

ELEMENT H IP



Light Efficiency:

29 Lumen/Watt

Light Quality:

CRI: 65.8

Color Temperature:

6204 K

Output: 293 lm

Peak: 2182 cd

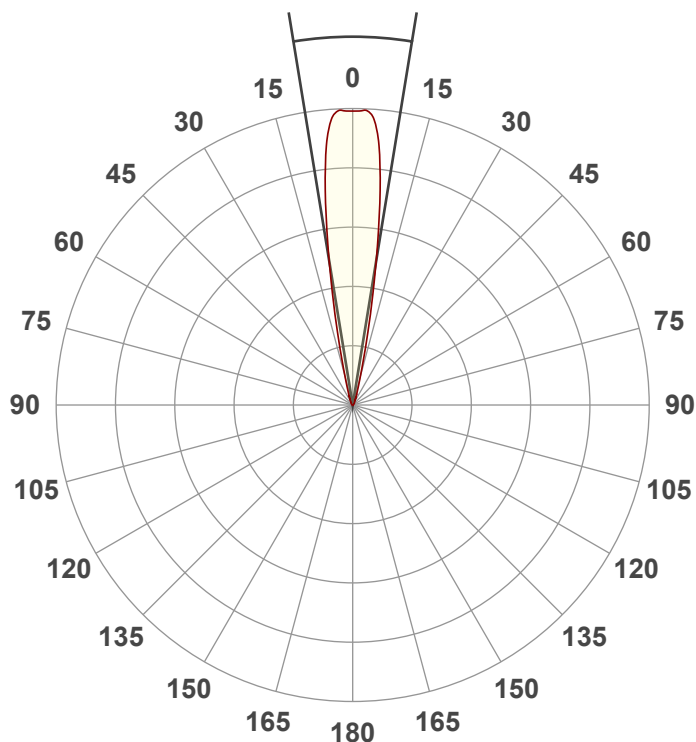
Power: 10.0 W

PF: 0.62



Beam Angle

18.5°



Test:

White

Date:

5/9/2023

Note:

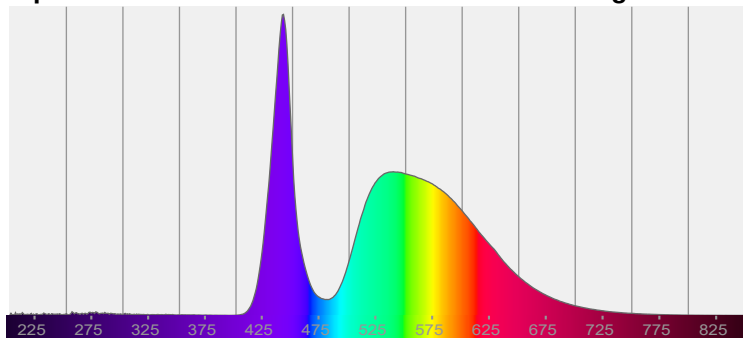
CIE 1931

x: 0.317

y: 0.342

Spectra

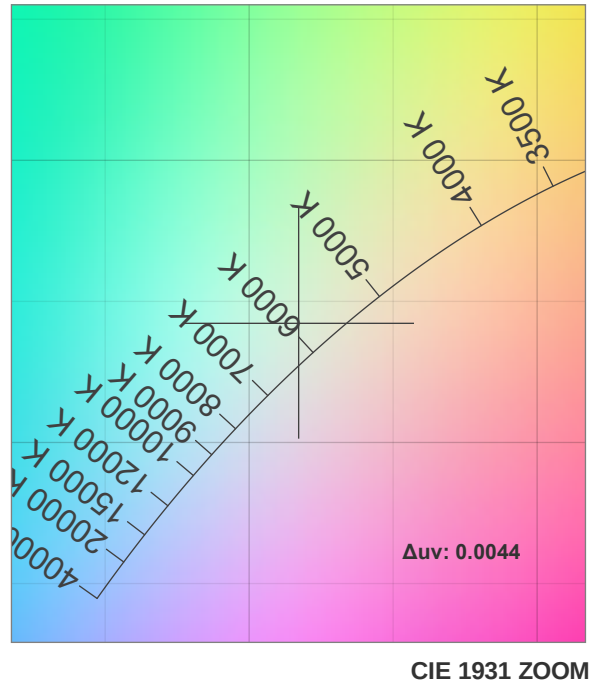
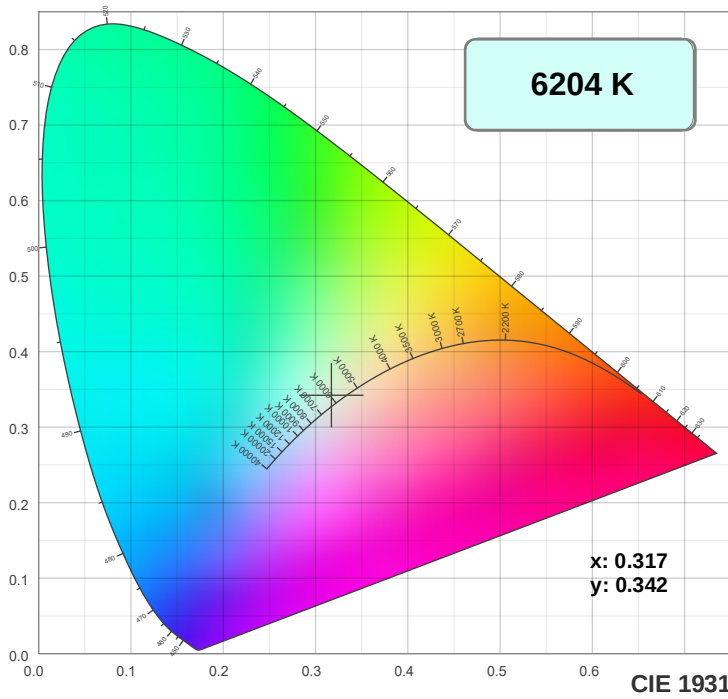
Dominant Wavelength: 564nm



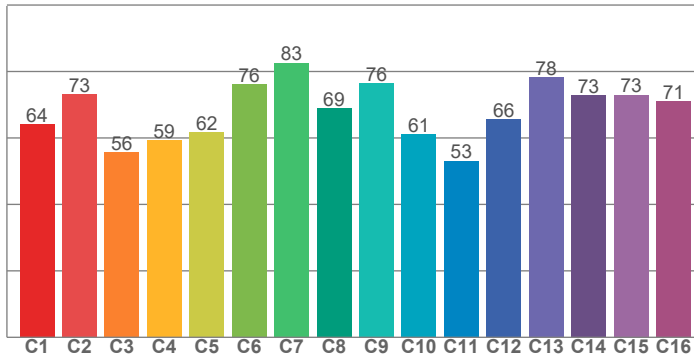
Power

Voltage: 118 V
Current: 0.085 A
Frequency: 0 Hz

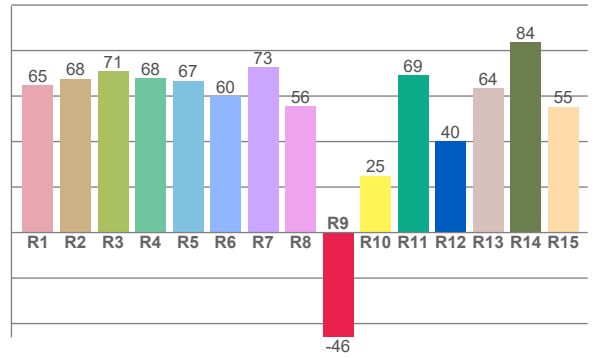
Color Details



TM30: 67.4



CRI: 65.8 (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
64.7	67.6	71.0	67.9	66.8	60.0	72.6	55.6	-46.0	25.0	69.3	40.1	63.5	83.7	55.3

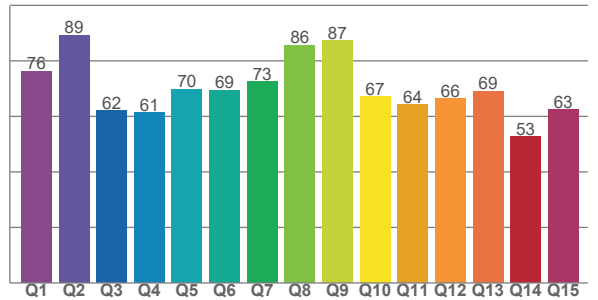
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.1	73.1	55.7	59.3	61.7	76.1	82.6	68.8	76.5	61.0	53.1	65.5	78.2	72.7	73.0	70.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	89.3	62.1	61.3	69.8	69.4	72.6	85.6	87.2	67.1	64.1	66.4	69.2	52.6	62.5

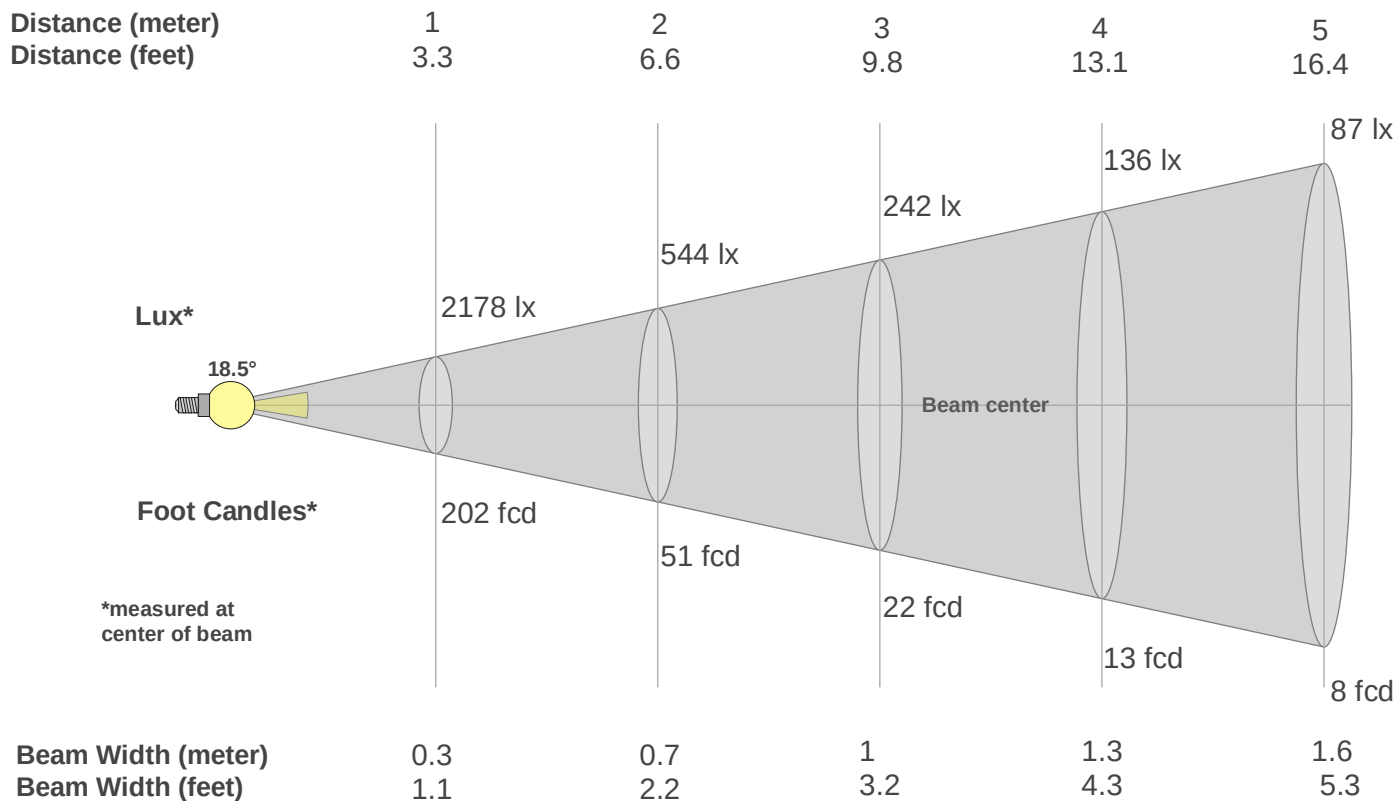
CQS: 68.7



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
6204 K	65.8	-46.0	67.4	95.2	68.7	0.317	0.342	0.196	0.317	0.0044

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	2178	544	242	136	87	60	44	34	27	22	18	15	13	11	10	9	8	7	6	5
fcd	202.3	50.6	22.5	12.6	8.1	5.6	4.1	3.2	2.5	2	1.7	1.4	1.2	1	0.9	0.8	0.7	0.6	0.6	0.5

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°
2178	2178	2180	2173	2132	2030	1885	1665	1414	1154	910	702	523	389	293	221	178	145	120	101
100%	100%	100%	100%	98%	93%	87%	76%	65%	53%	42%	32%	24%	18%	13%	10%	8%	7%	5%	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°
2178	2178	2180	2173	2132	2030	1885	1665	1414	1154	910	702	523	389	293	221	178	145	120	101
100%	100%	100%	100%	98%	93%	87%	76%	65%	53%	42%	32%	24%	18%	13%	10%	8%	7%	5%	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°
2178	2178	2180	2173	2132	2030	1885	1665	1414	1154	910	702	523	389	293	221	178	145	120	101
100%	100%	100%	100%	98%	93%	87%	76%	65%	53%	42%	32%	24%	18%	13%	10%	8%	7%	5%	5%

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°
2178	2178	2180	2173	2132	2030	1885	1665	1414	1154	910	702	523	389	293	221	178	145	120	101
100%	100%	100%	100%	98%	93%	87%	76%	65%	53%	42%	32%	24%	18%	13%	10%	8%	7%	5%	5%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
18.5°	30.1°	46.8°	99.5%	94.9%