

Light efficiency:



Light quality:



Color temperature:



Output: 103 lm

Peak: 901 cd

Power: 15.6 W

PF: 0.97



Tracking number: [n/a](#)

Product name:

Dotz Par RGBL

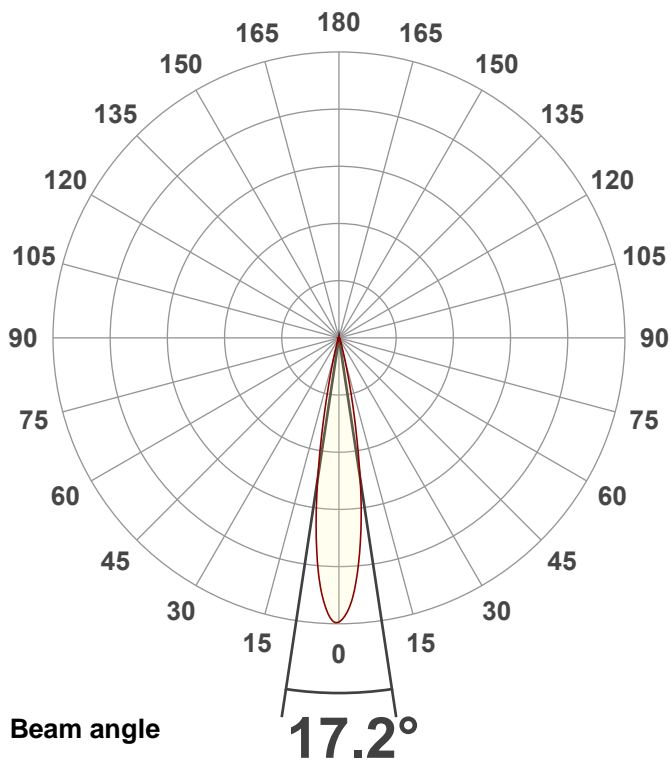
Item number:

Blue

Date and time:

7/11/2024 8:50:20 AM

Description:

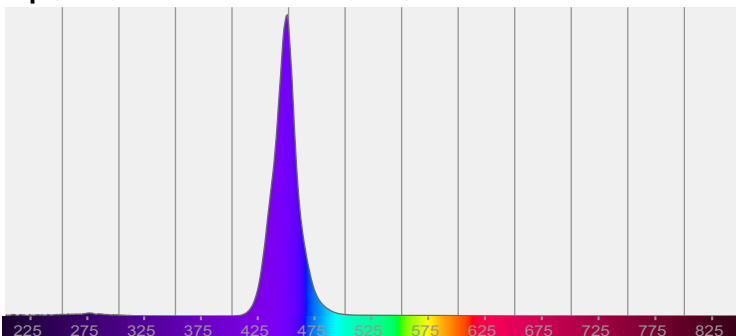


CIE 1931

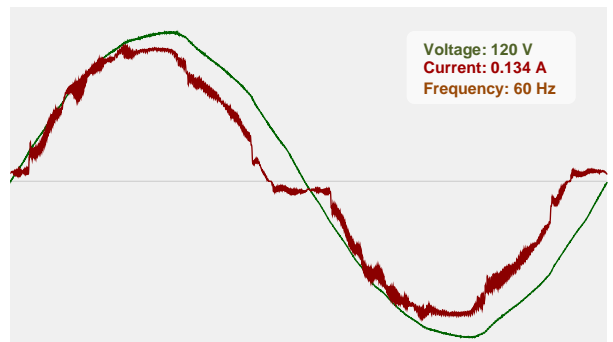
x: 0.157

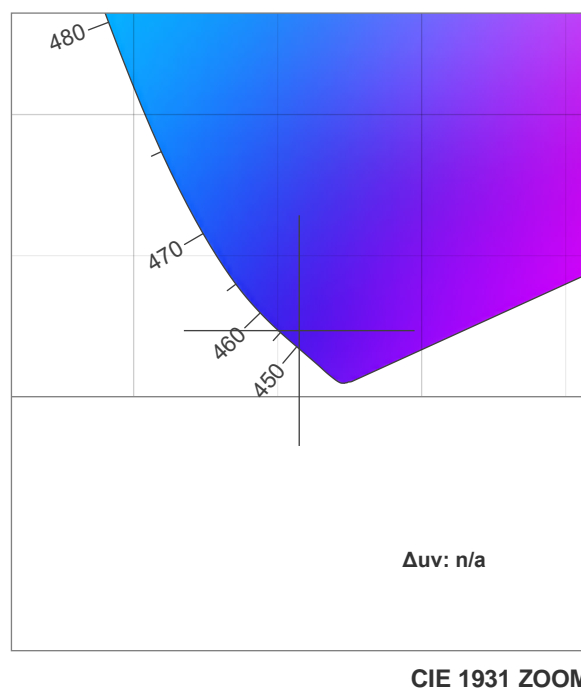
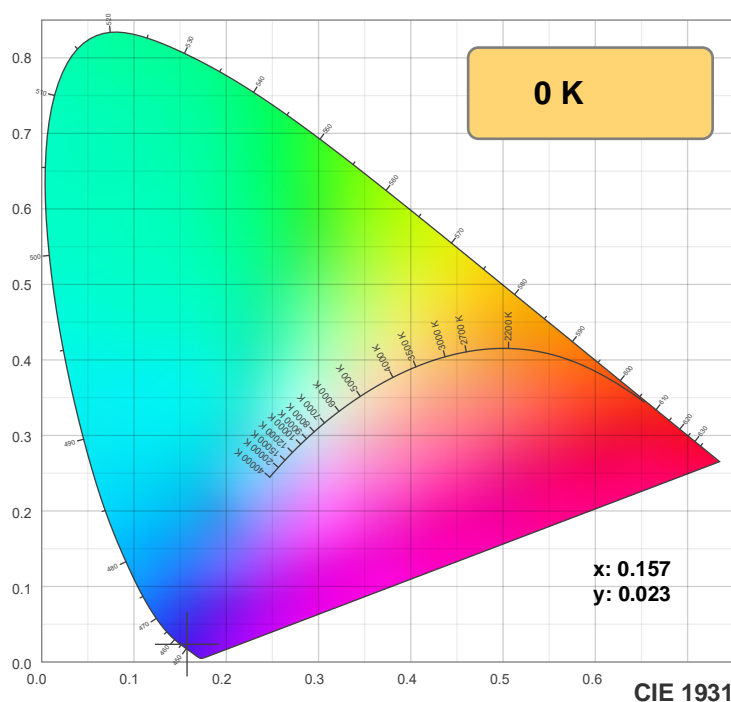
y: 0.023

Spectra



Power





TM-30: 0.0

CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16

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
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16

Color parameters

Color temperature	Color rendering index	Red component	Color fidelity	Color gamut	Color quality scale	Color coordinate cie 1931	Color coordinate cie 1931	Color coordinate	Color coordinate	Color deviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
0 K	0.0	0.0	0.0	0.0	0.0	0.157	0.023	0.212	0.047	n/a

TM-30 details

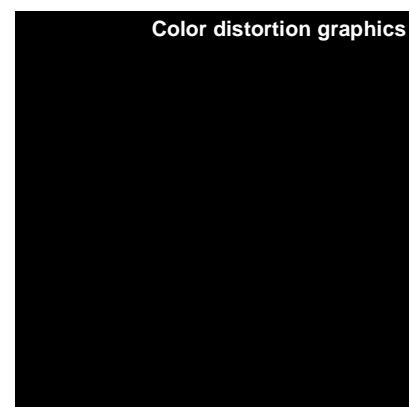
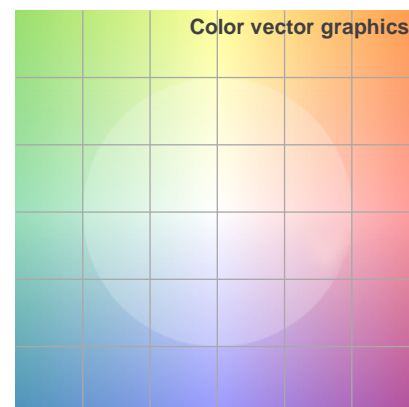
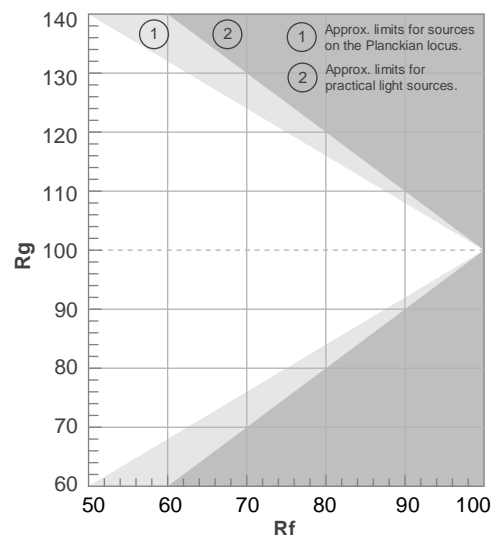
Rf 0.0

Fidelity index Rf

Rg 0.0

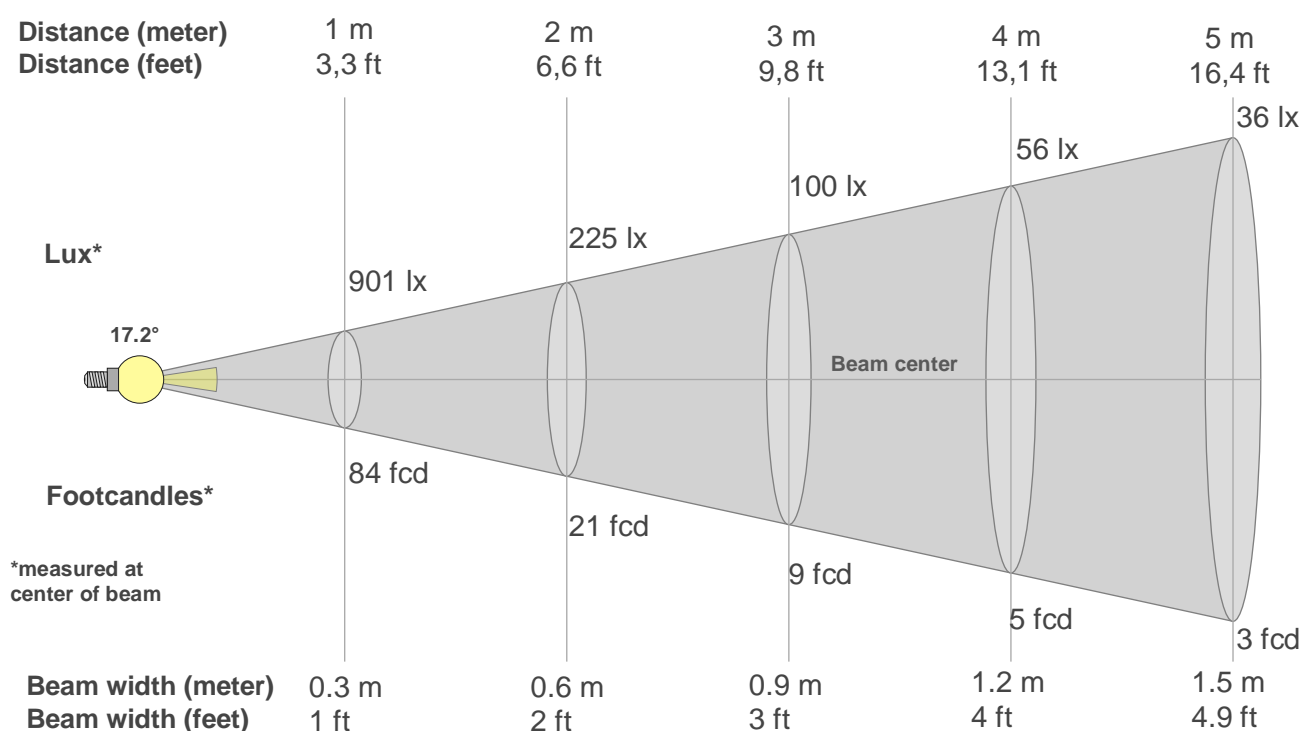
Gamut index Rg

Hue Bin	R _t	Shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Evaluation Sample

Beam details



Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
901lx	225lx	100lx	56lx	36lx	25lx	18lx	14lx	11lx	9lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx
83.7fcd	20.9fcd	9.3fcd	5.2fcd	3.3fcd	2.3fcd	1.7fcd	1.3fcd	1fcd	0.8fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
901	887	862	826	775	716	650	578	500	415	330	258	195	144	103	76	57	44	35	29
100%	98%	96%	92%	86%	79%	72%	64%	55%	46%	37%	29%	22%	16%	11%	8%	6%	5%	4%	3%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
901	887	862	826	775	716	650	578	500	415	330	258	195	144	103	76	57	44	35	29
100%	98%	96%	92%	86%	79%	72%	64%	55%	46%	37%	29%	22%	16%	11%	8%	6%	5%	4%	3%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
901	901	883	849	805	747	675	594	504	411	320	237	169	120	83	58	45	34	28	23
100%	100%	98%	94%	89%	83%	75%	66%	56%	46%	36%	26%	19%	13%	9%	6%	5%	4%	3%	3%

Intensities in 270° c-plane

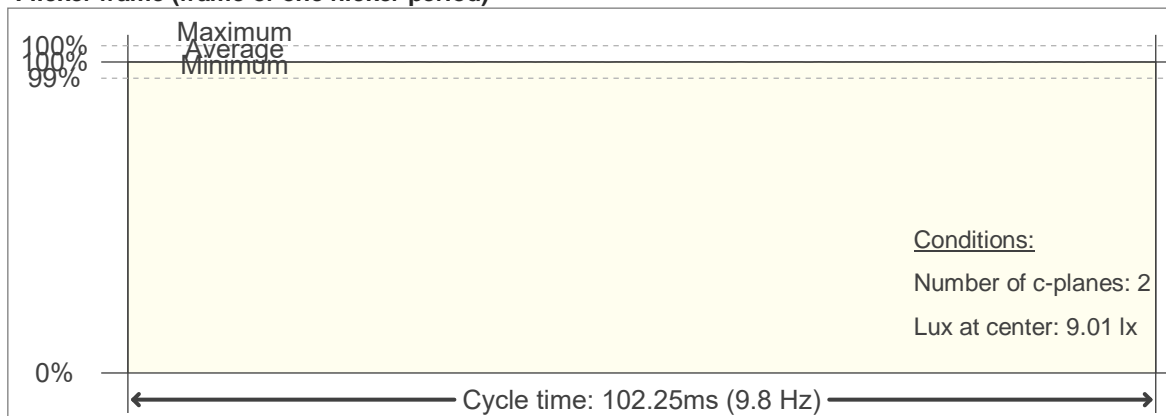
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
901	901	883	849	805	747	675	594	504	411	320	237	169	120	83	58	45	34	28	23
100%	100%	98%	94%	89%	83%	75%	66%	56%	46%	36%	26%	19%	13%	9%	6%	5%	4%	3%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
17.2°	28.3°	39.9°	96.2%	91.0%

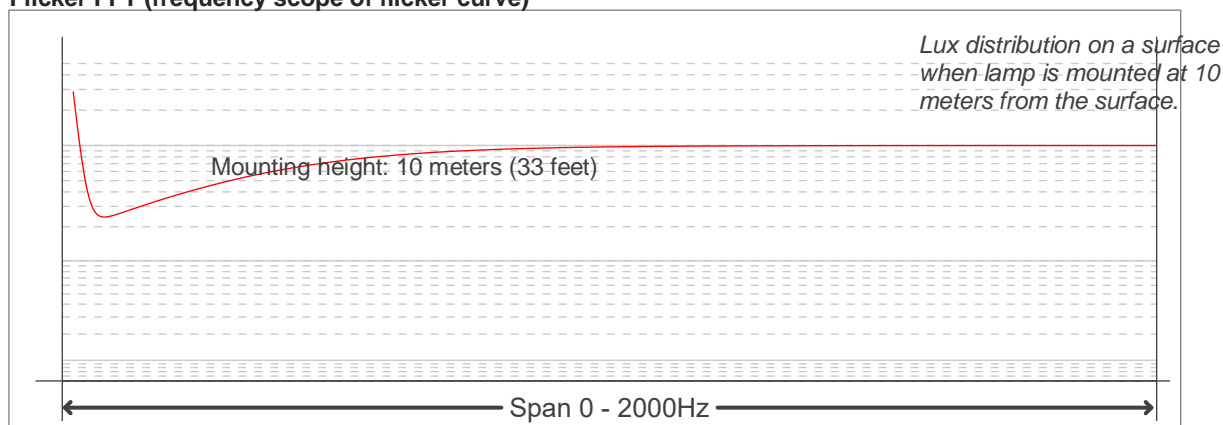
Flicker

Flicker curve (complete sampled flicker signal)

Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		9.78 Hz	
Flicker index:	0	JA8/10 40Hz	0.08 %
Flicker percentage:	0.15 %	JA8/10 90Hz	0.1 %
SVM: (Visual flicker)	0	JA8/10 200Hz	0.11 %
PstLM	0.07	JA8/10 400Hz	0.12 %
Mp	0.04	JA8/10 1000Hz	0.13 %

Flicker conditions:

Sample rate:	20000 samples/second
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