

Light efficiency:

38 Lumen/Watt

Light quality:

CRI: 83.0

Color temperature:

2892 K

Output: 1127 lm

Peak: 4017 cd

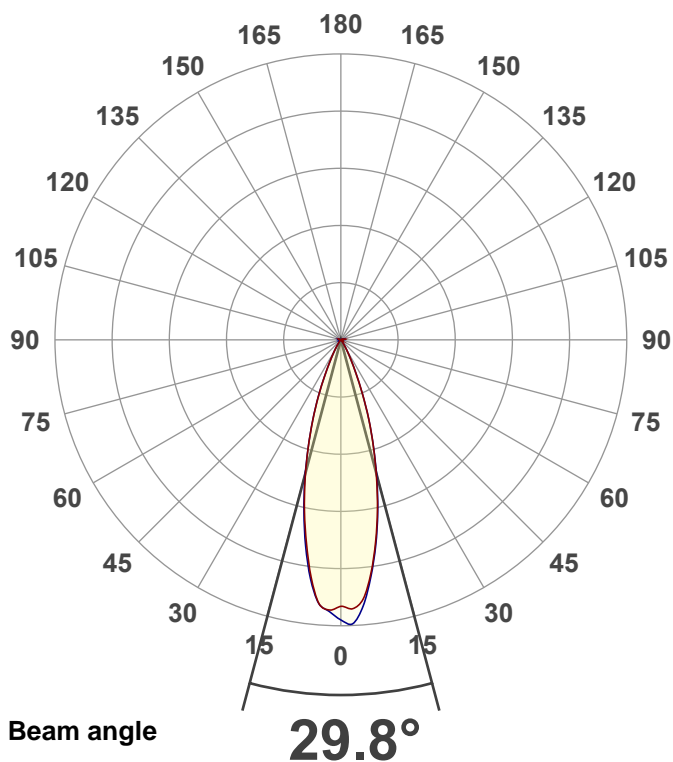
Power: 30.0 W

PF: 0.98



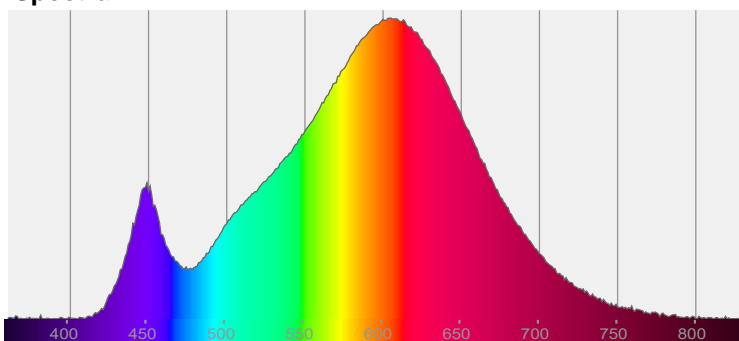
NU3-RDDR-XTM09-16LM-30K-83-30D-HET-SA

Date and time:  
4/11/2022 2:15:19 PM



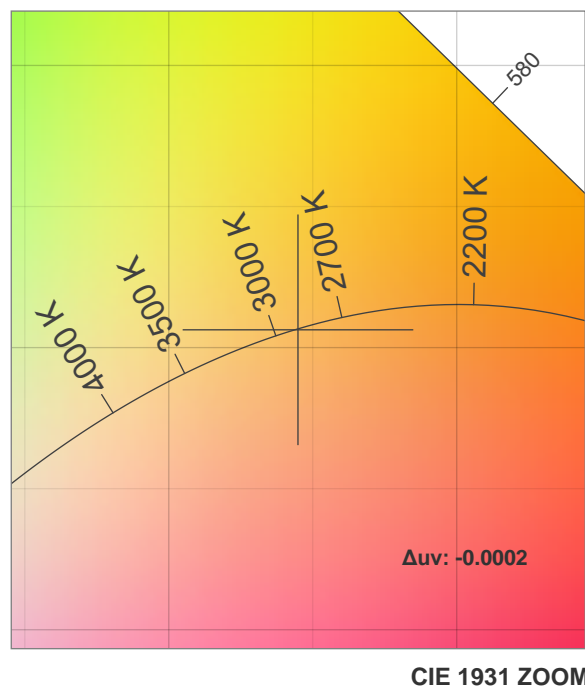
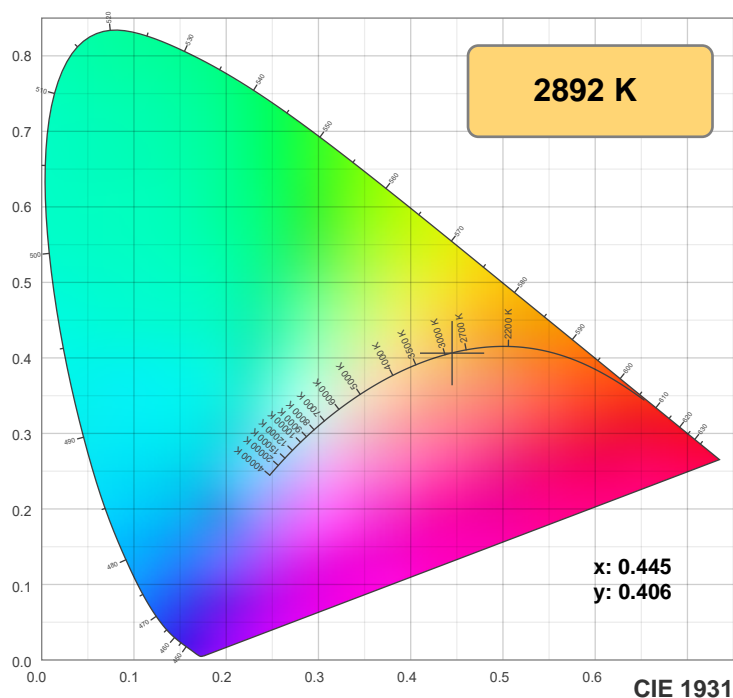
CIE 1931  
x: 0.445  
y: 0.406

Spectra

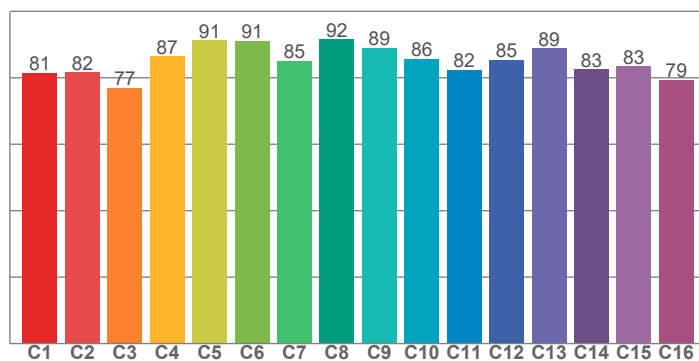


Power

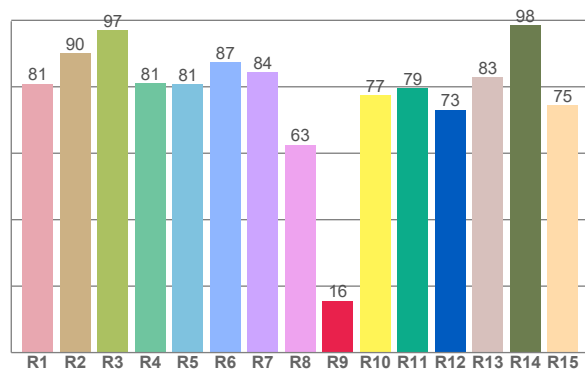
Voltage: 121 V  
Current: 0.248 A  
Frequency: 0 Hz



TM30: 85.0



CRI: 83.0 (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
81.0	90.1	97.0	81.1	80.8	87.4	84.5	62.5	15.6	77.4	79.5	73.1	82.8	98.5	74.5

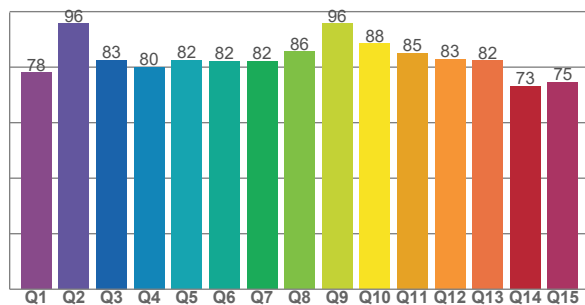
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.5	81.6	77.0	86.5	91.3	91.2	85.1	91.6	89.0	85.6	82.4	85.5	88.9	82.5	83.4	79.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.1	95.7	82.7	80.1	82.5	82.1	82.1	85.6	95.7	88.4	85.1	82.9	82.4	73.1	74.6

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	Δuv
2892 K	83.0	15.6	85.0	97.4	82.2	0.445	0.406	0.255	0.349	-0.0002

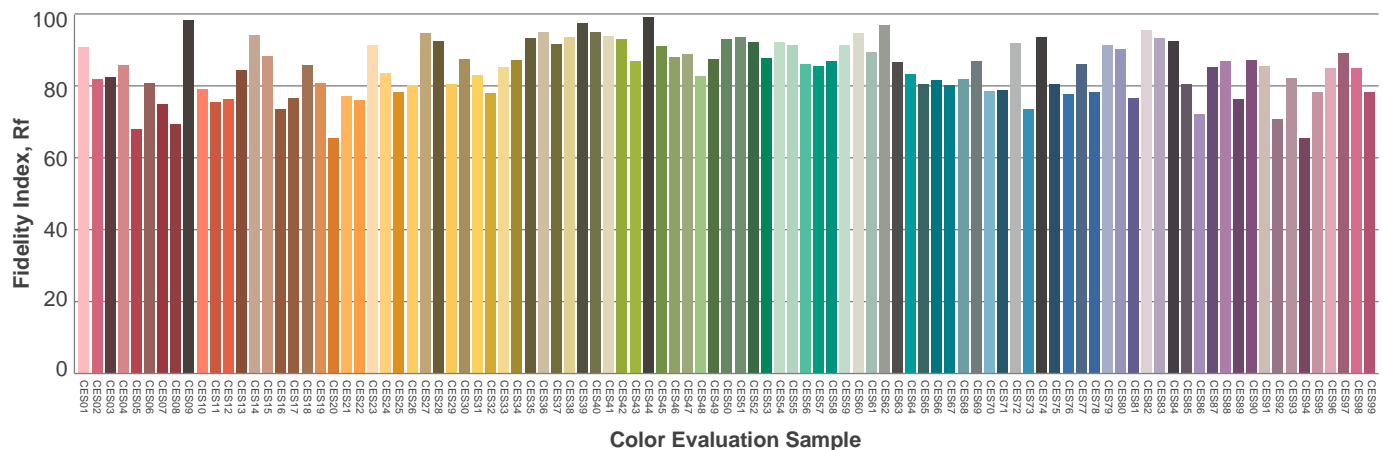
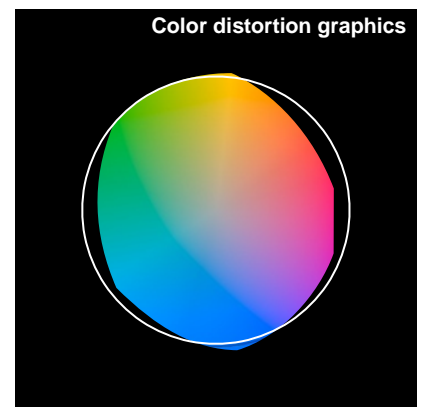
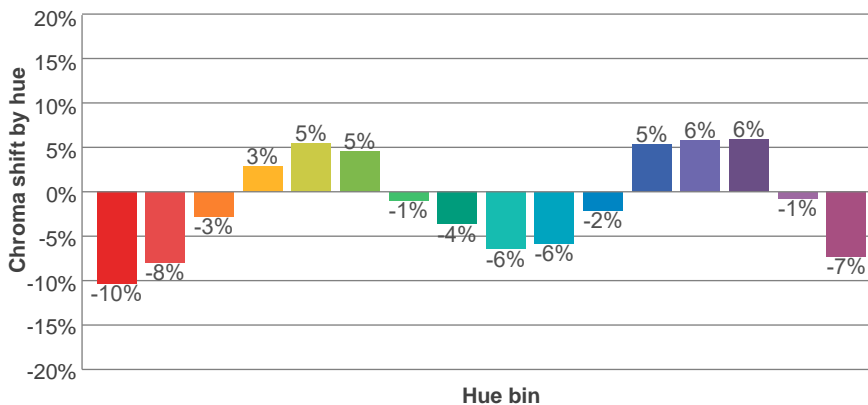
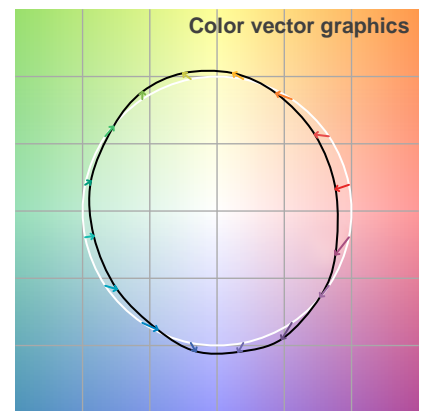
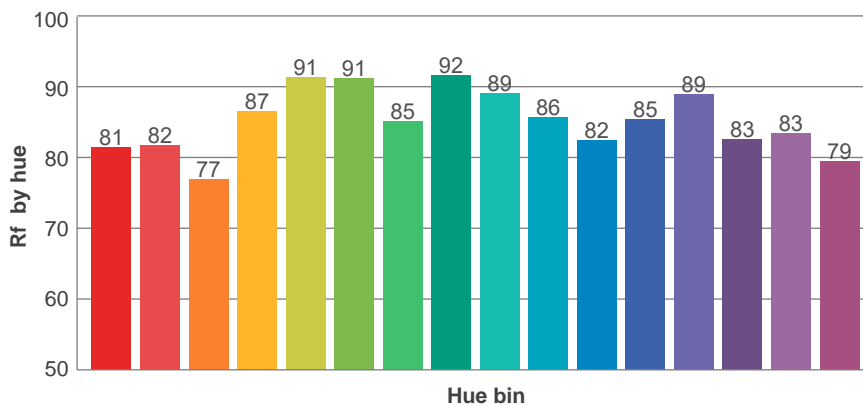
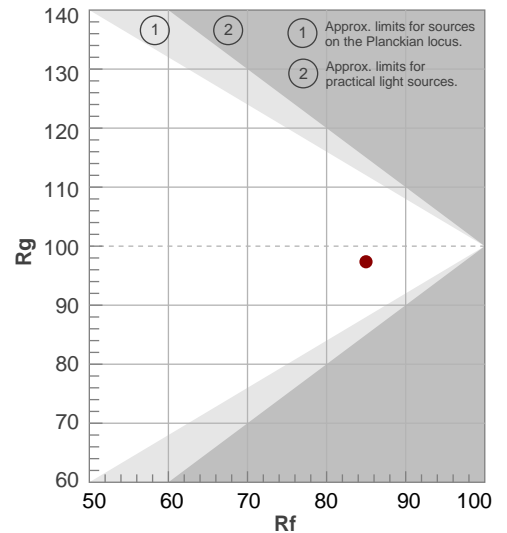
**Rf 85.0**

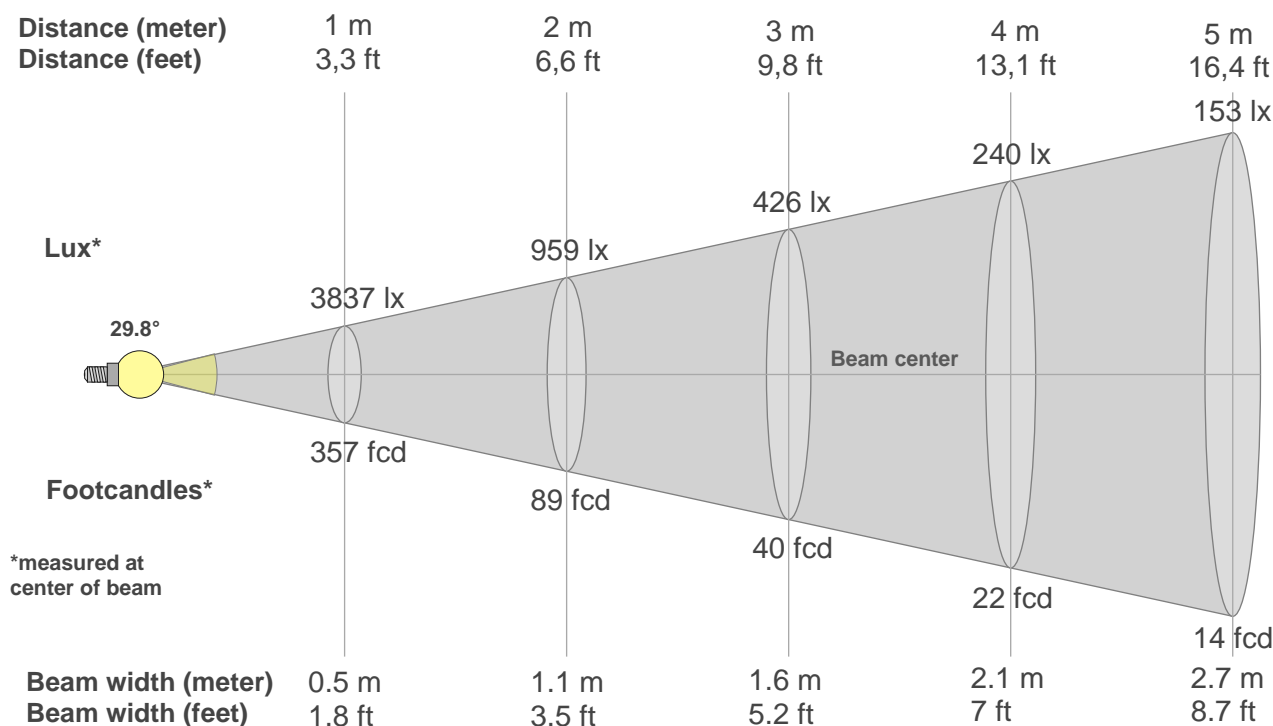
Fidelity index Rf

**Rg 97.4**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-10%	-1%
2	82	-8%	7%
3	77	-3%	12%
4	87	3%	8%
5	91	5%	5%
6	91	5%	-3%
7	85	-1%	-9%
8	92	-4%	-3%
9	89	-6%	0%
10	86	-6%	7%
11	82	-2%	12%
12	85	5%	5%
13	89	6%	-5%
14	83	6%	-13%
15	83	-1%	-10%
16	79	-7%	-15%





#### 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
3837lx	959lx	426lx	240lx	153lx	107lx	78lx	60lx	47lx	38lx	32lx	27lx	23lx	20lx	17lx	15lx	13lx	12lx	11lx	10lx
356.5fcd	89.1fcd	39.6fcd	22.3fcd	14.3fcd	9.9fcd	7.3fcd	5.6fcd	4.4fcd	3.6fcd	2.9fcd	2.5fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

#### 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°
3837	3796	3726	3522	3210	2853	2485	2109	1748	1412	1100	802	558	385	261	173	110	65	37	23
100%	99%	97%	92%	84%	74%	65%	55%	46%	37%	29%	21%	15%	10%	7%	5%	3%	2%	1%	1%

#### 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°
3837	4008	3855	3578	3238	2879	2507	2130	1757	1410	1087	787	538	368	246	160	100	58	32	22
100%	104%	100%	93%	84%	75%	65%	55%	46%	37%	28%	20%	14%	10%	6%	4%	3%	2%	1%	1%

#### 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°
3837	3816	3767	3552	3218	2842	2475	2106	1746	1408	1100	823	578	403	279	191	128	84	51	33
100%	99%	98%	93%	84%	74%	64%	55%	46%	37%	29%	21%	15%	11%	7%	5%	3%	2%	1%	1%

#### 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°
3837	3865	3773	3576	3268	2899	2511	2131	1754	1409	1100	820	566	388	265	178	117	73	43	27
100%	101%	98%	93%	85%	76%	65%	56%	46%	37%	29%	21%	15%	10%	7%	5%	3%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29.8°	51.9°	65.4°	99.7%	99.4%