

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 91,5

Color temperature:

4092 K

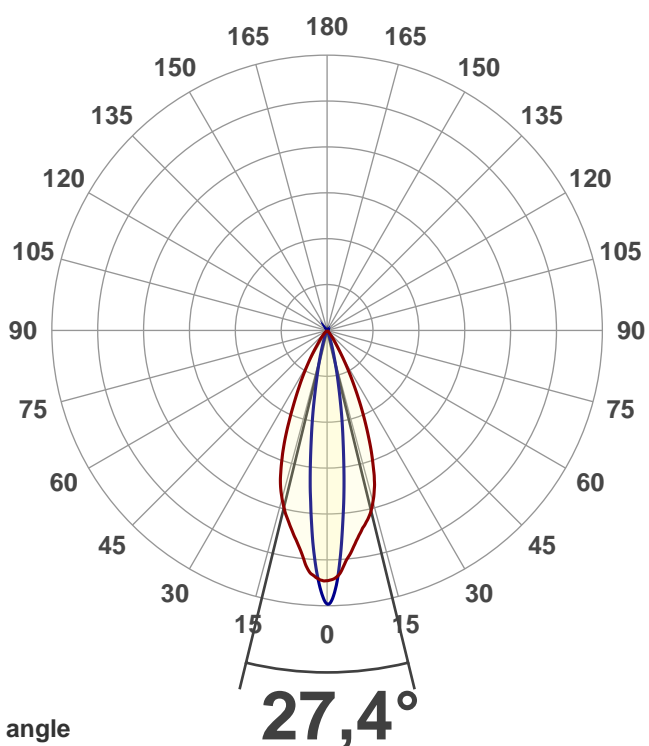
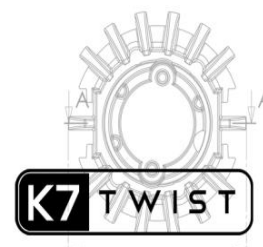
Output: 241 lm

Peak: 949 cd

Power: 3,2 W

3,00V @ 1,05A

2 PLANES



Product name:

K7 4000K_Ellipsoidal_90 0.5 res

Date and time:

25-01-2018 13:21:10

Color

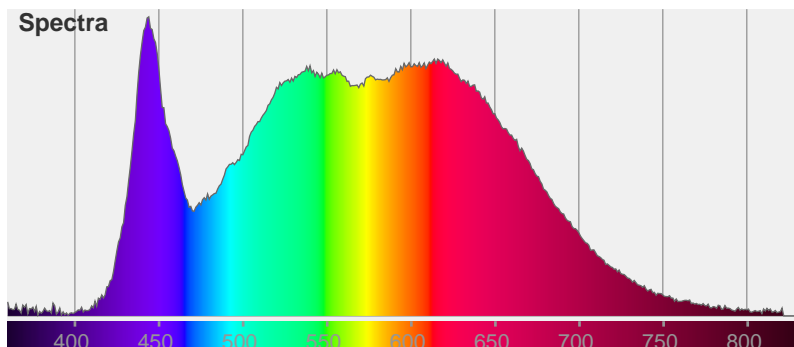


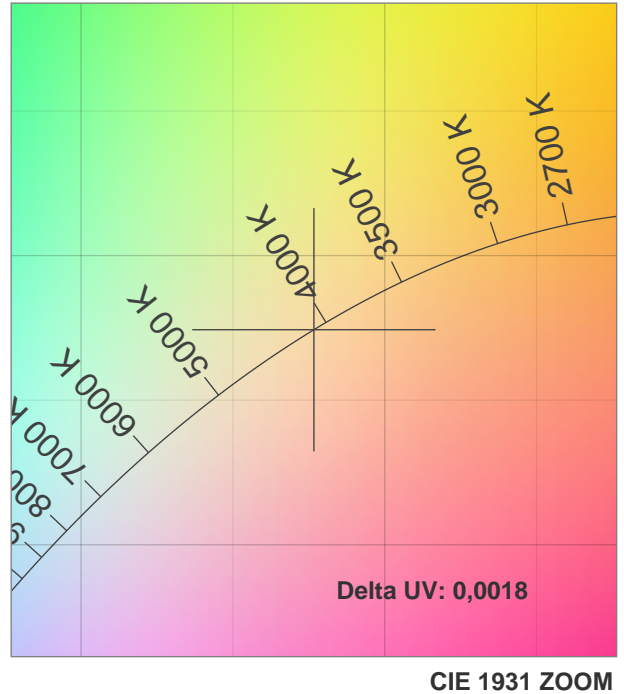
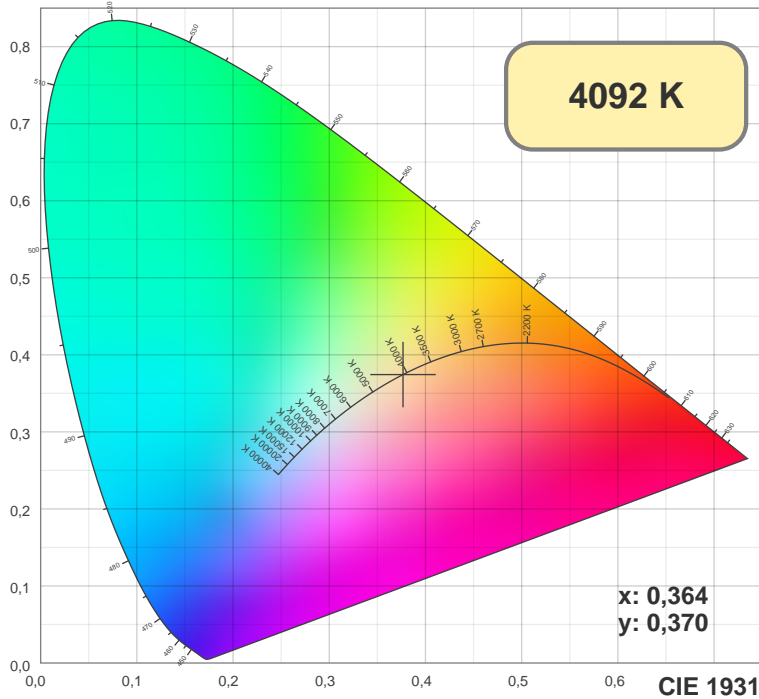
CIE1931

x: 0,364

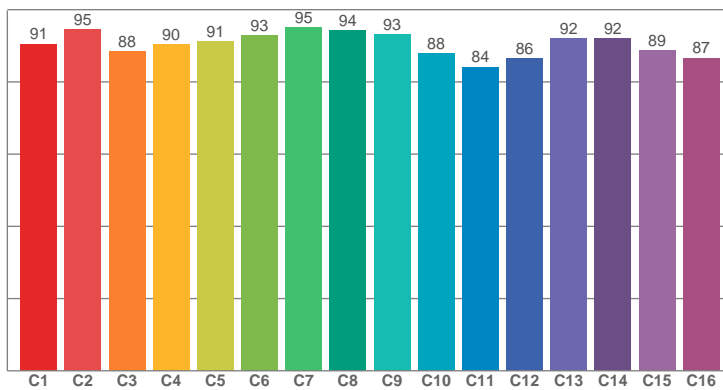
y: 0,370

Spectra

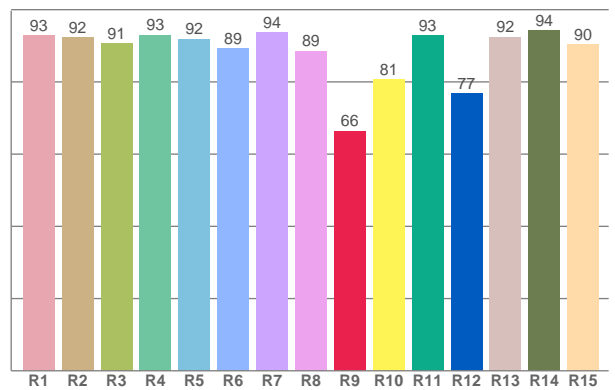




TM30: 90,5



CRI: 91,5 (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
92,90	92,32	90,56	93,01	91,93	89,34	93,71	88,56	66,46	80,70	92,93	76,82	92,47	94,30	90,30

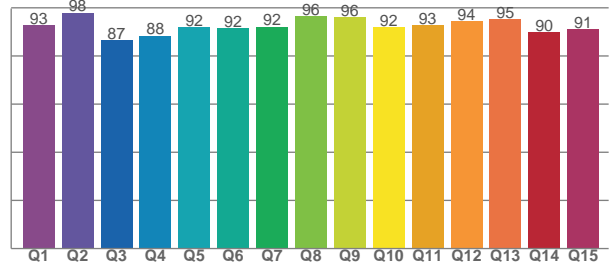
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,54	94,56	88,37	90,38	91,16	92,93	95,00	94,19	93,21	87,86	84,16	86,47	91,96	91,99	88,75	86,66

CQS Q values

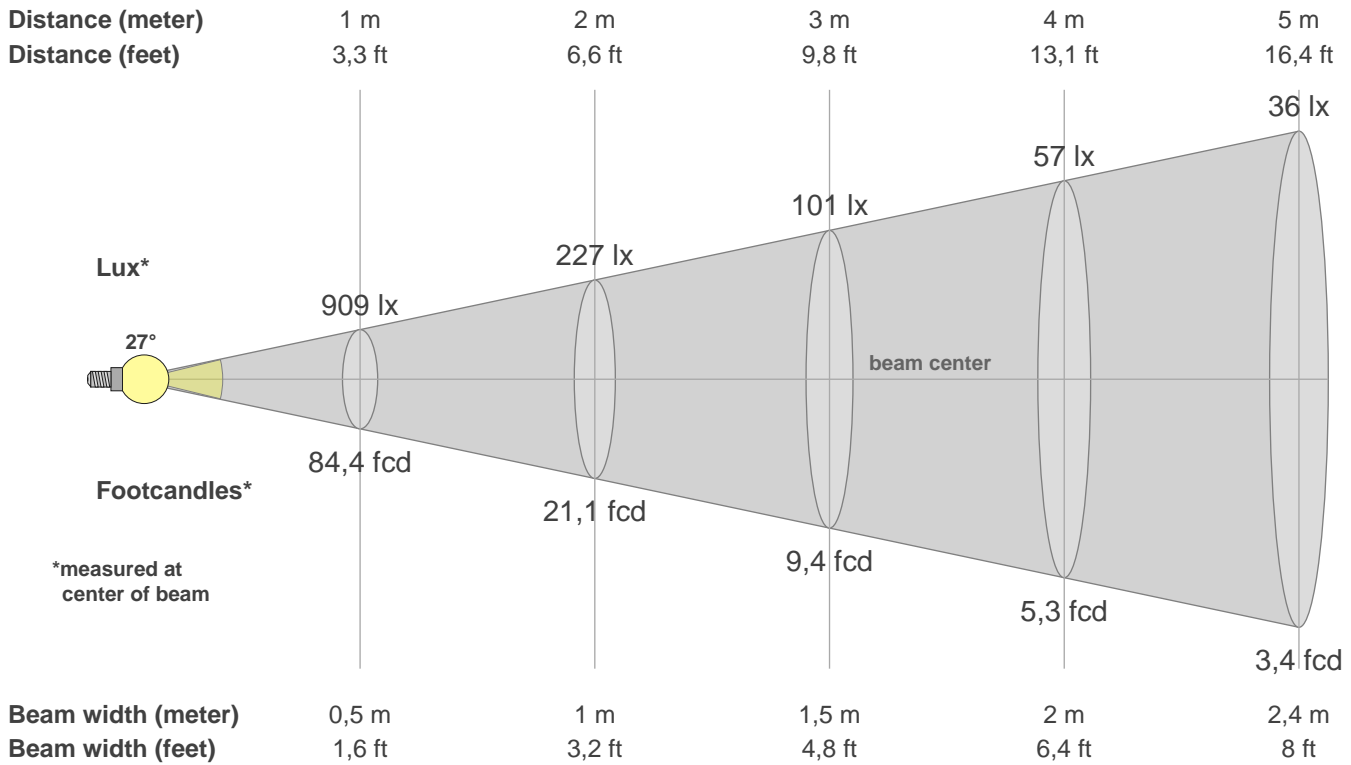
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92,76	98,00	86,71	88,44	92,08	91,69	92,18	96,45	95,98	91,85	92,90	94,37	95,23	89,98	91,01

CQS: 92,1



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
4092 K	91,5	66,5	90,5	101,0	92,1	0,4	0,4	0,2	0,3	0,0018



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°
909	858	820	778	735	700	673	638	590	529	450	367	289	217	157	108	72	50	35	24
100%	94%	90%	86%	81%	77%	74%	70%	65%	58%	49%	40%	32%	24%	17%	12%	8%	5%	4%	3%

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°
909	888	728	560	403	283	185	118	74	45	27	18	14	11	8	6	5	4	3	3
100%	98%	80%	62%	44%	31%	20%	13%	8%	5%	3%	2%	1%	1%	1%	1%	1%	0%	0%	0%

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°
909	862	843	793	744	704	666	626	580	521	449	370	293	229	177	131	95	64	47	35
100%	95%	93%	87%	82%	77%	73%	69%	64%	57%	49%	41%	32%	25%	19%	14%	10%	7%	5%	4%

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°
909	868	724	559	401	276	176	115	71	41	26	18	14	11	9	6	5	4	4	3
100%	96%	80%	61%	44%	30%	19%	13%	8%	4%	3%	2%	1%	1%	1%	1%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
27,4°	46,6°	60,2°	100,0%	99,9%