

Light efficiency:

70 Lumen/Watt

Light quality:

CRI: 95.7

Color temperature:

3169 K

Output: 1168 lm

Peak: 2078 cd

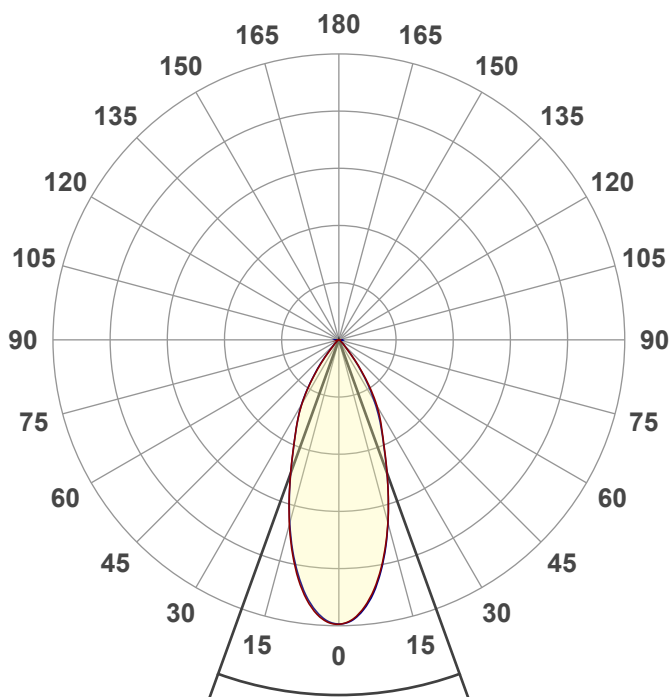
Power: 16.7 W

PF: 0.97



BETA-3R-WD-15LM-3018-97-D40-WH-WH

Date and time:  
12/30/2022 2:32:49 PM



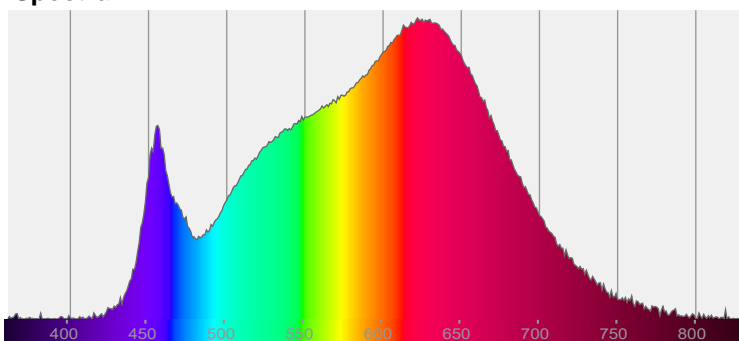
Beam angle

39.7°

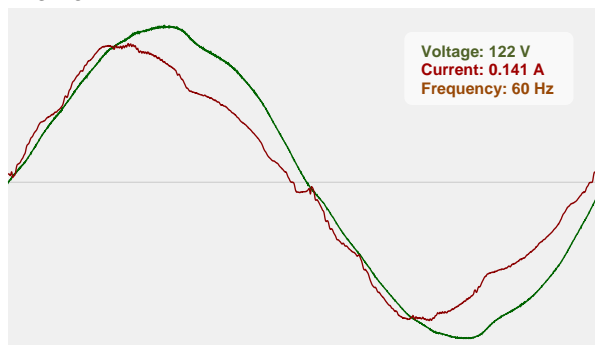


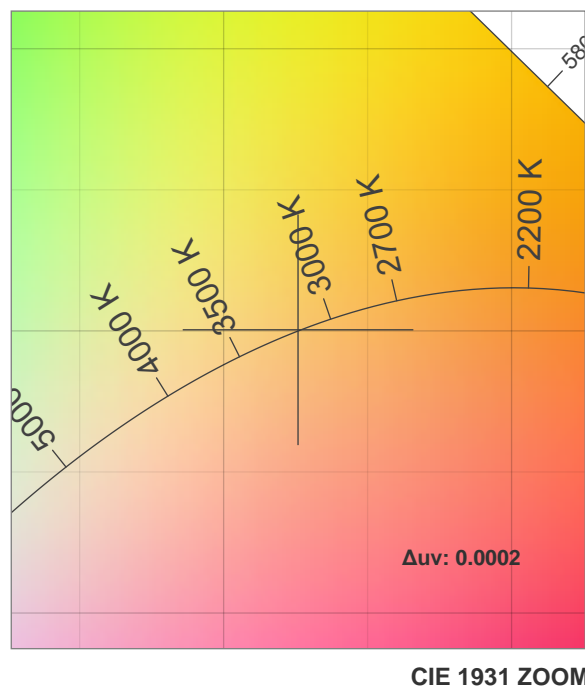
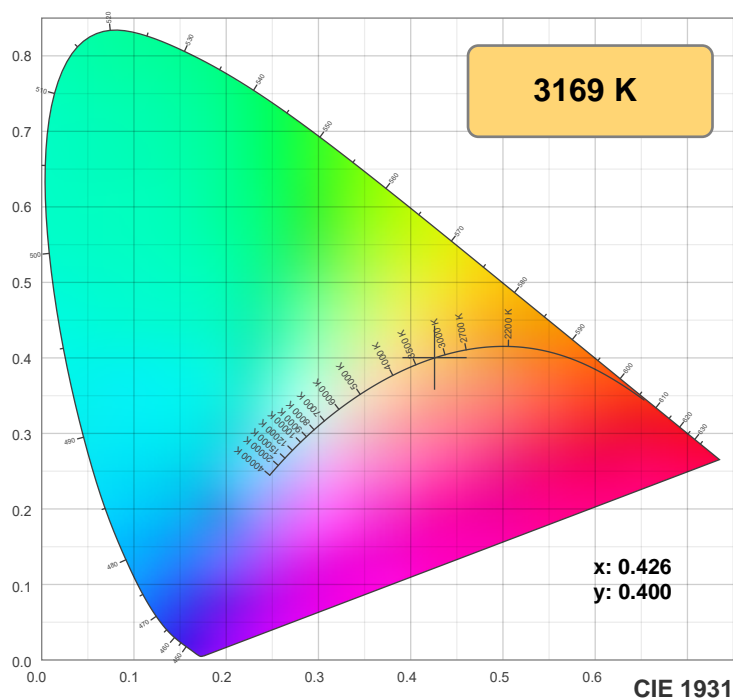
CIE 1931  
x: 0.426  
y: 0.400

Spectra

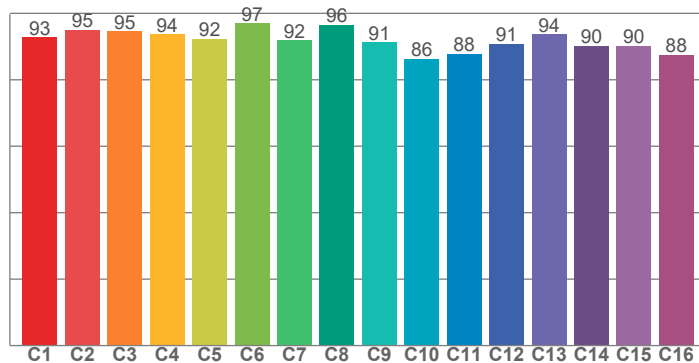


Power

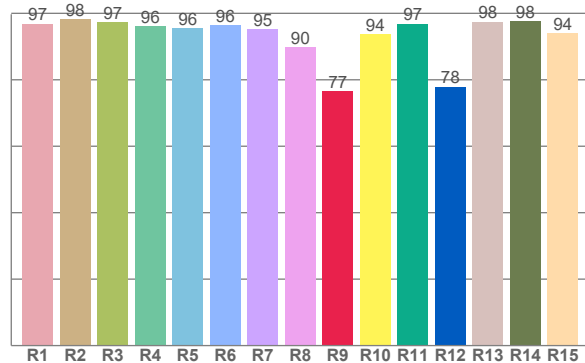




TM30: 92.0



CRI: 95.7 (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
96.8	98.2	97.4	96.1	95.6	96.5	95.3	89.9	76.5	93.7	96.9	77.9	97.5	97.6	94.0

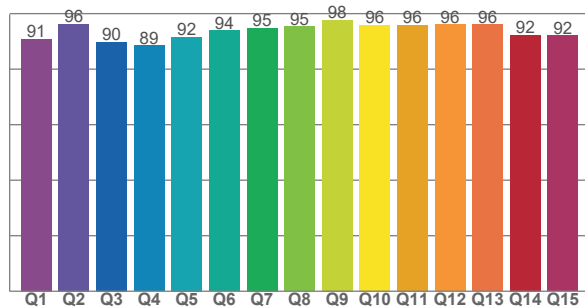
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.7	95.1	94.5	93.7	92.4	97.0	91.8	96.5	91.3	86.3	87.9	90.8	93.6	90.2	90.2	87.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
90.8	96.3	89.7	88.5	91.6	93.9	94.7	95.4	97.7	96.0	95.8	96.1	96.1	92.3	92.0

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
3169 K	95.7	76.5	92.0	98.9	93.1	0.426	0.400	0.245	0.346	0.0002

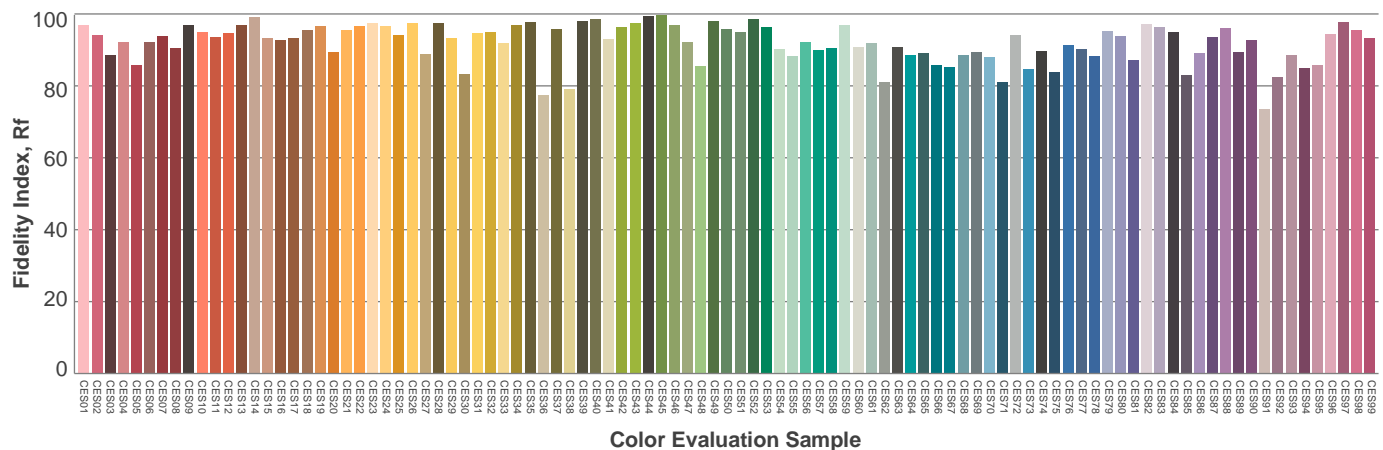
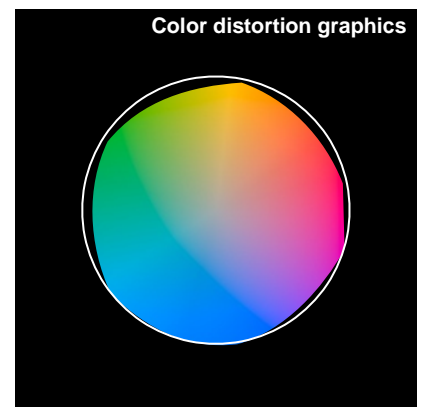
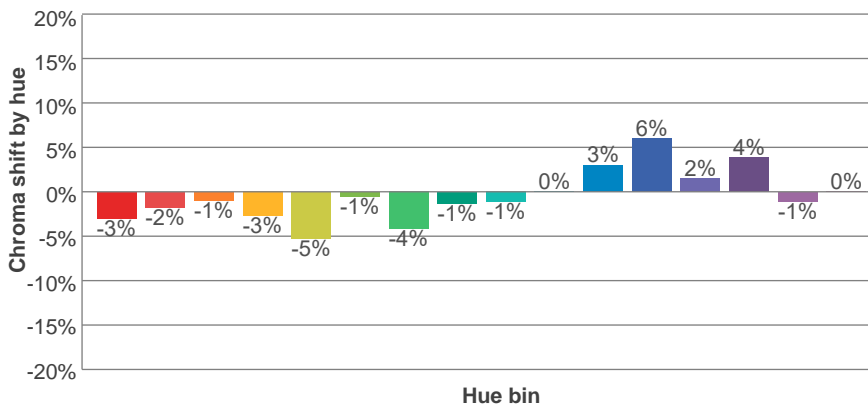
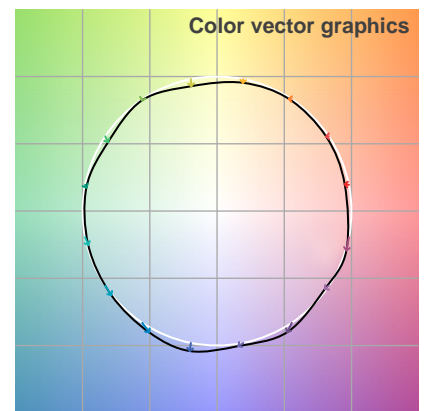
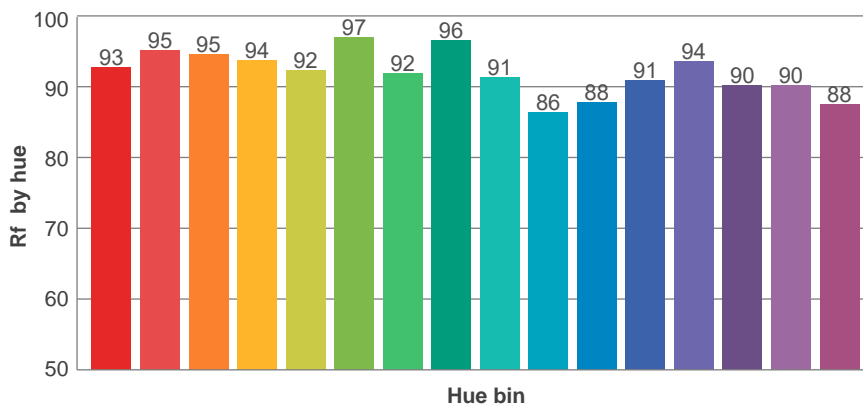
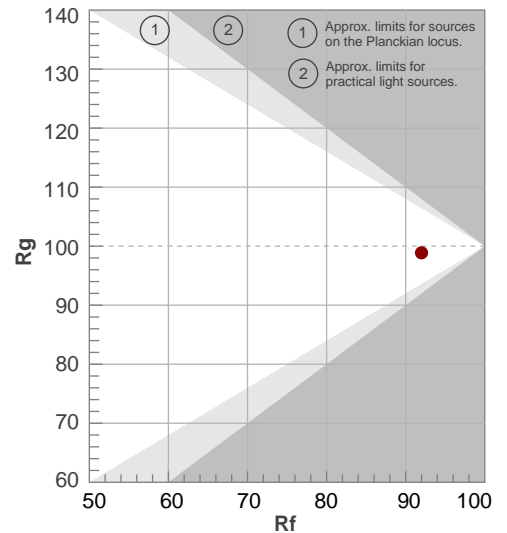
**Rf 92.0**

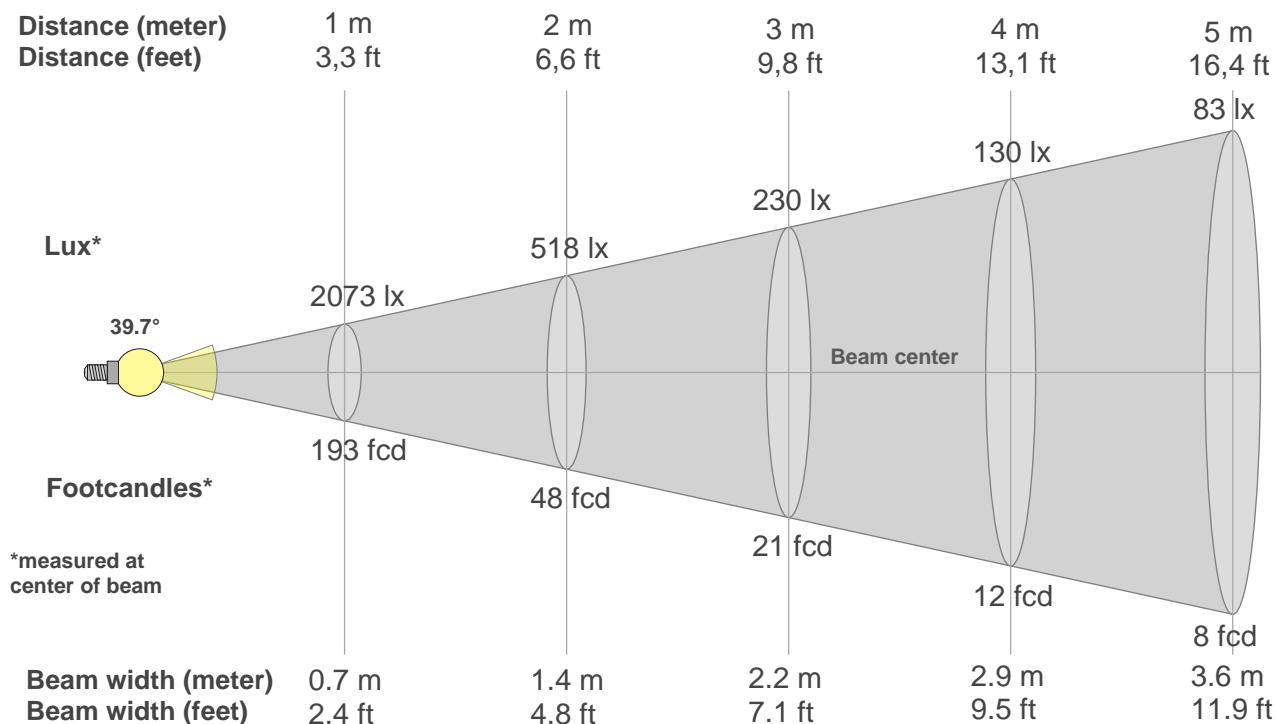
Fidelity index Rf

**Rg 98.9**

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%	2%
8	96	-1%	2%
9	91	-1%	6%
10	86	0%	8%
11	88	3%	8%
12	91	6%	0%
13	94	2%	-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
2073lx	518lx	230lx	130lx	83lx	58lx	42lx	32lx	26lx	21lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	6lx	6lx	5lx
192.6fcd	48.1fcd	21.4fcd	12fcd	7.7fcd	5.3fcd	3.9fcd	3fcd	2.4fcd	1.9fcd	1.6fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.5fcd

#### 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°
2073	2053	2006	1934	1841	1723	1592	1454	1310	1164	1029	906	800	712	636	554	465	373	281	202
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	50%	44%	39%	34%	31%	27%	22%	18%	14%	10%

#### 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°
2073	2057	2014	1945	1854	1735	1602	1459	1311	1164	1025	899	791	698	611	519	432	345	260	183
100%	99%	97%	94%	89%	84%	77%	70%	63%	56%	49%	43%	38%	34%	29%	25%	21%	17%	13%	9%

#### 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°
2073	2066	2022	1953	1860	1746	1613	1470	1320	1171	1030	902	797	707	624	538	447	352	264	186
100%	100%	98%	94%	90%	84%	78%	71%	64%	57%	50%	44%	38%	34%	30%	26%	22%	17%	13%	9%

#### 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°
2073	2057	2009	1937	1843	1728	1598	1457	1311	1166	1025	899	795	705	624	544	454	361	277	201
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	49%	43%	38%	34%	30%	26%	22%	17%	13%	10%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.7°	75.2°	89°	99.3%	97.0%