

Par Z120 RGBW



Light Efficiency:

35 Lumen/Watt

Light Quality:

CRI: 70.7

Color Temperature:

6363 K

Output: 1234 lm

Peak: 9373 cd

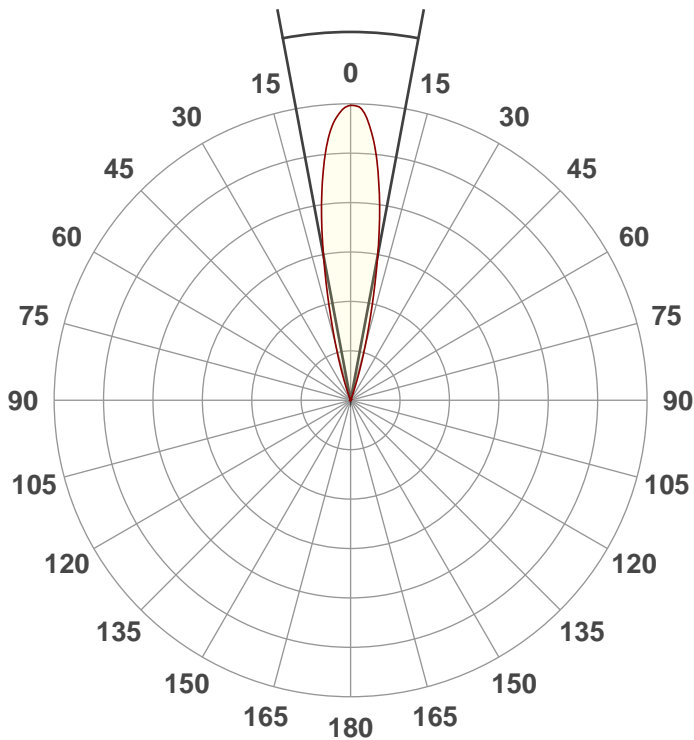
Power: 34.9 W

PF: 0.6



Beam Angle

21.2°



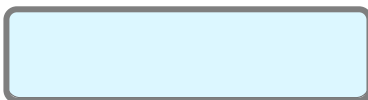
Test:

20.5deg White

Date:

8/16/2018

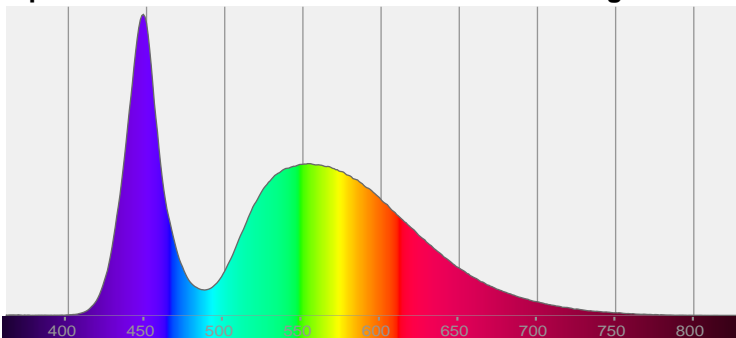
Note:



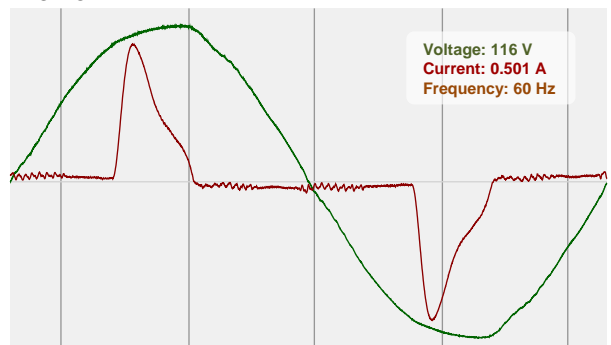
CIE 1931
x: 0.316
y: 0.325

Spectra

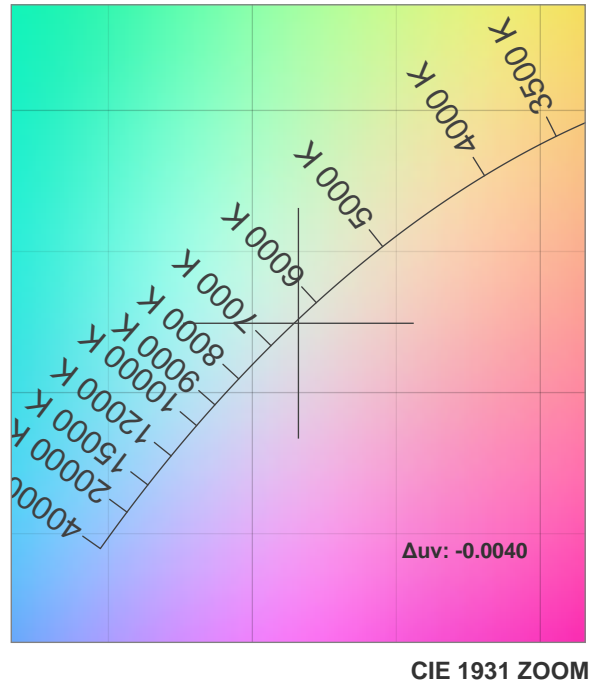
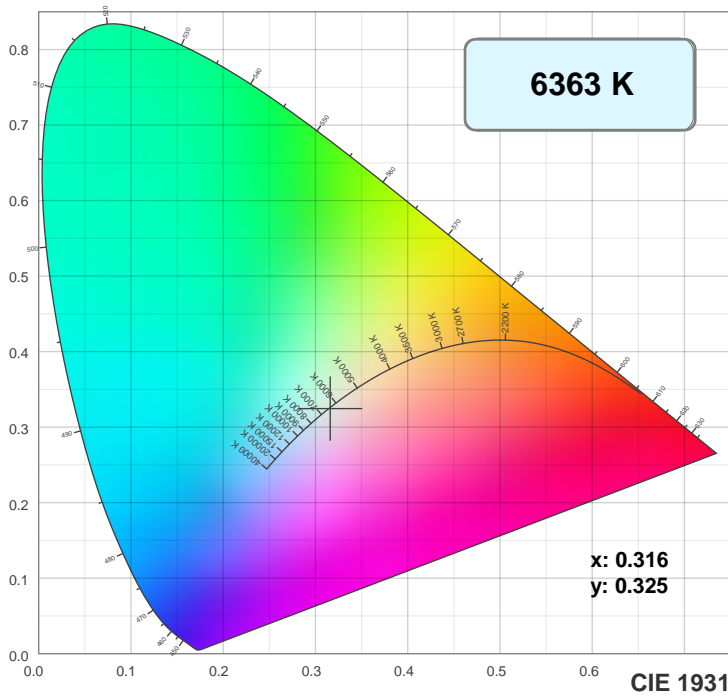
Dominant Wavelength: 829nm



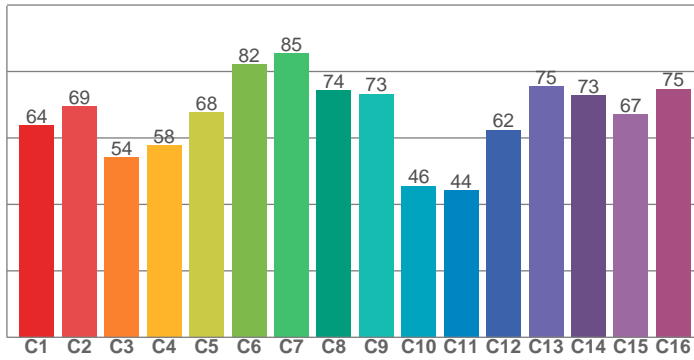
Power



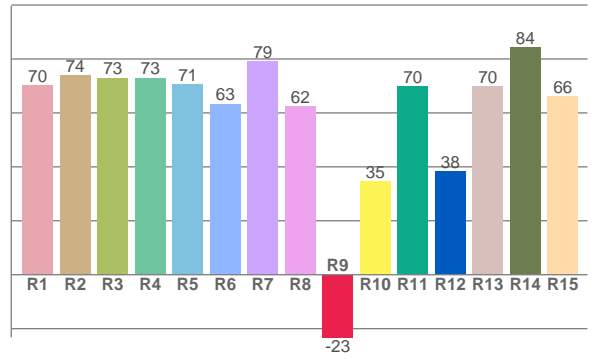
Color Details



TM30: 66.2



CRI: 70.7 (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
70.2	73.8	73.0	73.0	70.6	63.3	79.2	62.4	-23.2	34.7	69.8	38.5	70.0	84.5	66.3

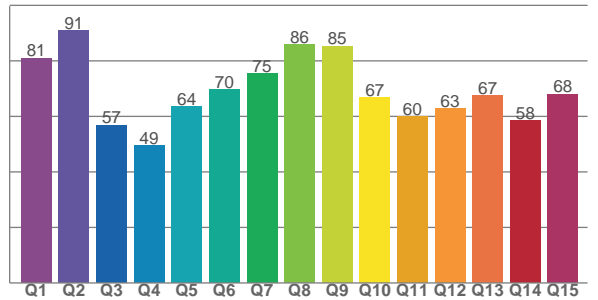
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63.8	69.5	54.1	57.8	67.6	82.1	85.5	74.3	73.2	45.6	44.3	62.4	75.4	72.7	67.0	74.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.0	90.8	56.8	49.4	63.5	69.6	75.5	85.9	85.4	66.7	60.0	62.8	67.4	58.4	68.0

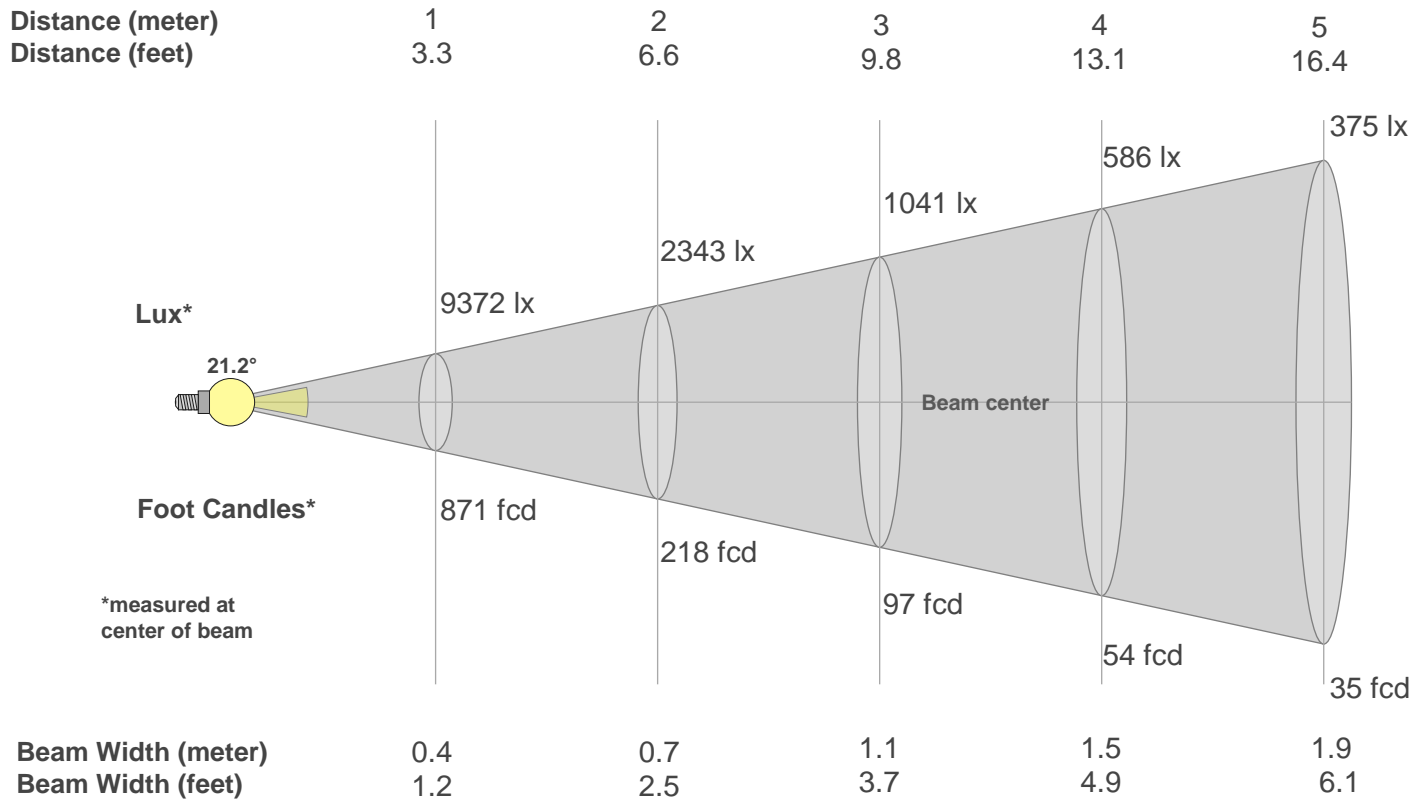
CQS: 67.3



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
6363 K	70.7	-23.2	66.2	94.4	67.3	0.316	0.325	0.202	0.311	-0.0040

Beam Details



Beam Intensities from 1-20m

m	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ft	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
lx	9372	2343	1041	586	375	260	191	146	116	94	77	65	55	48	42	37	32	29	26	23
fcd	870.7	217.7	96.7	54.4	34.8	24.2	17.8	13.6	10.7	8.7	7.2	6	5.2	4.4	3.9	3.4	3	2.7	2.4	2.2

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°
9372	9314	9173	8966	8680	8290	7797	7220	6589	5907	5151	4390	3663	2982	2383	1870	1426	1037	709	460
100%	99%	98%	96%	93%	88%	83%	77%	70%	63%	55%	47%	39%	32%	25%	20%	15%	11%	8%	5%

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°
9372	9314	9173	8966	8680	8290	7797	7220	6589	5907	5151	4390	3663	2982	2383	1870	1426	1037	709	460
100%	99%	98%	96%	93%	88%	83%	77%	70%	63%	55%	47%	39%	32%	25%	20%	15%	11%	8%	5%

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°
9372	9361	9291	9075	8725	8310	7807	7211	6573	5886	5145	4392	3651	2968	2335	1807	1339	931	602	367
100%	100%	99%	97%	93%	89%	83%	77%	70%	63%	55%	47%	39%	32%	25%	19%	14%	10%	6%	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°
9372	9361	9291	9075	8725	8310	7807	7211	6573	5886	5145	4392	3651	2968	2335	1807	1339	931	602	367
100%	100%	99%	97%	93%	89%	83%	77%	70%	63%	55%	47%	39%	32%	25%	19%	14%	10%	6%	4%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
21.2°	34.3°	40.3°	100.0%	100.0%