

PROLIAD

LED LIGHTING

Light quality:



Color temperature:

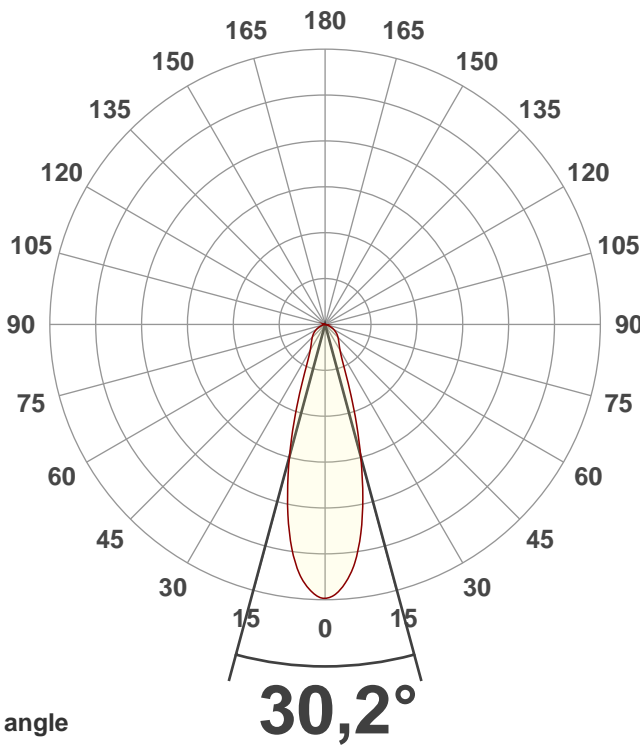


Output: 4200 lm

Peak: 8692 cd

Power: 48,0 W

PF: 0,96



Beam angle

Product name:

**Spotlight XL XTM19503050CCA
AZW24L02**

Date and time:

30-9-2020 12:45:22

Item number:

900 000xxx

Additional information:

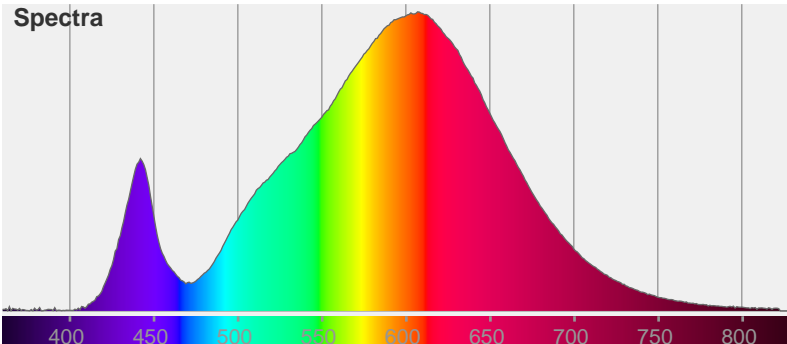
**-XTM19803050CCA
-76mm Optic Spot**

Color



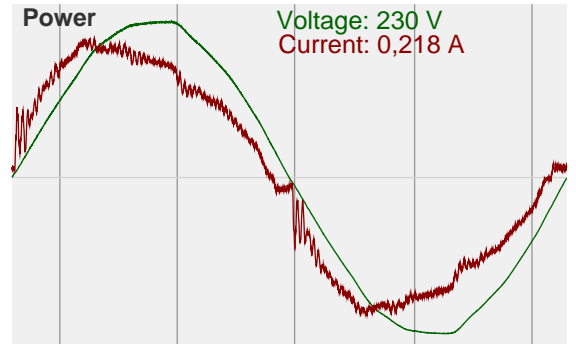
CIE1931
x: 0,445
y: 0,410

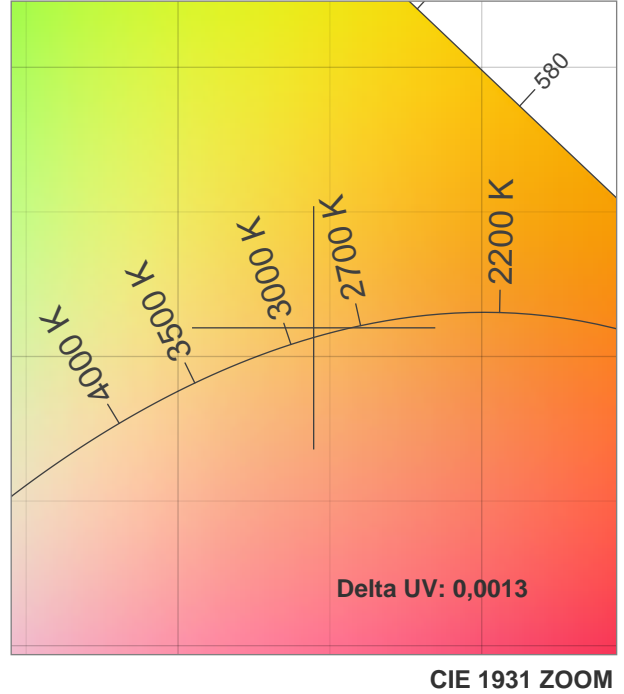
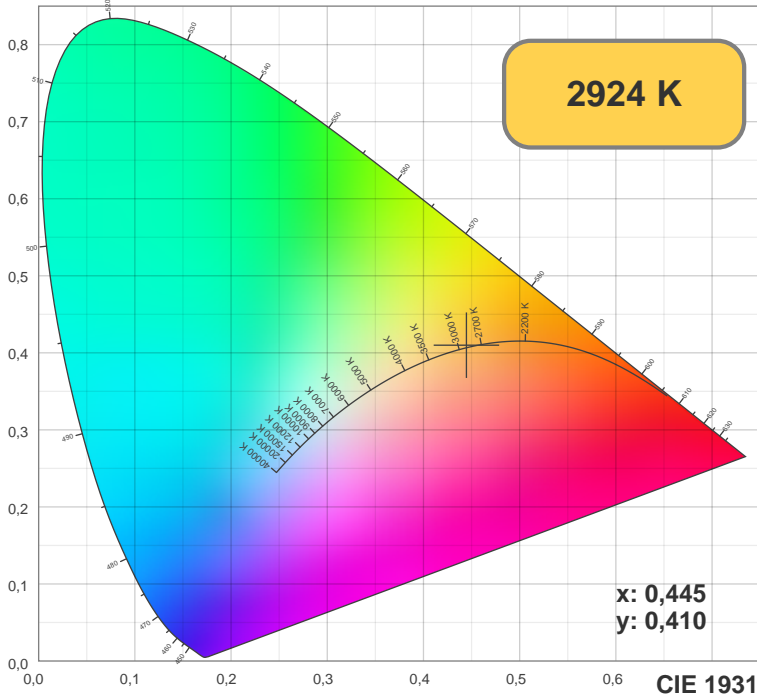
Spectra



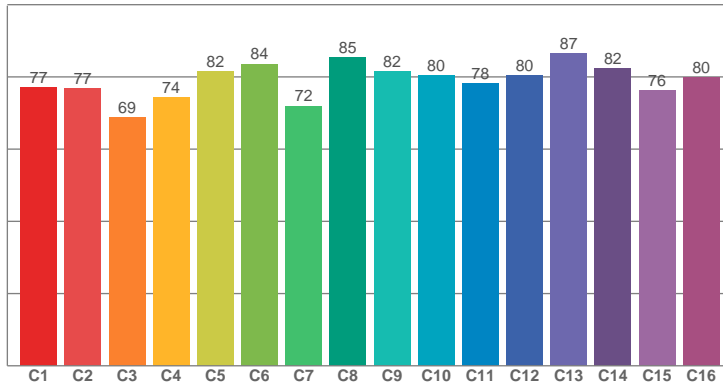
Power

Voltage: 230 V
Current: 0,218 A

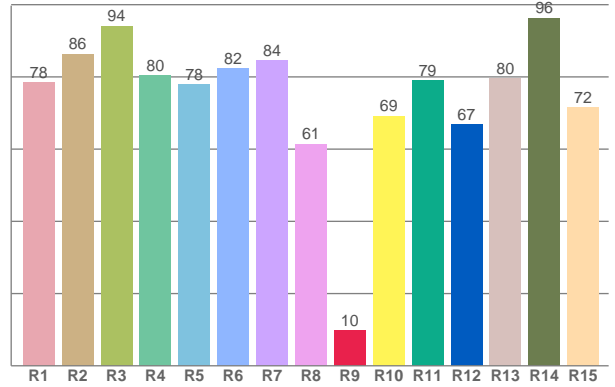




TM30: 78,8



CRI: 80,7 (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
78,46	86,35	94,08	80,45	77,95	82,30	84,48	61,47	9,73	69,20	79,12	66,78	79,56	96,34	71,62

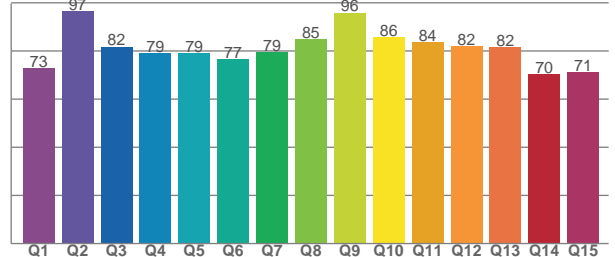
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,05	76,88	68,78	74,39	81,54	83,62	71,99	85,40	81,50	80,43	78,27	80,33	86,55	82,35	76,31	79,83

CQS Q values

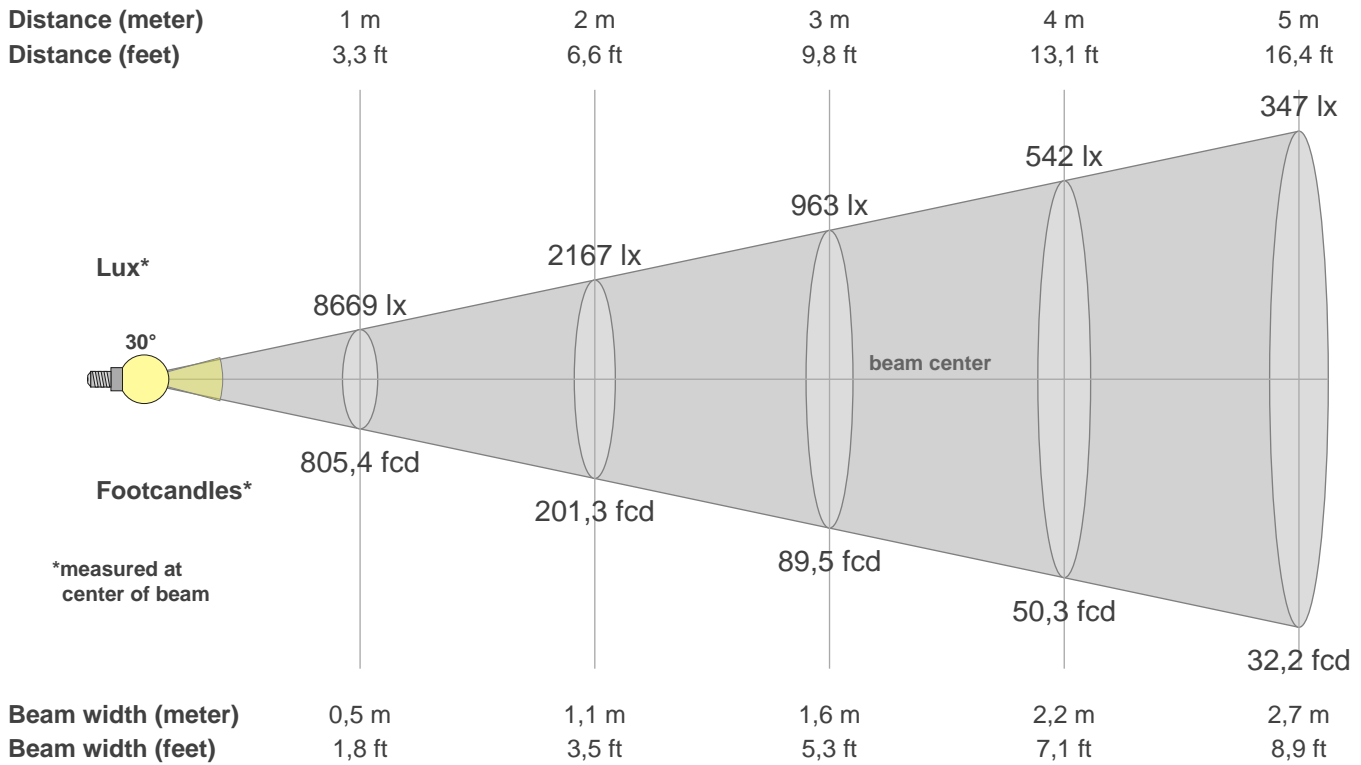
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
72,83	96,52	81,82	79,20	79,16	76,73	79,37	85,04	95,89	85,83	83,69	82,06	81,67	70,47	71,23

CQS: 79,9



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2924 K	80,7	9,7	78,8	98,9	79,9	0,4	0,4	0,3	0,3	0,0013



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°
8669	8592	8304	7886	7322	6609	5755	4849	3968	3146	2420	1886	1503	1238	1065	957	874	809	755	709
100%	99%	96%	91%	84%	76%	66%	56%	46%	36%	28%	22%	17%	14%	12%	11%	10%	9%	9%	8%

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°
8669	8592	8304	7886	7322	6609	5755	4849	3968	3146	2420	1886	1503	1238	1065	957	874	809	755	709
100%	99%	96%	91%	84%	76%	66%	56%	46%	36%	28%	22%	17%	14%	12%	11%	10%	9%	9%	8%

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°
8669	8569	8314	7930	7330	6580	5737	4838	3953	3145	2444	1878	1479	1237	1068	948	862	799	747	702
100%	99%	96%	91%	85%	76%	66%	56%	46%	36%	28%	22%	17%	14%	12%	11%	10%	9%	9%	8%

Intensities in 180° c-plane

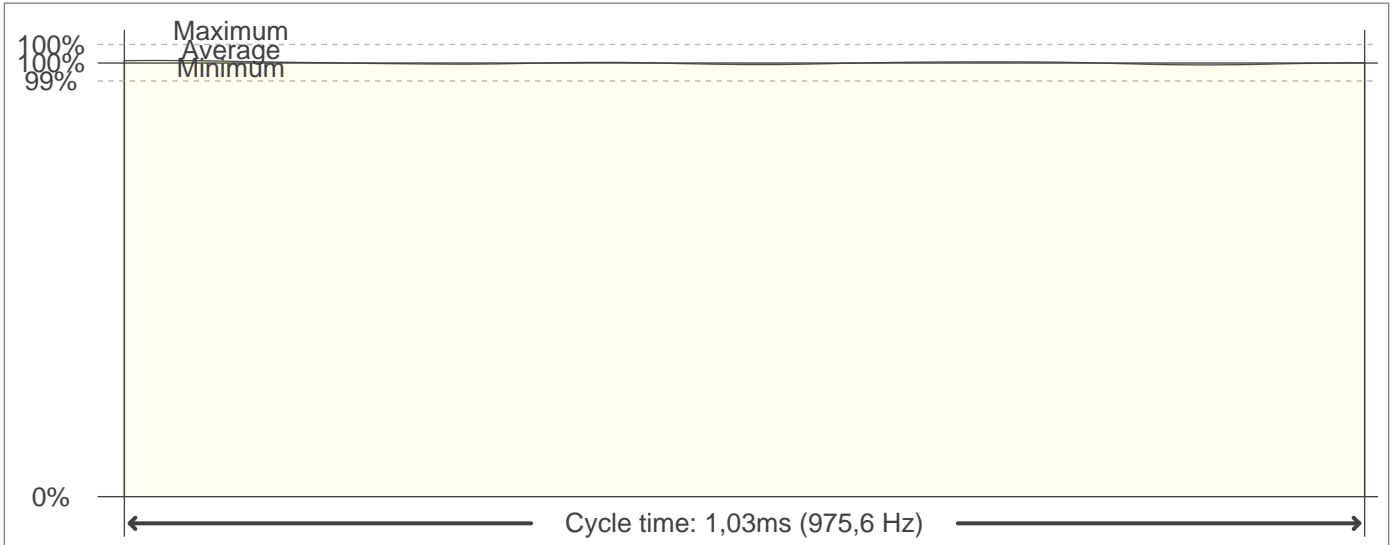
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
8669	8569	8314	7930	7330	6580	5737	4838	3953	3145	2444	1878	1479	1237	1068	948	862	799	747	702
100%	99%	96%	91%	85%	76%	66%	56%	46%	36%	28%	22%	17%	14%	12%	11%	10%	9%	9%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
30,2°	64,0°	131,3°	92,3%	78,4%

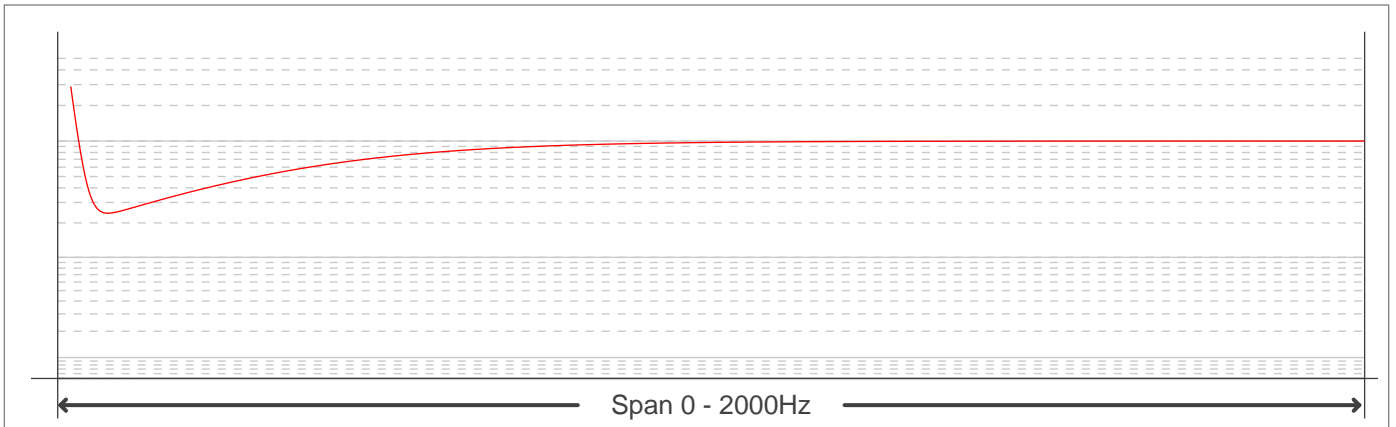
Flicker curve (Complete sampled flicker signal)



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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