

Light efficiency:

**81 Lumen/Watt**

Light quality:

**CRI: 81.2**

Color temperature:

**3060 K**

**Output: 2694 lm**

**Peak: 2519 cd**

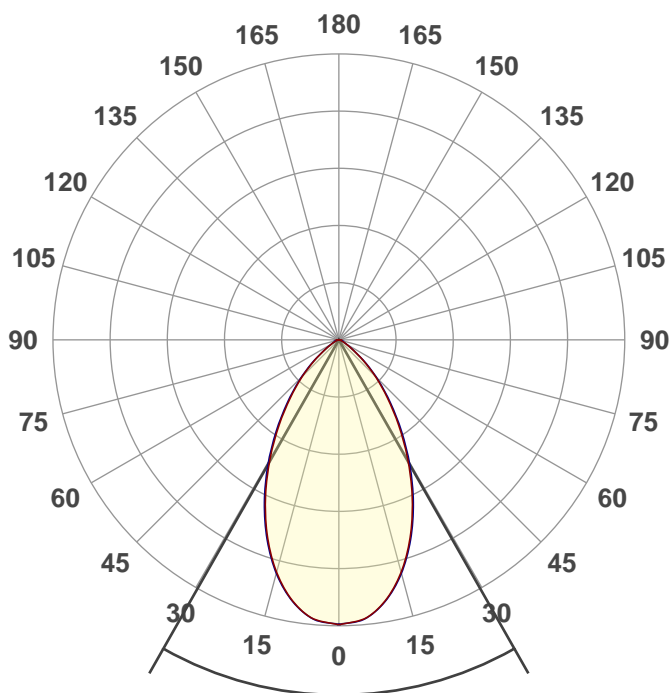
**Power: 33.3 W**

**PF: 0.98**



**NU3-RD-SW-35LM-30K-80-60D-120-DIM10-NC-WH-WH**

Date and time:  
**11/9/2020 10:04:27 AM**



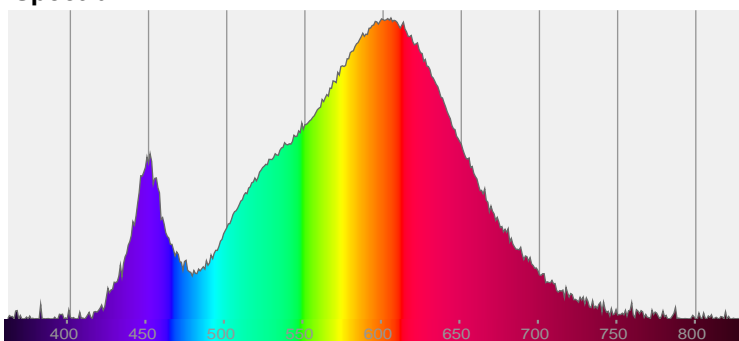
Beam angle

**59.2°**

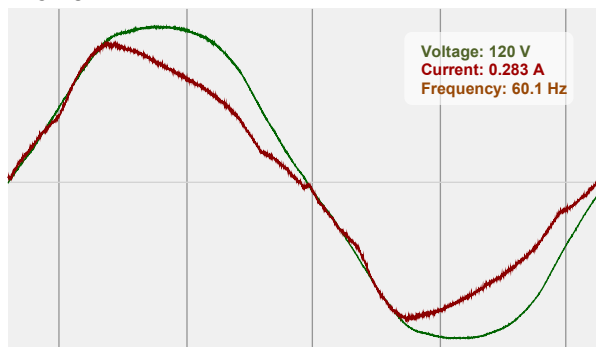


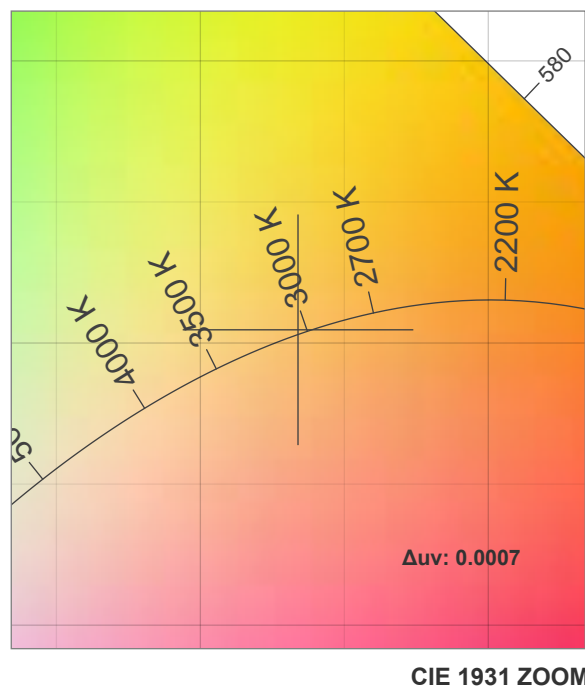
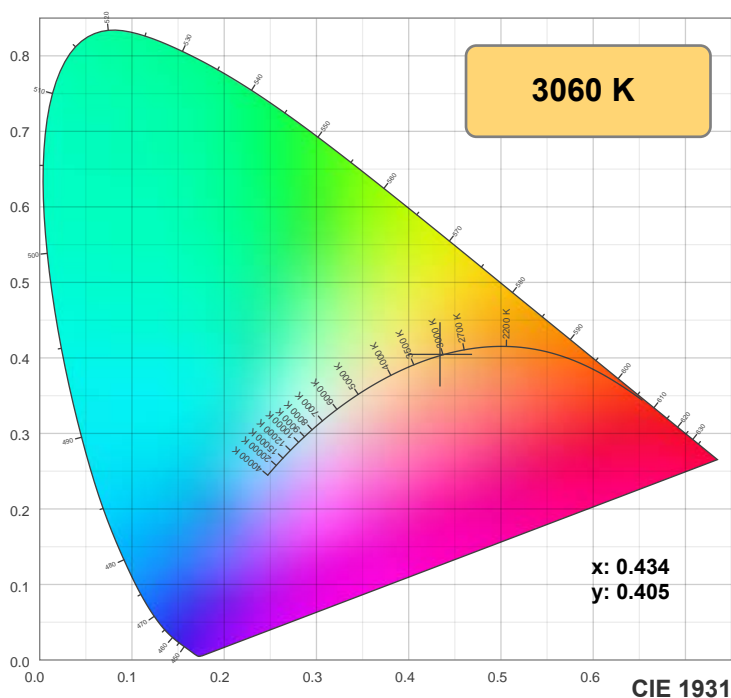
CIE 1931  
x: 0.434  
y: 0.405

**Spectra**

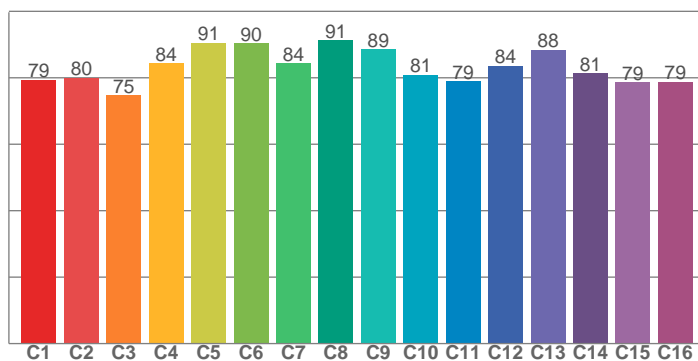


**Power**

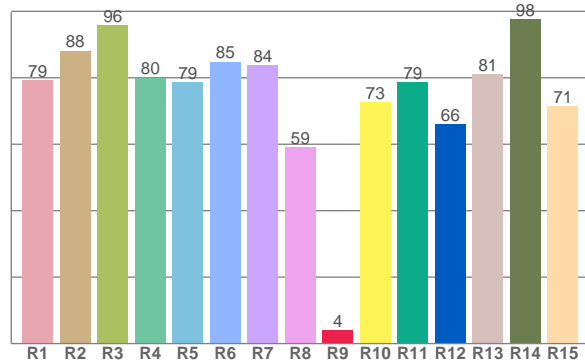




TM30: 83.3



CRI: 81.2 (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
79.2	88.2	95.8	80.0	78.8	84.8	83.7	59.2	4.0	72.6	78.7	66.0	81.0	97.6	71.4

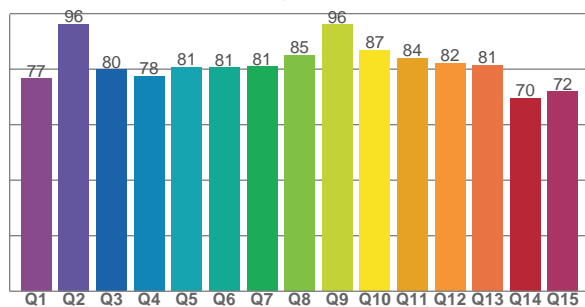
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	79.9	74.7	84.3	90.6	90.4	84.4	91.3	88.6	80.9	78.9	83.6	88.4	81.4	78.7	78.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.5	96.2	79.8	77.5	80.7	80.5	80.9	85.0	96.1	86.9	84.0	82.1	81.4	69.7	71.9

CQS: 80.5



## 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
3060 K	81.2	4.0	83.3	96.9	80.5	0.434	0.405	0.248	0.347	0.0007

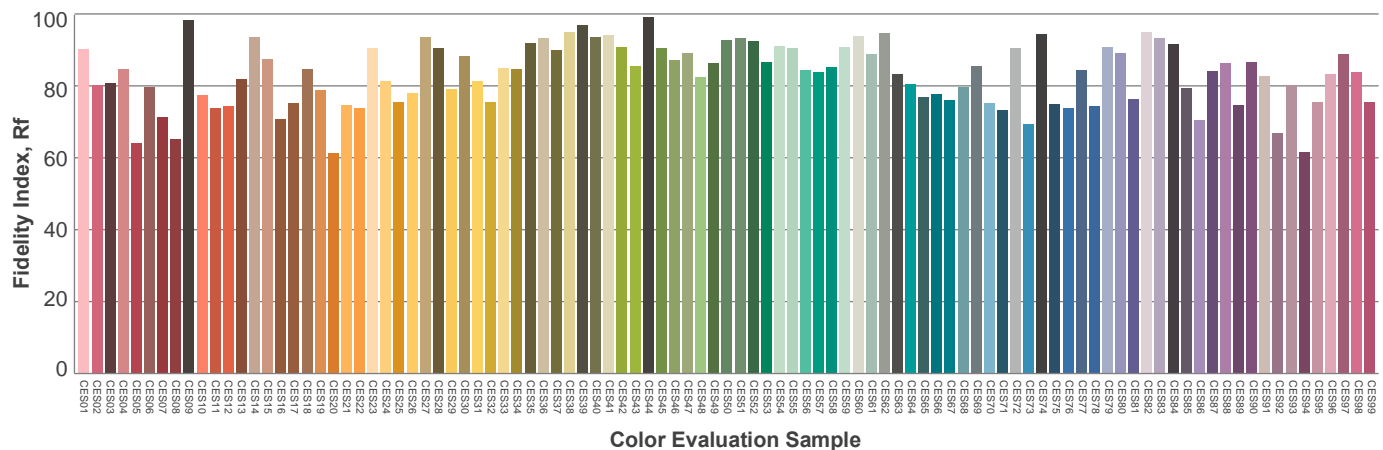
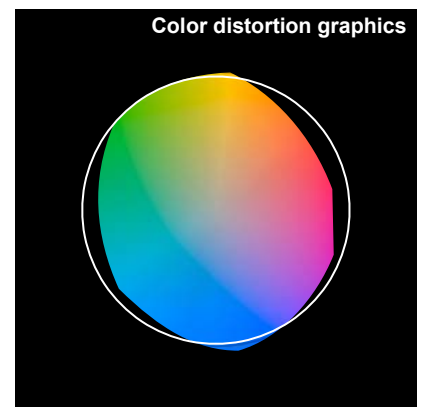
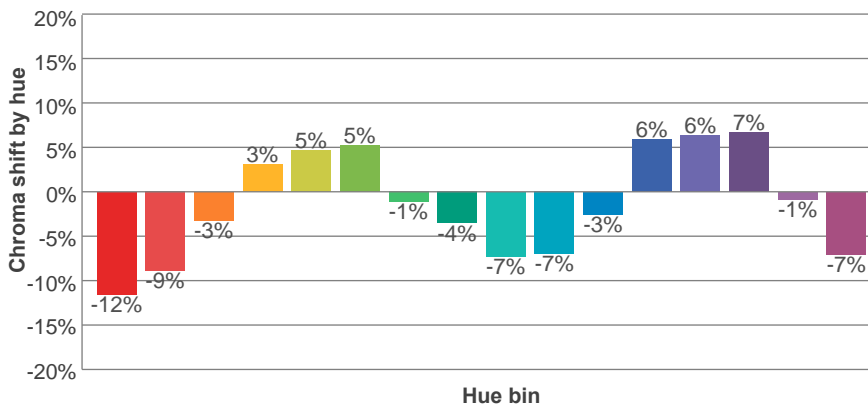
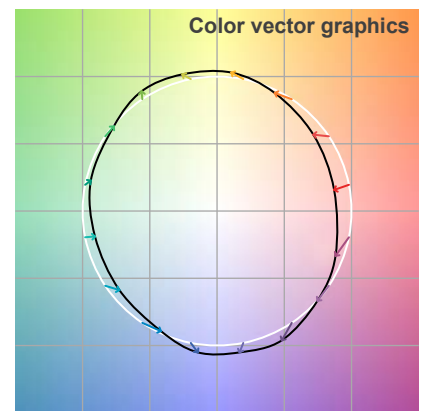
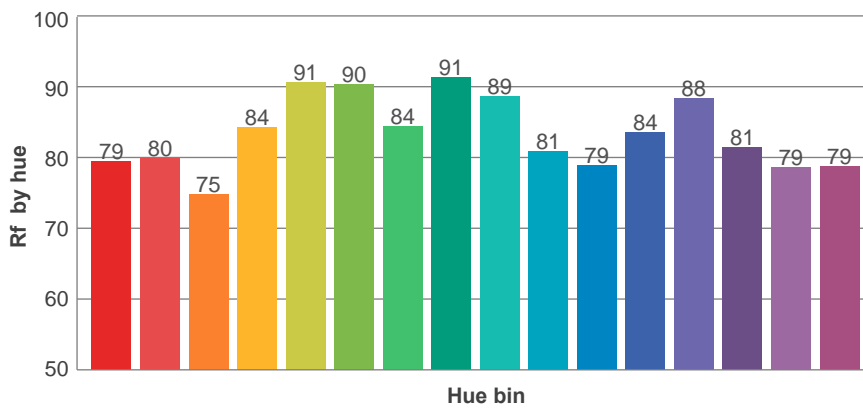
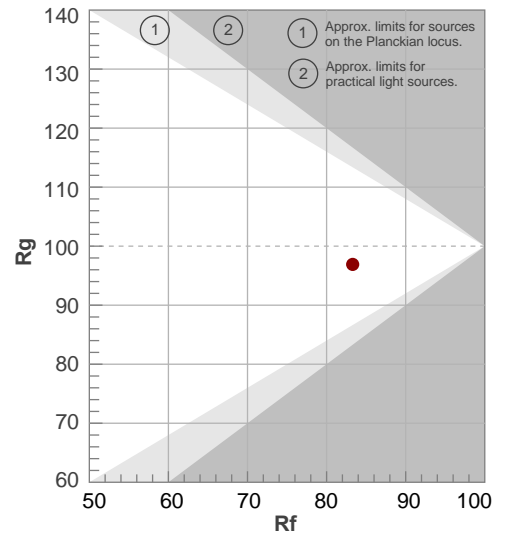
**Rf 83.3**

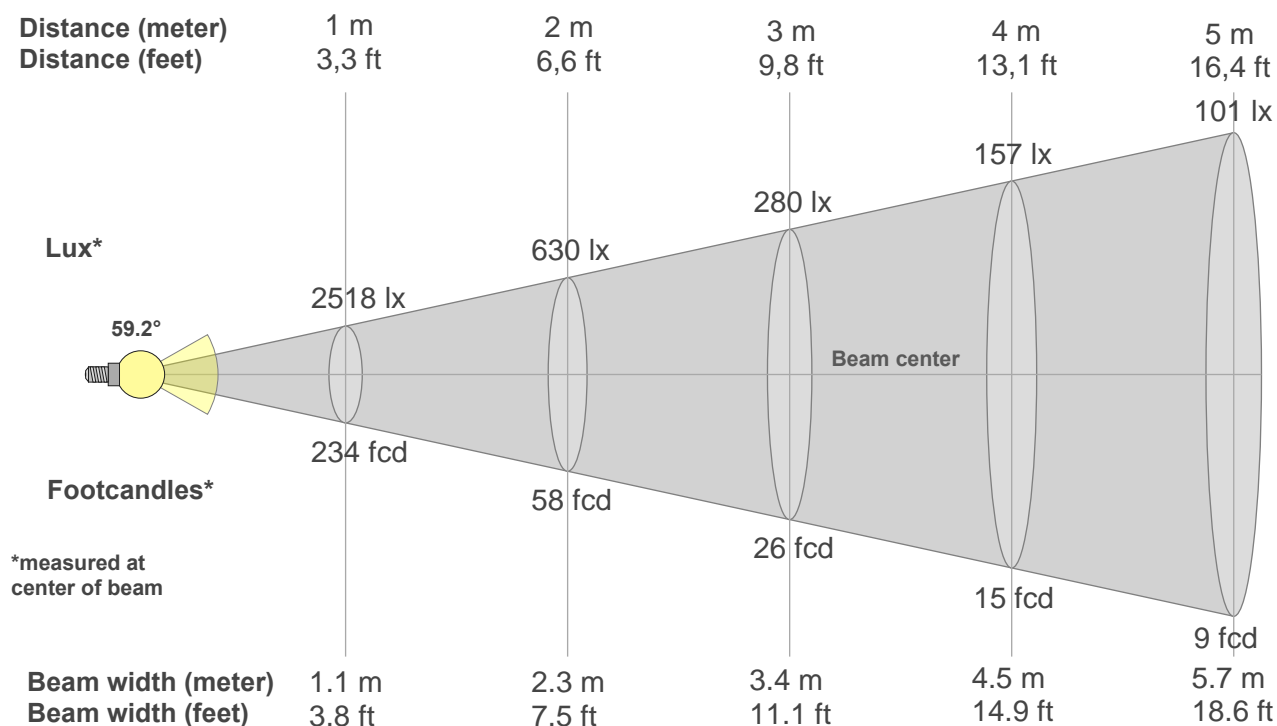
Fidelity index Rf

**Rg 96.9**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-2%
2	80	-9%	7%
3	75	-3%	13%
4	84	3%	10%
5	91	5%	5%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	89	-7%	1%
10	81	-7%	9%
11	79	-3%	15%
12	84	6%	6%
13	88	6%	-4%
14	81	7%	-13%
15	79	-1%	-14%
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
2518lx	630lx	280lx	157lx	101lx	70lx	51lx	39lx	31lx	25lx	21lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx
234fcd	58.5fcd	26fcd	14.6fcd	9.4fcd	6.5fcd	4.8fcd	3.7fcd	2.9fcd	2.3fcd	1.9fcd	1.6fcd	1.4fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

**Intensities in 0° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2518	2481	2347	2129	1851	1539	1221	925	667	458	277	148	78	45	24	12	7	5	2	1
100%	99%	93%	85%	73%	61%	48%	37%	26%	18%	11%	6%	3%	2%	1%	0%	0%	0%	0%	0%

**Intensities in 90° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2518	2488	2356	2142	1866	1561	1248	952	691	474	290	149	80	45	22	11	10	6	2	2
100%	99%	94%	85%	74%	62%	50%	38%	27%	19%	12%	6%	3%	2%	1%	0%	0%	0%	0%	0%

**Intensities in 180° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2518	2481	2347	2129	1851	1539	1221	925	667	458	277	148	78	45	24	12	7	5	2	1
100%	99%	93%	85%	73%	61%	48%	37%	26%	18%	11%	6%	3%	2%	1%	0%	0%	0%	0%	0%

**Intensities in 270° c-plane**

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2518	2488	2356	2142	1866	1561	1248	952	691	474	290	149	80	45	22	11	10	6	2	2
100%	99%	94%	85%	74%	62%	50%	38%	27%	19%	12%	6%	3%	2%	1%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	102.1°	124.3°	97.3%	86.5%