

Vizi Beam 12RX



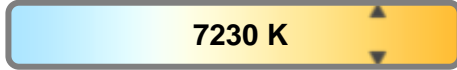
Light Efficiency:



Light Quality:



Color Temperature:



Output: 4219 lm

Peak: 835576 cd

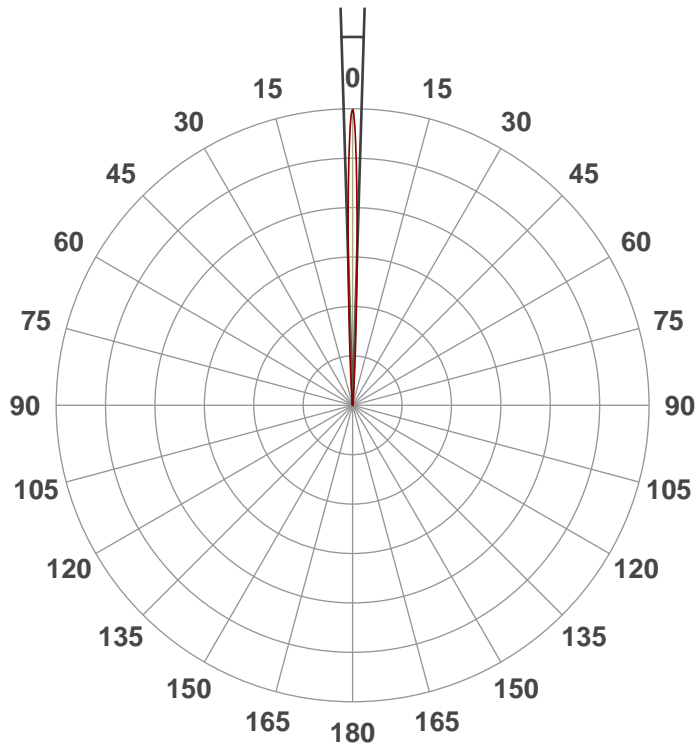
Power: 337 W

PF: 1.0



Beam Angle

3.5°



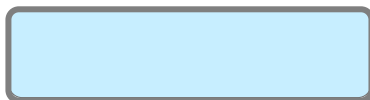
Test:

Frost

Date:

2/6/2020

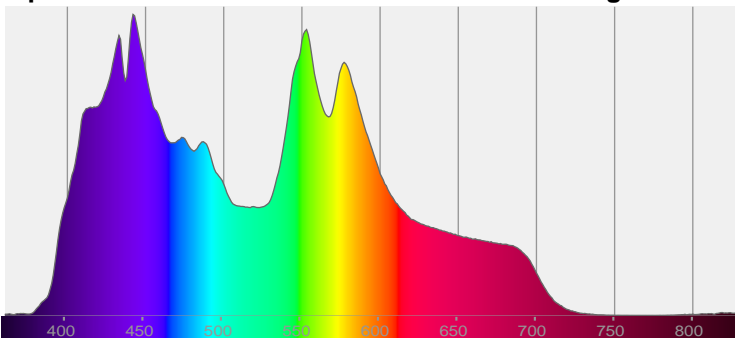
Note:



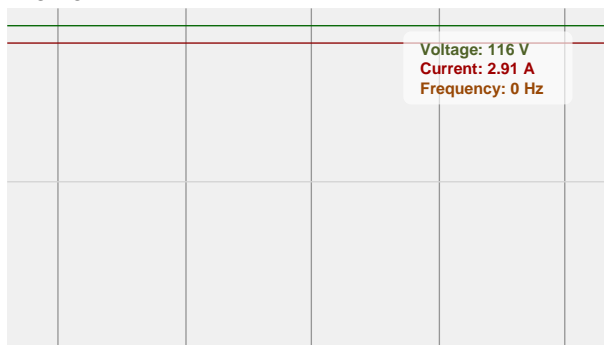
CIE 1931
x: 0.304
y: 0.312

Spectra

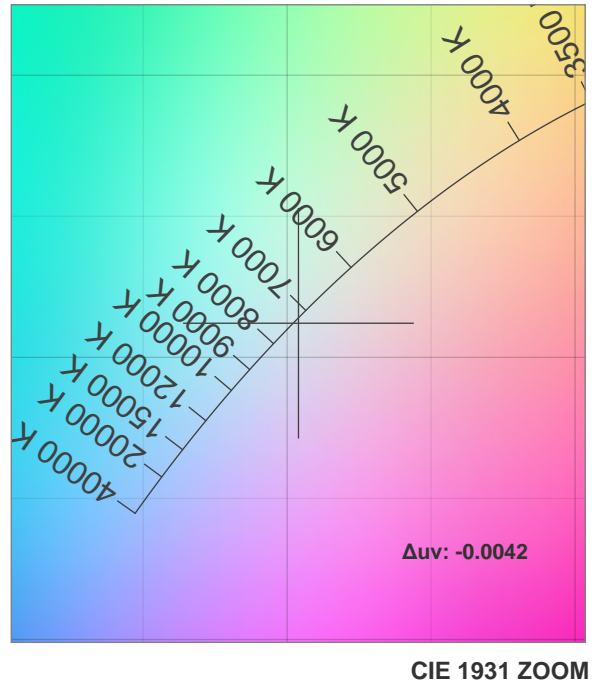
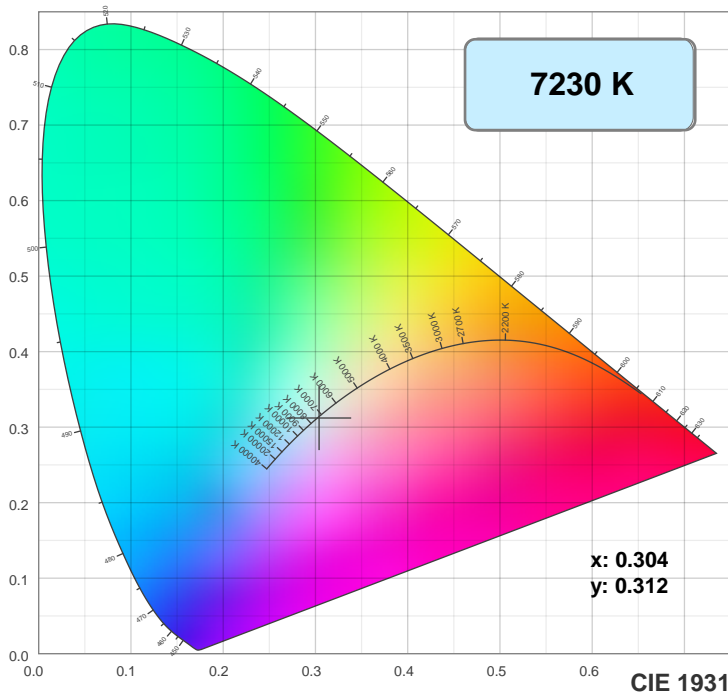
Dominant Wavelength: 453nm



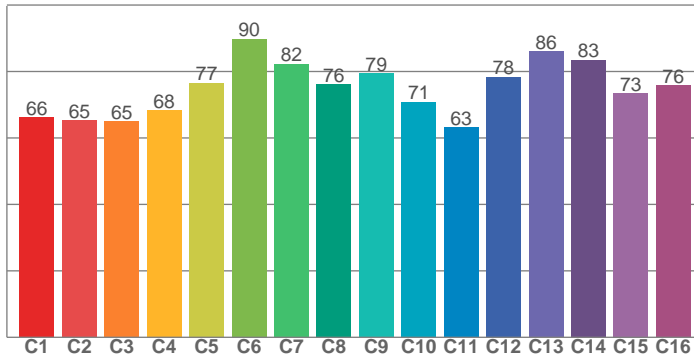
Power



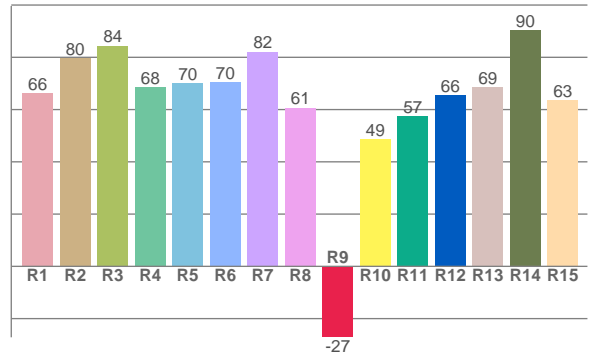
Color Details



TM30: 75.0



CRI: 72.7 (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
66.1	79.6	84.4	68.4	70.2	70.4	82.1	60.7	-27.2	48.5	57.4	65.5	68.6	90.4	63.4

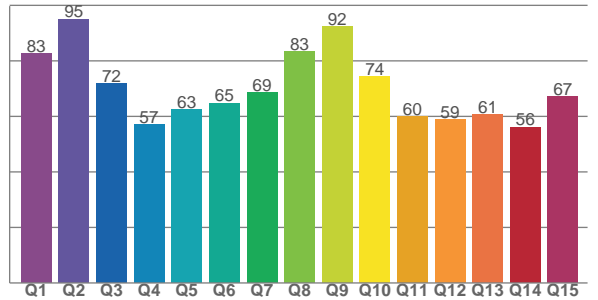
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66.2	65.3	64.9	68.4	76.6	89.7	82.3	76.2	79.3	70.8	63.1	78.3	86.0	83.4	73.5	75.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.5	95.1	71.8	57.1	62.5	64.8	68.6	83.2	92.3	74.3	59.9	58.7	60.6	56.1	67.2

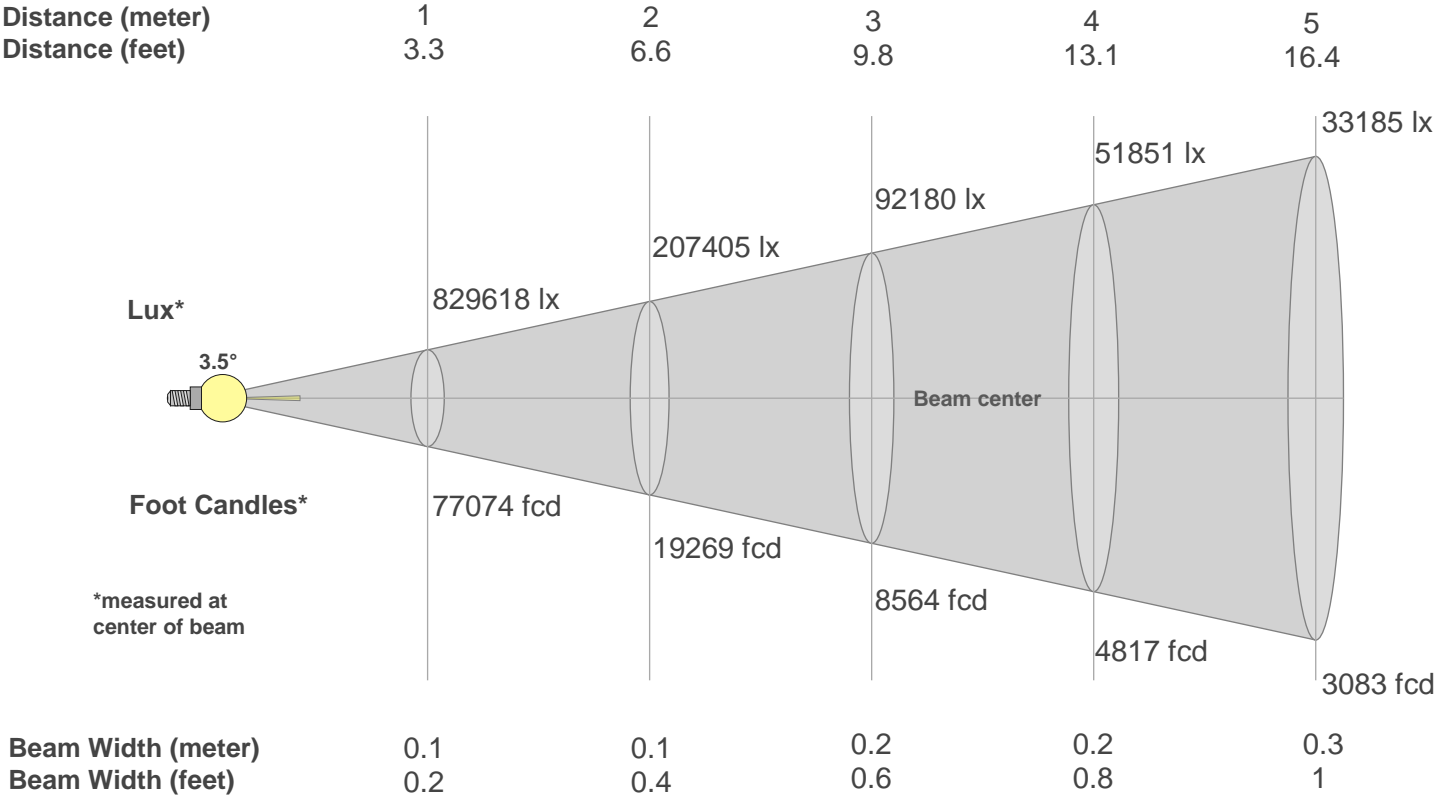
CQS: 67.9



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
7230 K	72.7	-27.2	75.0	89.9	67.9	0.304	0.312	0.198	0.305	-0.0042

Beam Details



Lux*

3.5°

Foot Candles*

*measured at center of beam

829618 lx

207405 lx

92180 lx

51851 lx

33185 lx

77074 fcd

19269 fcd

8564 fcd

4817 fcd

3083 fcd

Beam center

Beam Width (meter)

Beam Width (feet)

0.1

0.2

0.1

0.4

0.2

0.6

0.2

0.8

0.3

1

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	829618	207405	92180	51851	33185	23045	16931	12963	10242	8296	6856	5761	4909	4233	3687	3241	2871	2561	2298	2074
fcd	77074.1	19268.5	8563.8	4817.1	3083	2140.9	1572.9	1204.3	951.5	770.7	637	535.2	456.1	393.2	342.6	301.1	266.7	237.9	213.5	192.7

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°	
830K	654K	339K	139K	54K	21K	8K	2K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	79%	41%	17%	7%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
830K	654K	339K	139K	54K	21K	8K	2K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	79%	41%	17%	7%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
830K	644K	340K	141K	55K	21K	8K	2K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	78%	41%	17%	7%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
830K	644K	340K	141K	55K	21K	8K	2K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	78%	41%	17%	7%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
3.5°	7.1°	10°	99.9%	99.9%