

UBL12H



Light Efficiency:

19 Lumen/Watt

Light Quality:

CRI: -18.3

Color Temperature:

1362 K

Output: 688 lm

Peak: 5575 cd

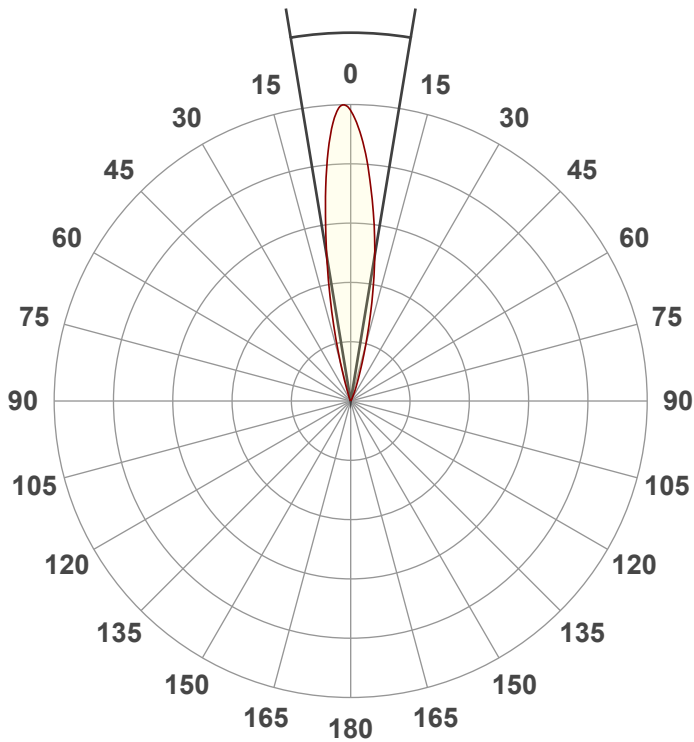
Power: 35.9 W

PF: 0.59



Beam Angle

18.8°



Test:

Amber

Date:

2/5/2024

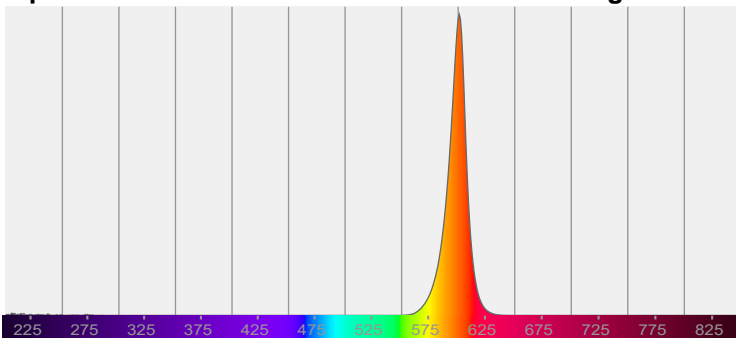
Note:



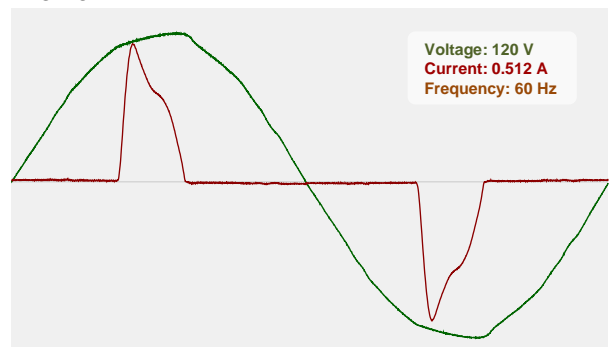
CIE 1931
x: 0.610
y: 0.389

Spectra

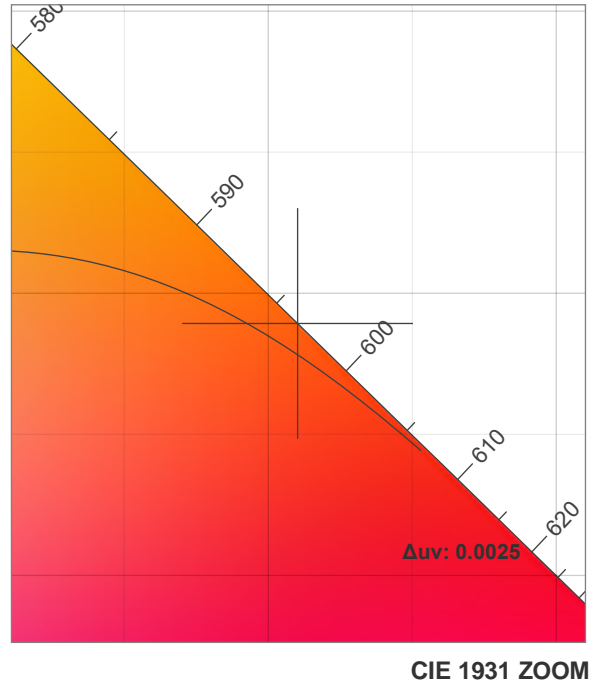
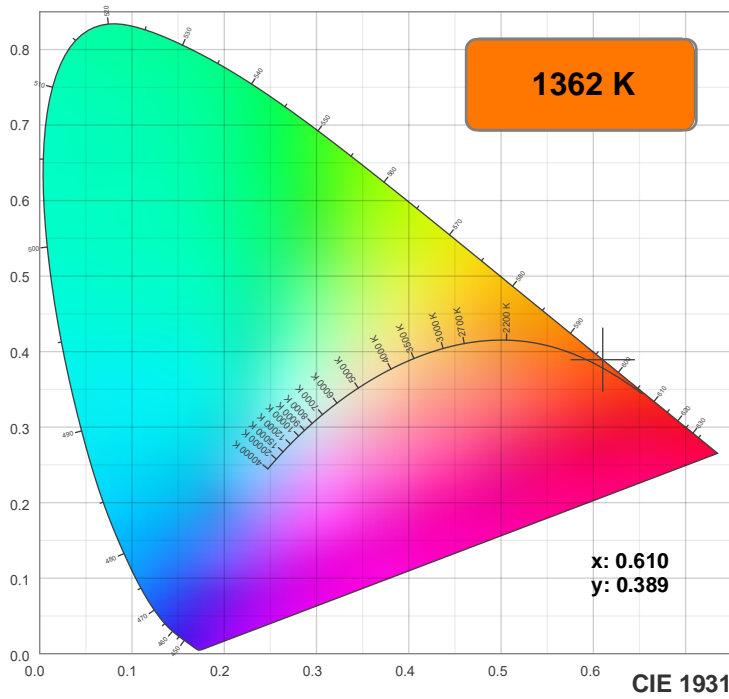
Dominant Wavelength: 596nm



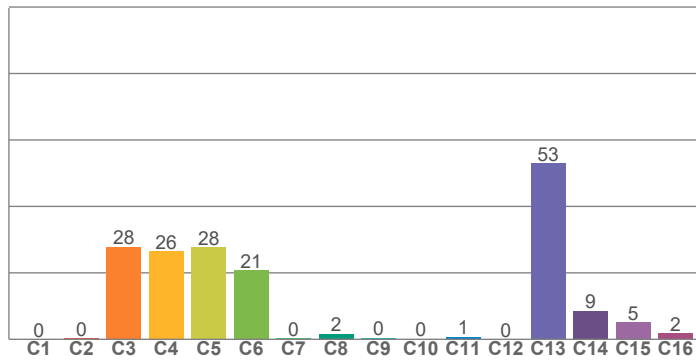
Power



Color Details



TM30: 1.7



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
-27.5	58.5	12.1	-65.2	-37.3	55.7	-10.5	-131.8	-361.9	41.4	-85.6	15.3	-7.1	44.1	-63.5

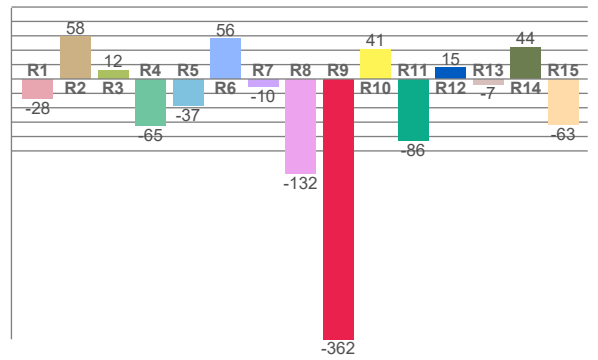
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.3	27.7	26.5	27.6	20.8	0.2	1.6	0.4	0.1	0.7	0.0	52.9	8.5	5.1	1.8

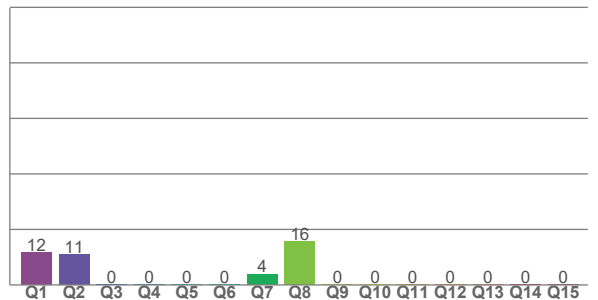
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.5	10.9	0.0	0.0	0.0	0.2	3.9	15.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0

CRI: -18.3 (R1-R8)



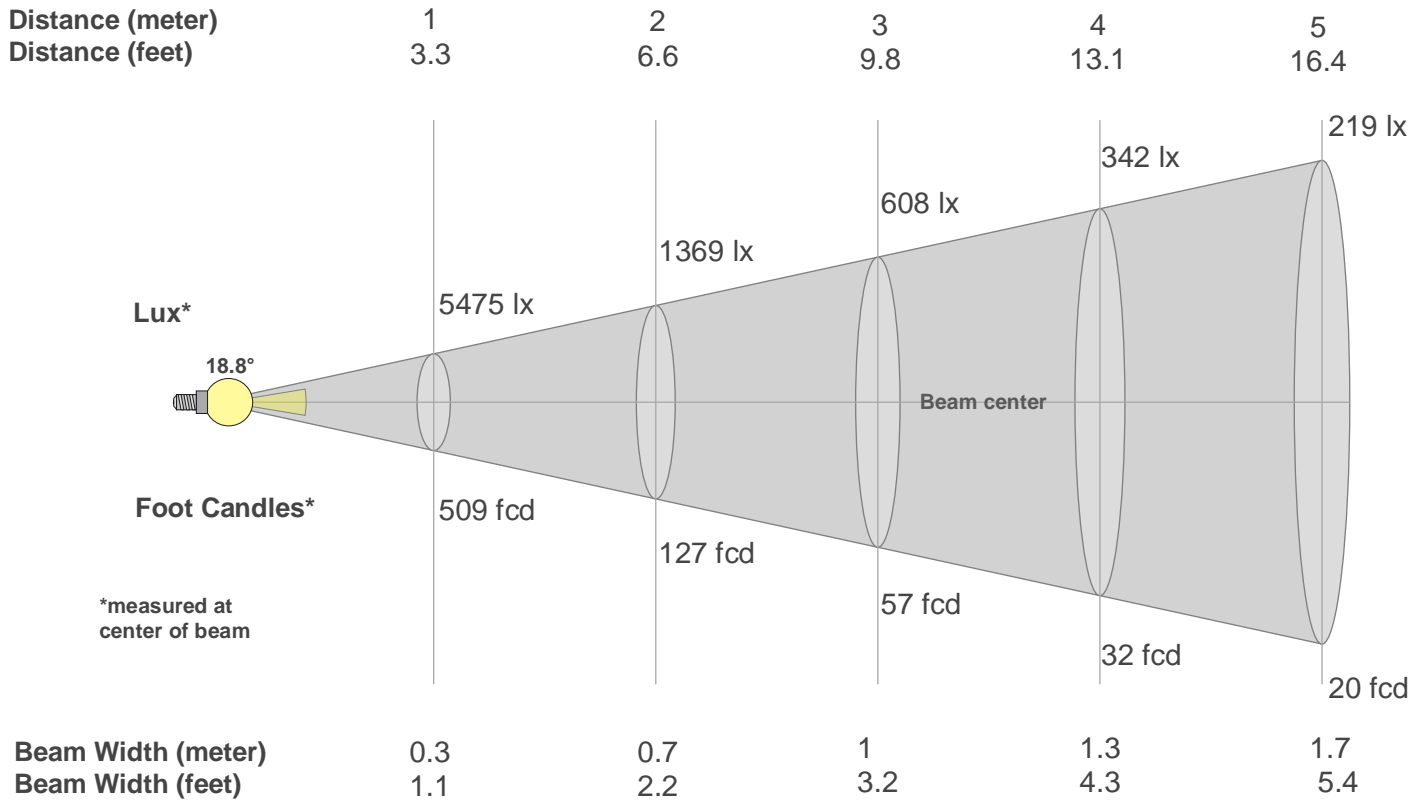
CQS: 0.0



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 Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
1362 K	-18.3	-361.9	1.7	0.0	0.0	0.610	0.389	0.378	0.362	0.0025

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	5475	1369	608	342	219	152	112	86	68	55	45	38	32	28	24	21	19	17	15	14
fcd	508.6	127.2	56.5	31.8	20.3	14.1	10.4	7.9	6.3	5.1	4.2	3.5	3	2.6	2.3	2	1.8	1.6	1.4	1.3

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°
5475	5574	5570	5401	5151	4802	4370	3907	3416	2958	2516	2093	1711	1350	1013	747	522	354	251	177
100%	102%	102%	99%	94%	88%	80%	71%	62%	54%	46%	38%	31%	25%	19%	14%	10%	6%	5%	3%

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°
5475	5574	5570	5401	5151	4802	4370	3907	3416	2958	2516	2093	1711	1350	1013	747	522	354	251	177
100%	102%	102%	99%	94%	88%	80%	71%	62%	54%	46%	38%	31%	25%	19%	14%	10%	6%	5%	3%

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°
5475	5309	5078	4810	4517	4185	3862	3545	3227	2909	2587	2258	1942	1637	1353	1106	886	702	556	435
100%	97%	93%	88%	83%	76%	71%	65%	59%	53%	47%	41%	35%	30%	25%	20%	16%	13%	10%	8%

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°
5475	5309	5078	4810	4517	4185	3862	3545	3227	2909	2587	2258	1942	1637	1353	1106	886	702	556	435
100%	97%	93%	88%	83%	76%	71%	65%	59%	53%	47%	41%	35%	30%	25%	20%	16%	13%	10%	8%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
18.8°	33.8°	43.9°	100.0%	99.9%