

PHOTOMETRICS, COLORIMETRY AND FIELD COVERAGE

Warning

It is worth reminding the end users that the scientific international institutions like CIE (Commission Internationale d'éclairage) being responsible and qualified for setting the photometrics standards, have recognized that the parameters and instruments currently used for halogen or discharge and florescent sources are inadequate for LEDs. Instruments and comparative methods still have to be set, and only the irradiations values would be significant. Therefore the following data are based on the existing survey procedures and they are just indicative.

We suggest to evaluate the correspondence of the lanileds to the shooting needs on the field with one's own operational equipment. The lanileds sophisticated electronics and the filtering options will always allow for the right adjustments on the production set.

IANILED 6 Lenses	Coverage in cms. at 3 metres	Coverage in cms. at 2 metres	Coverage in cms. at 1 metre
MEDIUM	100	96	46
MED+DIF	150	110	52
WIDE	174	164	60
WIDE+DIF	190	182	72
SPOT	70	52	24
SPOT+DIF	110	110	44
IANILED 7 Lenses			
MEDIUM	120	90	41
MED+DIF	160	130	57
WIDE	175	120	61
WIDE+DIF	216	144	67
SPOT	127	88	//
SPOT+DIF	68	45	//

The colour temperature average values resulting from the use of the various lenses and diffusers, are within the range of 5100°k-5600°k (+/-10%).

The average LUX values taken at 2 metres are from 600 lx to 215 lx for the laniled 6 and from 693 lx to 236 lx for the laniled 7, depending on the type of lenses used (from spot to wide).It is opportune to consider a drop in the light emission of 40% when the diffusers are used.

The photometric, colorimetry and coverage data are to be considered indicative for the reasons above explained.

Because of the assembly of more light emitting diods in one array, it is possible to note some differences from fixture to fixture.

The measurements are taken by sample and they take into account an average response to all parameters. The missing data are not relevant for the practical use.

The photometrics expressed in LUX are taken at a typical operational distance of 2mt.

The correspondence to the most common recording media is accurate and precise.

The values were taken in absolute dark and reflections free room.

The field is calculated at 50% of the peak value.

The colorimetry, resulting from an accurate selection of LED, presents minor fluctuations that are irrelevant in the practical use of cine photo and television systems.

Rarely it can be found a presence of 5-7 green tone values; also these are insignificant in practice.

The peculiar spectral emission of LED can show discrepant data with various thermocolometres. Therefore we suggest to test the lighting fixtures with one's own equipment and operational methods.

The samples that show substantial variations from the data taken are immediately excluded from the assembly and distribution chain.

Should the user claim manufacturing anomalies, the unit will be replaced according to IANIRO General Conditions for sale and warranty terms.