

# UBL9H



Light Efficiency:



Light Quality:



Color Temperature:

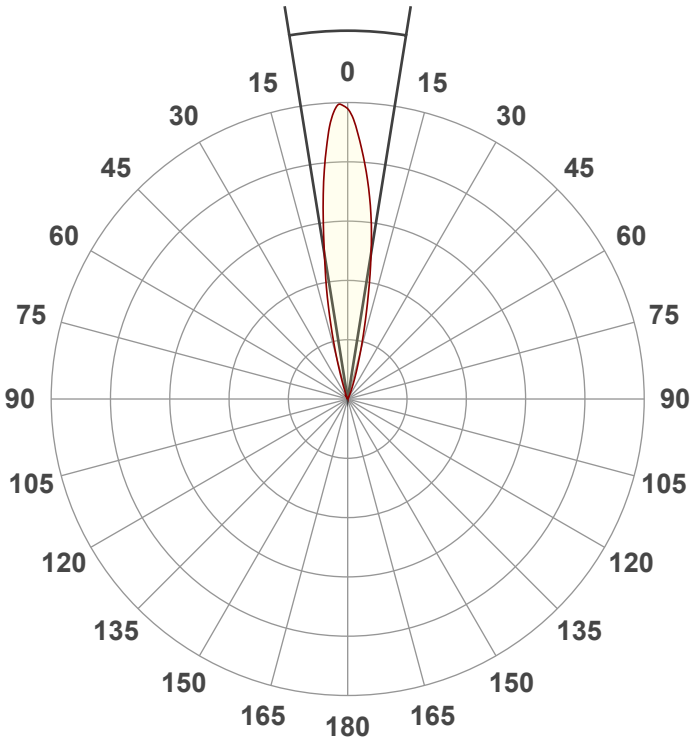


Output: 615 lm  
Peak: 5181 cd  
Power: 25.0 W  
PF: 0.57



Beam Angle

18.2°



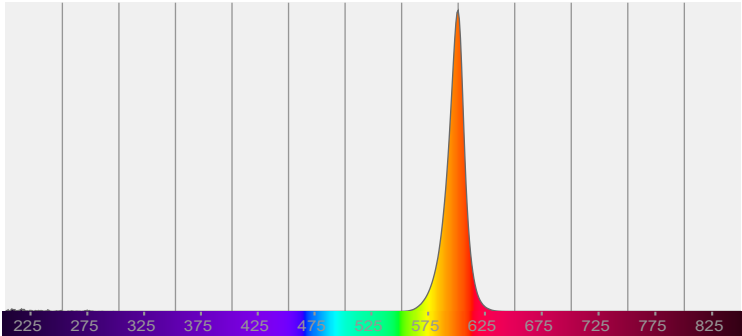
Test:  
Amber  
Date:  
2/7/2024  
Note:



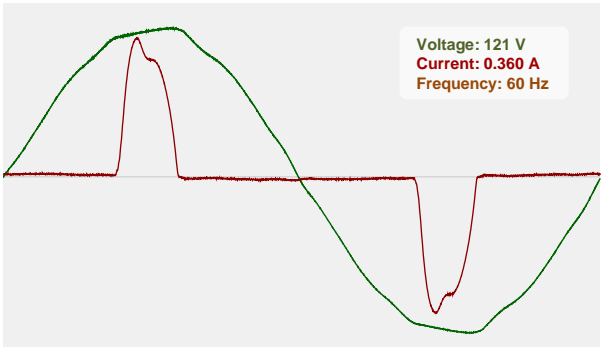
CIE 1931  
x: 0.605  
y: 0.394

Spectra

Dominant Wavelength: 595nm

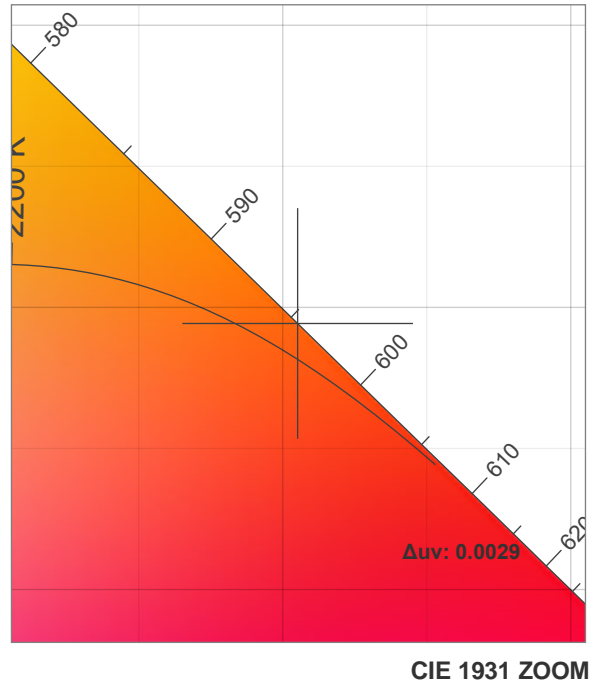
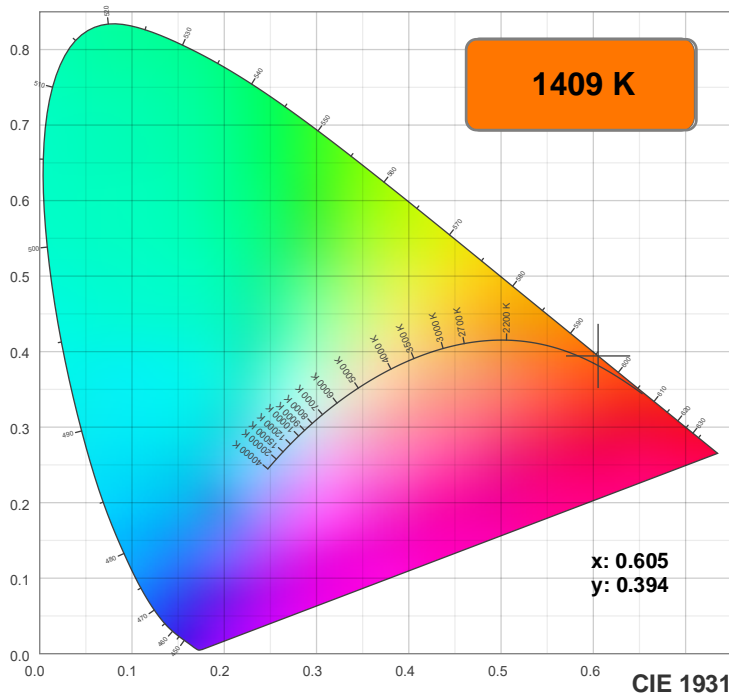


Power

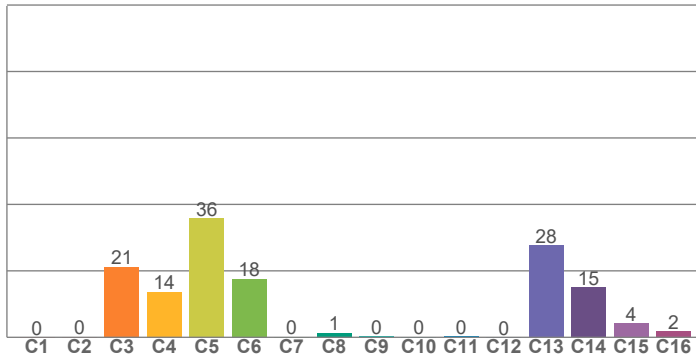


Voltage: 121 V  
Current: 0.360 A  
Frequency: 60 Hz

## Color Details



TM30: 1.3



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
-31.9	56.2	11.3	-69.0	-41.1	51.1	-11.4	-135.9	-376.6	37.7	-91.7	7.2	-11.2	43.1	-67.5

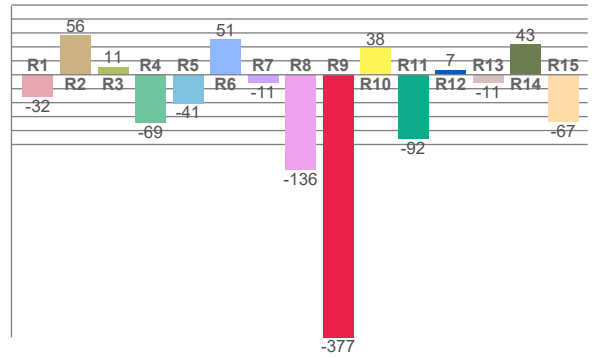
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.2	21.2	13.7	35.8	17.6	0.1	1.3	0.3	0.1	0.2	0.0	27.7	15.0	4.1	1.7

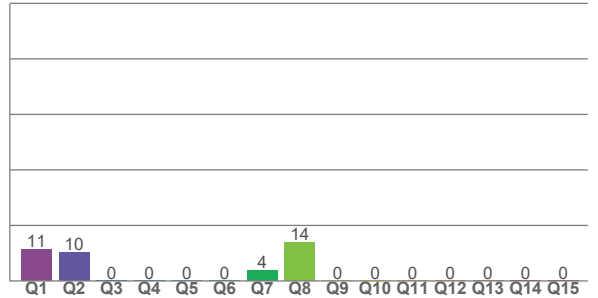
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.5	10.4	0.0	0.0	0.0	0.2	3.9	14.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

CRI: -21.4 (R1-R8)



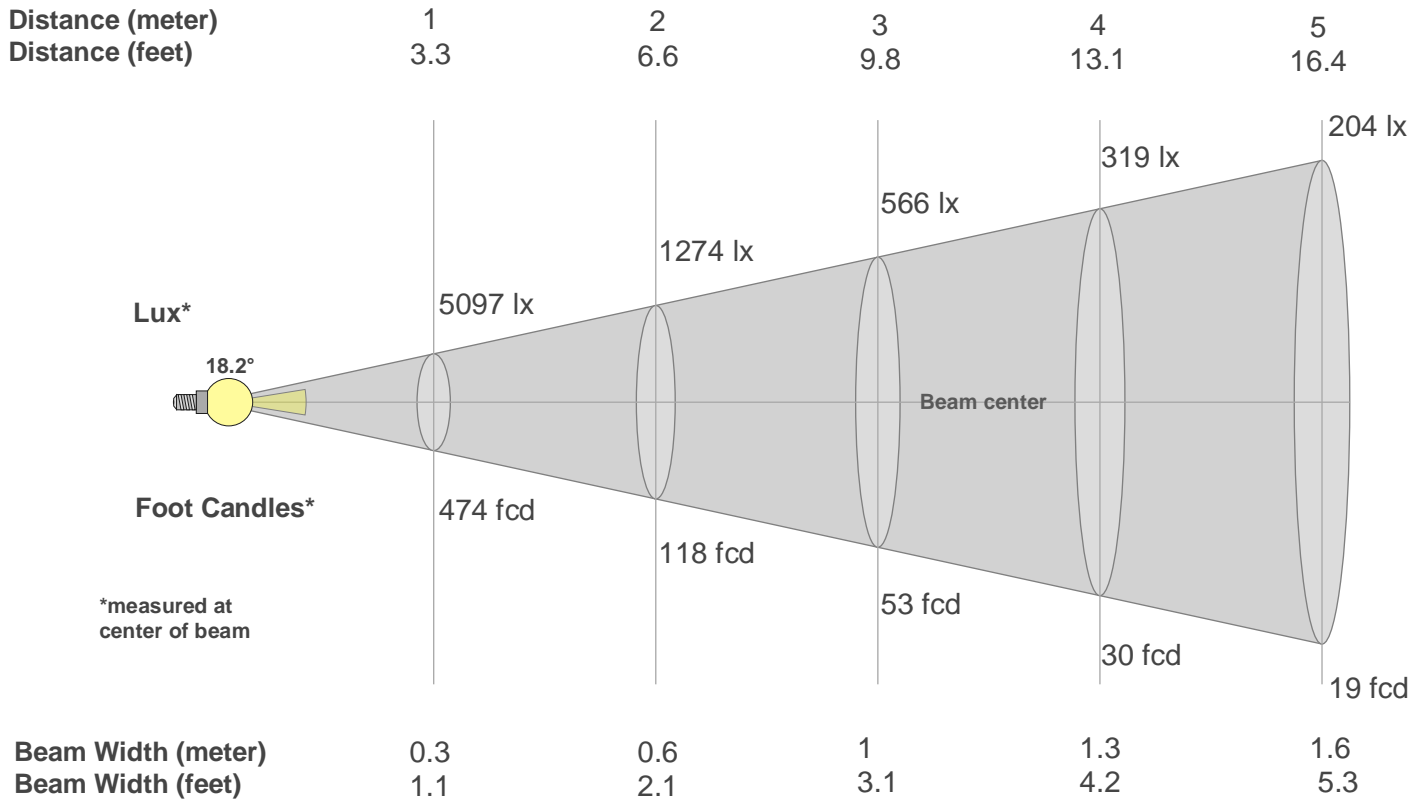
CQS: 0.0



## 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	$\Delta uv$
1409 K	-21.4	-376.6	1.3	0.0	0.0	0.605	0.394	0.371	0.363	0.0029

## 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	5097	1274	566	319	204	142	104	80	63	51	42	35	30	26	23	20	18	16	14	13
fcd	473.5	118.4	52.6	29.6	18.9	13.2	9.7	7.4	5.8	4.7	3.9	3.3	2.8	2.4	2.1	1.8	1.6	1.5	1.3	1.2

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°
5097	5160	5155	5000	4734	4366	3972	3535	3074	2636	2260	1927	1587	1272	990	742	530	372	258	180
100%	101%	101%	98%	93%	86%	78%	69%	60%	52%	44%	38%	31%	25%	19%	15%	10%	7%	5%	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°
5097	5160	5155	5000	4734	4366	3972	3535	3074	2636	2260	1927	1587	1272	990	742	530	372	258	180
100%	101%	101%	98%	93%	86%	78%	69%	60%	52%	44%	38%	31%	25%	19%	15%	10%	7%	5%	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°
5097	4952	4718	4457	4188	3913	3625	3323	2995	2634	2286	1932	1613	1334	1096	888	710	573	455	357
100%	97%	93%	87%	82%	77%	71%	65%	59%	52%	45%	38%	32%	26%	21%	17%	14%	11%	9%	7%

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°
5097	4952	4718	4457	4188	3913	3625	3323	2995	2634	2286	1932	1613	1334	1096	888	710	573	455	357
100%	97%	93%	87%	82%	77%	71%	65%	59%	52%	45%	38%	32%	26%	21%	17%	14%	11%	9%	7%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
18.2°	33.5°	43.2°	100.0%	100.0%