

Light efficiency:

39 Lumen/Watt

Light quality:

CRI: 83.5

Color temperature:

2869 K

Output: 1393 lm

Peak: 7240 cd

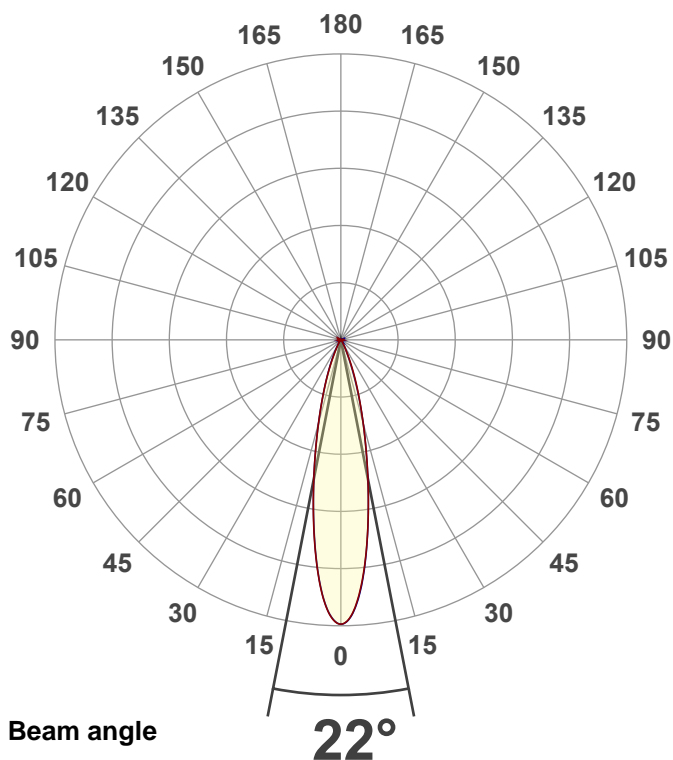
Power: 35.7 W

PF: 0.98



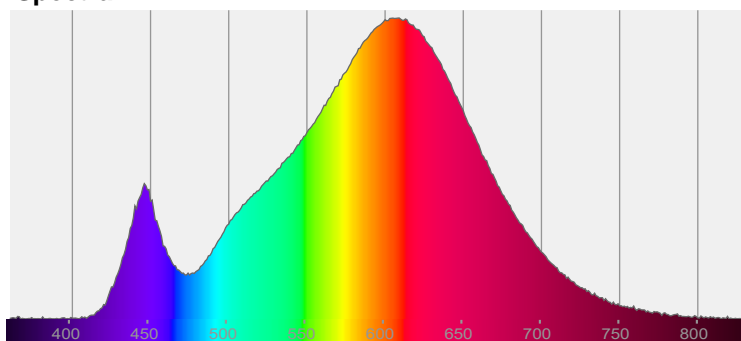
NU3-RA-XTM09-20LM-30K-83-15D-  
HETA-NL-WH-WH

Date and time:  
6/7/2022 10:59:14 AM

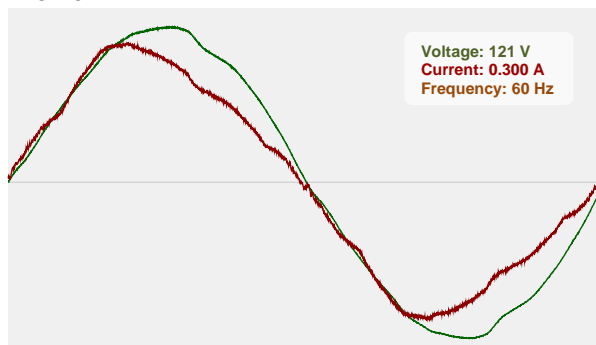


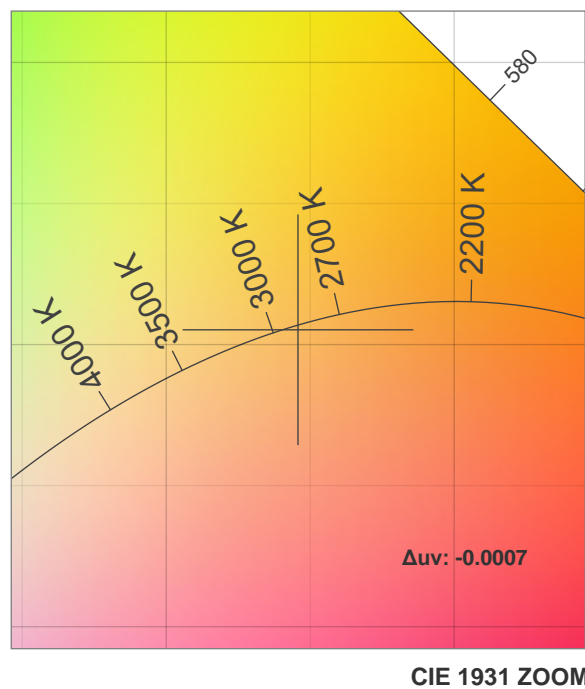
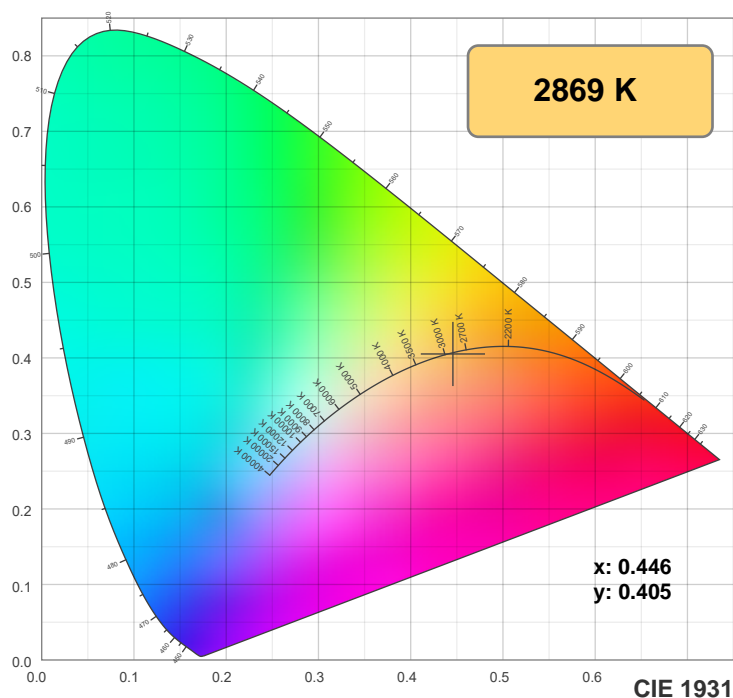
CIE 1931  
x: 0.446  
y: 0.405

Spectra

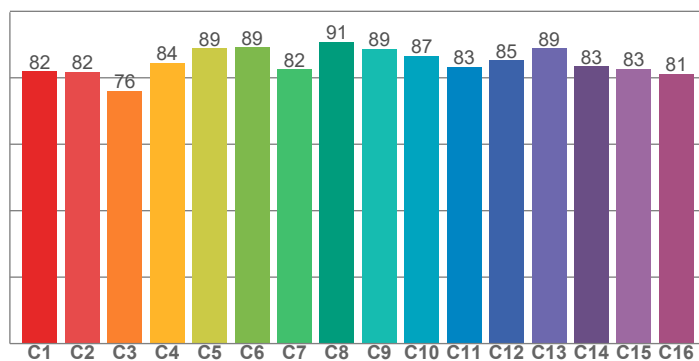


Power

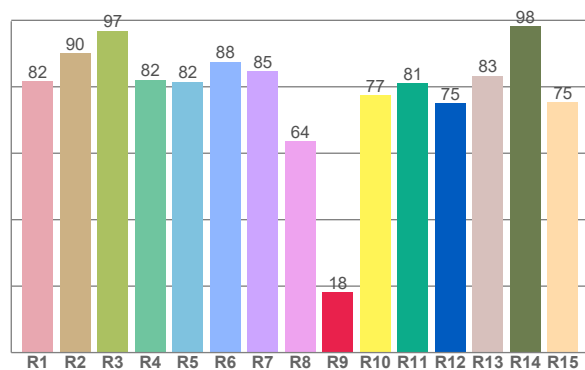




TM30: 84.6



CRI: 83.5 (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
81.7	90.1	96.8	82.2	81.5	87.6	84.8	63.7	18.1	77.4	81.1	75.0	83.3	98.2	75.3

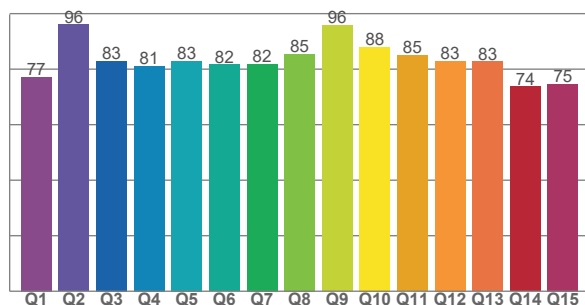
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82.0	81.8	76.1	84.4	88.8	89.1	82.5	90.7	88.7	86.5	83.3	85.3	88.8	83.5	82.6	81.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.1	96.1	83.0	81.2	82.9	81.7	81.9	85.4	95.8	87.9	85.0	83.0	82.8	73.7	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
2869 K	83.5	18.1	84.6	98.6	82.2	0.446	0.405	0.256	0.349	-0.0007

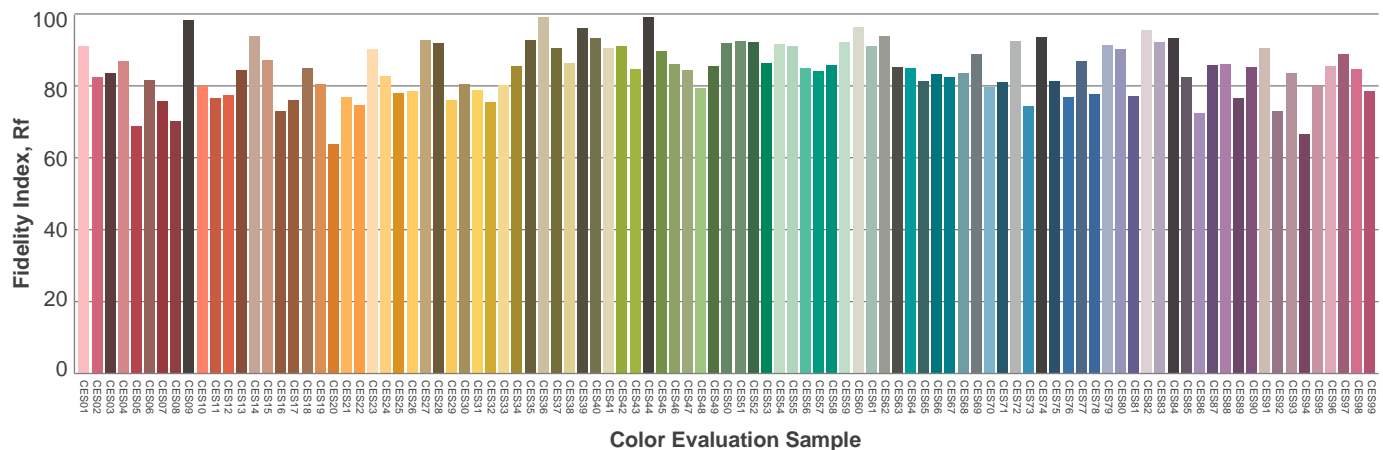
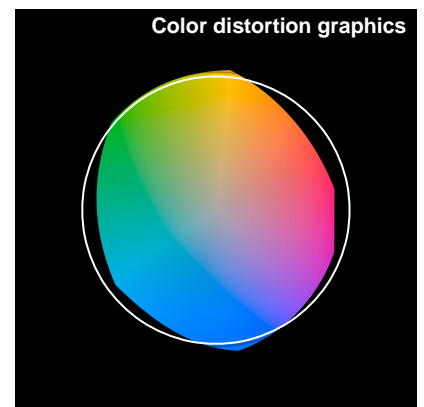
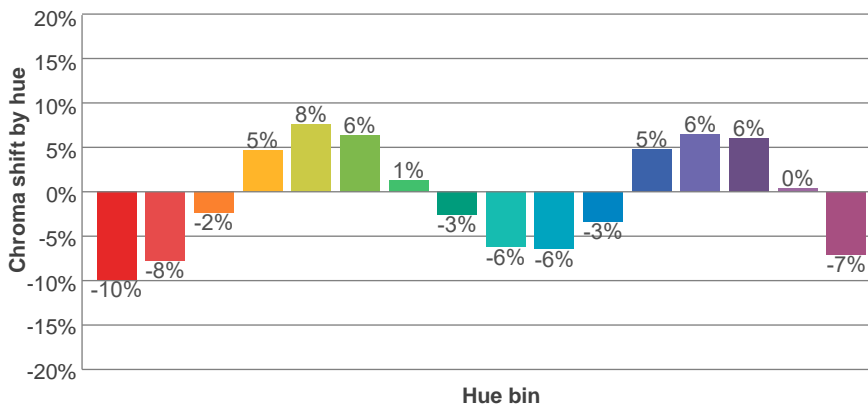
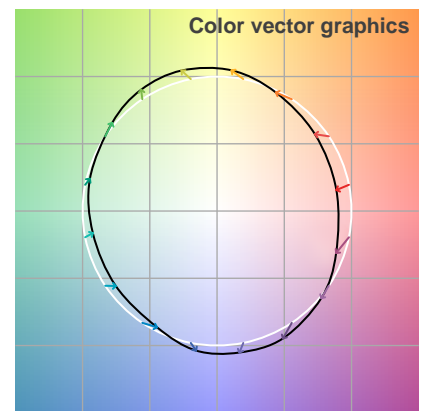
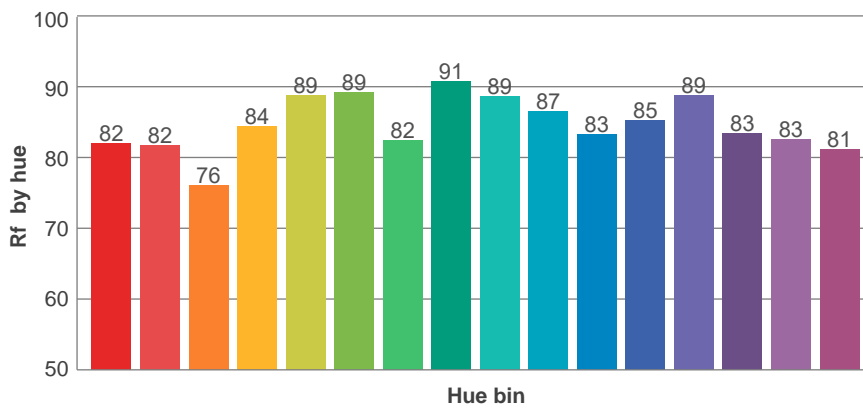
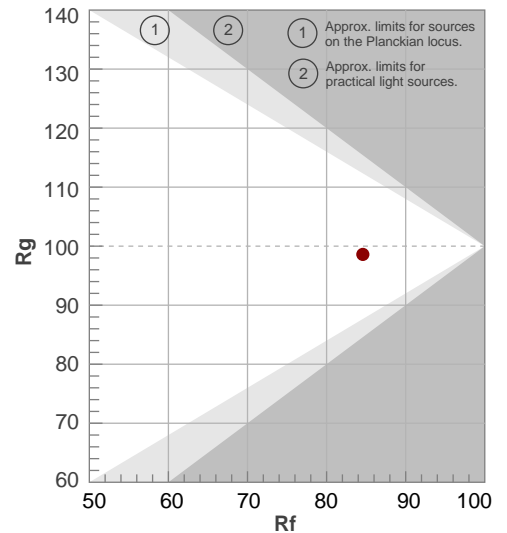
**Rf 84.6**

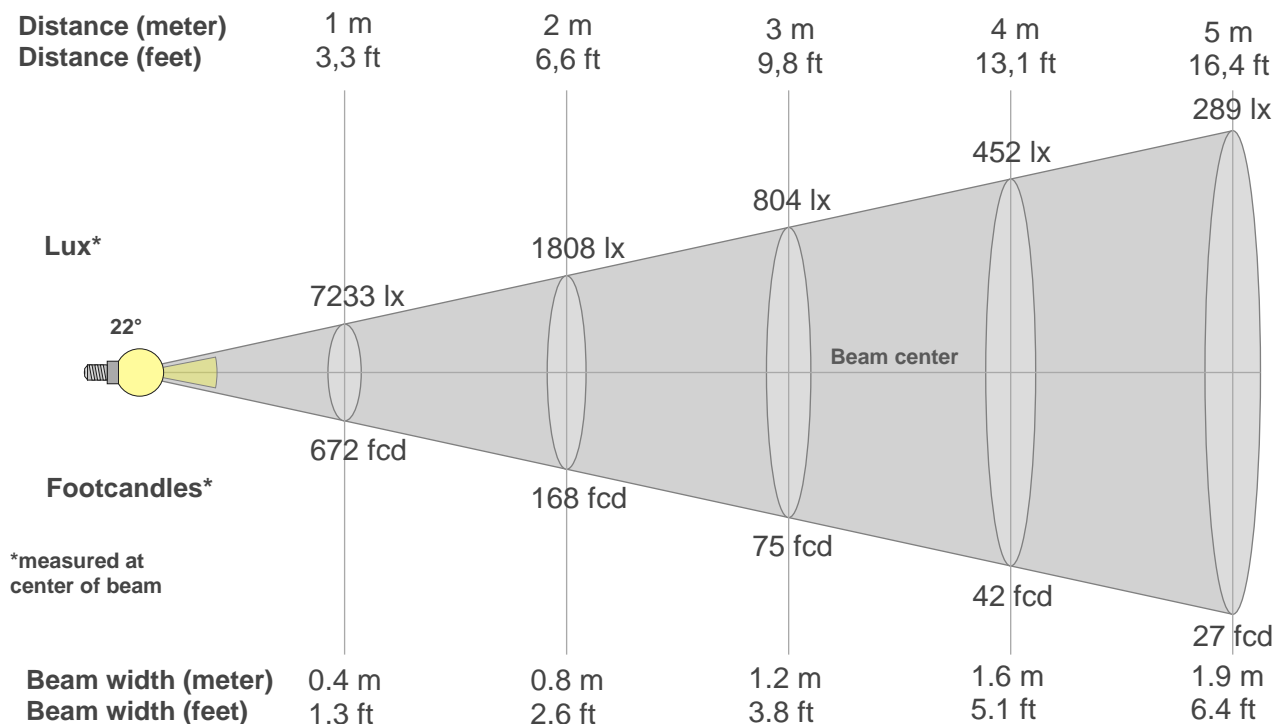
Fidelity index Rf

**Rg 98.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	84	5%	10%
5	89	8%	6%
6	89	6%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	87	-6%	5%
11	83	-3%	11%
12	85	5%	5%
13	89	6%	-4%
14	83	6%	-12%
15	83	0%	-11%
16	81	-7%	-13%





#### 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
7233lx	1808lx	804lx	452lx	289lx	201lx	148lx	113lx	89lx	72lx	60lx	50lx	43lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
671.9fcd	168fcd	74.7fcd	42fcd	26.9fcd	18.7fcd	13.7fcd	10.5fcd	8.3fcd	6.7fcd	5.6fcd	4.7fcd	4fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd	1.7fcd

#### 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°
7233	7047	6527	5779	4912	4036	3224	2515	1923	1451	1068	748	495	318	206	137	92	66	48	36
100%	97%	90%	80%	68%	56%	45%	35%	27%	20%	15%	10%	7%	4%	3%	2%	1%	1%	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°
7233	7061	6557	5804	4913	4024	3206	2500	1902	1391	967	648	422	279	183	125	83	59	43	30
100%	98%	91%	80%	68%	56%	44%	35%	26%	19%	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°
7233	7059	6559	5804	4927	4040	3225	2518	1930	1457	1080	757	504	329	216	144	100	71	52	38
100%	98%	91%	80%	68%	56%	45%	35%	27%	20%	15%	10%	7%	5%	3%	2%	1%	1%	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°
7233	7046	6541	5783	4902	4019	3212	2503	1915	1441	1073	786	567	384	253	166	112	79	57	43
100%	97%	90%	80%	68%	56%	44%	35%	26%	20%	15%	11%	8%	5%	3%	2%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
22°	44.2°	57.6°	99.8%	99.3%