

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 81.0

Color temperature:

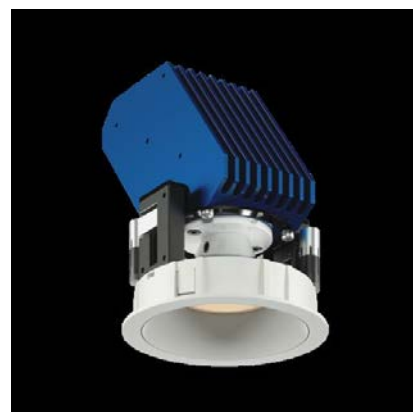
3071 K

Output: 3073 lm

Peak: 4657 cd

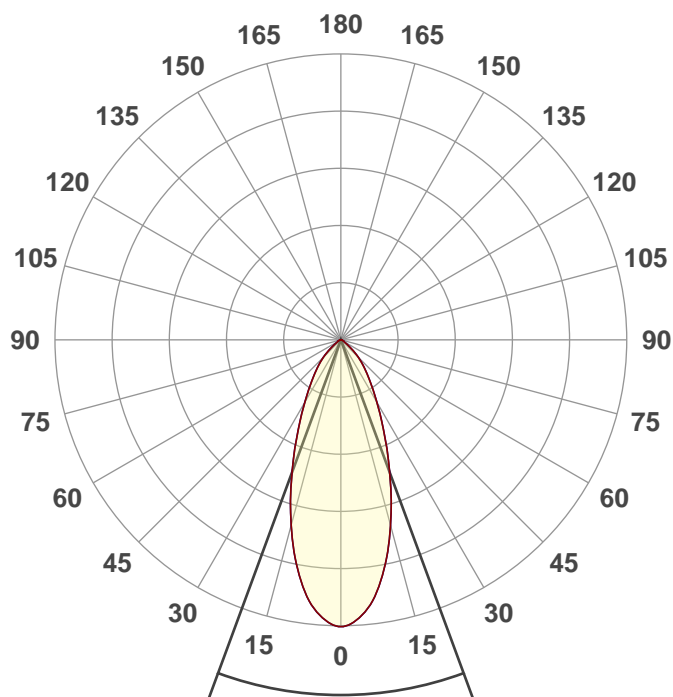
Power: 40.7 W

PF: 0.98



NU3-RD-SW-40LM-30K-80-40D-120-DIM10-NC-WH-WH

Date and time:
11/9/2020 1:40:25 PM



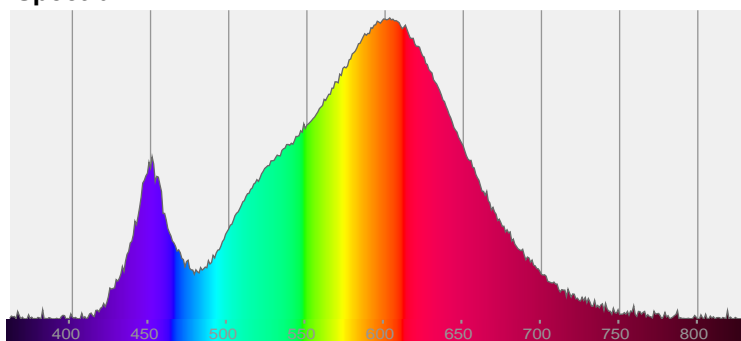
Beam angle

40.4°

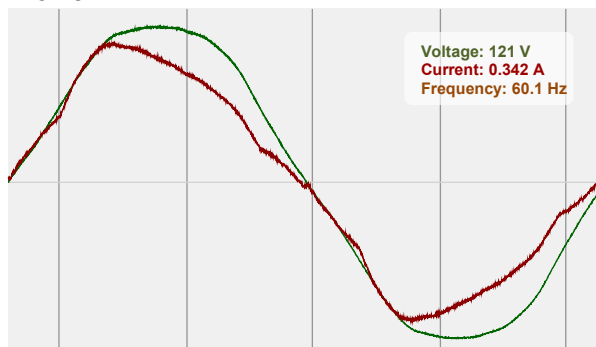


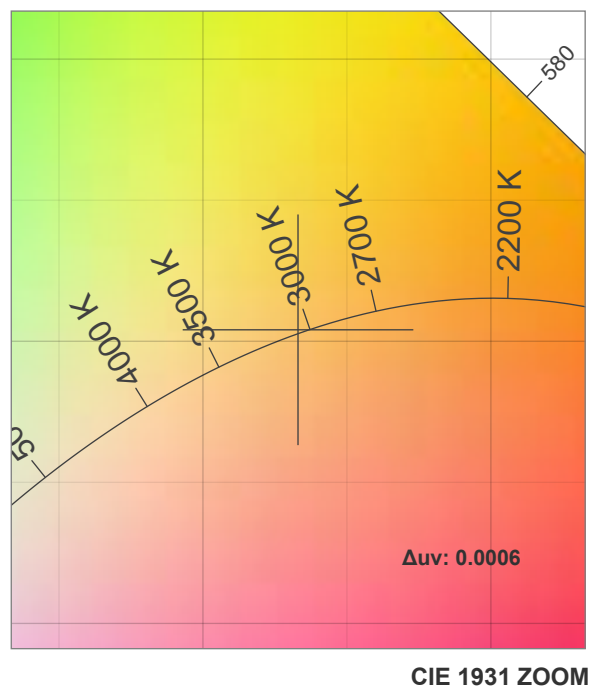
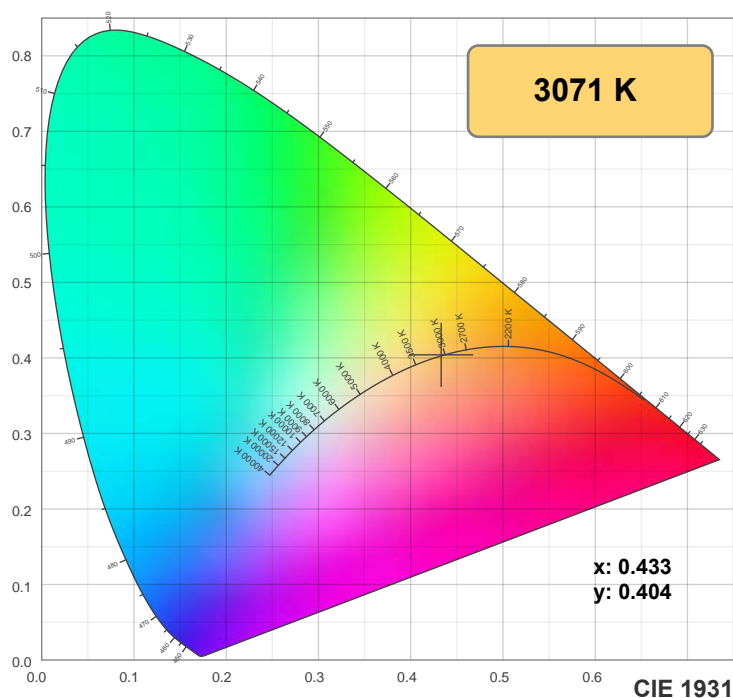
CIE 1931
x: 0.433
y: 0.404

Spectra

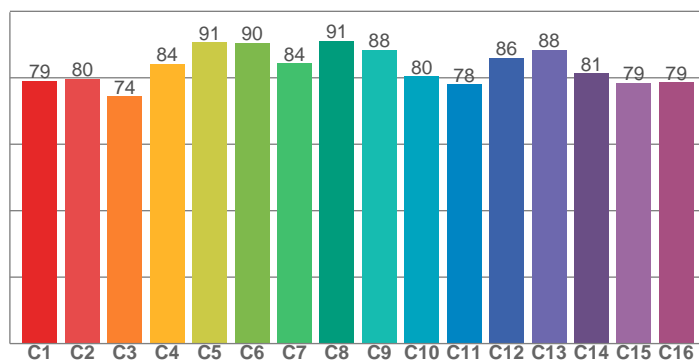


Power

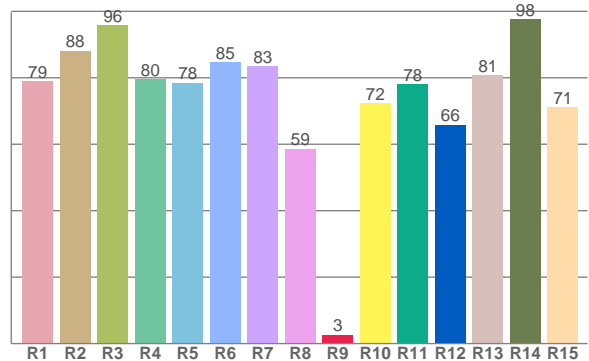




TM30: 83.1



CRI: 81.0 (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
78.9	88.1	95.8	79.6	78.5	84.6	83.5	58.6	2.6	72.4	78.0	65.9	80.8	97.6	71.1

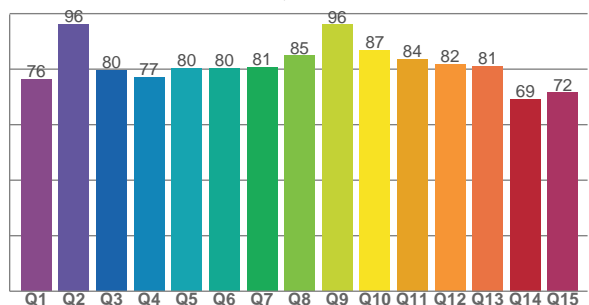
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.1	79.6	74.5	84.2	90.6	90.4	84.3	91.1	88.4	80.5	78.0	86.1	88.4	81.3	78.5	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.2	79.6	77.1	80.3	80.3	80.7	84.8	96.1	86.8	83.7	81.8	81.1	69.3	71.6

CQS: 80.2



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
3071 K	81.0	2.6	83.1	96.9	80.2	0.433	0.404	0.248	0.347	0.0006

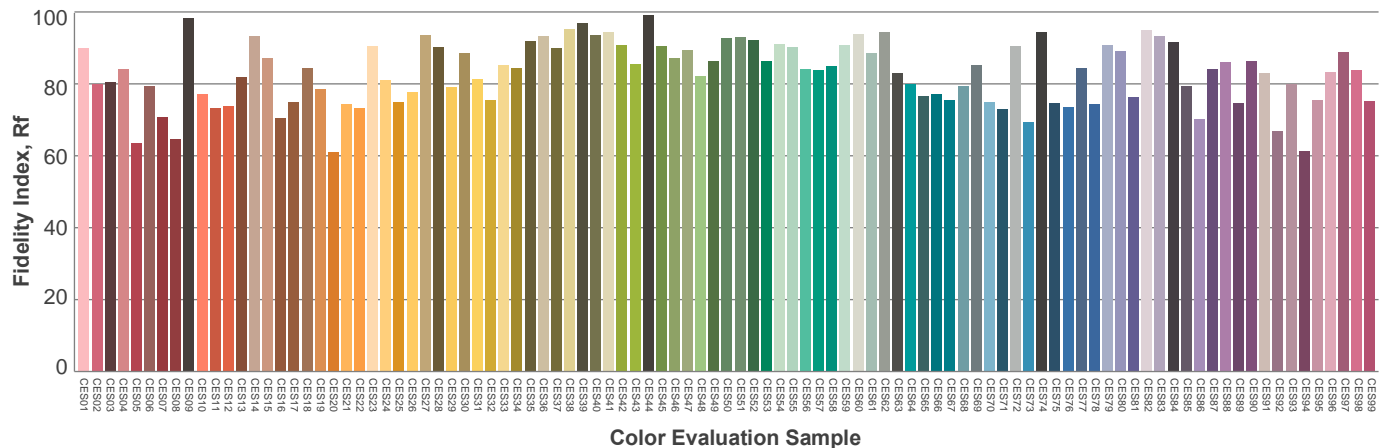
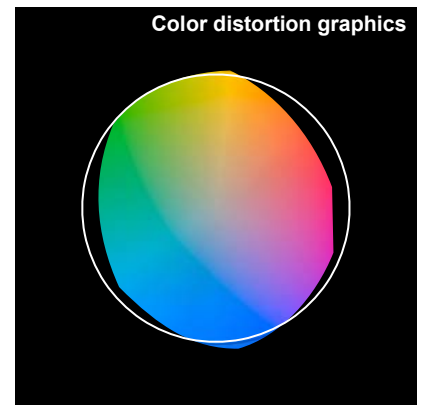
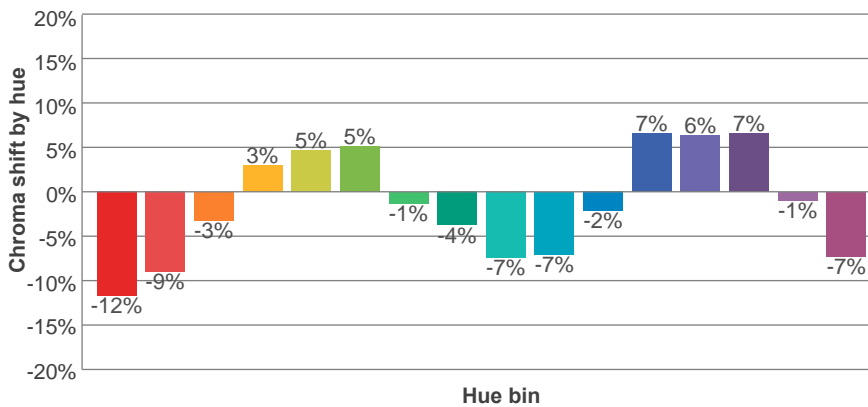
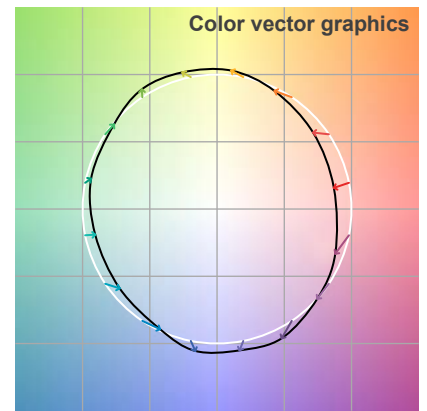
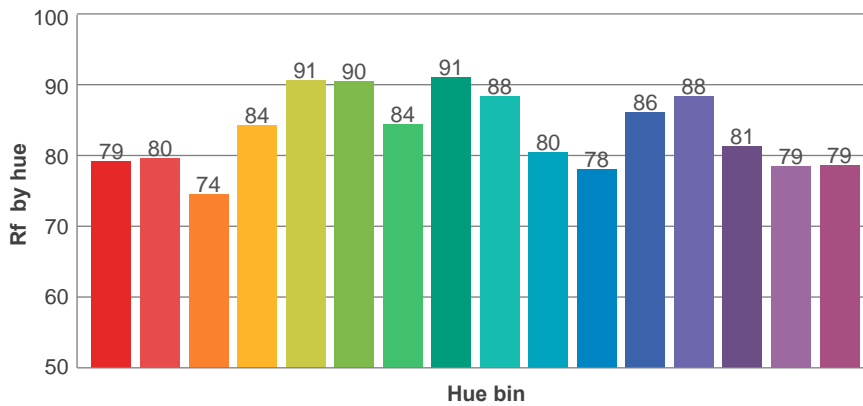
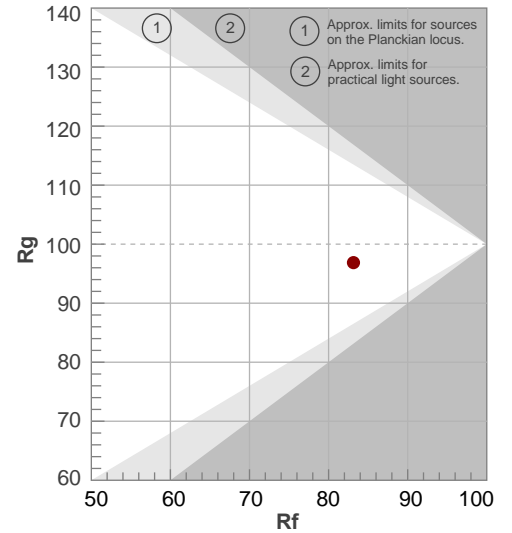
Rf 83.1

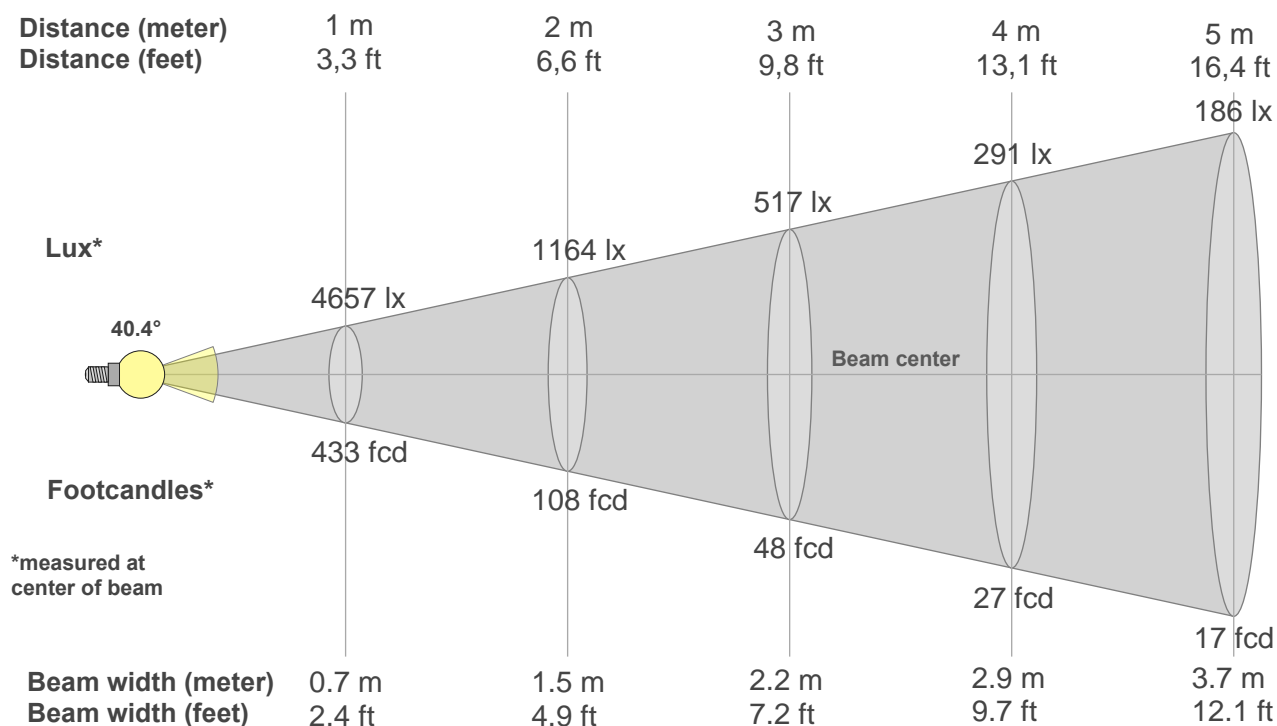
Fidelity index Rf

Rg 96.9

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	84	3%	10%
5	91	5%	5%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	88	-7%	1%
10	80	-7%	9%
11	78	-2%	14%
12	86	7%	5%
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
4657lx	1164lx	517lx	291lx	186lx	129lx	95lx	73lx	57lx	47lx	38lx	32lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
432.6fc	108.2fc	48.1fc	27fc	17.3fc	12fc	8.8fc	6.8fc	5.3fc	4.3fc	3.6fc	3fc	2.6fc	2.2fc	1.9fc	1.7fc	1.5fc	1.3fc	1.2fc	1.1fc

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°
4657	4657	4517	4375	4166	3898	3626	3305	2984	2671	2363	2064	1817	1571	1373	1196	1032	910	787	692
100%	100%	97%	94%	89%	84%	78%	71%	64%	57%	51%	44%	39%	34%	29%	26%	22%	20%	17%	15%

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°
4657	4657	4517	4375	4166	3898	3626	3305	2984	2671	2363	2064	1817	1571	1373	1196	1032	910	787	692
100%	100%	97%	94%	89%	84%	78%	71%	64%	57%	51%	44%	39%	34%	29%	26%	22%	20%	17%	15%

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°
4657	4657	4517	4375	4166	3898	3626	3305	2984	2671	2363	2064	1817	1571	1373	1196	1032	910	787	692
100%	100%	97%	94%	89%	84%	78%	71%	64%	57%	51%	44%	39%	34%	29%	26%	22%	20%	17%	15%

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°
4657	4657	4517	4375	4166	3898	3626	3305	2984	2671	2363	2064	1817	1571	1373	1196	1032	910	787	692
100%	100%	97%	94%	89%	84%	78%	71%	64%	57%	51%	44%	39%	34%	29%	26%	22%	20%	17%	15%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	86.9°	109.6°	97.7%	90.1%