

Light efficiency:

44 Lumen/Watt

Light quality:

CRI: 93.5

Color temperature:

2940 K

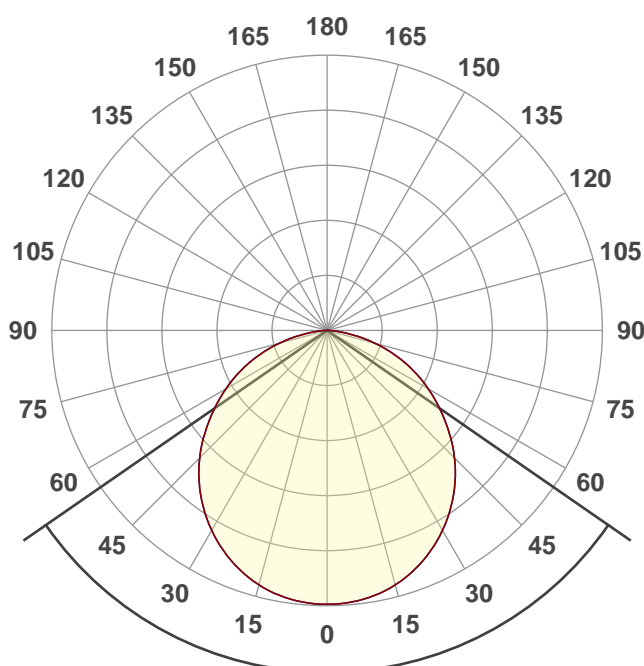
Output: 308 lm

Peak: 110 cd

Power: 7.0 W

PF: 0.48

36 PLANES



Beam angle

110.6°

Color

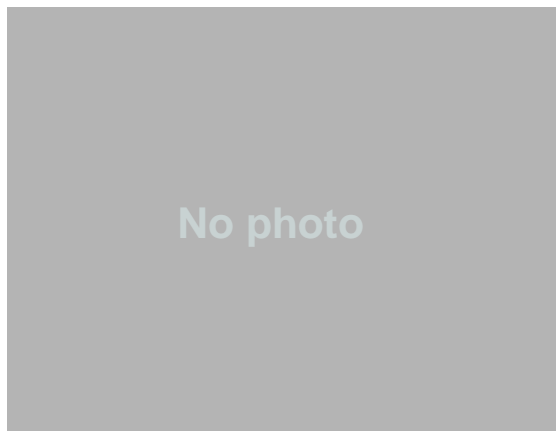
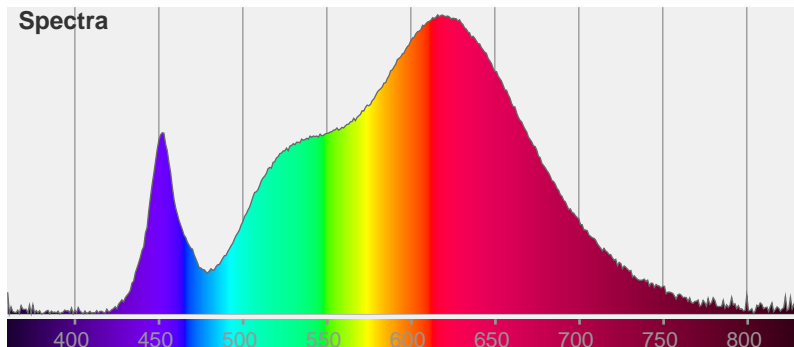


CIE1931

x: 0.439

y: 0.401

Spectra



Product name:

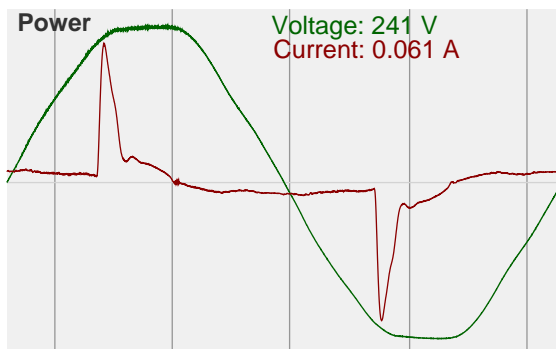
LD53 reflective disk in base

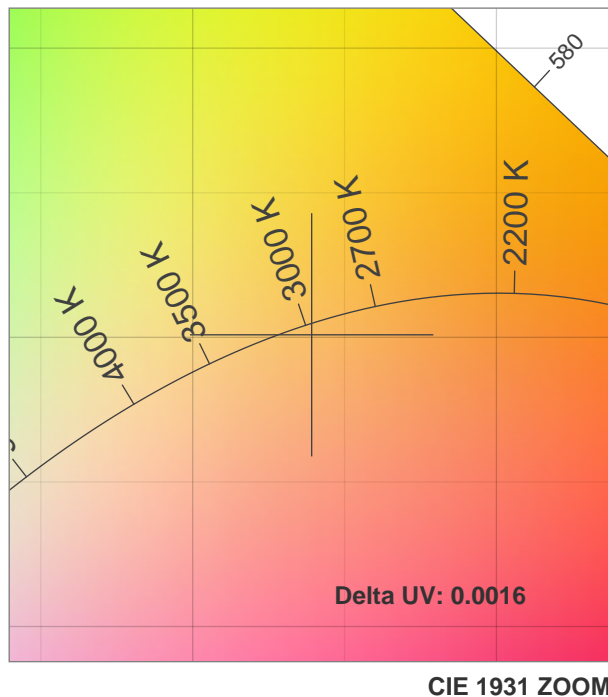
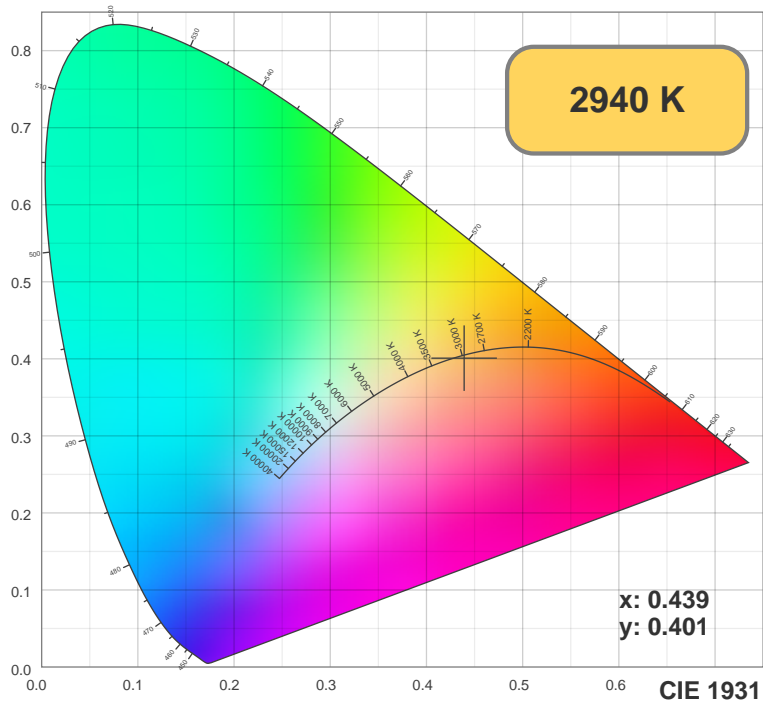
Date and time:

13/06/2023 15:33:56

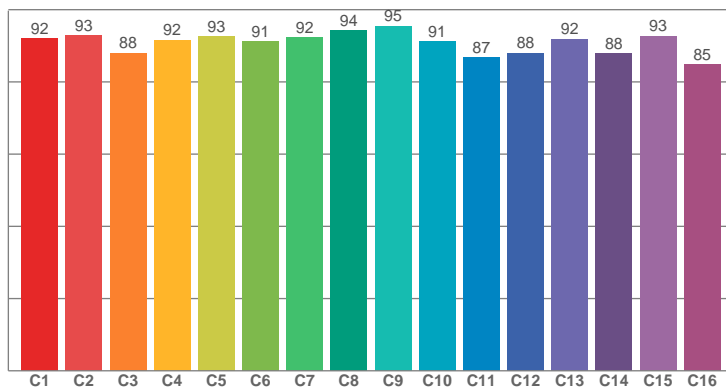
Operator:

FP

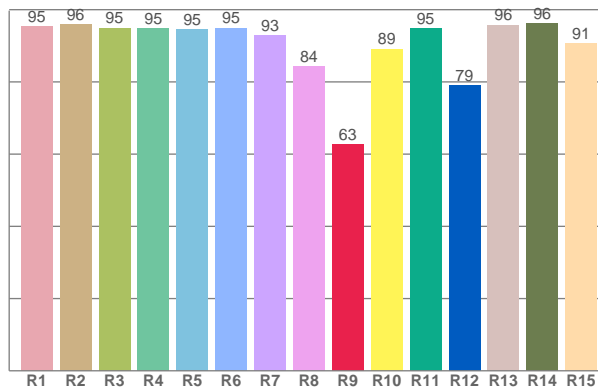




TM30: 90.8



CRI: 93.5 (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
95.28	95.96	94.98	94.84	94.51	94.92	92.89	84.23	62.69	89.10	94.81	79.02	95.76	96.19	90.66

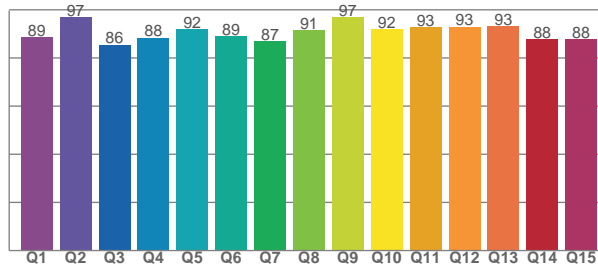
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.00	92.77	87.99	91.61	92.68	91.14	92.25	94.30	95.50	91.30	86.71	88.06	91.93	87.96	92.70	84.85

CQS Q values

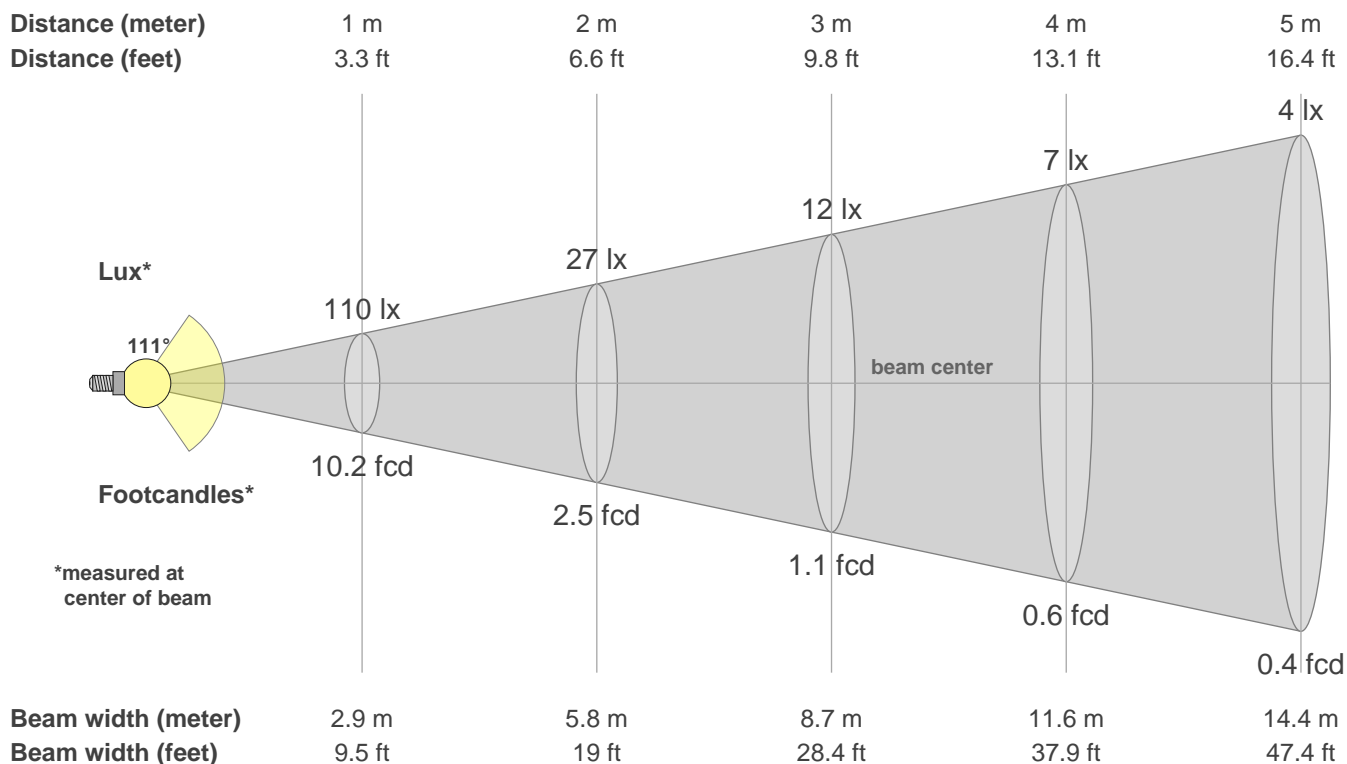
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.65	97.03	85.52	88.44	92.10	89.20	86.82	91.47	96.86	91.85	92.76	92.98	93.30	87.78	87.81

CQS: 90.1



Color parameters

CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Duv
2940 K	93.5	62.7	90.8	102.3	90.1	0.4	0.4	0.3	0.3	-0.0016



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°
110	109	108	105	102	98	92	86	80	72	64	55	47	38	29	20	11	4	0	0
100%	100%	98%	96%	93%	89%	84%	79%	73%	66%	58%	50%	43%	35%	27%	18%	10%	4%	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°
110	109	108	105	102	98	92	86	80	72	64	55	47	38	29	20	11	4	0	0
100%	100%	98%	96%	93%	89%	84%	79%	73%	66%	58%	50%	43%	35%	27%	18%	10%	4%	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°
110	109	108	105	102	98	92	86	80	72	64	55	47	38	29	20	11	4	0	0
100%	100%	98%	96%	93%	89%	84%	79%	73%	66%	58%	50%	43%	35%	27%	18%	10%	4%	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°
110	109	108	105	102	98	92	86	80	72	64	55	47	38	29	20	11	4	0	0
100%	100%	98%	96%	93%	89%	84%	79%	73%	66%	58%	50%	43%	35%	27%	18%	10%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2.5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
110.6°	160.2°	172.0°	79.5%	54.4%