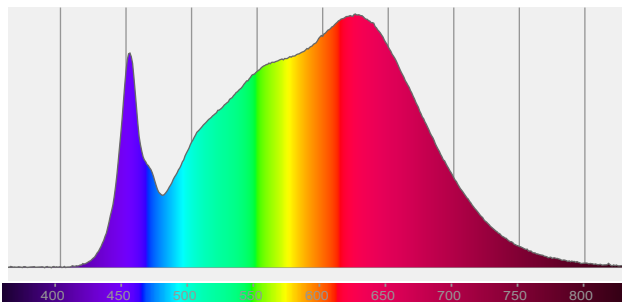
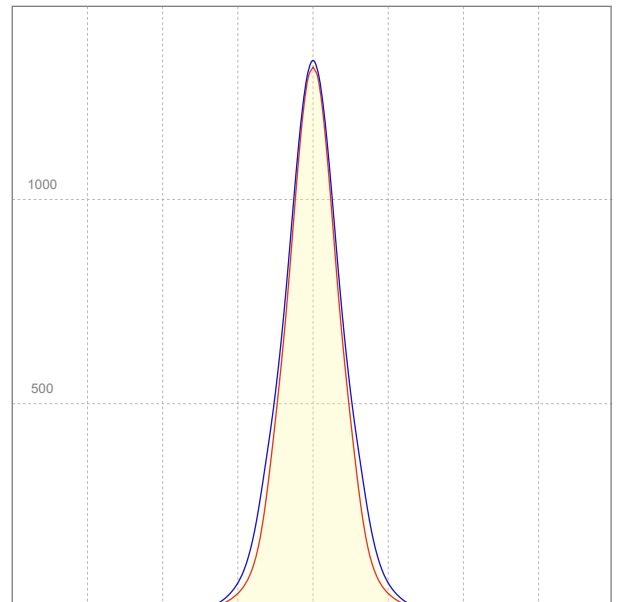
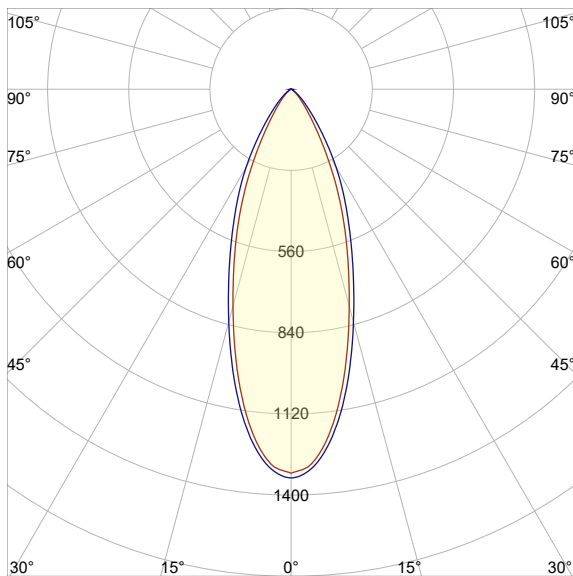


NANOSquare NCO 35°

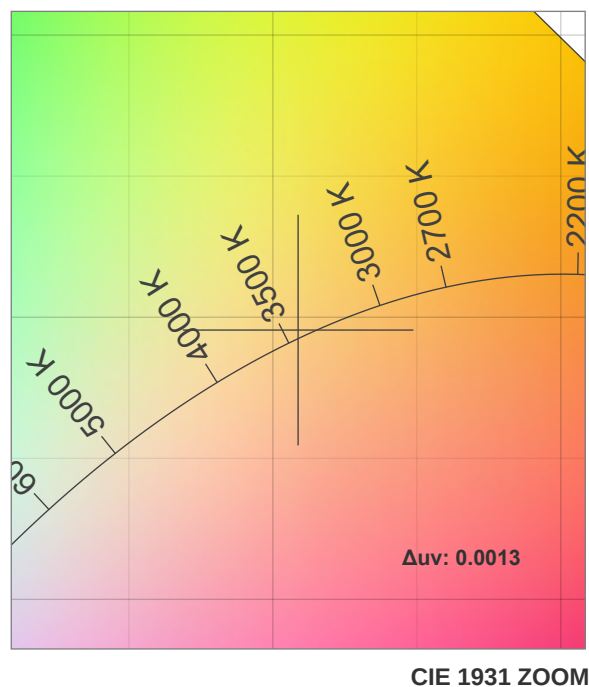
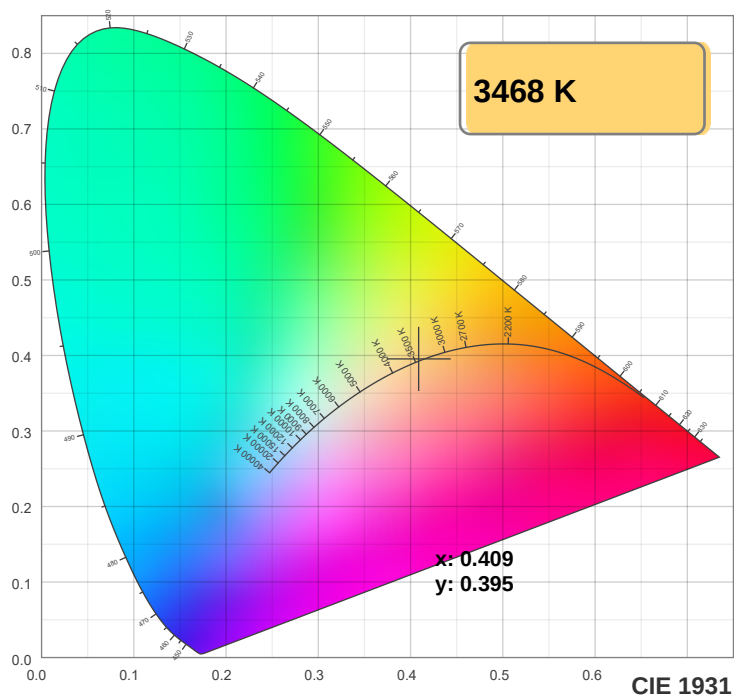
NSQ95-NCO

Light efficiency:**88 Lumen/Watt****Light quality:****CRI: 93.9****Color temperature:****3468 K****Output: 710 lm****Peak: 1339 cd****Power: 8.1 W****PF: 1.0**

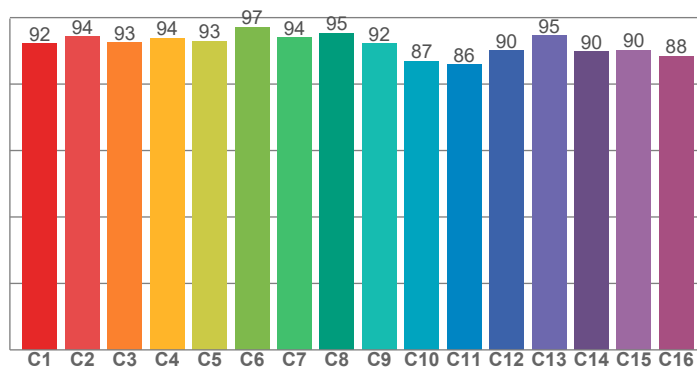
No photo

**Product name:****NANOSquare NCO 35°****Item number:****NSQ95-NCO****Configuration:****NSQ95-NCO-2FT-3590-BK-DNCO35-350LPF****Date and time:****9/7/2021 2:32:21 PM****Description:****Power Supply @ 0.51A**

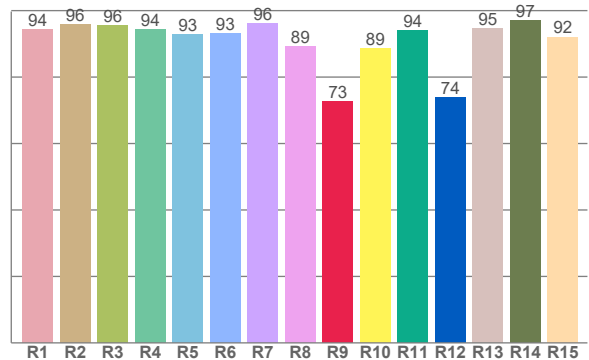
Color Details



TM-30: 91.8



CRI: 93.9 (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
94.2	95.8	95.6	94.2	93.0	93.3	96.0	89.2	72.8	88.8	93.9	73.8	94.6	97.0	92.1

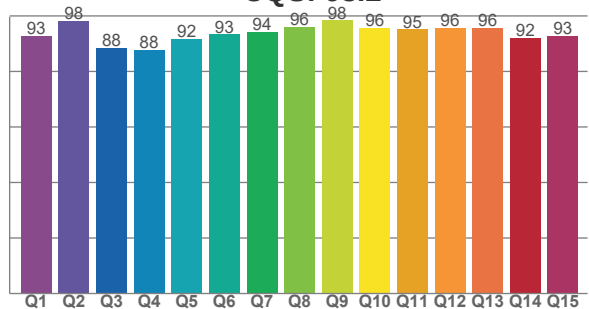
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.2	94.3	92.5	93.8	92.9	97.2	94.1	95.3	92.2	87.0	85.9	90.2	94.5	89.9	90.2	88.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.7	98.3	88.4	87.7	91.7	93.3	94.3	96.0	98.4	95.8	95.2	95.5	95.8	92.2	92.6

CQS: 93.2



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
3468 K	93.9	72.8	91.8	98.8	93.2	0.409	0.395	0.236	0.342	0.0013

TM-30 Details

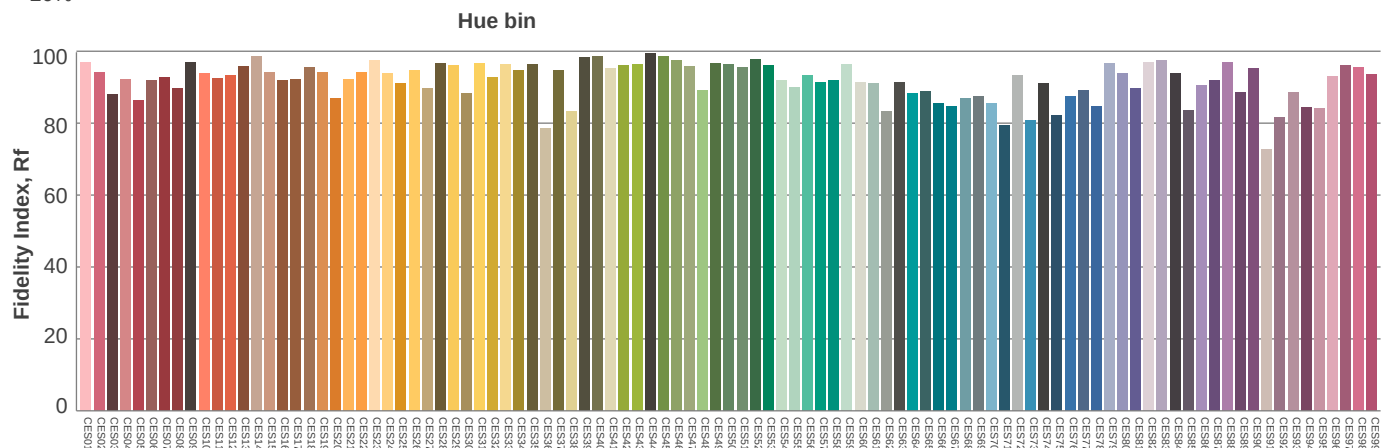
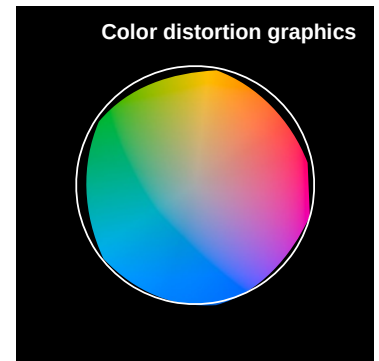
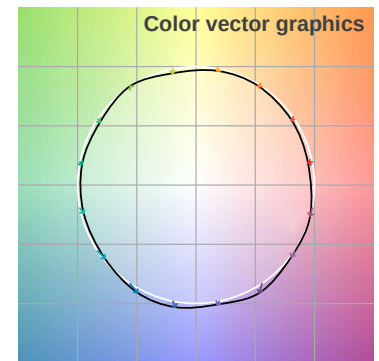
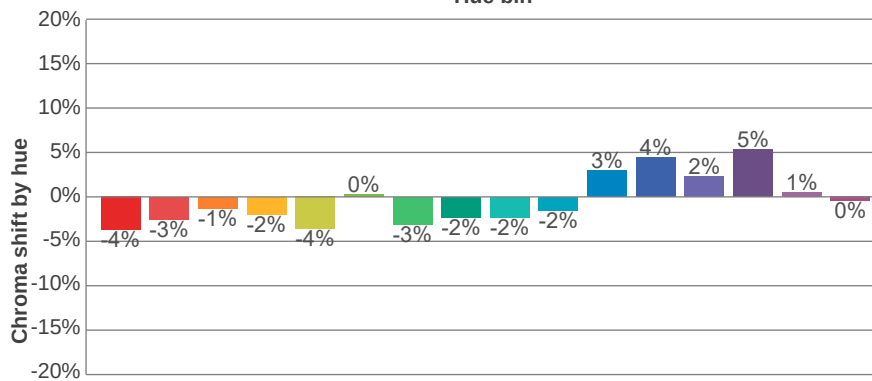
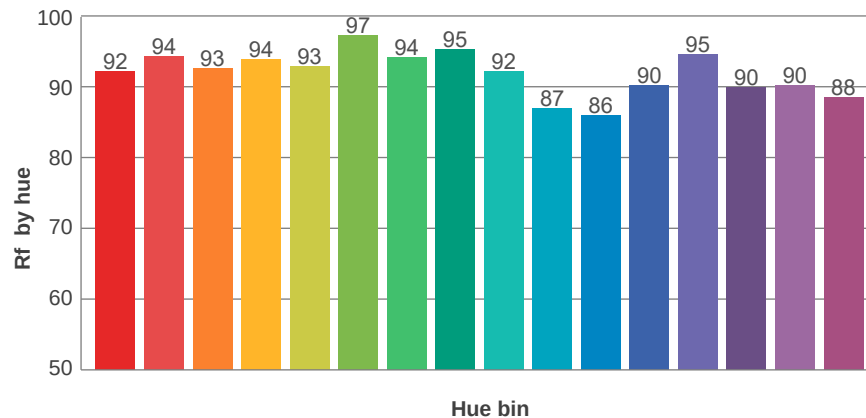
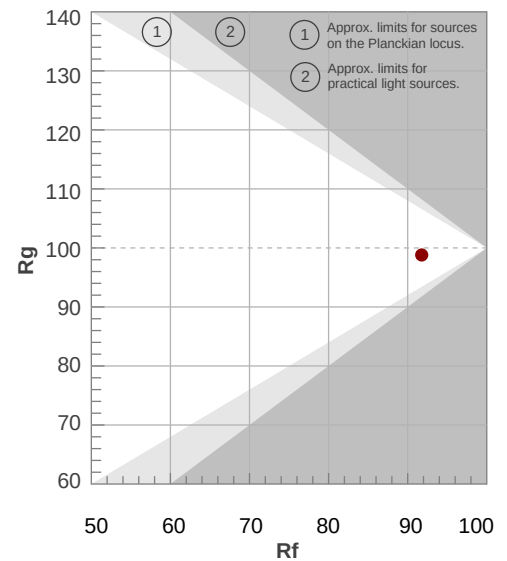
Rf 91.8

Fidelity index Rf

Rg 98.8

Gamut index Rg

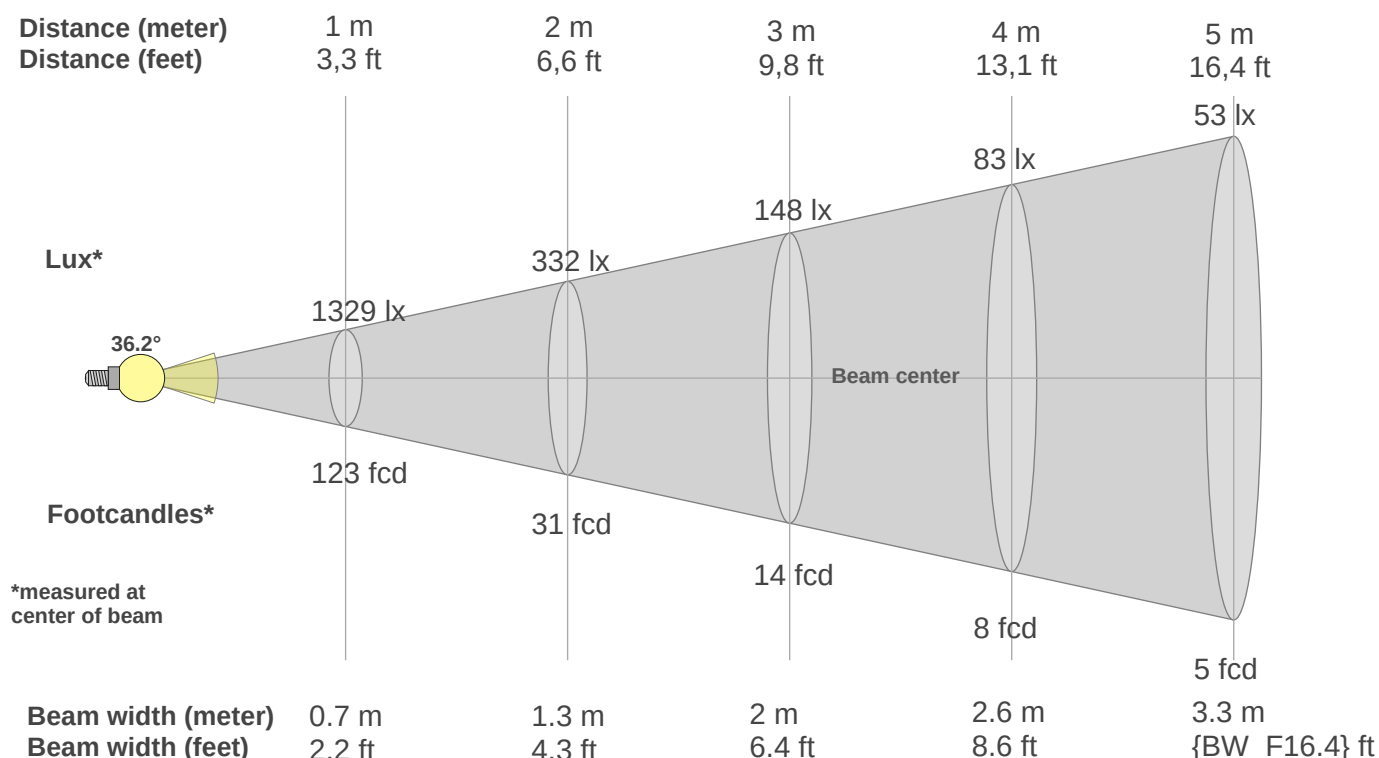
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-4%	0%
2	94	-3%	1%
3	93	-1%	3%
4	94	-2%	1%
5	93	-4%	1%
6	97	0%	0%
7	94	-3%	1%
8	95	-2%	2%
9	92	-2%	5%
10	87	-2%	9%
11	86	3%	9%
12	90	4%	3%
13	95	2%	-2%
14	90	5%	-6%
15	90	1%	-6%
16	88	0%	-7%



NANOSquare NCO 35°

NSQ95-NCO

Beam details



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
1329lx	332lx	148lx	83lx	53lx	37lx	27lx	21lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
123.5fcd	30.9fcd	13.7fcd	7.7fcd	4.9fcd	3.4fcd	2.5fcd	1.9fcd	1.5fcd	1.2fcd	1fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd

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°
1329	1307	1268	1205	1125	1029	927	825	728	638	556	479	405	335	268	212	166	129	101	79
100%	98%	95%	91%	85%	77%	70%	62%	55%	48%	42%	36%	30%	25%	20%	16%	12%	10%	8%	6%

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°
1329	1323	1289	1232	1156	1070	976	879	785	698	618	545	479	419	364	309	257	210	168	136
100%	100%	97%	93%	87%	80%	73%	66%	59%	52%	46%	41%	36%	32%	27%	23%	19%	16%	13%	10%

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°
1329	1307	1268	1205	1125	1029	927	825	728	638	556	479	405	335	268	212	166	129	101	79
100%	98%	95%	91%	85%	77%	70%	62%	55%	48%	42%	36%	30%	25%	20%	16%	12%	10%	8%	6%

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°
1329	1323	1289	1232	1156	1070	976	879	785	698	618	545	479	419	364	309	257	210	168	136
100%	100%	97%	93%	87%	80%	73%	66%	59%	52%	46%	41%	36%	32%	27%	23%	19%	16%	13%	10%

Glare evaluation according to UGR

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