

SL_Surf Type S_Type S PCB_95
CRI_3000K_133m_Medium2

Delivered Output: 85.3 Lumen



The diagram illustrates a 20-degree beam of light from a source. A central horizontal line represents the beam center. Vertical lines indicate distances from the source to various points along the beam. At each point, the beam width (diameter) is shown as an ellipse. The footcandle (fcd) and lux (lx) measurements are provided for each point, with lux values at the top and fcd values at the bottom of the beam width ellipses. The beam width increases linearly with distance, while the footcandle and lux values decrease as the distance increases.

Distance (meter)	Distance (feet)	Beam width (meter)	Beam width (feet)	Lux*	Footcandles*
0.3 m	3.3 ft	0.3 m	1.1 ft	627 lx	58.2 fcd
0.7 m	6.6 ft	0.7 m	2.3 ft	157 lx	14.6 fcd
1 m	9.8 ft	1 m	3.4 ft	70 lx	6.5 fcd
1.4 m	13.1 ft	1.4 m	4.5 ft	39 lx	3.6 fcd
1.7 m	16.4 ft	1.7 m	5.6 ft	25 lx	2.3 fcd

*measured at center of beam

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
19.5°	35.9°	46.2°

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
718 cd	99.3%	98.9%

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
627lx	157lx	70lx	39lx	25lx	17lx	13lx	10lx	8lx	6lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	2lx
58.2fcd	14.6fcd	6.5fcd	3.6fcd	2.3fcd	1.6fcd	1.2fcd	0.9fcd	0.7fcd	0.6fcd	0.5fcd	0.4fcd	0.3fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd

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