

Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 89.9

Color temperature:

3137 K

Output: 1938 lm

Peak: 3180 cd

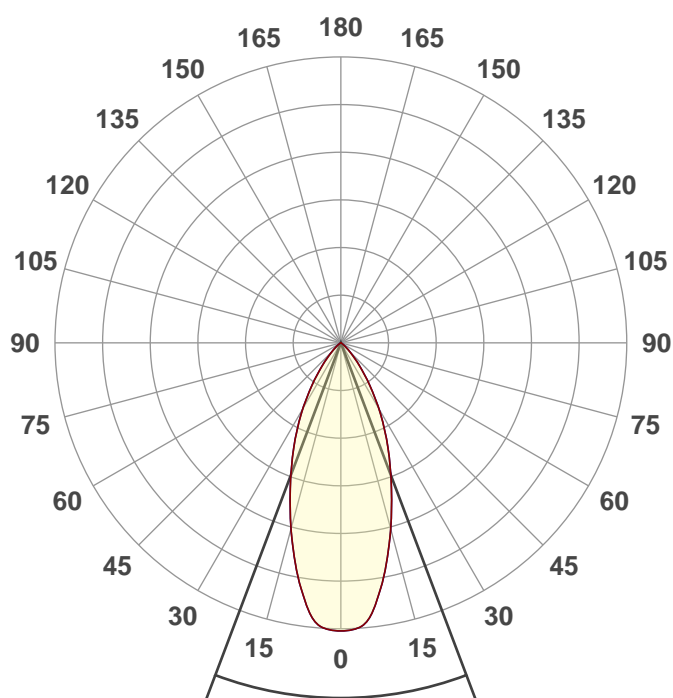
Power: 34.1 W

PF: 0.98



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

Date and time:
11/4/2019 10:30:23 AM



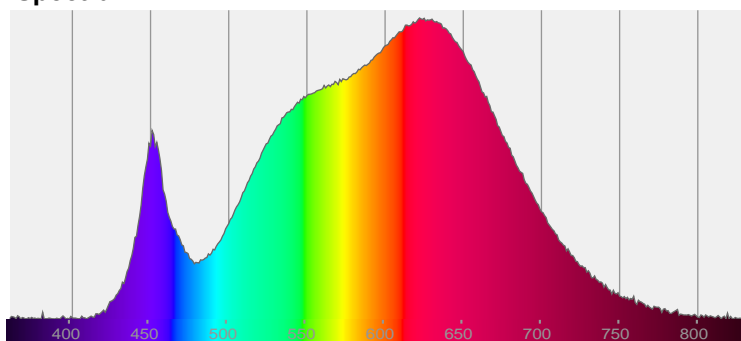
Beam angle

41.4°

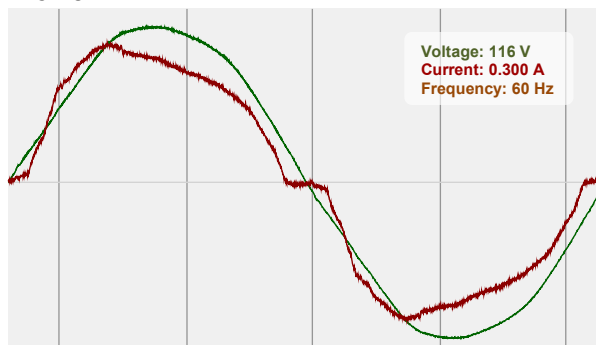


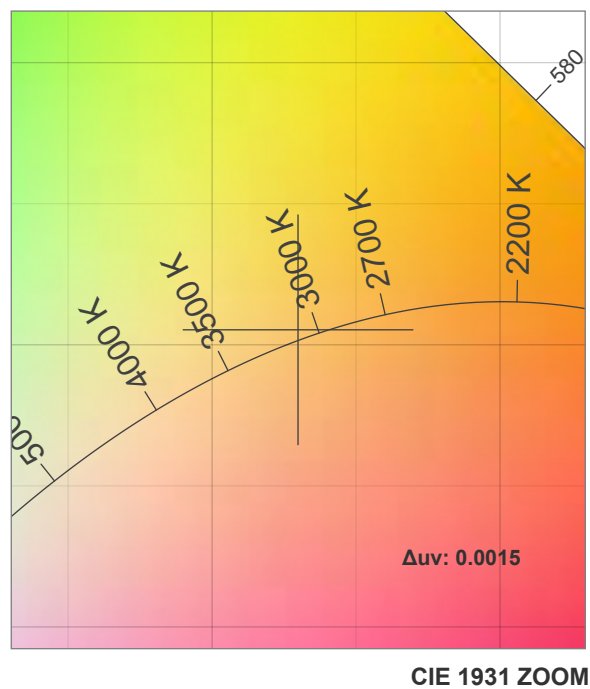
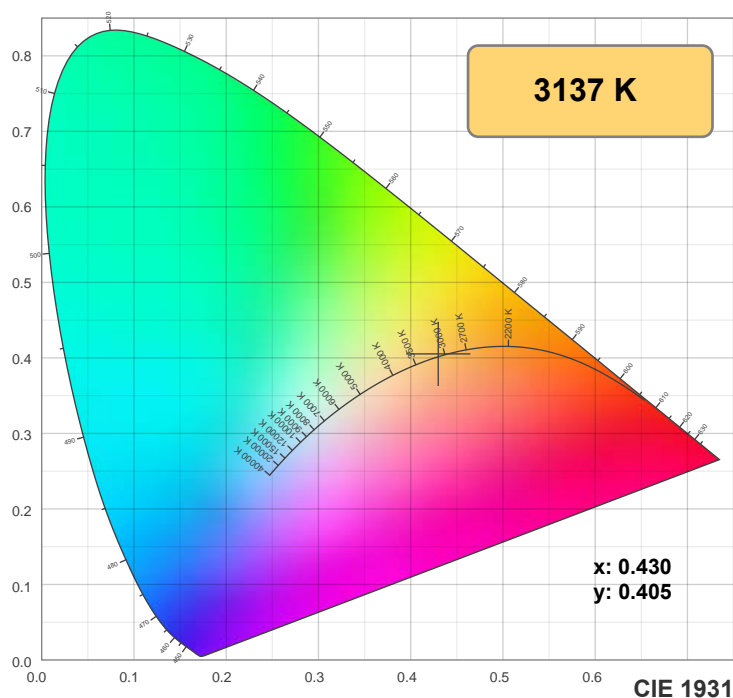
CIE 1931
x: 0.430
y: 0.405

Spectra

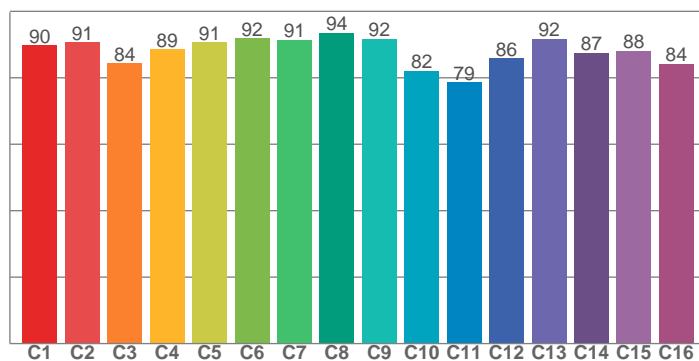


Power

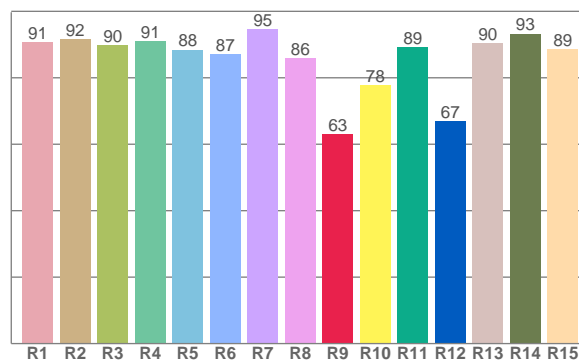




TM30: 88.0



CRI: 89.9 (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
90.6	91.7	89.8	91.0	88.4	87.2	94.5	85.8	63.0	77.8	89.1	67.0	90.5	93.3	88.7

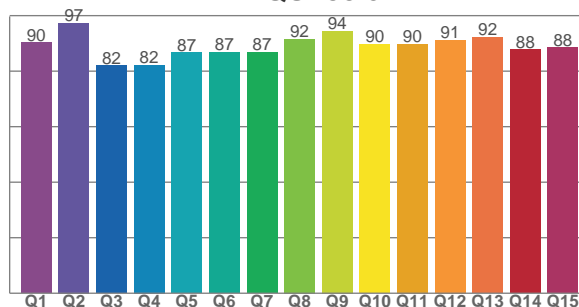
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.8	90.6	84.4	88.6	90.6	91.8	91.5	93.5	91.8	82.0	78.6	85.9	91.7	87.5	88.2	84.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.3	97.4	82.0	82.2	86.7	86.8	86.8	91.5	94.4	89.7	89.7	91.2	92.2	87.7	88.5

CQS: 88.3



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
3137 K	89.9	63.0	88.0	100.7	88.3	0.430	0.405	0.245	0.347	0.0015

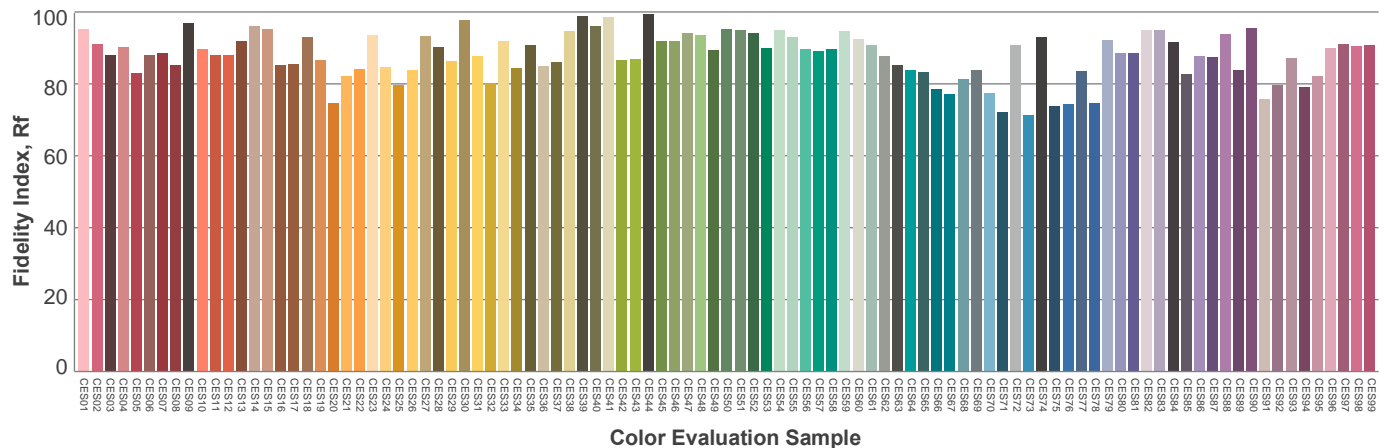
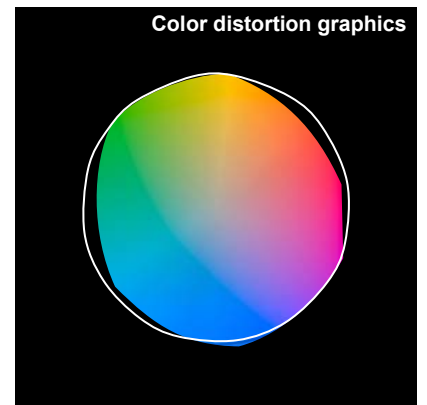
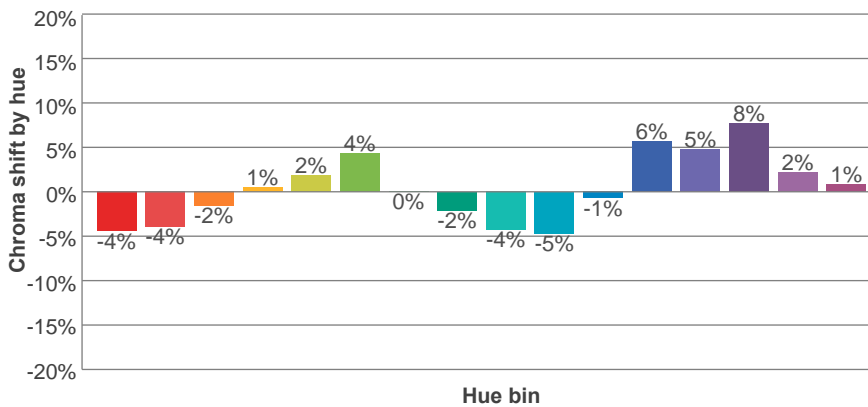
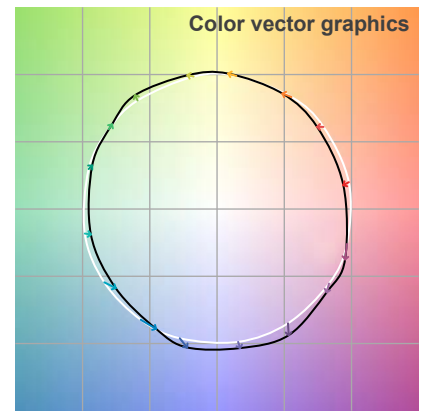
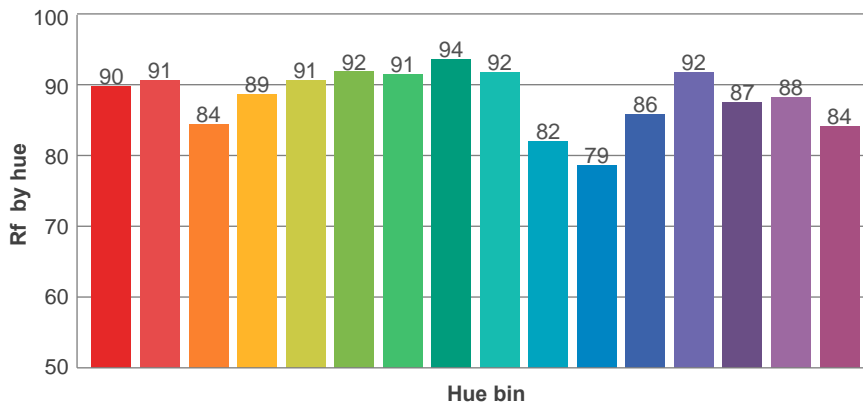
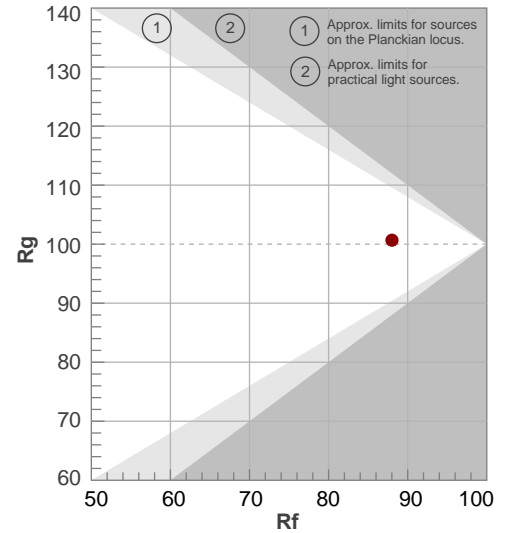
Rf 88.0

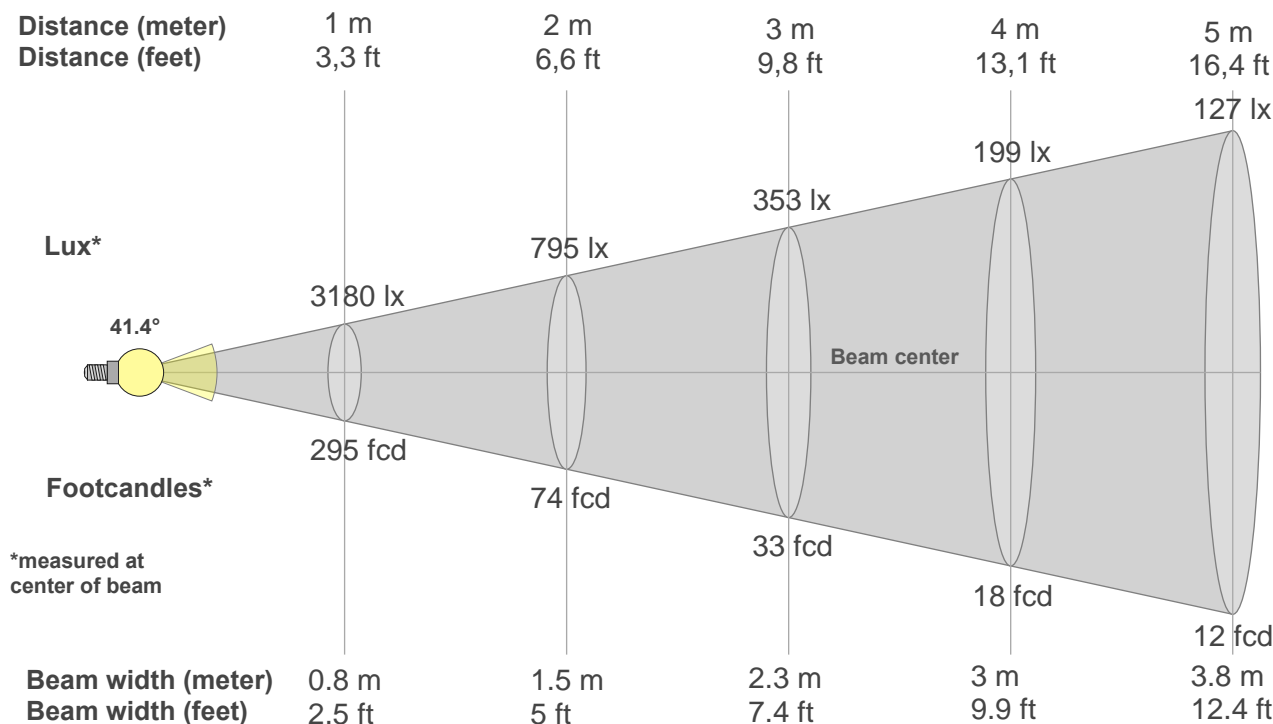
Fidelity index Rf

Rg 100.7

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	90	-4%	-1%
2	91	-4%	3%
3	84	-2%	7%
4	89	1%	6%
5	91	2%	4%
6	92	4%	-1%
7	91	0%	-4%
8	94	-2%	-3%
9	92	-4%	1%
10	82	-5%	8%
11	79	-1%	13%
12	86	6%	7%
13	92	5%	1%
14	87	8%	-4%
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
3180lx	795lx	353lx	199lx	127lx	88lx	65lx	50lx	39lx	32lx	26lx	22lx	19lx	16lx	14lx	12lx	11lx	10lx	9lx	8lx
295.4fcd	73.9fcd	32.8fcd	18.5fcd	11.8fcd	8.2fcd	6fcd	4.6fcd	3.6fcd	3fcd	2.4fcd	2.1fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd

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°
3180	3180	3180	3037	2879	2697	2480	2262	2053	1845	1651	1477	1302	1149	998	855	721	588	486	385
100%	100%	100%	96%	91%	85%	78%	71%	65%	58%	52%	46%	41%	36%	31%	27%	23%	18%	15%	12%

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°
3180	3180	3180	3037	2879	2697	2480	2262	2053	1845	1651	1477	1302	1149	998	855	721	588	486	385
100%	100%	100%	96%	91%	85%	78%	71%	65%	58%	52%	46%	41%	36%	31%	27%	23%	18%	15%	12%

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°
3180	3180	3180	3037	2879	2697	2480	2262	2053	1845	1651	1477	1302	1149	998	855	721	588	486	385
100%	100%	100%	96%	91%	85%	78%	71%	65%	58%	52%	46%	41%	36%	31%	27%	23%	18%	15%	12%

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°
3180	3180	3180	3037	2879	2697	2480	2262	2053	1845	1651	1477	1302	1149	998	855	721	588	486	385
100%	100%	100%	96%	91%	85%	78%	71%	65%	58%	52%	46%	41%	36%	31%	27%	23%	18%	15%	12%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	78.9°	97.9°	99.4%	95.7%