

Light efficiency:

60 Lumen/Watt

Light quality:

CRI: 95.6

Color temperature:

3173 K

Output: 2360 lm

Peak: 3342 cd

Power: 39.3 W

PF: 0.99

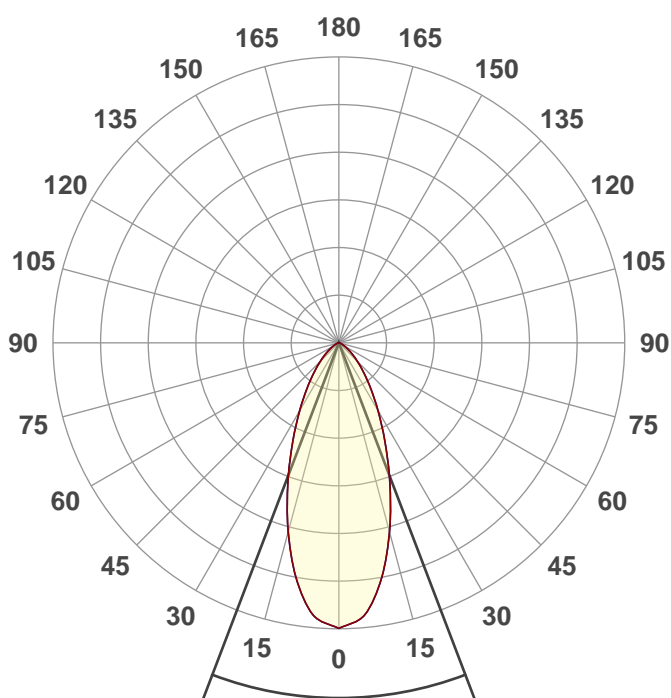


Product name:

NU4-RD-WD-30LM-3018-97-  
HE40-120-DIM10-NC-WH-WH

Date and time:

6/11/2018 1:07:28 PM



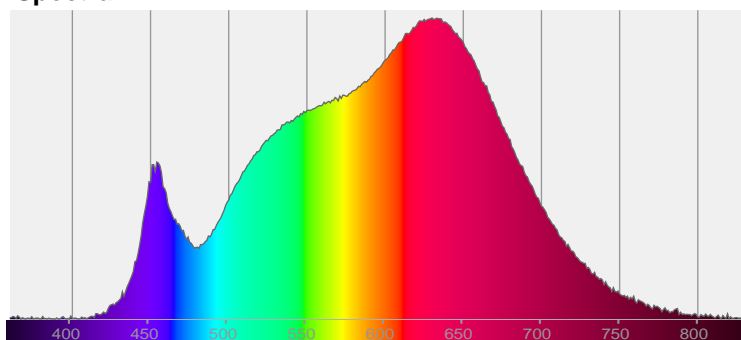
Beam angle

41.7°

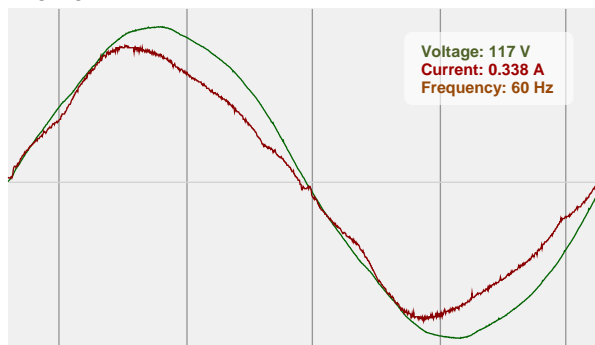


CIE 1931  
x: 0.430  
y: 0.409

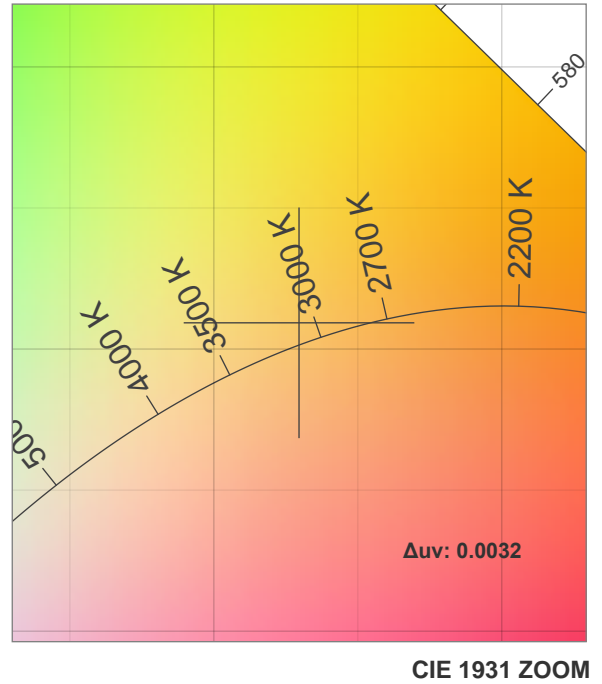
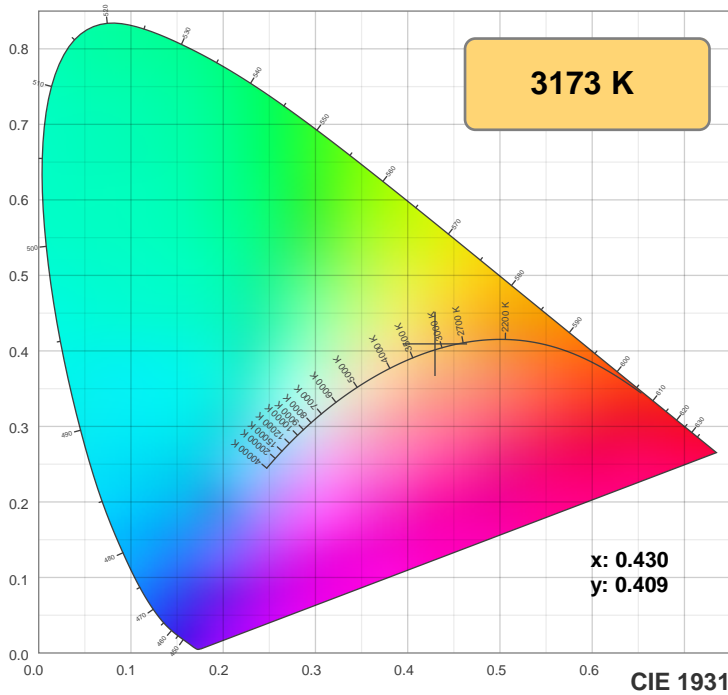
Spectra



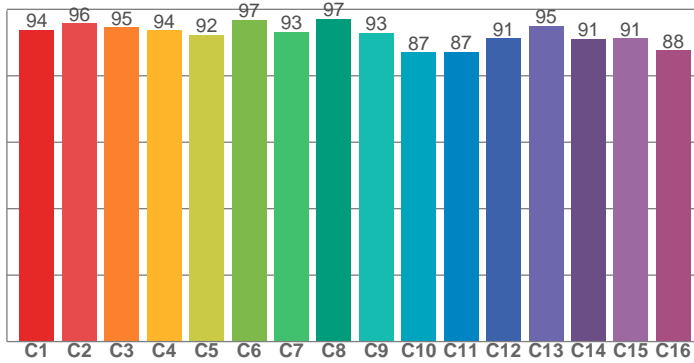
Power



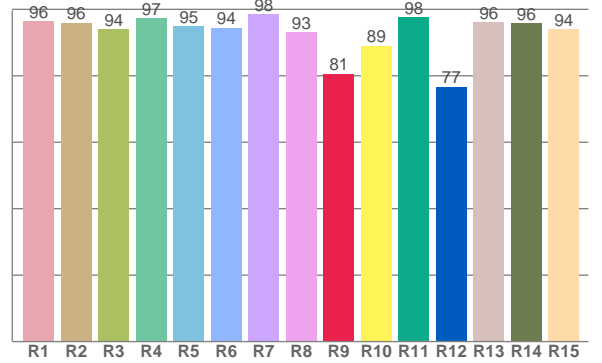
## Color details



**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
96.4	96.0	93.9	97.4	94.9	94.4	98.4	93.1	80.6	89.0	97.5	76.7	96.2	95.7	93.9

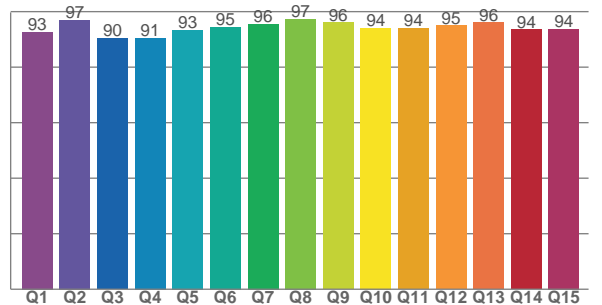
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.8	95.8	94.6	93.7	92.4	96.8	93.3	97.2	92.8	87.1	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	90.5	93.4	94.5	95.5	97.3	96.1	94.1	94.0	95.0	96.1	93.6	93.8

**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	Δuv
3173 K	95.6	80.6	92.5	99.2	93.8	0.430	0.409	0.244	0.348	0.0032

## TM30 details

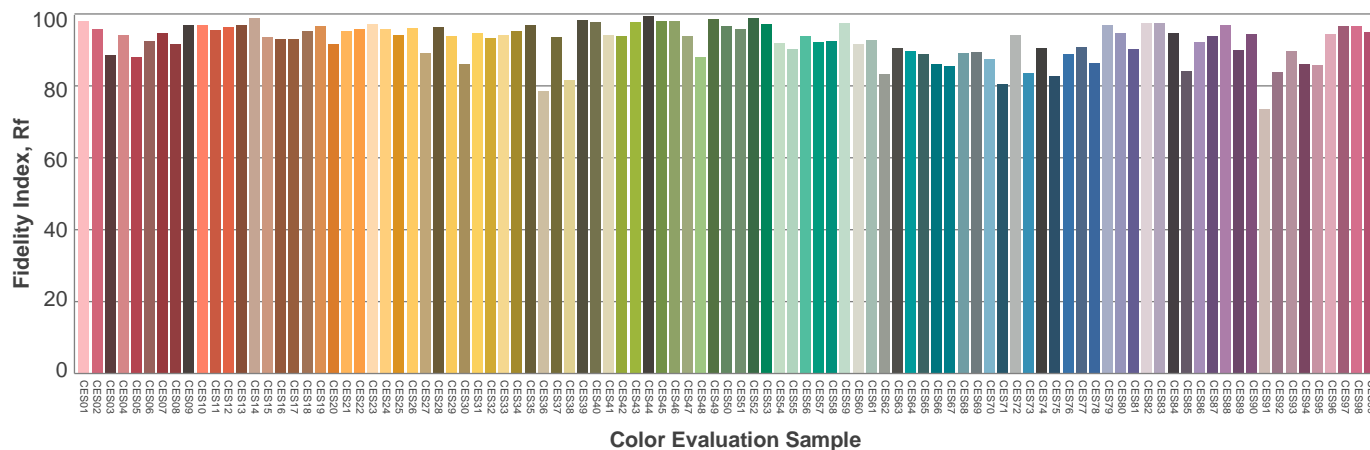
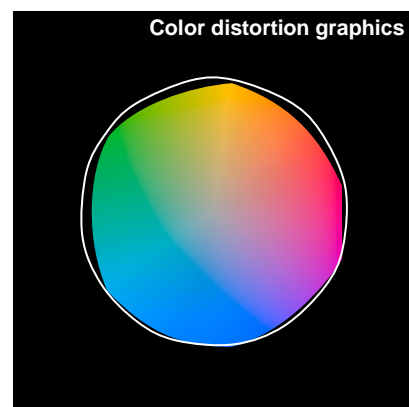
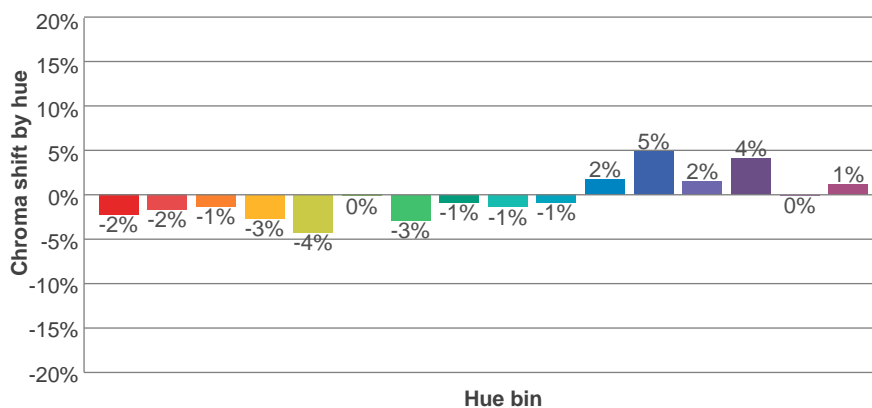
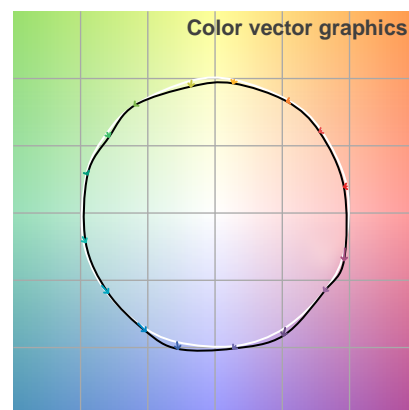
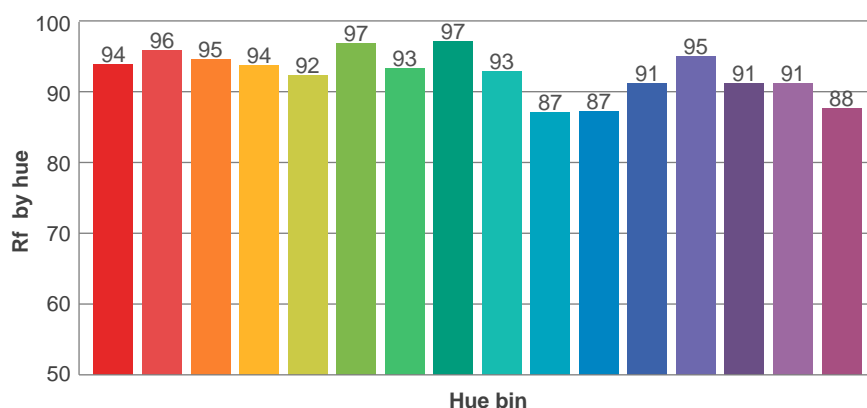
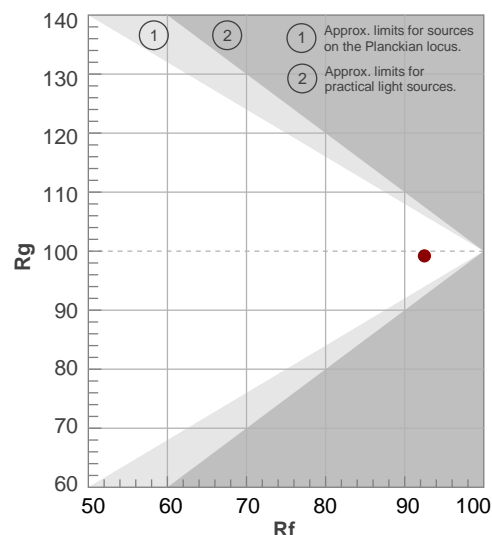
**Rf 92.5**

Fidelity index Rf

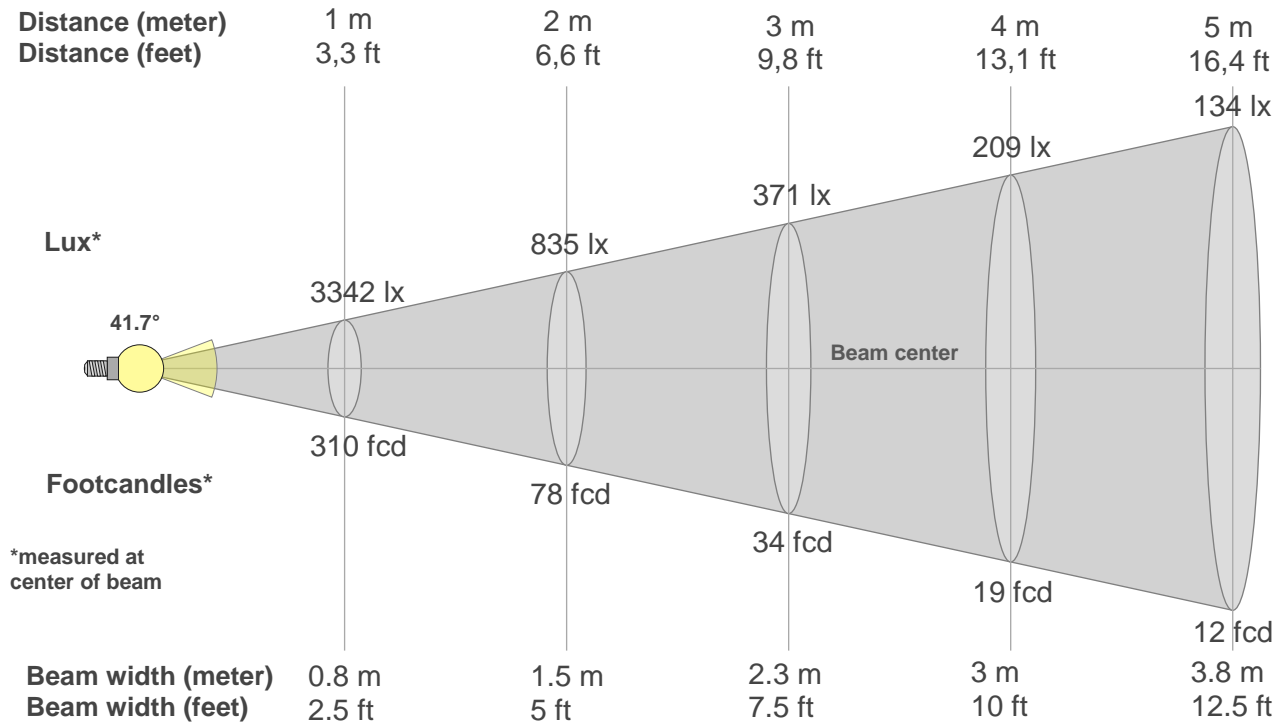
**Rg 99.2**

Gammut 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
3342lx	835lx	371lx	209lx	134lx	93lx	68lx	52lx	41lx	33lx	28lx	23lx	20lx	17lx	15lx	13lx	12lx	10lx	9lx	8lx
310.5fcd	77.6fcd	34.5fcd	19.4fcd	12.4fcd	8.6fcd	6.3fcd	4.9fcd	3.8fcd	3.1fcd	2.6fcd	2.2fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

### 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°
3342	3304	3251	3167	3001	2835	2626	2409	2191	1972	1754	1564	1377	1210	1065	922	812	703	611	531
100%	99%	97%	95%	90%	85%	79%	72%	66%	59%	52%	47%	41%	36%	32%	28%	24%	21%	18%	16%

### 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°
3342	3304	3251	3167	3001	2835	2626	2409	2191	1972	1754	1564	1377	1210	1065	922	812	703	611	531
100%	99%	97%	95%	90%	85%	79%	72%	66%	59%	52%	47%	41%	36%	32%	28%	24%	21%	18%	16%

### 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°
3342	3304	3251	3167	3001	2835	2626	2409	2191	1972	1754	1564	1377	1210	1065	922	812	703	611	531
100%	99%	97%	95%	90%	85%	79%	72%	66%	59%	52%	47%	41%	36%	32%	28%	24%	21%	18%	16%

### 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°
3342	3304	3251	3167	3001	2835	2626	2409	2191	1972	1754	1564	1377	1210	1065	922	812	703	611	531
100%	99%	97%	95%	90%	85%	79%	72%	66%	59%	52%	47%	41%	36%	32%	28%	24%	21%	18%	16%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41.7°	88°	117.6°	97.1%	87.8%