

Light efficiency:

72 Lumen/Watt

Light quality:

CRI: 95.5

Color temperature:

3157 K

Output: 1195 lm

Peak: 1623 cd

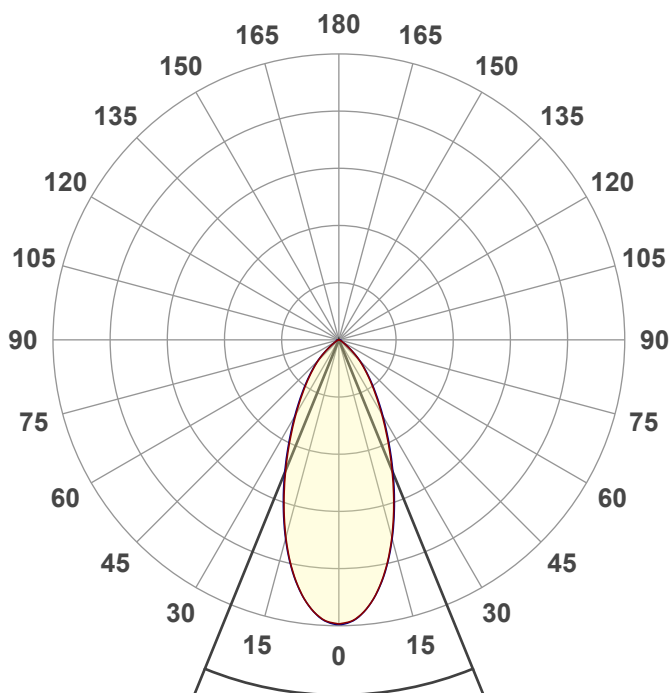
Power: 16.7 W

PF: 0.97



BETA-3R-WD-15LM-3018-97-HE45-WH-WH

Date and time:
12/30/2022 12:14:44 PM



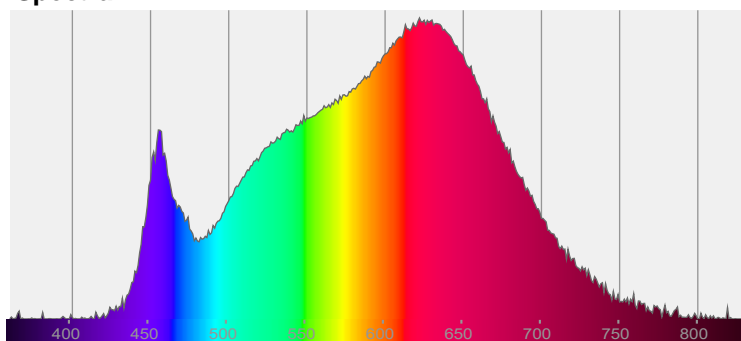
Beam angle

44.3°

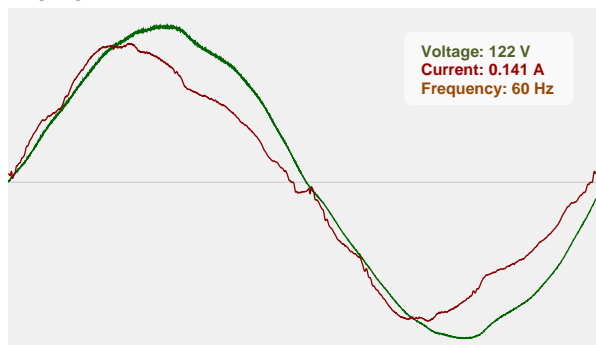


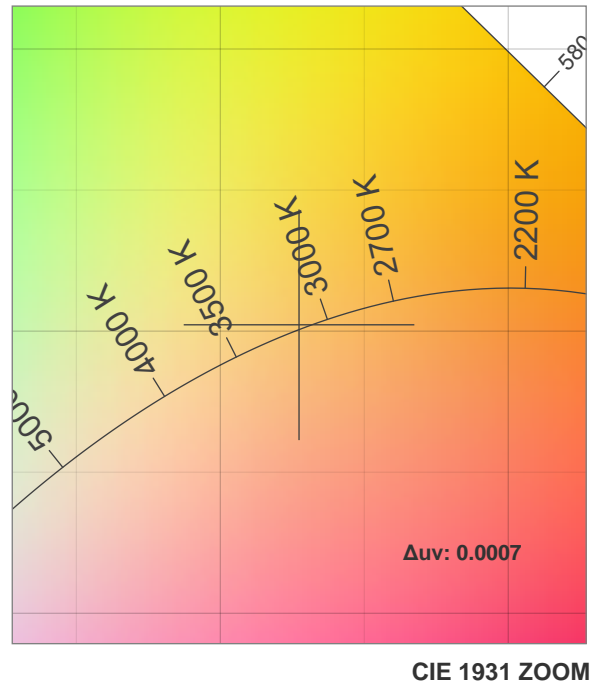
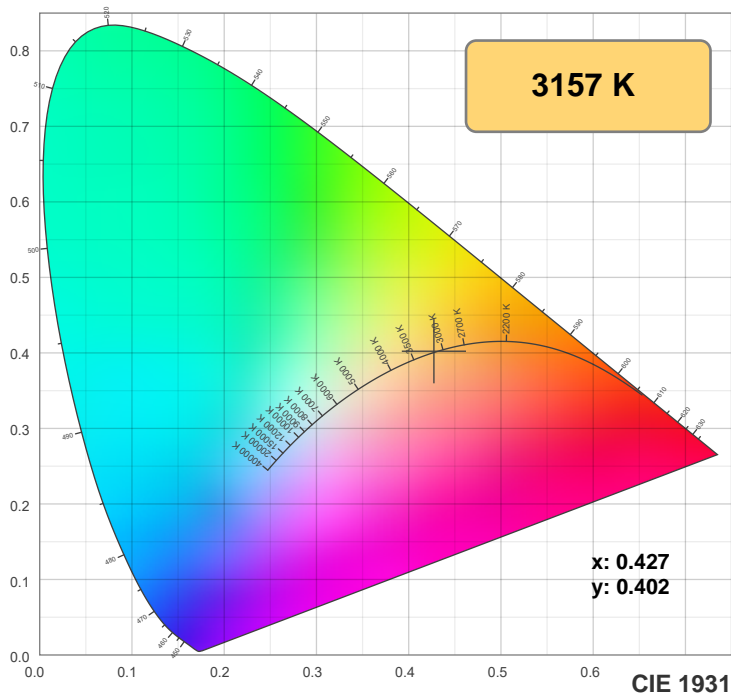
CIE 1931
x: 0.427
y: 0.402

Spectra

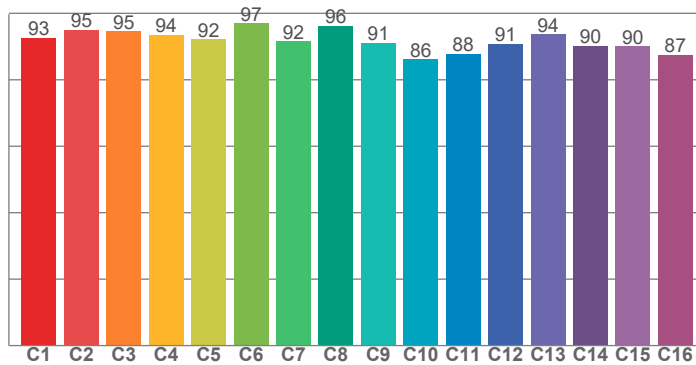


Power

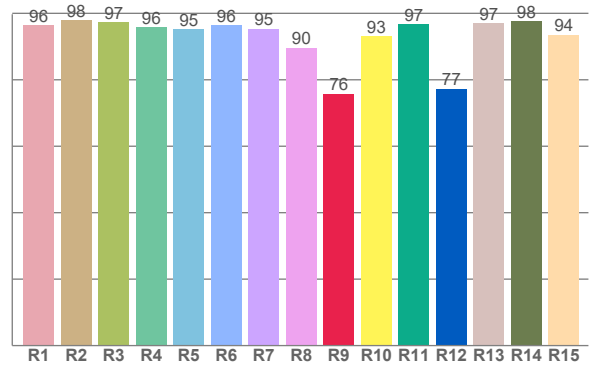




TM30: 91.9



CRI: 95.5 (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
96.5	97.9	97.2	95.9	95.2	96.3	95.3	89.7	75.8	93.1	96.7	77.3	97.1	97.6	93.6

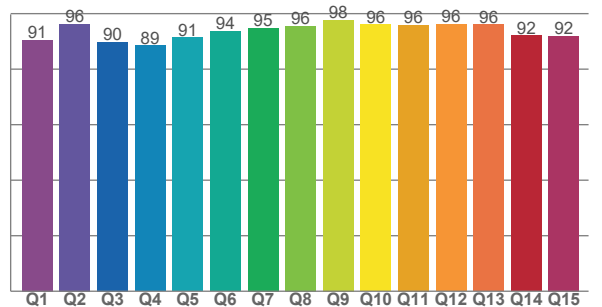
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.5	95.0	94.6	93.5	92.2	96.9	91.5	96.2	91.1	86.1	87.8	90.8	93.6	90.2	90.0	87.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.6	96.2	89.8	88.5	91.4	93.6	94.9	95.5	97.7	96.1	95.9	96.1	96.1	92.1	91.9

CQS: 93.1



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
3157 K	95.5	75.8	91.9	98.6	93.1	0.427	0.402	0.245	0.346	0.0007

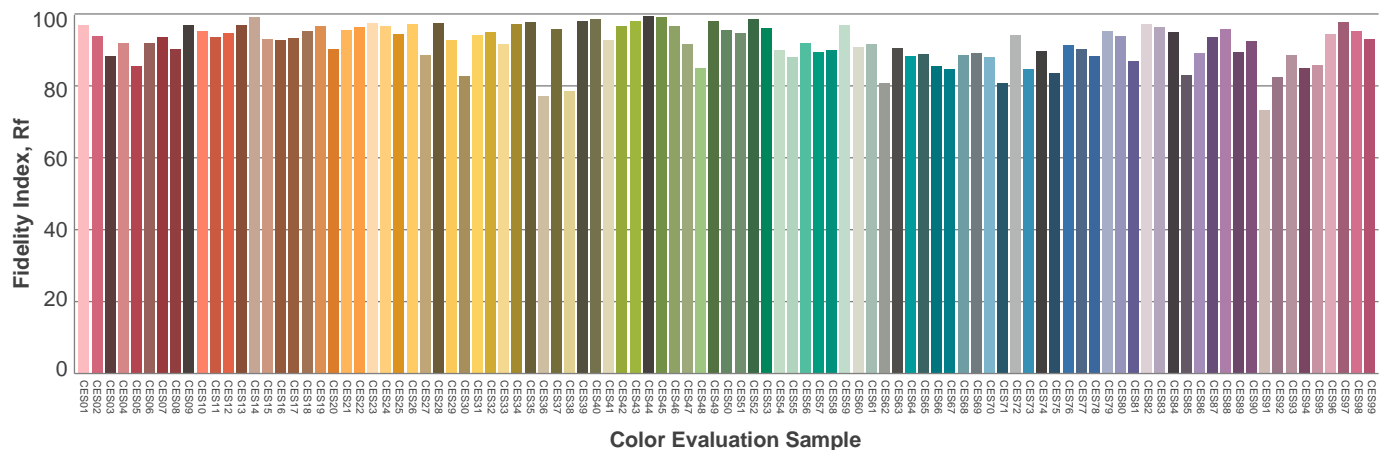
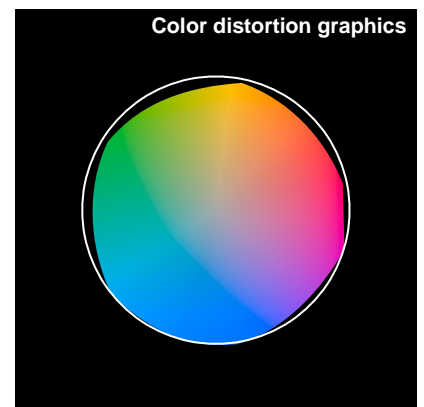
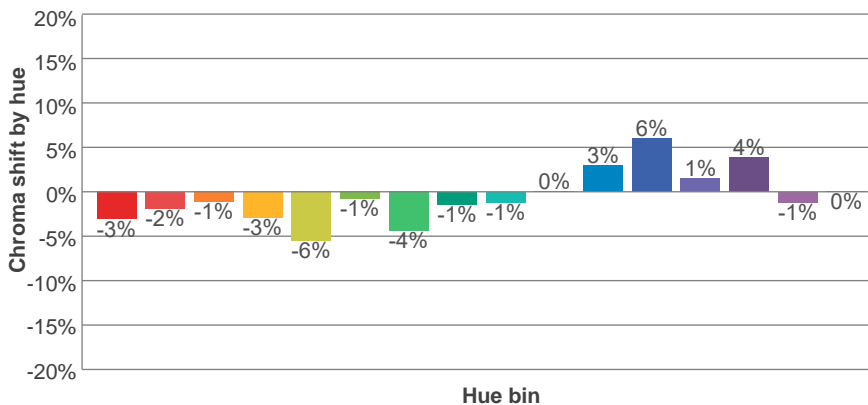
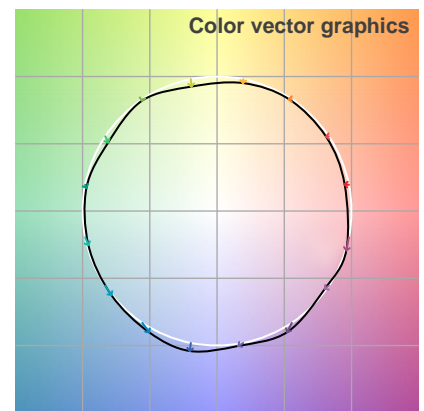
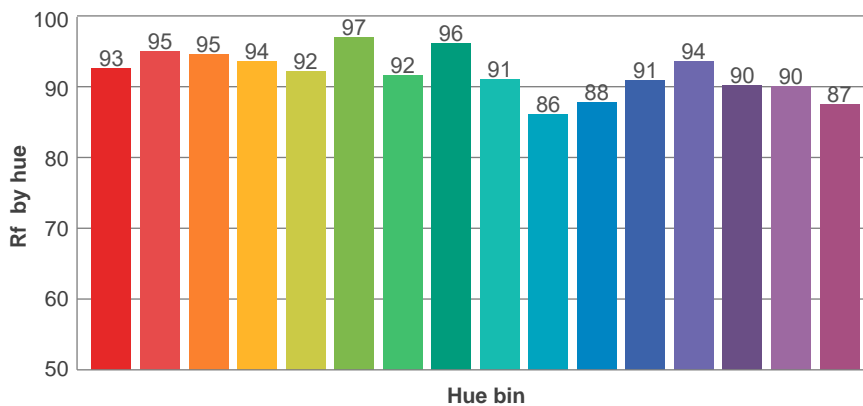
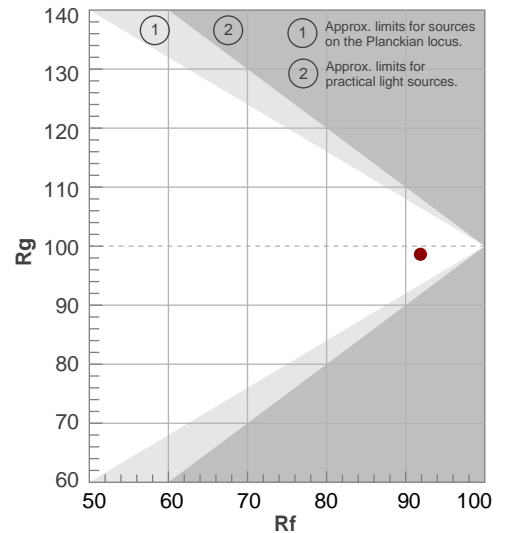
Rf 91.9

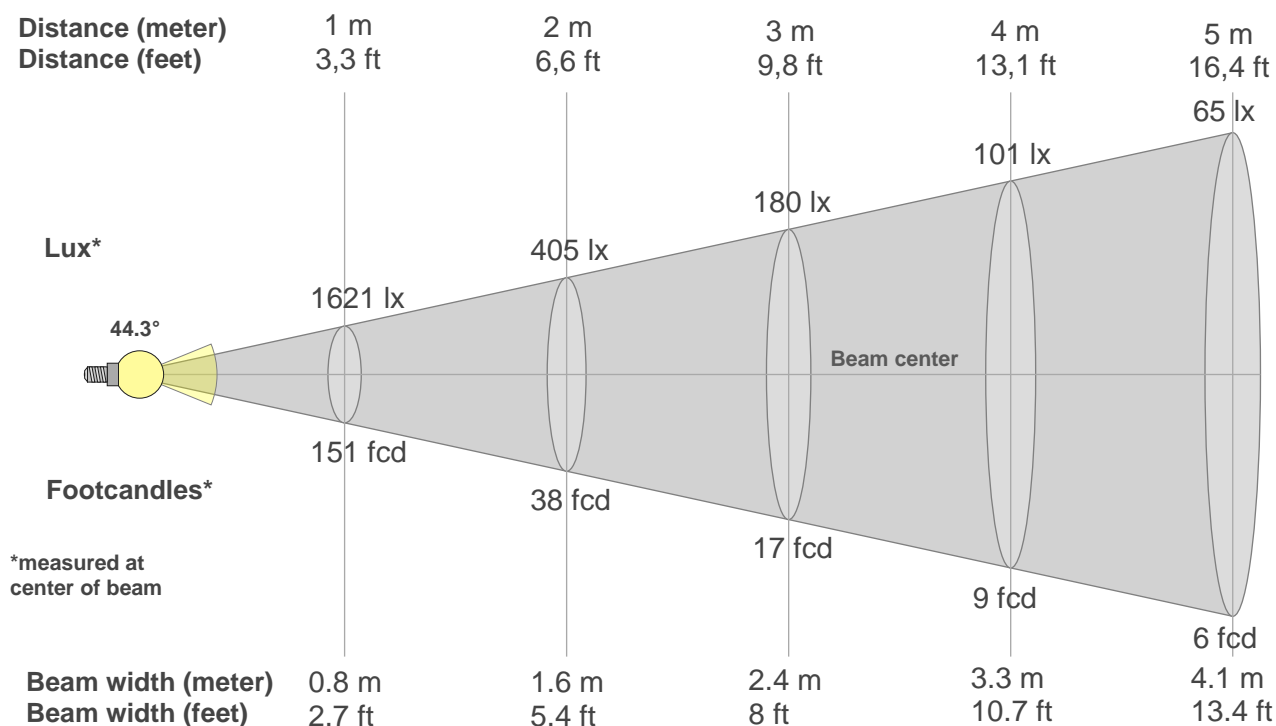
Fidelity index Rf

Rg 98.6

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	95	-1%	2%
4	94	-3%	0%
5	92	-6%	1%
6	97	-1%	1%
7	92	-4%	3%
8	96	-1%	2%
9	91	-1%	6%
10	86	0%	8%
11	88	3%	8%
12	91	6%	0%
13	94	1%	-4%
14	90	4%	-7%
15	90	-1%	-4%
16	87	0%	-10%





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
1621lx	405lx	180lx	101lx	65lx	45lx	33lx	25lx	20lx	16lx	13lx	11lx	10lx	8lx	7lx	6lx	6lx	5lx	4lx	4lx
150.6fcd	37.7fcd	16.7fcd	9.4fcd	6fcd	4.2fcd	3.1fcd	2.4fcd	1.9fcd	1.5fcd	1.2fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd	0.4fcd	0.4fcd

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°
1621	1609	1582	1537	1477	1401	1313	1218	1116	1014	912	813	722	637	560	491	429	373	326	284
100%	99%	98%	95%	91%	86%	81%	75%	69%	63%	56%	50%	45%	39%	35%	30%	26%	23%	20%	18%

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°
1621	1613	1586	1540	1478	1403	1317	1224	1125	1024	924	828	736	651	574	504	442	387	338	294
100%	99%	98%	95%	91%	87%	81%	75%	69%	63%	57%	51%	45%	40%	35%	31%	27%	24%	21%	18%

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°
1621	1609	1582	1537	1477	1401	1313	1218	1116	1014	912	813	722	637	560	491	429	373	326	284
100%	99%	98%	95%	91%	86%	81%	75%	69%	63%	56%	50%	45%	39%	35%	30%	26%	23%	20%	18%

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°
1621	1613	1586	1540	1478	1403	1317	1224	1125	1024	924	828	736	651	574	504	442	387	338	294
100%	99%	98%	95%	91%	87%	81%	75%	69%	63%	57%	51%	45%	40%	35%	31%	27%	24%	21%	18%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
44.3°	90.7°	111.1°	98.3%	90.4%