Light efficiency:

33 Lumen/Watt

Light quality:

CRI: 0.0

Color temperature:

0 K

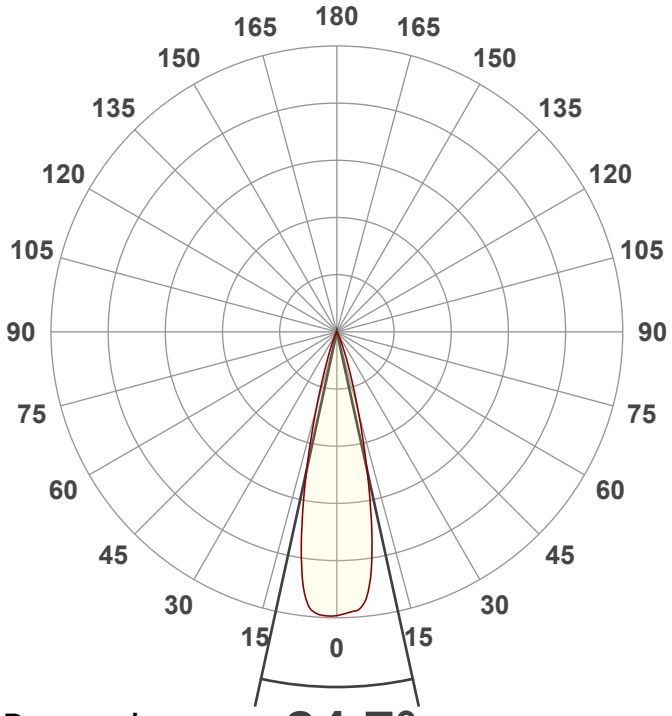
Output: 1632 lm

Peak: 8980 cd

Power: 49.2 W

PF: 0.54





Beam angle 24.7°

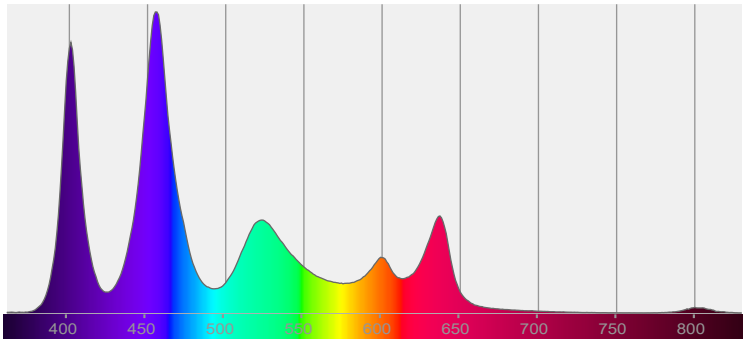
Product name:
LP 12 Hex (Full On)

Item number:
Full On

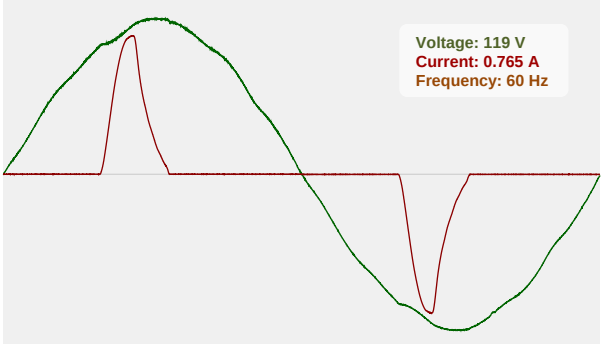
Date and time:
9/12/2019 10:34:01 AM

CIE 1931
x: 0.249
y: 0.223

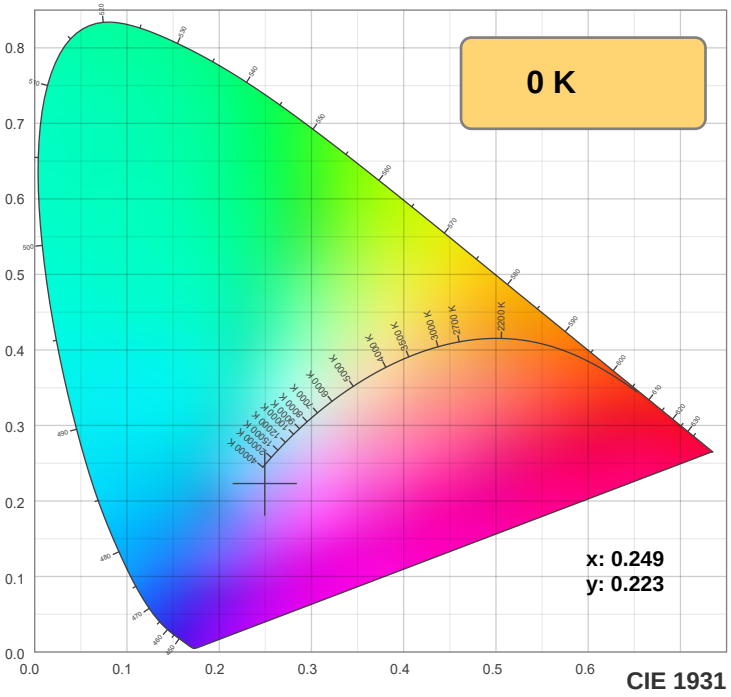
Spectra

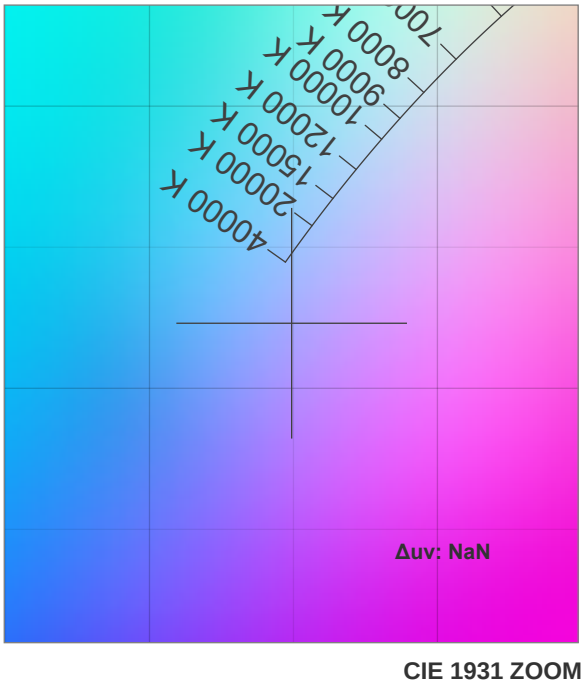


Power

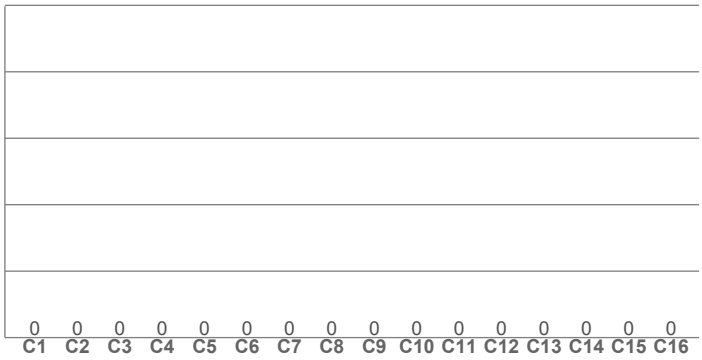


Color details

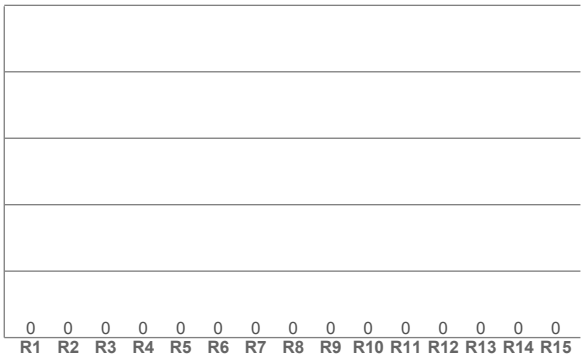




TM-30: 0.0



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

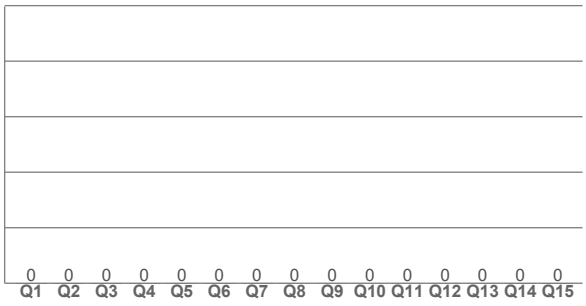
TM30 C values, 16 binned values out of total of 99 C values

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 diviation 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	0.249	0.223	0.193	0.258	NaN

TM-30 details

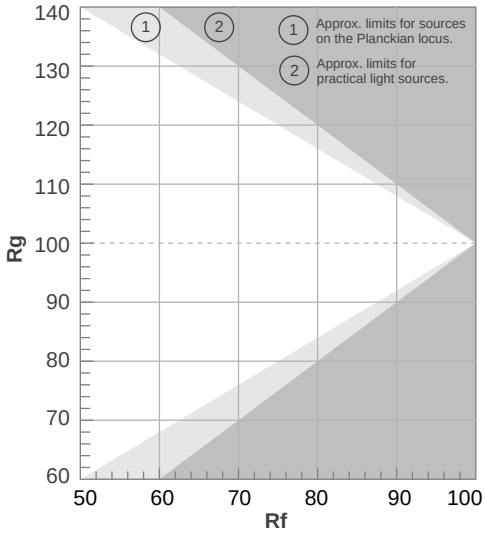
Rf 0.0

Fidelity index Rf

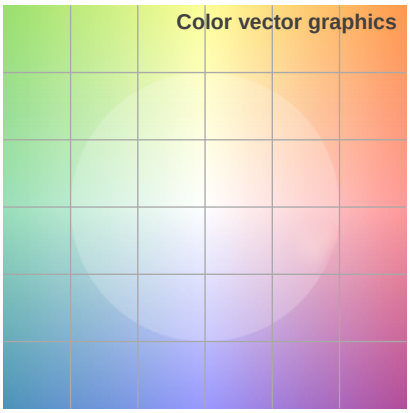
Rg 0.0

Gamut index Rg

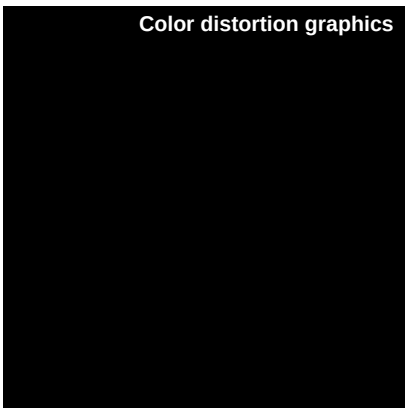
		Shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%

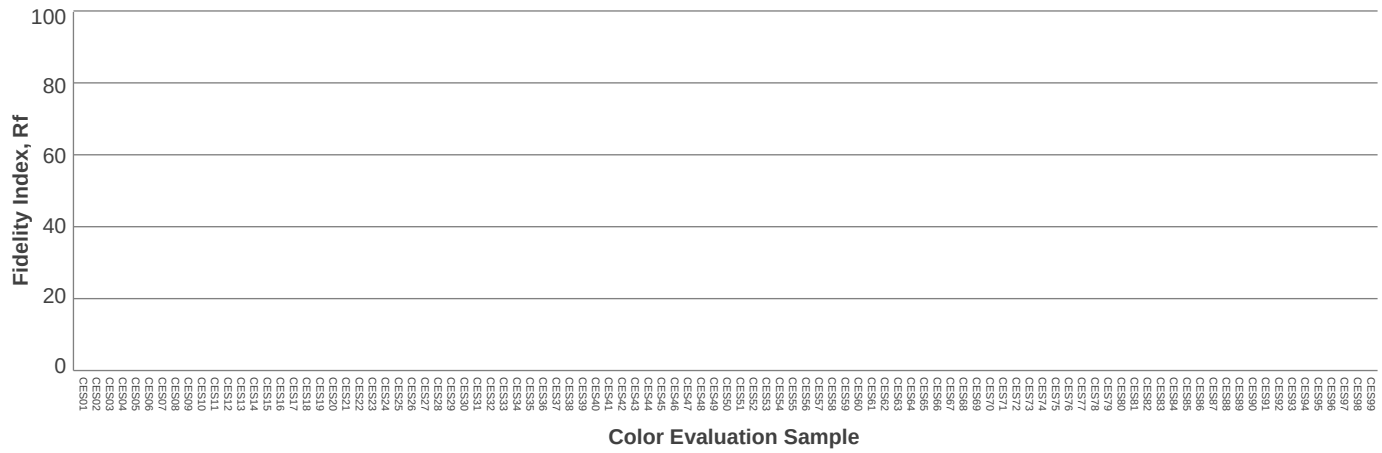




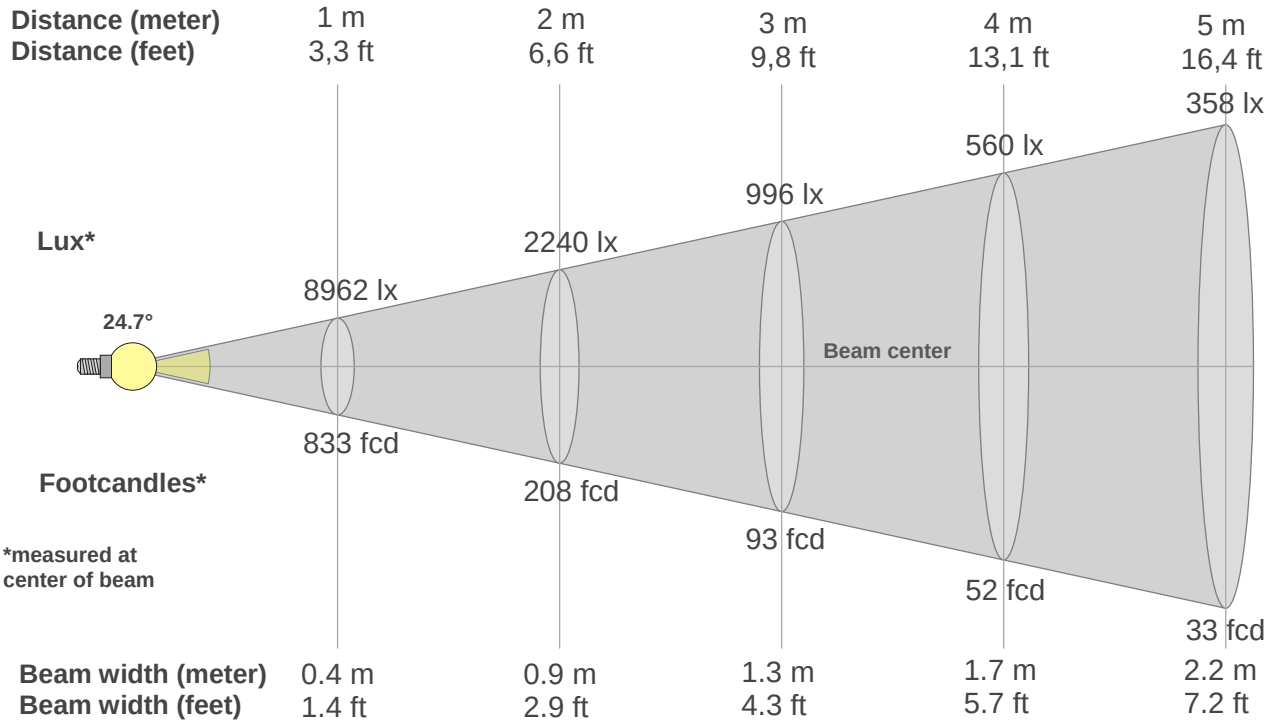








Beam details



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
8962lx	2240lx	996lx	560lx	358lx	249lx	183lx	140lx	111lx	90lx	74lx	62lx	53lx	46lx	40lx	35lx	31lx	28lx	25lx	22lx
832.6fc	208.1fc	92.5fcd	52fcd	33.3fcd	23.1fcd	17fcd	13fcd	10.3fcd	8.3fcd	6.9fcd	5.8fcd	4.9fcd	4.2fcd	3.7fcd	3.3fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd

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°
8962	8932	8894	8856	8814	8720	8517	8169	7710	7059	6357	5544	4745	3983	3288	2652	2142	1671	1339	1034
100%	100%	99%	99%	98%	97%	95%	91%	86%	79%	71%	62%	53%	44%	37%	30%	24%	19%	15%	12%

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°
8962	8932	8894	8856	8814	8720	8517	8169	7710	7059	6357	5544	4745	3983	3288	2652	2142	1671	1339	1034
100%	100%	99%	99%	98%	97%	95%	91%	86%	79%	71%	62%	53%	44%	37%	30%	24%	19%	15%	12%

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°
8962	8979	8977	8958	8928	8817	8665	8291	7813	7150	6396	5583	4764	3952	3217	2538	1977	1523	1151	898
100%	100%	100%	100%	100%	98%	97%	93%	87%	80%	71%	62%	53%	44%	36%	28%	22%	17%	13%	10%

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°
8962	8979	8977	8958	8928	8817	8665	8291	7813	7150	6396	5583	4764	3952	3217	2538	1977	1523	1151	898
100%	100%	100%	100%	100%	98%	97%	93%	87%	80%	71%	62%	53%	44%	36%	28%	22%	17%	13%	10%

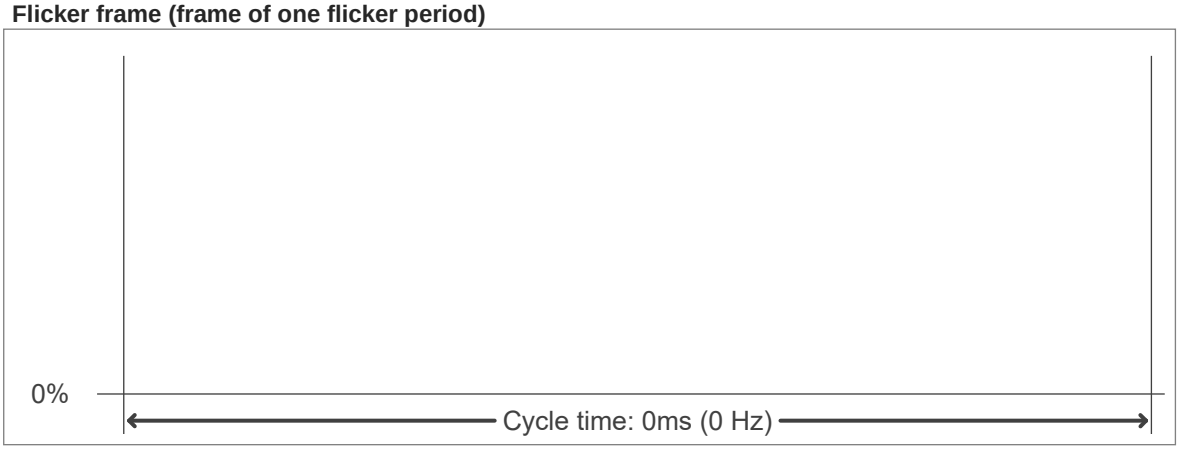
Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
24.7°	**38.6°**	**49.4°**	**100.0%**	**99.9%**

Flicker

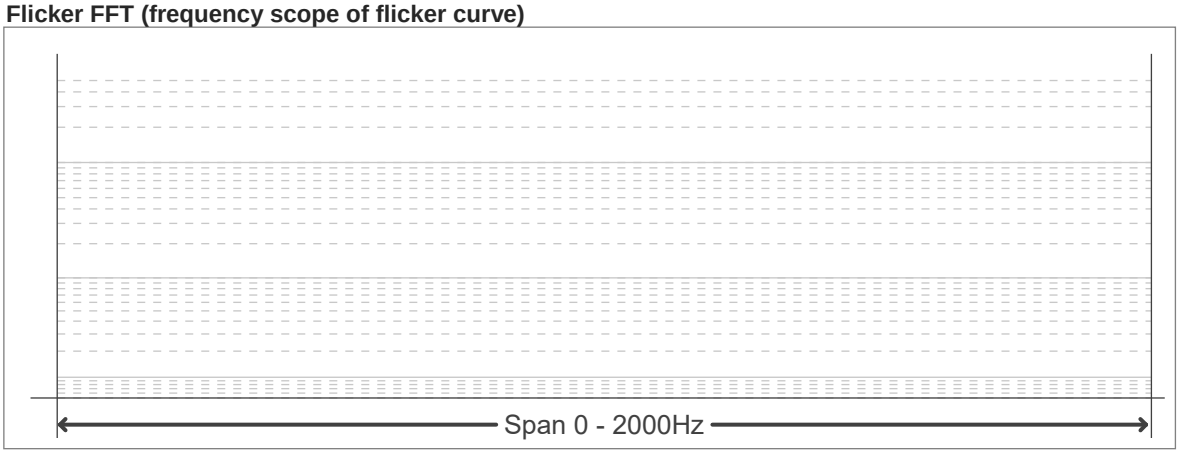
Flicker curve (complete sampled flicker signal)



Flicker frame (frame of one flicker period)



Flicker FFT (frequency scope of flicker curve)



Flicker results:

Flicker frequency:		n/a Hz	
Flicker index:	n/a	JA8/10 40Hz	n/a %
Flicker percentage:	n/a %	JA8/10 90Hz	n/a %
SVM: (Visual flicker)	n/a	JA8/10 200Hz	n/a %
PstLM	n/a	JA8/10 400Hz	n/a %
Mp	n/a	JA8/10 1000Hz	n/a %

Flicker conditions:

Sample rate:	n/a samples/second