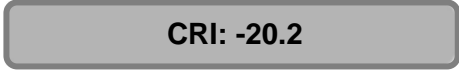


Color Temperature:



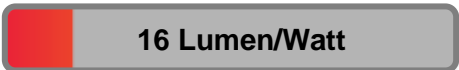
Total Lumen Output:
353 lm

Light Quality:



Peak:
2560 cd

Light Efficiency:



Power: 22.3 W



CIE 1931
x: 0.601
y: 0.398

Test: Amber

Date: 3/23/2018

Voltage: 114 V

Current: 0.208 A

Frequency: 60 Hz

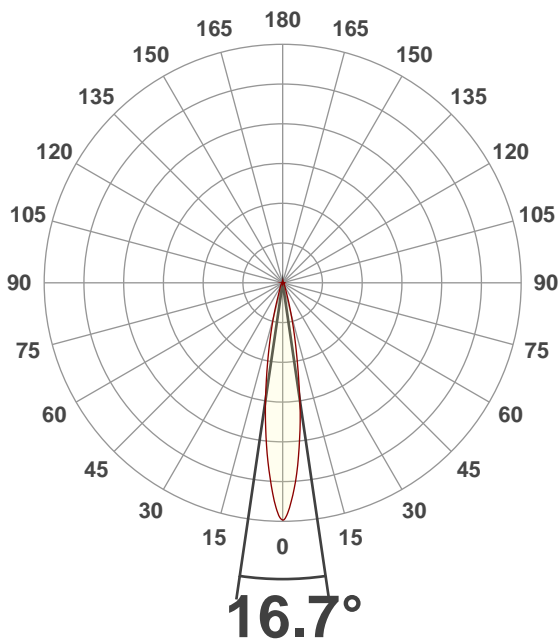
CRI: -20.2

CQS: 0.0

TM30: 0.6

Note:

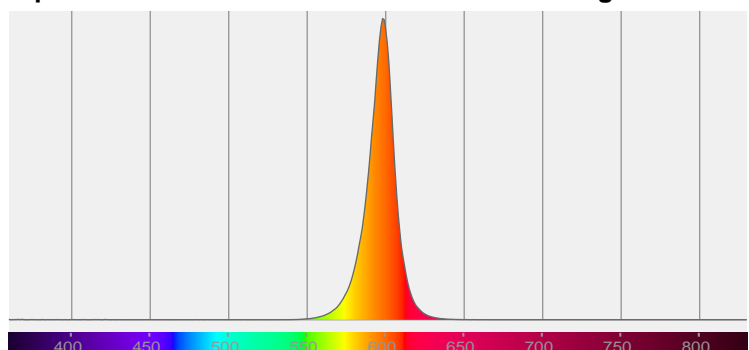
Beam Angle



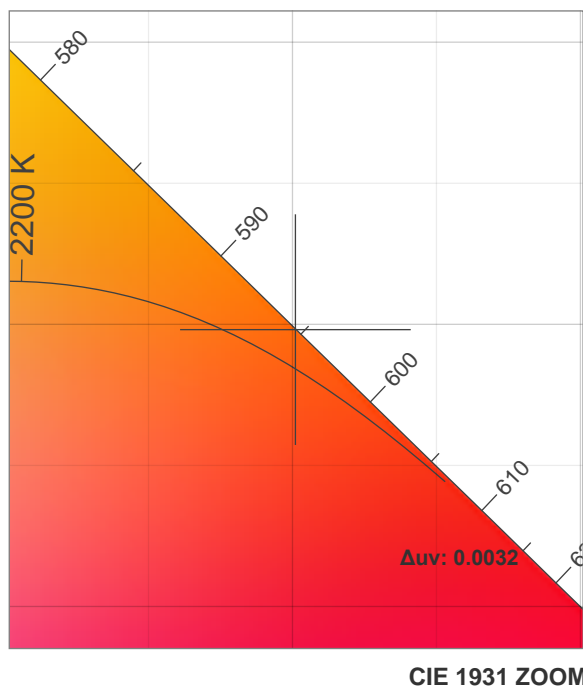
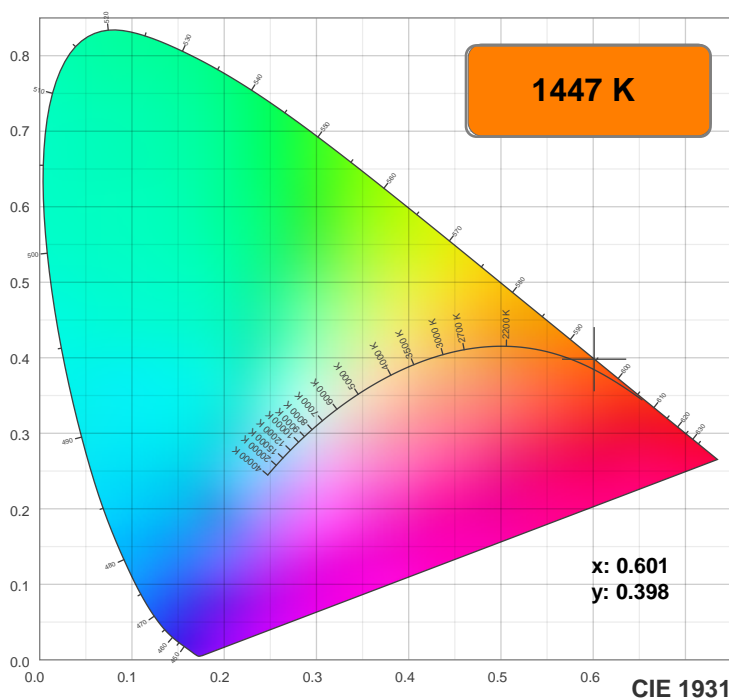
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
16.7°	33.2°	52.4°

Spectra

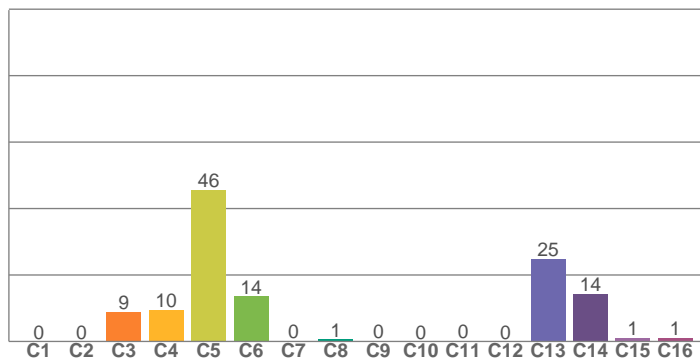
Dominant Wavelength: 595nm



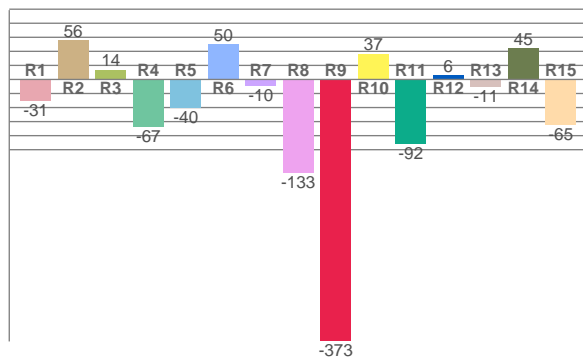
Color Details



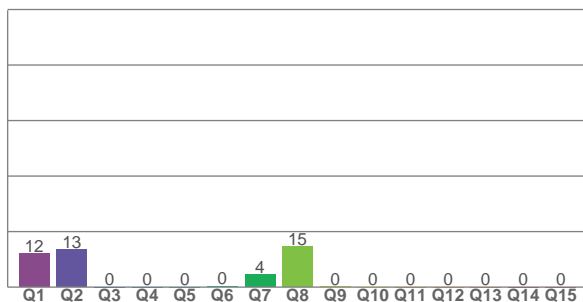
TM30: 0.6



CRI: -20.2 (R1-R8)



CQS: 0.0



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
-31.2	56.0	13.9	-67.4	-40.0	50.0	-9.6	-133.3	-372.9	36.8	-91.5	5.5	-11.1	44.6	-65.1

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
0.0	0.0	8.8	9.6	45.6	13.6	0.1	0.6	0.1	0.1	0.1	0.0	24.9	14.3	1.1	1.1

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
12.1	13.4	0.0	0.0	0.1	0.3	4.4	14.6	0.1	0.0	0.0	0.0	0.0	0.0	0.1

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
1447 K	-20.2	-372.9	0.6	2.8	0.0	0.601	0.398	0.366	0.363	0.0032

TM30 Details

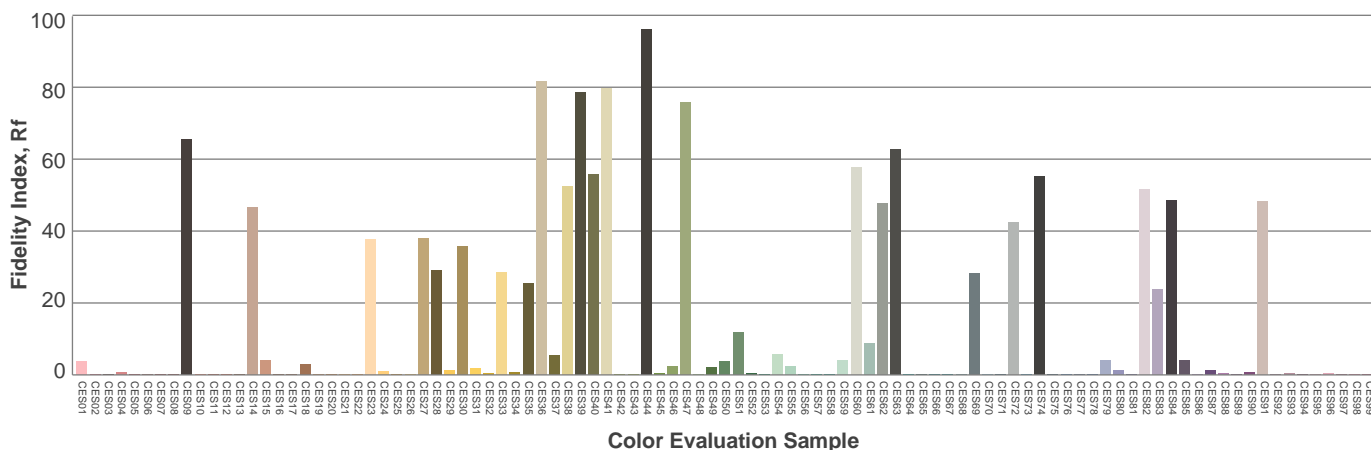
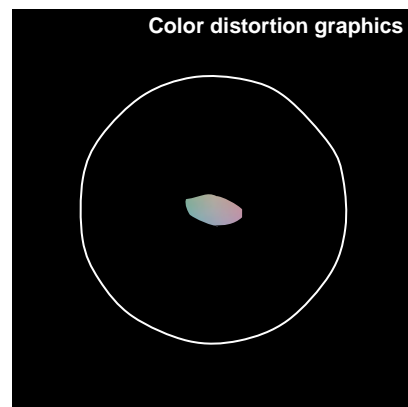
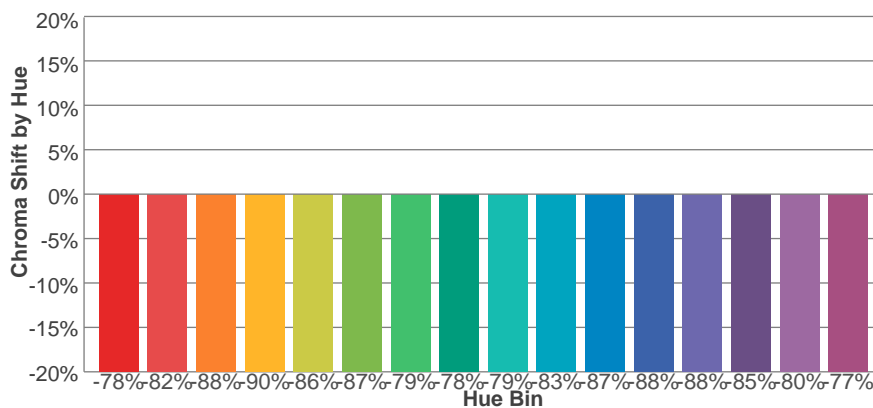
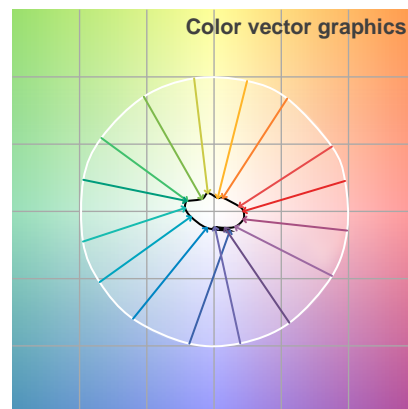
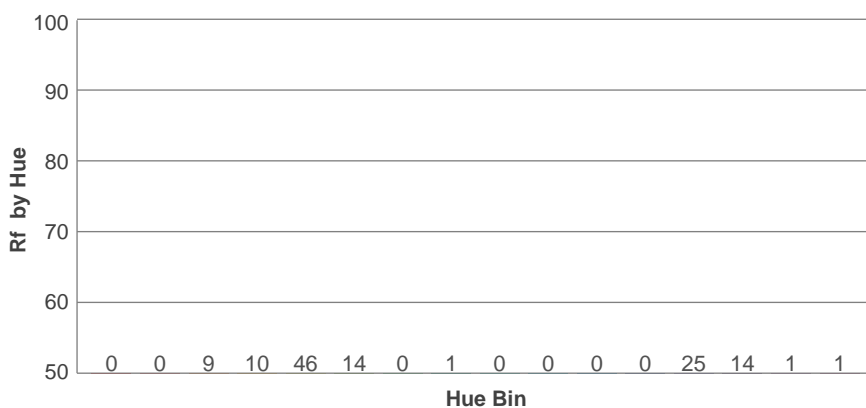
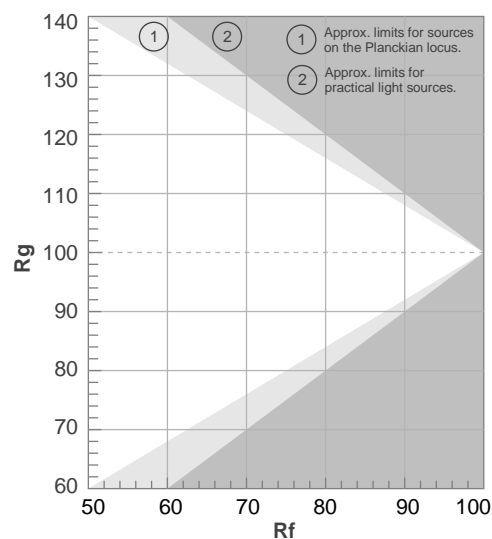
Rf 0.6

Fidelity Index Rf

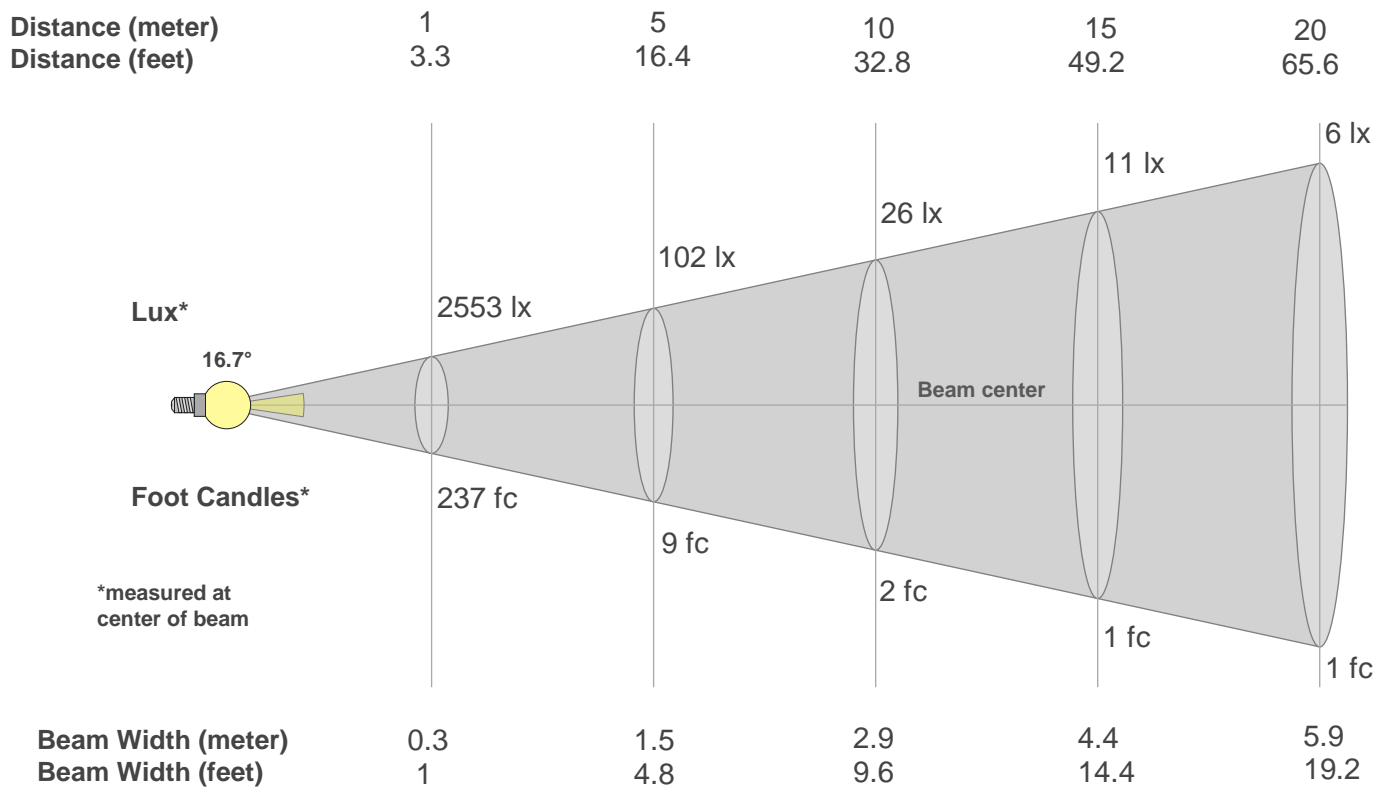
Rg 2.8

Gamut Index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	-78%	-7%
2	0	-82%	1%
3	9	-88%	-1%
4	10	-90%	4%
5	46	-86%	7%
6	14	-87%	6%
7	0	-79%	3%
8	1	-78%	0%
9	0	-79%	-10%
10	0	-83%	-3%
11	0	-87%	8%
12	0	-88%	13%
13	25	-88%	-2%
14	14	-85%	-1%
15	1	-80%	-10%
16	1	-77%	-7%



Beam Details



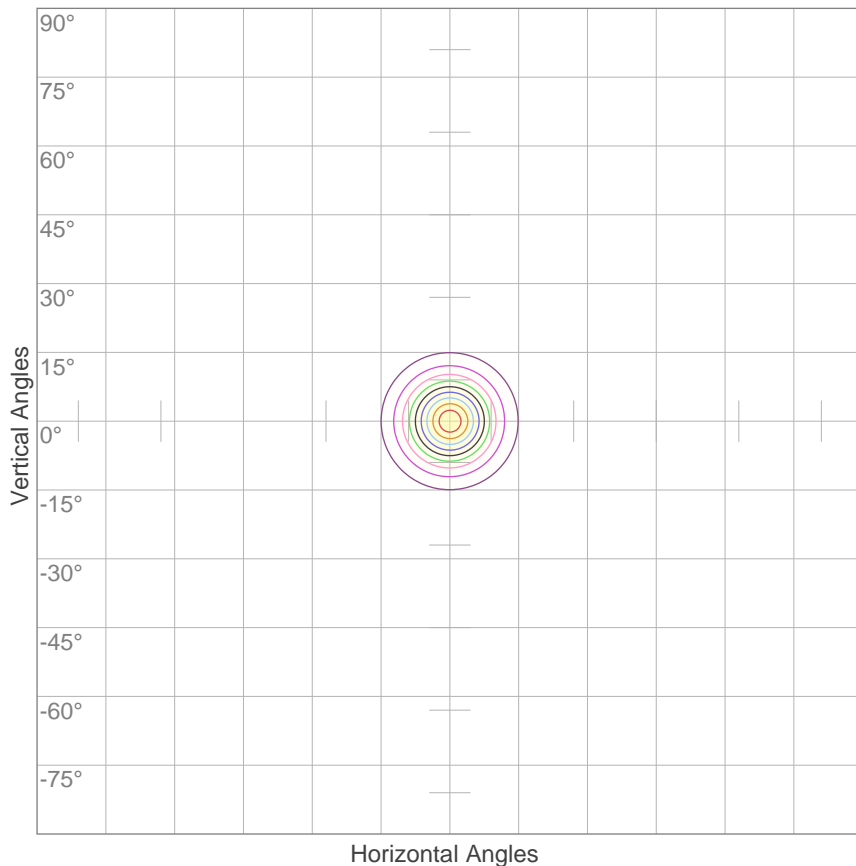
Beam Intensities from 1-20m

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	2553	638	284	160	102	71	52	40	32	26	21	18	15	13	11	10	9	8	7	6
fc	237.2	59.3	26.4	14.8	9.5	6.6	4.8	3.7	2.9	2.4	2	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.7	0.6

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
16.7°	33.2°	52.4°	97.5%	92.8%

ISO Diagrams

ISO Candela Diagram



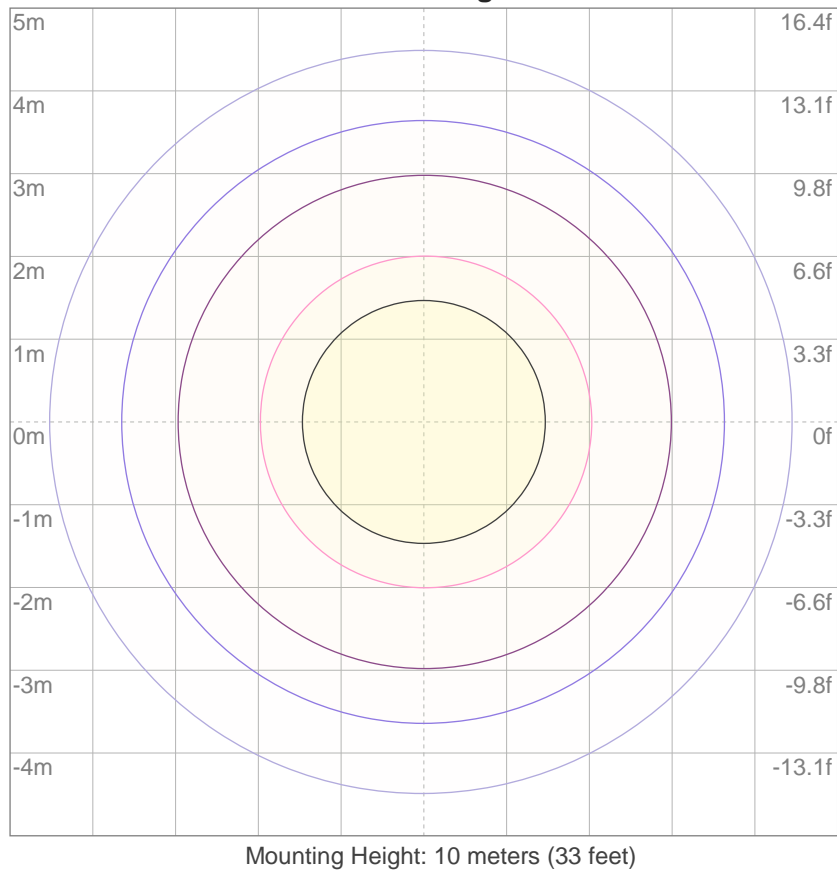
10%	255 cd
20%	511 cd
30%	766 cd
40%	1021 cd
50%	1276 cd
60%	1532 cd
70%	1787 cd
80%	2042 cd
90%	2298 cd

Conditions:

Number of c-planes: 2

Candela at center: 2553 cd

ISO Lux Diagram



3%	0.766 lx
5%	1.28 lx
10%	2.55 lx
30%	7.66 lx
50%	12.8 lx

Conditions:

Number of c-planes: 2

Lux at center: 25.5 lx

*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*