Light efficiency:

67 Lumen/Watt

Light quality:

CRI: 72.4

Color temperature:

6489 K

Output: 3374 lm

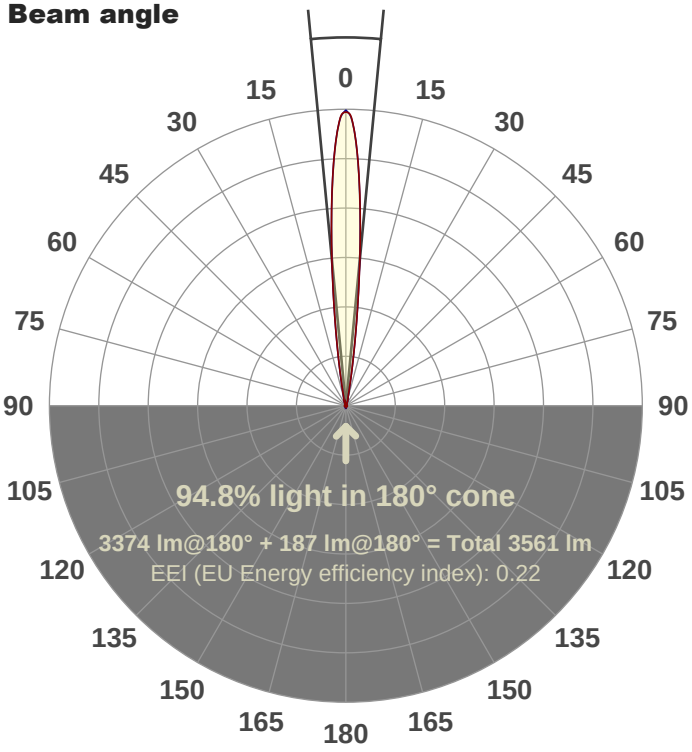
Peak: 57464 cd

Power: 50.2 W

PF: 1.0

Beam angle

10.9°



Product name:

FL50-CM-RGBW65K-IM-10-ELV-SM-WHITE

Date and time:

22-May-18 3:25:13 PM

Additional Information:

LED: RGBW

FIXTURE: FL50

FILM: 250251 (BEAM MIXING)

COLORAMP: ON

STABILIZED: YES

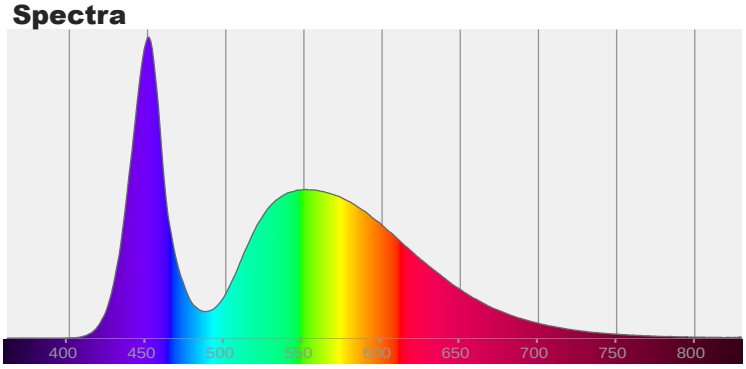
COLOR (RGBW): WHITE

PERFORMED BY: ABDULLAH QURESHI

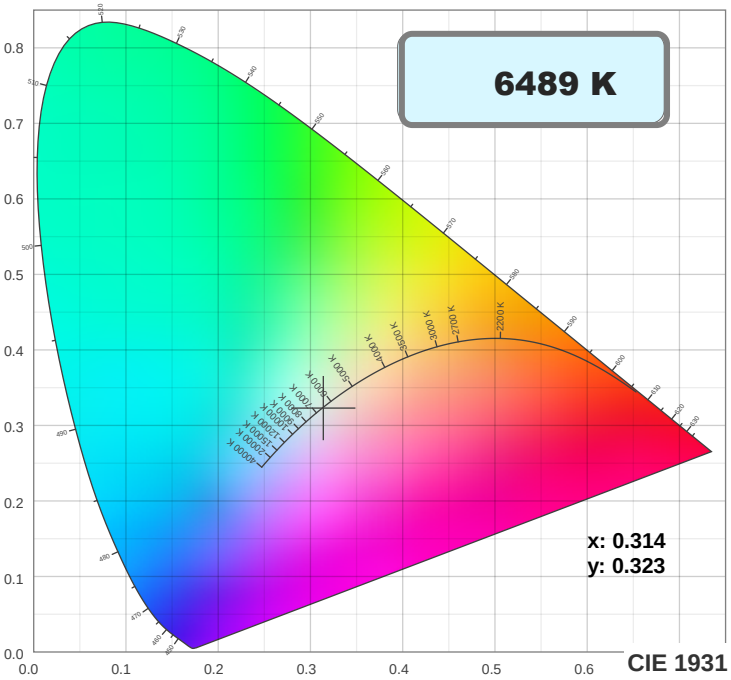
Color

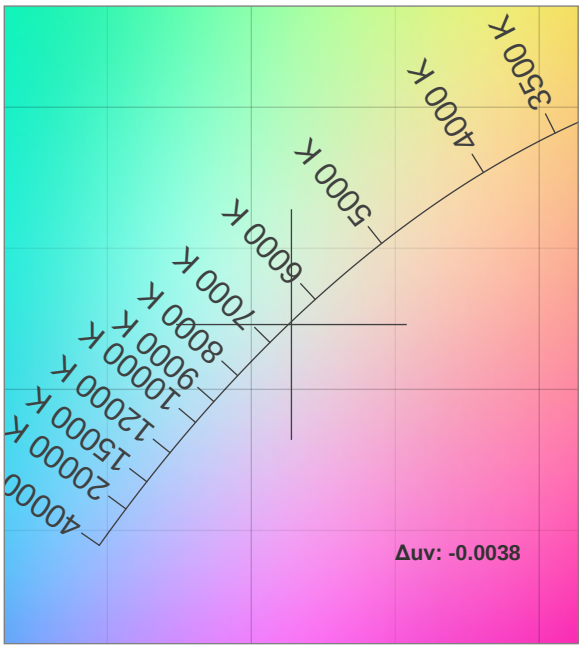
CIE 1931
x: 0.314
y: 0.323

Spectra



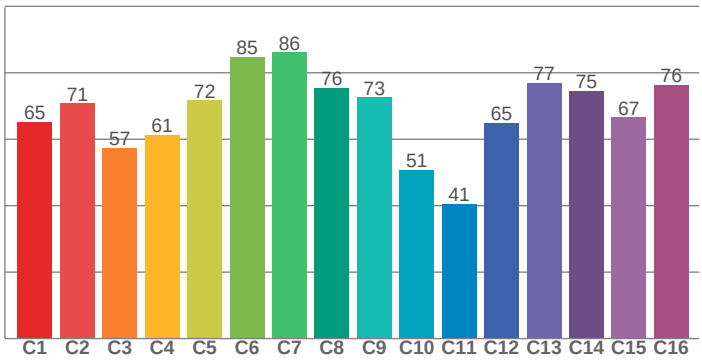
Color details



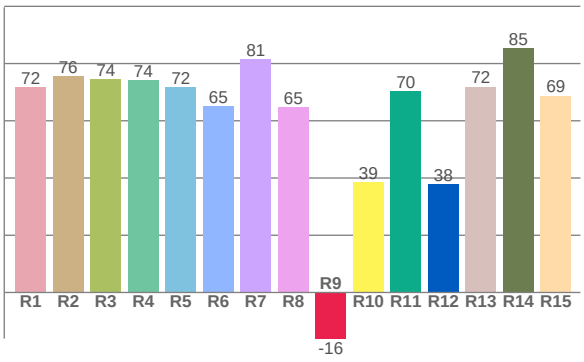


CIE 1931 ZOOM

TM30: 67.9



CRI: 72.4 (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
71.8	75.7	74.5	74.2	71.7	65.1	81.4	64.7	-16.1	38.5	70.3	37.9	71.9	85.3	68.8

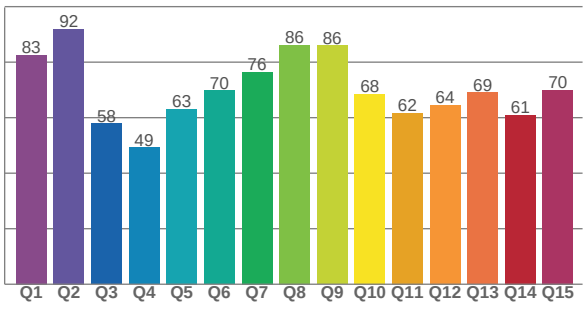
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.1	70.8	57.5	61.3	71.7	84.7	86.2	75.5	72.5	50.7	40.6	65.0	76.9	74.5	66.6	76.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.6	92.0	57.9	49.2	63.2	69.7	76.5	86.1	86.0	68.5	61.7	64.5	69.0	60.9	70.0

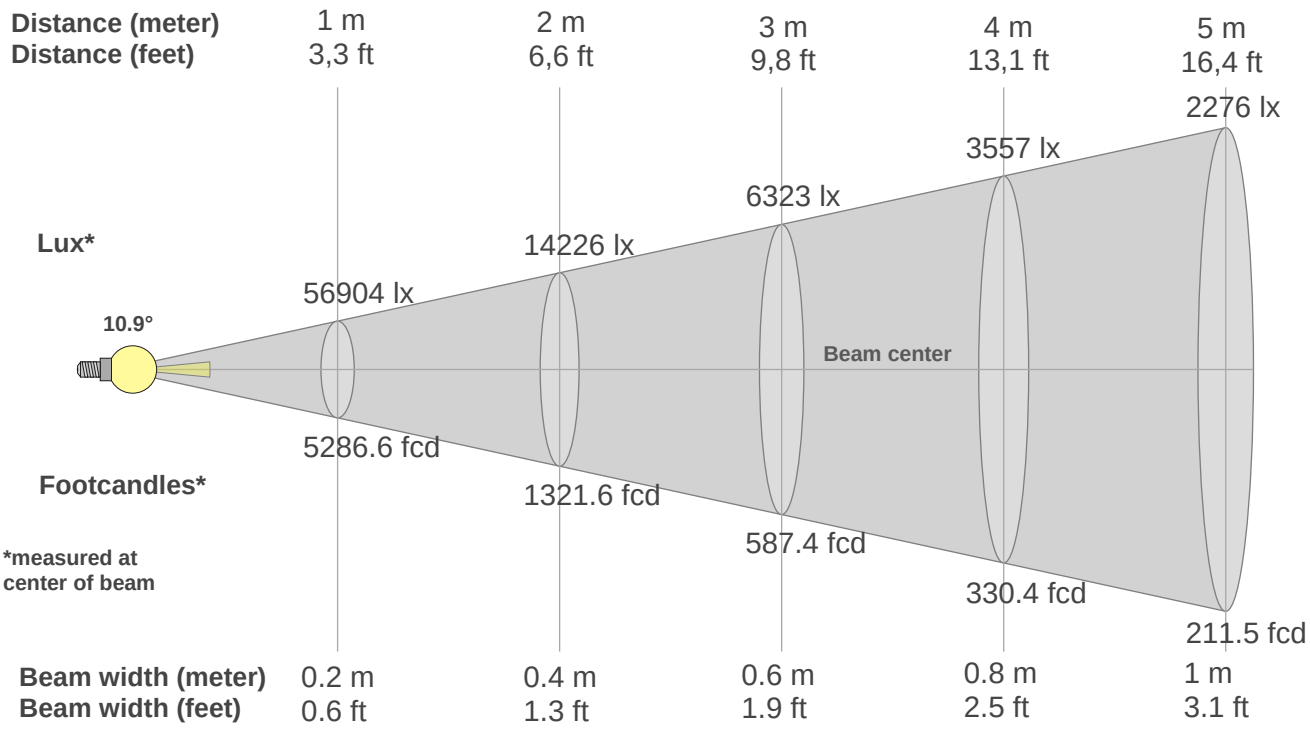
CQS: 68.3



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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6489 K	72.4	-16.1	67.9	93.9	68.3	0.314	0.323	0.201	0.310	-0.0038

Beam details



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
56904lx	14226lx	6323lx	3557lx	2276lx	1581lx	1161lx	889lx	703lx	569lx	470lx	395lx	337lx	290lx	253lx	222lx	197lx	176lx	158lx	142lx
5286.6fcd	1321.6fcd	587.4fcd	330.4fcd	211.5fcd	146.8fcd	107.9fcd	82.6fcd	65.3fcd	52.9fcd	43.7fcd	36.7fcd	31.3fcd	27fcd	23.5fcd	20.7fcd	18.3fcd	16.3fcd	14.6fcd	13.2fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
56.9K	56.0K	52.2K	46.5K	39.5K	32.0K	24.7K	18.2K	12.9K	8.9K	6.0K	4.1K	2.9K	2.3K	1.9K	1.7K	1.5K	1.4K	1.3K	1.2K
100%	98%	92%	82%	69%	56%	43%	32%	23%	16%	11%	7%	5%	4%	3%	3%	3%	2%	2%	2%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
56.9K	56.1K	52.2K	46.3K	39.2K	31.7K	24.4K	17.9K	12.7K	8.8K	6.1K	4.2K	3.1K	2.4K	1.9K	1.7K	1.5K	1.4K	1.3K	1.2K
100%	99%	92%	81%	69%	56%	43%	32%	22%	15%	11%	7%	5%	4%	3%	3%	3%	2%	2%	2%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
56.9K	56.0K	52.2K	46.5K	39.5K	32.0K	24.7K	18.2K	12.9K	8.9K	6.0K	4.1K	2.9K	2.3K	1.9K	1.7K	1.5K	1.4K	1.3K	1.2K
100%	98%	92%	82%	69%	56%	43%	32%	23%	16%	11%	7%	5%	4%	3%	3%	3%	2%	2%	2%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
56.9K	56.1K	52.2K	46.3K	39.2K	31.7K	24.4K	17.9K	12.7K	8.8K	6.1K	4.2K	3.1K	2.4K	1.9K	1.7K	1.5K	1.4K	1.3K	1.2K
100%	99%	92%	81%	69%	56%	43%	32%	22%	15%	11%	7%	5%	4%	3%	3%	3%	2%	2%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
10.9°	**20.2°**	**33.7°**	**89.2%**	**86.3%**