

K7 Photometric Data

K7 2700 Kelvin

BB&S K7 Twist - 2700K Optics: Narrow

Distance Feet	3	6	10	12	16
Footcandles	246,5	61,6	27,4	15,4	9,9
Distance Meters	1	2	3	4	5
LUX	2653	663	295	166	106

BB&S K7 Twist - 2700K Optics: Medium

Distance Feet	3	6	10	12	16
Footcandles	81,2	20,3	9	5,1	3,2
Distance Meters	1	2	3	4	5
LUX	874	218	97	55	35

BB&S K7 Twist - 2700K Optics: Wide

Distance Feet	3	6	10	12	16
Footcandles	46,1	11,5	5,1	2,9	1,8
Distance Meters	1	2	3	4	5
LUX	496	124	55	31	20

BB&S K7 Twist - 2700K Optics: Ellipsoidal

Distance Feet	3	6	10	12	16
Footcandles	88,6	22,2	9,8	5,5	3,5
Distance Meters	1	2	3	4	5
LUX	954	238	106	60	38

K7 3000 Kelvin

BB&S K7 Twist - 3000K Optics: Narrow

Distance Feet	3	6	10	12	16
Footcandles	224,8	56,2	25	14,1	9
Distance Meters	1	2	3	4	5
LUX	2420	605	269	151	97

BB&S K7 Twist - 3000K Optics: Medium

Distance Feet	3	6	10	12	16
Footcandles	79	19,7	8,8	4,9	3,2
Distance Meters	1	2	3	4	5
LUX	850	212	94	53	34

BB&S K7 Twist - 3000K Optics: Wide

Distance Feet	3	6	10	12	16
Footcandles	45,3	11,3	5	2,8	1,8
Distance Meters	1	2	3	4	5
LUX	488	122	54	30	20

BB&S K7 Twist - 3000K Optics: Ellipsoidal

Distance Feet	3	6	10	12	16
Footcandles	85,7	21,4	9,5	5,4	3,4
Distance Meters	1	2	3	4	5
LUX	922	230	102	58	37

K7 4000 Kelvin

BB&S K7 Twist - 4000K Optics: Narrow

Distance Feet	3	6	10	12	16
Footcandles	222,9	55,7	24,8	13,9	8,9
Distance Meters	1	2	3	4	5
LUX	2399	600	267	150	96

BB&S K7 Twist - 4000K Optics: Medium

Distance Feet	3	6	10	12	16
Footcandles	81,9	20,5	9,1	5,1	3,3
Distance Meters	1	2	3	4	5
LUX	881	220	98	55	35

BB&S K7 Twist - 4000K Optics: Wide

Distance Feet	3	6	10	12	16
Footcandles	46,5	11,6	5,2	2,9	1,9
Distance Meters	1	2	3	4	5
LUX	500	125	56	31	20

BB&S K7 Twist - 4000K Optics: Ellipsoidal

Distance Feet	3	6	10	12	16
Footcandles	246,5	61,6	27,4	15,4	9,9
Distance Meters	1	2	3	4	5
LUX	909	227	101	57	36

All IES, Fixture Files & Photometric Data are available on our website for download: www.brothers-sons.dk



What is LUX?

The lux is the SI derived unit of illuminance & luminous emittance, measuring luminous flux per unit area.

In photometry, this is used as a measure of the intensity, as perceived by the human eye, of the light that hits or passes through a surface.

One lux is equal to one lumen per square metre:
 $1 \text{ lx} = 1 \text{ lm/m}^2 = 1 \text{ cd}\cdot\text{sr/m}^2$.

A flux of 1000 lumens, concentrated into an area of 1 square metre, lights up that square metre with an illuminance of 1000 lux. However, the same 1000 lumens, spread out over 10 square metres, produce a dimmer illuminance of only 100 lux.

What is Foot-Candle?

The unit foot-candle is defined as the amount of illumination the inside surface of a one-foot-radius sphere would be receiving if there were a uniform point source of one candela in the exact center of the sphere. Alternatively, it can be defined as the illuminance on a one-square foot surface of which there is a uniformly distributed flux of one lumen.