

Energy

Energy efficiency can no longer be the bastion of the 'green' lobby and indeed, the current Building Regulations and CIBSE's Code of practice for interior lighting call for energy efficient lighting to be installed as a matter of course in appropriate environments.

CIBSE's Code of practice for interior lighting gives Energy Efficiency Targets, with installed power density ranges given for various applications, lamp types and room sizes (installed power density being measured in watts/m² /100 lux of maintained illuminance).

The lower the value, the more energy efficient the lighting installation will be. The task of the lighting designer therefore is to seek as low a value as possible, whilst embracing all of the other lighting quality issues addressed in the code.

The first step in achieving the installed power density targets is the correct specification of lamps and luminaires.

Lumens
per Watt output

