

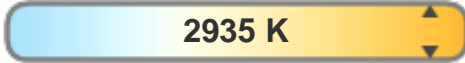
# PROLIAD

LED LIGHTING

Light quality:



Color temperature:

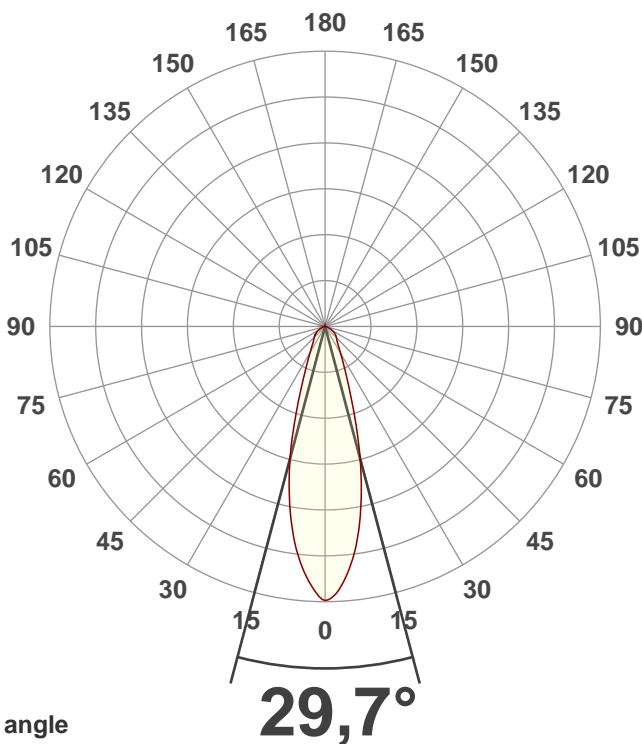


Output: 4170 lm

Peak: 9145 cd

Power: 48,1 W

PF: 0,96



Beam angle

Product name:

**Spotlight XL XTM19503050CCA  
AZW15L02**

Date and time:

**30-9-2020 12:42:43**

Item number:

**900 000xxx**

Additional information:

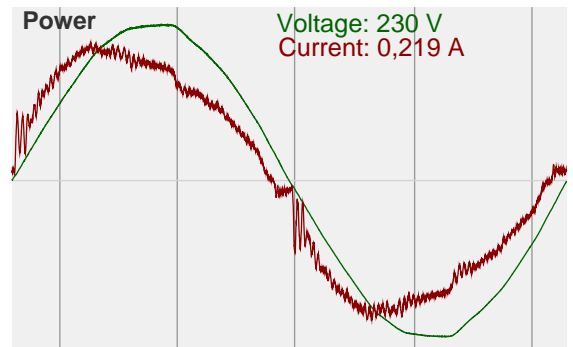
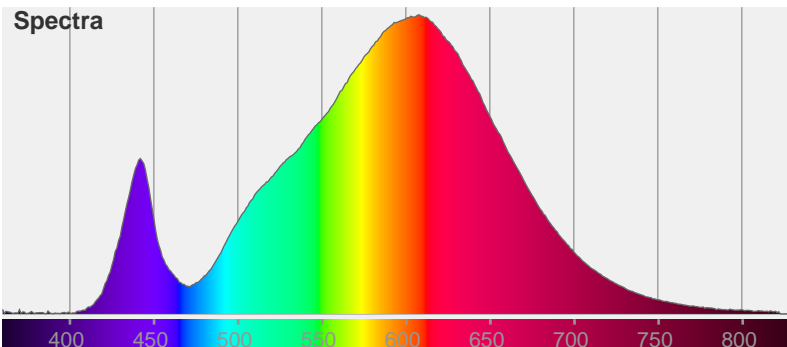
**-XTM19803050CCA  
-76mm Optic Spot**

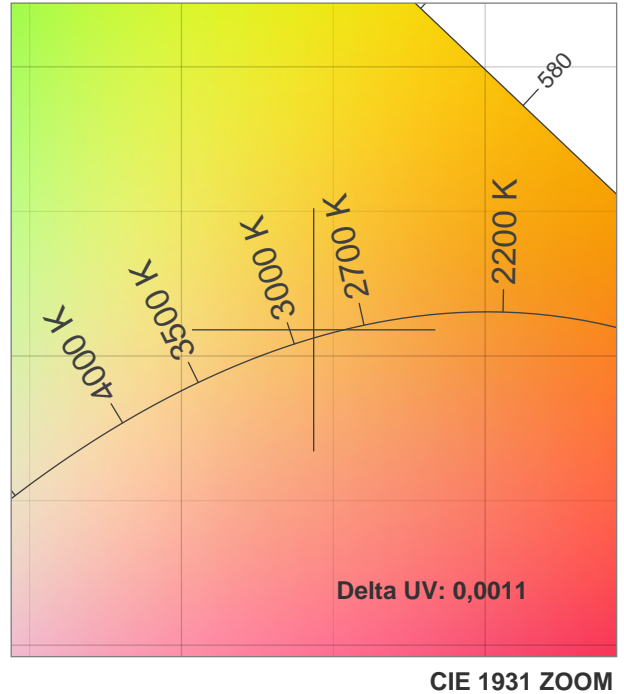
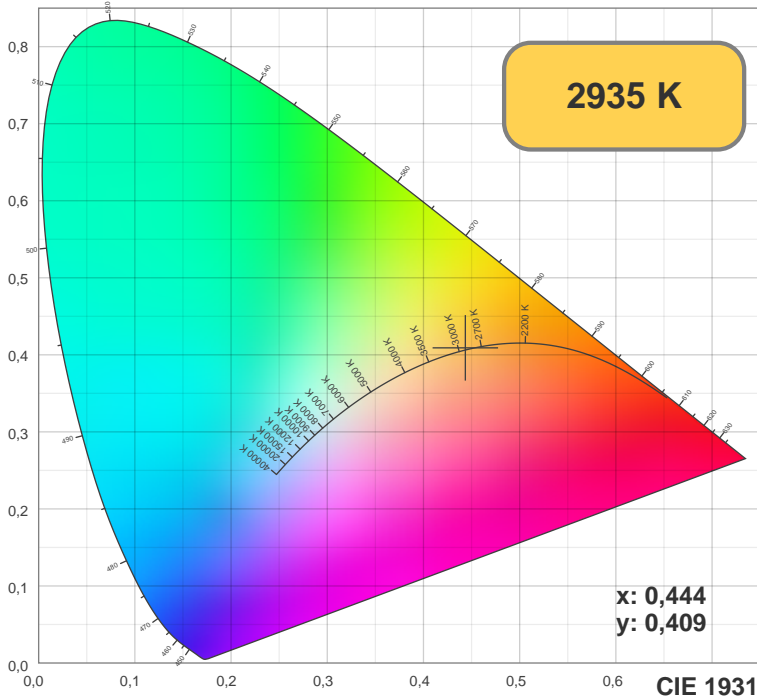
Color



CIE1931  
x: 0,444  
y: 0,409

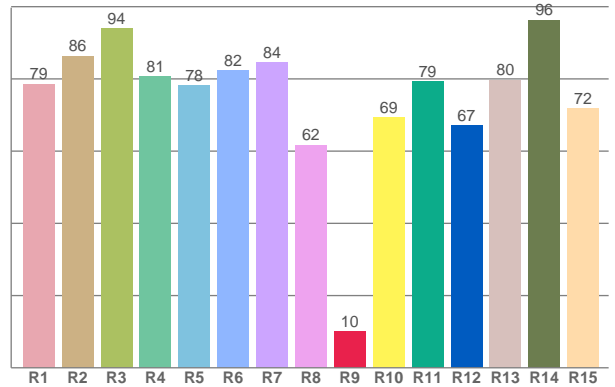
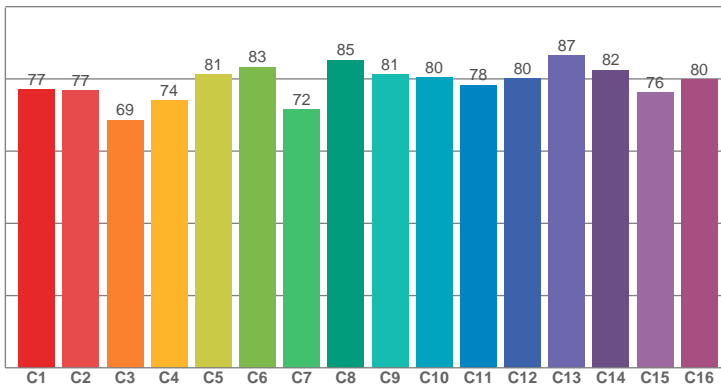
Spectra





TM30: 78,7

CRI: 80,8 (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
78,62	86,40	94,01	80,60	78,13	82,39	84,47	61,68	10,16	69,31	79,37	67,05	79,69	96,29	71,80

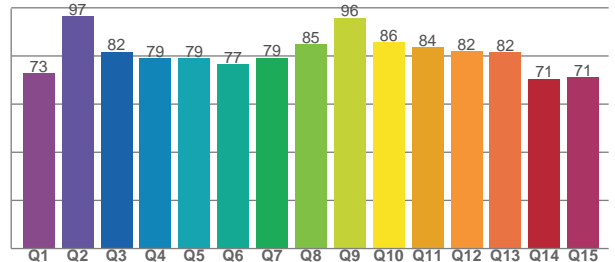
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,11	76,90	68,64	73,97	81,20	83,31	71,63	85,22	81,33	80,39	78,31	80,22	86,51	82,50	76,25	79,92

CQS Q values

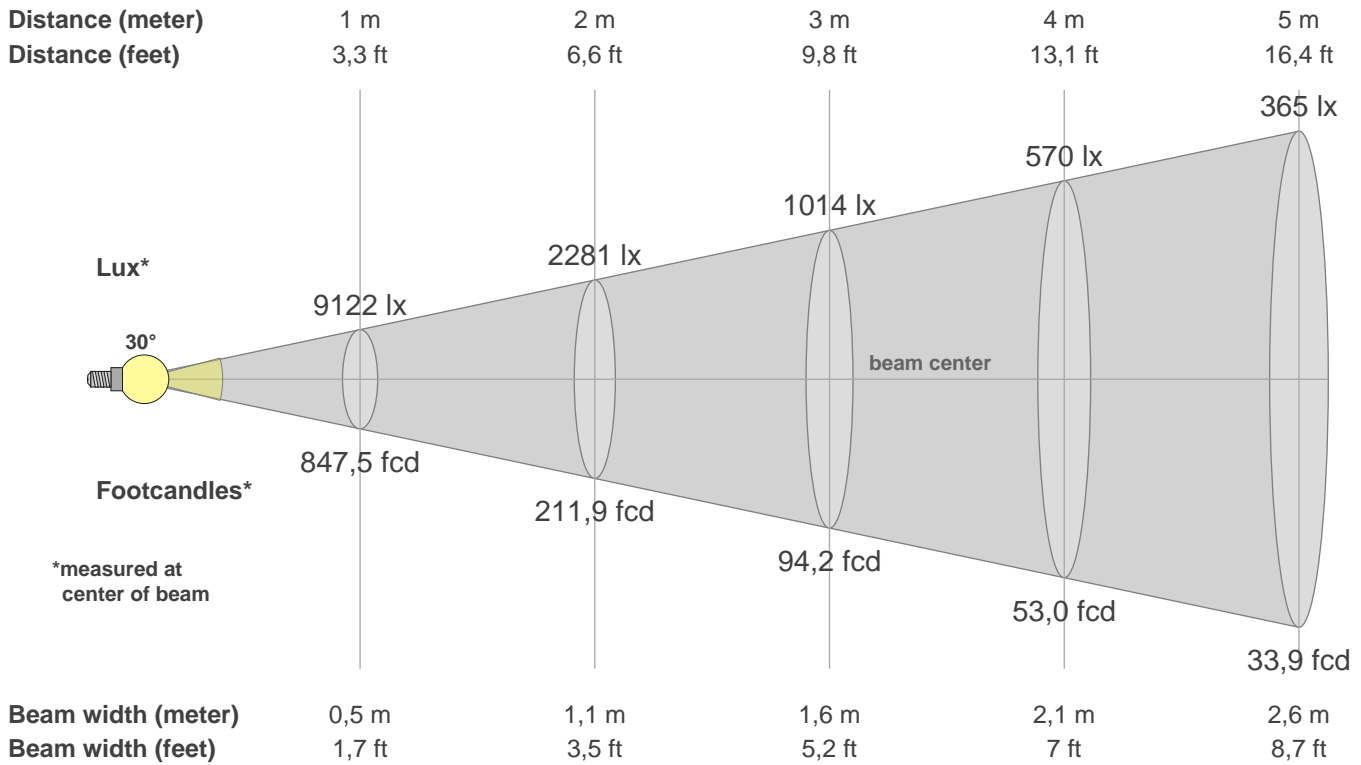
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
72,76	96,56	81,82	79,25	79,18	76,68	79,33	85,03	95,92	85,73	83,59	82,01	81,70	70,61	71,28

CQS: 79,9



### Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2935 K	80,8	10,2	78,7	99,1	79,9	0,4	0,4	0,3	0,3	0,0011



### 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°
9122	8976	8562	8031	7398	6652	5808	4940	4076	3260	2553	2076	1706	1422	1204	1038	911	811	731	666
100%	98%	94%	88%	81%	73%	64%	54%	45%	36%	28%	23%	19%	16%	13%	11%	10%	9%	8%	7%

### 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°
9122	8976	8562	8031	7398	6652	5808	4940	4076	3260	2553	2076	1706	1422	1204	1038	911	811	731	666
100%	98%	94%	88%	81%	73%	64%	54%	45%	36%	28%	23%	19%	16%	13%	11%	10%	9%	8%	7%

### 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°
9122	8858	8435	7909	7291	6547	5751	4925	4086	3241	2564	2038	1649	1363	1164	1007	881	781	701	640
100%	97%	92%	87%	80%	72%	63%	54%	45%	36%	28%	22%	18%	15%	13%	11%	10%	9%	8%	7%

### Intensities in 180° c-plane

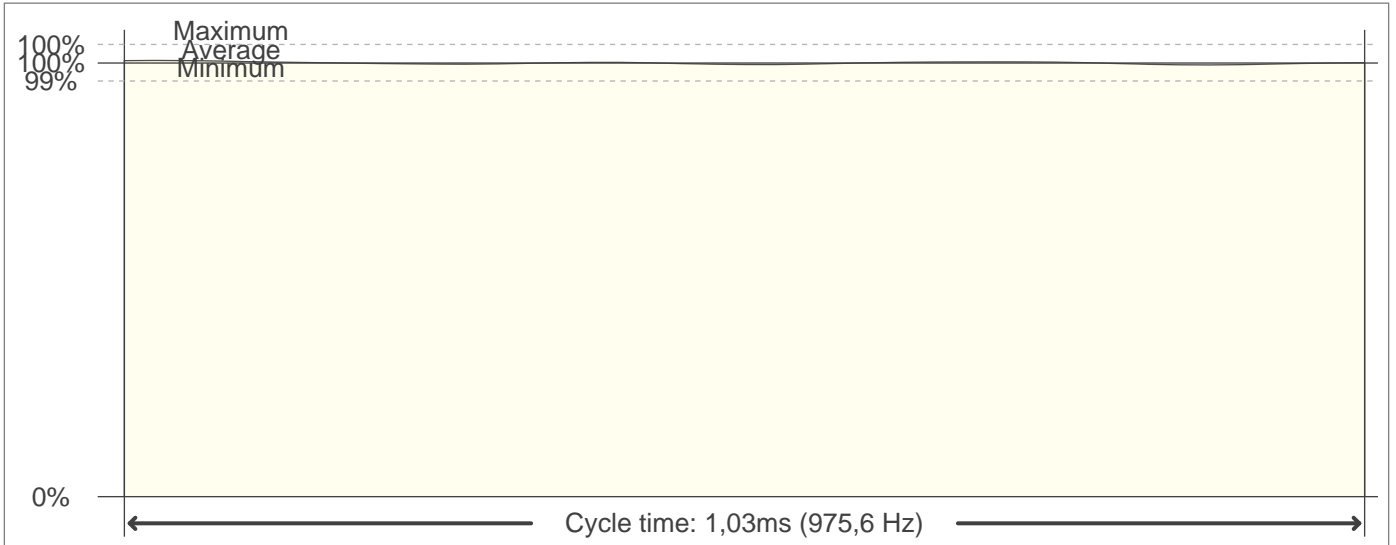
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
9122	8858	8435	7909	7291	6547	5751	4925	4086	3241	2564	2038	1649	1363	1164	1007	881	781	701	640
100%	97%	92%	87%	80%	72%	63%	54%	45%	36%	28%	22%	18%	15%	13%	11%	10%	9%	8%	7%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,7°	63,3°	126,0°	93,2%	80,6%

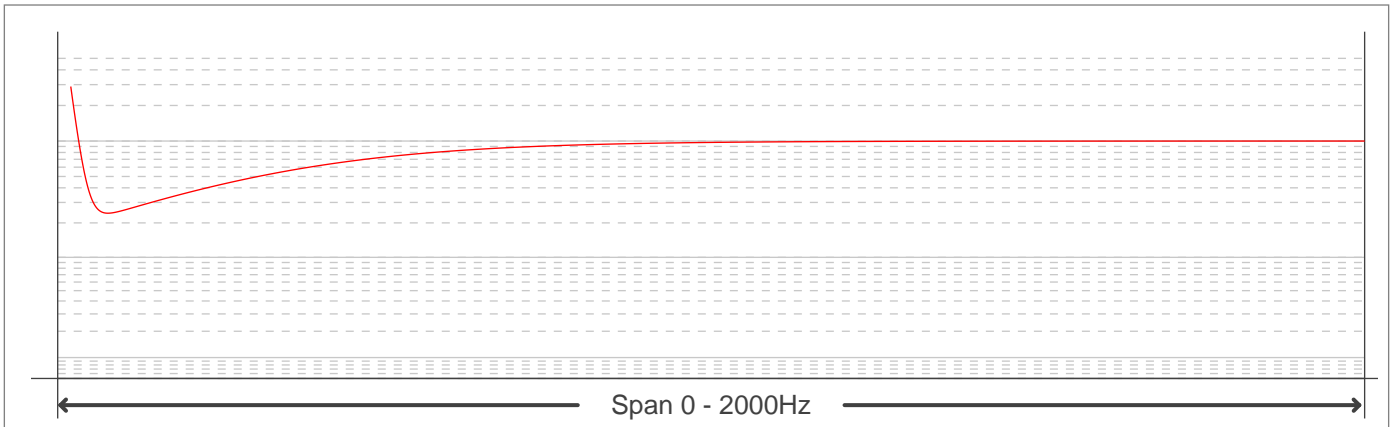
**Flicker curve (Complete sampled flicker signal)**



**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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