

Light efficiency:

55 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

Output: 825 lm

Peak: 6269 cd

Power: 15.1 W

PF: 0.97



Tracking number: [n/a](#)

Product name:

Dotz Par RGBL

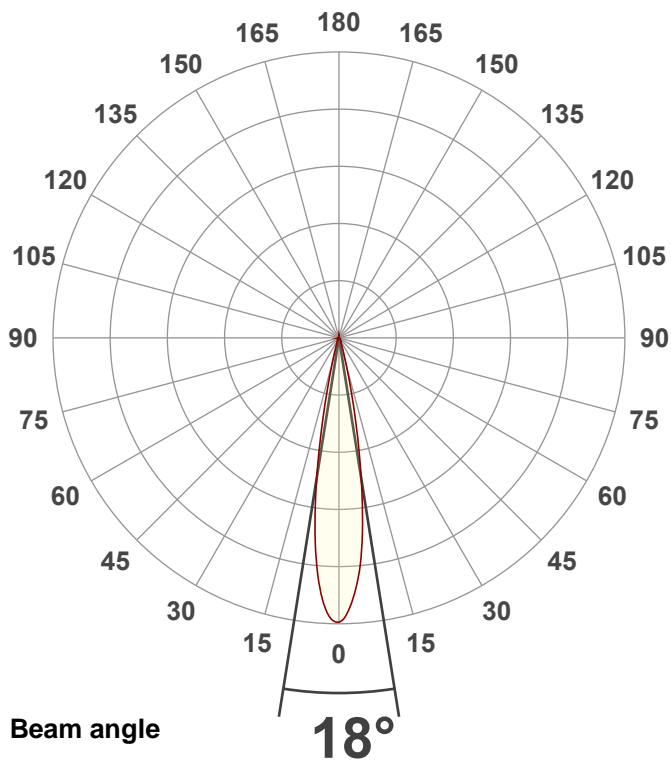
Item number:

Lime

Date and time:

7/11/2024 9:16:30 AM

Description:

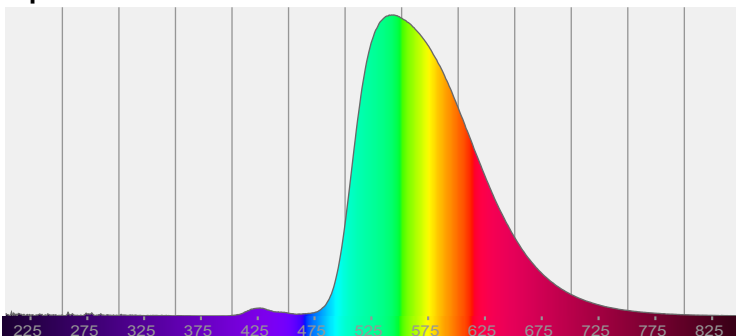


CIE 1931

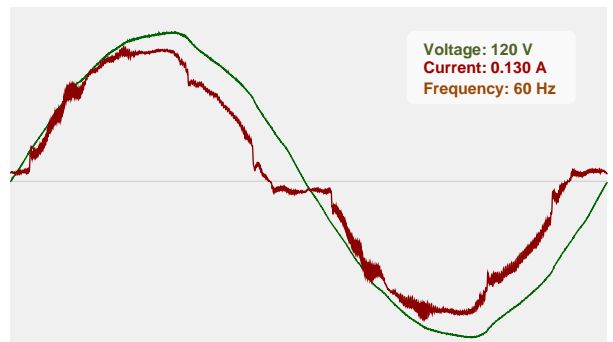
x: 0.415

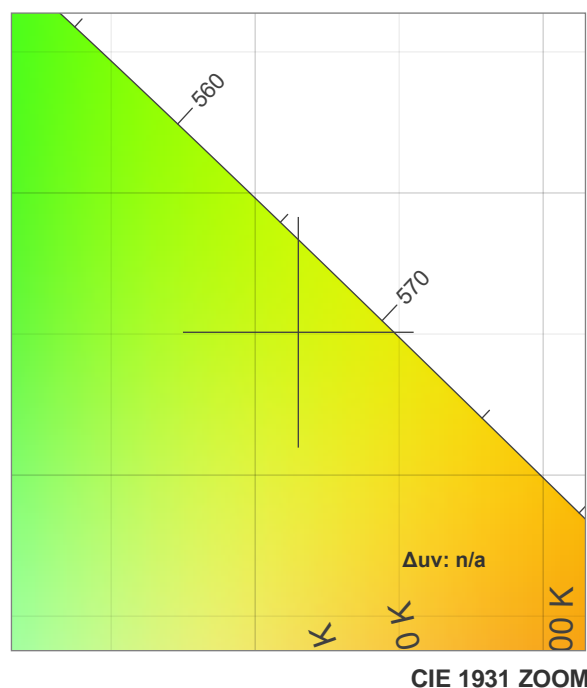
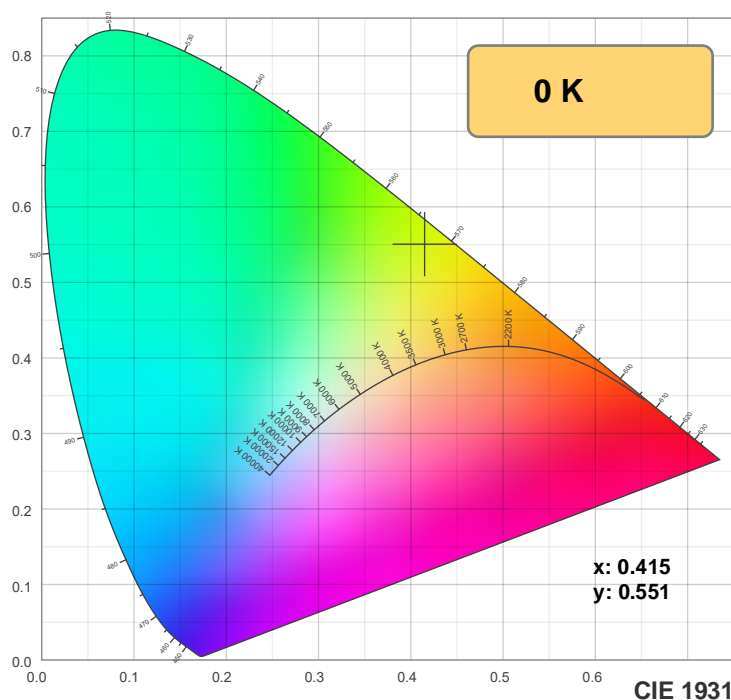
y: 0.551

Spectra

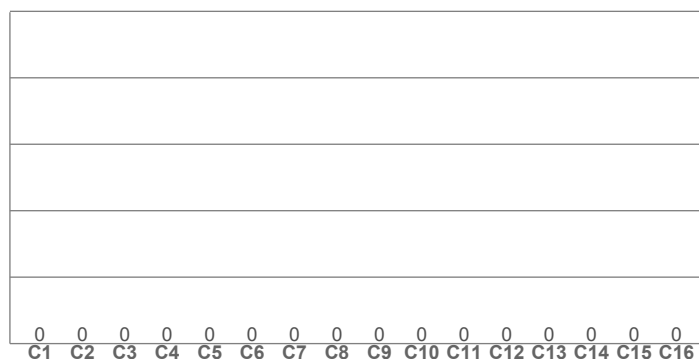


Power

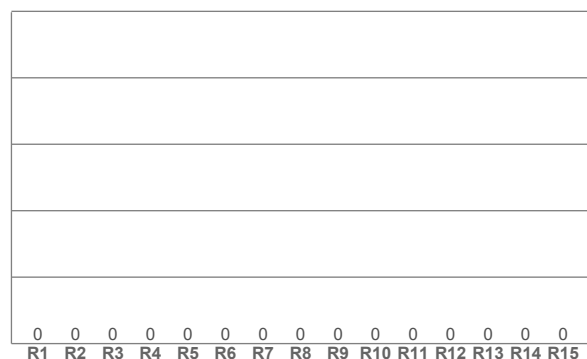




TM-30: 0.0



CRI: 0.0 (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
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

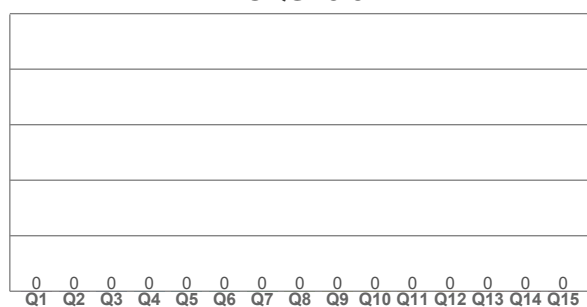
TM30 C values, 16 binned values out of total of 99 C values

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



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	0.415	0.551	0.189	0.376	n/a

TM-30 details

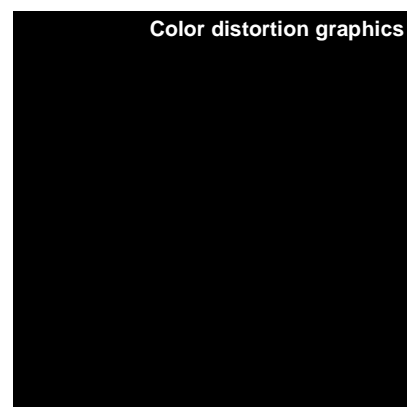
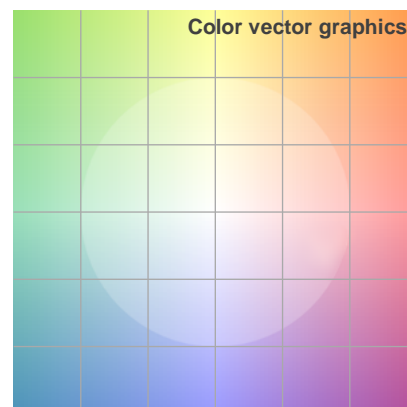
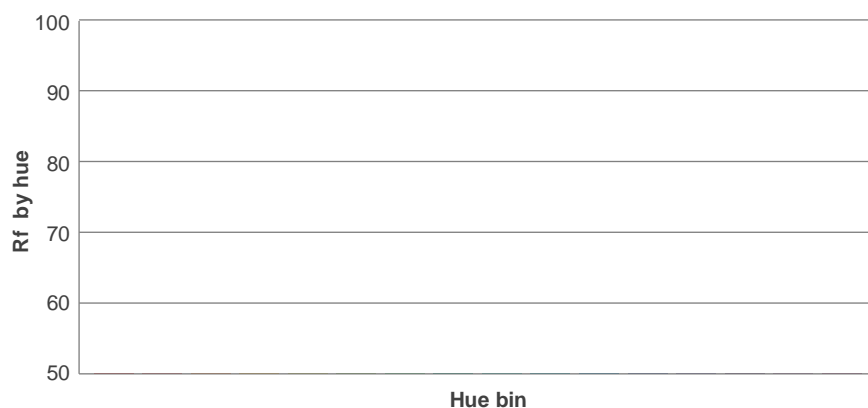
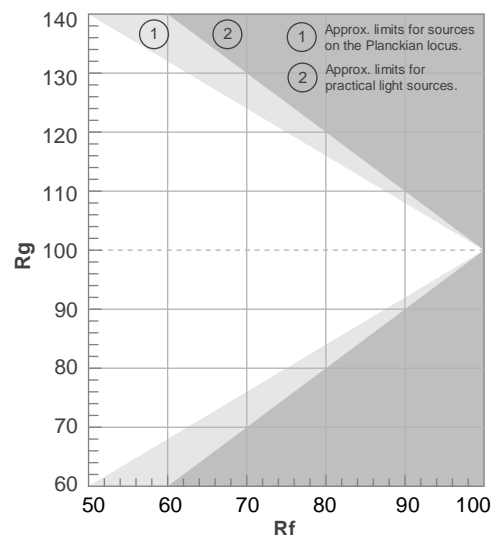
Rf 0.0

Fidelity index Rf

Rg 0.0

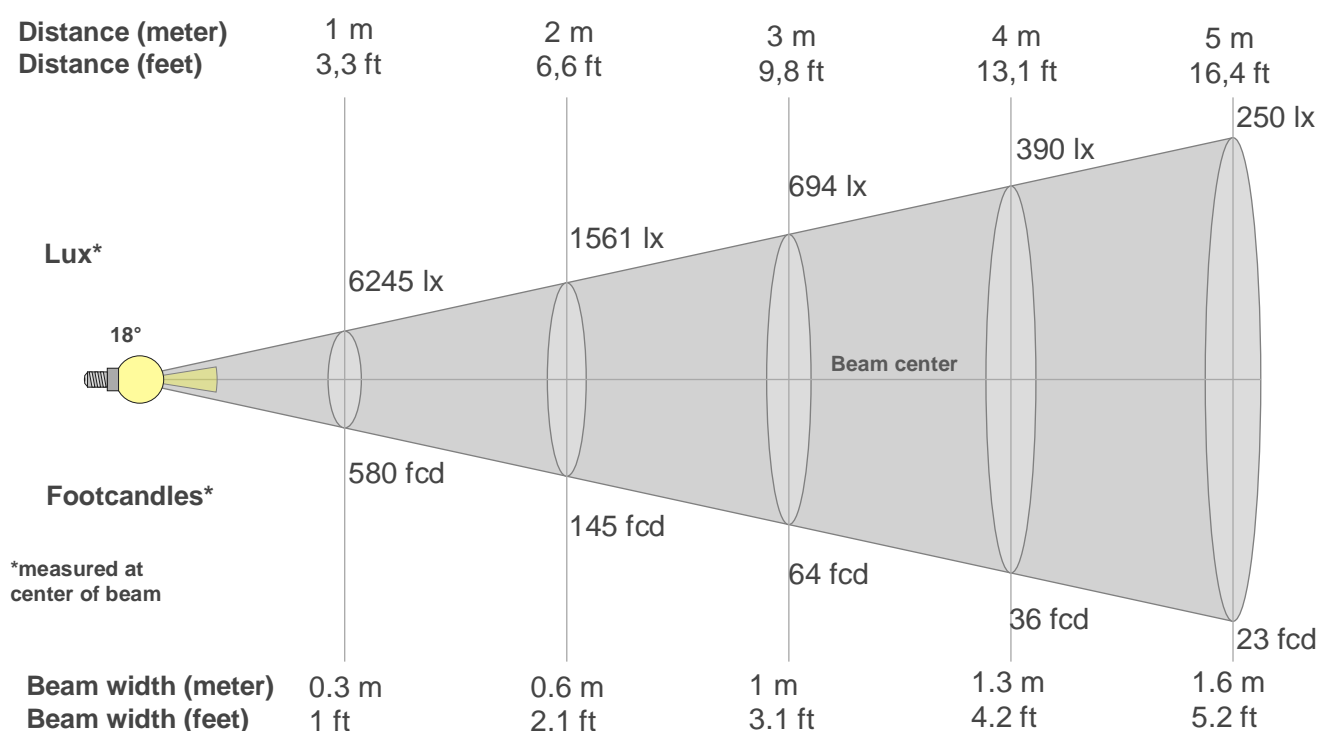
Gamut index Rg

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
6245lx	1561lx	694lx	390lx	250lx	173lx	127lx	98lx	77lx	62lx	52lx	43lx	37lx	32lx	28lx	24lx	22lx	19lx	17lx	16lx
580.1fcd	145fcd	64.5fcd	36.3fcd	23.2fcd	16.1fcd	11.8fcd	9.1fcd	7.2fcd	5.8fcd	4.8fcd	4fcd	3.4fcd	3fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.5fcd

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°
6245	6187	6005	5769	5492	5152	4733	4256	3701	3139	2578	2056	1595	1186	883	655	482	381	307	250
100%	99%	96%	92%	88%	83%	76%	68%	59%	50%	41%	33%	26%	19%	14%	10%	8%	6%	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°
6245	6187	6005	5769	5492	5152	4733	4256	3701	3139	2578	2056	1595	1186	883	655	482	381	307	250
100%	99%	96%	92%	88%	83%	76%	68%	59%	50%	41%	33%	26%	19%	14%	10%	8%	6%	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°
6245	6234	6140	5924	5643	5285	4826	4317	3748	3139	2534	1943	1459	1054	752	563	418	320	260	213
100%	100%	98%	95%	90%	85%	77%	69%	60%	50%	41%	31%	23%	17%	12%	9%	7%	5%	4%	3%

Intensities in 270° c-plane

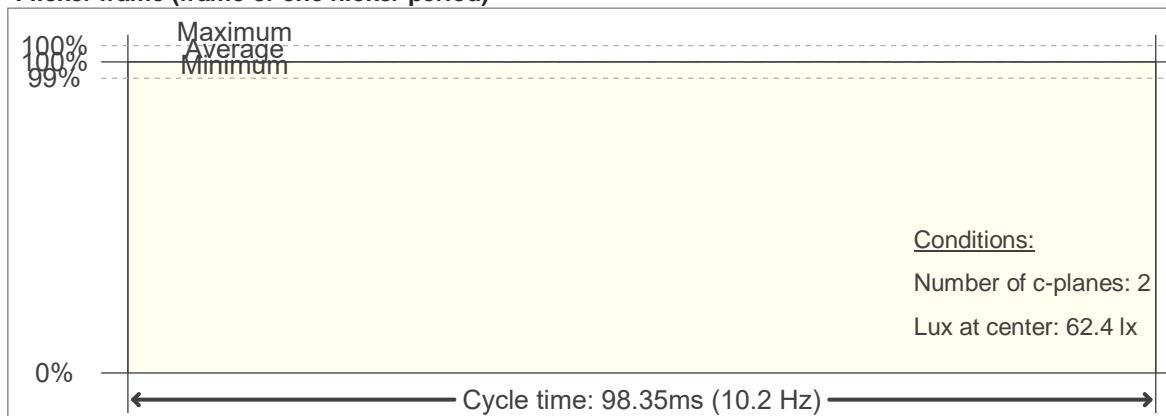
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
6245	6234	6140	5924	5643	5285	4826	4317	3748	3139	2534	1943	1459	1054	752	563	418	320	260	213
100%	100%	98%	95%	90%	85%	77%	69%	60%	50%	41%	31%	23%	17%	12%	9%	7%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
18°	29.8°	42.6°	94.8%	88.7%

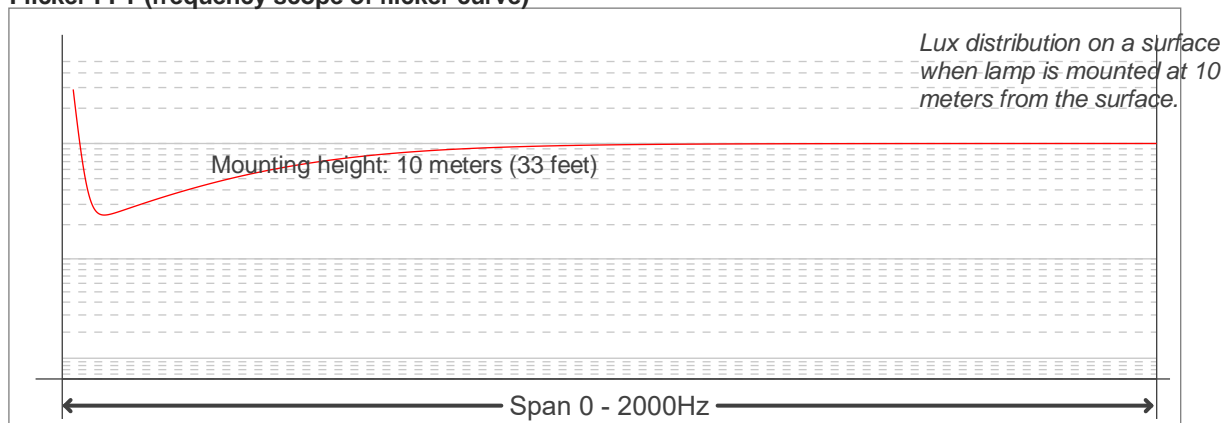
Flicker

Flicker curve (complete sampled flicker signal)

Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		10.17 Hz	
Flicker index:	0	JA8/10 40Hz	0.05 %
Flicker percentage:	0.14 %	JA8/10 90Hz	0.07 %
SVM: (Visual flicker)	0	JA8/10 200Hz	0.09 %
PstLM	0.05	JA8/10 400Hz	0.1 %
Mp	0.03	JA8/10 1000Hz	0.12 %

Flicker conditions:

Sample rate:	20000 samples/second
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