

18P Hex IP



Light Efficiency:

57 Lumen/Watt

Light Quality:

CRI: 72.4

Color Temperature:

6842 K

Output: 1639 lm

Peak: 7875 cd

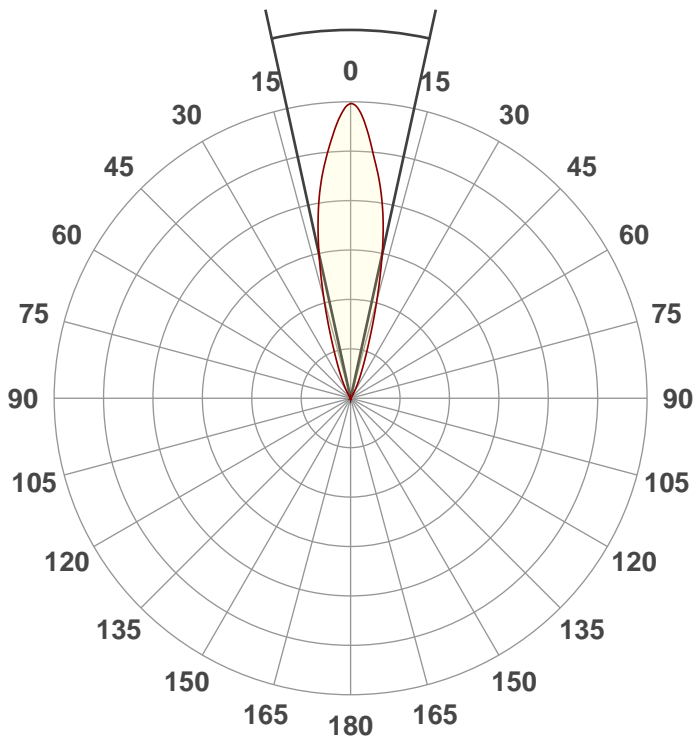
Power: 28.8 W

PF: 0.95



Beam Angle

24.7°



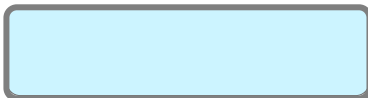
Test:

White

Date:

6/5/2018

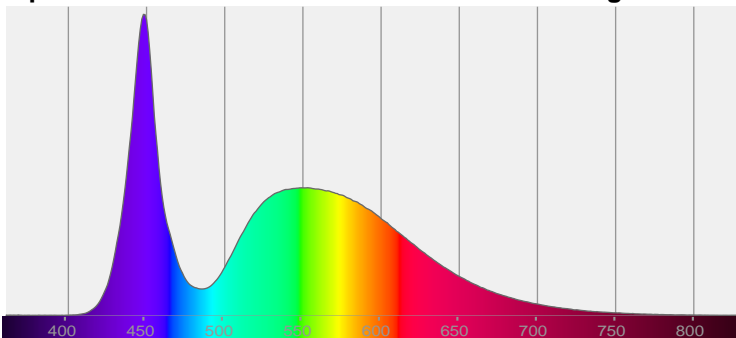
Note:



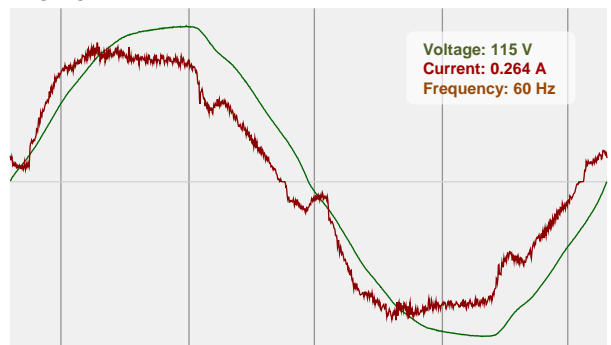
CIE 1931
x: 0.308
y: 0.320

Spectra

Dominant Wavelength: 445nm

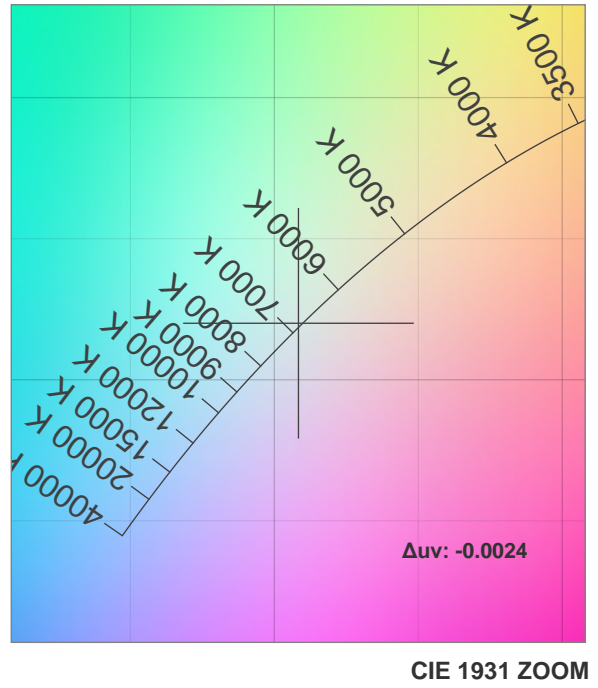
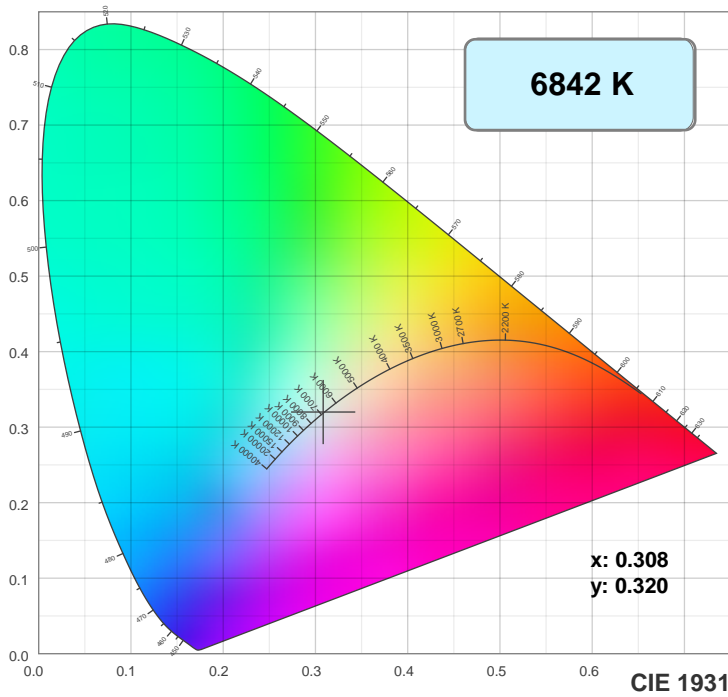


Power

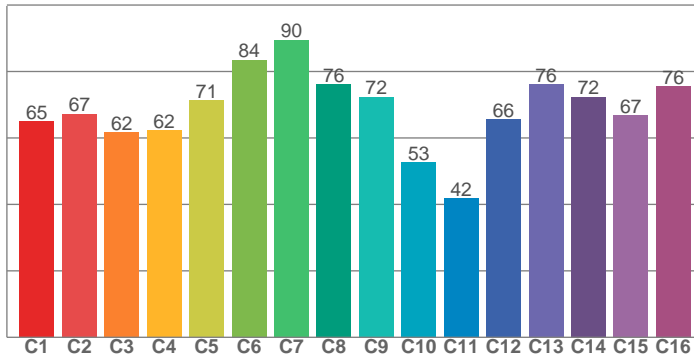


Voltage: 115 V
Current: 0.264 A
Frequency: 60 Hz

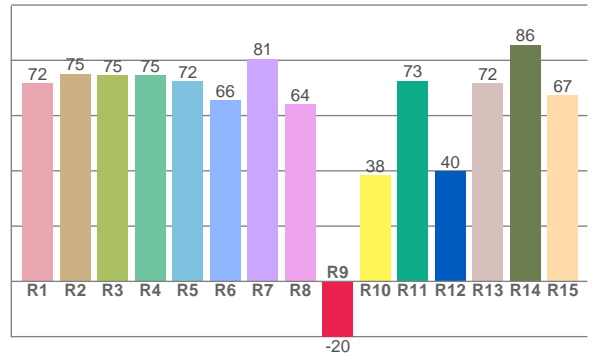
Color Details



TM30: 68.5



CRI: 72.4 (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
71.7	75.1	74.7	74.7	72.5	65.6	80.6	64.2	-20.2	38.5	72.6	40.0	71.7	85.7	67.4

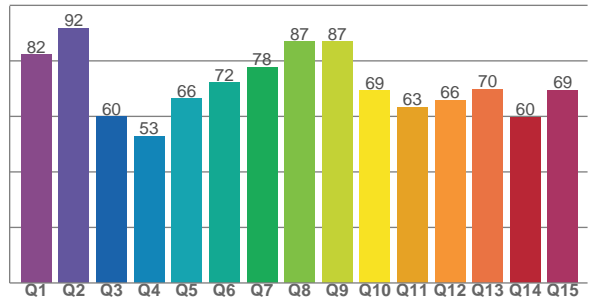
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.0	67.3	61.7	62.2	71.3	83.5	89.5	76.1	72.4	52.7	41.8	65.6	76.1	72.3	66.8	75.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.3	91.8	59.9	52.9	66.5	72.3	77.7	86.9	86.9	69.4	63.4	65.8	69.7	59.8	69.4

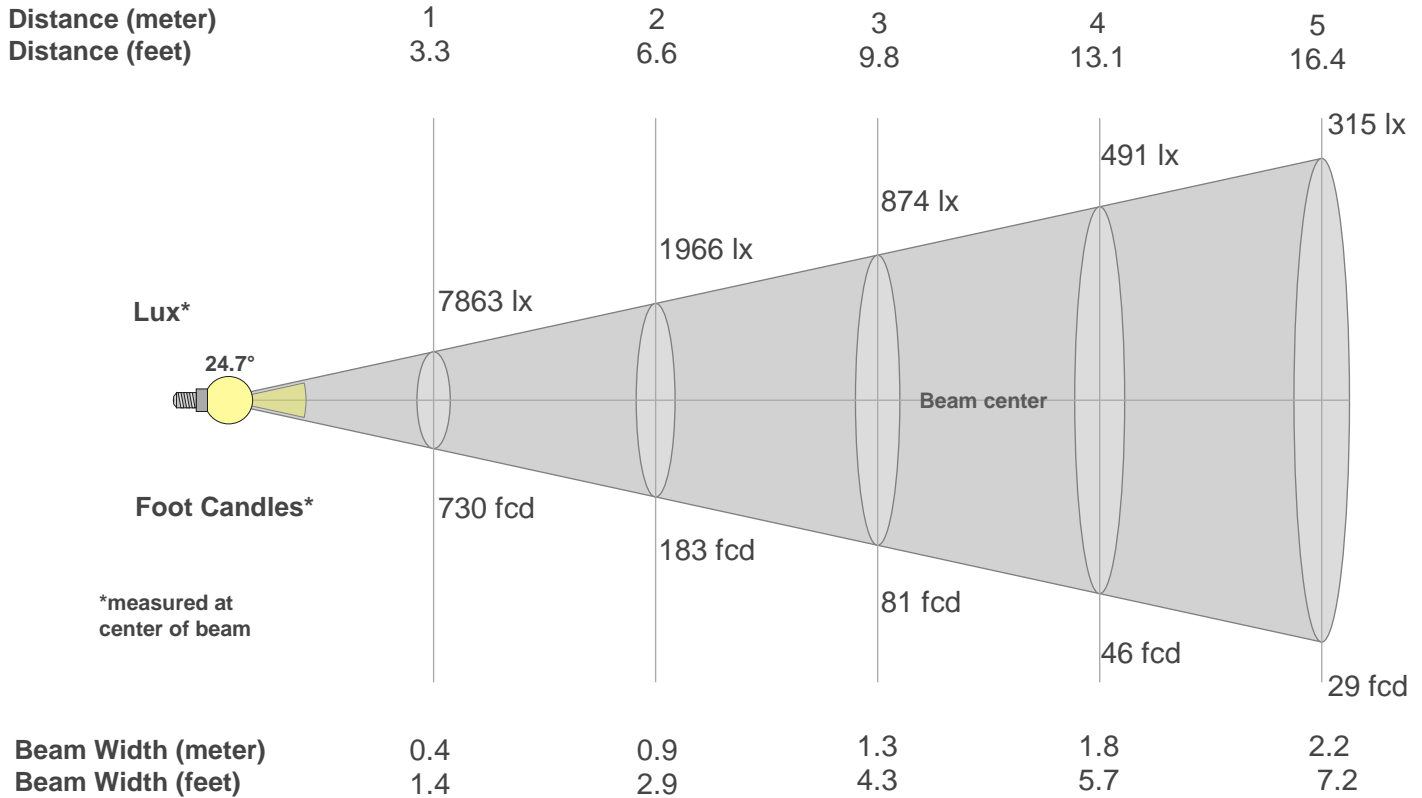
CQS: 69.6



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
6842 K	72.4	-20.2	68.5	95.0	69.6	0.308	0.320	0.198	0.309	-0.0024

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	7863	1966	874	491	315	218	160	123	97	79	65	55	47	40	35	31	27	24	22	20
fcd	730.5	182.6	81.2	45.7	29.2	20.3	14.9	11.4	9	7.3	6	5.1	4.3	3.7	3.2	2.9	2.5	2.3	2	1.8

Intensities in 0° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7863	7570	7006	6398	5752	4983	4105	3192	2353	1667	1173	843	606	419	278	177	109	67	50	38
100%	96%	89%	81%	73%	63%	52%	41%	30%	21%	15%	11%	8%	5%	4%	2%	1%	1%	1%	0%

Intensities in 90° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7863	7570	7006	6398	5752	4983	4105	3192	2353	1667	1173	843	606	419	278	177	109	67	50	38
100%	96%	89%	81%	73%	63%	52%	41%	30%	21%	15%	11%	8%	5%	4%	2%	1%	1%	1%	0%

Intensities in 180° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7863	7627	7015	6332	5697	4970	4108	3169	2304	1613	1137	814	586	412	274	177	108	69	51	36
100%	97%	89%	81%	72%	63%	52%	40%	29%	21%	14%	10%	7%	5%	3%	2%	1%	1%	1%	0%

Intensities in 270° C-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
7863	7627	7015	6332	5697	4970	4108	3169	2304	1613	1137	814	586	412	274	177	108	69	51	36
100%	97%	89%	81%	72%	63%	52%	40%	29%	21%	14%	10%	7%	5%	3%	2%	1%	1%	1%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24.7°	44.6°	59.1°	99.8%	99.2%