

Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 89.7

Color temperature:

3131 K

Output: 2436 lm

Peak: 3746 cd

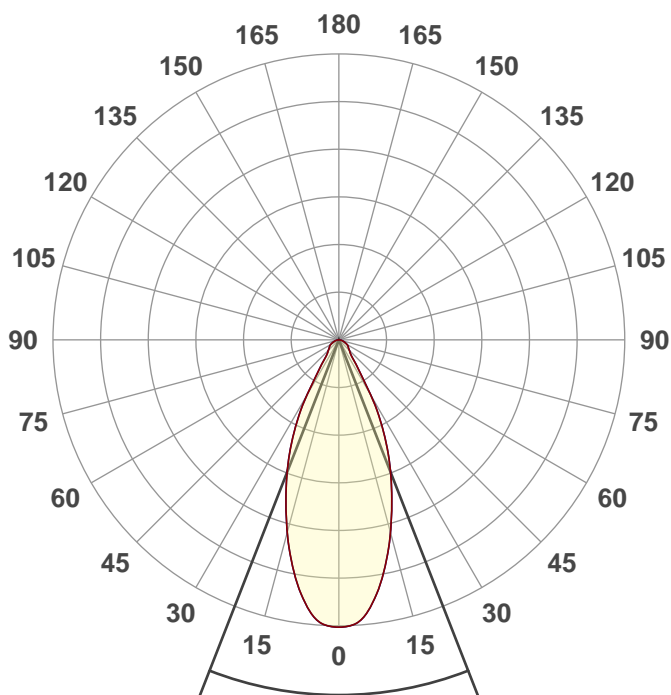
Power: 33.8 W

PF: 0.98



350442-40LM-30K-90-50-120-ELV-BK-SNOOTBK

Date and time:  
11/4/2019 10:26:31 AM



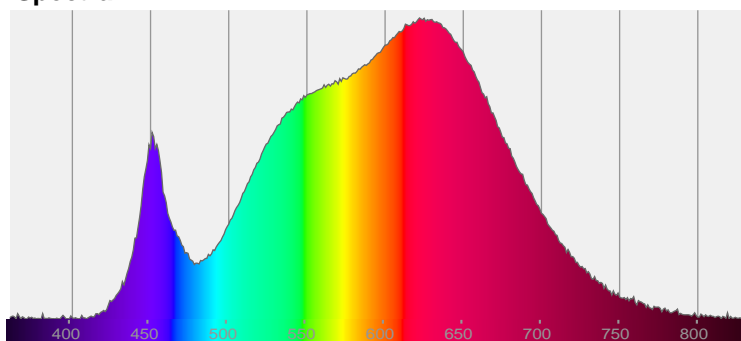
Beam angle

42.7°

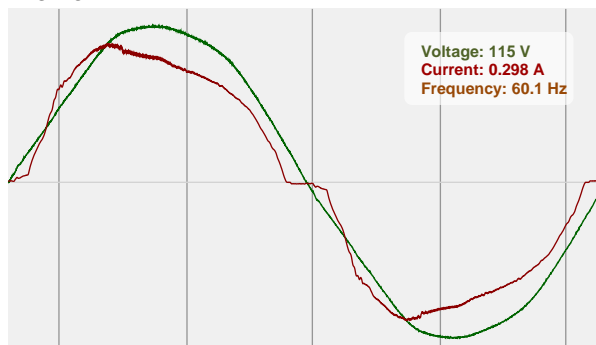


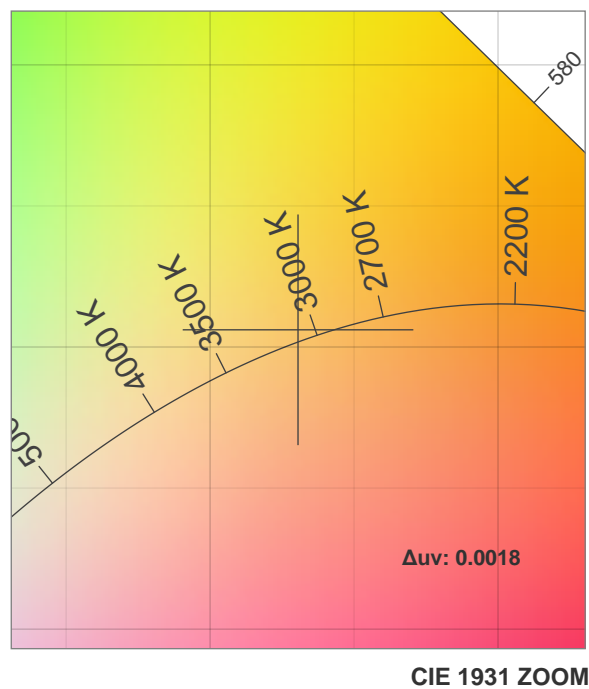
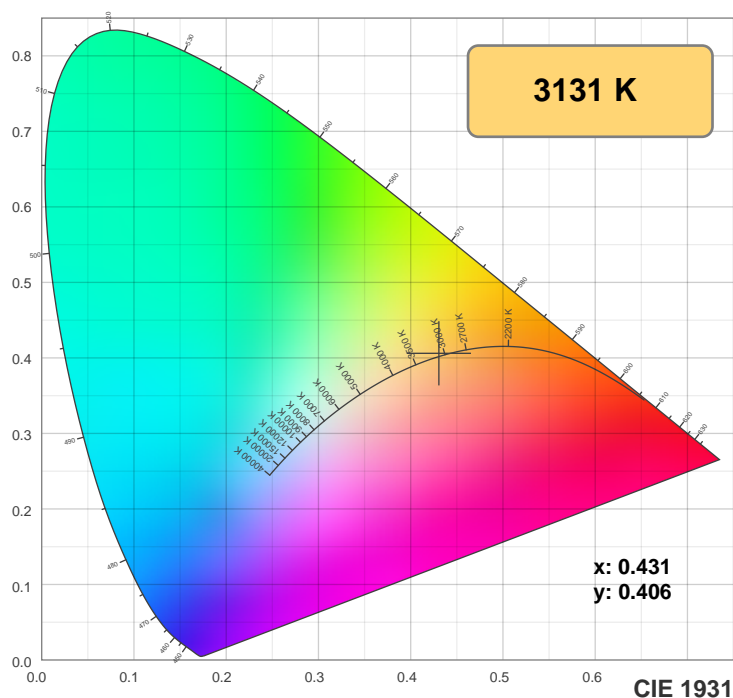
CIE 1931  
x: 0.431  
y: 0.406

Spectra

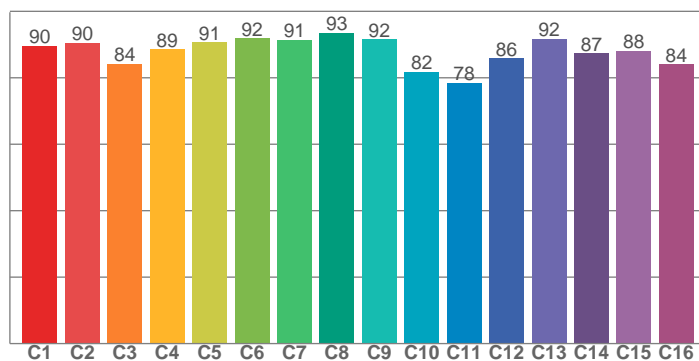


Power

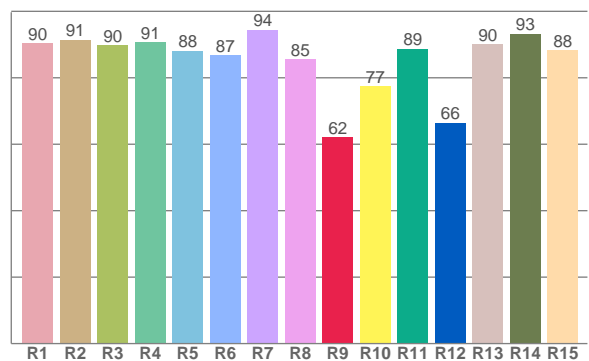




**TM30: 87.9**



**CRI: 89.7 (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
90.3	91.5	89.7	90.8	88.1	86.9	94.5	85.5	62.1	77.4	88.8	66.5	90.2	93.2	88.3

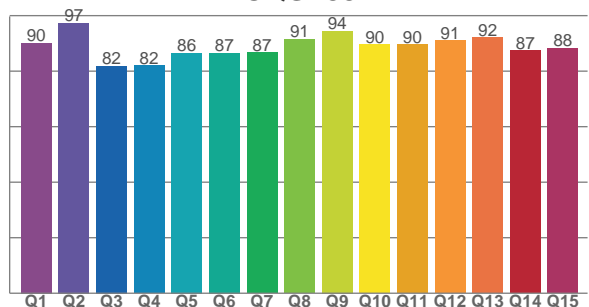
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.6	90.4	84.2	88.5	90.6	91.9	91.4	93.5	91.6	81.7	78.4	85.8	91.7	87.4	88.0	84.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.1	97.4	81.9	82.0	86.5	86.6	86.7	91.5	94.4	89.6	89.6	91.0	92.0	87.4	88.2

**CQS: 88.2**



## 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
3131 K	89.7	62.1	87.9	100.5	88.2	0.431	0.406	0.246	0.347	0.0018

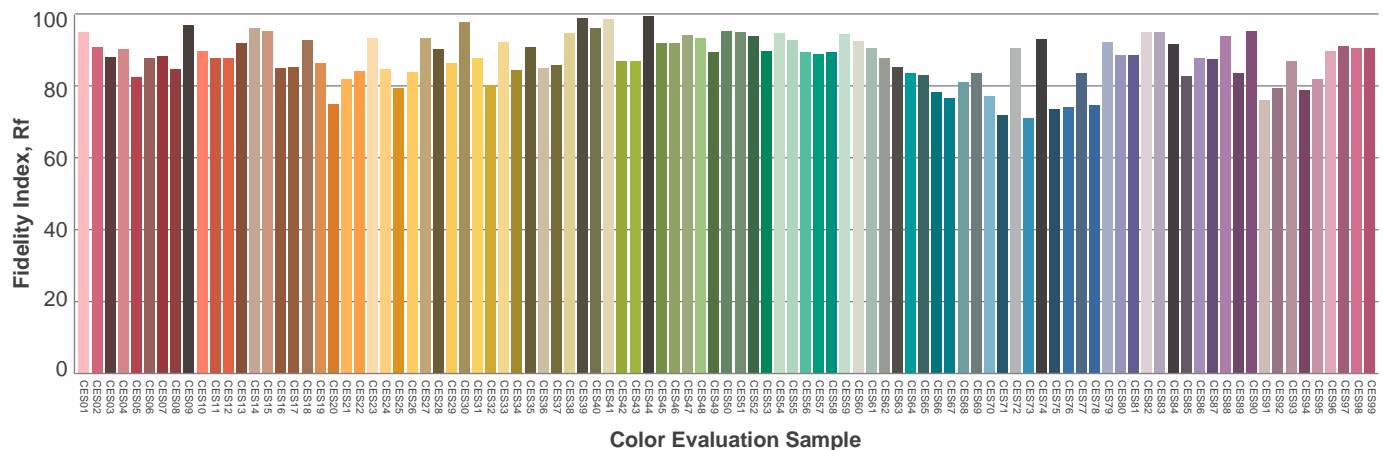
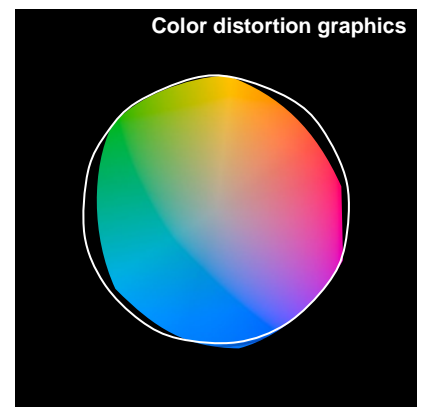
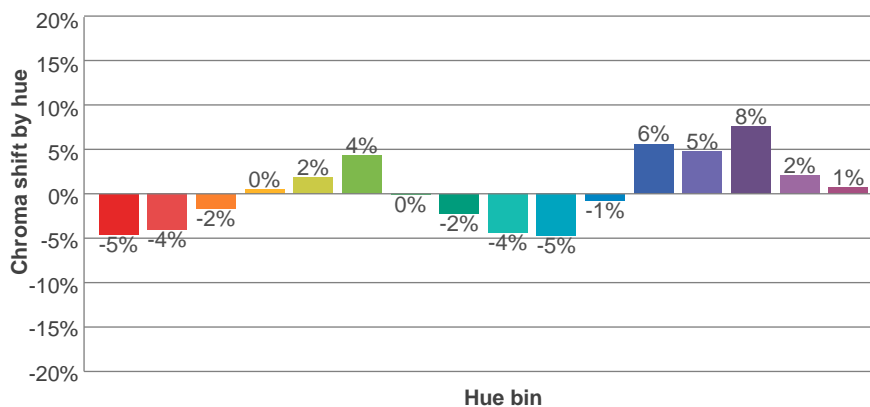
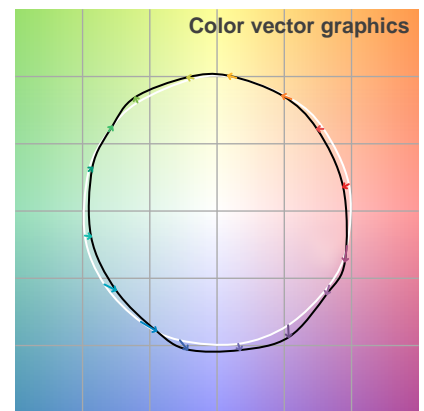
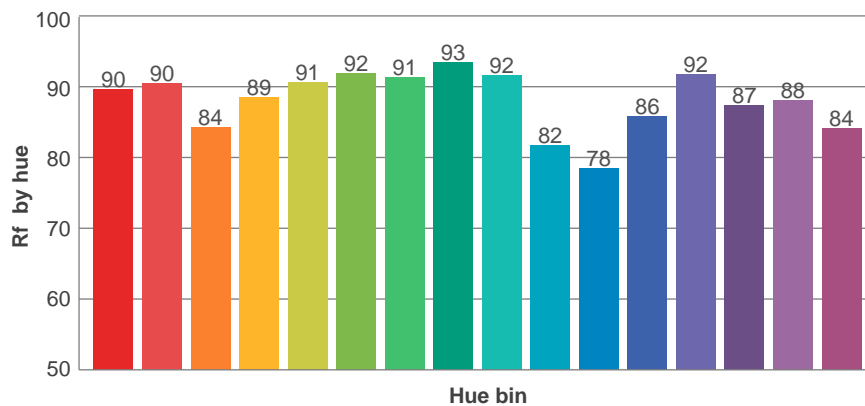
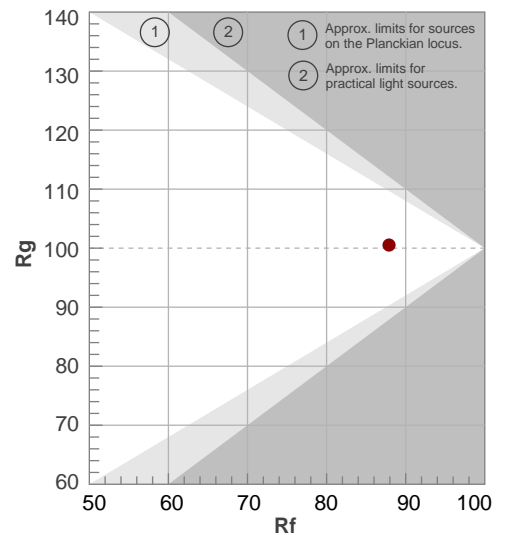
**Rf 87.9**

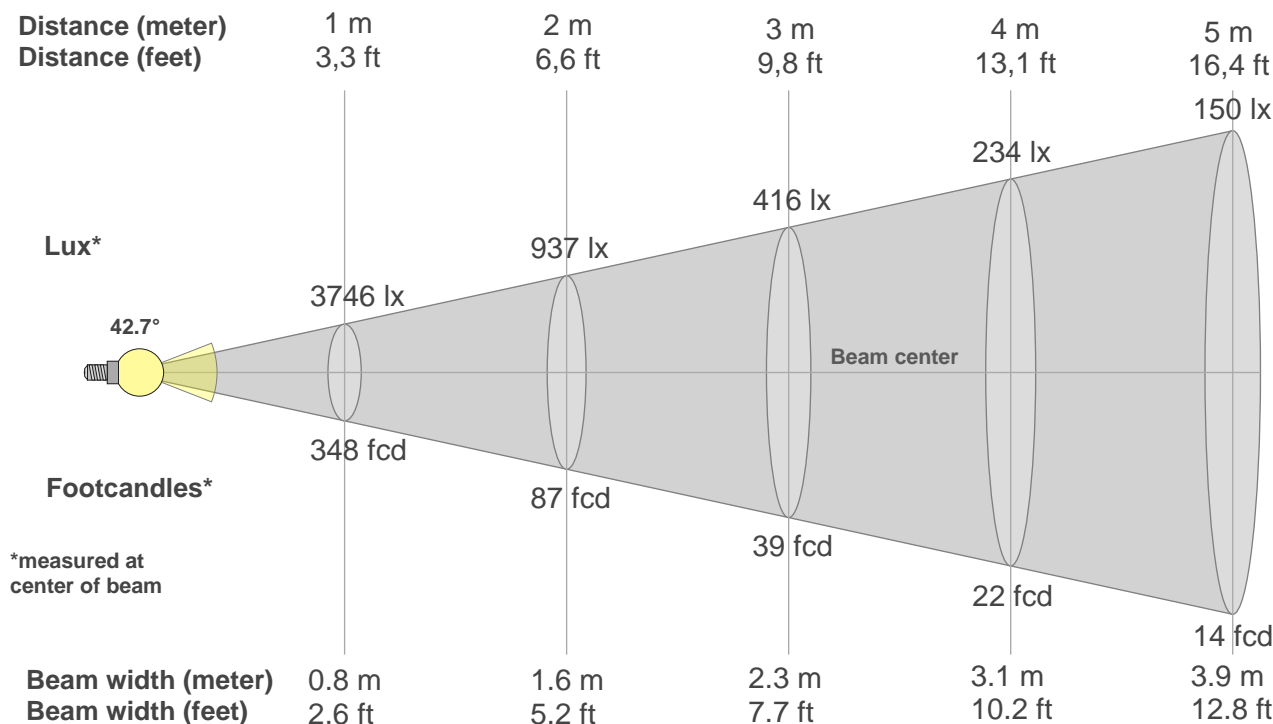
Fidelity index Rf

**Rg 100.5**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	90	-5%	-1%
2	90	-4%	3%
3	84	-2%	7%
4	89	0%	6%
5	91	2%	4%
6	92	4%	-1%
7	91	0%	-4%
8	93	-2%	-3%
9	92	-4%	2%
10	82	-5%	8%
11	78	-1%	13%
12	86	6%	7%
13	92	5%	1%
14	87	8%	-5%
15	88	2%	-6%
16	84	1%	-12%





**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
3746lx	937lx	416lx	234lx	150lx	104lx	76lx	59lx	46lx	37lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
348fcd	87fcd	38.7fcd	21.8fcd	13.9fcd	9.7fcd	7.1fcd	5.4fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.5fcd	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°
3746	3746	3708	3564	3420	3212	2985	2753	2506	2259	2027	1799	1570	1337	1105	873	642	455	367	278
100%	100%	99%	95%	91%	86%	80%	73%	67%	60%	54%	48%	42%	36%	29%	23%	17%	12%	10%	7%

**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°
3746	3746	3708	3564	3420	3212	2985	2753	2506	2259	2027	1799	1570	1337	1105	873	642	455	367	278
100%	100%	99%	95%	91%	86%	80%	73%	67%	60%	54%	48%	42%	36%	29%	23%	17%	12%	10%	7%

**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°
3746	3746	3708	3564	3420	3212	2985	2753	2506	2259	2027	1799	1570	1337	1105	873	642	455	367	278
100%	100%	99%	95%	91%	86%	80%	73%	67%	60%	54%	48%	42%	36%	29%	23%	17%	12%	10%	7%

**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°
3746	3746	3708	3564	3420	3212	2985	2753	2506	2259	2027	1799	1570	1337	1105	873	642	455	367	278
100%	100%	99%	95%	91%	86%	80%	73%	67%	60%	54%	48%	42%	36%	29%	23%	17%	12%	10%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	71.7°	131°	93.3%	85.0%