

Outdoor Car Park

The outdoor car park and associated pathways shall use DALI controlled lighting with daylight sensing. The car park lights shall activate whenever light falls below a threshold, and either Master Off is not set, or the time is between hours specified in a schedule. The lights shall switch off when the light level increases above a threshold. The thresholds shall be set so as to prevent short on/off cycling of the lights. Schedules shall be controlled via an Ethernet capable Schedule Controller. During dark conditions, car park lights shall remain on for a further 30 minutes after Master Off has been set.

Email address and mail server details shall be provided by the IT administrator for the purpose of fault reporting. The Schedule Controller shall email lamp fault reports to this address.

Device Ref.	Cat. No.	Description	Channel ID
DAL	5502DAL	C-Bus DALI Gateway	
LLS	5031PE	C-Bus Light Level Sensor	

Table 24 – Outdoor car park lighting control system units

Plant Rooms

Each plant room shall house the power supplies and associated network communications devices necessary for the lighting control system to function on the relevant floor. Power supplies shall be connected to an uninterruptible power supply (UPS) circuit to provide continuous power to the lighting control system network. The Ground Floor Plant Room shall provide a connection point for a PC to interface with the lighting control system.

Plant rooms shall use switched fluorescent lighting. A local control panel shall be used to switch the light on and off. A 30 minute count down timer shall be used when the light is switched on, to ensure it is switched off.

Device Ref.	Cat. No.	Description	Channel ID
SPS to SPS	5500PS	C-Bus Power Supply	
SNB to SNB	5500NB	C-Bus Network Bridge	
SUI	5500PCU	C-Bus USB PC Interface	
RLY	L5504RVFP	4 Channel C-Bus DIN Voltage Free Relay	
LCP	SC5031NL	1 Button C-Bus Slimline Wall Switch	

Table 25 – Plant room lighting control system units

Reception Area

The reception area shall use DSI fluorescent dimming control to allow lighting to be maintained at optimum levels. Lighting shall remain on during business hours. It shall be operated by schedule and controlled by the Schedule Controller. During after hours operation reception area lighting shall be operated by a corner mounted 90° PIR occupancy sensor. When no occupancy is detected for 20 minutes, the lights shall fade off over 30 seconds. Occupancy shall be linked to the toilet area and the corridor between the toilet and reception areas, to ensure these lights remain on whenever the reception area is occupied.

Device Ref.	Cat. No.	Description	Channel ID
DSI	5508DSIP	C-Bus DSI Gateway	
OCS	5751L	C-Bus 90° PIR Occupancy Sensor	

Table 26 – Reception area lighting control system units