

Light efficiency:

37 Lumen/Watt

Light quality:

CRI: 83.1

Color temperature:

2908 K

Output: 1125 lm

Peak: 6058 cd

Power: 30.0 W

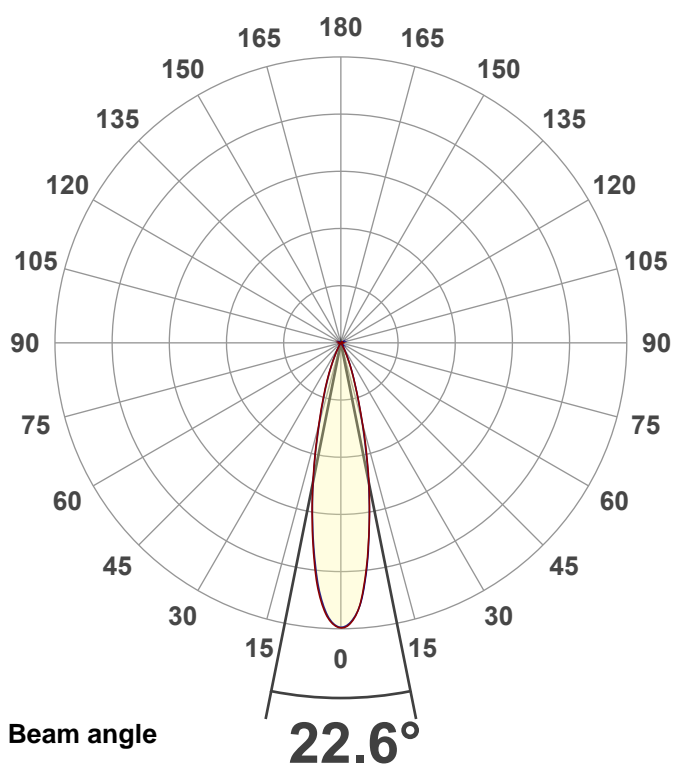
PF: 0.98



NU3-RDDR-XTM09-16LM-30K-83-25D-NL-SA

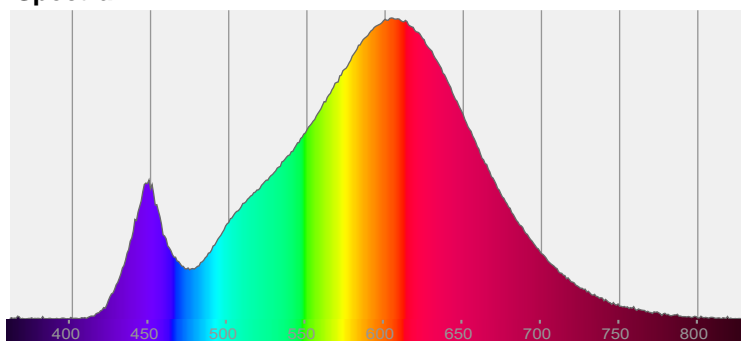
Date and time:

4/8/2022 3:21:52 PM



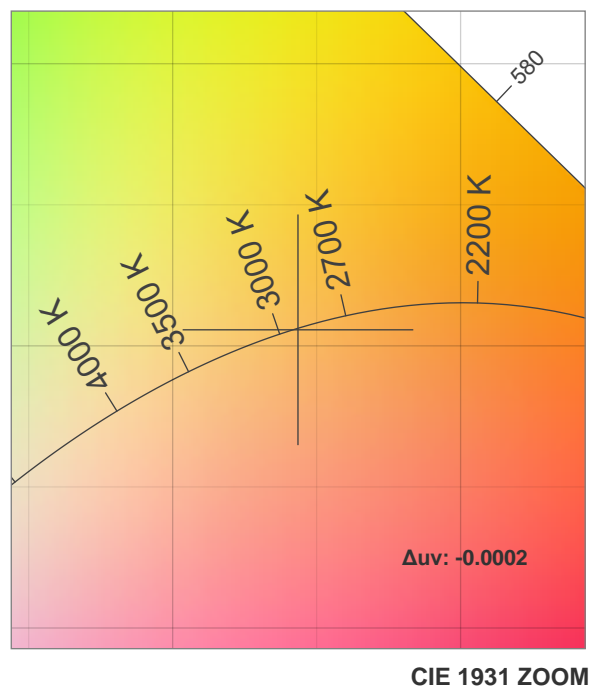
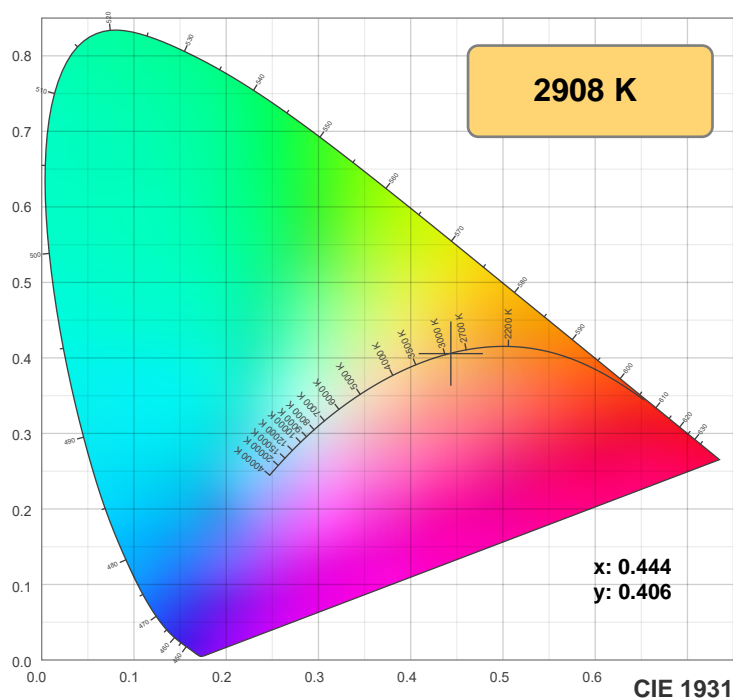
CIE 1931  
x: 0.444  
y: 0.406

Spectra

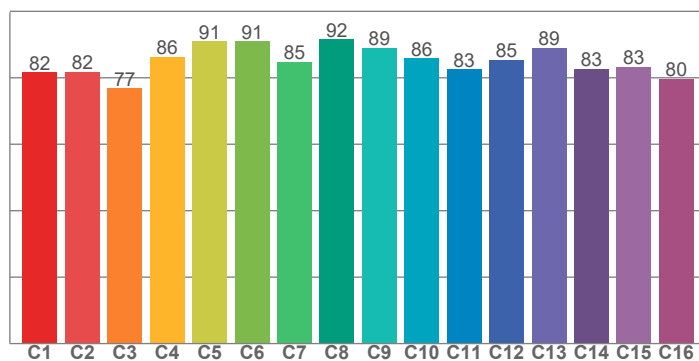


Power

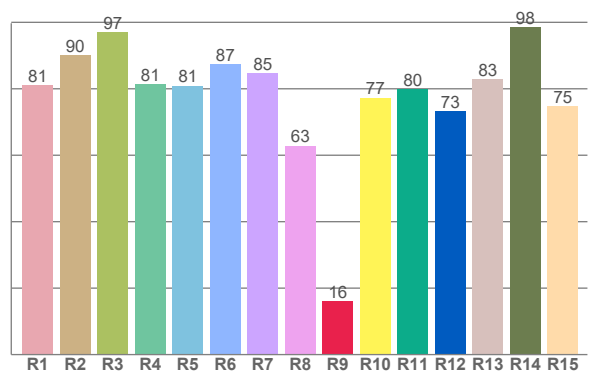
Voltage: 121 V  
Current: 0.248 A  
Frequency: 0 Hz



TM30: 85.0



CRI: 83.1 (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
81.1	90.1	97.0	81.3	81.0	87.4	84.6	62.8	16.1	77.3	79.8	73.3	82.9	98.4	74.7

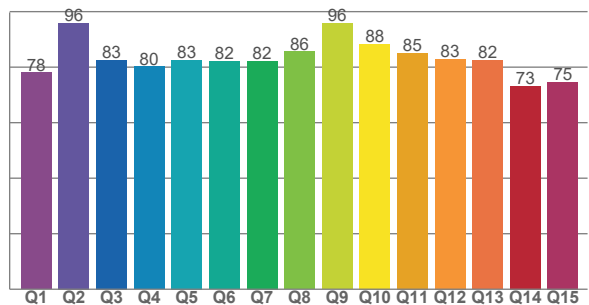
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.6	81.7	76.9	86.2	90.9	90.9	84.9	91.6	89.1	85.9	82.5	85.5	89.0	82.7	83.4	79.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.9	82.6	80.3	82.6	82.1	82.2	85.6	95.8	88.4	85.1	83.0	82.5	73.2	74.7

CQS: 82.2



## 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	$\Delta uv$
2908 K	83.1	16.1	85.0	97.5	82.2	0.444	0.406	0.254	0.349	-0.0002

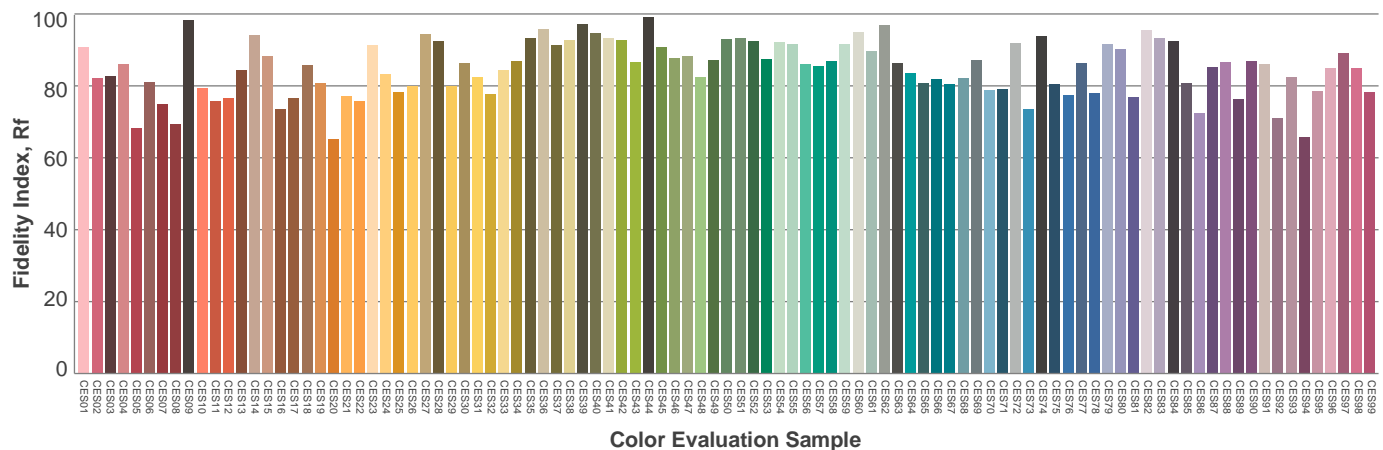
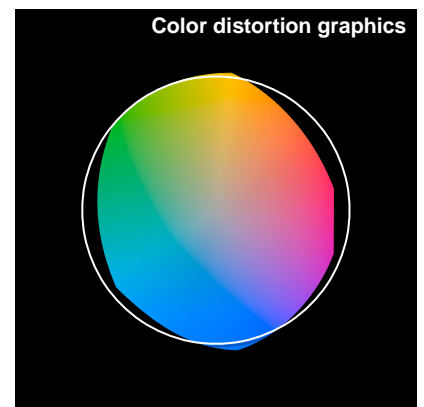
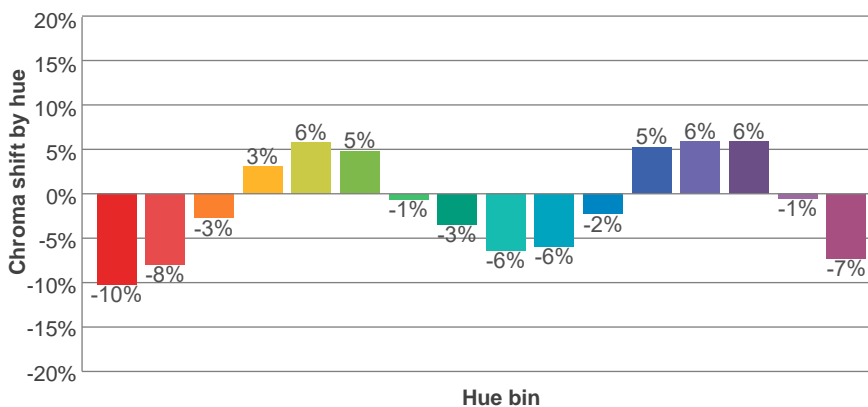
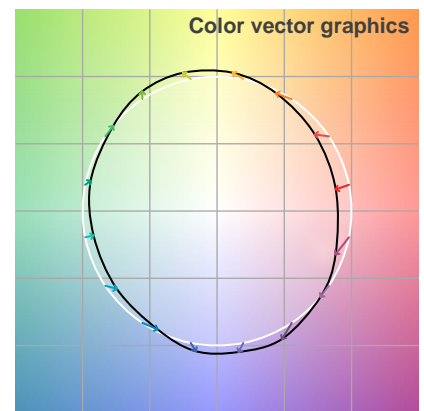
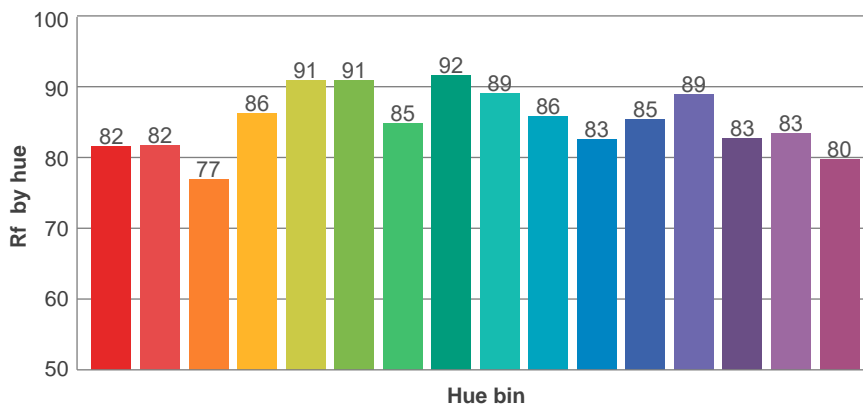
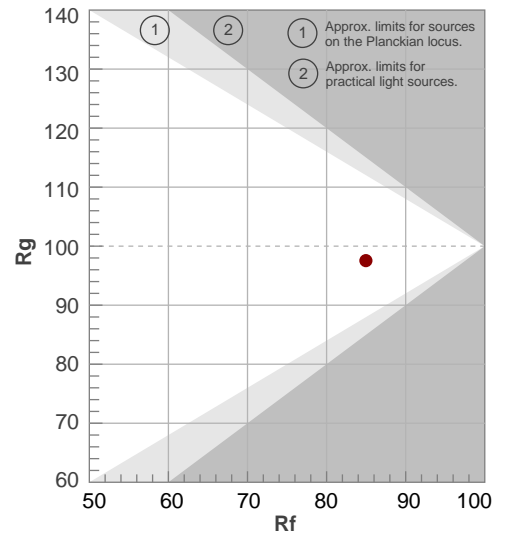
**Rf 85.0**

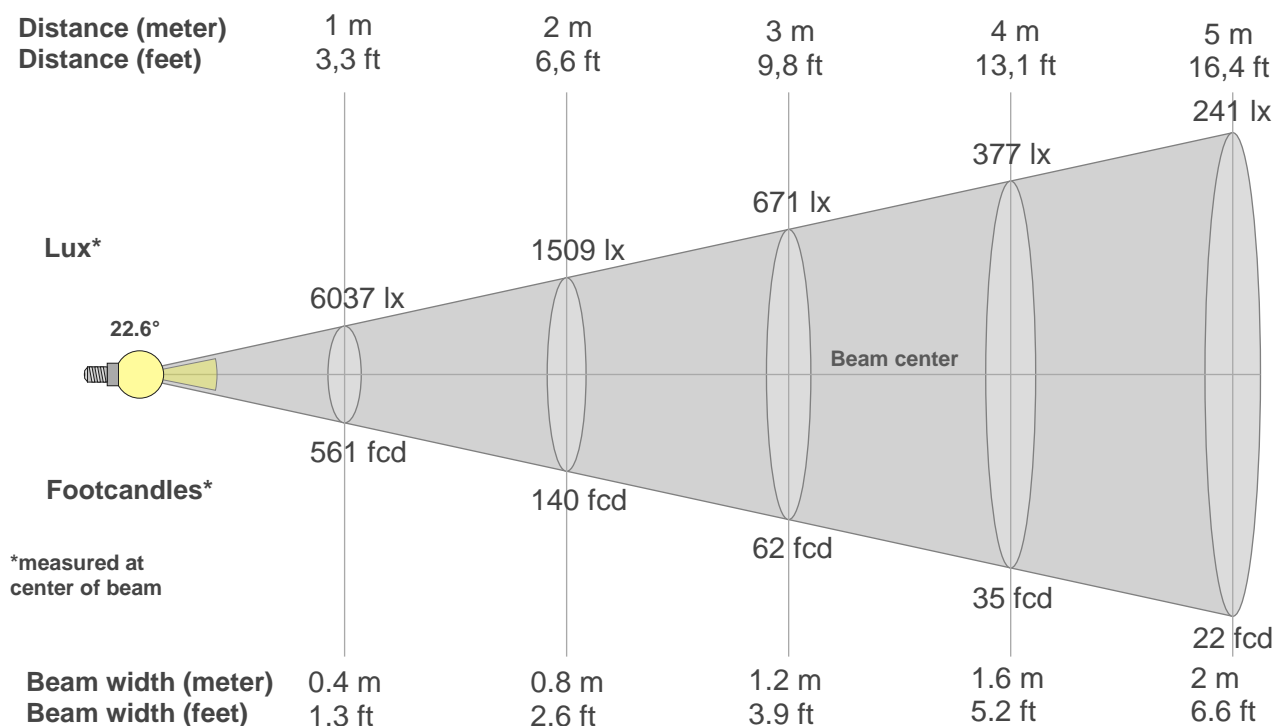
Fidelity index Rf

**Rg 97.5**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	86	3%	9%
5	91	6%	5%
6	91	5%	-3%
7	85	-1%	-10%
8	92	-3%	-4%
9	89	-6%	0%
10	86	-6%	7%
11	83	-2%	12%
12	85	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
16	80	-7%	-14%





#### 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
6037lx	1509lx	671lx	377lx	241lx	168lx	123lx	94lx	75lx	60lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
560.9fc	140.2fc	62.3fc	35.1fc	22.4fc	15.6fc	11.4fc	8.8fc	6.9fc	5.6fc	4.6fc	3.9fc	3.3fc	2.9fc	2.5fc	2.2fc	1.9fc	1.7fc	1.6fc	1.4fc

#### 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°
6037	5952	5635	4982	4251	3518	2807	2122	1516	1091	787	553	365	225	135	81	51	36	26	19
100%	99%	93%	83%	70%	58%	46%	35%	25%	18%	13%	9%	6%	4%	2%	1%	1%	1%	0%	0%

#### 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°
6037	5950	5609	5009	4268	3494	2756	2044	1493	1083	783	559	379	247	159	100	64	43	31	24
100%	99%	93%	83%	71%	58%	46%	34%	25%	18%	13%	9%	6%	4%	3%	2%	1%	1%	1%	0%

#### 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°
6037	5914	5579	5028	4284	3528	2801	2145	1599	1181	868	609	400	245	137	69	40	29	22	16
100%	98%	92%	83%	71%	58%	46%	36%	26%	20%	14%	10%	7%	4%	2%	1%	1%	0%	0%	0%

#### 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°
6037	5894	5522	4945	4226	3484	2758	2088	1541	1127	814	562	367	221	123	67	41	28	22	17
100%	98%	91%	82%	70%	58%	46%	35%	26%	19%	13%	9%	6%	4%	2%	1%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22.6°	43.2°	55.2°	99.7%	99.5%