



LUX LEVELS FOR MINING APPLICATIONS

The lux levels required in underground mining applications vary based on the specific use and conditions of the mine. In general, the lux level must be sufficient to ensure the safety and productivity of workers, while also meeting relevant health and safety regulations.

According to international mining standards and regulations, such as the International Labour Organization (ILO) and the South African Department of Mineral Resources, the standard recommends a minimum illuminance of 20 lux for haulage roads, 50 lux for loading and tipping points, and 100 lux for work areas where visual tasks are performed. The standard also recommends higher levels of illuminance for emergency areas and areas where safety-related tasks are performed. Kindly note that these are general guidelines, and the actual lux level required in a mine may vary based on the size and layout of the mine, the type of ore and minerals being extracted, and the specific lighting fixtures and systems used.

A lighting designer or engineer will assess these factors and make recommendations for the appropriate lux level based on the specific needs of the mine.

