

The Lighting Scheme shall be controlled from the designated Lighting control system. Contractor to confirm with client team the control system will be located within the security building. All lighting shall be controlled via daylight photocell sensors with the control system also having the capability of astronomical timeclock input for the accent lighting elements. Additionally manual override push button switches are to be located within security building indicated on lighting plan. Photocells will be attached to 3no. separate lighting columns across the site which will activate all lighting within the park when light levels drop too low. Photocell columns to be linked back to the control system to ensure all lighting is switched on together. Accent lighting (facade and tree lighting) will be switched off via timeclock at 11pm.

Zone 1-4 are areas to allow individual control of the lighting for events as set out by Engine No 4, all lighting within each zone will have the ability to be switched on/off via manual wall switches located within security building.

Wall Plate Button/Scenes

1. All On/Off
2. Zone 1 On/Off
3. Zone 2 On/Off
4. Zone 3 On/Off
5. Zone 4 On/Off

Please refer to Lighting control plan over zone area coverage and luminaire control channels.

Channel ref	Luminaire ref	Description	Lamp Type	Control type	Control Method	Preliminary Control strategy
1	C1	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
1	C1A	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.

Channel ref	Luminaire ref	Description	Lamp Type	Control type	Control Method	Preliminary Control strategy
1	C1B	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
1	C1C	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
1	C1E	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
1	C1F	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
2	C2	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.

Channel ref	Luminaire ref	Description	Lamp Type	Control type	Control Method	Preliminary Control strategy
2	C2B	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
2	C2C	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
2	C2D	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
2	C2E	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
3	H1	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.

Channel ref	Luminaire ref	Description	Lamp Type	Control type	Control Method	Preliminary Control strategy
4	L2	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
5	L1	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
6	U1	Accent Lighting	LED	Switched	Photocell & Timeclock	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at 11pm. Additional daylight control will be activated via photocell.
7	W1	Accent Lighting	LED	Switched	Photocell & Timeclock	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at 11pm. Additional daylight control will be activated via photocell.
8	L2	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.

Channel ref	Luminaire ref	Description	Lamp Type	Control type	Control Method	Preliminary Control strategy
8	D1	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
9	B1	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
10	C3	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
10	L1	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.

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Zone 1

11	B1	Ambient lighting	LED	Switched	Photocell	Standby mode : dawn til dusk - Lighting to be off unless activated by manual override. Active mode : dusk til dawn - Lighting to be switched on at dusk and will remain on until local astronomical time clock switches to standby mode at dawn. Additional daylight control will be activated via photocell.
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