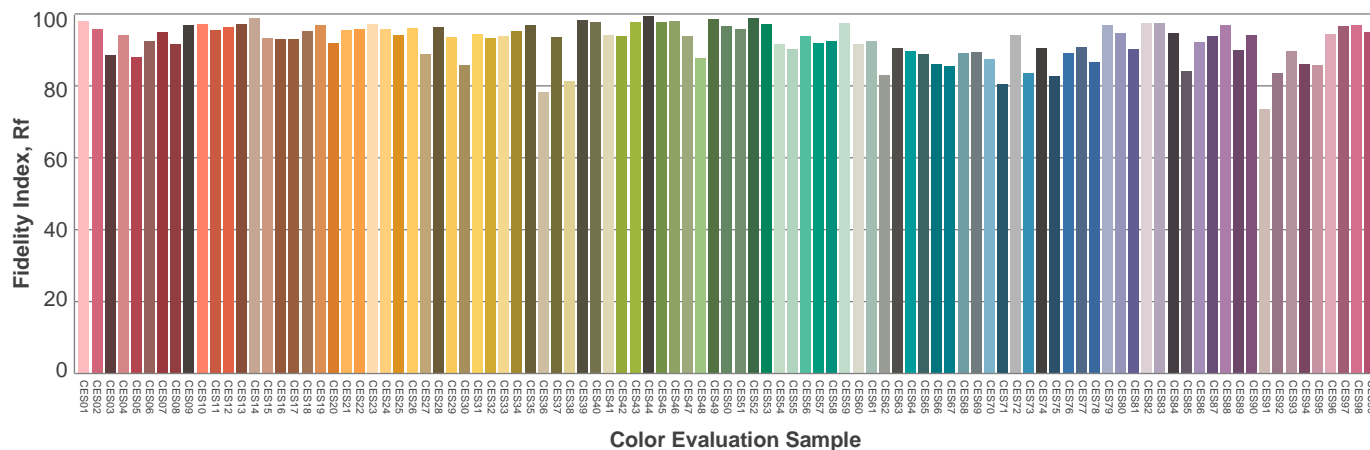
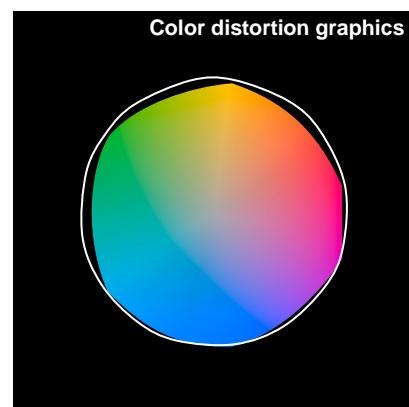
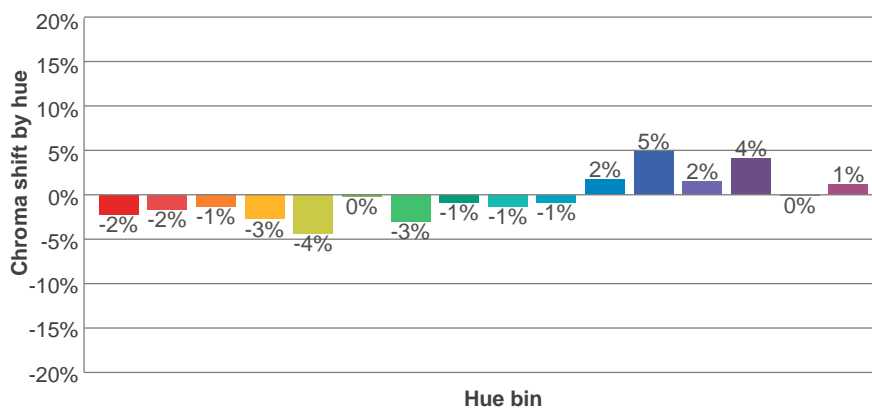
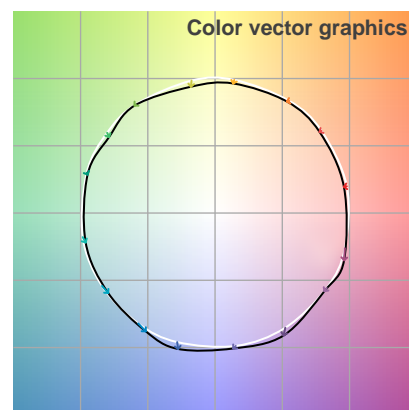
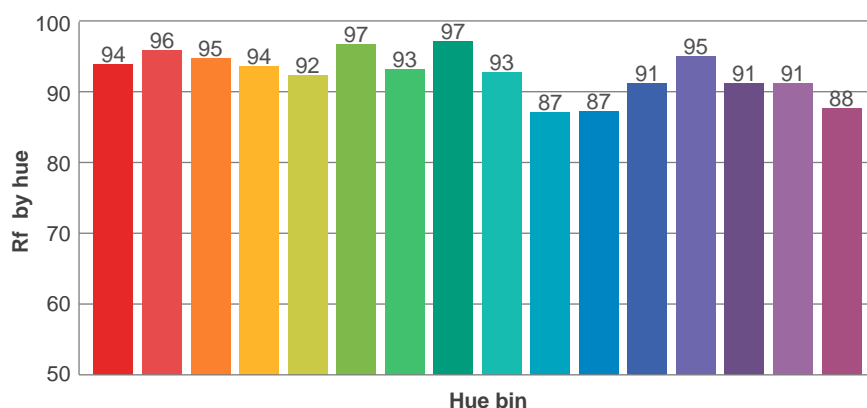
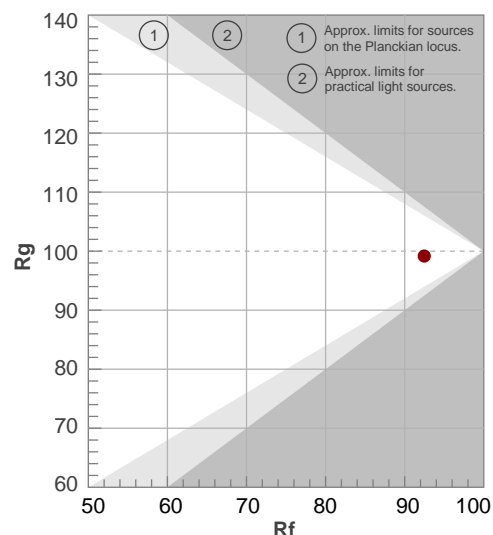
**Rf 92.5**

Fidelity index Rf

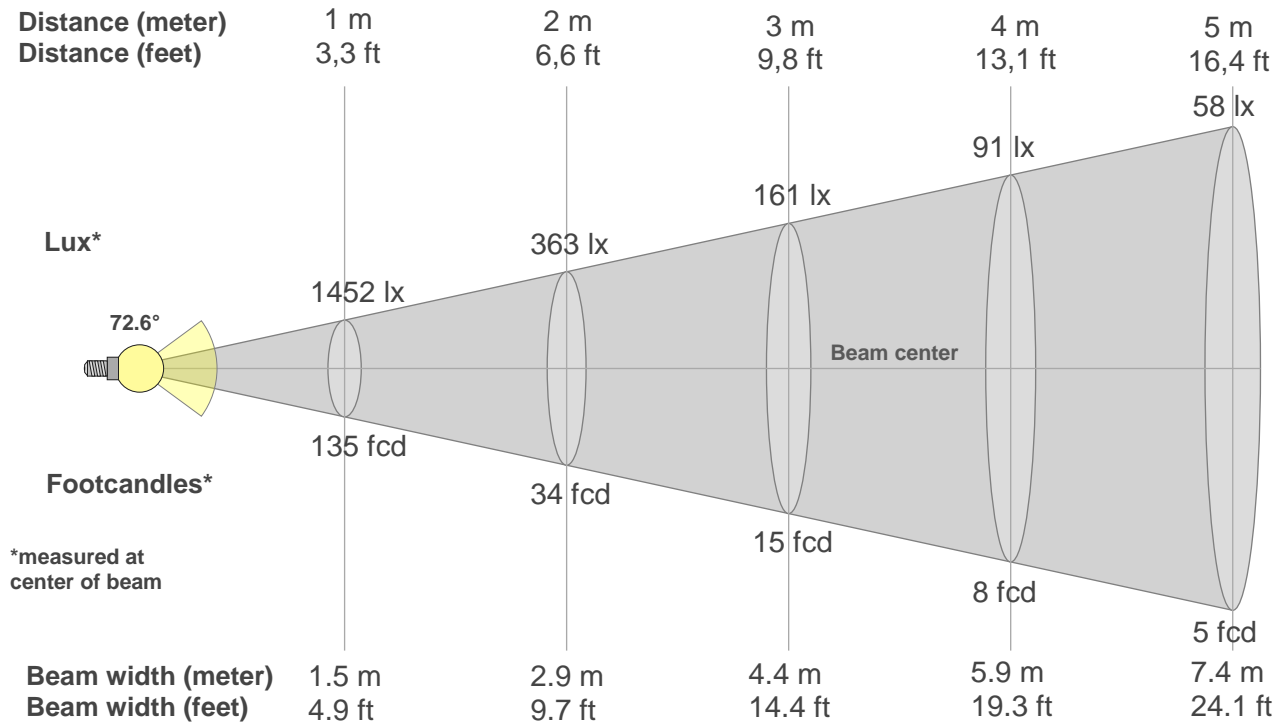
**Rg 99.2**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	0%
2	96	-2%	0%
3	95	-1%	1%
4	94	-3%	0%
5	92	-4%	1%
6	97	0%	1%
7	93	-3%	2%
8	97	-1%	1%
9	93	-1%	4%
10	87	-1%	7%
11	87	2%	8%
12	91	5%	2%
13	95	2%	-2%
14	91	4%	-4%
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
1452lx	363lx	161lx	91lx	58lx	40lx	30lx	23lx	18lx	15lx	12lx	10lx	9lx	7lx	6lx	6lx	5lx	4lx	4lx	4lx
134.9fc	33.7fc	15fc	8.4fc	5.4fc	3.7fc	2.8fc	2.1fc	1.7fc	1.3fc	1.1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc	0.4fc	0.3fc

### 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°
1452	1447	1425	1386	1339	1277	1123	820	527	390	341	289	225	155	92	41	11	3	1	1
100%	100%	98%	95%	92%	88%	77%	56%	36%	27%	23%	20%	15%	11%	6%	3%	1%	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°
1452	1447	1425	1386	1339	1277	1123	820	527	390	341	289	225	155	92	41	11	3	1	1
100%	100%	98%	95%	92%	88%	77%	56%	36%	27%	23%	20%	15%	11%	6%	3%	1%	0%	0%	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°
1452	1447	1425	1386	1339	1277	1123	820	527	390	341	289	225	155	92	41	11	3	1	1
100%	100%	98%	95%	92%	88%	77%	56%	36%	27%	23%	20%	15%	11%	6%	3%	1%	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°
1452	1447	1425	1386	1339	1277	1123	820	527	390	341	289	225	155	92	41	11	3	1	1
100%	100%	98%	95%	92%	88%	77%	56%	36%	27%	23%	20%	15%	11%	6%	3%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
72.6°	131.5°	151.1°	91.3%	74.4%