Light efficiency:

57 Lumen/Watt

Light quality:

CRI: 73.1

Color temperature:

6602 K

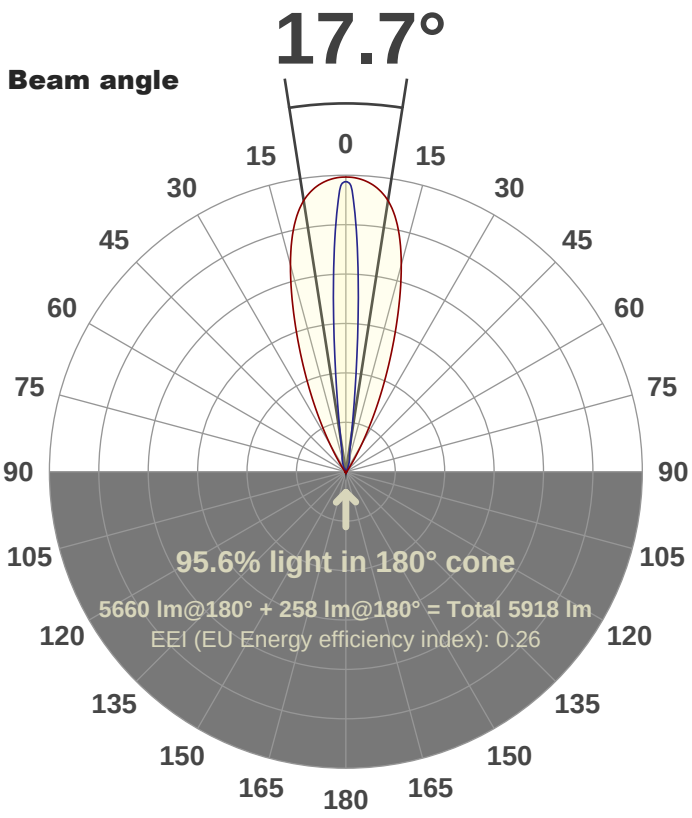
Output: 5660 lm

Peak: 34610 cd

Power: 99.3 W

PF: 1.0

Beam angle



Product name:

FL100-CM-RGBW65K-IM-10X40-ELV-SM-WHITE

Date and time:

13-Jun-18 10:57:28 AM

Additional Information:

LED: RGBW

FIXTURE: FL100

FILM: 250232 (1°X40°)

COLOR-AMP: ON

STABILIZED: YES

COLOR (RGBW): WHITE

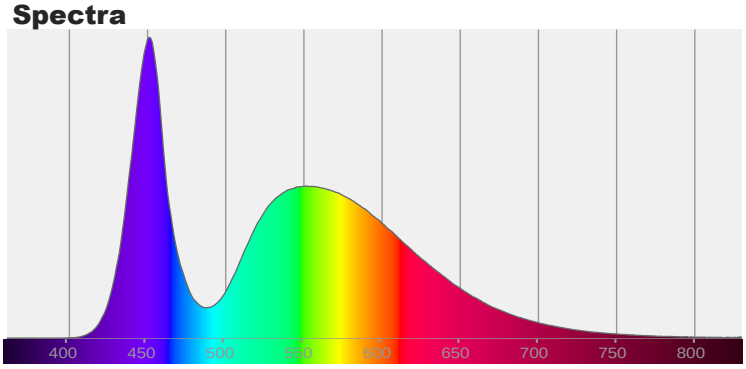
FWHM: 9.6°X39.1°

PERFORMED BY: ABDULLAH QURESHI

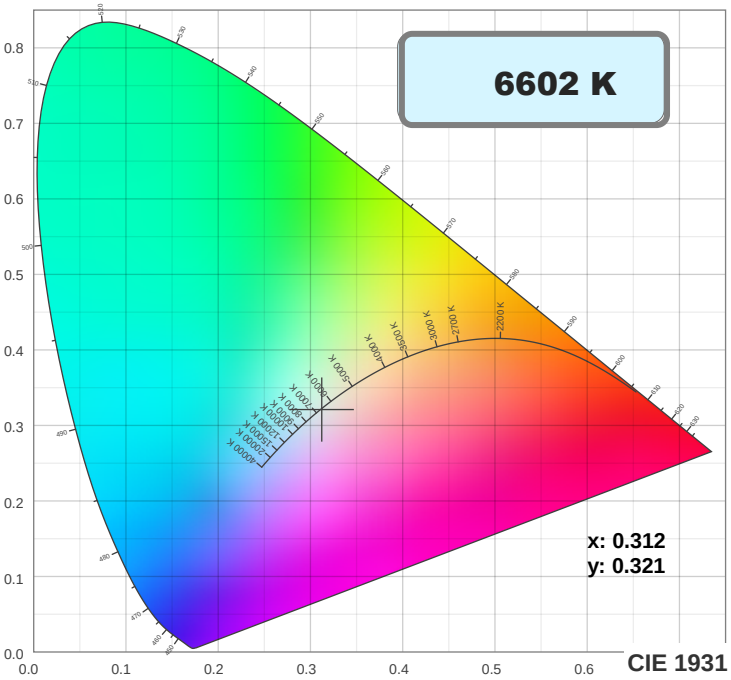
Color

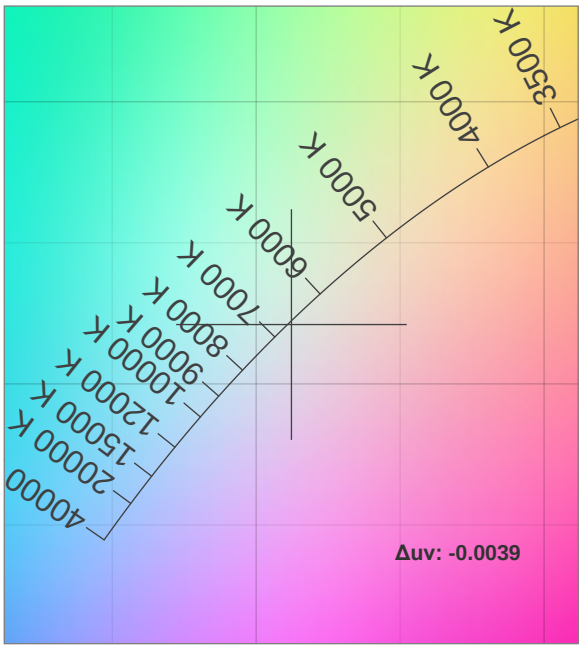
CIE 1931
x: 0.312
y: 0.321

Spectra



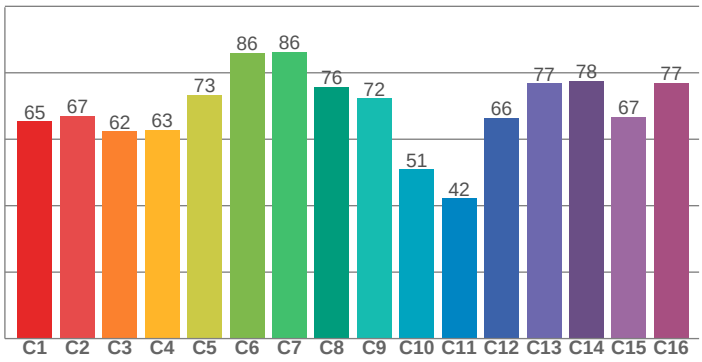
Color details



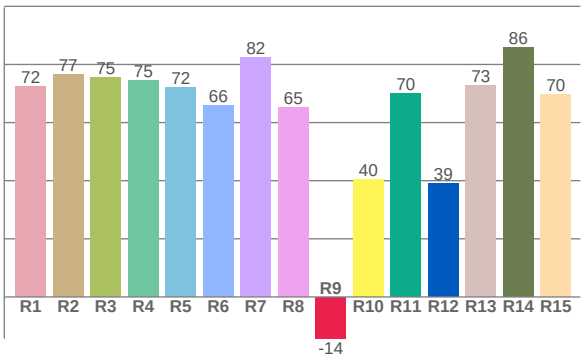


CIE 1931 ZOOM

TM30: 68.7



CRI: 73.1 (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
72.3	76.6	75.4	74.6	72.1	66.0	82.4	65.3	-14.3	40.5	70.2	39.0	72.7	85.9	69.6

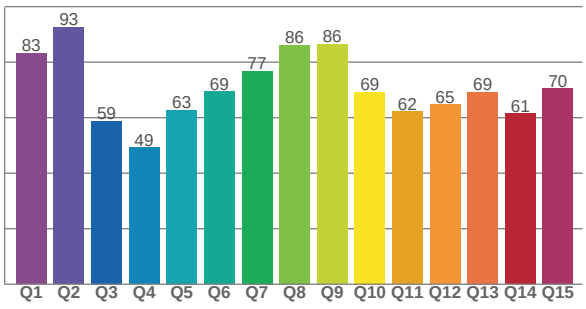
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.3	67.0	62.3	62.8	73.4	86.0	86.2	75.8	72.3	50.9	42.2	66.5	76.8	77.5	66.7	76.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.2	92.6	58.9	49.2	62.7	69.5	76.9	86.2	86.4	69.3	62.1	64.8	69.2	61.4	70.5

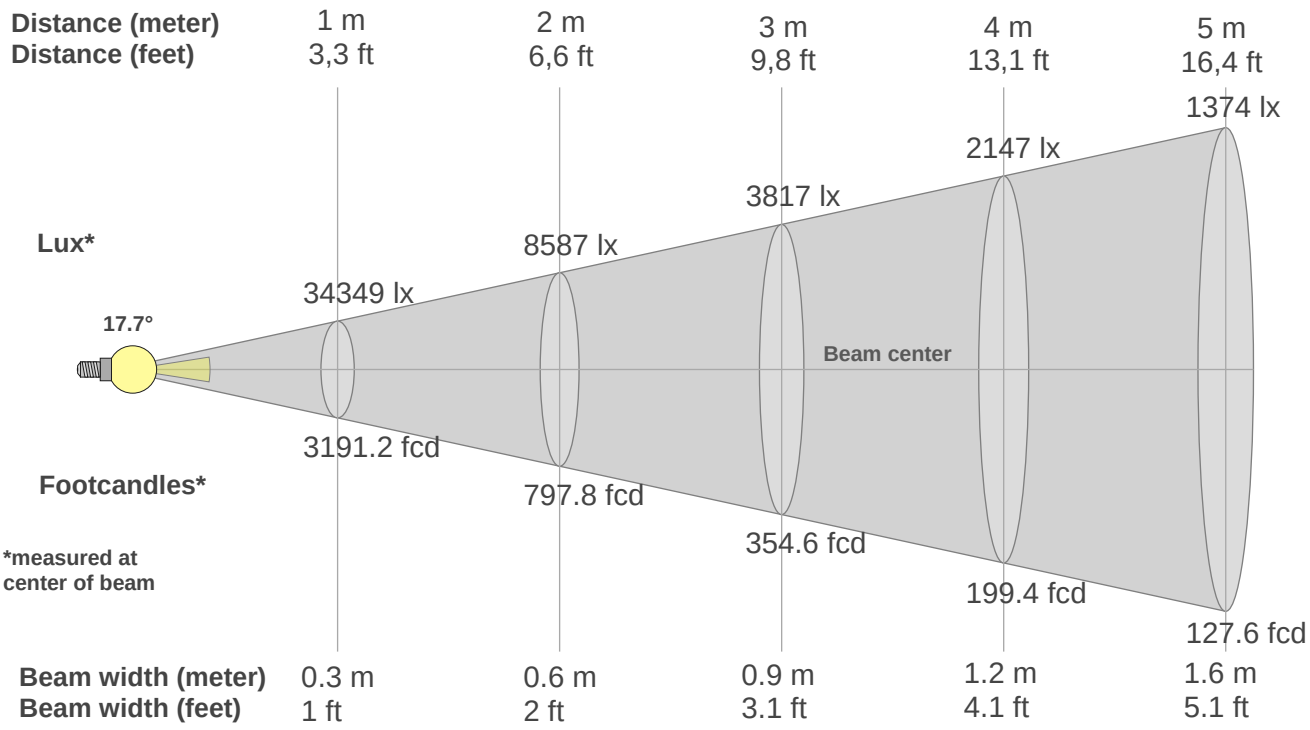
CQS: 68.6



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
6602 K	73.1	-14.3	68.7	93.3	68.6	0.312	0.321	0.201	0.309	-0.0039

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
34349lx	8587lx	3817lx	2147lx	1374lx	954lx	701lx	537lx	424lx	343lx	284lx	239lx	203lx	175lx	153lx	134lx	119lx	106lx	95lx	86lx
3191.2fcd	797.8fcd	354.6fcd	199.4fcd	127.6fcd	88.6fcd	65.1fcd	49.9fcd	39.4fcd	31.9fcd	26.4fcd	22.2fcd	18.9fcd	16.3fcd	14.2fcd	12.5fcd	11fcd	9.8fcd	8.8fcd	8fcd

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°
34.3K	34.6K	34.5K	34.4K	34.2K	33.9K	33.6K	33.2K	32.7K	32.1K	31.3K	30.4K	29.3K	28.1K	26.7K	25.1K	23.5K	21.8K	20.0K	18.2K
100%	101%	100%	100%	100%	99%	98%	97%	95%	93%	91%	89%	85%	82%	78%	73%	68%	63%	58%	53%

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°
34.3K	33.4K	30.3K	26.0K	21.0K	15.9K	11.4K	7.8K	5.4K	3.8K	2.9K	2.4K	2.1K	1.9K	1.8K	1.7K	1.6K	1.5K	1.4K	1.2K
100%	97%	88%	76%	61%	46%	33%	23%	16%	11%	8%	7%	6%	6%	5%	5%	5%	4%	4%	4%

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°
34.3K	34.6K	34.5K	34.4K	34.2K	33.9K	33.6K	33.2K	32.7K	32.1K	31.3K	30.4K	29.3K	28.1K	26.7K	25.1K	23.5K	21.8K	20.0K	18.2K
100%	101%	100%	100%	100%	99%	98%	97%	95%	93%	91%	89%	85%	82%	78%	73%	68%	63%	58%	53%

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°
34.3K	33.4K	30.3K	26.0K	21.0K	15.9K	11.4K	7.8K	5.4K	3.8K	2.9K	2.4K	2.1K	1.9K	1.8K	1.7K	1.6K	1.5K	1.4K	1.2K
100%	97%	88%	76%	61%	46%	33%	23%	16%	11%	8%	7%	6%	6%	5%	5%	5%	4%	4%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.7°	**31.7°**	**55.8°**	**90.9%**	**87.6%**