

Light efficiency:

129 Lumen/Watt

Light quality:

CRI: 80.8

Color temperature:

5025 K

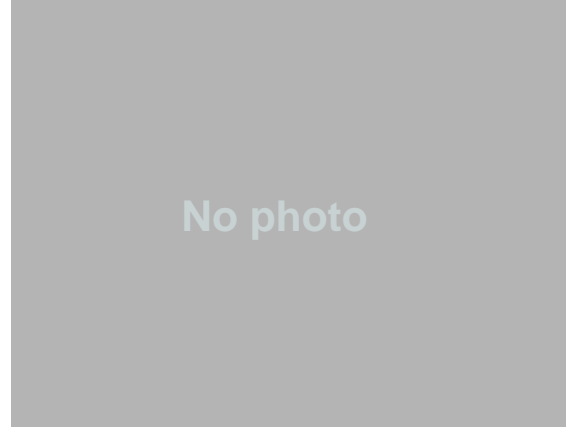
Output: 2046 lm

Peak: 1041 cd

Power: 15.8 W

PF: 1.00

8 PLANES



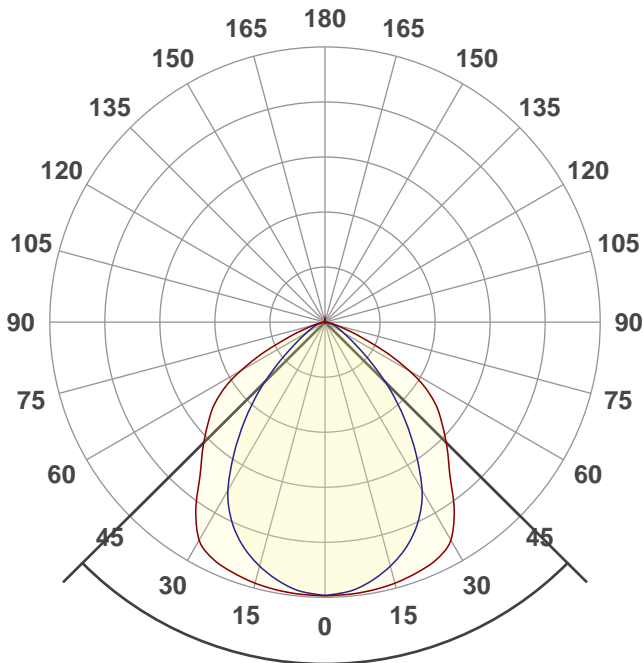
Tracking number: VT231128-004539

Part Number:

AFLD2-50K15-110-K

Date and time:

11/28/2023 10:37:47 AM



Beam angle

90.4°

Color

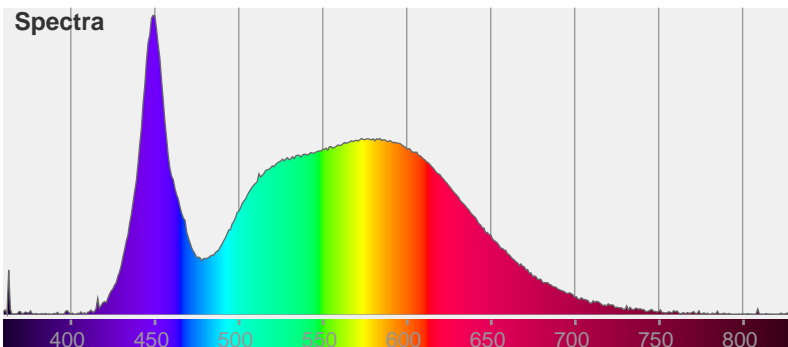


CIE1931

x: 0.345

y: 0.358

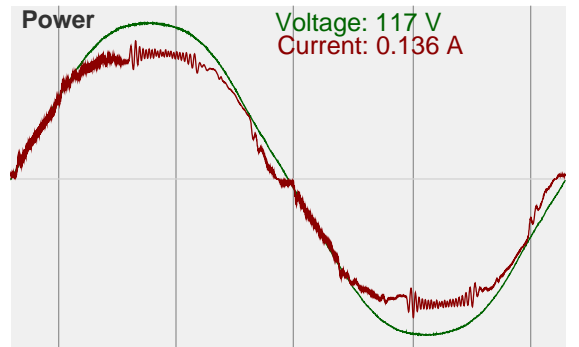
Spectra

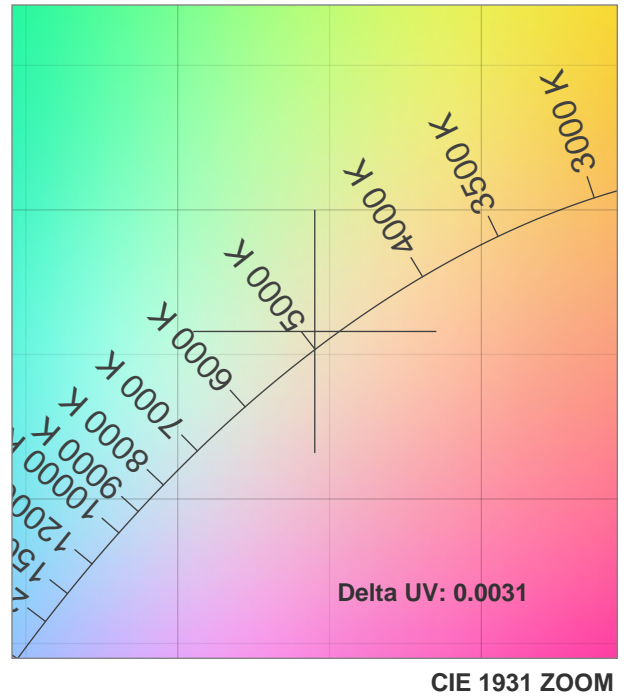
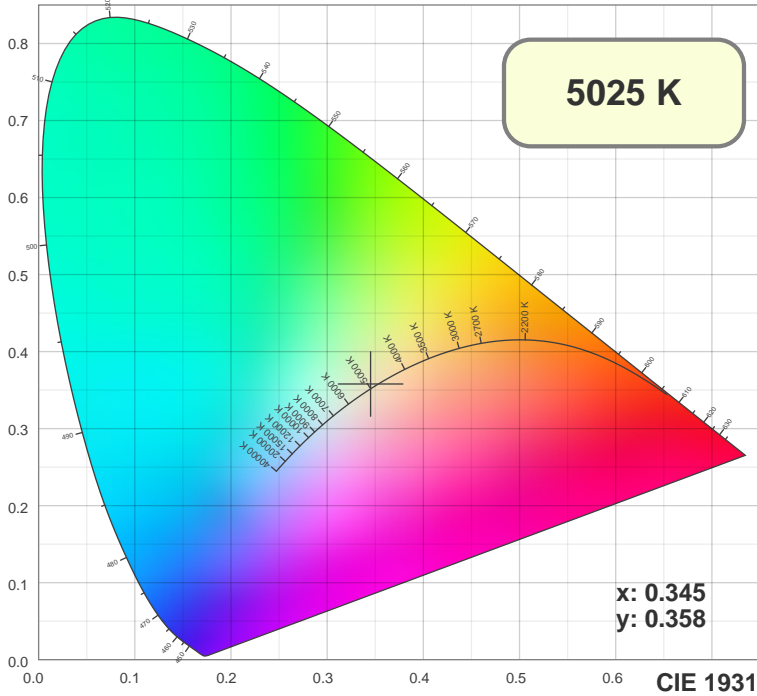


Power

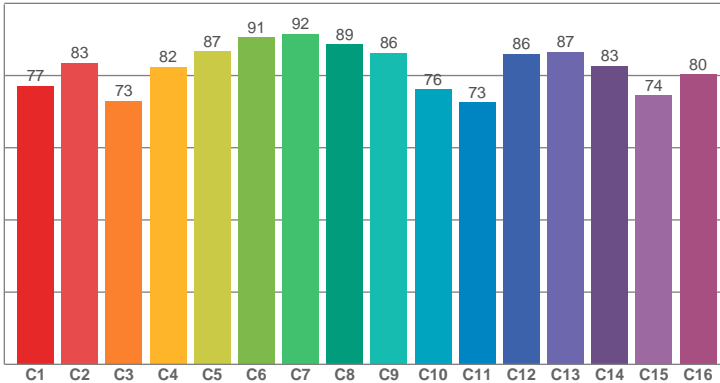
Voltage: 117 V

Current: 0.136 A

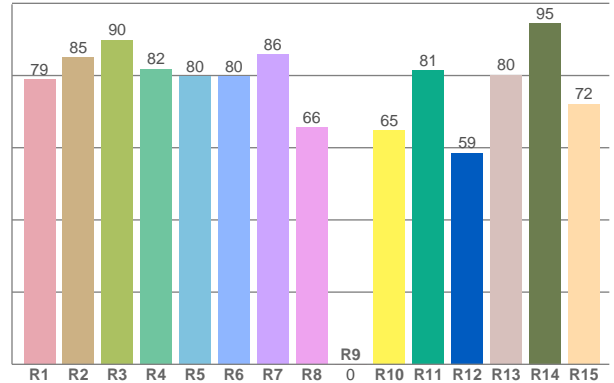




TM30: 82.0



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
78.94	85.01	89.86	81.82	79.74	79.81	85.86	65.63	-0.01	64.89	81.42	58.53	80.20	94.51	72.18

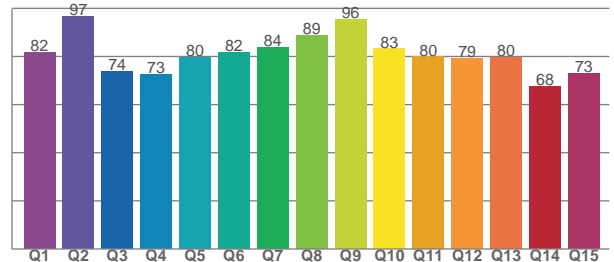
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77.15	83.48	72.99	82.38	86.67	90.59	91.54	88.62	86.32	76.10	72.55	85.96	86.52	82.63	74.43	80.26

CQS Q values

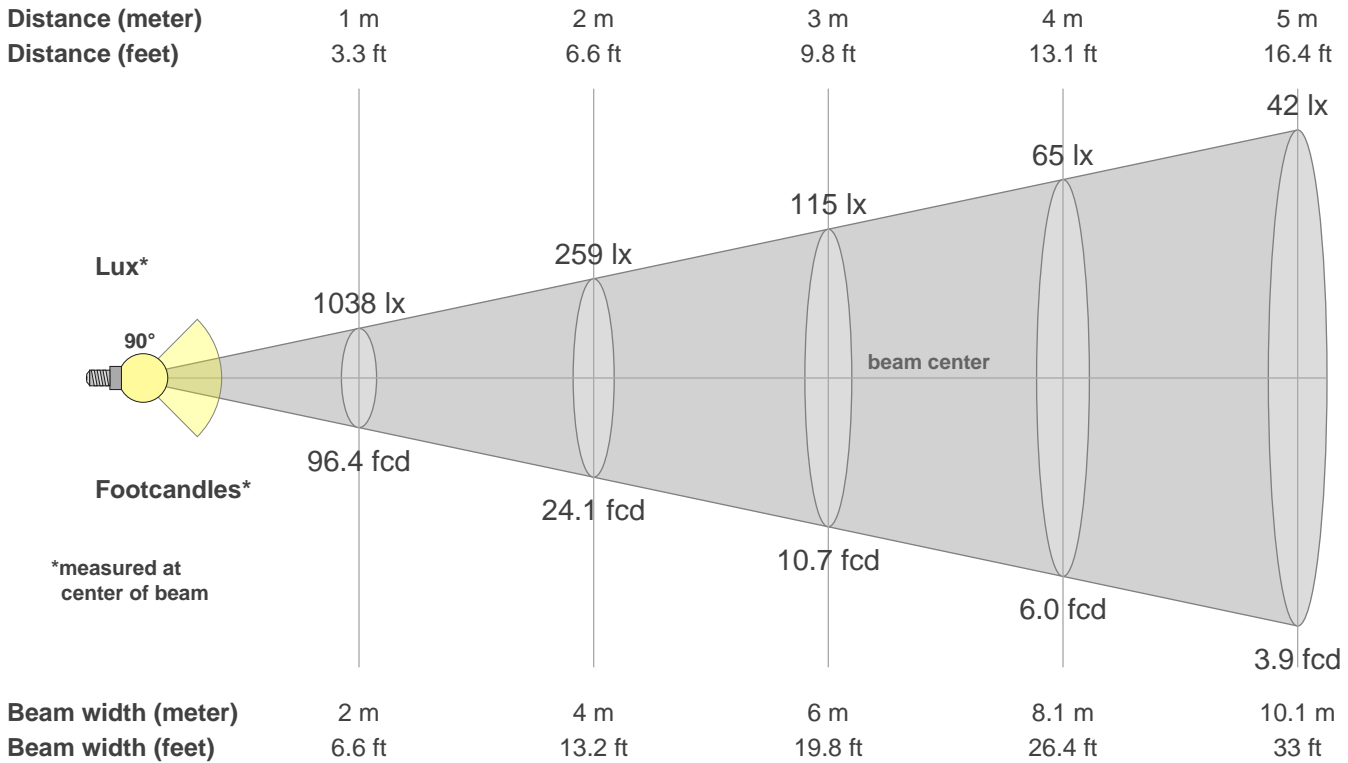
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.69	96.80	73.94	72.53	79.56	81.74	83.73	88.62	95.57	83.11	79.85	79.12	79.59	67.69	72.88

CQS: 79.6



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
5025 K	80.8	0.0	82.0	97.0	79.6	0.3	0.4	0.2	0.3	0.0004



Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1038	1040	1036	1029	1016	999	957	856	739	654	575	491	370	223	106	46	21	8	2	1
100%	100%	100%	99%	98%	96%	92%	82%	71%	63%	55%	47%	36%	21%	10%	4%	2%	1%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1038	1028	1001	961	909	838	738	600	462	331	212	130	83	57	39	24	12	4	2	1
100%	99%	96%	93%	88%	81%	71%	58%	45%	32%	20%	13%	8%	5%	4%	2%	1%	0%	0%	0%

Intensities in 180° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1038	1040	1036	1029	1016	999	957	856	739	654	575	491	370	223	106	46	21	8	2	1
100%	100%	100%	99%	98%	96%	92%	82%	71%	63%	55%	47%	36%	21%	10%	4%	2%	1%	0%	0%

Intensities in 270° c-plane

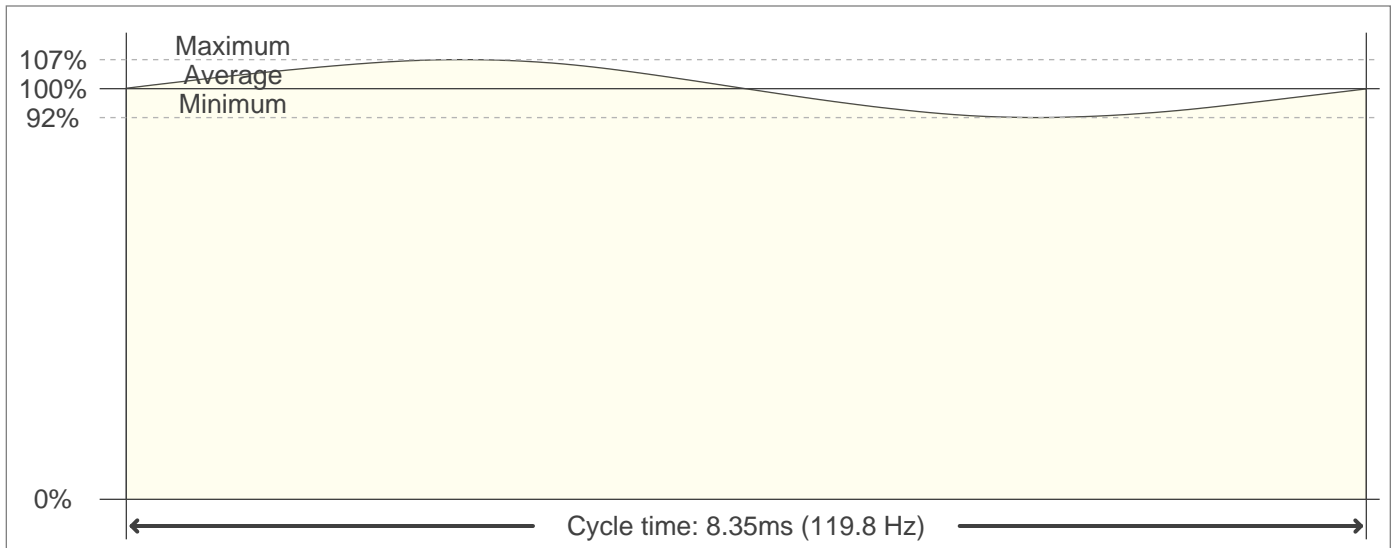
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1038	1028	1001	961	909	838	738	600	462	331	212	130	83	57	39	24	12	4	2	1
100%	99%	96%	93%	88%	81%	71%	58%	45%	32%	20%	13%	8%	5%	4%	2%	1%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
90.4°	125.3°	149.2°	93.0%	72.1%

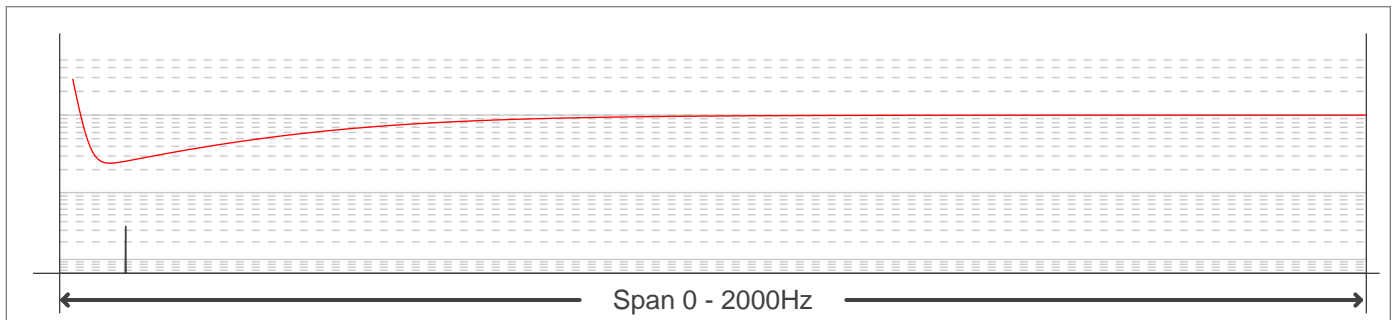
Flicker curve (Complete sampled flicker signal)



Flicker frame (frame of one period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		119.76 Hz	
Flicker index:	0.02	JA8/10 - 40:	0.17 %
Flicker percentage:	7.13 %	JA8/10 - 90:	0.51 %
SVM: (Visual flicker)	0.25	JA8/10 - 200:	7.05 %
PstLM:	0.07	JA8/10 - 400:	7.13 %
Mp:	0.05	JA8/10 - 1000:	7.19 %

Flicker conditions:

Sample Rate	20000 samples/second
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