

Light efficiency:



Light quality:



Color temperature:



Output: 309 lm  
Peak: 2221 cd  
Power: 12.7 W  
PF: 0.96



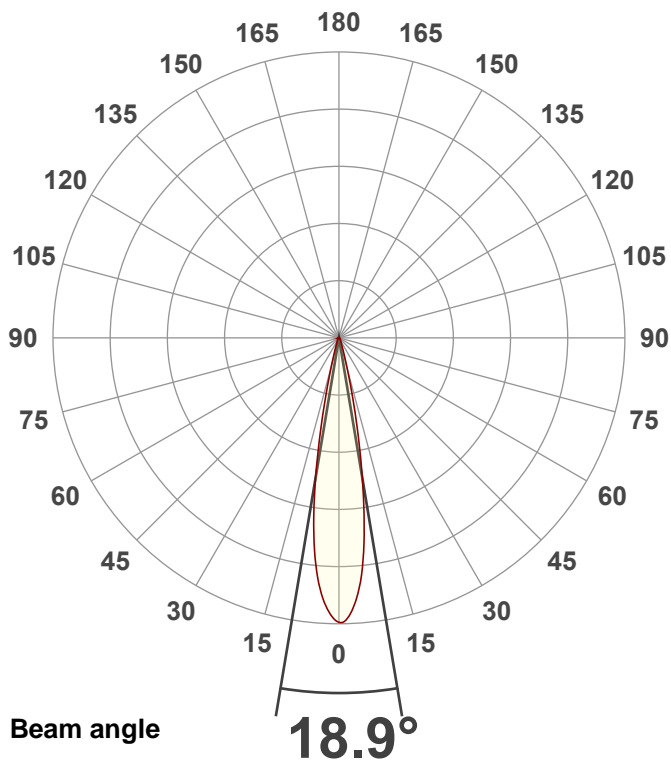
Tracking number: [n/a](#)

Product name:  
**Dotz Par RGBL**

Item number:  
**Red**

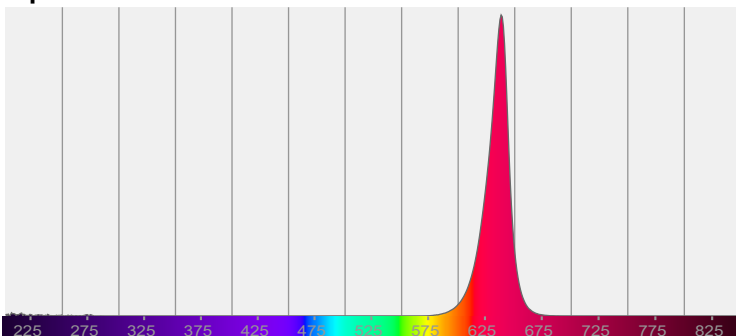
Date and time:  
**7/10/2024 6:16:40 PM**

Description:

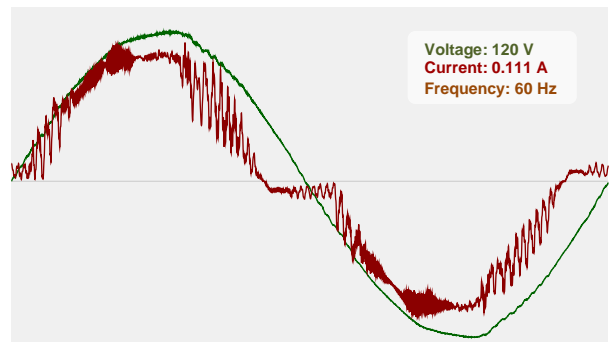


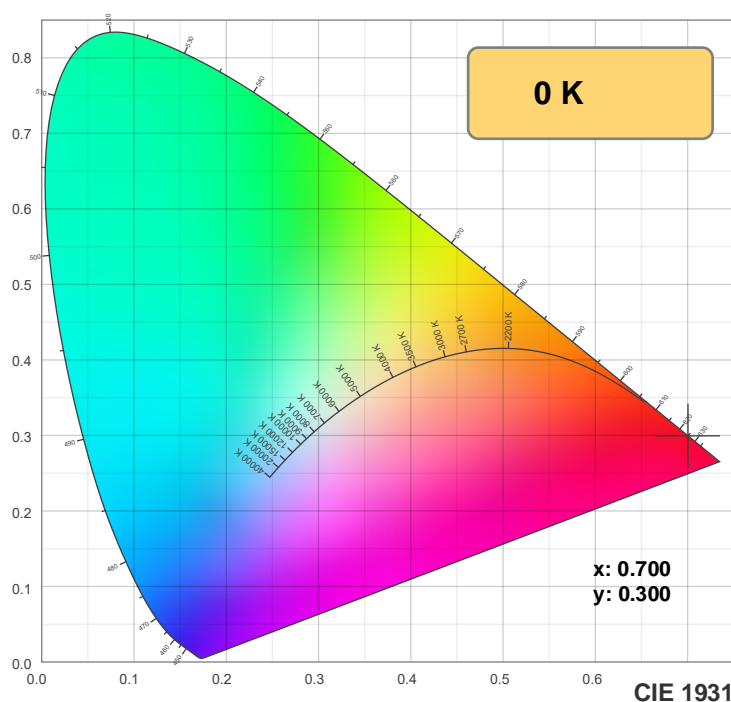
CIE 1931  
x: 0.700  
y: 0.300

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	$\Delta uv$
0 K	0.0	0.0	0.0	0.0	0.0	0.700	0.300	0.539	0.346	n/a

# TM-30 details

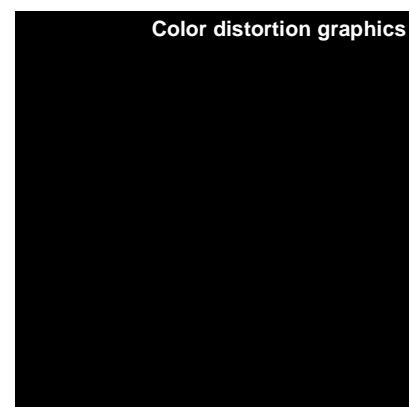
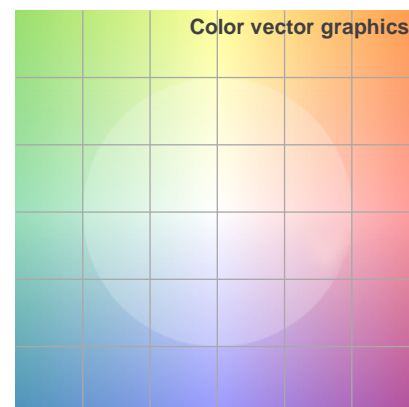
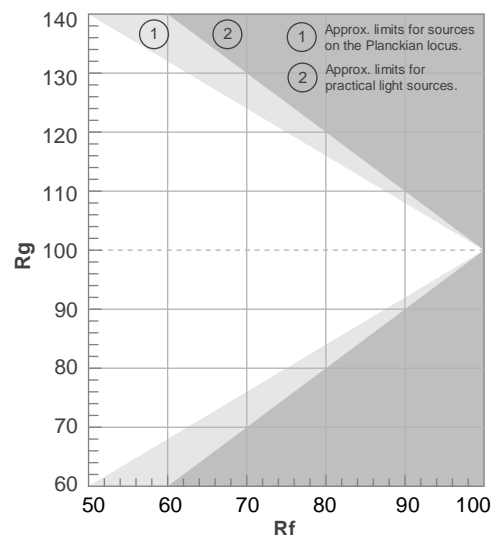
**Rf 0.0**

Fidelity index Rf

**Rg 0.0**

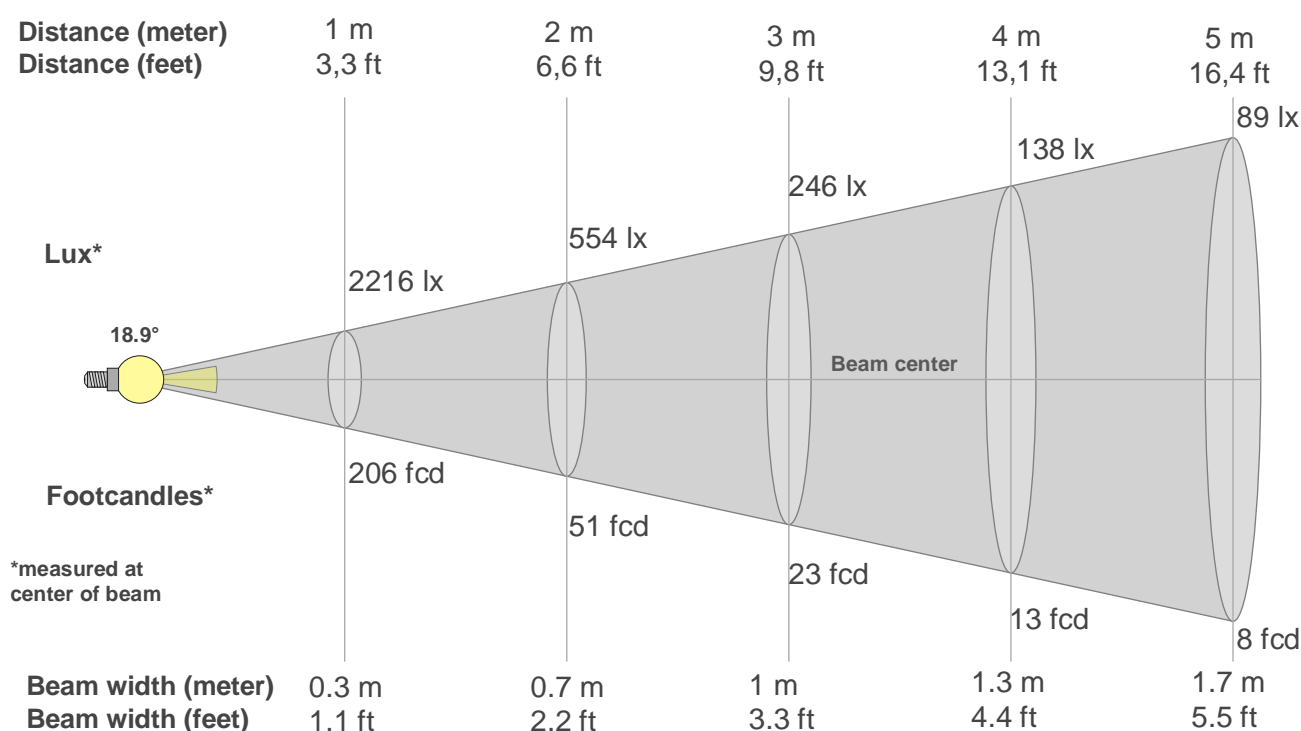
Gamut index Rg

Hue Bin	R <sub>t</sub>	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
2216lx	554lx	246lx	138lx	89lx	62lx	45lx	35lx	27lx	22lx	18lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx	6lx	6lx
205.8fcd	51.5fcd	22.9fcd	12.9fcd	8.2fcd	5.7fcd	4.2fcd	3.2fcd	2.5fcd	2.1fcd	1.7fcd	1.4fcd	1.2fcd	1.1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd	0.5fcd

### 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°
2216	2218	2173	2109	2026	1912	1771	1607	1409	1207	1002	809	633	473	354	261	189	149	118	95
100%	100%	98%	95%	91%	86%	80%	73%	64%	54%	45%	37%	29%	21%	16%	12%	9%	7%	5%	4%

### 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°
2216	2218	2173	2109	2026	1912	1771	1607	1409	1207	1002	809	633	473	354	261	189	149	118	95
100%	100%	98%	95%	91%	86%	80%	73%	64%	54%	45%	37%	29%	21%	16%	12%	9%	7%	5%	4%

### 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°
2216	2193	2148	2078	1992	1889	1750	1593	1414	1208	997	782	598	440	313	234	173	130	105	85
100%	99%	97%	94%	90%	85%	79%	72%	64%	55%	45%	35%	27%	20%	14%	11%	8%	6%	5%	4%

### Intensities in 270° c-plane

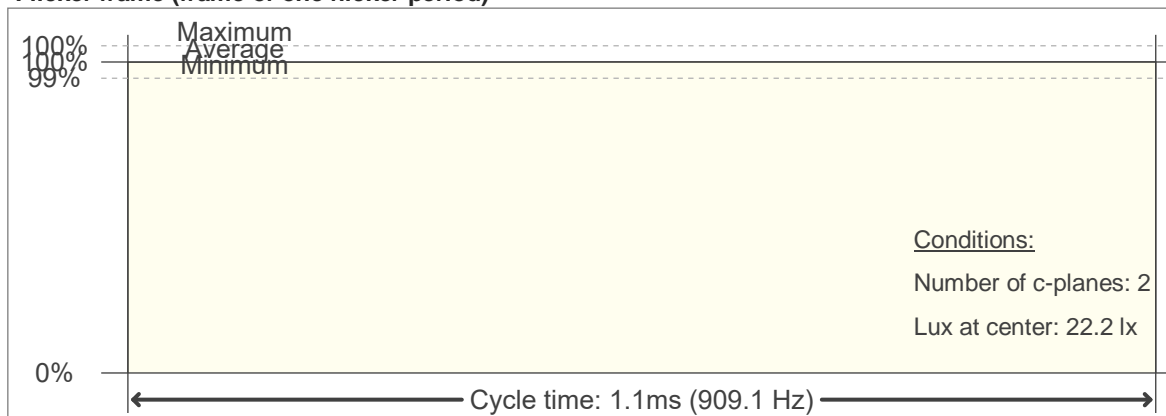
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2216	2193	2148	2078	1992	1889	1750	1593	1414	1208	997	782	598	440	313	234	173	130	105	85
100%	99%	97%	94%	90%	85%	79%	72%	64%	55%	45%	35%	27%	20%	14%	11%	8%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.9°	30.7°	43.6°	95.4%	89.7%

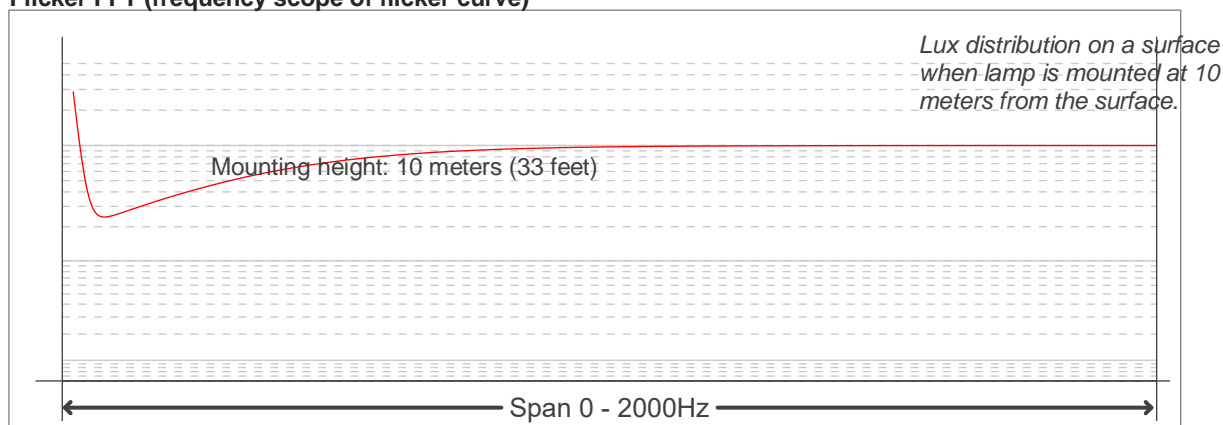
## Flicker

### Flicker curve (complete sampled flicker signal)

### Flicker frame (frame of one flicker period)



### Flicker FFT (frequency scope of flicker curve)



### Flicker results:

Flicker frequency:		909.09 Hz	
Flicker index:	0	JA8/10 40Hz	0.09 %
Flicker percentage:	0.22 %	JA8/10 90Hz	0.12 %
SVM: (Visual flicker)	0	JA8/10 200Hz	0.15 %
PstLM	0.09	JA8/10 400Hz	0.16 %
Mp	0.05	JA8/10 1000Hz	0.19 %

### Flicker conditions:

Sample rate:	20000 samples/second
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