

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 90.7

Color temperature:

2695 K

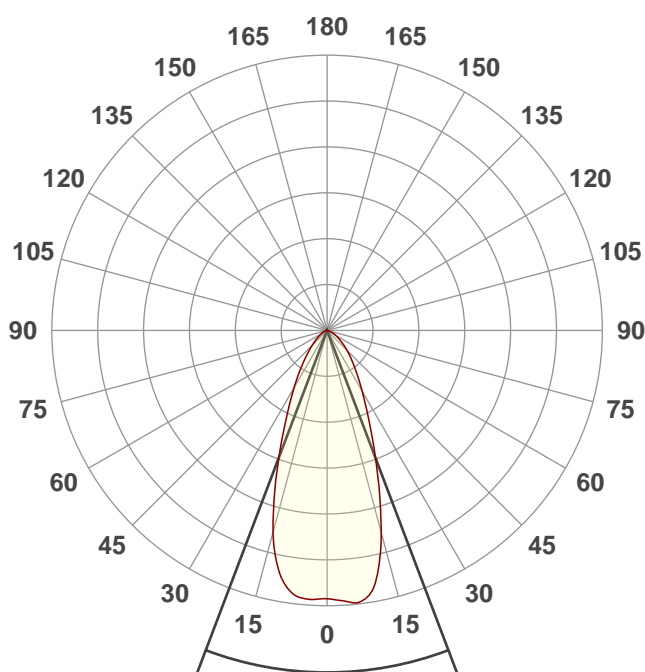
Output: 1433 lm

Peak: 1980 cd

Power: 18.5 W

PF: 0.94

No photo



Beam angle

41.6°

Color

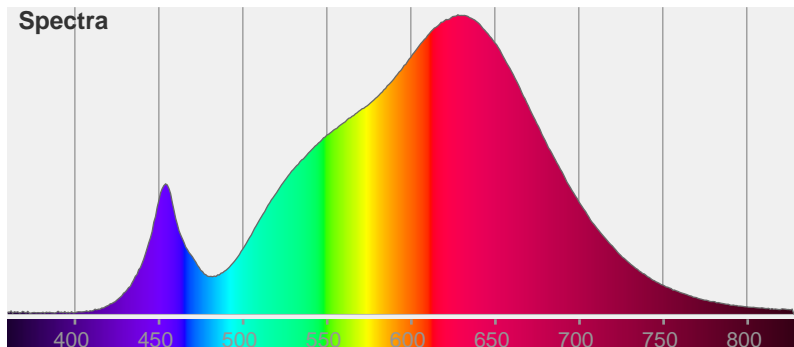


CIE1931

x: 0.458

y: 0.406

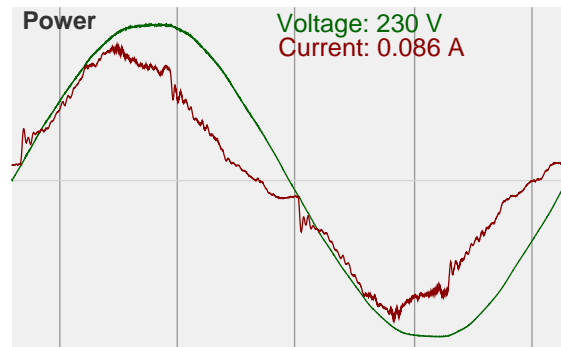
Spectra

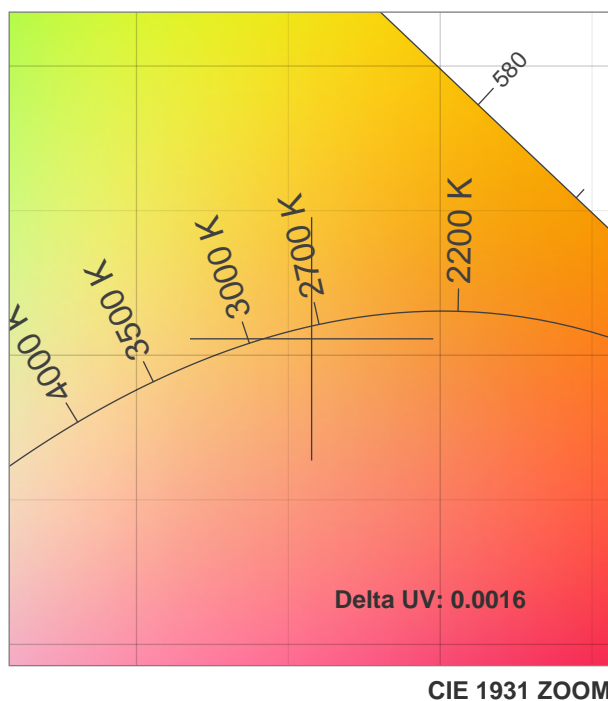
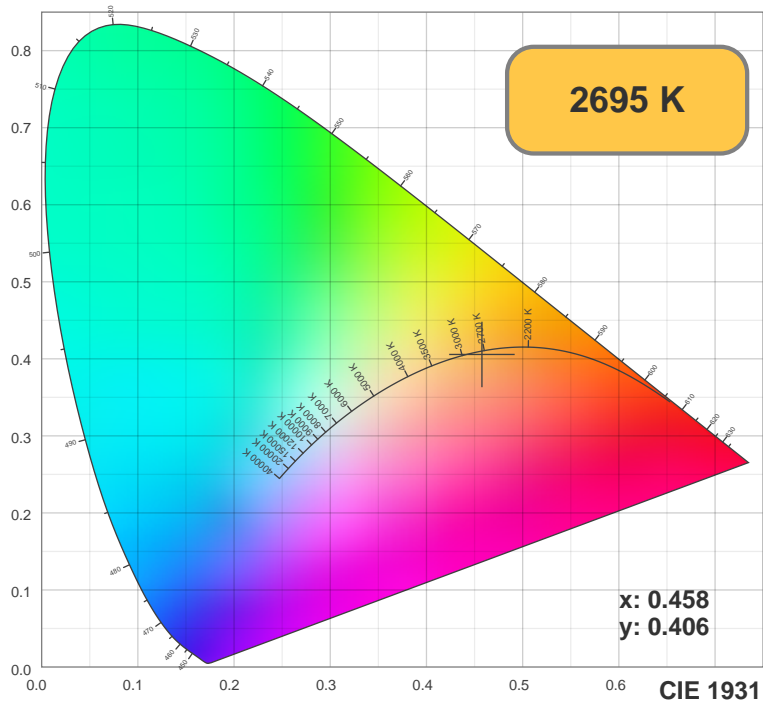


Power

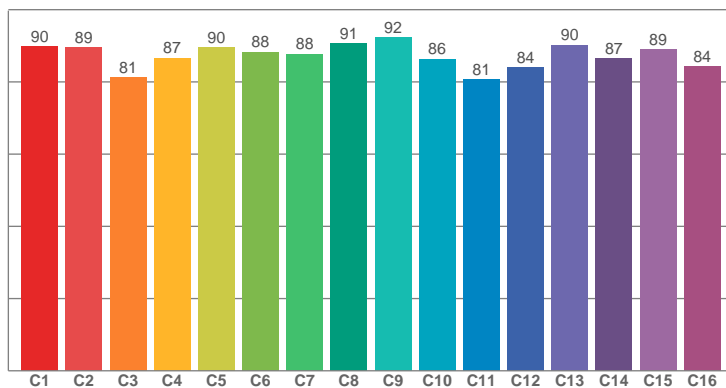
Voltage: 230 V

Current: 0.086 A

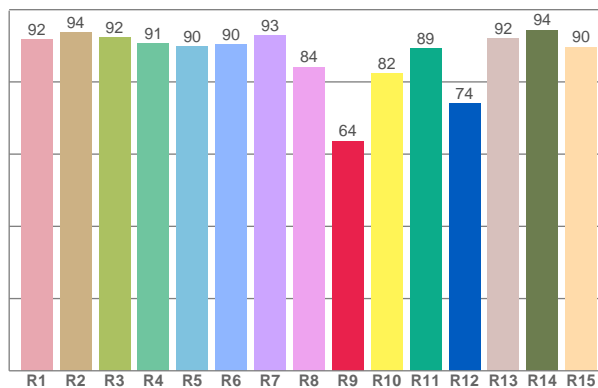




TM30: 87.2



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
91.73	93.63	92.23	90.68	89.79	90.40	92.94	84.17	63.65	82.37	89.23	74.10	92.01	94.39	89.67

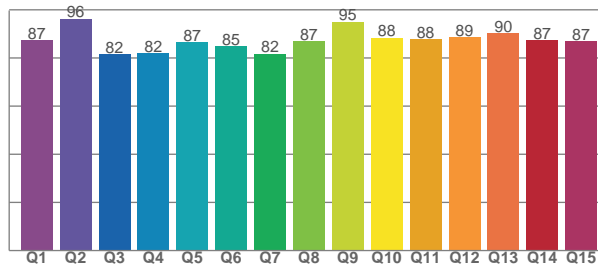
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89.82	89.46	81.19	86.63	89.59	88.30	87.74	90.59	92.24	86.35	80.77	83.92	90.23	86.55	88.91	84.33

CQS Q values

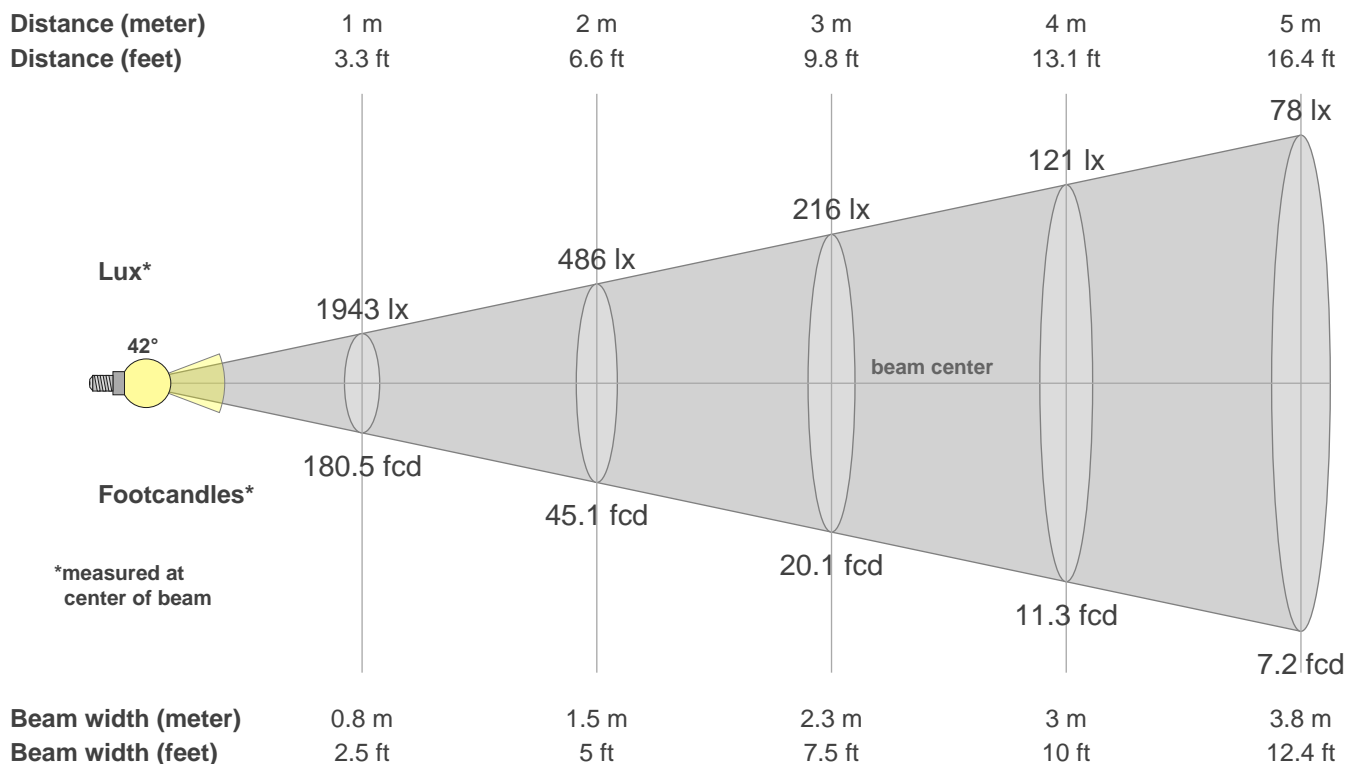
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87.32	96.31	81.70	82.15	86.54	84.95	81.79	87.11	95.09	88.44	87.78	88.61	90.40	87.47	86.92

CQS: 86.7



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2695 K	90.7	63.7	87.2	102.3	86.7	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°
1943	1953	1963	1975	1948	1896	1762	1609	1415	1228	1057	906	776	672	579	512	448	396	349	310
100%	101%	101%	102%	100%	98%	91%	83%	73%	63%	54%	47%	40%	35%	30%	26%	23%	20%	18%	16%

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100%	101%	101%	102%	100%	98%	91%	83%	73%	63%	54%	47%	40%	35%	30%	26%	23%	20%	18%	16%

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°
1943	1945	1949	1933	1900	1830	1725	1589	1414	1228	1057	894	763	649	557	481	413	357	304	262
100%	100%	100%	100%	98%	94%	89%	82%	73%	63%	54%	46%	39%	33%	29%	25%	21%	18%	16%	13%

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°
1943	1945	1949	1933	1900	1830	1725	1589	1414	1228	1057	894	763	649	557	481	413	357	304	262
100%	100%	100%	100%	98%	94%	89%	82%	73%	63%	54%	46%	39%	33%	29%	25%	21%	18%	16%	13%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
41.6°	87.2°	124.5°	95.3%	85.4%