

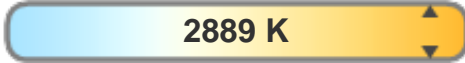
# PROLIAD

LED LIGHTING

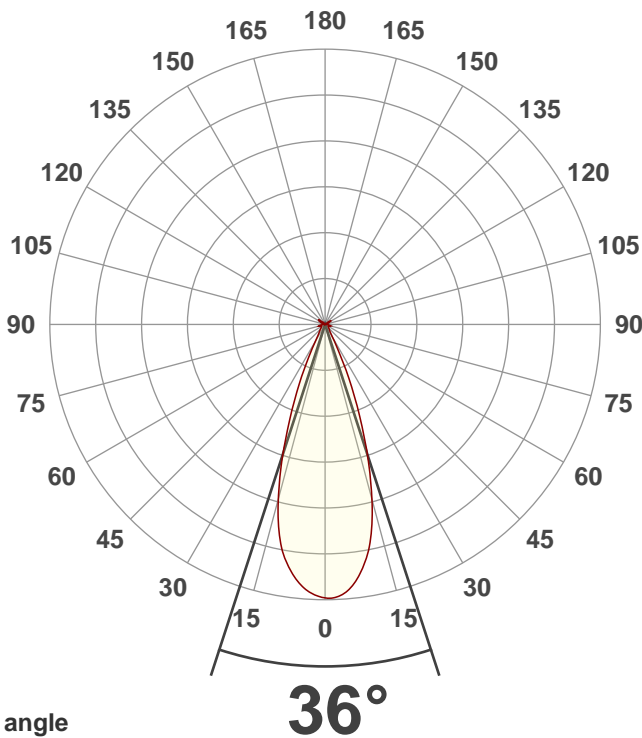
Light quality:



Color temperature:



Output: 715 lm  
Peak: 1399 cd  
Power: 12,5 W  
PF: 0,88



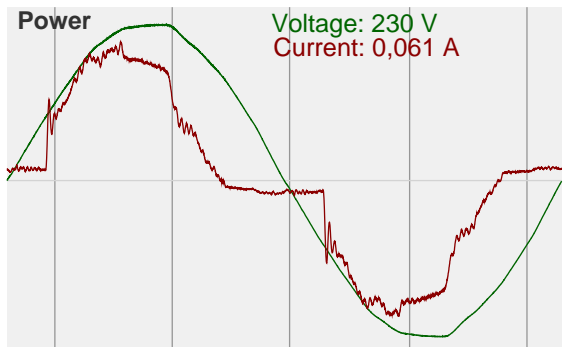
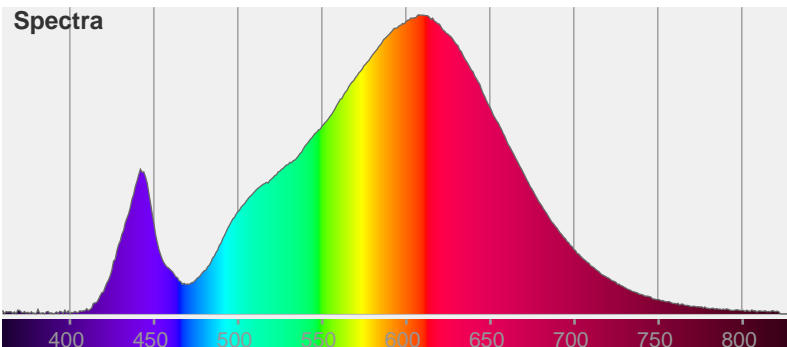
Beam angle

Color



CIE1931  
x: 0,447  
y: 0,409

Spectra

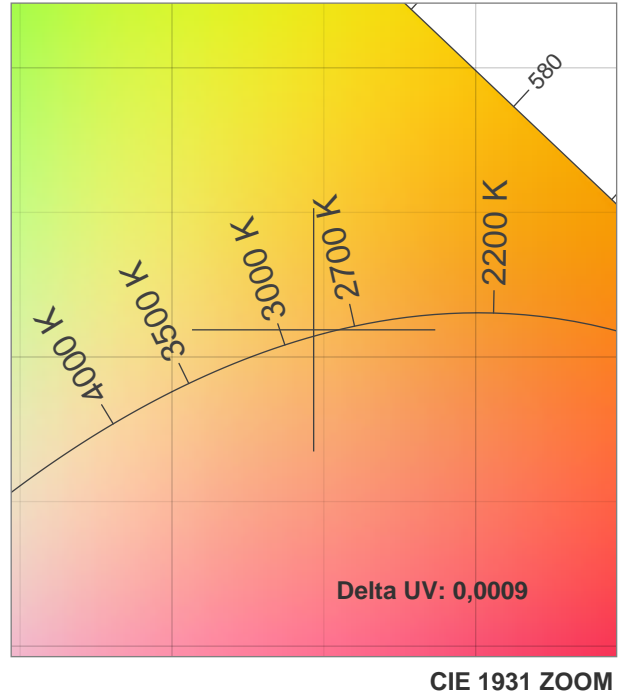
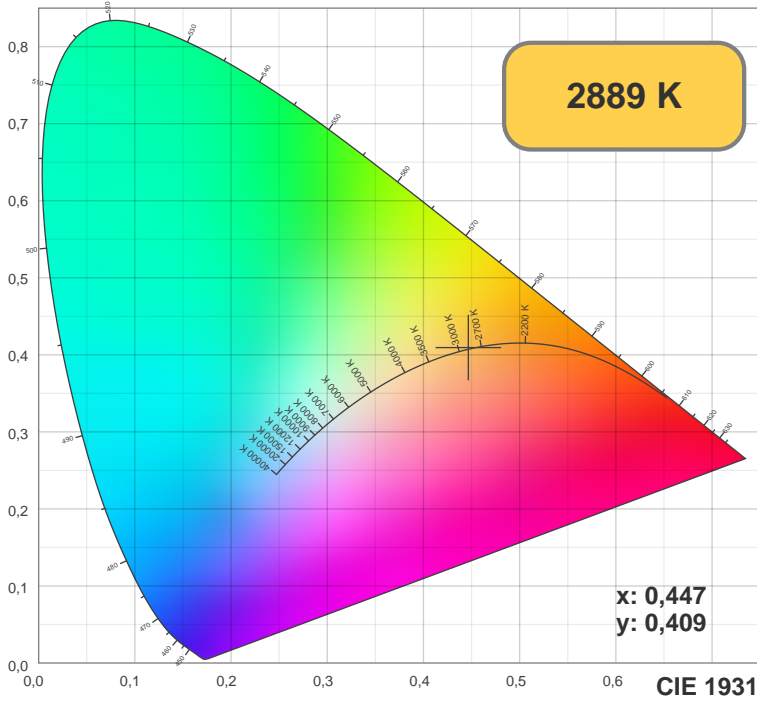


Product name:  
**Spotlight 400 XTM19803007CCA  
CEW38L52**

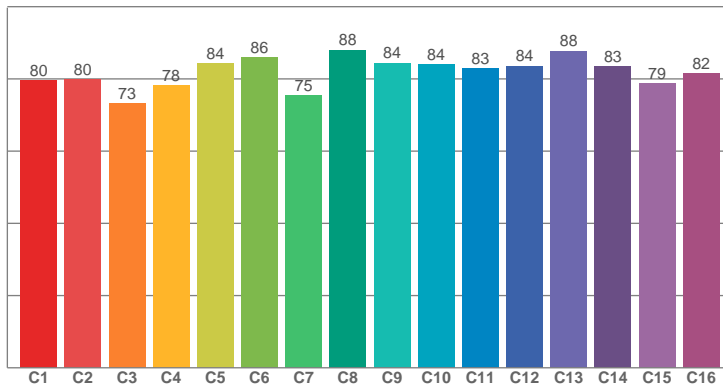
Date and time:  
**30-9-2020 13:14:27**

Item number:  
**900 000xxx**

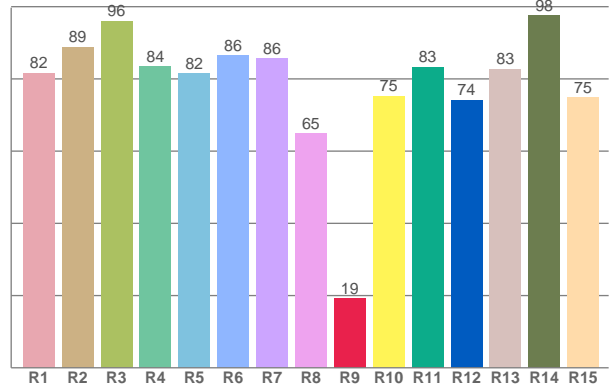
Additional information:  
**-XTM19803007CCA  
-50mm Optic Spot**



TM30: 81,8



CRI: 83,6 (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
81,63	88,89	96,07	83,54	81,60	86,44	85,70	64,92	19,18	75,32	83,35	74,21	82,76	97,53	74,93

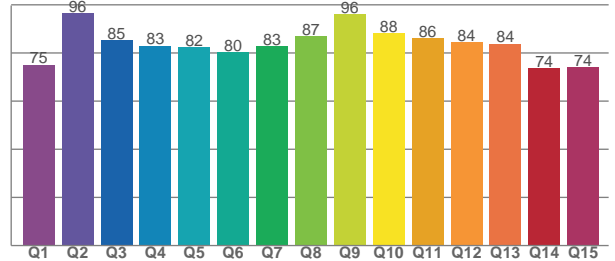
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79,59	79,87	73,30	78,27	84,27	85,96	75,43	88,06	84,41	84,02	82,90	83,59	87,75	83,50	78,74	81,53

CQS Q values

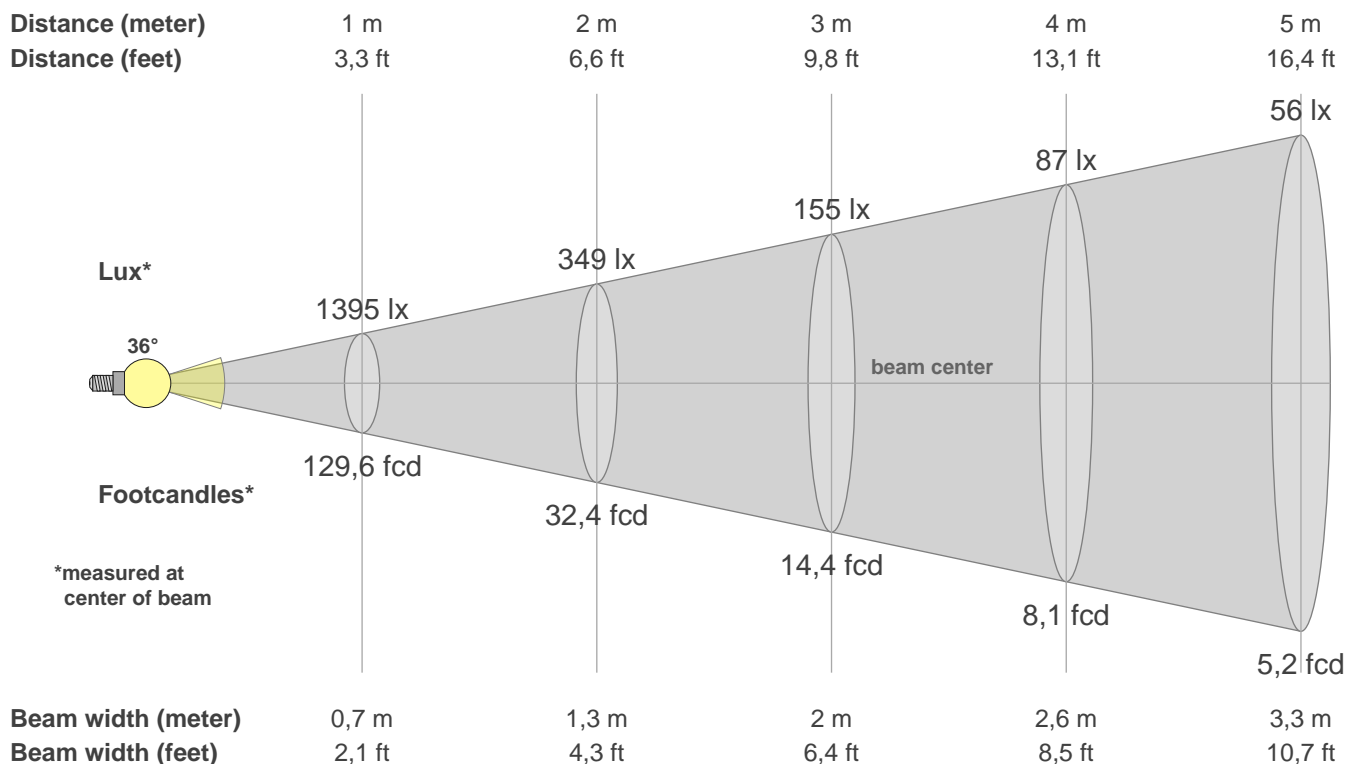
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75,12	96,42	85,28	83,05	82,38	80,26	82,72	87,01	96,09	88,16	86,26	84,45	83,83	73,57	74,01

CQS: 82,5



## Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2889 K	83,6	19,2	81,8	99,3	82,5	0,4	0,4	0,3	0,3	0,0009



### 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°
1395	1396	1376	1337	1286	1208	1114	994	850	701	550	416	293	196	123	79	60	47	41	37
100%	100%	99%	96%	92%	87%	80%	71%	61%	50%	39%	30%	21%	14%	9%	6%	4%	3%	3%	3%

### 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°
1395	1396	1376	1337	1286	1208	1114	994	850	701	550	416	293	196	123	79	60	47	41	37
100%	100%	99%	96%	92%	87%	80%	71%	61%	50%	39%	30%	21%	14%	9%	6%	4%	3%	3%	3%

### 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°
1395	1384	1360	1319	1269	1199	1108	994	849	701	549	421	307	214	149	99	76	62	53	48
100%	99%	97%	95%	91%	86%	79%	71%	61%	50%	39%	30%	22%	15%	11%	7%	5%	4%	4%	3%

### Intensities in 180° c-plane

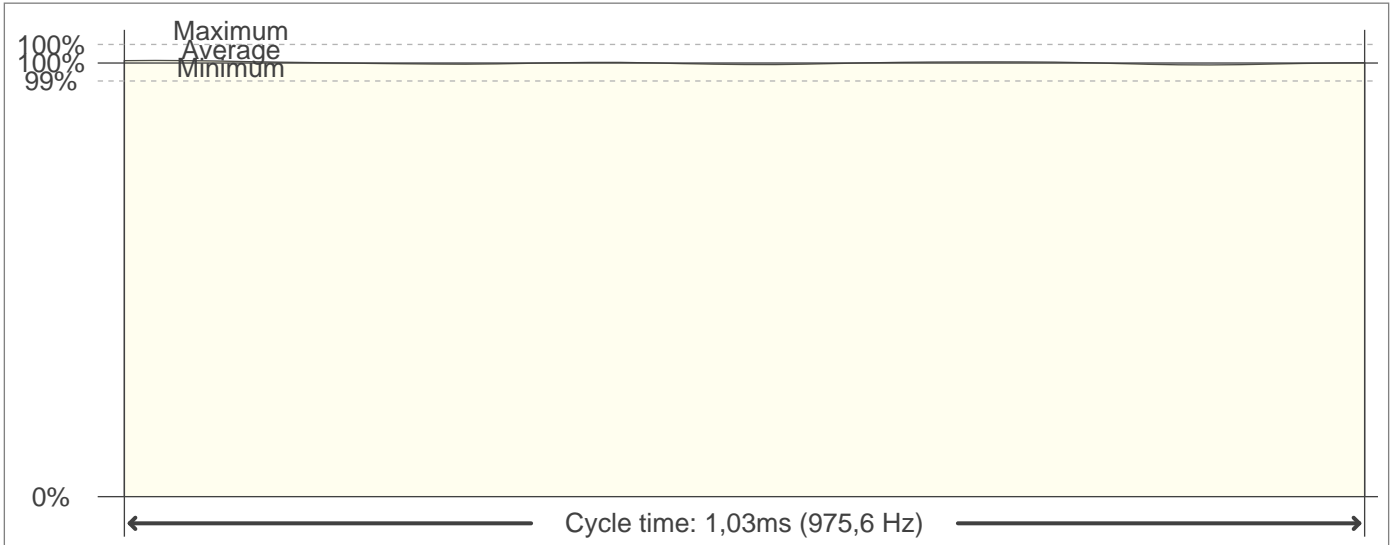
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
1395	1384	1360	1319	1269	1199	1108	994	849	701	549	421	307	214	149	99	76	62	53	48
100%	99%	97%	95%	91%	86%	79%	71%	61%	50%	39%	30%	22%	15%	11%	7%	5%	4%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36,0°	55,6°	167,8°	79,2%	75,0%

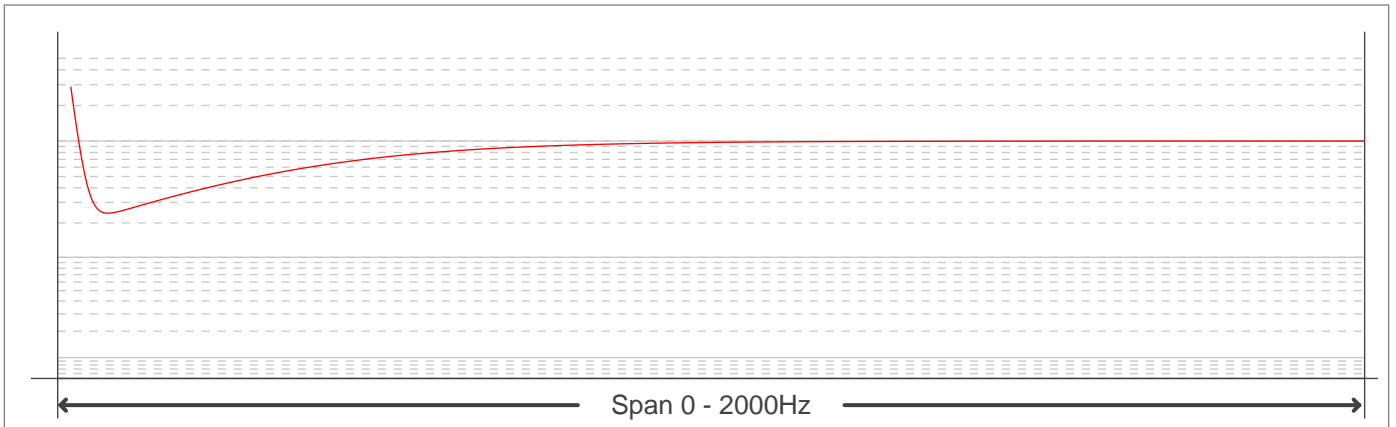
**Flicker curve (Complete sampled flicker signal)**



**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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