

## **Guide to LED Lighting Technology & Terminology**

### **Colour Rendering Index - (Ra)**

This is a measure of how well an artificial light source renders colours. Typically luminaires for working environments should exceed 80, which all our products do and we can supply relevant test data to back this up. In some installations a higher CRI of 90+ is required and we can supply most products in our range with this higher level of colour quality.

### **LL/CW**

Luminaire lumens per circuit watt tell you the efficiency of the luminaire and allows for comparison between different luminaire products. This figure takes into account optical losses within the fitting and also electrical power losses of a driver.

### **L70/B10**

The expected lifetime of the LED luminaire, i.e. 75,000 hours, this figure is deducted made up of light output degradation - L70, when the luminaire is at 70% of original light output & expected failure rate, -B10 where 10% of the LED's have failed to meet the life expectancy

### **Colour Temperature °K**

The approximate colour temperature of the luminaire. This ranges from 2300 °K(warm white) to 6000 °K(cool white). Our products are supplied in 4000°K as standard but are readily available in 3000°K & 6000°K. As LEDs get cooler you see an increase in efficiency, therefore a 6000°K variant will be slightly more efficient (producing more light) than a 3000°K variant.