

Gym

The gym shall use DSI fluorescent dimming control to allow lighting to be maintained at optimum levels and to take advantage of natural daylight. A local control panel shall control lighting and motorised blinds.

Multi sensors shall be used for light level sensing and occupancy sensing. Multi sensors and DSI controlled luminaires shall be zoned according to their proximity to natural light. When no occupancy is detected for 30 minutes, the lights shall fade off over 30 seconds.

Button	Function	Button	Function
1	Lights on	2	Lights off
3	Blinds open	4	Blinds close

Table 24 – Functions, gym local control panel

Device Ref.	Cat. No.	Description	Channel ID
DSI	5508DSIP	C-Bus DSI Gateway	
RLY	L5501RBCP	C-Bus Shutter Relay	
MSR	5753PEIRL	C-Bus PIR Multi Sensor	
LCP	SC5034NL	4 Button C-Bus Slimline Wall Switch	

Table 25 – Gym lighting control system units

Internal Car Park

The internal car park shall use switched fluorescent lighting organised so that every second luminaire is switched as one bank. Each entrance/exit including the lift lobby area shall be lit by a fluorescent luminaire which shall remain on at all times. 360° ceiling mounted PIR occupancy sensors shall be located at the vehicular and pedestrian entrance and exit points, including the lift lobby area. An additional sensor shall be located in each car park aisle.

During office hours the lights are switched on when the first person arrives (via an occupancy sensor). At a specified time, a schedule operated by the Schedule Controller shall switch the lights to after hours mode.

After hours the car park lights are switched on when occupancy is detected. Once occupancy has not been detected for 20 minutes one bank of lights is switched off (leaving every second luminaire on). If no occupancy is detected for a further 10 minutes the remaining bank of lights is switched off.

Device Ref.	Cat. No.	Description	Channel ID
RLY	L5504RVFP	4 Channel C-Bus DIN Voltage Free Relay	
OCS to OCS	5753L	C-Bus 360° PIR Occupancy Sensor	

Table 26 – Internal car park lighting control system units