

# 32 Hex Panel IP W Diffuser



Light Efficiency:

20 Lumen/Watt

Light Quality:

CRI: -28.0

Color Temperature:

1566 K

Output: 869 lm

Peak: 2228 cd

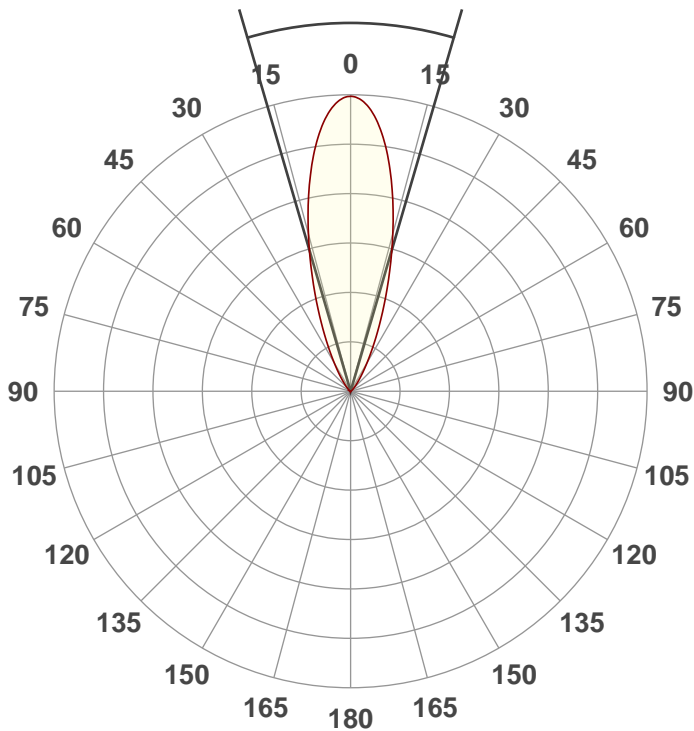
Power: 42.6 W

PF: 0.89



Beam Angle

32.5°



Test:

Amber

Date:

3/6/2019

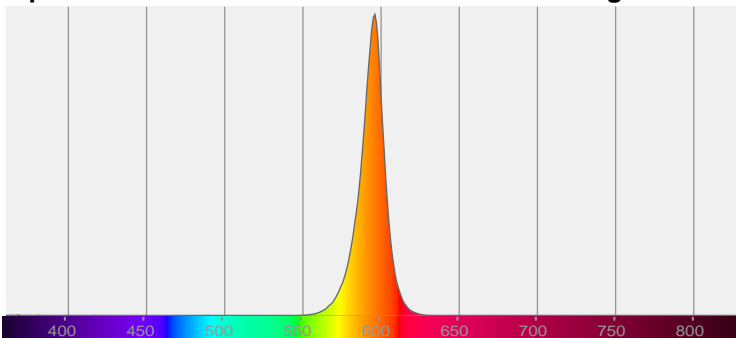
Note:



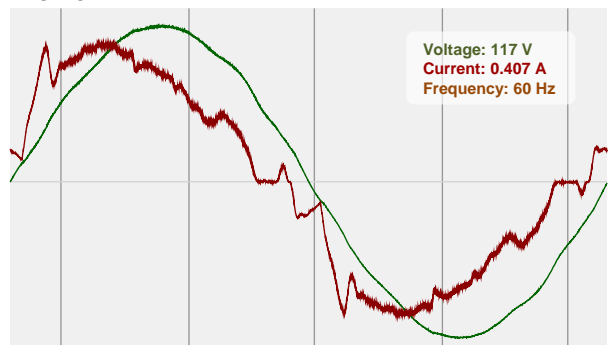
CIE 1931  
x: 0.589  
y: 0.410

Spectra

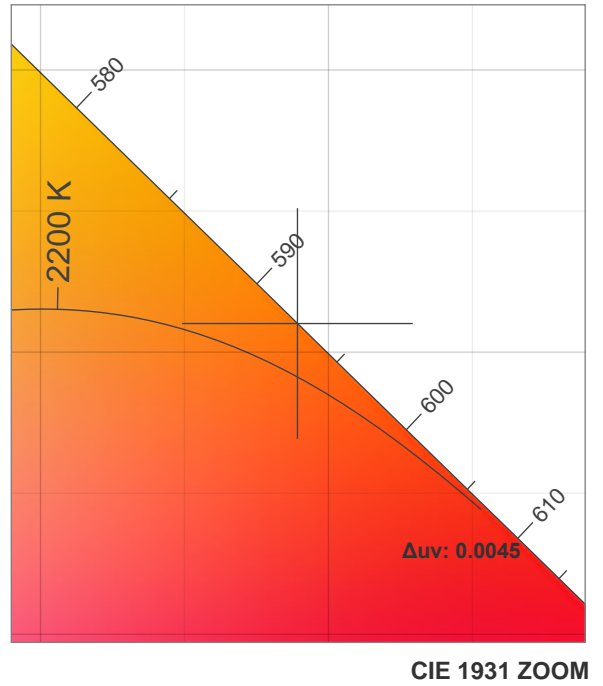
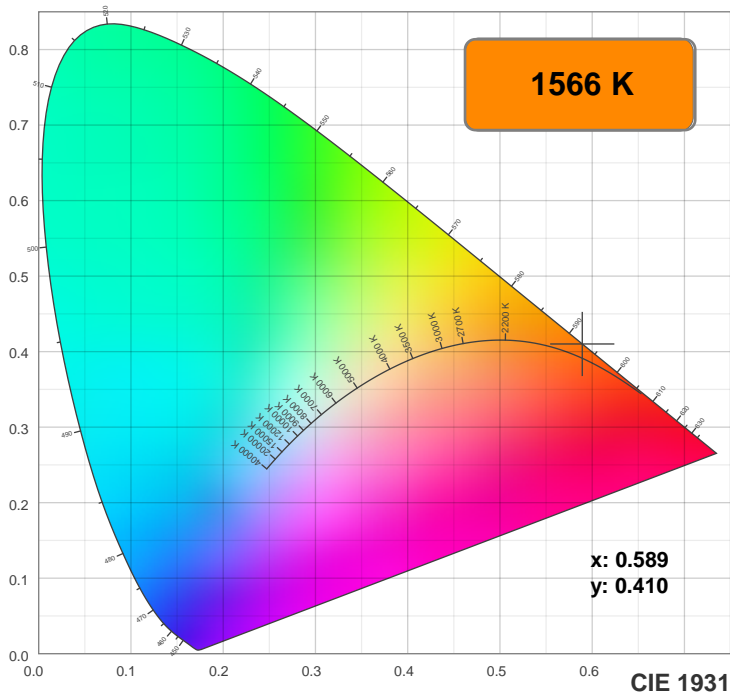
Dominant Wavelength: 592nm



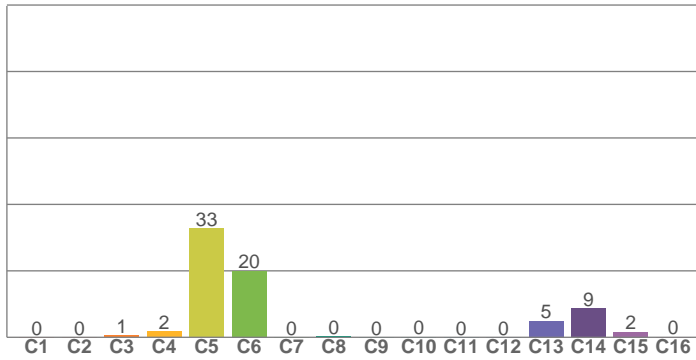
Power



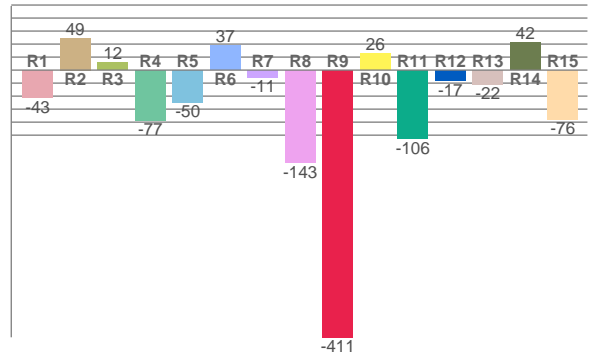
## Color Details



**TM30: 0.2**



**CRI: -28.0 (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
-42.6	49.5	12.0	-77.0	-49.7	37.4	-11.2	-142.5	-410.7	26.0	-106.0	-16.5	-22.1	42.1	-75.7

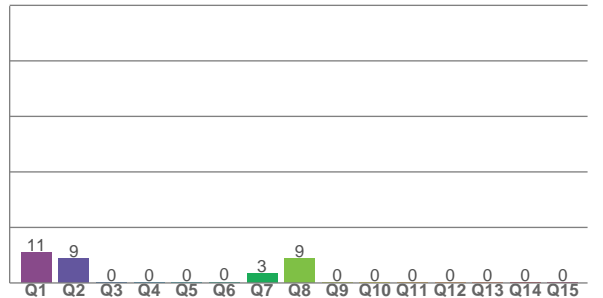
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	0.5	1.7	32.7	19.9	0.0	0.3	0.0	0.1	0.0	0.0	4.9	8.7	1.6	0.1

### CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
10.8	8.7	0.0	0.0	0.0	0.3	3.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1

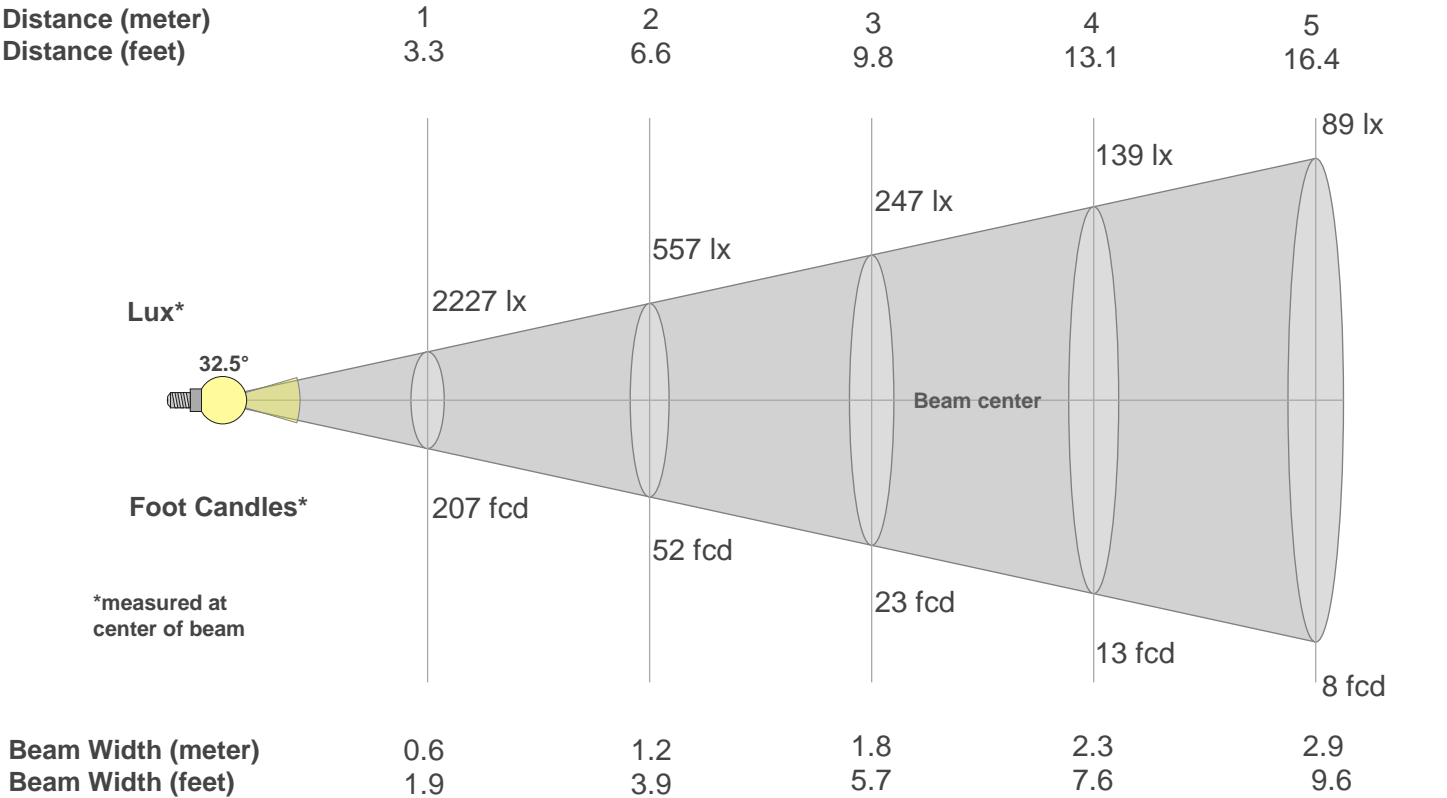
**CQS: 0.0**



## 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 Diviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
1566 K	-28.0	-410.7	0.2	0.2	0.0	0.589	0.410	0.350	0.365	0.0045

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	2227	557	247	139	89	62	45	35	27	22	18	15	13	11	10	9	8	7	6	6
fcd	206.9	51.7	23	12.9	8.3	5.7	4.2	3.2	2.6	2.1	1.7	1.4	1.2	1.1	0.9	0.8	0.7	0.6	0.6	0.5

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°
2227	2203	2136	2026	1881	1710	1524	1330	1139	956	789	641	514	406	318	247	191	146	113	87
100%	99%	96%	91%	84%	77%	68%	60%	51%	43%	35%	29%	23%	18%	14%	11%	9%	7%	5%	4%

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°	
2227	2203	2136	2026	1881	1710	1524	1330	1139	956	789	641	514	406	318	247	191	146	113	87	
100%	99%	96%	91%	84%	77%	68%	60%	51%	43%	35%	29%	23%	18%	14%	11%	9%	7%	5%	4%	

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°	
2227	2205	2136	2024	1880	1709	1522	1330	1139	957	792	645	517	408	320	249	192	148	114	88	
100%	99%	96%	91%	84%	77%	68%	60%	51%	43%	36%	29%	23%	18%	14%	11%	9%	7%	5%	4%	

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°	
2227	2205	2136	2024	1880	1709	1522	1330	1139	957	792	645	517	408	320	249	192	148	114	88	
100%	99%	96%	91%	84%	77%	68%	60%	51%	43%	36%	29%	23%	18%	14%	11%	9%	7%	5%	4%	

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
32.5°	61.6°	83°	99.4%	96.7%