# Lighting Controls

**Current Eligibility Criteria**

Eligible types of lighting controls are those that are can be used to ensure that lighting equipment is only switched on when needed and thereby minimising unnecessary energy consumption.

Dedicated 'scene setting' lighting controls are not included.

There are two fundamental types of control for artificial lighting – 'on/off switches' or dimmers. These may be activated manually, by timing device (time switches), presence detectors or light sensors (photocells). The control elements can be used on their own or in combinations to meet individual installation operating requirements.

Manual controls for lighting installations such as wall mounted switches or pull switches are generally part of the normal electrical installation contracting materials for lighting installations and are therefore not regarded as Lighting Controls in ETL.

The types of equipment listed below are dedicated automatic or semi automatic lighting controls either for individual use or for use as elements of an overall lighting control system.

The types listed are those that ensure lighting equipment is:

- Switched on only when needed thereby minimising energy consumption, or
- Regulated in terms of light output (and energy consumption) to take full advantage of daylight availability.

**Table 7: Eligible Lighting Control Equipment**

| Type | Function |
|---|---|
| Time controller | Automatic time switch device to switch lighting 'on' and/or 'off' at predetermined times or intervals. |
| Presence detector & controller | Automatic device detecting occupancy or movement in an area to switch lighting "on" and "off" according to occupancy needs. |
| Daylight detection and switching controller | Device to monitor daylight availability in an area and control the switching of lighting "on" and "off" in line with occupants needs. |
| Daylight detection & regulation controller | Device to monitor daylight availability in an area and regulate the light output of the electric lighting to provide only sufficient artificial lighting to supplement the daylight component. Generally used in conjunction with high frequency fluorescent luminaires equipped with dimmable ballasts. |
| Central control unit | Control unit for an overall managed lighting control system utilising some or all of the types of control elements listed above |
| **Furthermore, to qualify:**<br>- Lighting control equipment to comply with EN 50081 and EN 50082 (mandatory for EMC protection) and relevant sections of either EN 60669 or EN 60730. | |

**NOTE:**

1. Manufacturers produce a wide range of equipment falling within the above definitions. Equipment should be selected in terms of performance specification appropriate to any given installation and user requirements.
2. Installation accessories associated with lighting controls installations are regarded as part of the controls installation contracting cost.