

# UBL9H



Light Efficiency:

48 Lumen/Watt

Light Quality:

CRI: 91.8

Color Temperature:

6463 K

Output: 2678 lm

Peak: 21472 cd

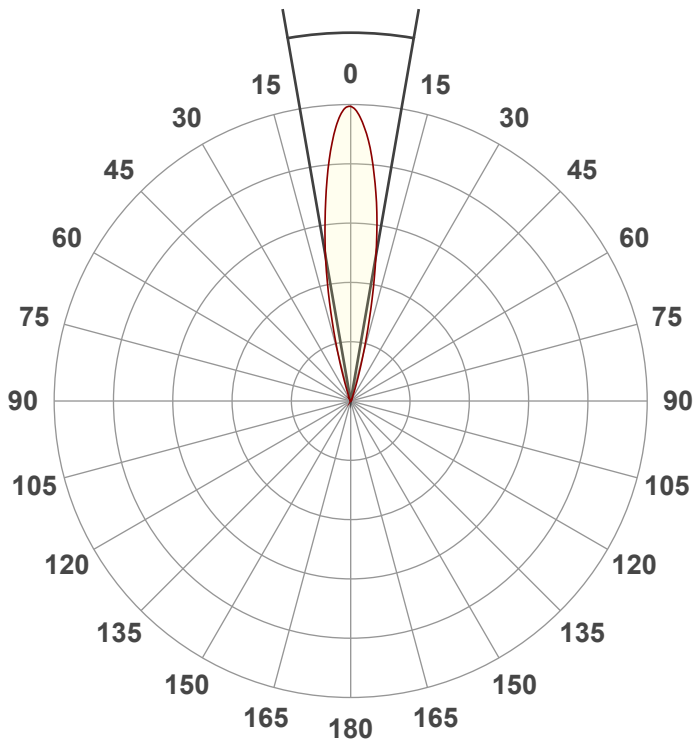
Power: 56.0 W

PF: 0.6



Beam Angle

19.7°



Test:

6500K

Date:

2/8/2024

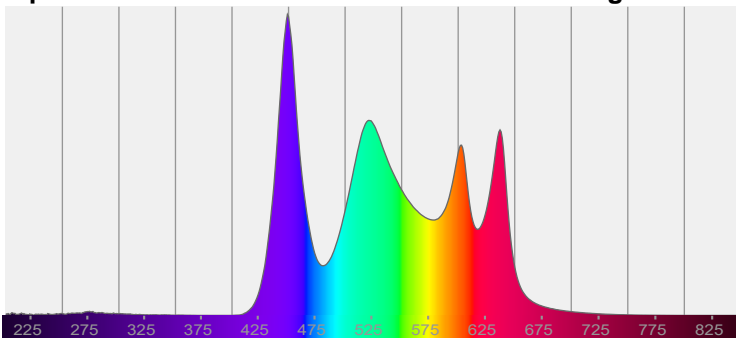
Note:

@ 160

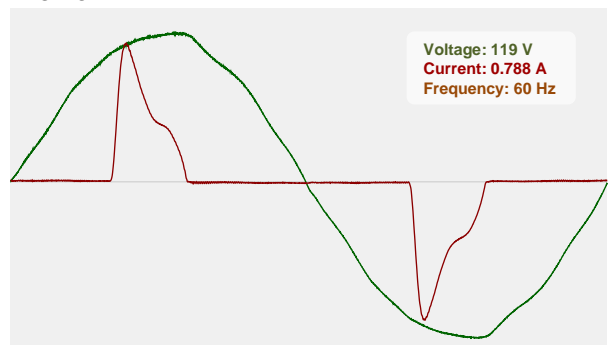
CIE 1931  
x: 0.313  
y: 0.334

Spectra

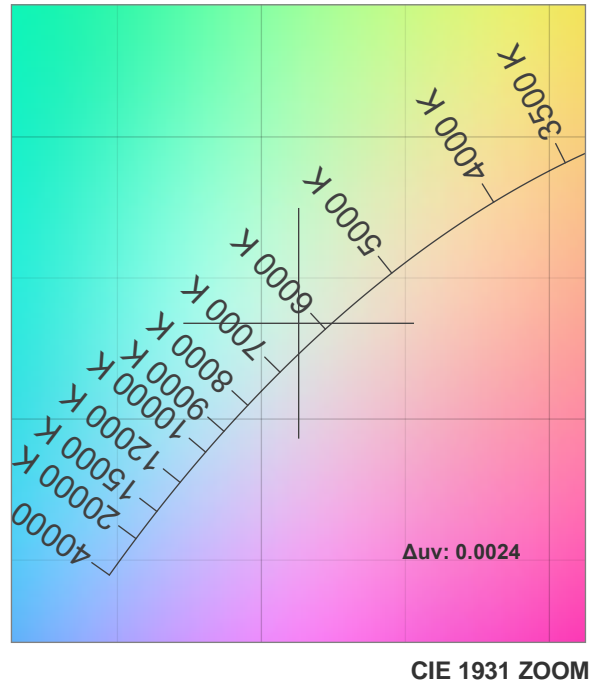
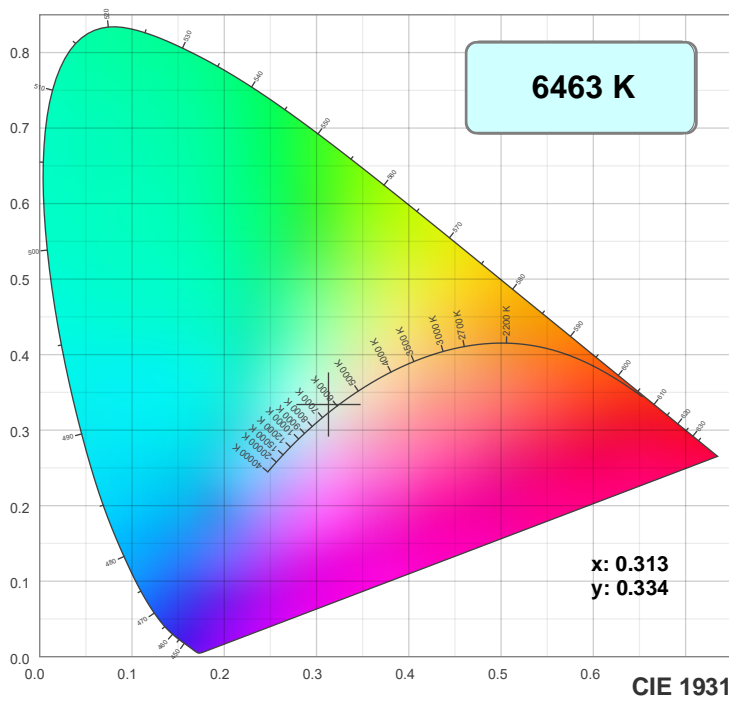
Dominant Wavelength: 554nm



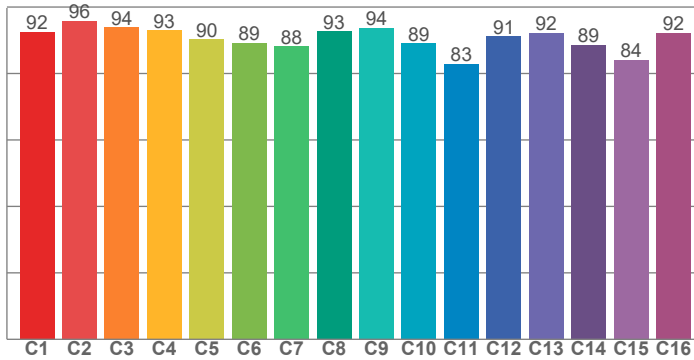
Power



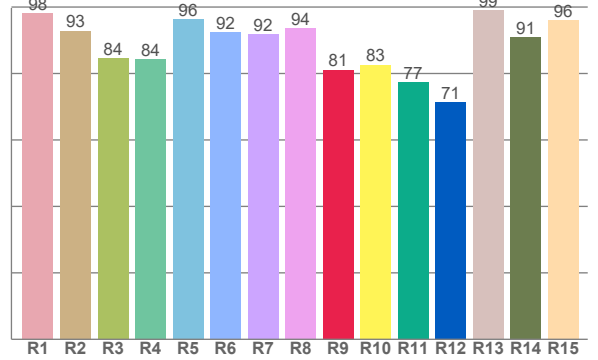
## Color Details



### TM30: 90.5



### CRI: 91.8 (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
98.2	92.9	84.5	84.3	96.4	92.3	91.9	93.7	81.1	82.6	77.3	71.4	99.0	90.8	96.1

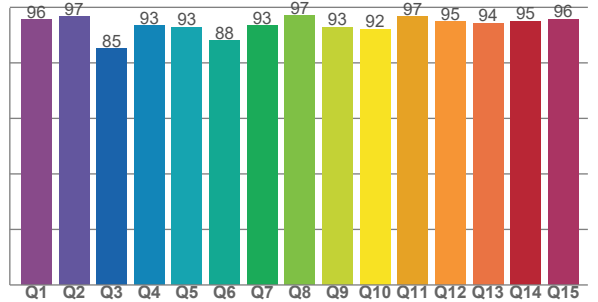
#### TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92.4	95.8	93.9	93.0	90.2	89.2	88.2	92.7	93.7	89.1	82.9	91.1	92.2	88.6	84.1	92.2

#### CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
95.5	96.6	85.0	93.4	92.9	88.1	93.4	96.9	92.8	92.1	96.7	94.8	94.3	95.0	95.7

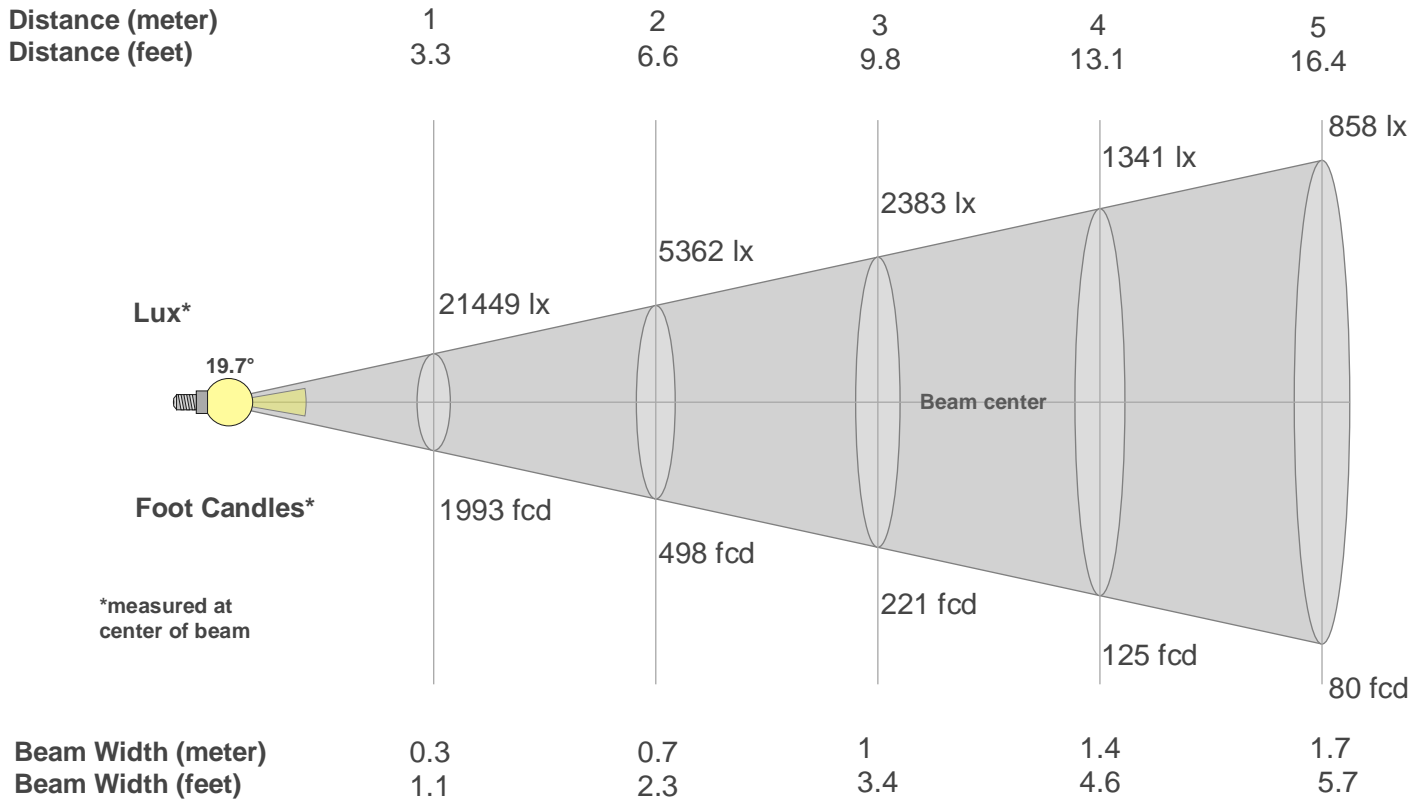
### CQS: 92.8



## 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
6463 K	91.8	81.1	90.5	104.8	92.8	0.313	0.334	0.196	0.314	0.0024

## 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	21449	5362	2383	1341	858	596	438	335	265	214	177	149	127	109	95	84	74	66	59	54
fcd	1992.7	498.2	221.4	124.5	79.7	55.4	40.7	31.1	24.6	19.9	16.5	13.8	11.8	10.2	8.9	7.8	6.9	6.2	5.5	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°
21.4K	21.4K	20.9K	20.1K	19.0K	17.8K	16.4K	14.9K	13.4K	12.0K	10.5K	9.0K	7.5K	6.0K	4.7K	3.5K	2.6K	1.8K	1.3K	0.9K
100%	100%	97%	94%	89%	83%	76%	69%	62%	56%	49%	42%	35%	28%	22%	16%	12%	8%	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°
21.4K	21.4K	20.9K	20.1K	19.0K	17.8K	16.4K	14.9K	13.4K	12.0K	10.5K	9.0K	7.5K	6.0K	4.7K	3.5K	2.6K	1.8K	1.3K	0.9K
100%	100%	97%	94%	89%	83%	76%	69%	62%	56%	49%	42%	35%	28%	22%	16%	12%	8%	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°
21.4K	21.2K	20.6K	19.8K	18.9K	17.8K	16.5K	15.1K	13.7K	12.1K	10.5K	8.9K	7.4K	5.9K	4.6K	3.5K	2.7K	2.0K	1.5K	1.1K
100%	99%	96%	92%	88%	83%	77%	71%	64%	57%	49%	42%	34%	28%	22%	17%	12%	9%	7%	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°
21.4K	21.2K	20.6K	19.8K	18.9K	17.8K	16.5K	15.1K	13.7K	12.1K	10.5K	8.9K	7.4K	5.9K	4.6K	3.5K	2.7K	2.0K	1.5K	1.1K
100%	99%	96%	92%	88%	83%	77%	71%	64%	57%	49%	42%	34%	28%	22%	17%	12%	9%	7%	5%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
19.7°	33.2°	42.5°	100.0%	100.0%