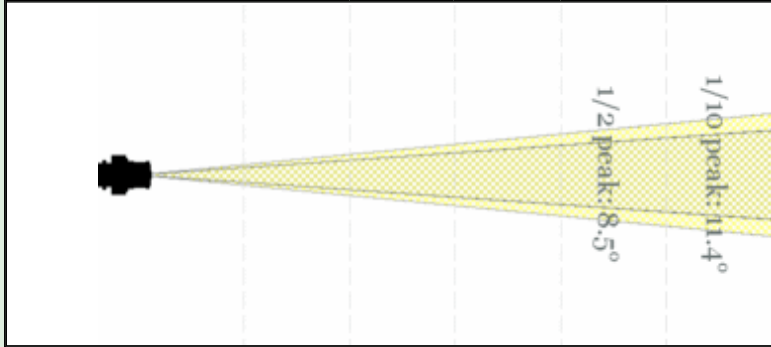


Standard (RGBW LEDs on) (11.4°)

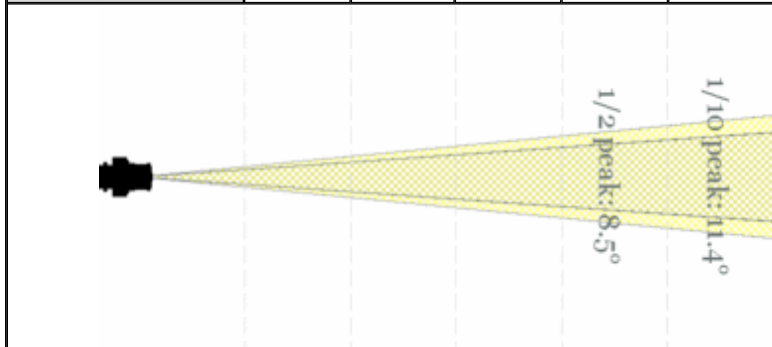
Distance (m.)	3	6	9	12	15
1/10 peak	0.6	1.2	1.8	2.4	3.0
1/2 peak	0.5	0.9	1.3	1.8	2.2
Illuminance (lux)	16000	4000	1778	1000	640



Efficacy
15 lumens per watt
Half-peak diameter
0.15 X distance(m)
One-tenth peak diameter
0.20 X distance(m)
Illuminance
$144000 / \text{distance}^2$ (lux)
Total Output
2900 (lumens)

Narrow (Only white LED's on) (11.4°)

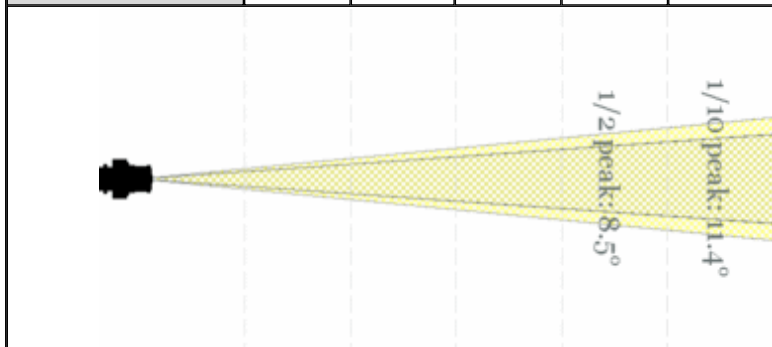
Distance (m.)	2	4	6	8	10
1/10 peak	0.4	0.8	1.2	1.6	2.0
1/2 peak	0.3	0.6	0.9	1.2	1.5
Illuminance (lux)	18000	4500	2000	1125	720



Efficacy
21.6 lumens per watt
Half-peak diameter
0.15 X distance(m)
One-tenth peak diameter
0.20 X distance(m)
Illuminance
$72000 / \text{distance}^2$ (lux)
Total Output
1300 (lumens)

Narrow (Only red LED's on) (11.4°)

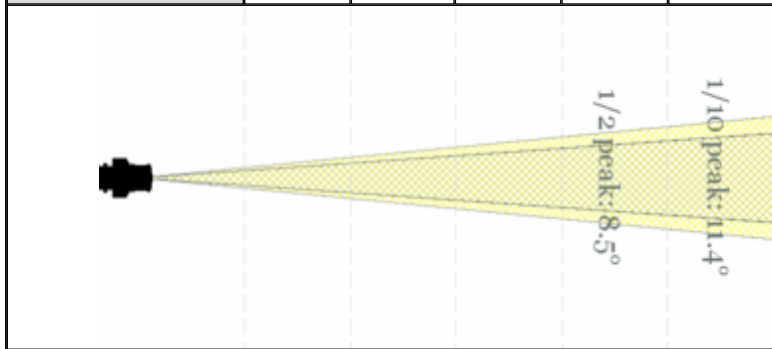
Distance (m.)	1	2	3	4	5
1/10 peak	0.2	0.4	0.6	0.8	1.0
1/2 peak	0.2	0.3	0.5	0.6	0.7
Illuminance (lux)	25000	6250	2778	1562	1000



Efficacy
7.5 lumens per watt
Half-peak diameter
0.15 X distance(m)
One-tenth peak diameter
0.20 X distance(m)
Illuminance
$25000 / \text{distance}^2$ (lux)
Total Output
490 (lumens)

Narrow (Only green LED's on) (11.4°)

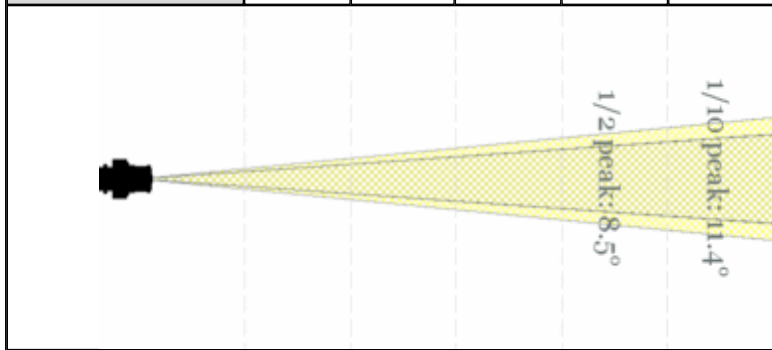
Distance (m.)	1.5	3	4.5	6	7.5
1/10 peak	0.3	0.6	0.9	1.2	1.5
1/2 peak	0.2	0.5	0.7	0.9	1.1
Illuminance (lux)	24889	6222	2765	1556	996



Efficacy
21.9 lumens per watt
Half-peak diameter
0.15 X distance(m)
One-tenth peak diameter
0.20 X distance(m)
Illuminance
56000 / distance ² (lux)
Total Output
1100 (lumens)

Narrow (Only blue LED's on) (11.4°)

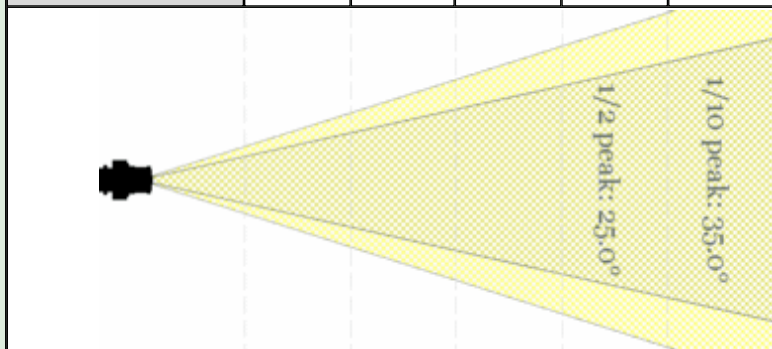
Distance (m.)	1	2	3	4	5
1/10 peak	0.2	0.4	0.6	0.8	1.0
1/2 peak	0.2	0.3	0.5	0.6	0.7
Illuminance (lux)	10000	2500	1111	625	400



Efficacy
3 lumens per watt
Half-peak diameter
0.15 X distance(m)
One-tenth peak diameter
0.20 X distance(m)
Illuminance
10000 / distance ² (lux)
Total Output
190 (lumens)

Medium (RGBW LED's on) (35°)

Distance (m.)	1	2	3	4	5
1/10 peak	0.6	1.3	1.9	2.5	3.2
1/2 peak	0.4	0.9	1.3	1.8	2.2
Illuminance (lux)	23000	5750	2556	1438	920



Efficacy
19.1 lumens per watt
Half-peak diameter
0.44 X distance(m)
One-tenth peak diameter
0.63 X distance(m)
Illuminance
23000 / distance ² (lux)
Total Output
3600 (lumens)

Wide (RGBW LED's on) (59°)

Distance (m.)	1	2	3	4	5
1/10 peak	1.1	2.3	3.4	4.5	5.7
1/2 peak	0.8	1.5	2.2	3.0	3.7
Illuminance (lux)	8500	2125	944	531	340

Efficacy
20.1 lumens per watt
Half-peak diameter
0.75 X distance(m)
One-tenth peak diameter
1.13 X distance(m)
Illuminance
$8500 / \text{distance}^2$ (lux)
Total Output
3800 (lumens)