

Light efficiency:

70 Lumen/Watt

Light quality:

CRI: 95.6

Color temperature:

3160 K

Output: 1171 lm

Peak: 1007 cd

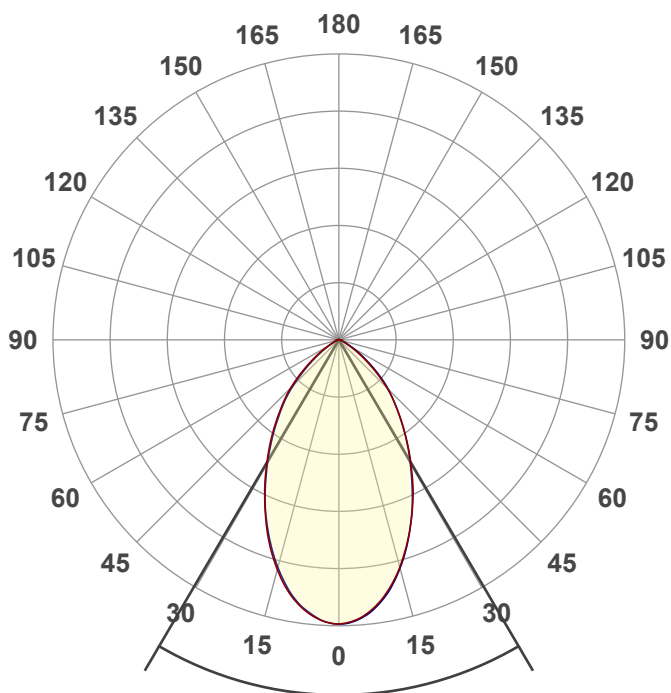
Power: 16.6 W

PF: 0.97



BETA-3R-WD-15LM-3018-97-HE60-WH-WH

Date and time:  
12/30/2022 11:26:07 AM



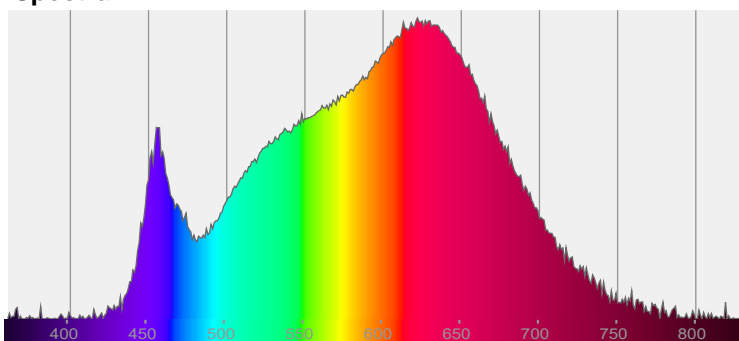
Beam angle

60.8°

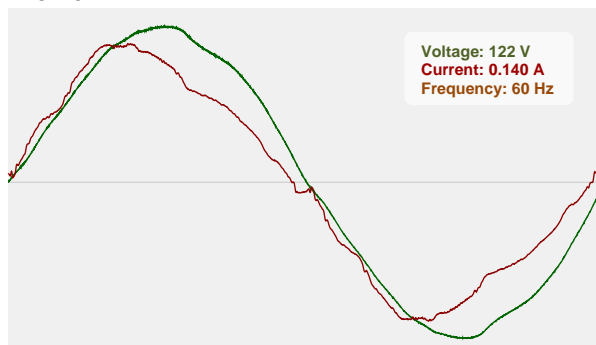


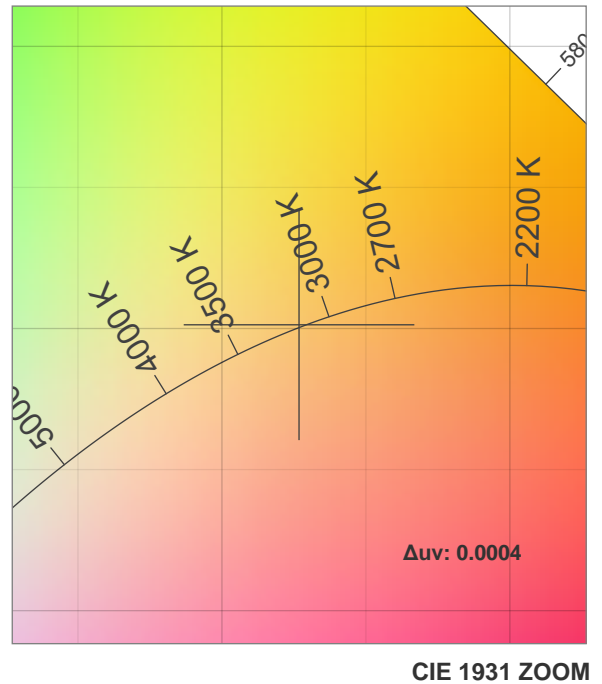
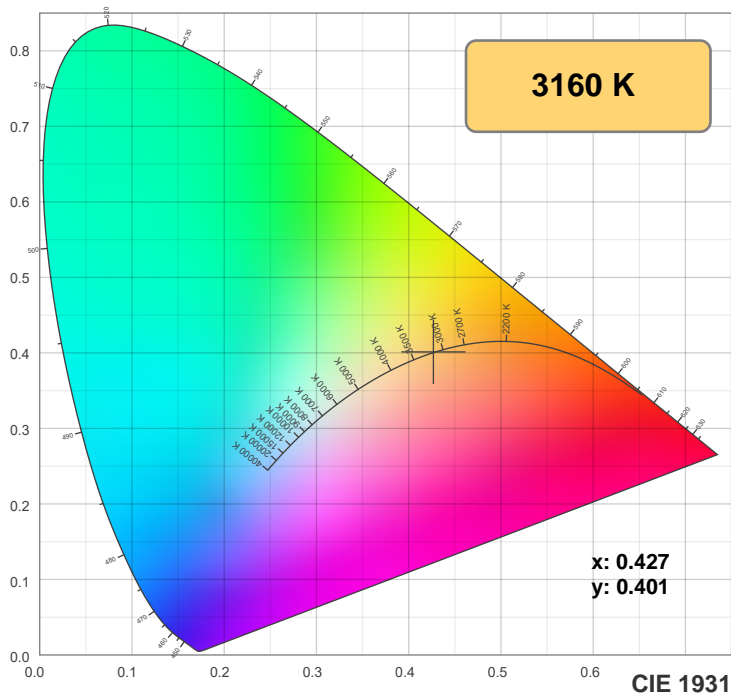
CIE 1931  
x: 0.427  
y: 0.401

Spectra

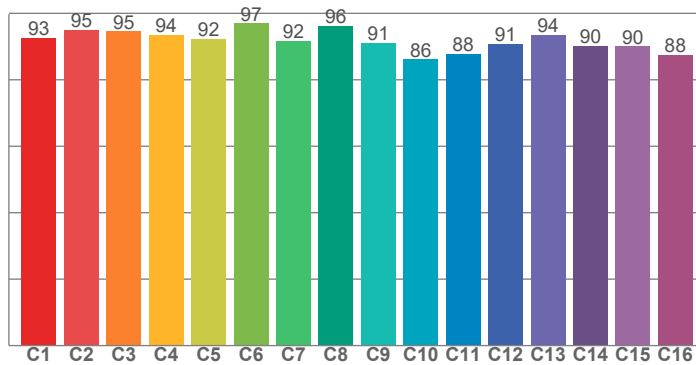


Power

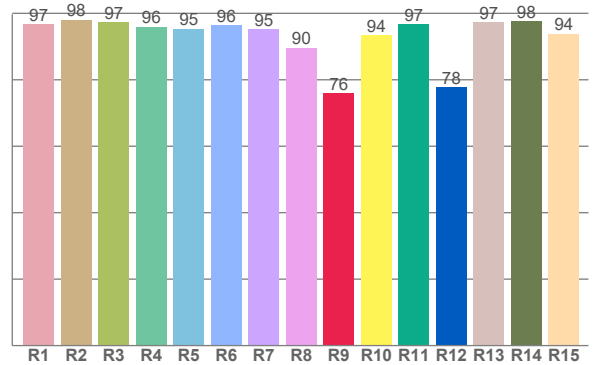




TM30: 91.9



CRI: 95.6 (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
96.7	98.1	97.3	96.0	95.4	96.5	95.2	89.7	76.0	93.5	96.8	77.7	97.4	97.6	93.8

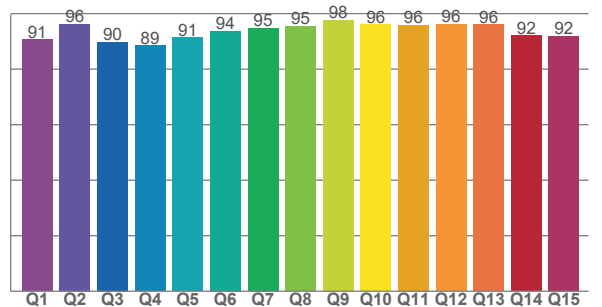
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.6	95.0	94.6	93.6	92.3	97.0	91.6	96.3	91.2	86.2	87.8	90.9	93.6	90.2	90.1	87.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.6	96.3	89.8	88.5	91.4	93.7	94.9	95.4	97.7	96.0	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
3160 K	95.6	76.0	91.9	98.7	93.1	0.427	0.401	0.245	0.346	0.0004

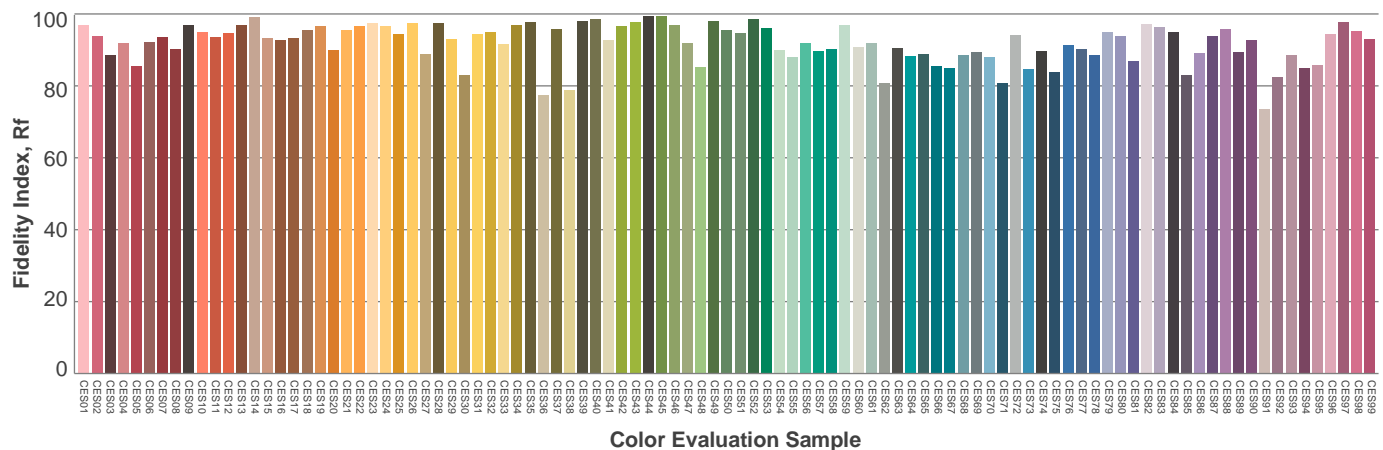
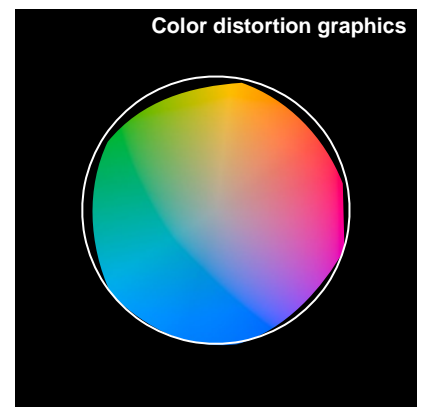
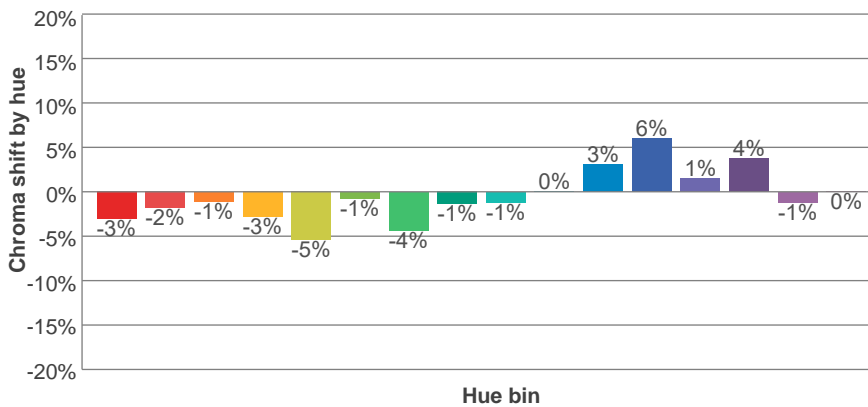
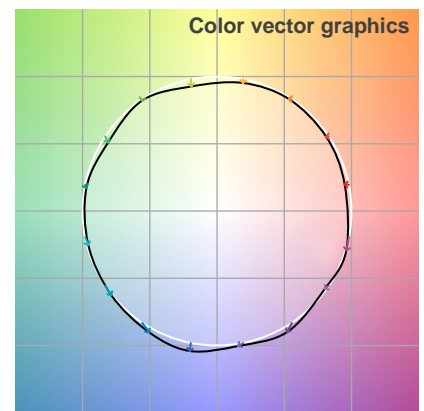
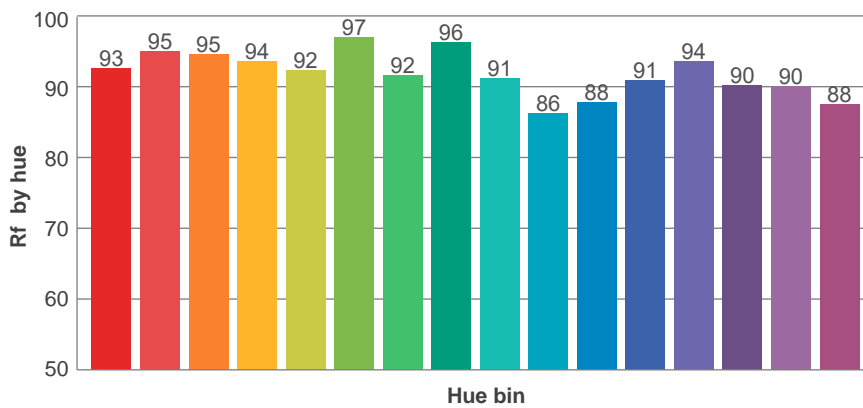
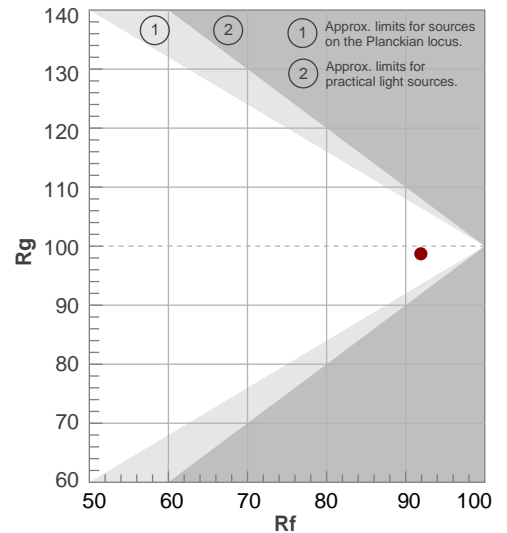
**Rf 91.9**

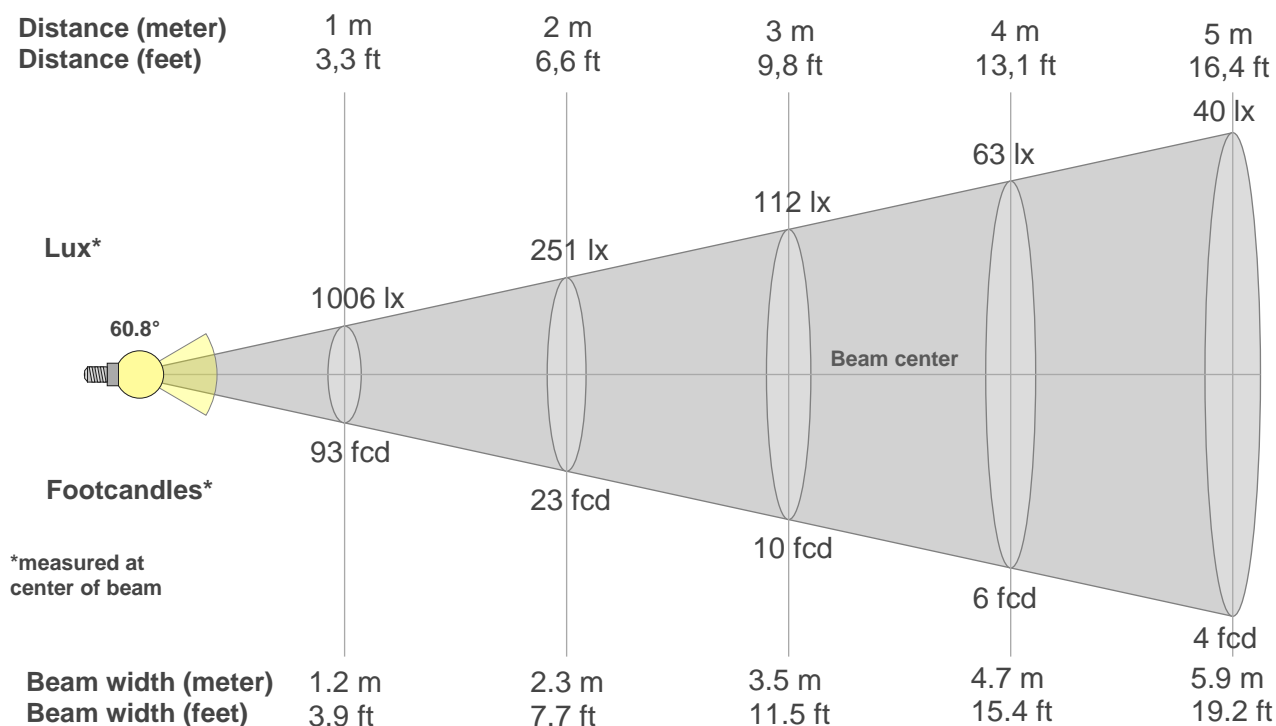
Fidelity index Rf

**Rg 98.7**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	1%
3	95	-1%	2%
4	94	-3%	0%
5	92	-5%	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	88	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
1006lx	251lx	112lx	63lx	40lx	28lx	21lx	16lx	12lx	10lx	8lx	7lx	6lx	5lx	4lx	4lx	3lx	3lx	3lx	3lx
93.4fcd	23.4fcd	10.4fcd	5.8fcd	3.7fcd	2.6fcd	1.9fcd	1.5fcd	1.2fcd	0.9fcd	0.8fcd	0.6fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd

#### Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1006	982	922	834	729	621	512	411	322	242	159	93	47	24	13	6	3	1	1	0
100%	98%	92%	83%	72%	62%	51%	41%	32%	24%	16%	9%	5%	2%	1%	1%	0%	0%	0%	0%

#### Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1006	985	927	837	730	616	507	409	322	247	171	105	57	29	16	8	3	2	1	0
100%	98%	92%	83%	73%	61%	50%	41%	32%	25%	17%	10%	6%	3%	2%	1%	0%	0%	0%	0%

#### Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1006	986	930	842	736	622	512	413	322	242	158	92	45	23	12	6	3	2	0	0
100%	98%	92%	84%	73%	62%	51%	41%	32%	24%	16%	9%	5%	2%	1%	1%	0%	0%	0%	0%

#### Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1006	983	925	835	729	619	507	405	315	228	143	80	37	19	10	4	3	1	0	0
100%	98%	92%	83%	72%	61%	50%	40%	31%	23%	14%	8%	4%	2%	1%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
60.8°	108.7°	128.9°	97.1%	82.9%