

One of the requirements in machine vision applications, the light source and environment is selected correctly. If analysis of the desired object not enough, and carefully illuminated, Get to the image, to obtain the desired results remain inadequate transportation. Correctly a lighting luminaires that the presence of the object is examined to distinguish it from interacting and ensures correct attributes.

In this study, an area closed to clarify, intelligent dynamic lighting system has been

developed. The test luminaire with three arms and each arm three-axis accelerometer angle based on the position and angle control can be performed. Illumination of the point of wanting to experiment with the system developed by the armature positions bipolar sigmoid technique is able to estimate the user.

The system is calibrated with Luxmetre light level on the surface of the test during the 72 measures and the program interface with LDR is calculated on the amount of light that falls on the area. The first phase of the study, three-spoke bright led lighting

system ARD falling on the LDR level for each test fixture according to the value of the electronic circuit to measure the angle of the arms, In the second phase of the study, with the help of a user interface chosen to illuminate the LDR group estimate the angle of the arms.