

Light efficiency:

109 Lumen/Watt

Light quality:

CRI: 83.7

Color temperature:

2984 K

Output: 4239 lm

Peak: 9098 cd

Power: 39.0 W

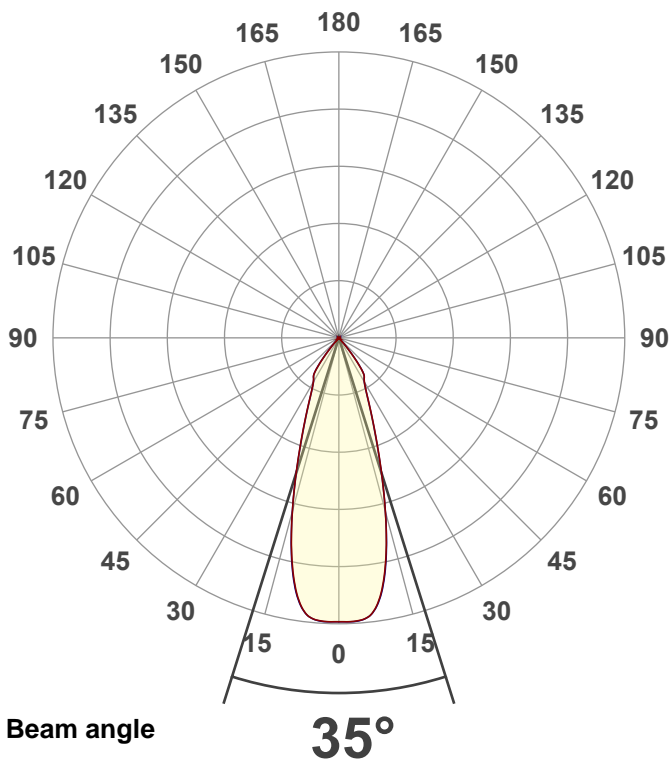
PF: 0.98



BETA-6R-SW-45LM-30K-80-35D-NL-WH-WH

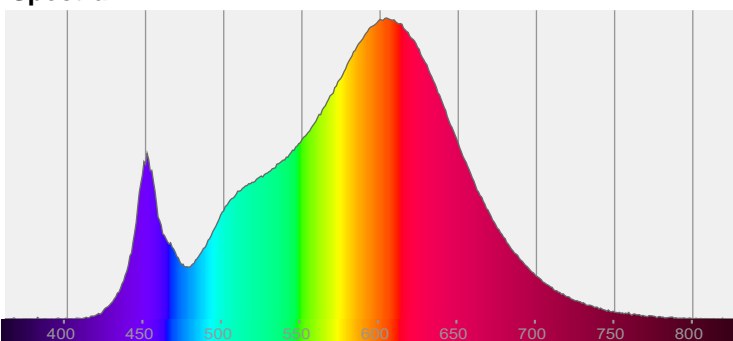
Date and time:

7/8/2024 1:57:16 PM

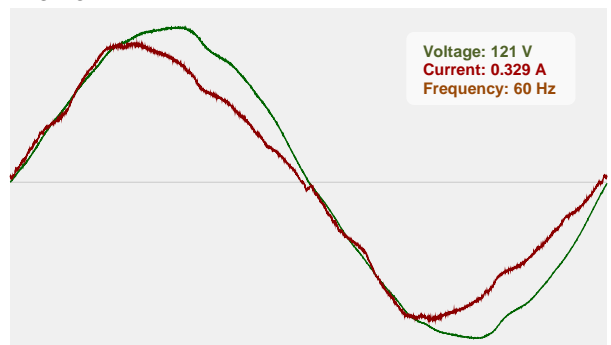


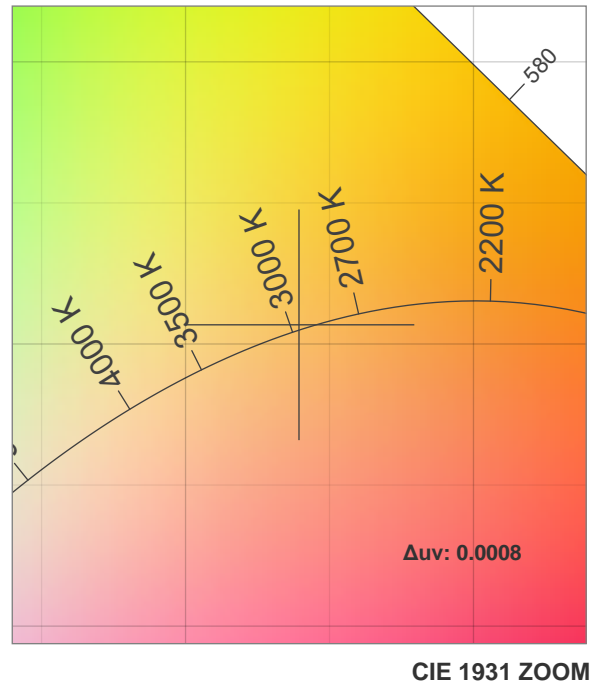
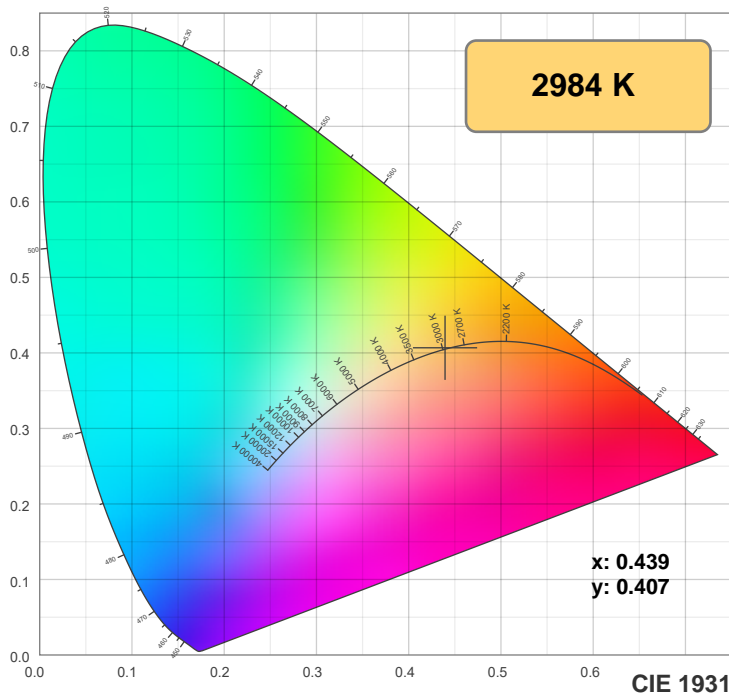
CIE 1931  
x: 0.439  
y: 0.407

Spectra

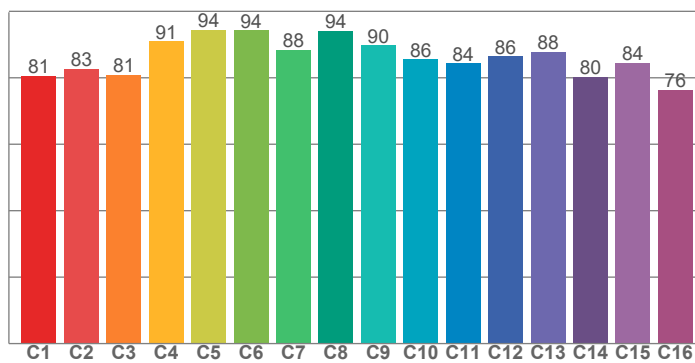


Power

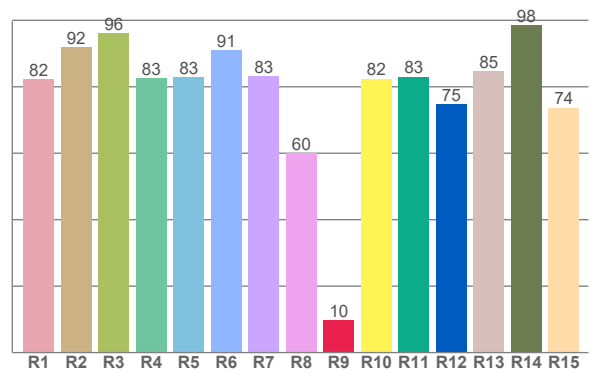




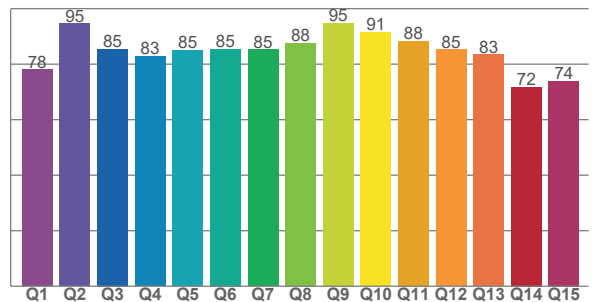
**TM30: 86.2**



**CRI: 83.7 (R1-R8)**



**CQS: 83.5**



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
82.3	92.0	96.2	82.6	82.8	91.1	83.1	60.0	9.7	82.4	83.0	74.7	84.7	98.5	73.7

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
80.6	82.6	80.9	91.0	94.4	94.3	88.4	94.2	89.8	85.5	84.3	86.5	87.7	80.3	84.5	76.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	94.6	85.4	82.8	85.0	85.4	85.2	87.7	94.9	91.5	88.3	85.3	83.5	71.8	73.9

## 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
2984 K	83.7	9.7	86.2	95.6	83.5	0.439	0.407	0.251	0.349	0.0008

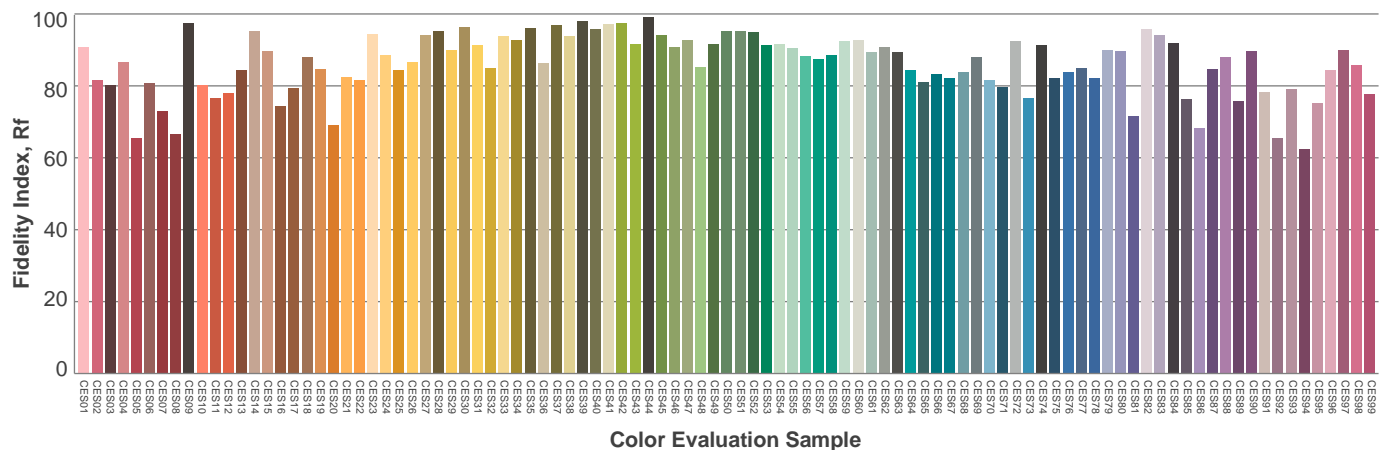
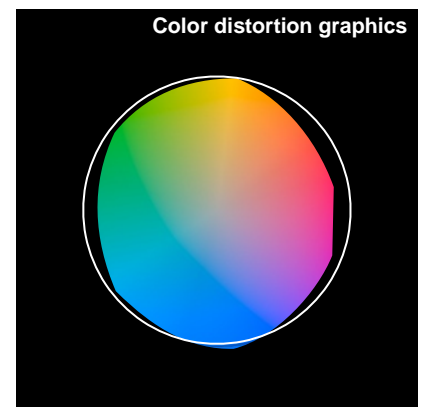
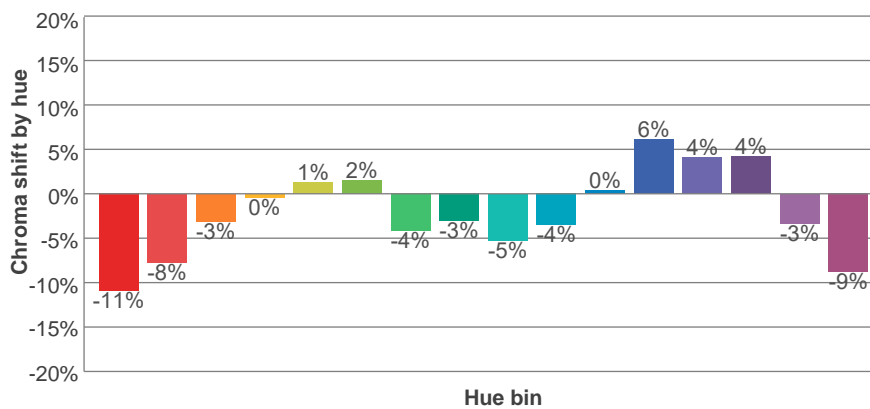
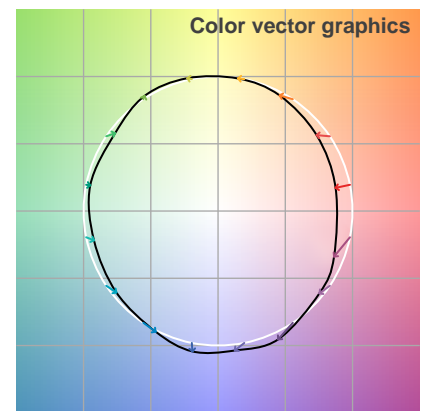
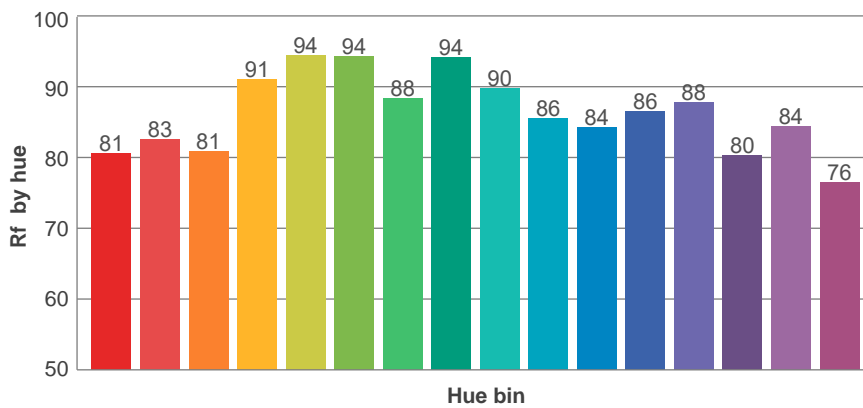
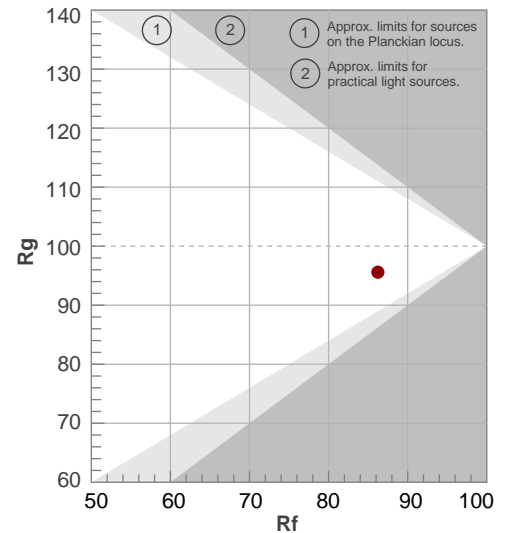
**Rf 86.2**

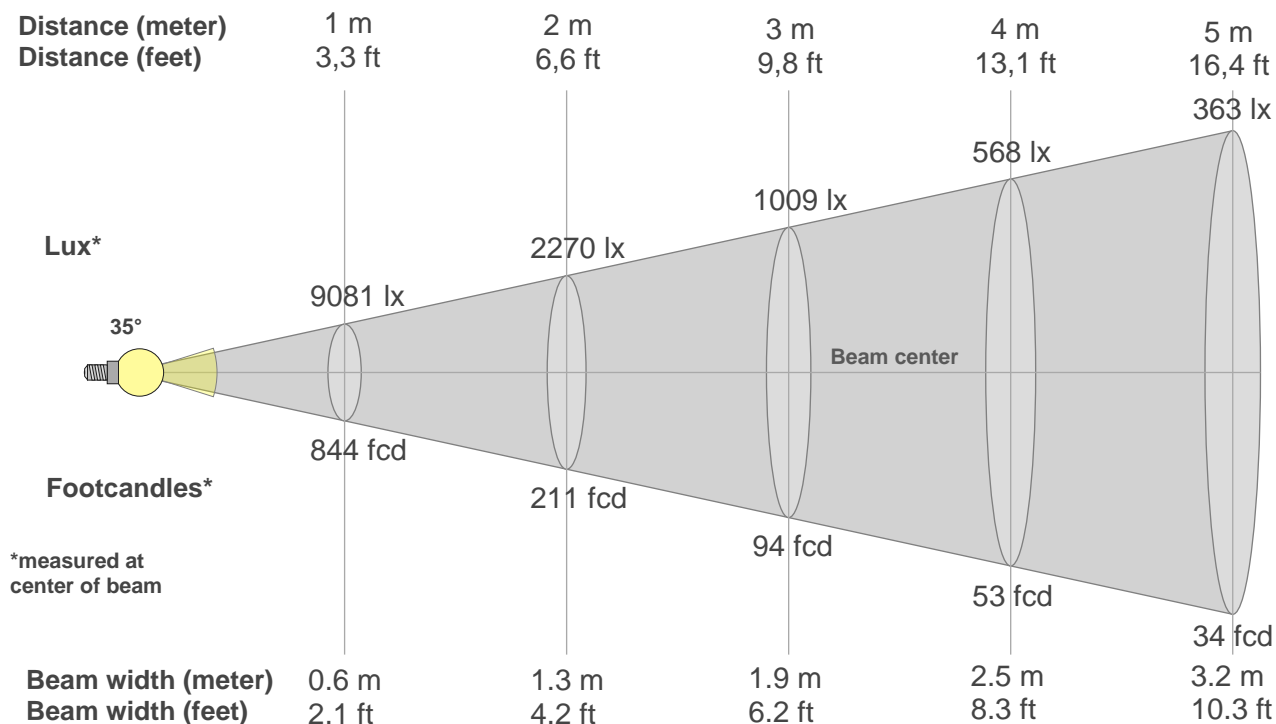
Fidelity index Rf

**Rg 95.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	83	-8%	6%
3	81	-3%	10%
4	91	0%	5%
5	94	1%	3%
6	94	2%	-2%
7	88	-4%	-6%
8	94	-3%	0%
9	90	-5%	3%
10	86	-4%	8%
11	84	0%	11%
12	86	6%	2%
13	88	4%	-8%
14	80	4%	-16%
15	84	-3%	-9%
16	76	-9%	-16%





#### 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
9081lx	2270lx	1009lx	568lx	363lx	252lx	185lx	142lx	112lx	91lx	75lx	63lx	54lx	46lx	40lx	35lx	31lx	28lx	25lx	23lx
843.6fc	210.9fc	93.7fc	52.7fc	33.7fc	23.4fc	17.2fc	13.2fc	10.4fc	8.4fc	7fc	5.9fc	5fc	4.3fc	3.7fc	3.3fc	2.9fc	2.6fc	2.3fc	2.1fc

#### 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°
9081	9087	9063	8966	8658	8046	7219	6251	5256	4334	3564	2941	2461	2086	1816	1640	1529	1430	1175	776
100%	100%	100%	99%	95%	89%	79%	69%	58%	48%	39%	32%	27%	23%	20%	18%	17%	16%	13%	9%

#### 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°
9081	9088	9073	8965	8673	8084	7251	6261	5244	4304	3530	2912	2433	2066	1796	1627	1522	1428	1181	780
100%	100%	100%	99%	96%	89%	80%	69%	58%	47%	39%	32%	27%	23%	20%	18%	17%	16%	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°
9081	9087	9063	8966	8658	8046	7219	6251	5256	4334	3564	2941	2461	2086	1816	1640	1529	1430	1175	776
100%	100%	100%	99%	95%	89%	79%	69%	58%	48%	39%	32%	27%	23%	20%	18%	17%	16%	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°
9081	9088	9073	8965	8673	8084	7251	6261	5244	4304	3530	2912	2433	2066	1796	1627	1522	1428	1181	780
100%	100%	100%	99%	96%	89%	80%	69%	58%	47%	39%	32%	27%	23%	20%	18%	17%	16%	13%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35°	74.8°	81.5°	99.8%	99.8%