

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 90.7

Color temperature:

2684 K

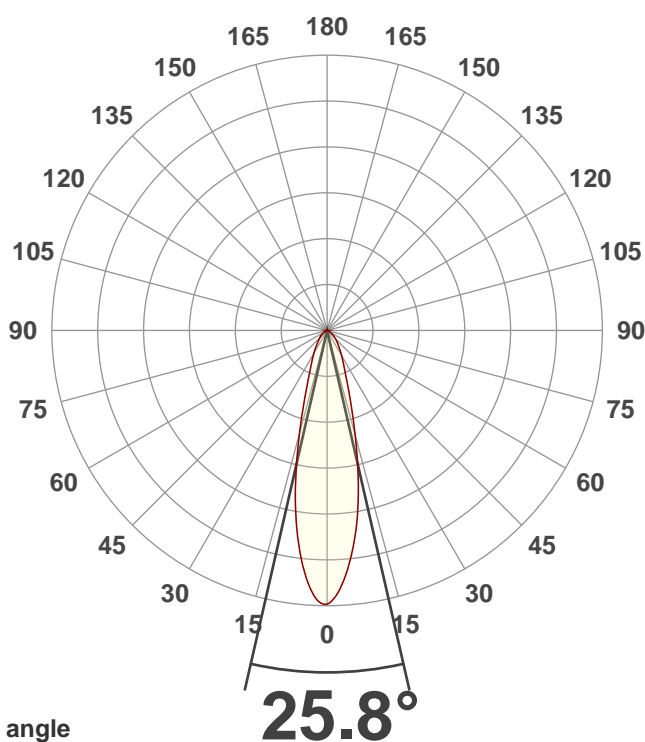
Output: 1428 lm

Peak: 3895 cd

Power: 18.5 W

PF: 0.93

No photo



Beam angle

Color

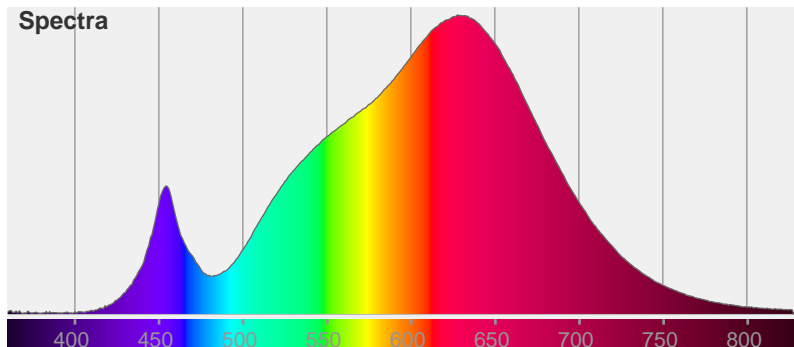


CIE1931

x: 0.458

y: 0.406

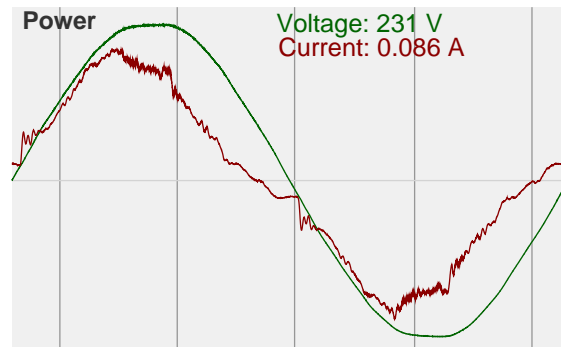
Spectra

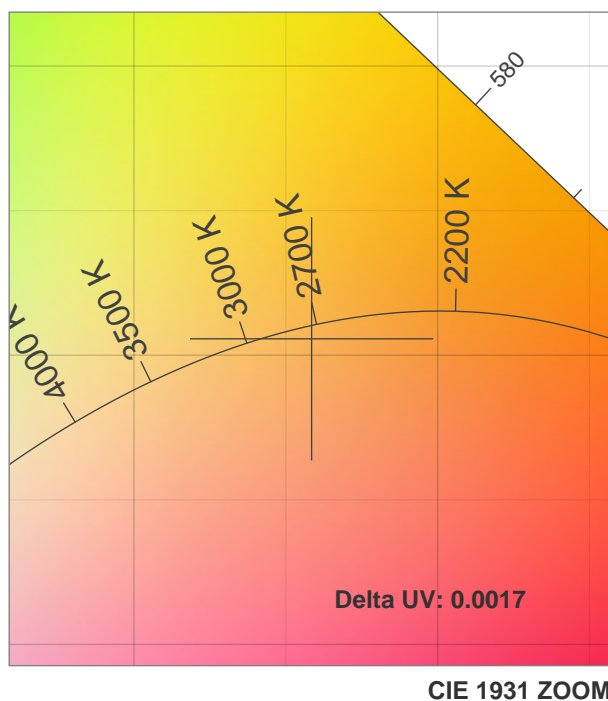
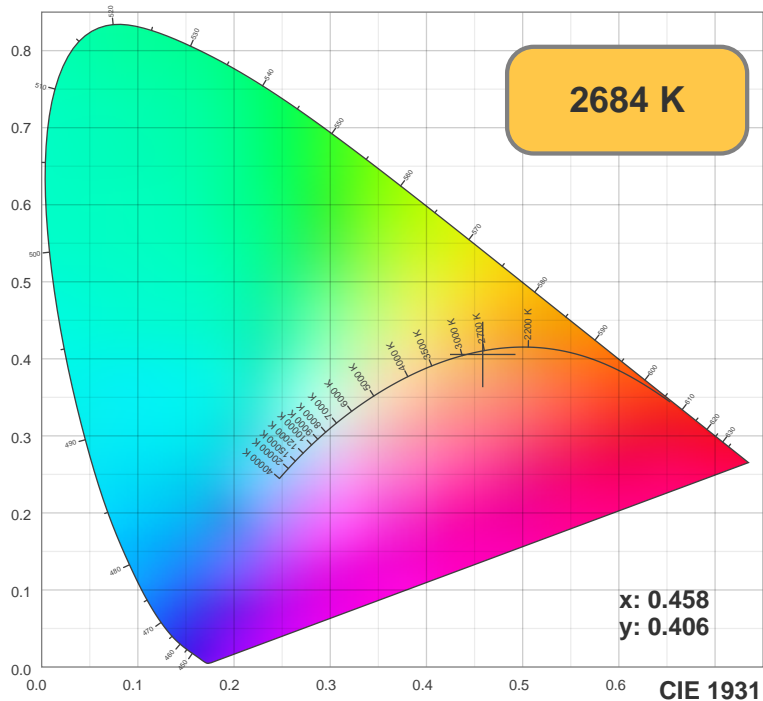


Power

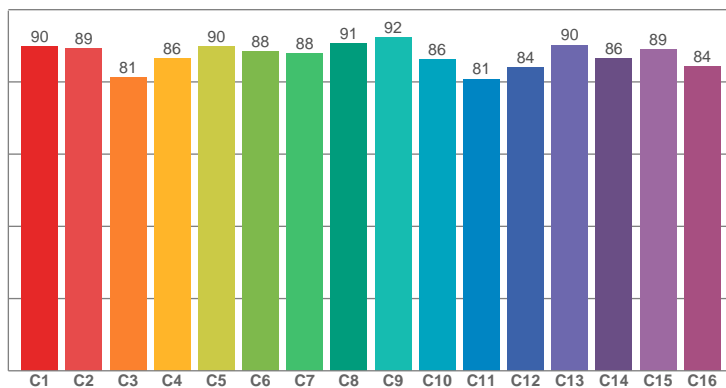
Voltage: 231 V

Current: 0.086 A

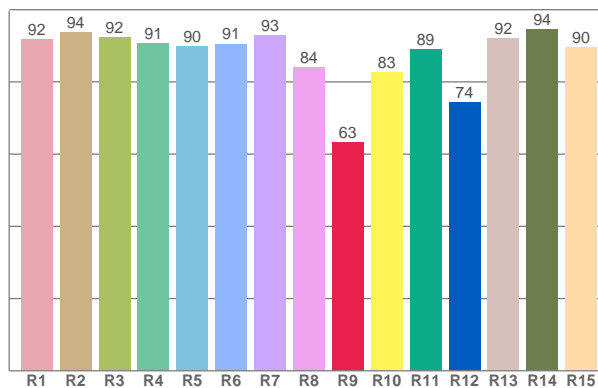




TM30: 87.2



CRI: 90.7 (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
91.68	93.71	92.41	90.58	89.75	90.53	92.84	83.92	63.27	82.53	89.07	74.31	92.00	94.48	89.60

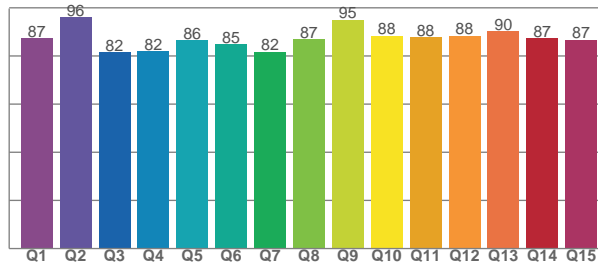
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.73	89.34	81.17	86.46	89.73	88.47	87.91	90.68	92.28	86.17	80.79	84.00	90.22	86.50	88.97	84.30

CQS Q values

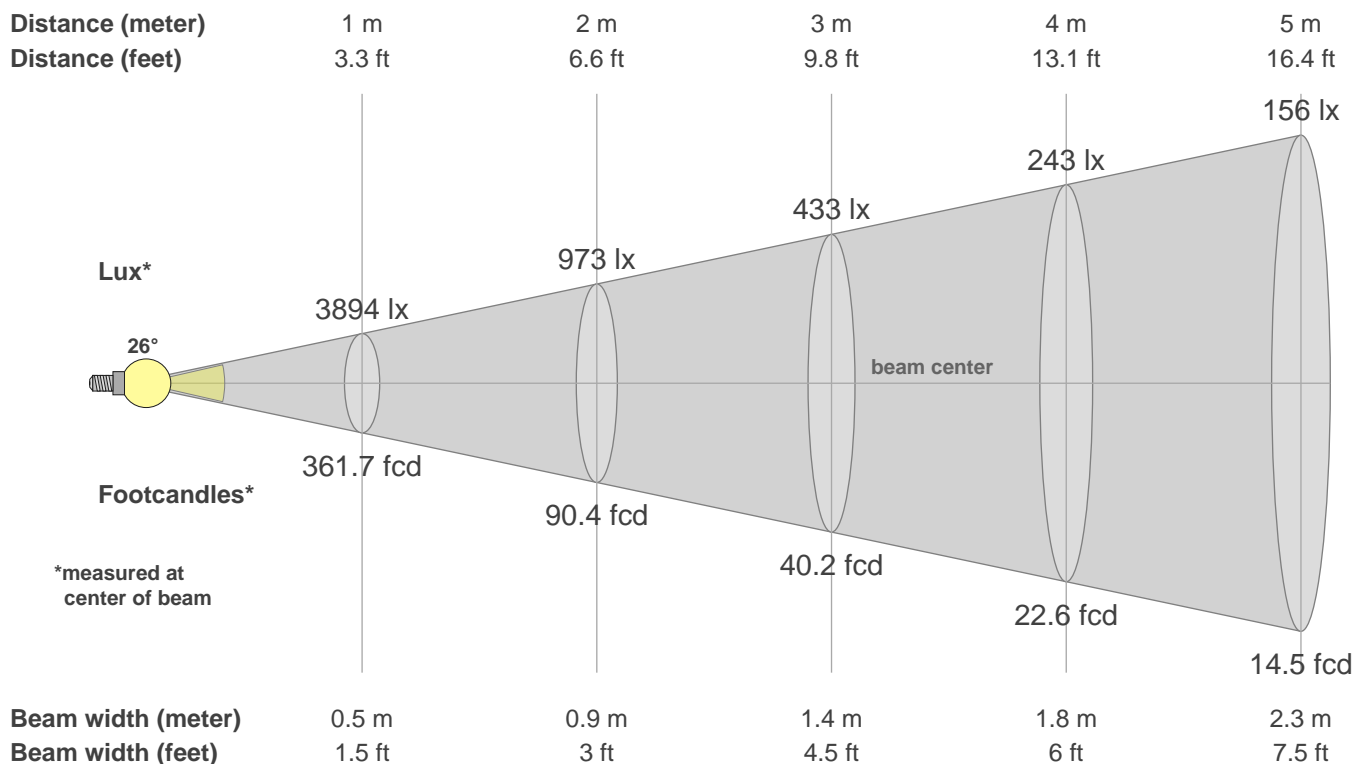
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.26	96.21	81.72	82.01	86.46	85.03	81.79	86.95	95.11	88.42	87.67	88.43	90.21	87.34	86.82

CQS: 86.6



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2684 K	90.7	63.3	87.2	102.2	86.6	0.5	0.4	0.3	0.4	-0.0017



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°
3894	3766	3534	3239	2905	2530	2130	1737	1386	1105	891	730	618	535	469	414	365	322	285	255
100%	97%	91%	83%	75%	65%	55%	45%	36%	28%	23%	19%	16%	14%	12%	11%	9%	8%	7%	7%

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°
3894	3766	3534	3239	2905	2530	2130	1737	1386	1105	891	730	618	535	469	414	365	322	285	255
100%	97%	91%	83%	75%	65%	55%	45%	36%	28%	23%	19%	16%	14%	12%	11%	9%	8%	7%	7%

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°
3894	3844	3639	3343	2983	2581	2147	1725	1354	1055	835	684	575	496	432	378	330	287	250	219
100%	99%	93%	86%	77%	66%	55%	44%	35%	27%	21%	18%	15%	13%	11%	10%	8%	7%	6%	6%

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°
3894	3844	3639	3343	2983	2581	2147	1725	1354	1055	835	684	575	496	432	378	330	287	250	219
100%	99%	93%	86%	77%	66%	55%	44%	35%	27%	21%	18%	15%	13%	11%	10%	8%	7%	6%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
25.8°	60.5°	105.1°	95.3%	86.5%