

**Optical Performance**


Brightness distribution is measured using a CCD camera system. Three levels are expressed by areas and colors. The highest brightness is 100% and the other areas are assigned a percentage according to their measured value. Data is collected from testing red and white LED lights. An output difference between lights is normal and is the result of LED tolerances from the manufacturer.

**S30 with Wide Lenses**

Working Distance mm (inches)	Pattern (80%-100% measured intensity)
	mm (Inches)
.5m (19.7")	200mm(7.8") D
1m (39.4")	400mm(15.7") D
1.5m (59")	600mm(23.6") D
2m (78.8")	800mm(31.5") D

Typical output performance	Illumination (Lux)
Distance = 1 meter	260
<i>Illumination measurement taken on White Lights – 6500K</i>	

**Brightness Distribution**  
 Measured at 1m
