

Light efficiency:

185 Lumen/Watt

Light quality:

CRI: 72.3

Color temperature:

4888 K

Output: 20456 lm

Peak: 9745 cd

Power: 110.7 W

PF: 0.94

8 PLANES



Product name:

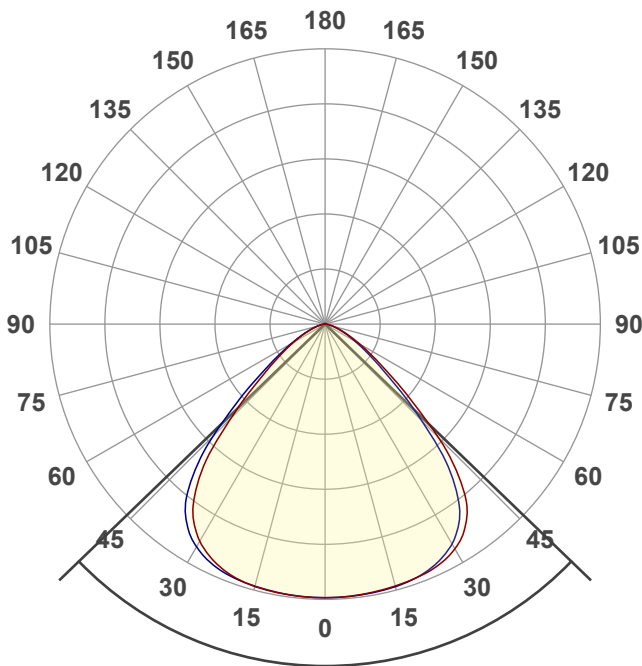
PLUTOHB_120_5000K

Date and time:

6/05/2024 1:29:12 pm

Operator:

HG



Beam angle

92.1°

Color

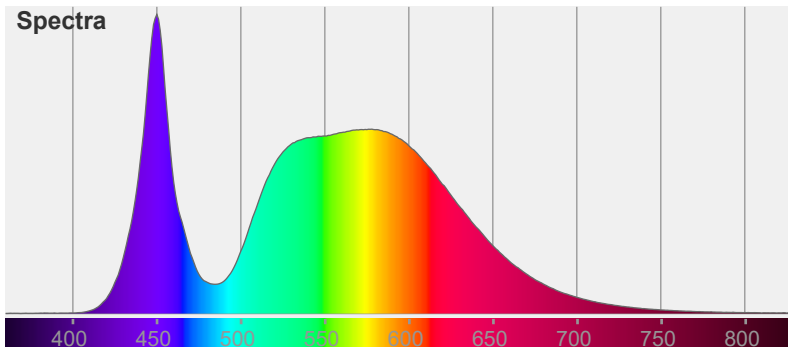


CIE1931

x: 0.350

y: 0.367

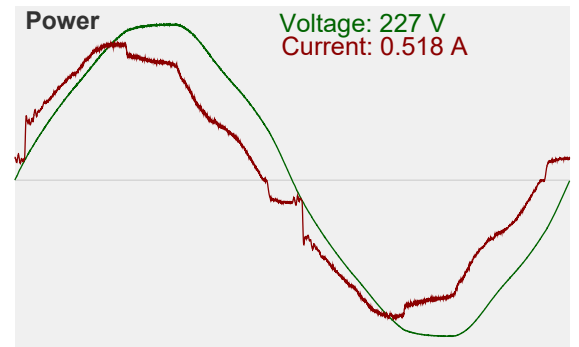
Spectra

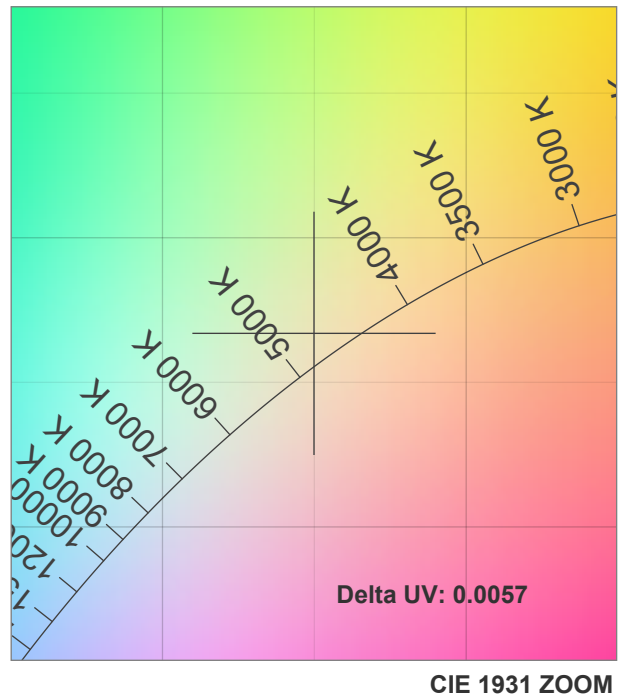
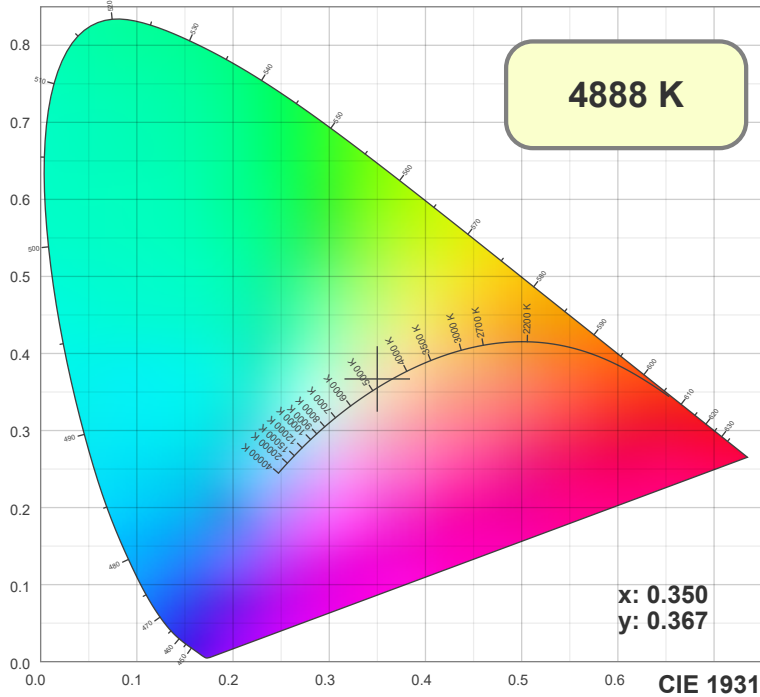


Power

Voltage: 227 V

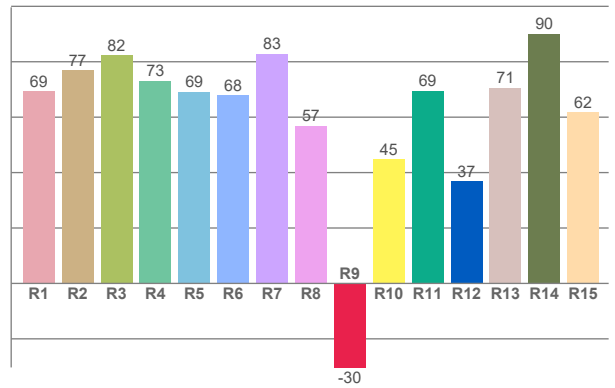
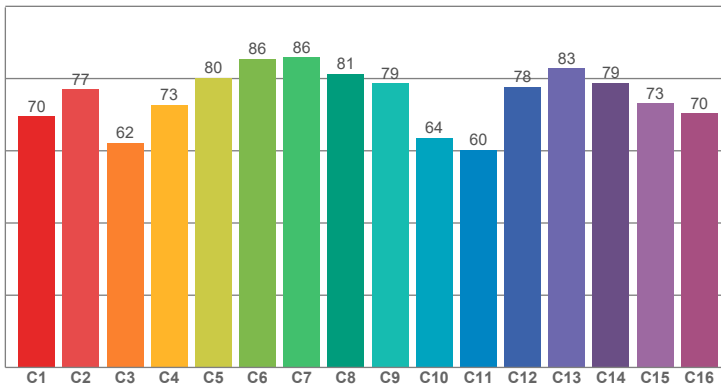
Current: 0.518 A





TM30: 74.2

CRI: 72.3 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

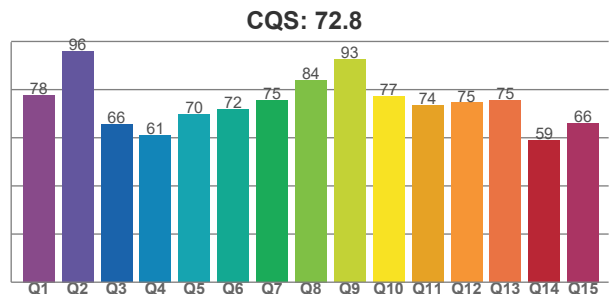
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
69.41	76.85	82.33	73.09	69.18	67.97	82.78	56.92	-30.32	44.70	69.49	36.83	70.59	90.03	61.73

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
69.55	76.99	62.13	72.76	80.19	85.53	85.93	81.35	78.66	63.52	60.22	77.66	82.79	78.85	73.09	70.34

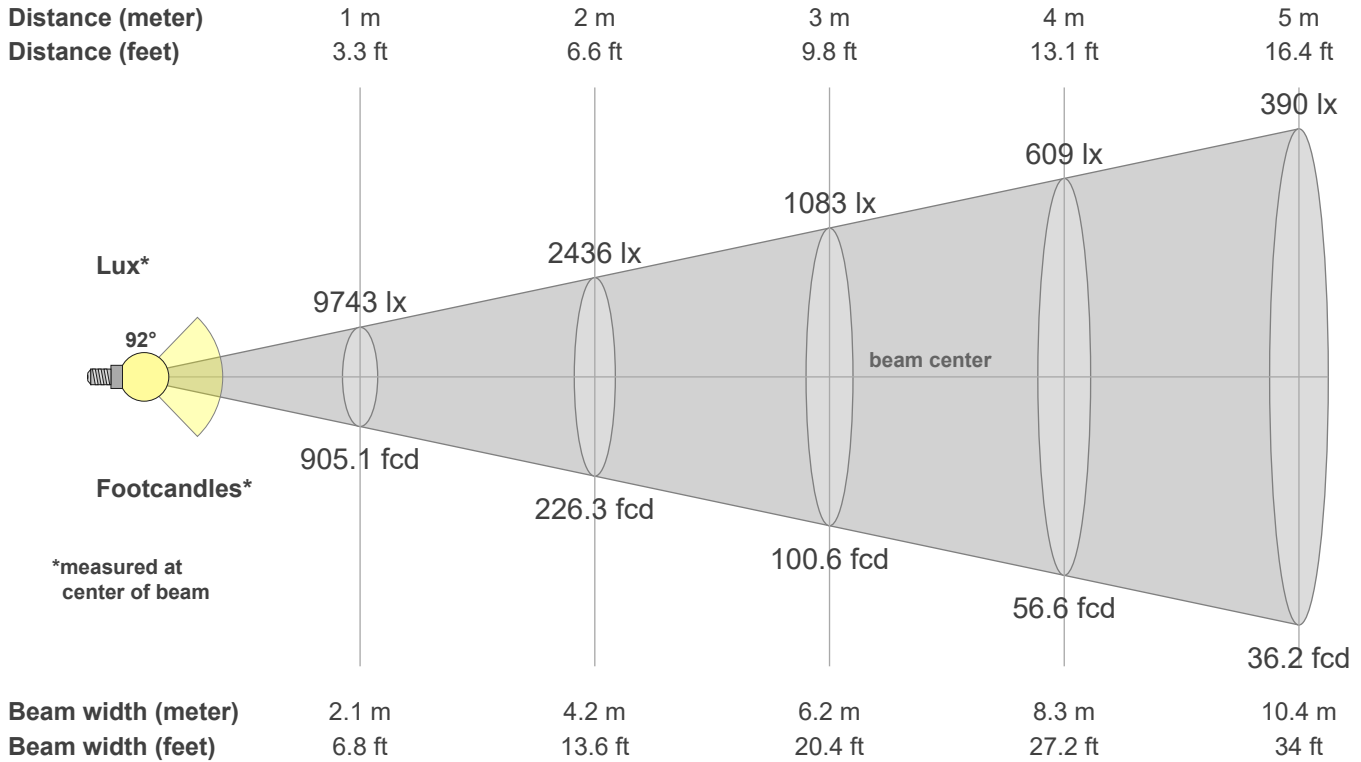
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.83	95.98	65.60	61.11	69.78	71.87	75.40	84.07	92.57	77.32	73.69	74.54	75.46	59.13	66.21



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
4888 K	72.3	-30.3	74.2	94.6	72.8	0.3	0.4	0.2	0.3	0.0057



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°
9743	9730	9698	9654	9593	9479	9217	8676	7585	5715	3630	2266	1450	902	539	306	159	51	7	0
100%	100%	100%	99%	98%	97%	95%	89%	78%	59%	37%	23%	15%	9%	6%	3%	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°
9743	9737	9715	9676	9585	9383	9009	8291	6925	4919	3125	1980	1271	796	469	261	132	28	4	0
100%	100%	100%	99%	98%	96%	92%	85%	71%	50%	32%	20%	13%	8%	5%	3%	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°
9743	9737	9715	9670	9555	9316	8900	8152	6785	4790	3085	2011	1313	822	481	262	130	27	4	0
100%	100%	100%	99%	98%	96%	91%	84%	70%	49%	32%	21%	13%	8%	5%	3%	1%	0%	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°
9743	9733	9703	9658	9590	9439	9131	8553	7455	5653	3660	2255	1418	883	528	301	156	53	8	0
100%	100%	100%	99%	98%	97%	94%	88%	77%	58%	38%	23%	15%	9%	5%	3%	2%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
92.1°	127.0°	152.1°	94.1%	76.0%