



LED COB (CHIP ON BOARD)

COB refers to a "chip on board" layout of LEDs.

COB LED systems are often more reliable than other LED luminaires because they contain multiple LED chips that are connected together in a single package, which helps to ensure that the overall system is more reliable and efficient than a single-chip LED luminaire. Additionally, COB LED systems are typically designed to be more durable and have a larger thermal footprint, which helps to ensure that they have a longer lifetime than other LED luminaires. It is also important to select LED lighting fixtures that are designed to withstand higher temperatures, as this will help to reduce lumen depreciation and ensure the LED light's performance is not compromised.

Many of the cheaper luminaires utilise a single high power chip system in their luminaires. This type of system will concentrate significantly more heat at the thermal junction which cannot be dissipated at an effective rate and will result in early degradation and or failure. In addition, if the driver is installed too close to the LED chips the electronic components will be prone to early failure.

