

enLighten designed wireless (RF) controls are embedded into the light fitting and do not require a separate hard wired control system.

Area	Control Capability	Benefit
Undercover car park entrances	Enables dimming down from required 800 lux during daytime to 160 lux at night	<ul style="list-style-type: none"> • Energy savings • Reduced lighting wastage • Eliminating bank of luminaires required otherwise to meet lighting compliance

Order Code: CECS - Car park entry control system

SYSTEM COMPONENTS

- Twilight sensor and control box with wireless Xbee module mounted on the L shaped bracket (fig 1)
- Individual Radio Frequency (RF) receiver module fitted into each Tauro Eco luminaire (fig 2)

The control box and twilight sensor are both mounted on the L shaped bracket. Only four screws are required to mount the whole system.

HOW DOES SMART CONTROL WORK?

The smart control device can communicate with a bank of luminaires that are each fitted with the RF Xbee receiver module. The twilight sensor box assesses the outside light via a Photo Electric (PE) cell.

The sensor box communicates with the lights via a wireless mesh network to automatic dim the lights to provide a light level that achieves 800 lux during the daytime and 160 lux after dusk.

The transition between the two settings takes approximately 30 seconds. After an initial setup, the system will operate automatically.



Fig 1: L shaped bracket with twilight sensor and control box



Fig 2: Integrated wireless receiver module



Fig 3: Daytime setting for 800 lux output



Fig 4: Night time setting for 160 lux output



800 lux output



160 lux output