

Light efficiency:



Light quality:



Color temperature:



Output: 582 lm

Peak: 4159 cd

Power: 16.4 W

PF: 0.97



Tracking number: [n/a](#)

Product name:

**Dotz Par RGBL**

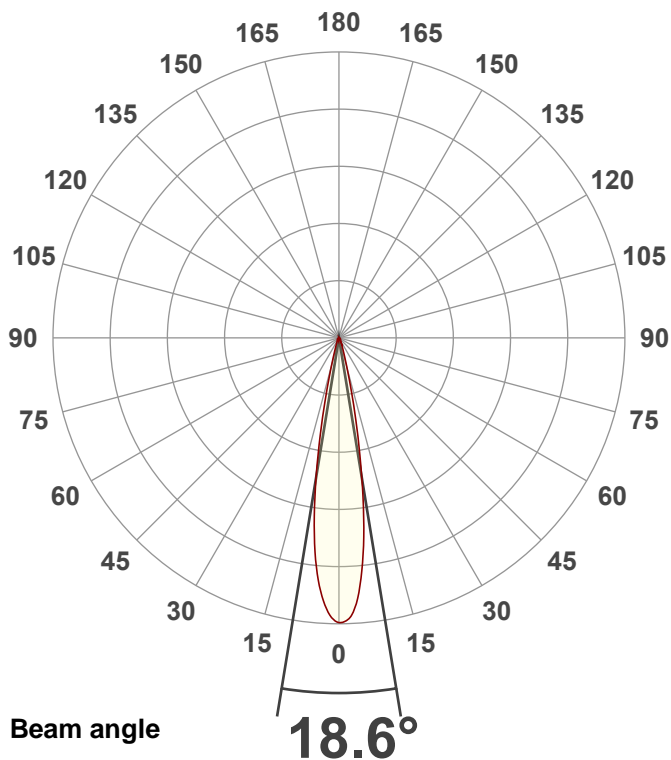
Item number:

**Green**

Date and time:

**7/10/2024 6:47:39 PM**

Description:

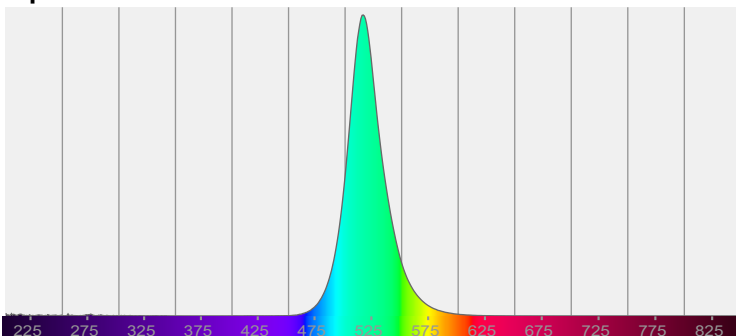


CIE 1931

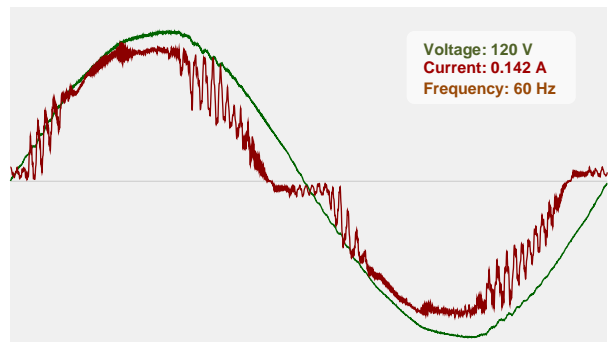
x: 0.139

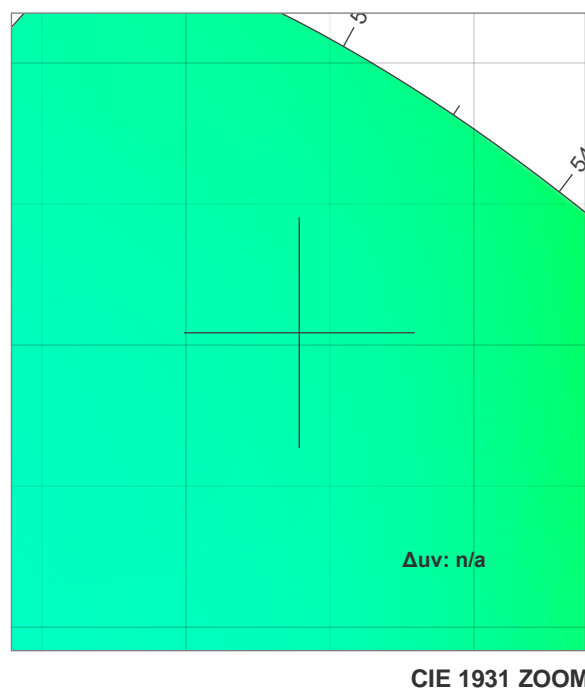
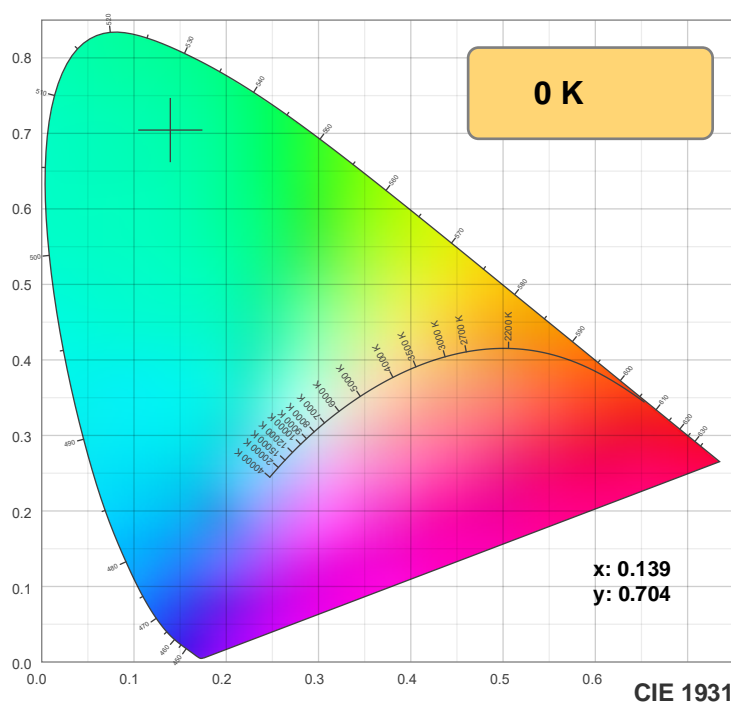
y: 0.704

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	

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	

## 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	0.139	0.704	0.050	0.378	n/a

# TM-30 details

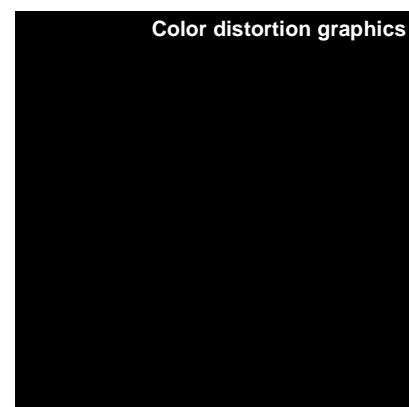
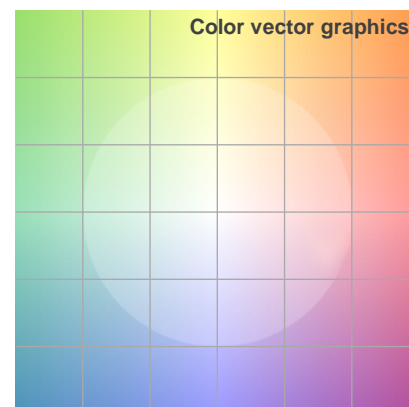
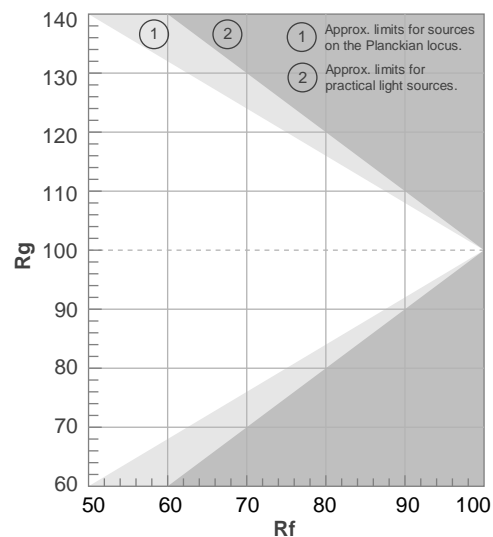
**Rf 0.0**

Fidelity index Rf

**Rg 0.0**

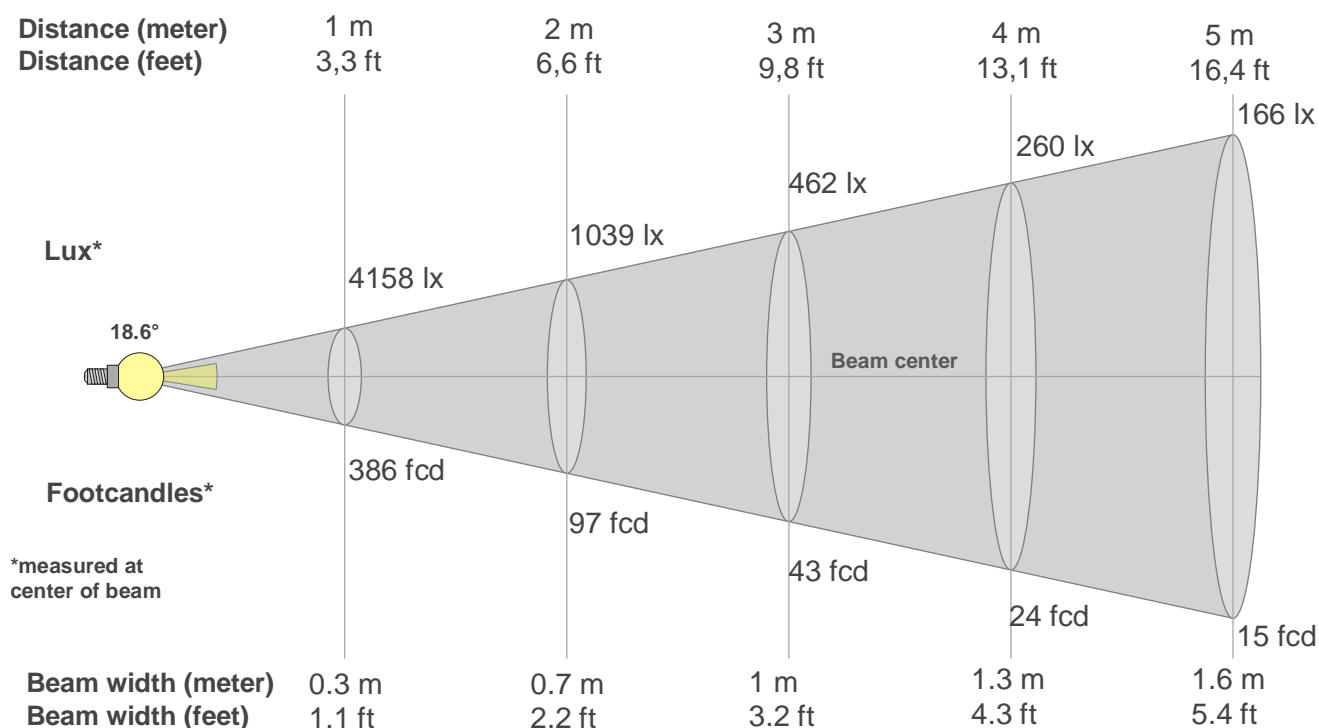
Gamut index Rg

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
4158lx	1039lx	462lx	260lx	166lx	115lx	85lx	65lx	51lx	42lx	34lx	29lx	25lx	21lx	18lx	16lx	14lx	13lx	12lx	10lx
386.3fcd	96.6fcd	42.9fcd	24.1fcd	15.5fcd	10.7fcd	7.9fcd	6fcd	4.8fcd	3.9fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd	1fcd

### 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°
4158	4154	4101	4001	3840	3586	3297	2971	2588	2193	1791	1440	1119	836	631	466	352	281	225	183
100%	100%	99%	96%	92%	86%	79%	71%	62%	53%	43%	35%	27%	20%	15%	11%	8%	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°
4158	4154	4101	4001	3840	3586	3297	2971	2588	2193	1791	1440	1119	836	631	466	352	281	225	183
100%	100%	99%	96%	92%	86%	79%	71%	62%	53%	43%	35%	27%	20%	15%	11%	8%	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°
4158	4119	4045	3907	3732	3526	3255	2937	2584	2191	1798	1413	1078	803	576	431	325	247	199	164
100%	99%	97%	94%	90%	85%	78%	71%	62%	53%	43%	34%	26%	19%	14%	10%	8%	6%	5%	4%

### Intensities in 270° c-plane

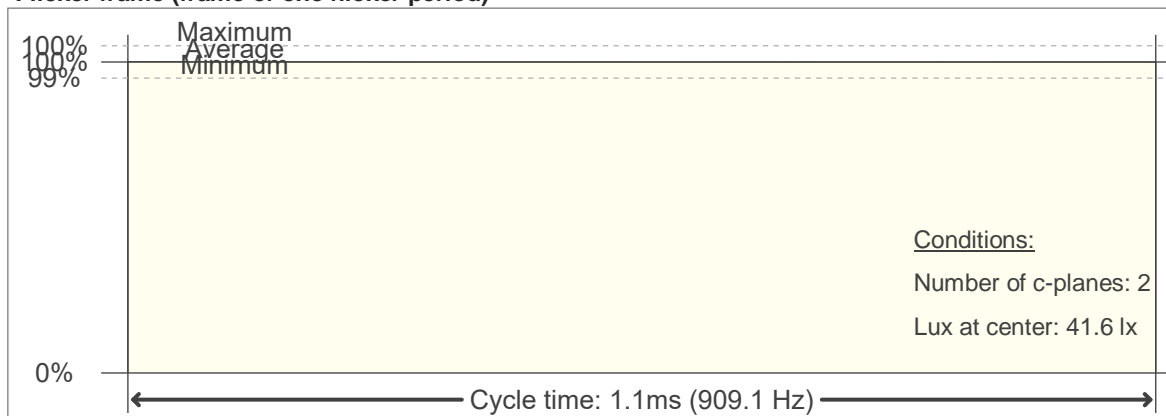
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
4158	4119	4045	3907	3732	3526	3255	2937	2584	2191	1798	1413	1078	803	576	431	325	247	199	164
100%	99%	97%	94%	90%	85%	78%	71%	62%	53%	43%	34%	26%	19%	14%	10%	8%	6%	5%	4%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18.6°	30.5°	44.5°	94.9%	88.7%

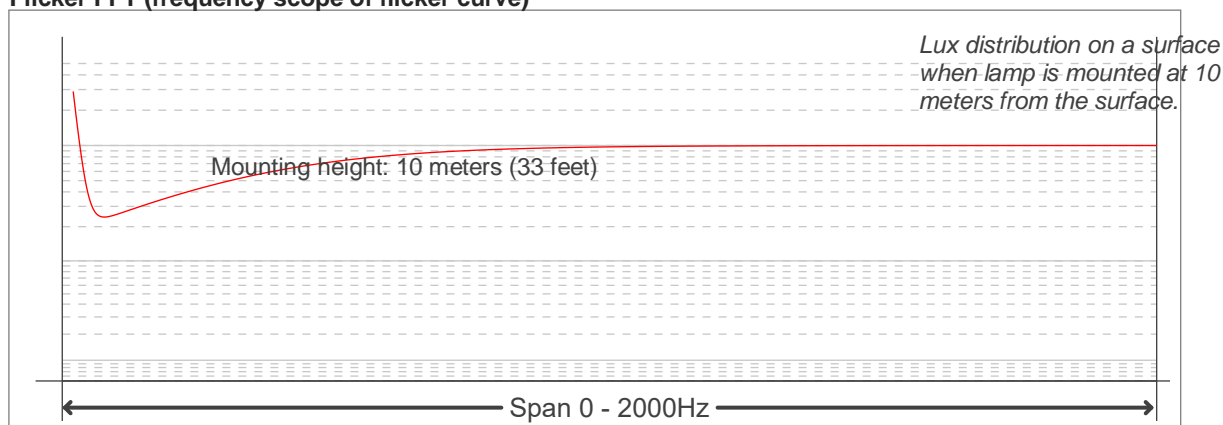
## Flicker

### 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	0.06 %
Flicker percentage:	0.17 %	JA8/10 90Hz	0.07 %
SVM: (Visual flicker)	0	JA8/10 200Hz	0.08 %
PstLM	0.05	JA8/10 400Hz	0.09 %
Mp	0.03	JA8/10 1000Hz	0.13 %

### Flicker conditions:

Sample rate:	20000 samples/second
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