



Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 95,0

Color temperature:

3088 K

Output: 1340 lm

Peak: 683 cd

Power: 16,5 W

24,0V @ 0,688A



Product name:

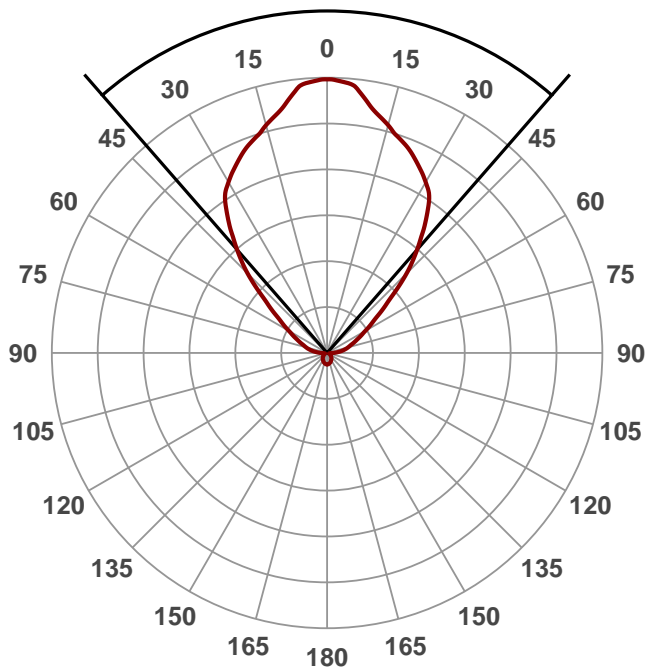
IN MP 16,5W 3000K

Date and time:

6-5-2017 15:19:41

Beam angle

82,2°



Color

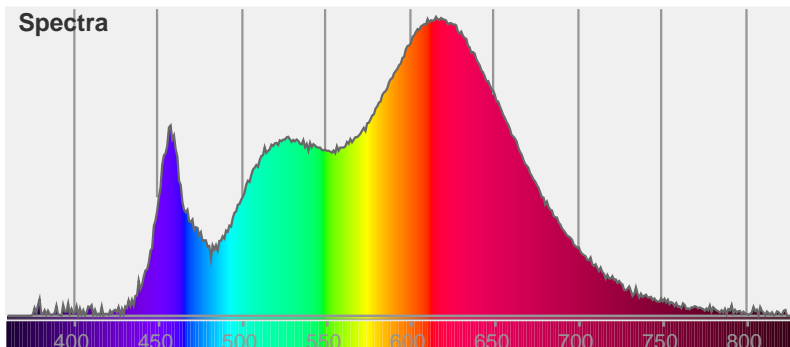


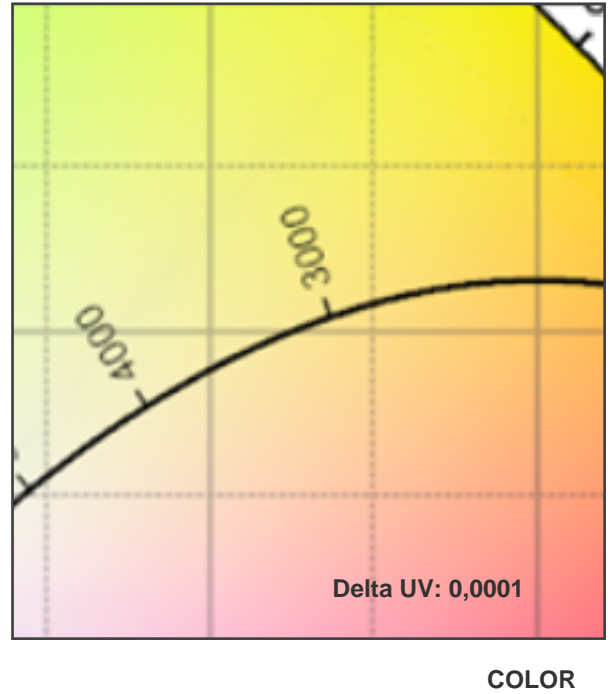
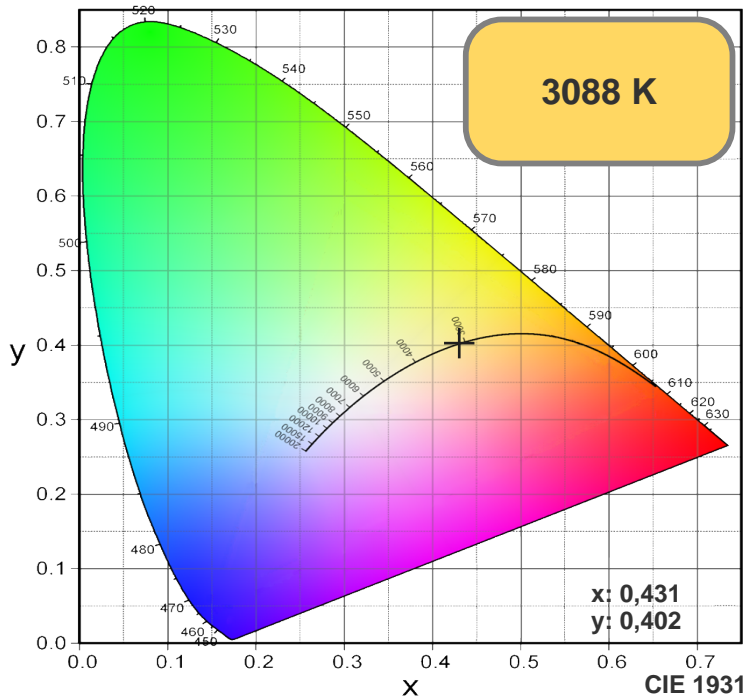
CIE1931

x: 0,431

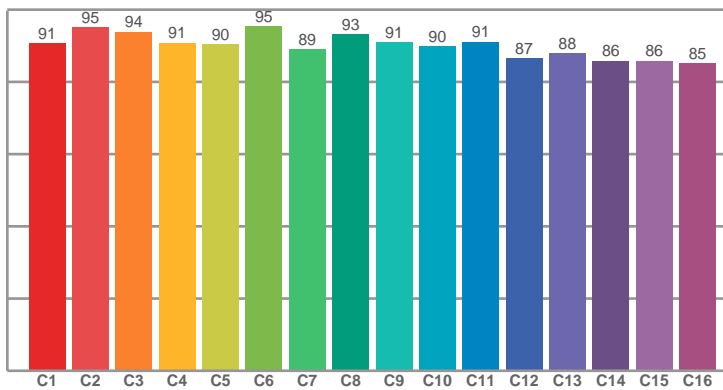
y: 0,402

Spectra

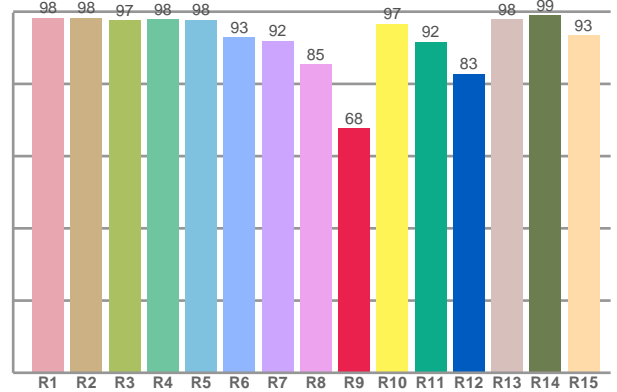




TM30: 90,5



CRI: 95,0 (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
98,30	98,28	97,49	97,86	97,74	92,79	91,92	85,38	67,73	96,58	91,62	82,75	97,76	98,87	93,38

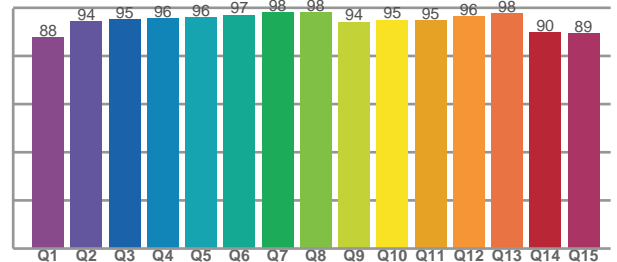
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
90,60	95,03	93,83	90,76	90,36	95,28	88,97	93,13	90,90	89,75	91,03	86,53	87,81	85,82	85,81	85,13

CQS Q values

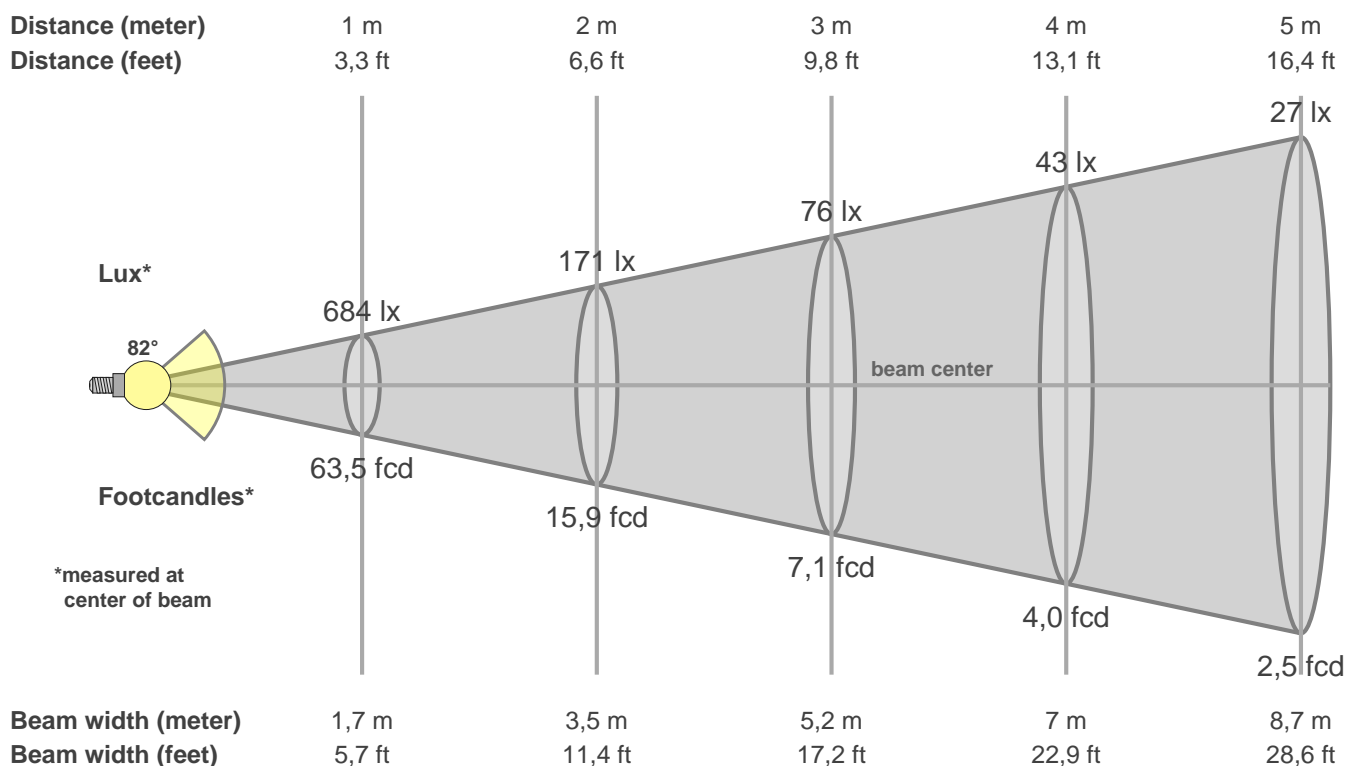
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
87,72	94,48	95,35	95,86	96,17	97,14	98,24	98,13	94,22	95,05	94,85	96,42	97,79	89,97	89,33

CQS: 93,6



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
3088 K	95,0	67,7	90,5	98,5	93,6	0,4	0,4	0,2	0,3	0,0002



Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
684	674	625	589	558	527	492	439	358	281	198	144	110	86	68	54	42	29	15	8
100%	99%	91%	86%	82%	77%	72%	64%	52%	41%	29%	21%	16%	13%	10%	8%	6%	4%	2%	1%

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684	674	625	589	558	527	492	439	358	281	198	144	110	86	68	54	42	29	15	8
100%	99%	91%	86%	82%	77%	72%	64%	52%	41%	29%	21%	16%	13%	10%	8%	6%	4%	2%	1%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
684	674	625	589	558	527	492	439	358	281	198	144	110	86	68	54	42	29	15	8
100%	99%	91%	86%	82%	77%	72%	64%	52%	41%	29%	21%	16%	13%	10%	8%	6%	4%	2%	1%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
684	674	625	589	558	527	492	439	358	281	198	144	110	86	68	54	42	29	15	8
100%	99%	91%	86%	82%	77%	72%	64%	52%	41%	29%	21%	16%	13%	10%	8%	6%	4%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
82,2°	139,6°	360,0°	81,3%	64,2%