

Light efficiency:

52 Lumen/Watt

Light quality:

CRI: 96.4

Color temperature:

3139 K

Output: 1319 lm

Peak: 2246 cd

Power: 25.3 W

PF: 0.98

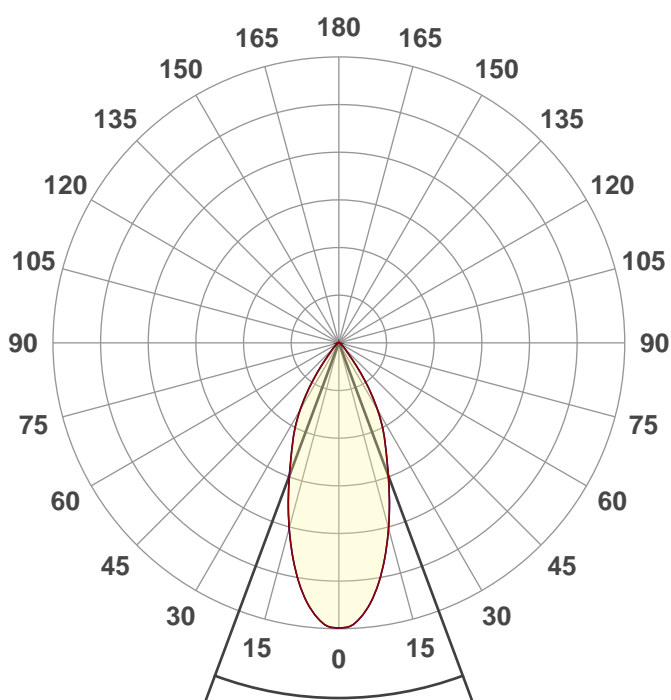


Product name:

NU3-RD-WD-20LM-3018-97-  
D40-120-DIM10-NC-WH-WH

Date and time:

6/22/2018 3:13:28 PM



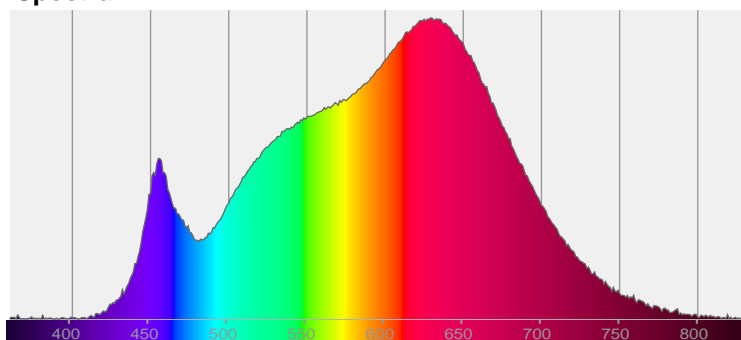
Beam angle

40.8°

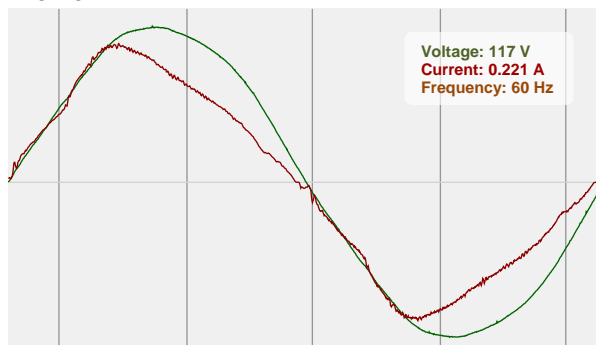


CIE 1931  
x: 0.429  
y: 0.405

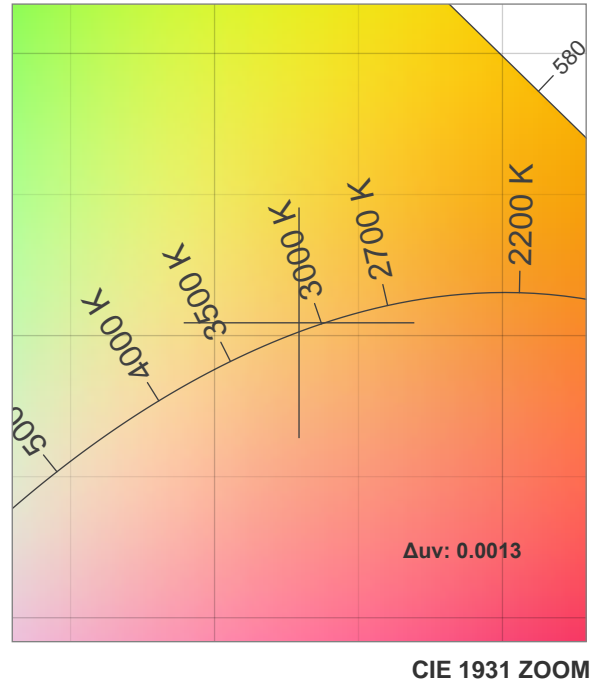
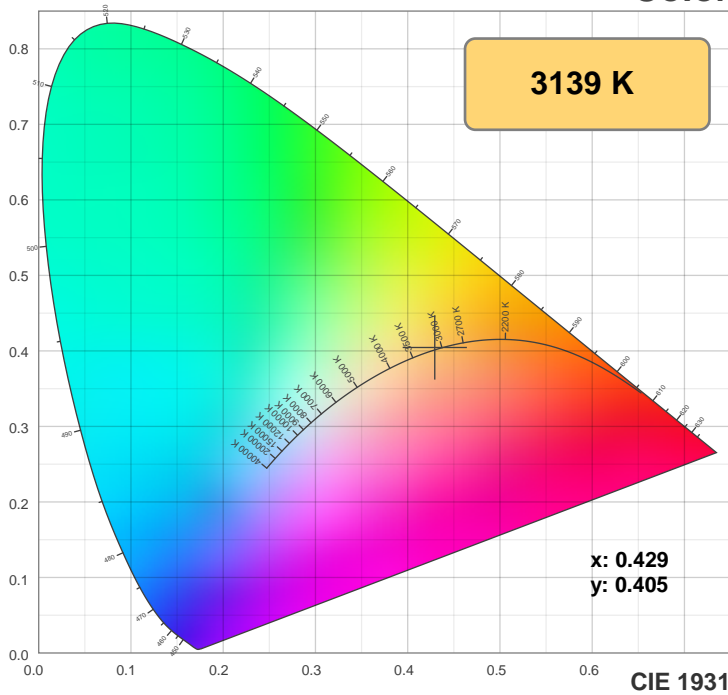
Spectra



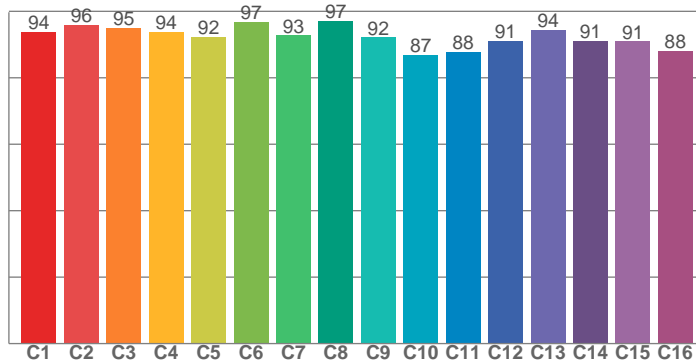
Power



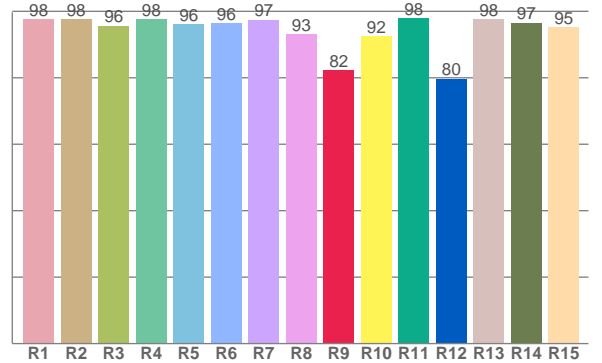
## Color details



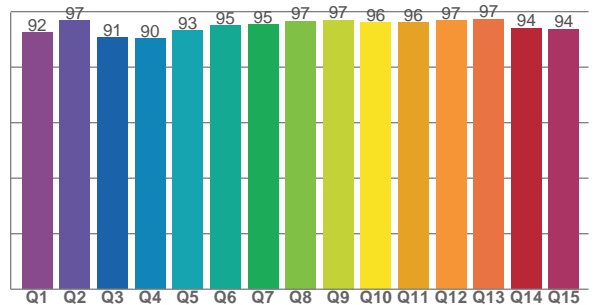
**TM30: 92.5**



**CRI: 96.4 (R1-R8)**



**CQS: 94.1**



**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
97.5	97.6	95.6	97.6	96.2	96.3	97.4	93.1	82.3	92.4	97.9	79.7	97.7	96.6	95.2

**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	96.0	95.0	93.8	92.4	96.9	92.7	97.1	92.2	86.9	87.8	91.1	94.3	91.1	91.0	88.0

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.5	96.8	90.7	90.2	93.1	95.0	95.3	96.6	97.0	96.0	96.0	96.7	97.2	94.0	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
3139 K	96.4	82.3	92.5	99.3	94.1	0.429	0.405	0.245	0.347	0.0013

## TM30 details

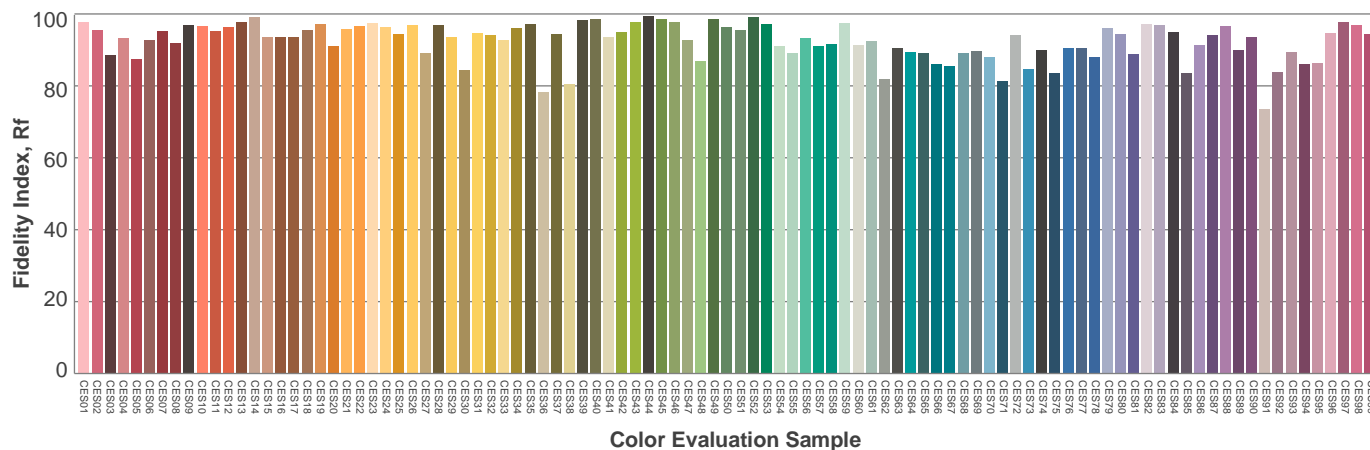
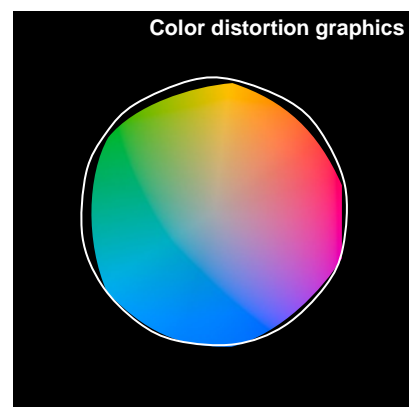
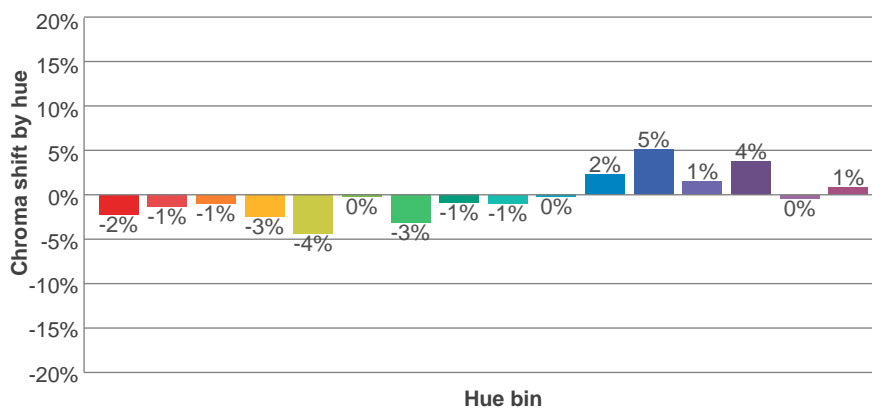
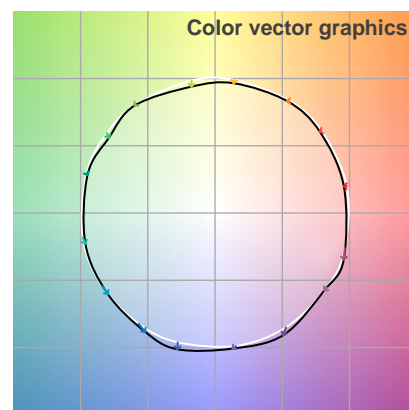
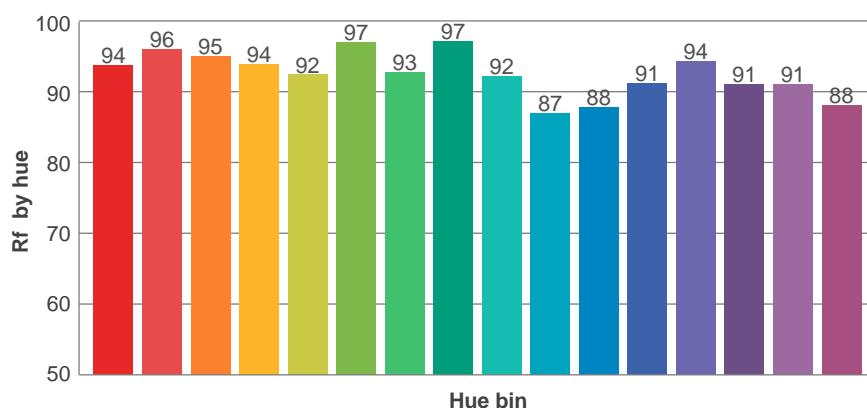
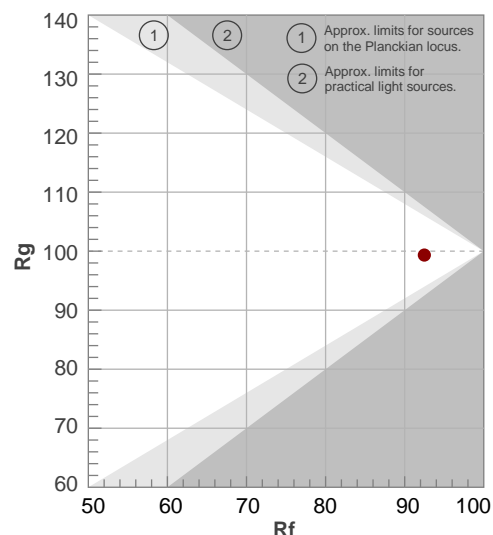
**Rf 92.5**

Fidelity index Rf

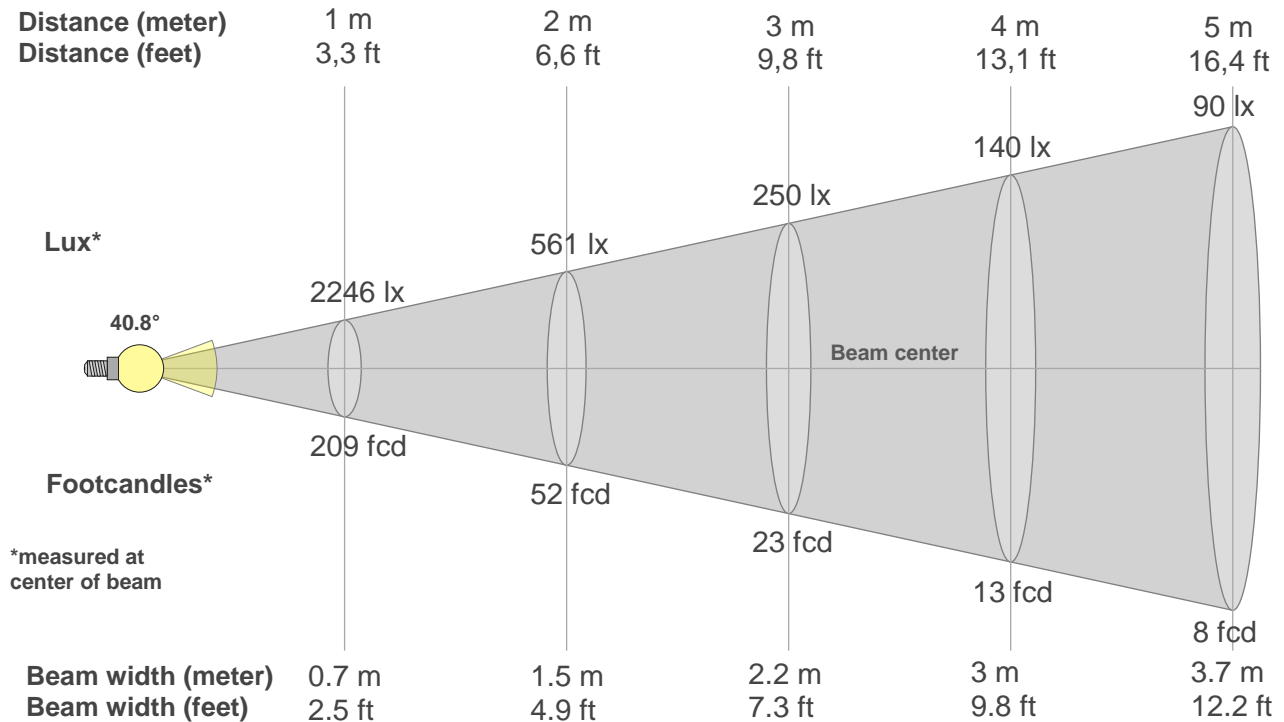
**Rg 99.3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	94	-2%	1%
2	96	-1%	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	92	-1%	5%
10	87	0%	7%
11	88	2%	7%
12	91	5%	1%
13	94	1%	-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
2246lx	561lx	250lx	140lx	90lx	62lx	46lx	35lx	28lx	22lx	19lx	16lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
208.6fc	52.2fcd	23.2fcd	13fcd	8.3fcd	5.8fcd	4.3fcd	3.3fcd	2.6fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

## 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°
2246	2244	2192	2111	2007	1882	1742	1592	1441	1293	1151	1019	912	815	716	611	501	393	291	203
100%	100%	98%	94%	89%	84%	78%	71%	64%	58%	51%	45%	41%	36%	32%	27%	22%	18%	13%	9%

## 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°
2246	2244	2192	2111	2007	1882	1742	1592	1441	1293	1151	1019	912	815	716	611	501	393	291	203
100%	100%	98%	94%	89%	84%	78%	71%	64%	58%	51%	45%	41%	36%	32%	27%	22%	18%	13%	9%

## 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°
2246	2244	2192	2111	2007	1882	1742	1592	1441	1293	1151	1019	912	815	716	611	501	393	291	203
100%	100%	98%	94%	89%	84%	78%	71%	64%	58%	51%	45%	41%	36%	32%	27%	22%	18%	13%	9%

## 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°
2246	2244	2192	2111	2007	1882	1742	1592	1441	1293	1151	1019	912	815	716	611	501	393	291	203
100%	100%	98%	94%	89%	84%	78%	71%	64%	58%	51%	45%	41%	36%	32%	27%	22%	18%	13%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.8°	74.8°	93.8°	98.7%	95.4%