

[illegible]

Lighting Control Brief | King's Cross Southern Facade Canopy and South East Stair Enclosure

ENG-BRF-OAP-SSQ-CBSE-007

SF Document ref : 3011_07_002_rev02

Date : 27/07/11

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The architectural lighting scheme for King's Cross shall be controlled from the main BMS (or similar) within the station, with a distributed intelligence system that will utilise photocells and an astronomical time clock. Lighting is to be a mix of non dim and dimmable sources, electrical engineers / contractors to confirm dimming protocol prior to order of luminaires.

Channel ref	Luminaire ref	Description	Lamp Type	Total Load (W)	Control type	Control Method	Preliminary Control strategy
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Southern Façade Canopy

55	L11	Ambient Lighting	LED	2160	Switched	Timeclock / Photocell	Active mode : dusk til dawn - Lighting to be switch via daylight photocell (operator to advise photocell lux trigger setting). Stand by mode : dawn til dusk - Lighting to be off unless activated by photocell or manual override.
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South East Stair Enclosure

56	L12	Ambient Lighting	LED	960	Switched	Timeclock / Photocell	Active mode : dusk til dawn - Lighting to be switch via daylight photocell (operator to advise photocell lux trigger setting). Lighting to be capable of being dimmed by 20% to lower output during lower pedestrain useage and overnight periods - nominally midnight to 5am, operator to advise final timing and setting. Stand by mode : dawn til dusk - Lighting to be off unless activated by photocell or manual override.
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Total lighting load (W)

3120

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* Please refer to Studio Fractal Documentation for further information

Note. The information shown above is for a preliminary control strategy. Full details and possible changes to standby and active modes will be provided during detailed design.

Note. Client is to advise if security override switch is required at head end controller.

Note. Client is to advise lux settings for photocells - to match with rest of the estate.

Note. Electrical engineers to specify and locate photocell(s) where not integrated on lighting columns.