

# UBL12H



Light Efficiency:

42 Lumen/Watt

Light Quality:

CRI: 93.9

Color Temperature:

4485 K

Output: 2647 lm

Peak: 21369 cd

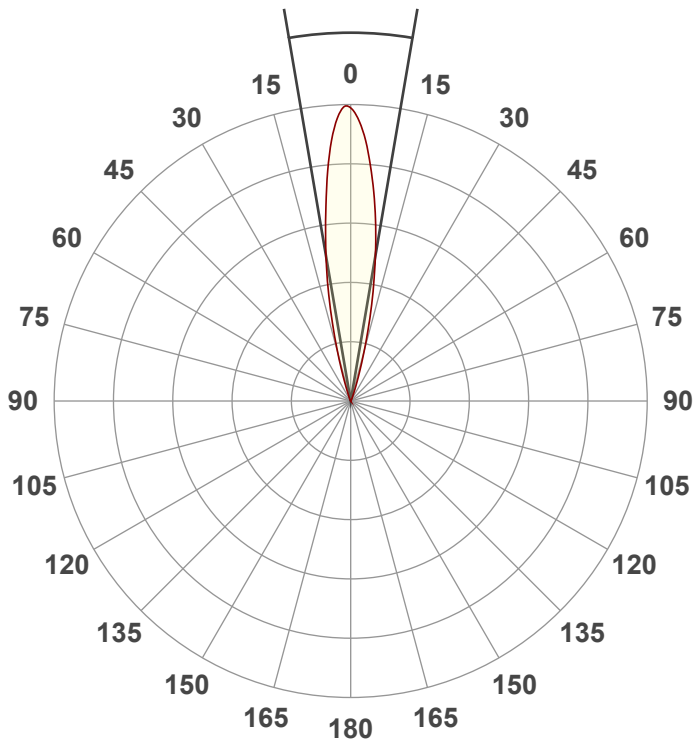
Power: 62.4 W

PF: 0.6



Beam Angle

19.3°



Test:

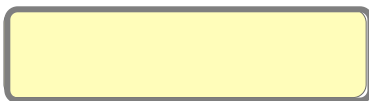
4500K

Date:

2/5/2024

Note:

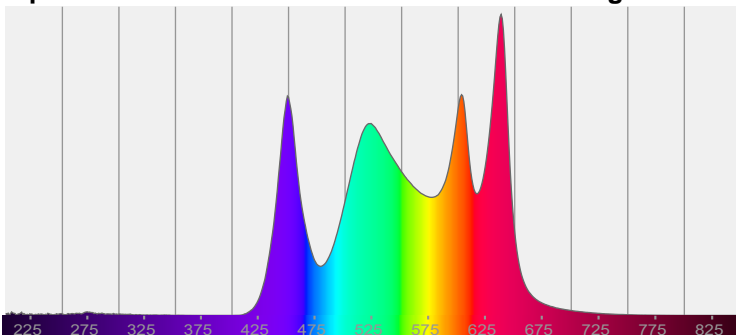
@ 84



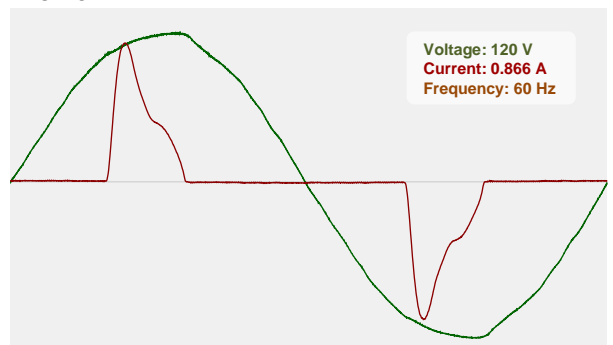
CIE 1931  
x: 0.363  
y: 0.374

Spectra

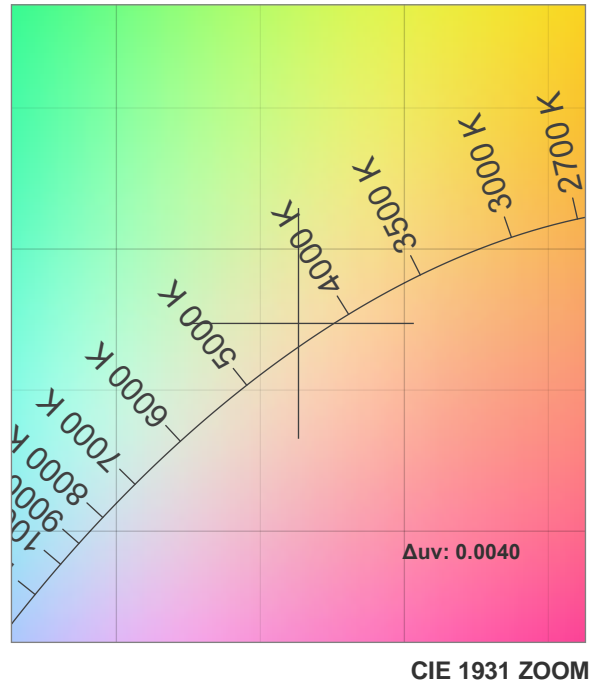
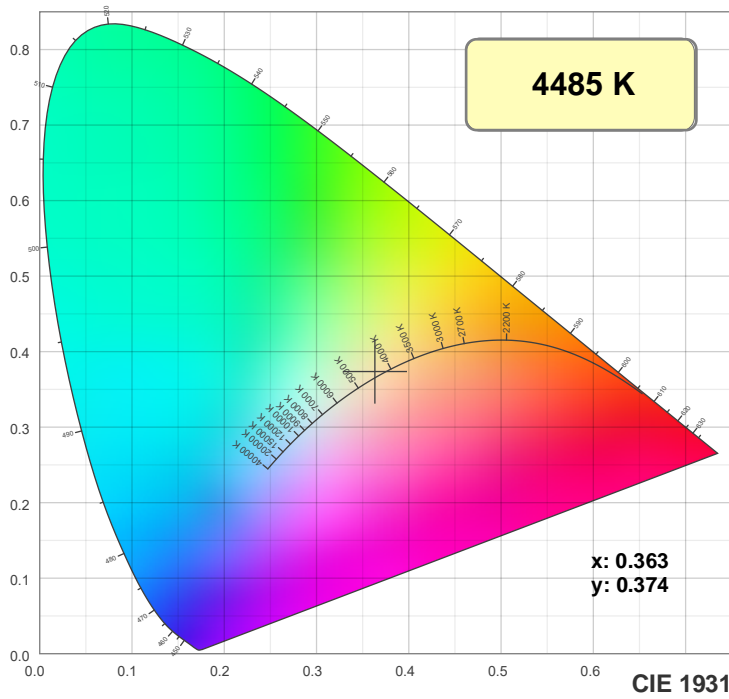
Dominant Wavelength: 578nm



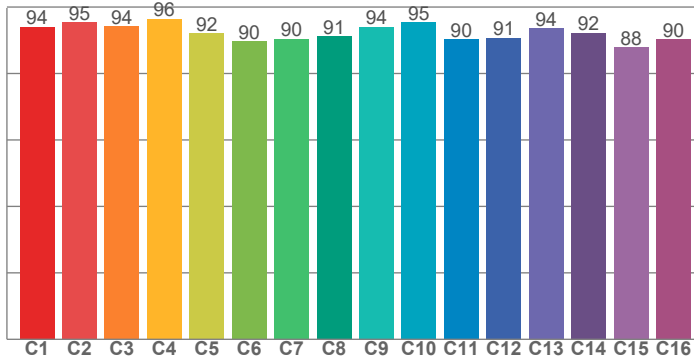
Power



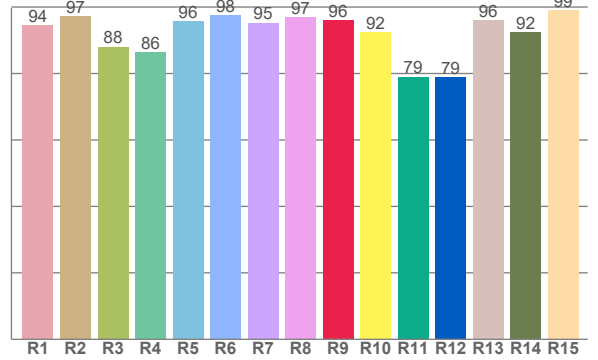
## Color Details



**TM30: 92.6**



**CRI: 93.9 (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
94.5	97.2	88.0	86.4	95.7	97.6	95.2	96.9	95.9	92.3	79.0	78.8	96.0	92.3	99.1

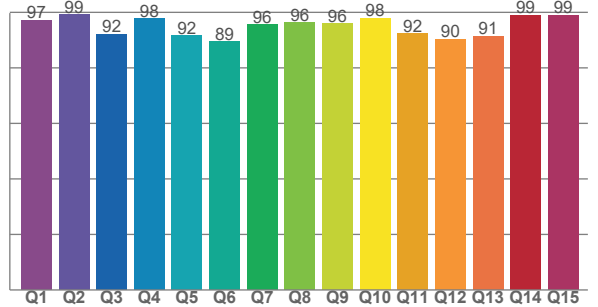
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94.1	95.3	94.1	96.5	92.1	89.7	90.5	91.2	94.0	95.3	90.2	90.7	93.6	92.2	87.9	90.2

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
97.2	99.2	92.1	97.8	91.7	89.4	95.7	96.3	95.8	97.9	92.3	90.3	91.4	99.0	98.9

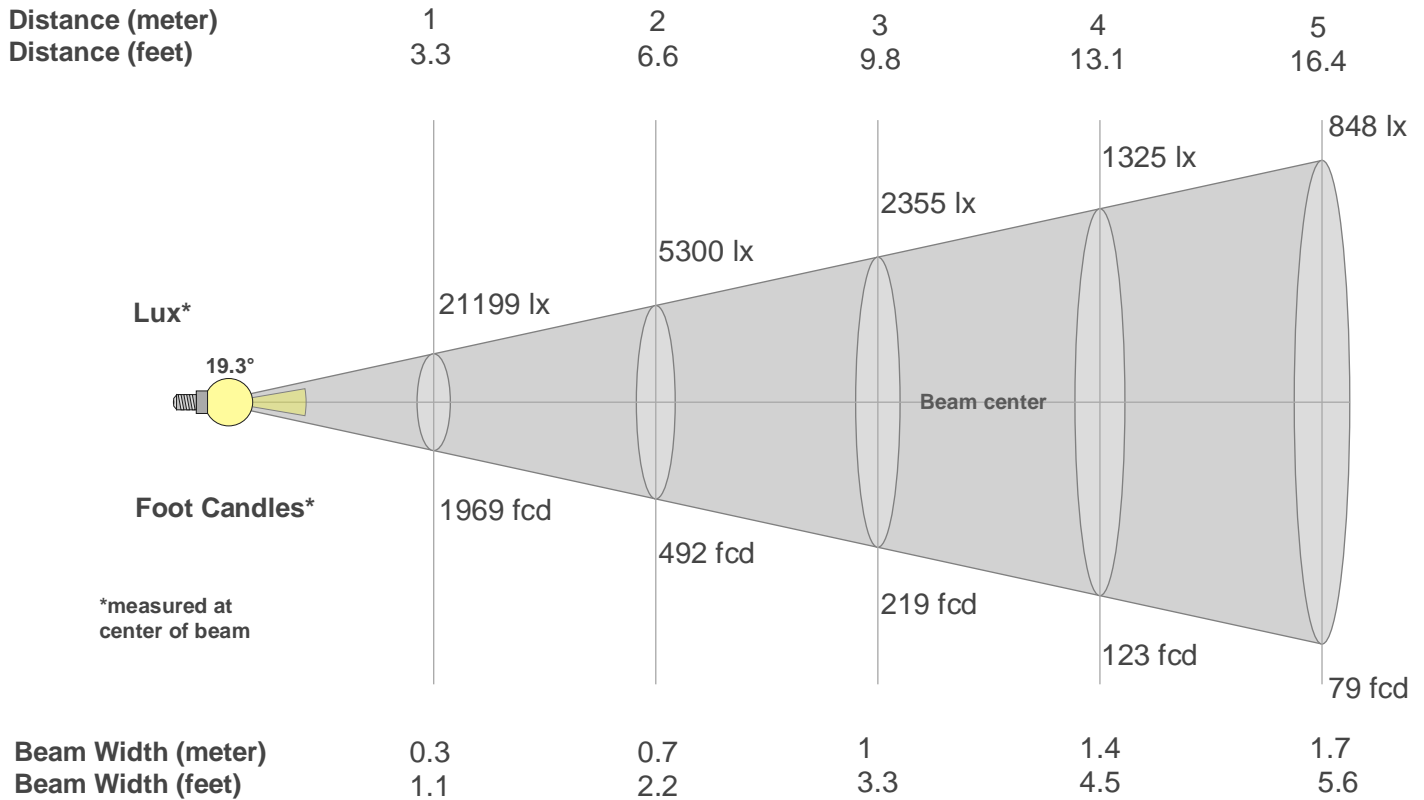
**CQS: 94.0**



## 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	$\Delta uv$
4485 K	93.9	95.9	92.6	105.1	94.0	0.363	0.374	0.215	0.332	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	21199	5300	2355	1325	848	589	433	331	262	212	175	147	125	108	94	83	73	65	59	53
fcd	1969.5	492.4	218.8	123.1	78.8	54.7	40.2	30.8	24.3	19.7	16.3	13.7	11.7	10	8.8	7.7	6.8	6.1	5.5	4.9

**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°
21.2K	21.3K	20.9K	20.2K	19.2K	17.8K	16.3K	14.6K	13.1K	11.6K	10.2K	8.8K	7.4K	6.0K	4.8K	3.6K	2.7K	1.9K	1.3K	0.9K
100%	101%	99%	95%	90%	84%	77%	69%	62%	55%	48%	42%	35%	29%	23%	17%	13%	9%	6%	4%

**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°
21.2K	21.3K	20.9K	20.2K	19.2K	17.8K	16.3K	14.6K	13.1K	11.6K	10.2K	8.8K	7.4K	6.0K	4.8K	3.6K	2.7K	1.9K	1.3K	0.9K
100%	101%	99%	95%	90%	84%	77%	69%	62%	55%	48%	42%	35%	29%	23%	17%	13%	9%	6%	4%

**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°
21.2K	20.7K	20.1K	19.2K	18.1K	16.9K	15.6K	14.3K	13.0K	11.6K	10.2K	8.8K	7.5K	6.2K	5.0K	3.9K	3.0K	2.2K	1.6K	1.2K
100%	98%	95%	90%	85%	80%	74%	68%	61%	55%	48%	42%	35%	29%	23%	18%	14%	10%	8%	6%

**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°
21.2K	20.7K	20.1K	19.2K	18.1K	16.9K	15.6K	14.3K	13.0K	11.6K	10.2K	8.8K	7.5K	6.2K	5.0K	3.9K	3.0K	2.2K	1.6K	1.2K
100%	98%	95%	90%	85%	80%	74%	68%	61%	55%	48%	42%	35%	29%	23%	18%	14%	10%	8%	6%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.3°	33.8°	42.3°	100.0%	100.0%