

**Light efficiency:**

**49 Lumen/Watt**

**Light quality:**

**CRI: 74.2**

**Color temperature:**

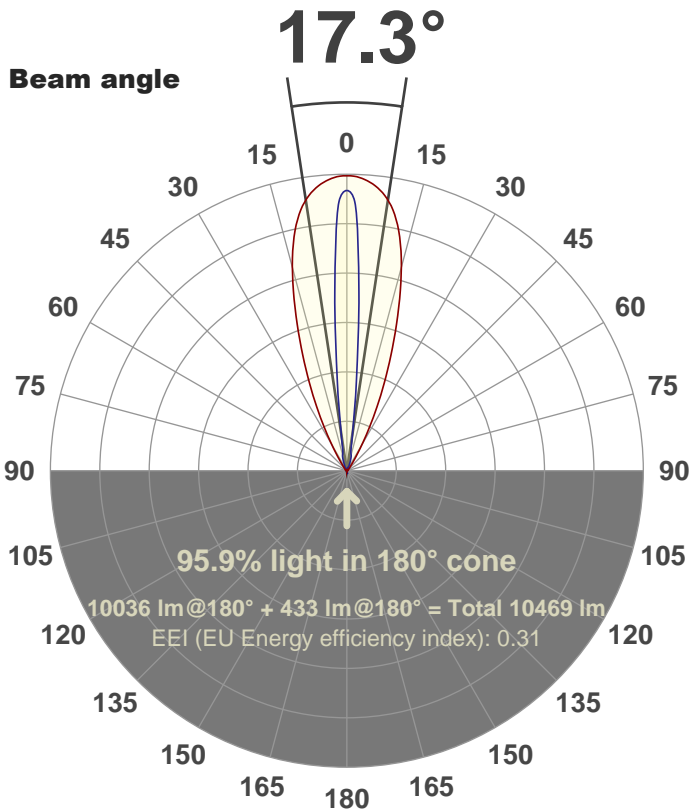
**6619 K**

**Output: 10036 lm**

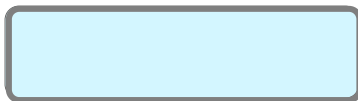
**Peak: 62456 cd**

**Power: 204 W**

**PF: 1.0**



**Color**



**CIE 1931**  
**x: 0.312**  
**y: 0.323**

**Product name:**

**FL200-CM-RGBW-IM-10X40-ELV-SM-WHITE**

**Date and time:**

**27-Aug-18 5:51:21 PM**

**Additional Information:**

**LED: RGBW**

**FIXTURE: FL200**

**FILM: 250283 (1°X40°)**

**COLOR-AMP: ON**

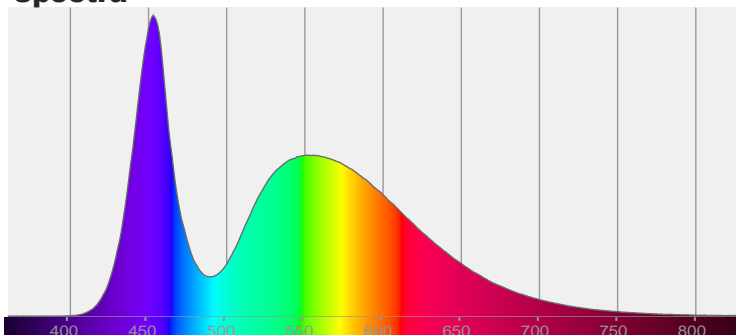
**STABILIZED: YES**

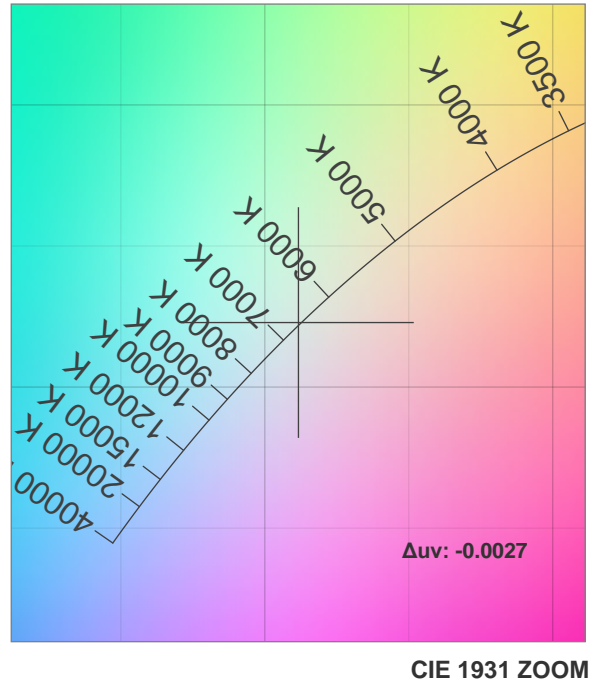
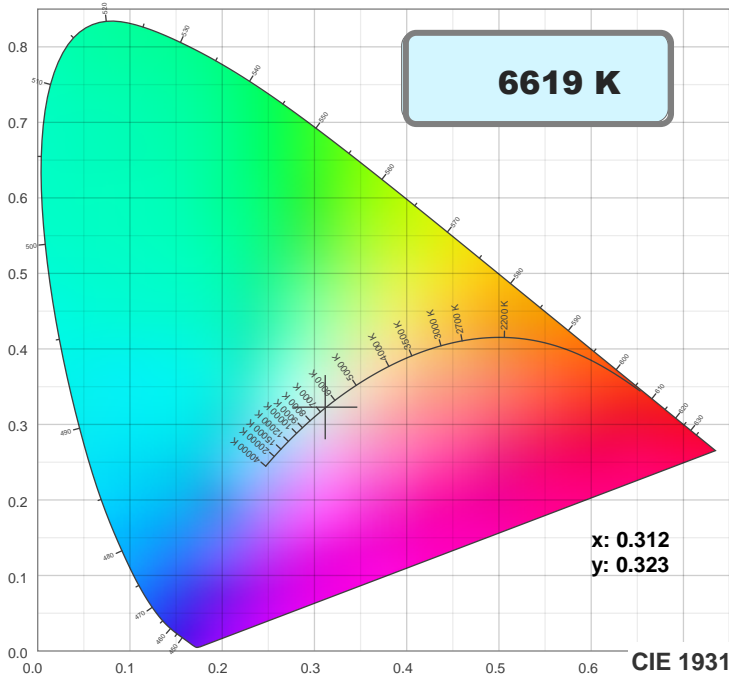
**COLOR (RGBW): WHITE**

**FWHM: 9.9°X38.5°**

**PERFORMED BY: ABDULLAH QURESHI**

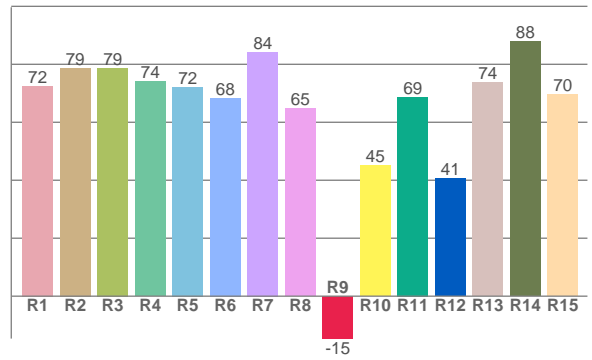
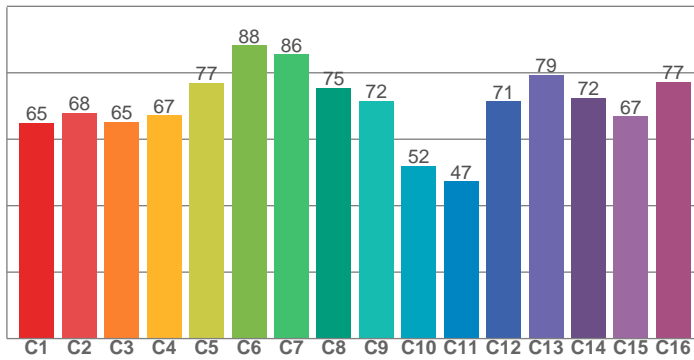
**Spectra**





**TM30: 70.5**

**CRI: 74.2 (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
72.5	78.7	78.7	74.1	72.2	68.4	84.2	64.8	-14.6	45.2	68.7	40.7	73.7	87.8	69.7

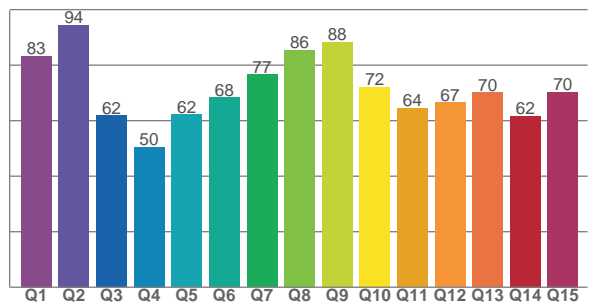
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.9	67.9	65.2	67.2	76.9	88.2	85.5	75.4	71.6	52.0	47.4	71.4	79.4	72.4	66.9	77.2

**CQS Q values**

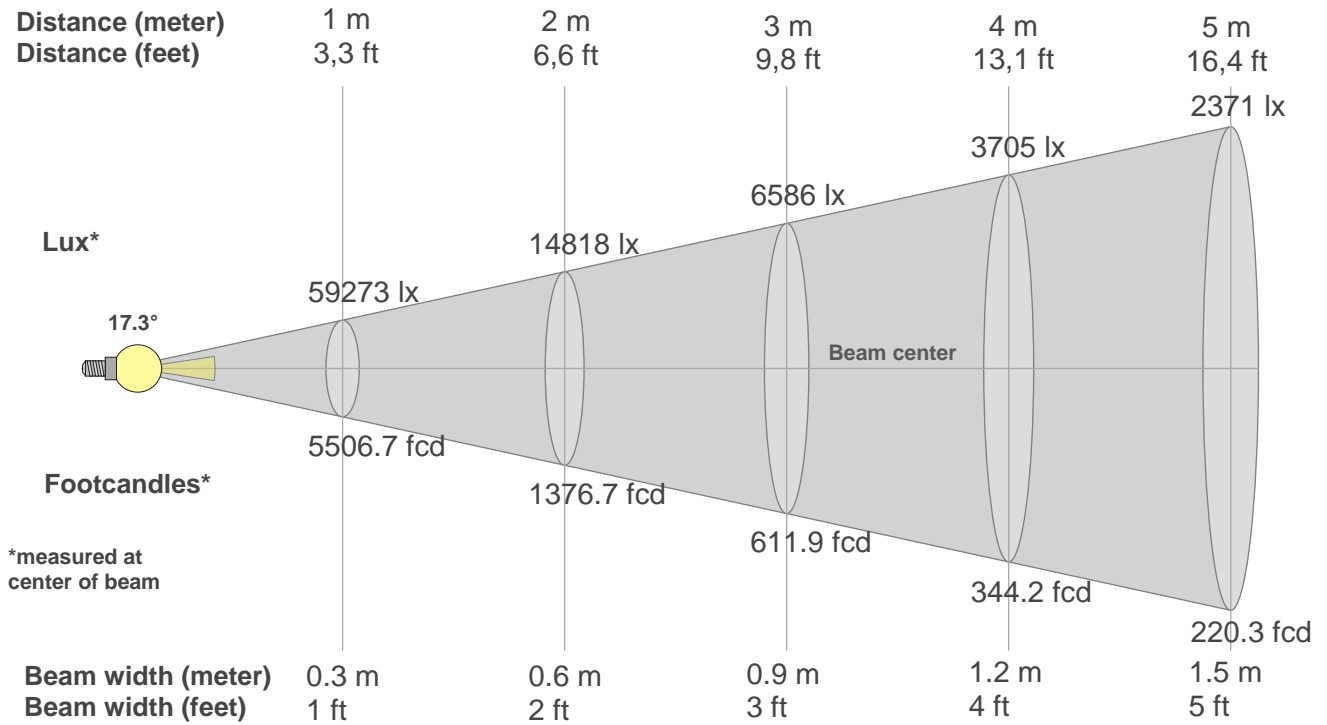
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.2	94.4	61.8	50.5	62.2	68.3	76.7	85.5	88.4	72.1	64.4	66.5	70.2	61.6	70.3

**CQS: 69.5**



## 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
6619 K	74.2	-14.6	70.5	92.8	69.5	0.312	0.323	0.199	0.310	-0.0027



### 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
59273lx	14818lx	6586lx	3705lx	2371lx	1646lx	1210lx	926lx	732lx	593lx	490lx	412lx	351lx	302lx	263lx	232lx	205lx	183lx	164lx	148lx
5506.7fcd	1376.7fcd	611.9fcd	344.2fcd	220.3fcd	153fcd	112.4fcd	86fcd	68fcd	55.1fcd	45.5fcd	38.2fcd	32.6fcd	28.1fcd	24.5fcd	21.5fcd	19.1fcd	17fcd	15.3fcd	13.8fcd

### 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°
59.3K	62.5K	62.3K	62.0K	61.6K	61.1K	60.4K	59.6K	58.7K	57.4K	56.2K	54.3K	52.4K	50.0K	47.4K	44.6K	41.5K	38.3K	35.1K	32.0K
100%	105%	105%	105%	104%	103%	102%	101%	99%	97%	95%	92%	88%	84%	80%	75%	70%	65%	59%	54%

### 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°
59.3K	57.0K	54.2K	45.5K	36.8K	28.2K	19.6K	14.8K	10.0K	7.6K	5.8K	4.8K	4.2K	3.8K	3.7K	3.5K	3.3K	3.1K	2.8K	2.4K
100%	96%	92%	77%	62%	48%	33%	25%	17%	13%	10%	8%	7%	6%	6%	6%	6%	5%	5%	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°
59.3K	62.5K	62.3K	62.0K	61.6K	61.1K	60.4K	59.6K	58.7K	57.4K	56.2K	54.3K	52.4K	50.0K	47.4K	44.6K	41.5K	38.3K	35.1K	32.0K
100%	105%	105%	105%	104%	103%	102%	101%	99%	97%	95%	92%	88%	84%	80%	75%	70%	65%	59%	54%

### 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°
59.3K	57.0K	54.2K	45.5K	36.8K	28.2K	19.6K	14.8K	10.0K	7.6K	5.8K	4.8K	4.2K	3.8K	3.7K	3.5K	3.3K	3.1K	2.8K	2.4K
100%	96%	92%	77%	62%	48%	33%	25%	17%	13%	10%	8%	7%	6%	6%	6%	6%	5%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.3°	31.8°	56.6°	90.4%	86.5%