

Color Temperature:



**Total Lumen Output:**  
658 lm

Light Quality:



**Peak:**  
4777 cd

Light Efficiency:



**Power: 58.2 W**



CIE 1931  
x: 0.606  
y: 0.393

**Test: Amber**

**Date: 7/2/2018**

**Voltage: 115 V**

**Current: 0.559 A**

**Frequency: 60 Hz**

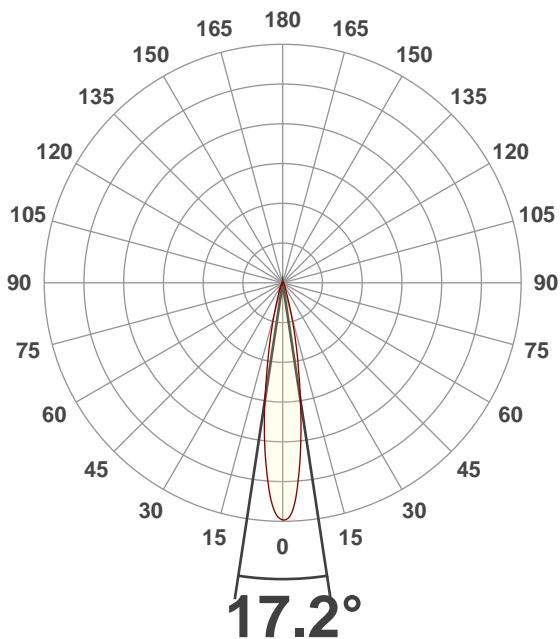
**CRI: -18.1**

**CQS: 0.0**

**TM30: 0.7**

**Note:**

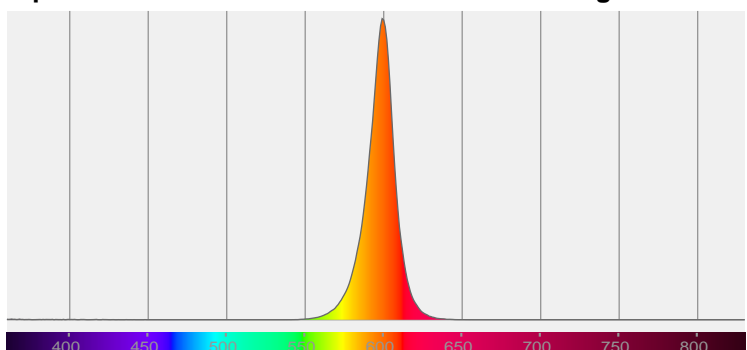
**Beam Angle**



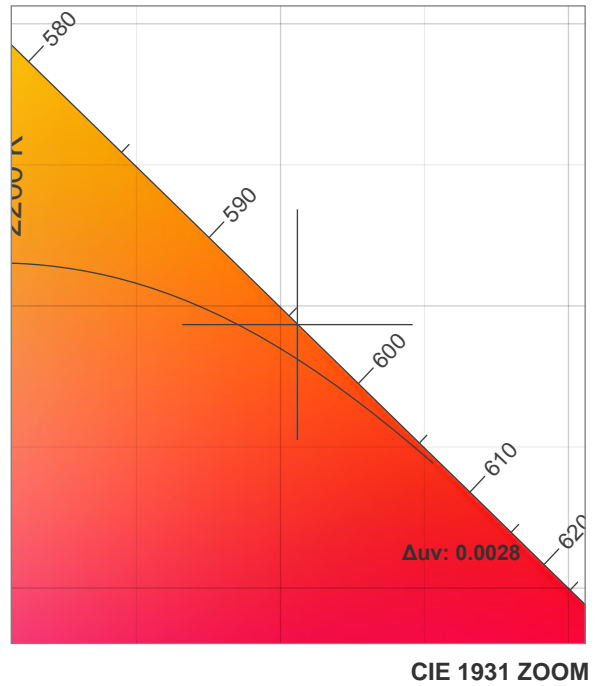
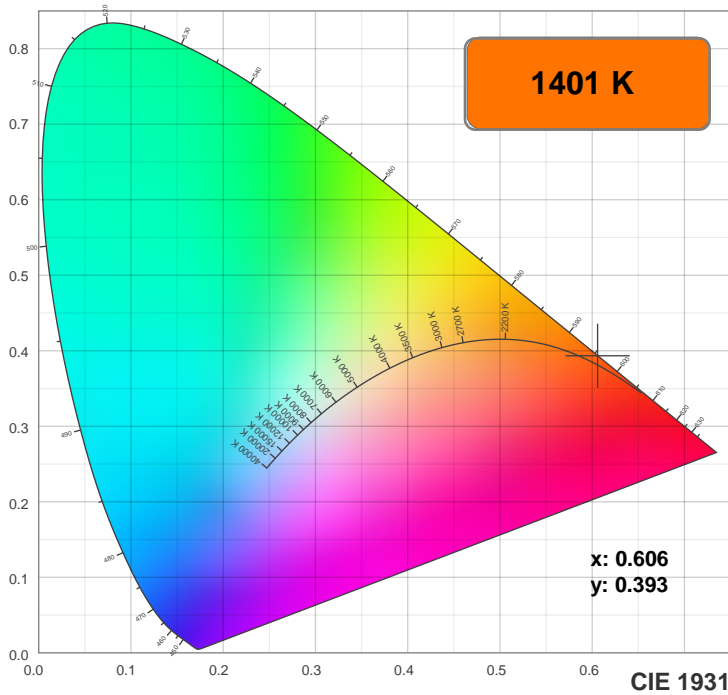
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
17.2°	33.1°	52.5°

**Spectra**

**Dominant Wavelength: 596nm**

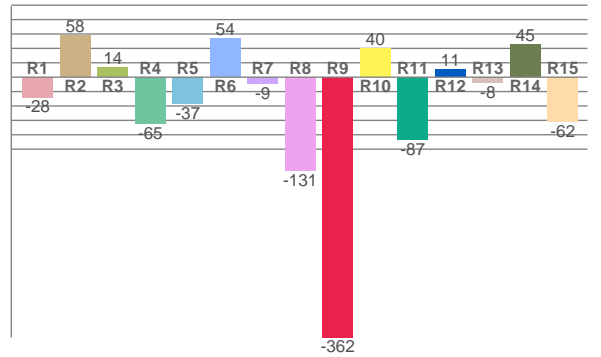
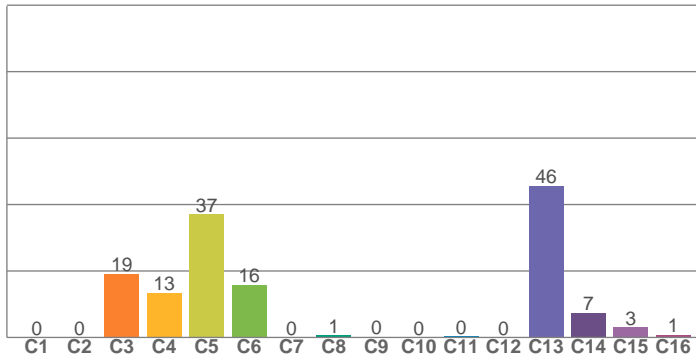


## Color Details



TM30: 0.7

CRI: -18.1 (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
-28.1	57.8	13.8	-65.1	-37.5	53.6	-9.2	-130.5	-361.6	39.9	-87.4	10.8	-8.0	44.9	-62.3

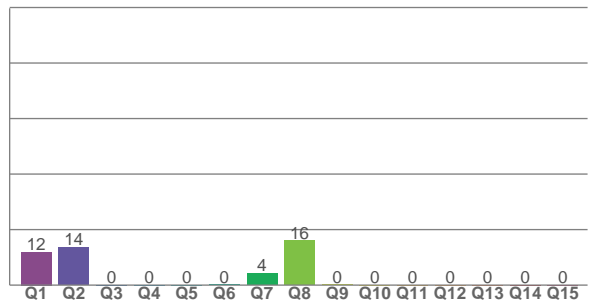
TM30 C Values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	19.2	13.3	37.0	15.7	0.1	0.6	0.1	0.0	0.3	0.0	45.6	7.4	3.0	0.7

QVS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
12.0	13.6	0.0	0.0	0.0	0.2	4.3	16.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1

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	Δuv
1401 K	-18.1	-361.6	0.7	2.6	0.0	0.606	0.393	0.372	0.363	0.0028

## TM30 Details

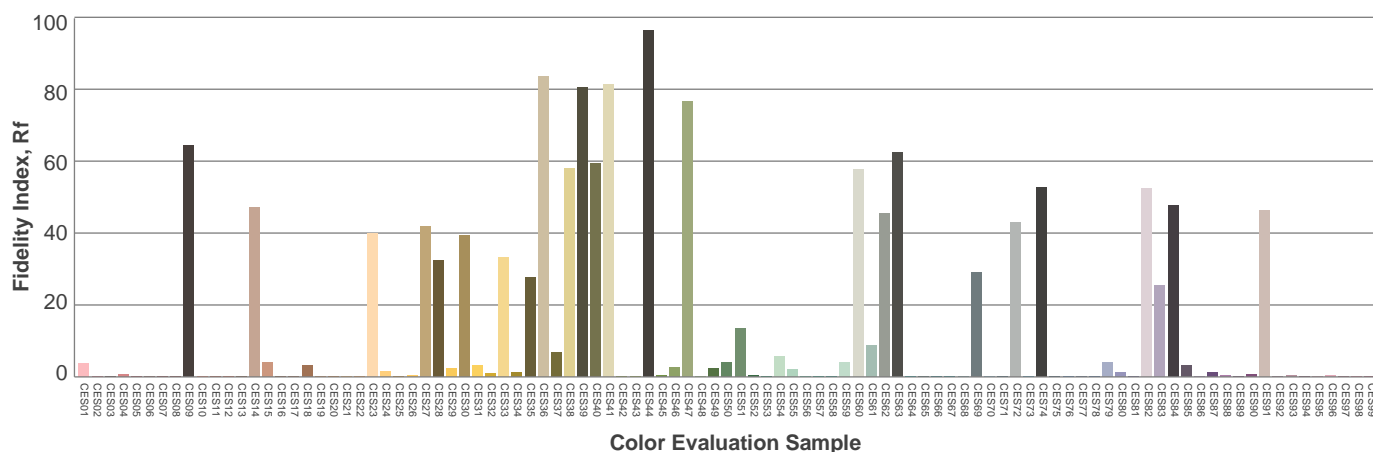
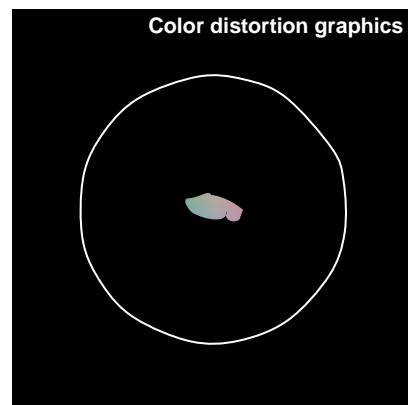
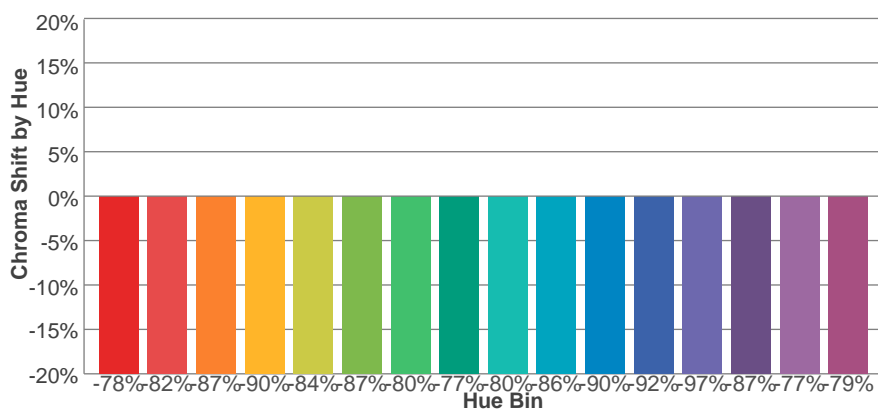
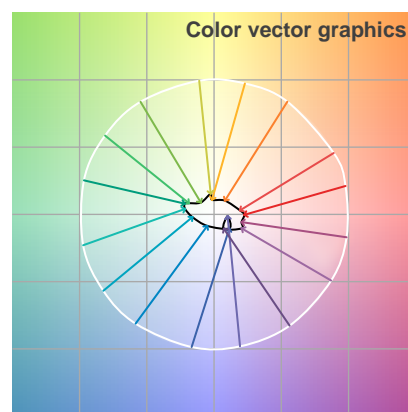
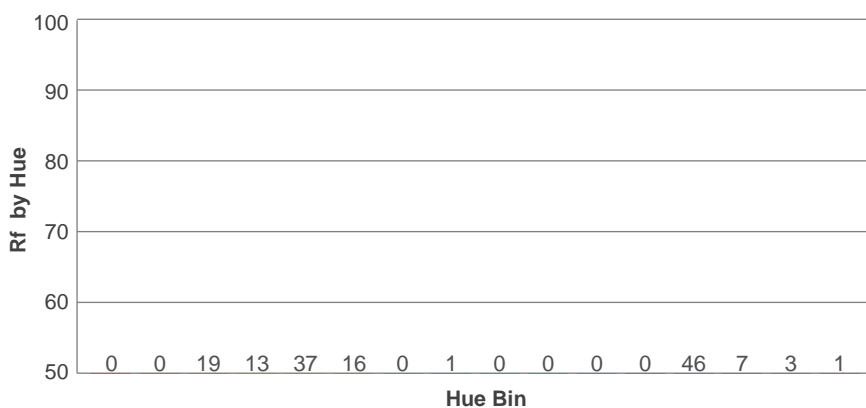
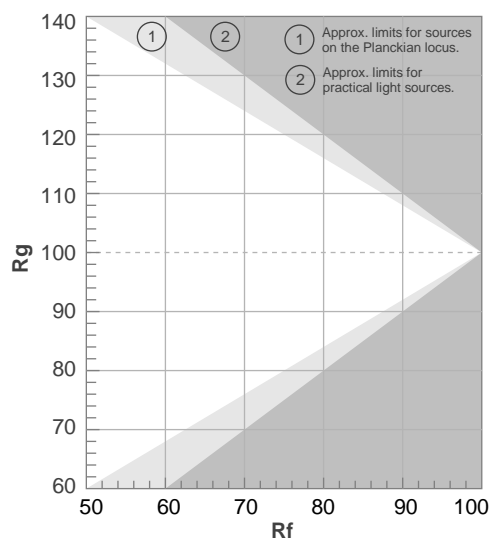
**Rf 0.7**

Fidelity Index Rf

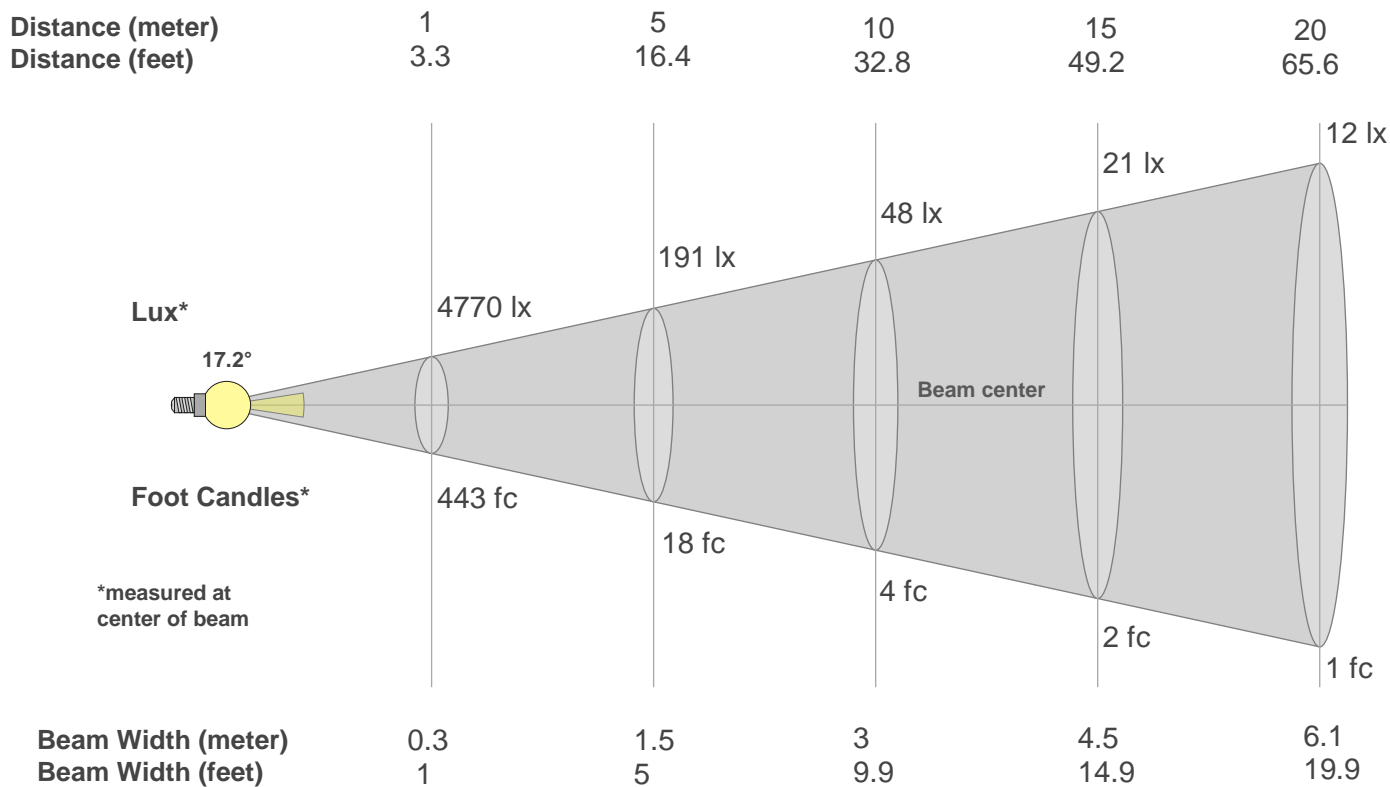
**Rg 2.6**

Gamut Index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	0	-78%	-6%
2	0	-82%	3%
3	19	-87%	-2%
4	13	-90%	7%
5	37	-84%	8%
6	16	-87%	4%
7	0	-80%	7%
8	1	-77%	2%
9	0	-80%	-12%
10	0	-86%	-9%
11	0	-90%	4%
12	0	-92%	10%
13	46	-97%	10%
14	7	-87%	-1%
15	3	-77%	-5%
16	1	-79%	-4%



## Beam Details



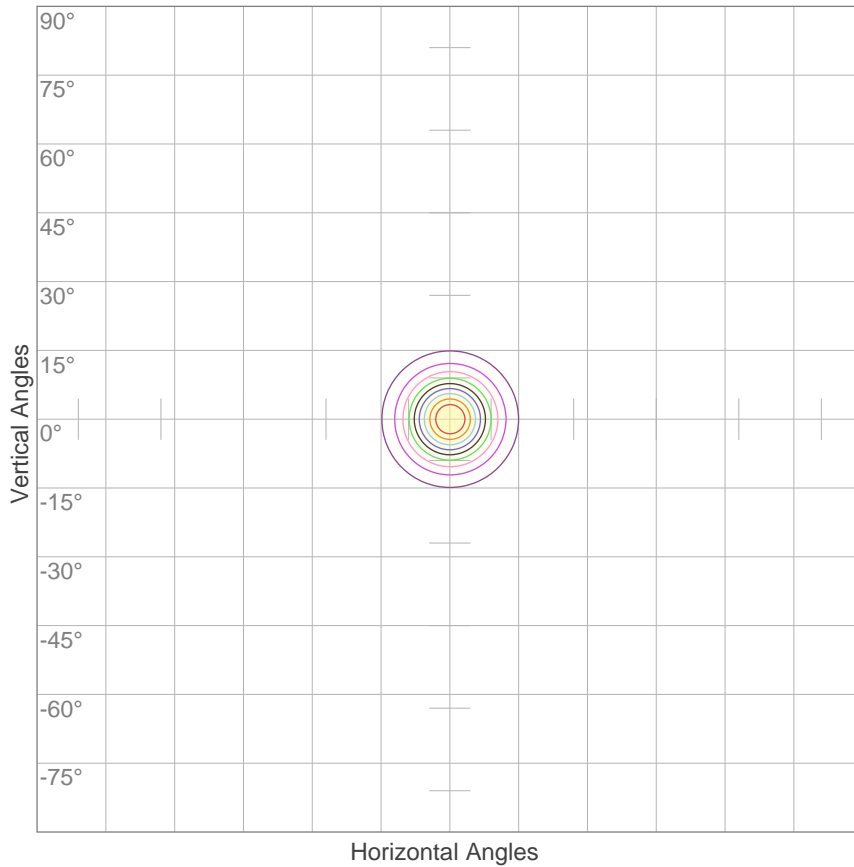
Beam Intensities from 1-20m

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	4770	1192	530	298	191	132	97	75	59	48	39	33	28	24	21	19	17	15	13	12
fc	443.1	110.8	49.2	27.7	17.7	12.3	9	6.9	5.5	4.4	3.7	3.1	2.6	2.3	2	1.7	1.5	1.4	1.2	1.1

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
17.2°	33.1°	52.5°	99.2%	95.1%

## ISO Diagrams

### ISO Candela Diagram



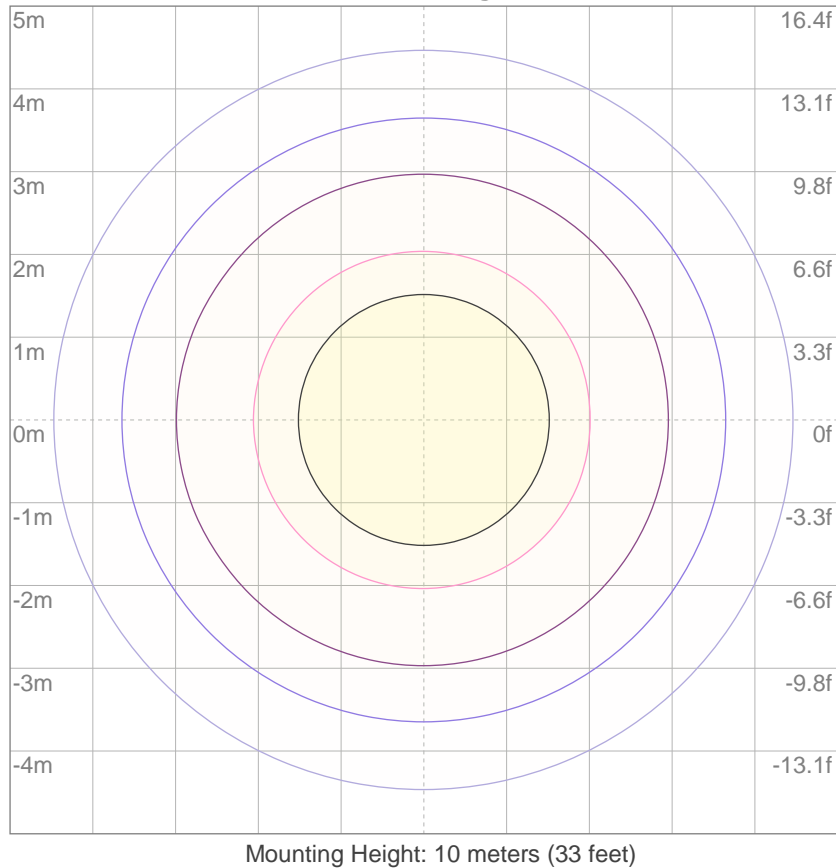
10%	477 cd
20%	954 cd
30%	1431 cd
40%	1908 cd
50%	2385 cd
60%	2862 cd
70%	3339 cd
80%	3816 cd
90%	4293 cd

#### Conditions:

Number of c-planes: 2

Candela at center: 4770 cd

### ISO Lux Diagram



3%	1.43 lx
5%	2.38 lx
10%	4.77 lx
30%	14.3 lx
50%	23.8 lx

#### Conditions:

Number of c-planes: 2

Lux at center: 47.7 lx

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