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VL1100 Tungsten ERS - Photometrics

VL1100 ERS Luminaire - 1000W Tungsten Halogen (100V Lamp)

FIELD ANGLE (Degrees)	FIELD DIAMETER TN ¹	BEAM ANGLE (Degrees)	BEAM DIAMETER TN ¹	CANDELA (cd)
19.5	.344	14.5	.254	151,300
27.0	.480	20.0	.353	85,700
37.0	.669	26.5	.471	44,400
70.0 (Super Zoom)	1.40	30.0	.536	21,400

VL1100 ERS Luminaire - 1000W Tungsten Halogen (115V Lamp)

FIELD ANGLE (Degrees)	FIELD DIAMETER TN ¹	BEAM ANGLE (Degrees)	BEAM DIAMETER TN ¹	CANDELA (cd)
19.5	.344	14.5	.254	146,200
27.0	.480	20.0	.353	82,000
37.0	.669	27.0	.480	42,700
70.0 (Super Zoom)	1.40	31.0	.555	20,700

VL1100 ERS Luminaire - 1000W Tungsten Halogen (230V Lamp)

FIELD ANGLE (Degrees)	FIELD DIAMETER TN ¹	BEAM ANGLE (Degrees)	BEAM DIAMETER TN ¹	CANDELA (cd)
19.5	.344	14.0	.246	127,400
27.0	.480	20.0	.353	70,200
37.0	.669	26.5	.471	36,300
70.0 (Super Zoom)	1.40	30.5	.545	17,580

¹ Multiply distance by Tn to determine beam/field diameter.

To calculate center beam Illuminance (I) in footcandles, at a specific distance (D): $I = cd/D^2$

- if (D) is in feet, (I) is in foot candles

- if (D) is in meters, (I) is in lux

All data taken with a seasoned light source at 20 hours of life.