

**Light efficiency:**



**Light quality:**



**Color temperature:**

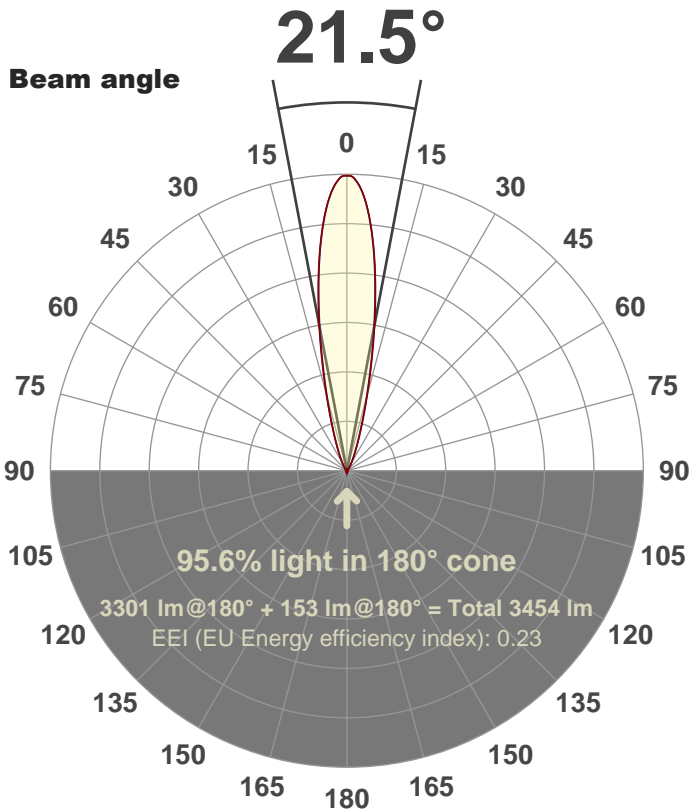


**Output: 3301 lm**

**Peak: 15958 cd**

**Power: 50.0 W**

**PF: 1.0**



**Product name:**

**FL50-CM-RGBW65K-IM-20-ELV-SM-WHITE**

**Date and time:**

**30-May-18 10:36:25 AM**

**Additional Information:**

**LED: RGBW**

**FIXTURE: FL50**

**FILM: 250255 (20°)**

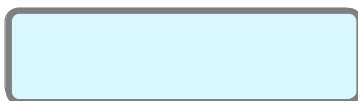
**COLORAMP: ON**

**STABILIZED: YES**

**COLOR (RGBW): WHITE**

**PERFORMED BY: ABDULLAH QURESHI**

**Color**

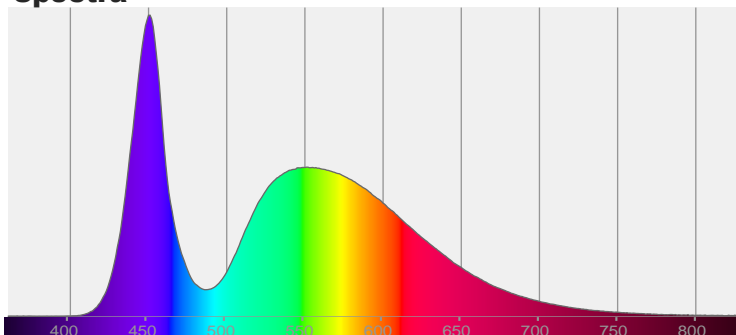


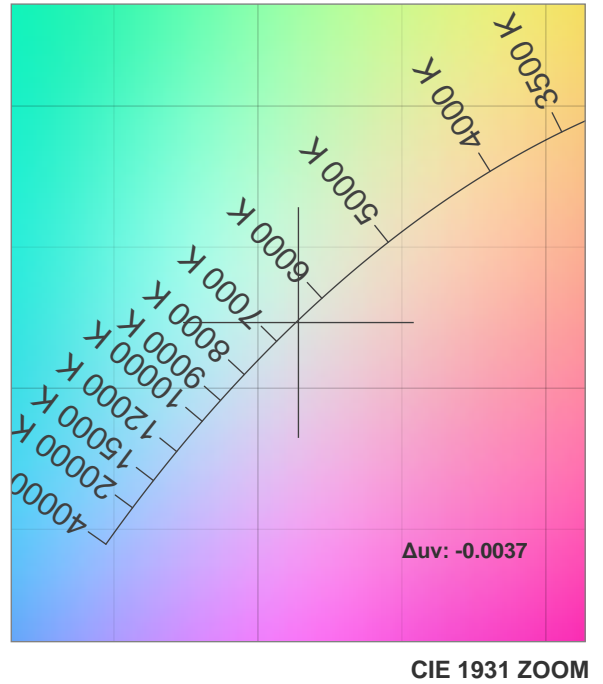
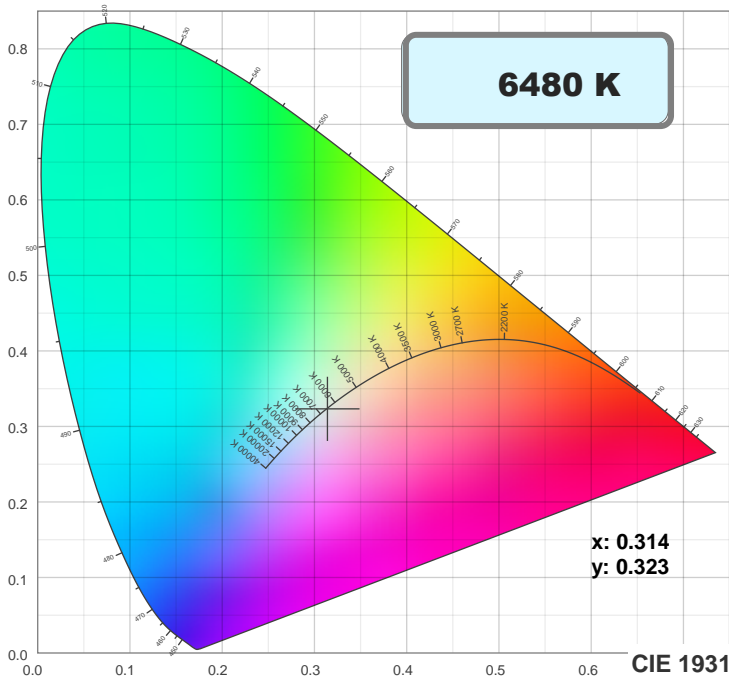
**CIE 1931**

**x: 0.314**

**y: 0.323**

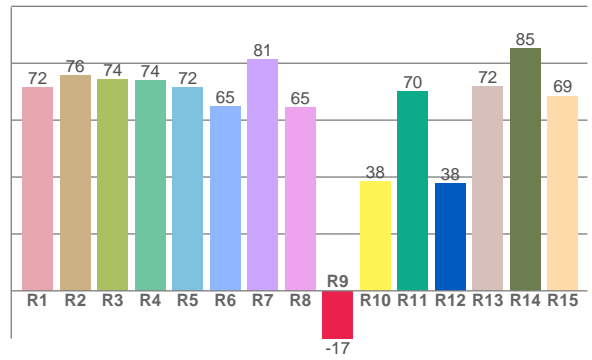
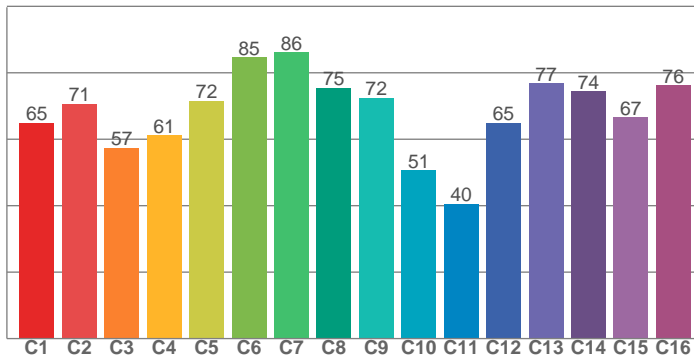
**Spectra**



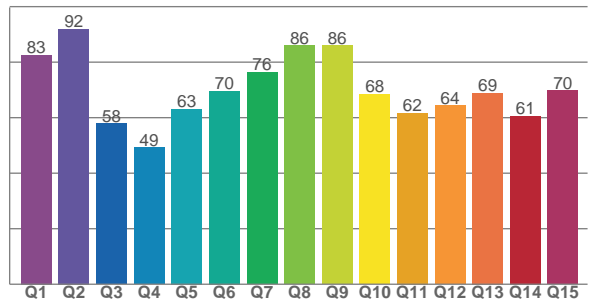


**TM30: 67.8**

**CRI: 72.3 (R1-R8)**



**CQS: 68.2**



**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
71.6	75.6	74.4	74.1	71.6	64.9	81.4	64.5	-16.8	38.3	70.1	37.7	71.8	85.3	68.5

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

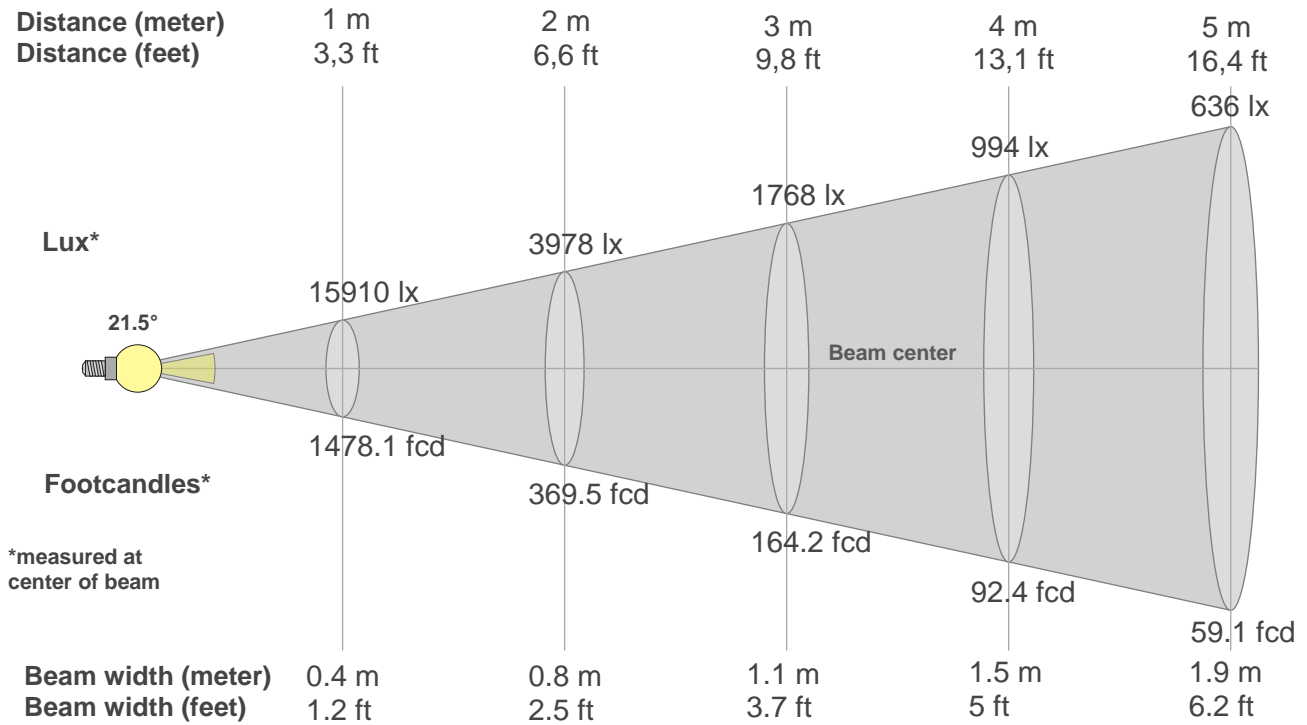
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.0	70.7	57.3	61.2	71.6	84.7	86.1	75.4	72.5	50.6	40.5	65.0	76.9	74.4	66.5	76.2

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.5	92.0	57.8	49.2	63.1	69.6	76.3	86.0	86.0	68.4	61.6	64.4	68.9	60.7	69.8

## 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
6480 K	72.3	-16.8	67.8	93.8	68.2	0.314	0.323	0.201	0.310	-0.0037



### 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
15910lx	3978lx	1768lx	994lx	636lx	442lx	325lx	249lx	196lx	159lx	131lx	110lx	94lx	81lx	71lx	62lx	55lx	49lx	44lx	40lx
1478.1fcd	369.5fcd	164.2fcd	92.4fcd	59.1fcd	41.1fcd	30.2fcd	23.1fcd	18.2fcd	14.8fcd	12.2fcd	10.3fcd	8.7fcd	7.5fcd	6.6fcd	5.8fcd	5.1fcd	4.6fcd	4.1fcd	3.7fcd

### 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°
15.9K	15.6K	14.5K	12.9K	10.9K	8.8K	6.8K	5.0K	3.6K	2.6K	1.9K	1.4K	1.1K	0.8K	0.6K	0.5K	0.4K	0.3K	0.2K	0.2K
100%	98%	91%	81%	69%	55%	42%	32%	23%	17%	12%	9%	7%	5%	4%	3%	2%	2%	1%	1%

### 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°
15.9K	15.6K	14.5K	12.9K	10.8K	8.6K	6.6K	4.8K	3.5K	2.5K	1.8K	1.4K	1.0K	0.8K	0.6K	0.5K	0.4K	0.3K	0.2K	0.2K
100%	98%	91%	81%	68%	54%	41%	30%	22%	16%	12%	9%	7%	5%	4%	3%	2%	2%	1%	1%

### 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°
15.9K	15.6K	14.5K	12.9K	10.9K	8.8K	6.8K	5.0K	3.6K	2.6K	1.9K	1.4K	1.1K	0.8K	0.6K	0.5K	0.4K	0.3K	0.2K	0.2K
100%	98%	91%	81%	69%	55%	42%	32%	23%	17%	12%	9%	7%	5%	4%	3%	2%	2%	1%	1%

### 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°
15.9K	15.6K	14.5K	12.9K	10.8K	8.6K	6.6K	4.8K	3.5K	2.5K	1.8K	1.4K	1.0K	0.8K	0.6K	0.5K	0.4K	0.3K	0.2K	0.2K
100%	98%	91%	81%	68%	54%	41%	30%	22%	16%	12%	9%	7%	5%	4%	3%	2%	2%	1%	1%

<b>Beam angle 50%</b>	<b>Field angle 10%</b>	<b>Cutoff angle 2,5%</b>	<b>Intensity ratio in 120° cone</b>	<b>Intensity ratio in 90° cone</b>
<b>21.5°</b>	<b>42.4°</b>	<b>62.9°</b>	<b>90.7%</b>	<b>87.4%</b>