

# FS3000LED



Light Efficiency:



Light Quality:



Color Temperature:



Output: 8585 lm

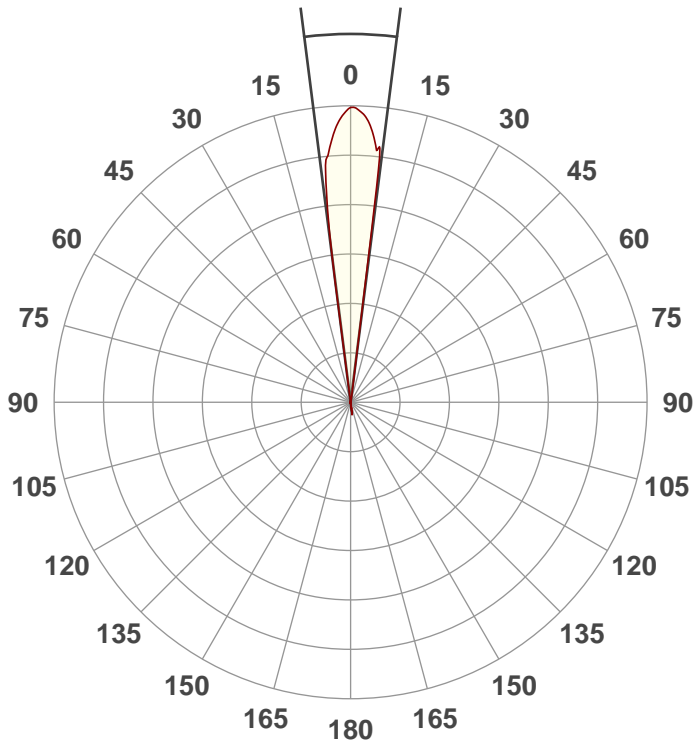
Peak: 164102 cd

Power: 333.9 W

PF: 1.0

Beam Angle

14.5°



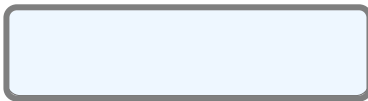
Test:

Zoom In

Date:

6/24/2020

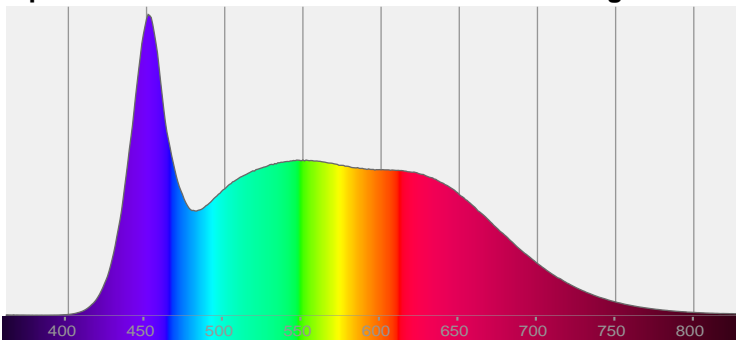
Note:



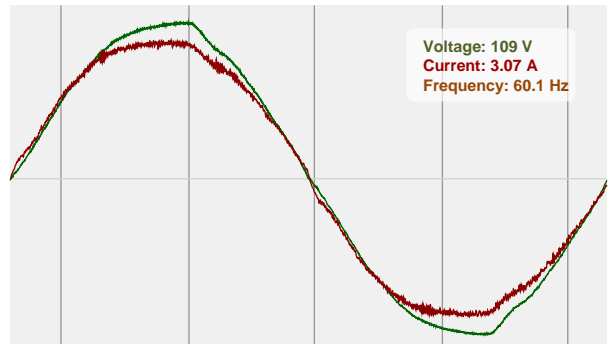
CIE 1931  
x: 0.324  
y: 0.324

Spectra

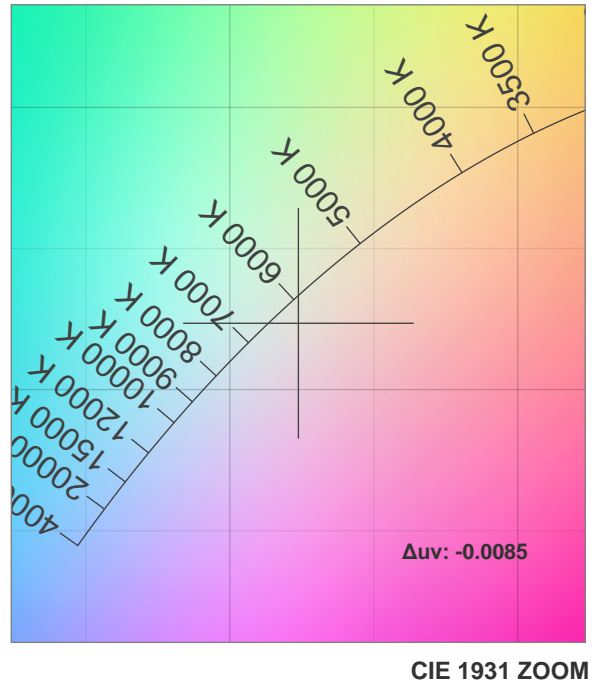
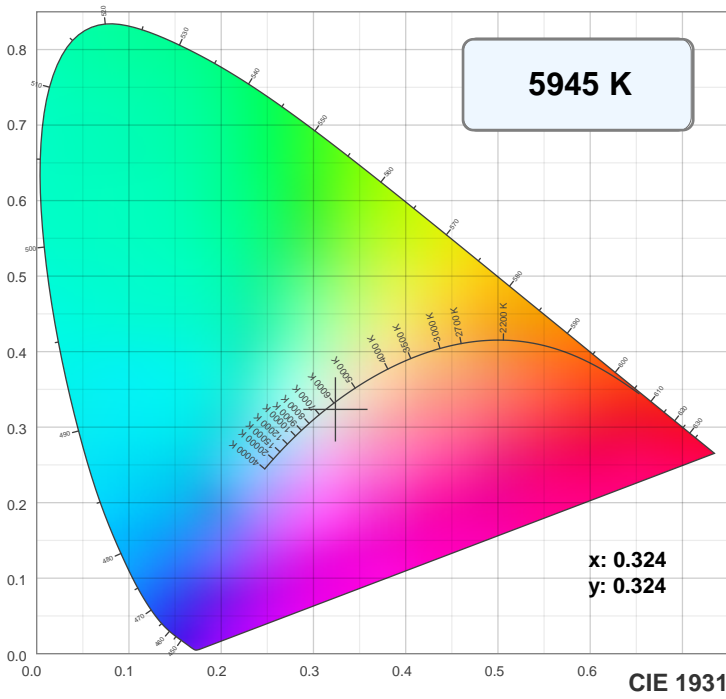
Dominant Wavelength: 829nm



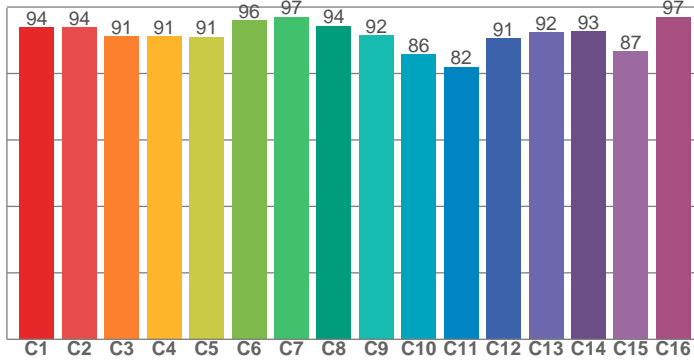
Power



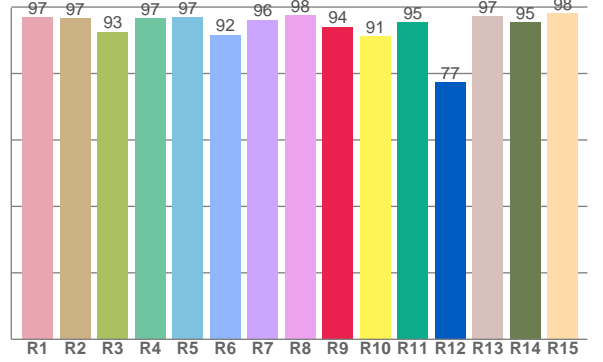
# Color Details



**TM30: 91.4**



**CRI: 95.6 (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
96.9	96.6	92.5	96.6	97.0	91.7	96.2	97.6	94.0	91.2	95.3	77.4	97.3	95.5	98.0

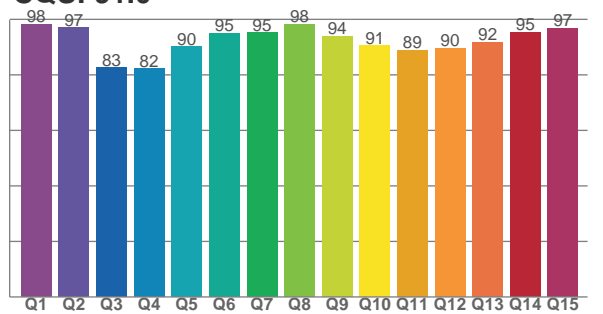
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93.8	93.9	91.1	91.2	91.1	95.9	97.0	94.4	91.5	85.7	82.0	90.6	92.4	92.7	86.7	97.0

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
98.3	97.1	82.6	82.3	90.2	95.1	95.3	98.3	93.9	90.6	88.9	89.7	91.8	95.4	96.8

**CQS: 91.0**



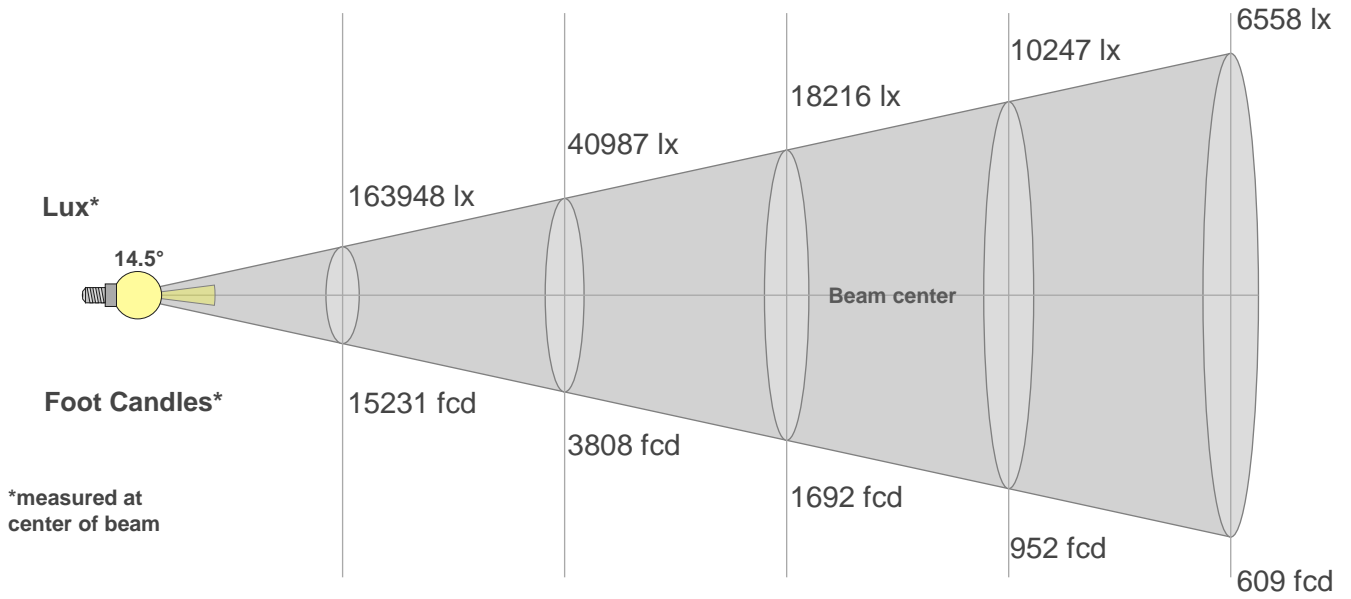
## Color Parameters

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
5945 K	95.6	94.0	91.4	102.2	91.0	0.324	0.324	0.208	0.311	-0.0085

# Beam Details

Distance (meter)  
Distance (feet)

1 2 3 4 5  
3.3 6.6 9.8 13.1 16.4



Beam Width (meter)  
Beam Width (feet)

0.3 0.5 0.8 1 1.3  
0.8 1.7 2.5 3.3 4.2

## Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	163948	40987	18216	10247	6558	4554	3346	2562	2024	1639	1355	1139	970	836	729	640	567	506	454	410
fcd	15231.3	3807.8	1692.4	952	609.3	423.1	310.8	238	188	152.3	125.9	105.8	90.1	77.7	67.7	59.5	52.7	47	42.2	38.1

## 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°	
164K	162K	158K	154K	147K	140K	131K	95K	14K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	99%	97%	94%	90%	85%	80%	58%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

## 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°	
164K	162K	158K	154K	147K	140K	131K	95K	14K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	99%	97%	94%	90%	85%	80%	58%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

## 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°	
164K	164K	162K	159K	155K	148K	140K	109K	9K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	97%	94%	90%	85%	67%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

## 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°	
164K	164K	162K	159K	155K	148K	140K	109K	9K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	97%	94%	90%	85%	67%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
14.5°	15.7°	16.6°	90.9%	89.3%