

SL\_ZTA.70 Surface\_6mm  
COB\_SL98\_3000K\_923lm\_Narrow\_11°

Delivered Output: 781 Lumen



The diagram illustrates the beam spread of a 11-degree light source. It shows a cone of light originating from a point labeled '11°'. The beam is divided into sections by vertical lines at distances of 1m, 2m, 3m, 4m, and 5m. At each distance, the beam width (diameter) and the illuminance (lux and footcandles) are indicated. The beam width increases linearly with distance, while the illuminance decreases as the distance increases. The beam is labeled 'beam center' and the illuminance is measured at the center of the beam.

Distance (meter)	Distance (feet)	Beam width (meter)	Beam width (feet)	Lux*	Footcandles*
1 m	3.3 ft	0.2 m	0.6 ft	14914 lx	1385.5 fcd
2 m	6.6 ft	0.4 m	1.3 ft	3728 lx	346.4 fcd
3 m	9.8 ft	0.6 m	1.9 ft	1657 lx	153.9 fcd
4 m	13.1 ft	0.8 m	2.5 ft	932 lx	86.6 fcd
5 m	16.4 ft	1 m	3.2 ft	597 lx	55.4 fcd

\*measured at center of beam

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%
11°	20.2°	32.2°

Peak intensity	Int. ratio in 120° cone	Int. ratio in 90° cone
15010 cd	98.5%	97.7%

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
14914lx	3728lx	1657lx	932lx	597lx	414lx	304lx	233lx	184lx	149lx	123lx	104lx	88lx	76lx	66lx	58lx	52lx	46lx	41lx	37lx
1385.5fcd	346.4fcd	153.9fcd	86.6fcd	55.4fcd	38.5fcd	28.3fcd	21.6fcd	17.1fcd	13.9fcd	11.5fcd	9.6fcd	8.2fcd	7.1fcd	6.2fcd	5.4fcd	4.8fcd	4.3fcd	3.8fcd	3.5fcd

Stoane Lighting advise that lighting designers apply a +/- 5% tolerance allowance on the files we provide as subtle variations in system components (eg slight variations in output of LED light sources through a bin) and ambient temperature variations can effect output and distribution slightly.