

PROLIAD

LED LIGHTING

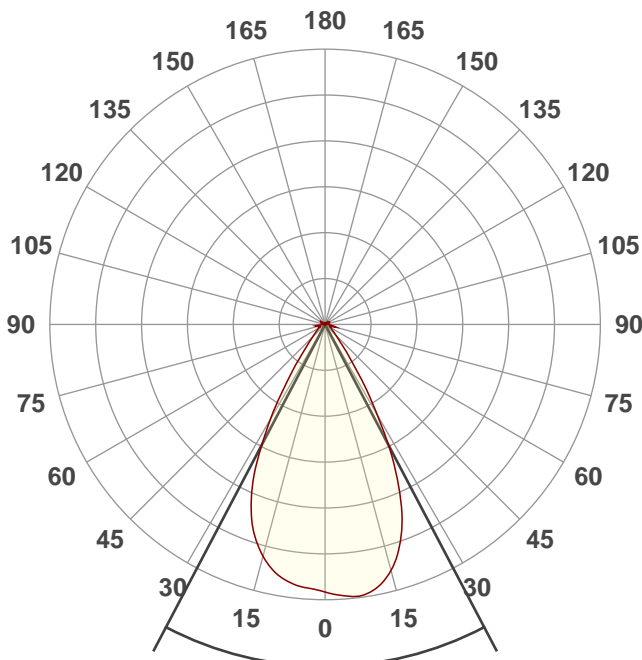
Light quality:



Color temperature:



Output: 716 lm
Peak: 734 cd
Power: 12,4 W
PF: 0,88



Beam angle

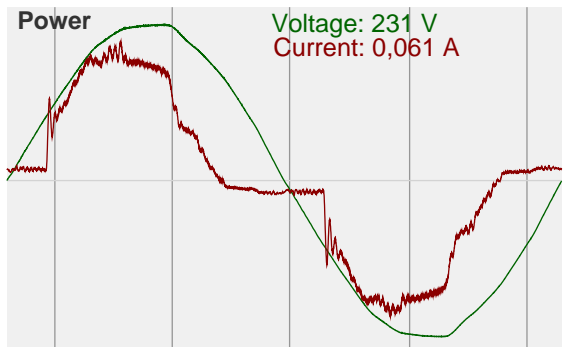
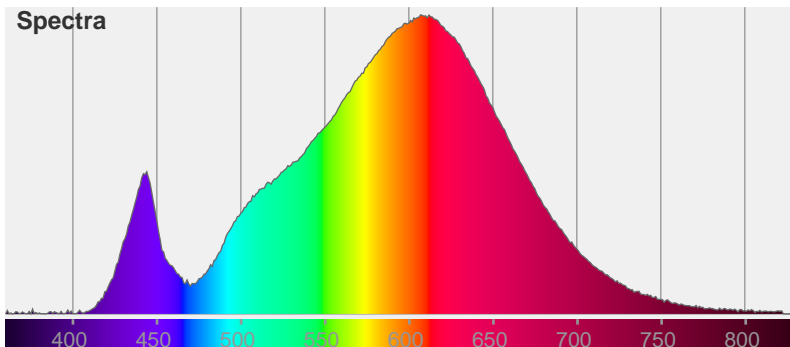
55,5°

Color



CIE1931
x: 0,447
y: 0,410

Spectra

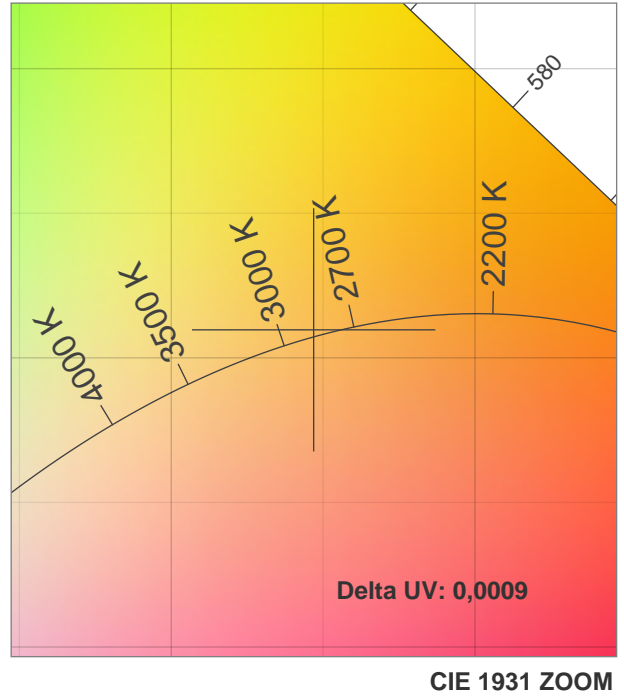
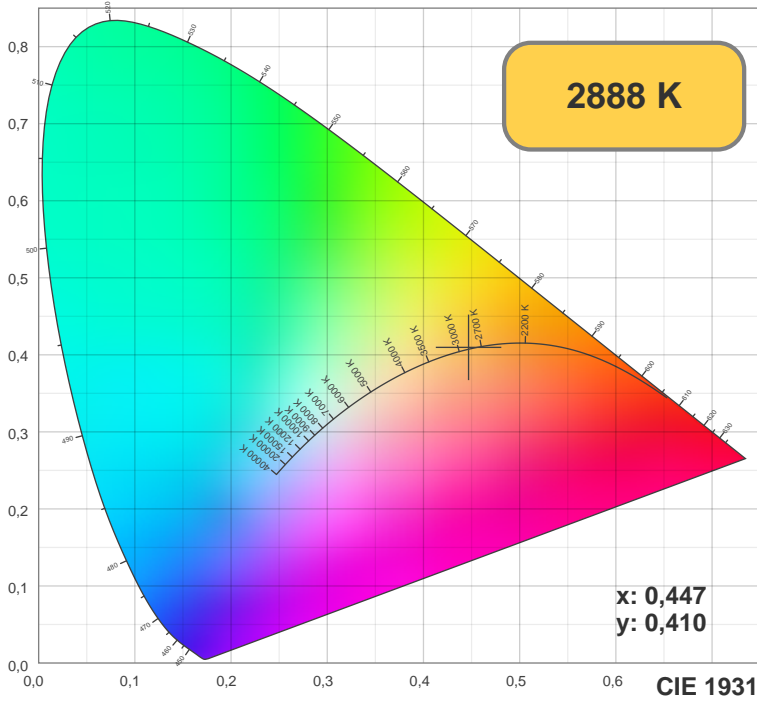


Product name:
**Spotlight 400 XTM19803007CCA
CEW60L52**

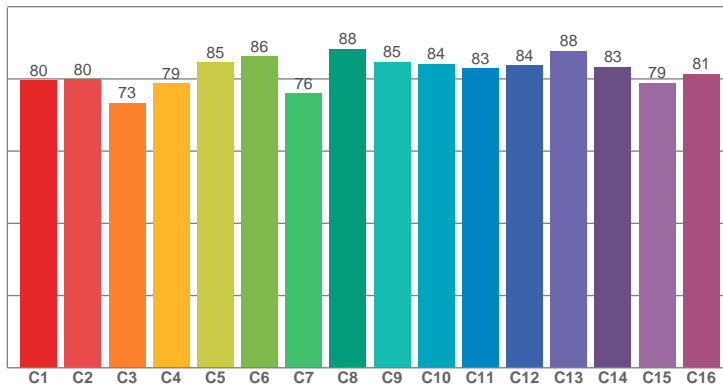
Date and time:
30-9-2020 13:19:49

Item number:
900 000xxx

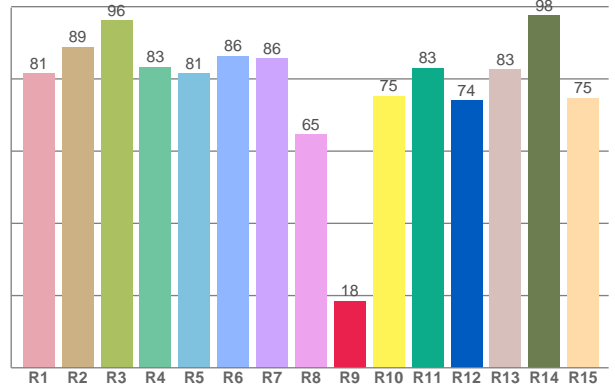
Additional information:
**-XTM19803007CCA
-50mm Optic Spot**



TM30: 81,9



CRI: 83,5 (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
81,46	88,87	96,18	83,35	81,43	86,39	85,63	64,60	18,48	75,26	83,06	74,10	82,63	97,60	74,72

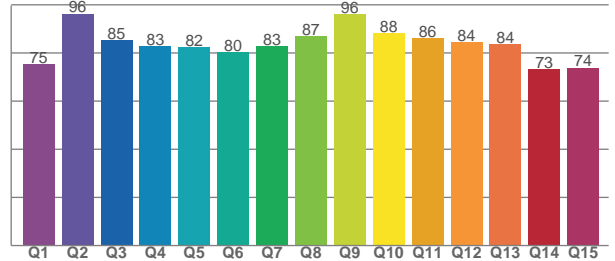
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79,51	79,79	73,36	78,74	84,66	86,29	75,95	88,33	84,69	84,15	82,84	83,65	87,75	83,29	78,85	81,36

CQS Q values

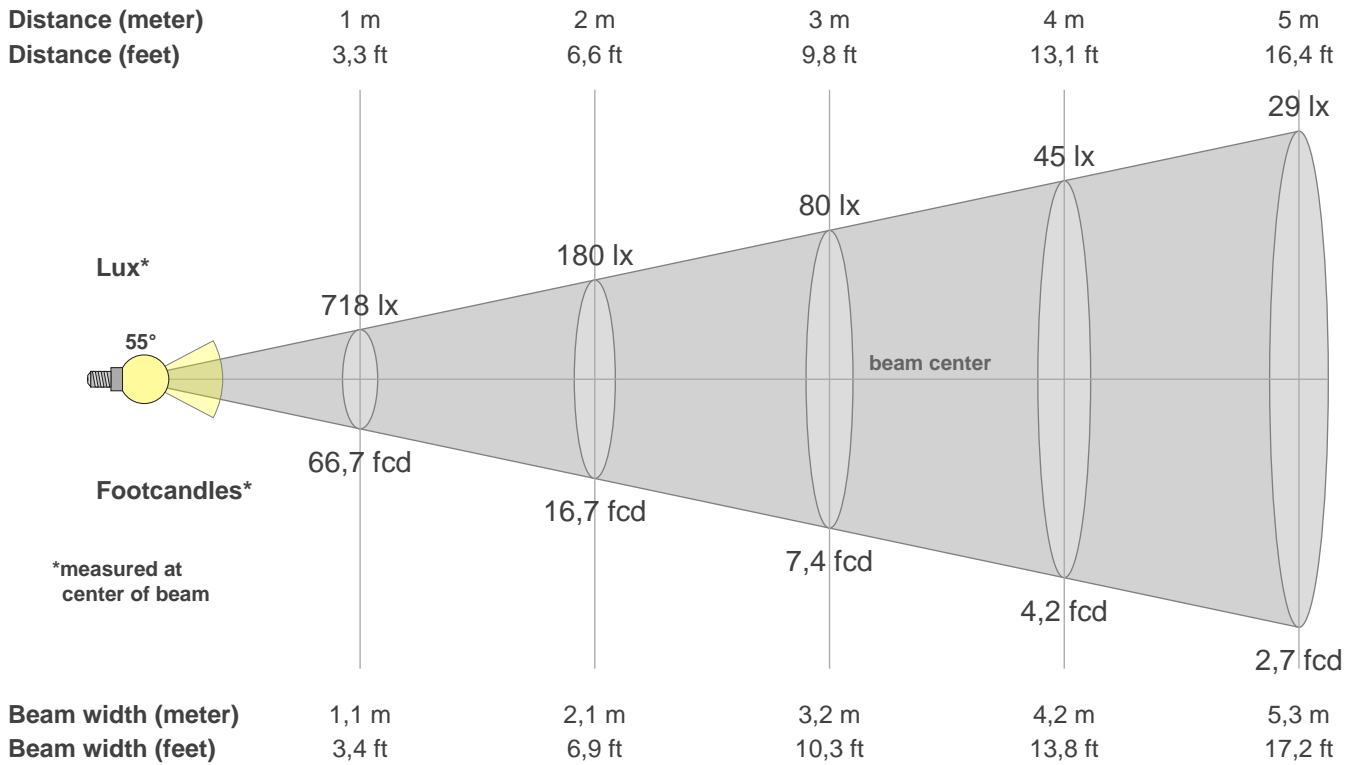
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75,25	96,37	85,19	82,97	82,44	80,42	82,74	86,98	96,06	88,22	86,26	84,39	83,72	73,37	73,93

CQS: 82,5



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2888 K	83,5	18,5	81,9	99,1	82,5	0,4	0,4	0,3	0,4	0,0010



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°
718	725	729	732	733	722	712	691	666	636	593	550	488	425	357	287	220	171	123	94
100%	101%	101%	102%	102%	101%	99%	96%	93%	89%	83%	77%	68%	59%	50%	40%	31%	24%	17%	13%

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°
718	725	729	732	733	722	712	691	666	636	593	550	488	425	357	287	220	171	123	94
100%	101%	101%	102%	102%	101%	99%	96%	93%	89%	83%	77%	68%	59%	50%	40%	31%	24%	17%	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°
718	712	708	704	696	686	673	652	632	600	569	526	477	423	358	294	236	180	138	106
100%	99%	99%	98%	97%	96%	94%	91%	88%	84%	79%	73%	66%	59%	50%	41%	33%	25%	19%	15%

Intensities in 180° c-plane

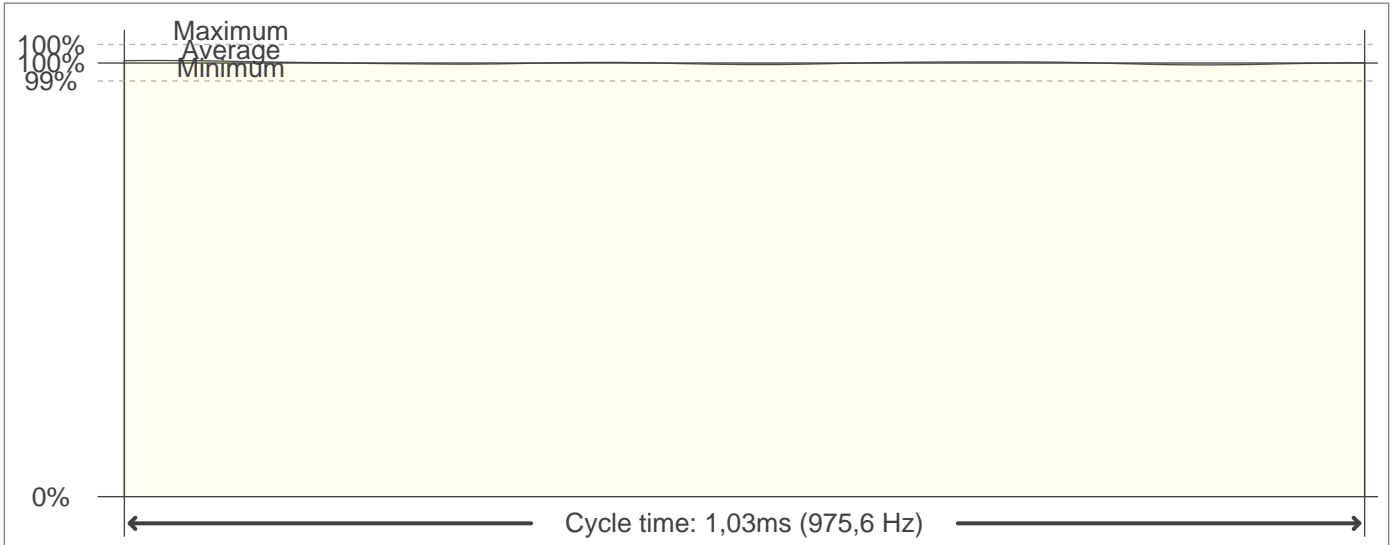
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
718	712	708	704	696	686	673	652	632	600	569	526	477	423	358	294	236	180	138	106
100%	99%	99%	98%	97%	96%	94%	91%	88%	84%	79%	73%	66%	59%	50%	41%	33%	25%	19%	15%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
55,5°	80,7°	166,5°	85,3%	80,2%

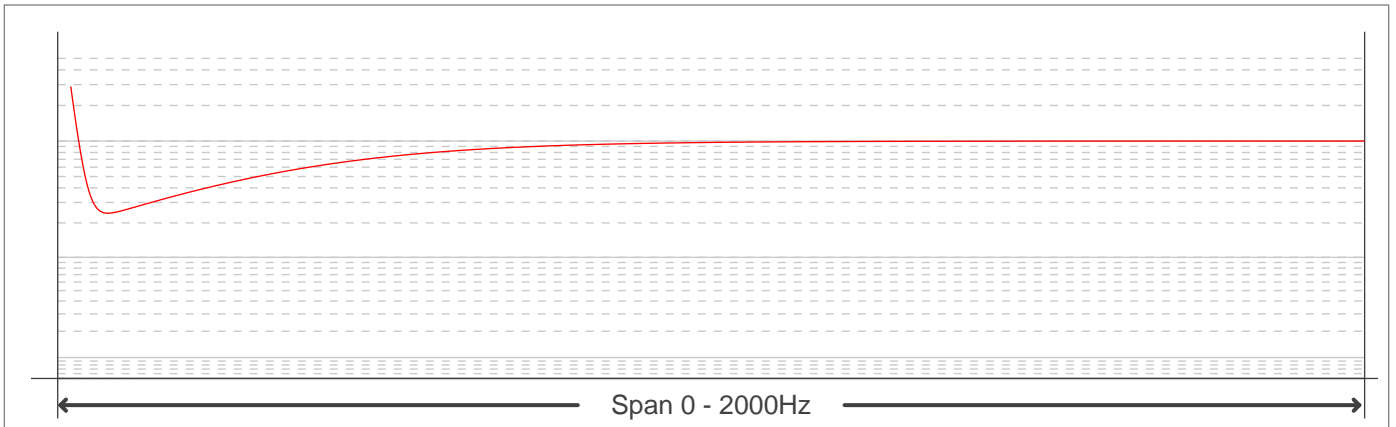
Flicker curve (Complete sampled flicker signal)



Flicker frame (frame of one period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:	975,61 Hz
Flicker index:	0
Flicker percentage:	1,2 %
SVM: (Visual flicker)	0

Flicker conditions:

Sample Rate	40000 samples/second
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