

PROLIAD

LED LIGHTING

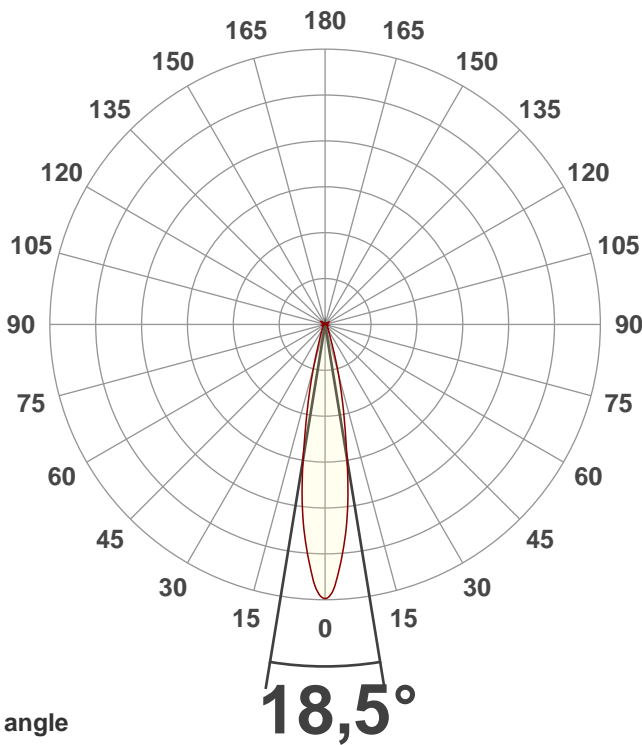
Light quality:



Color temperature:



Output: 707 lm
Peak: 3170 cd
Power: 12,6 W
PF: 0,88



Beam angle

Product name:
**Spotlight 400 XTM19803007CCA
CEW12L52**

Date and time:
30-9-2020 13:09:57

Item number:
900 000xxx

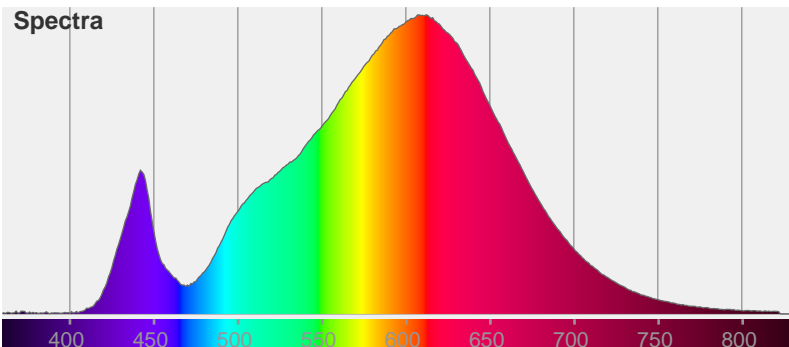
Additional information:
**-XTM19803007CCA
-50mm Optic Spot**

Color



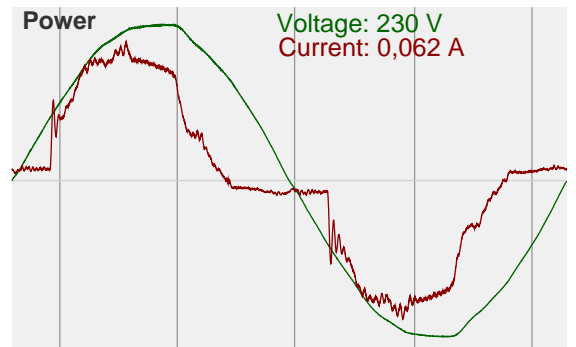
CIE1931
x: 0,448
y: 0,411

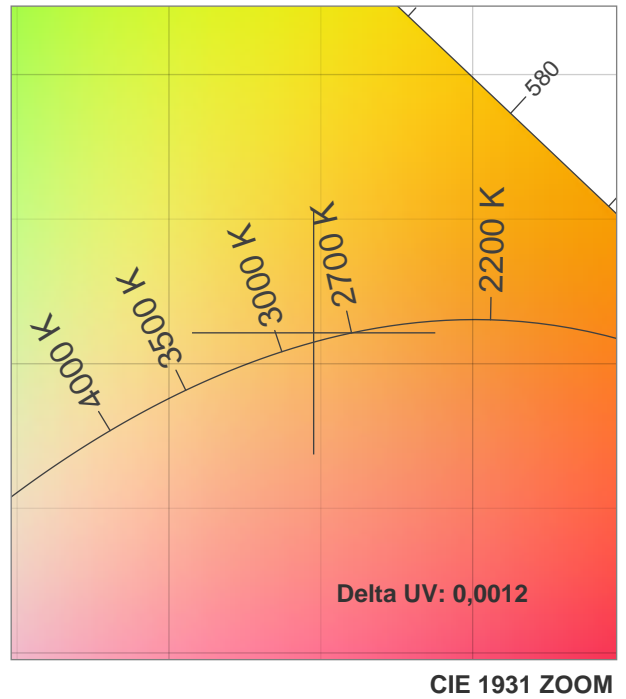
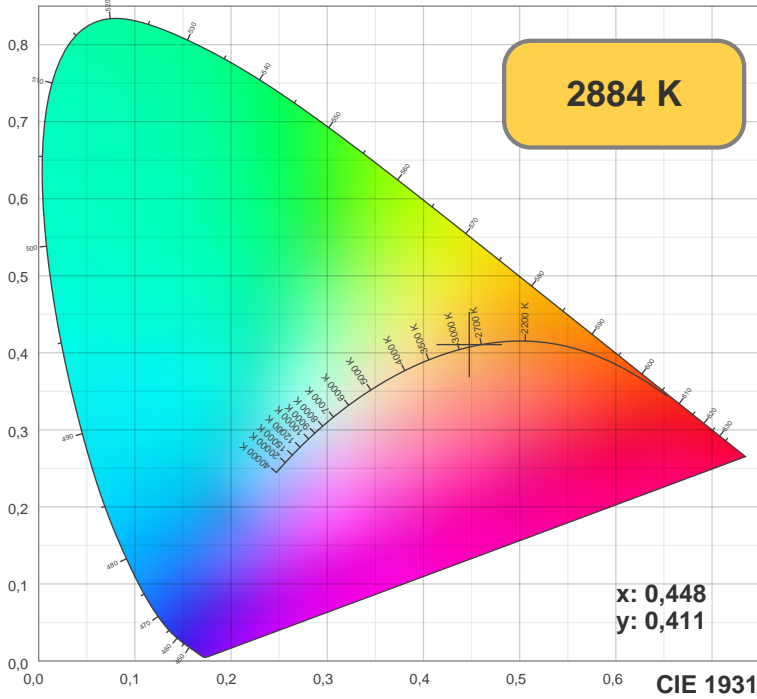
Spectra



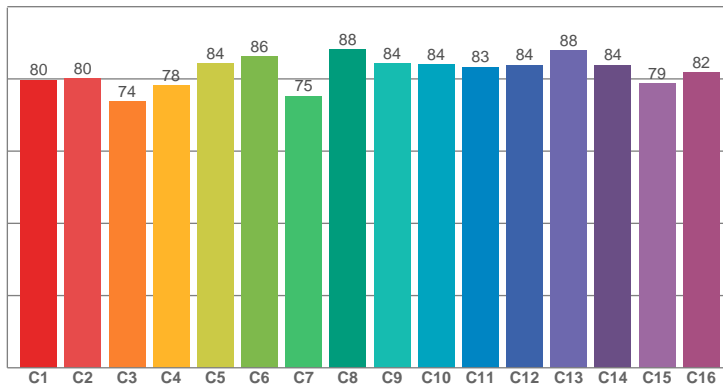
Power

Voltage: 230 V
Current: 0,062 A

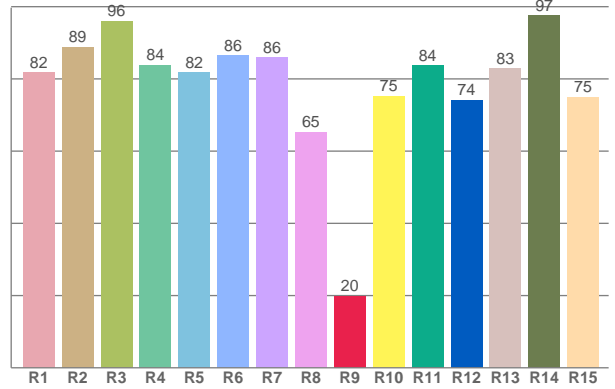




TM30: 81,9



CRI: 83,8 (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
81,77	88,86	96,04	83,87	81,75	86,46	85,96	65,31	19,91	75,31	83,79	74,17	82,83	97,48	75,03

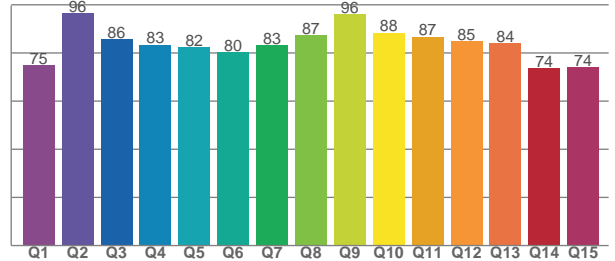
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79,70	80,16	73,85	78,26	84,29	86,16	75,27	88,16	84,21	83,96	83,35	83,89	87,92	83,85	78,75	81,73

CQS Q values

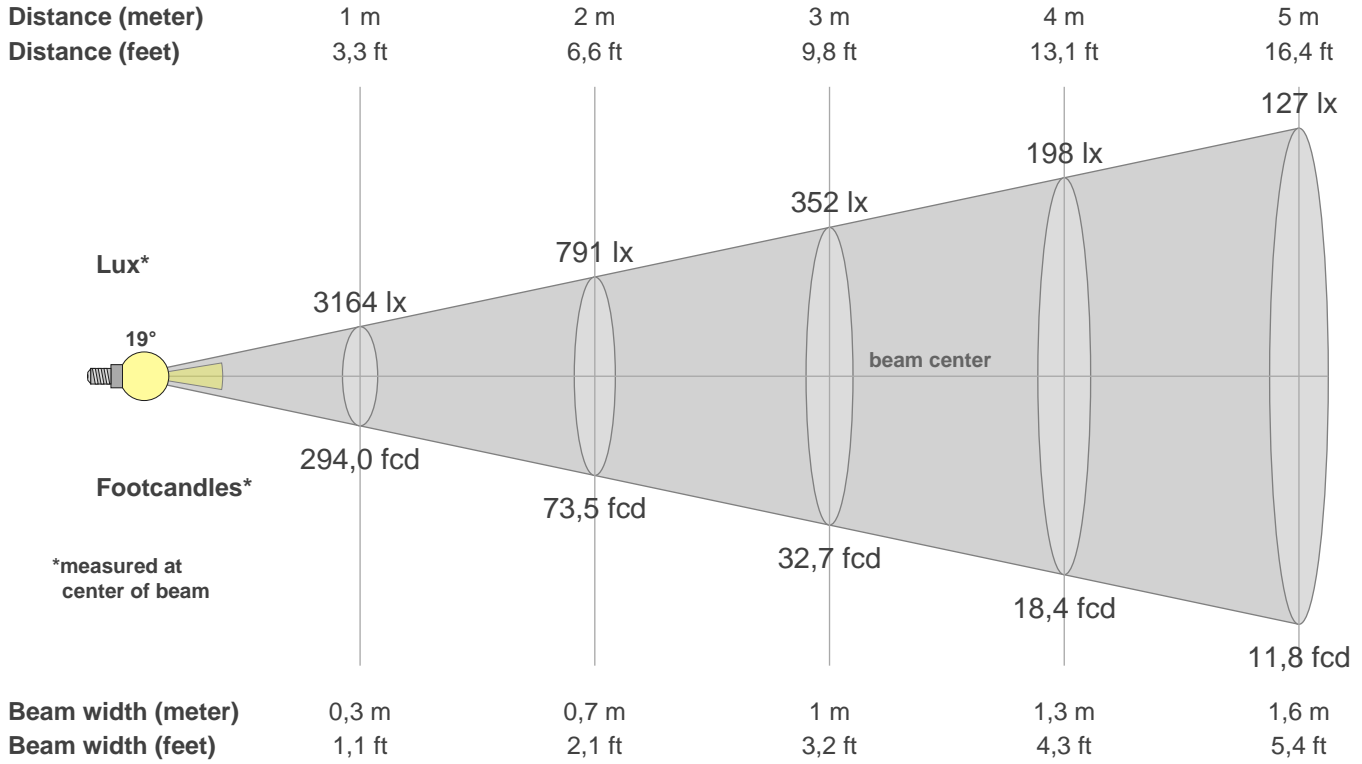
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75,09	96,40	85,90	83,42	82,42	80,35	83,18	87,49	96,13	88,46	86,75	84,89	84,17	73,71	74,13

CQS: 82,7



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2884 K	83,8	19,9	81,9	99,3	82,7	0,4	0,4	0,3	0,4	0,0012



Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3164	3131	3045	2890	2720	2542	2355	2139	1899	1651	1404	1207	1031	873	729	605	493	394	316	260
100%	99%	96%	91%	86%	80%	74%	68%	60%	52%	44%	38%	33%	28%	23%	19%	16%	12%	10%	8%

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3164	3131	3045	2890	2720	2542	2355	2139	1899	1651	1404	1207	1031	873	729	605	493	394	316	260
100%	99%	96%	91%	86%	80%	74%	68%	60%	52%	44%	38%	33%	28%	23%	19%	16%	12%	10%	8%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3164	3144	3050	2903	2732	2554	2364	2149	1913	1655	1392	1168	972	800	652	525	417	329	267	221
100%	99%	96%	92%	86%	81%	75%	68%	60%	52%	44%	37%	31%	25%	21%	17%	13%	10%	8%	7%

Intensities in 180° c-plane

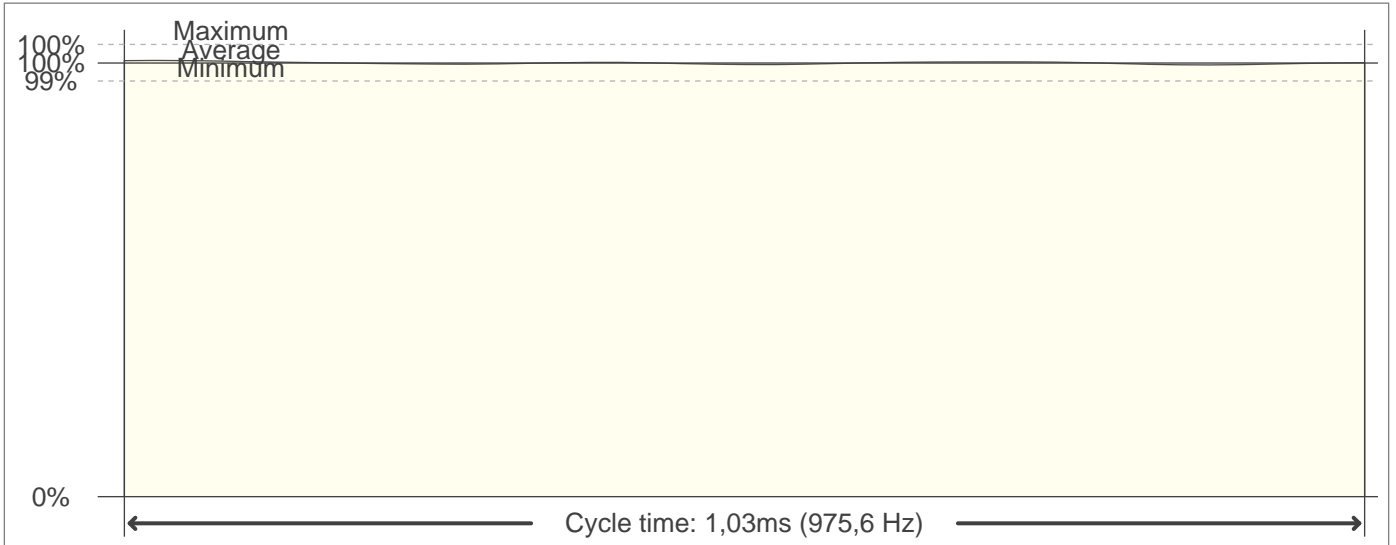
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
3164	3144	3050	2903	2732	2554	2364	2149	1913	1655	1392	1168	972	800	652	525	417	329	267	221
100%	99%	96%	92%	86%	81%	75%	68%	60%	52%	44%	37%	31%	25%	21%	17%	13%	10%	8%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18,5°	35,1°	57,2°	72,3%	66,9%

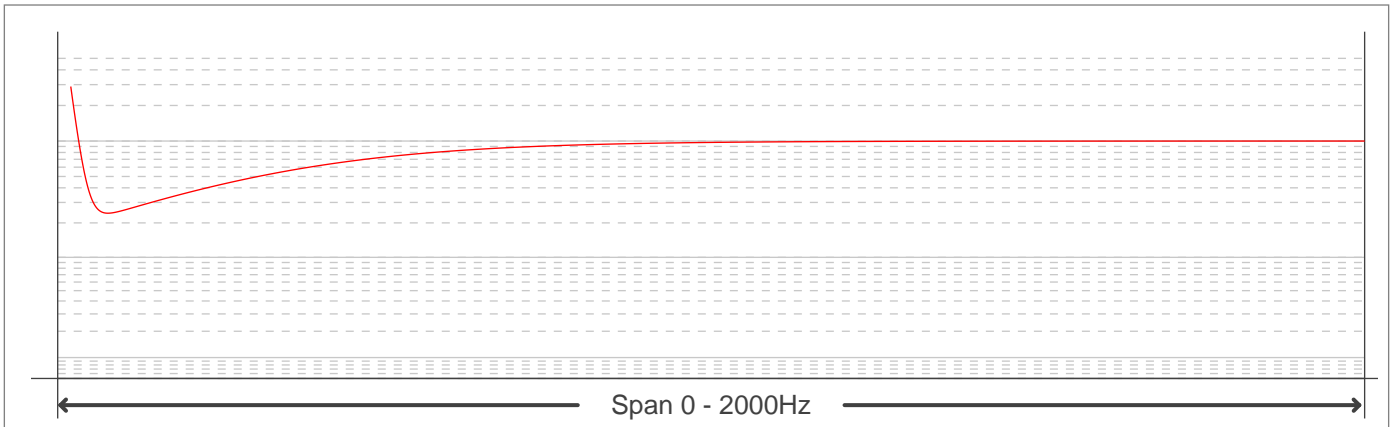
Flicker curve (Complete sampled flicker signal)



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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