

# UBL12H



Light Efficiency:

28 Lumen/Watt

Light Quality:

CRI: 63.3

Color Temperature:

10328 K

Output: 1705 lm

Peak: 7005 cd

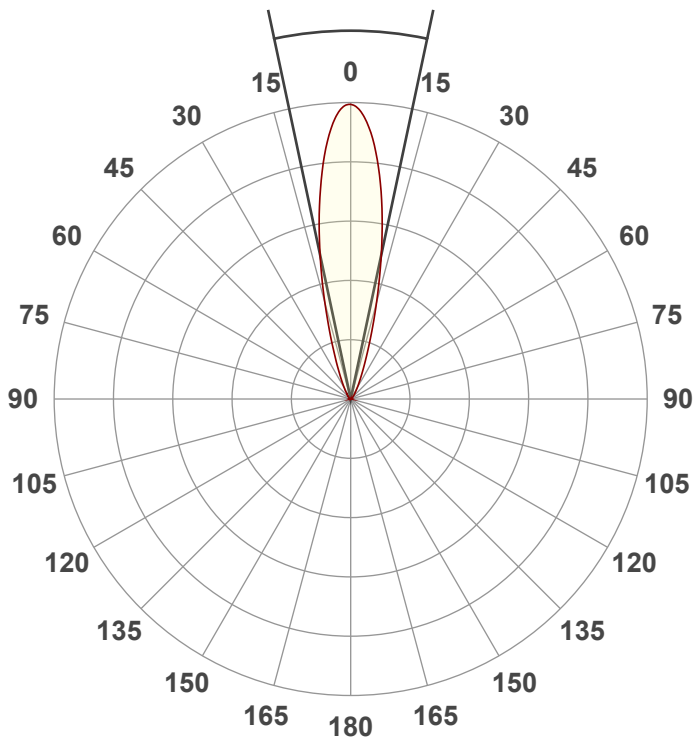
Power: 61.3 W

PF: 0.58



Beam Angle

24°



Test:

Full on No UV

Date:

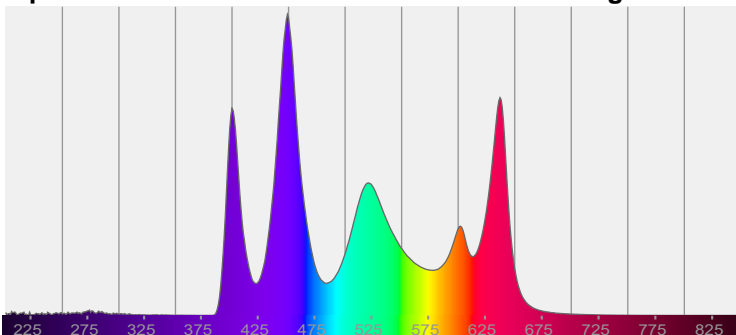
2/6/2024

Note:

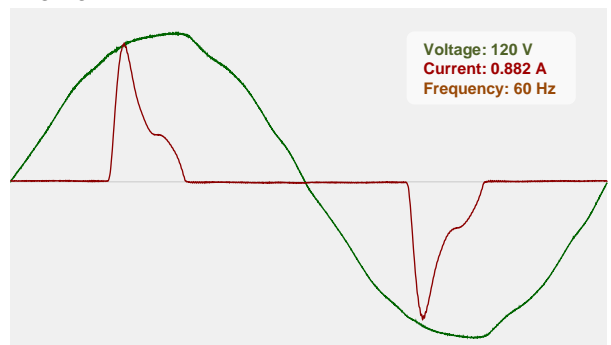
CIE 1931  
x: 0.291  
y: 0.264

Spectra

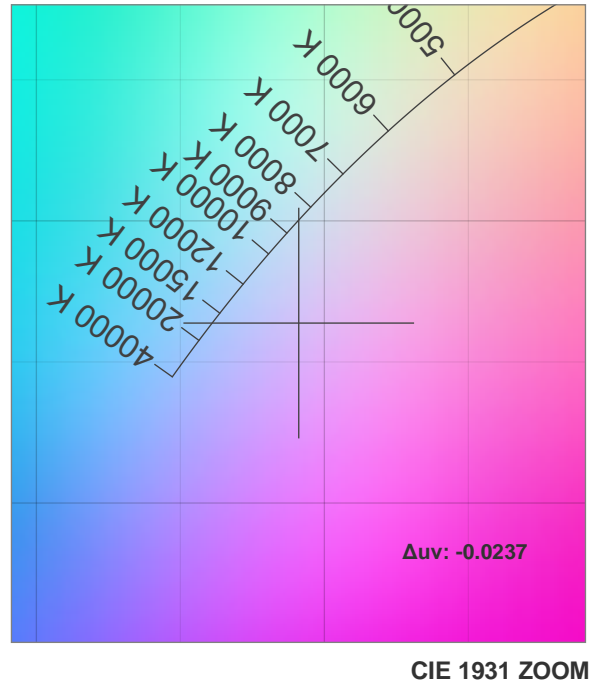
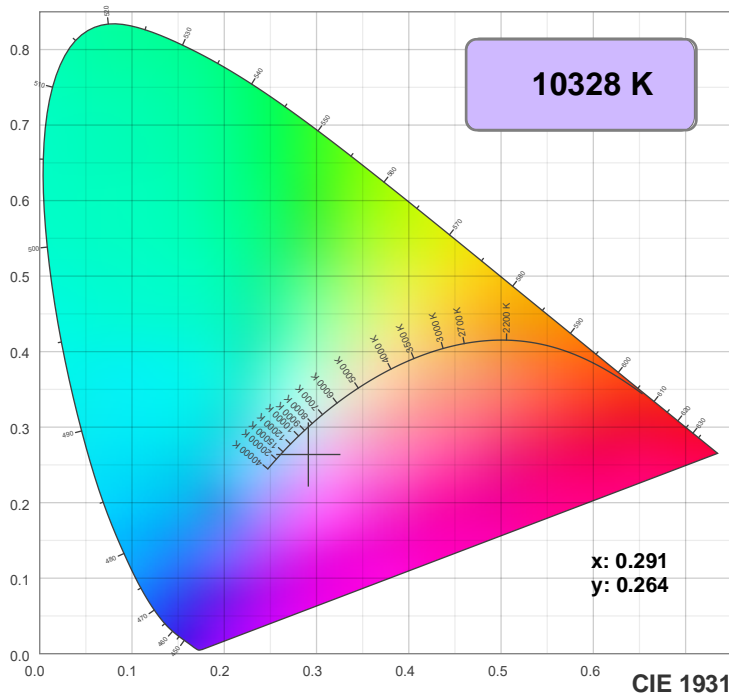
Dominant Wavelength: 360nm



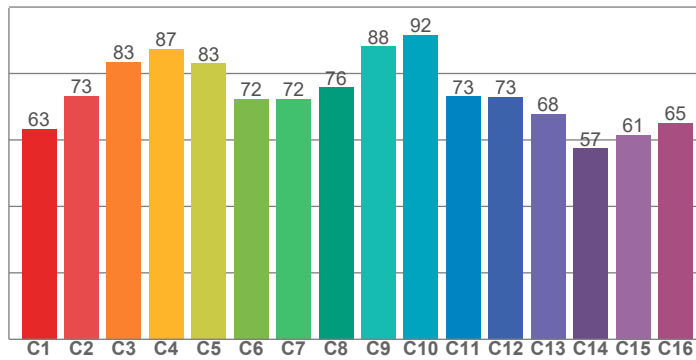
Power



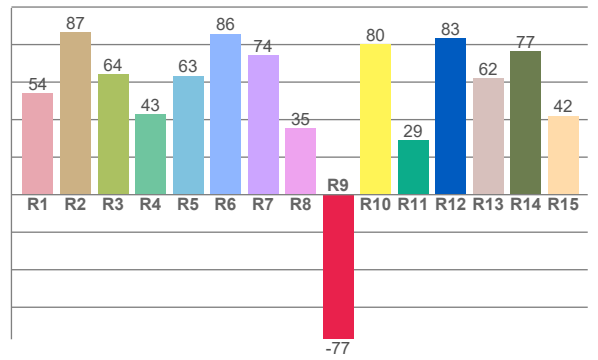
## Color Details



TM30: 76.1



CRI: 63.3 (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
54.2	86.6	64.1	42.7	63.3	85.7	74.2	35.4	-77.1	80.3	28.8	83.3	62.0	76.5	42.1

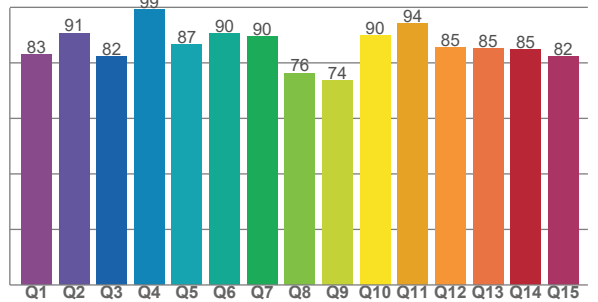
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
63.4	73.2	83.5	87.3	83.1	72.4	72.4	75.9	88.1	91.6	73.0	72.9	67.8	57.5	61.5	65.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.9	90.8	82.3	99.2	86.6	90.5	89.5	76.3	73.6	89.8	94.1	85.4	85.0	84.7	82.3

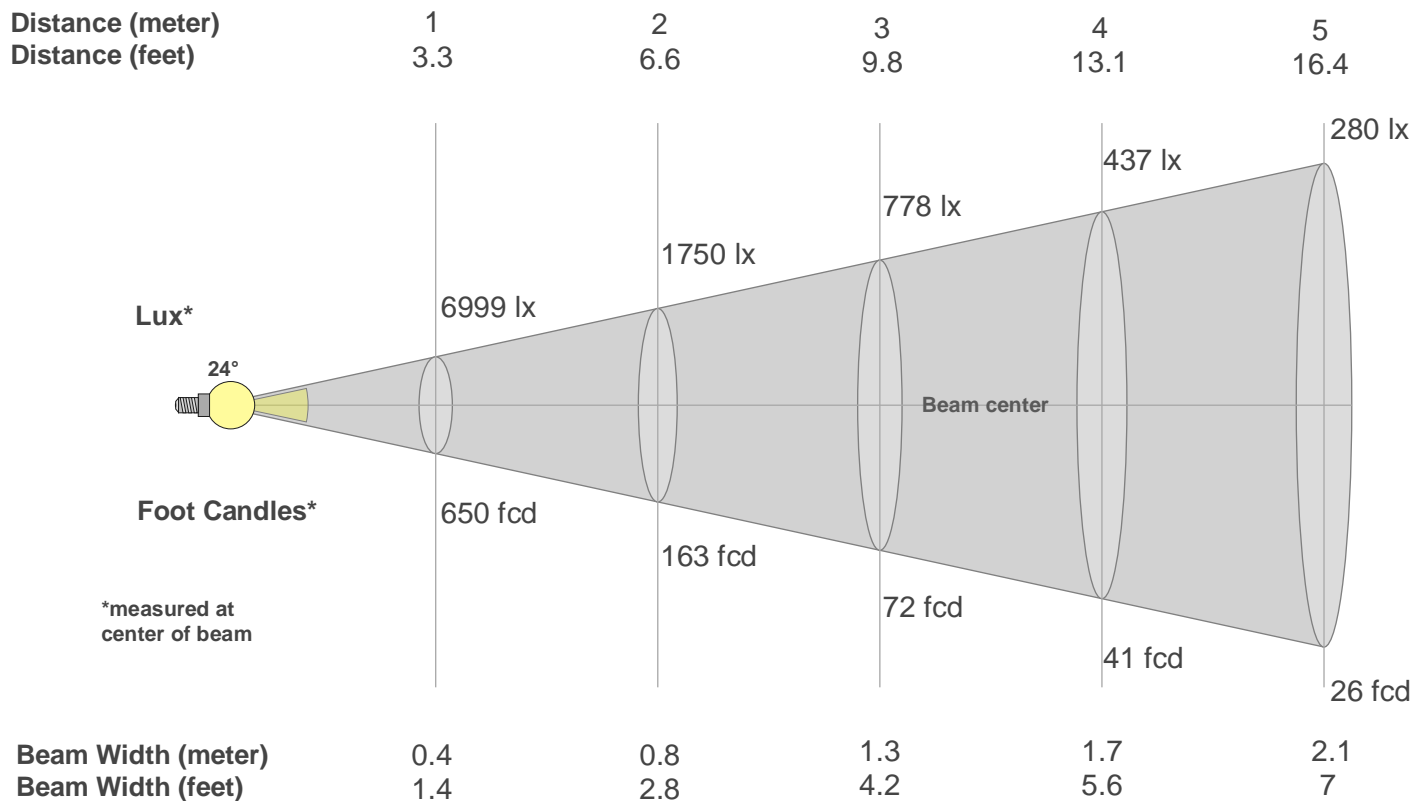
CQS: 84.8



## 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
10328 K	63.3	-77.1	76.1	120.5	84.8	0.291	0.264	0.209	0.283	-0.0237

## 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	6999	1750	778	437	280	194	143	109	86	70	58	49	41	36	31	27	24	22	19	17
fcd	650.3	162.6	72.3	40.6	26	18.1	13.3	10.2	8	6.5	5.4	4.5	3.8	3.3	2.9	2.5	2.3	2	1.8	1.6

### 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°
6999	6885	6483	5872	5115	4317	3496	2733	2045	1520	1112	839	637	491	385	300	251	193	163	139
100%	98%	93%	84%	73%	62%	50%	39%	29%	22%	16%	12%	9%	7%	6%	4%	4%	3%	2%	2%

### 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°
6999	6885	6483	5872	5115	4317	3496	2733	2045	1520	1112	839	637	491	385	300	251	193	163	139
100%	98%	93%	84%	73%	62%	50%	39%	29%	22%	16%	12%	9%	7%	6%	4%	4%	3%	2%	2%

### 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°
6999	6837	6429	5834	5111	4310	3496	2724	2059	1523	1130	849	647	502	394	314	252	204	168	143
100%	98%	92%	83%	73%	62%	50%	39%	29%	22%	16%	12%	9%	7%	6%	4%	4%	3%	2%	2%

### 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°
6999	6837	6429	5834	5111	4310	3496	2724	2059	1523	1130	849	647	502	394	314	252	204	168	143
100%	98%	92%	83%	73%	62%	50%	39%	29%	22%	16%	12%	9%	7%	6%	4%	4%	3%	2%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
24°	46.6°	70.3°	98.2%	94.5%