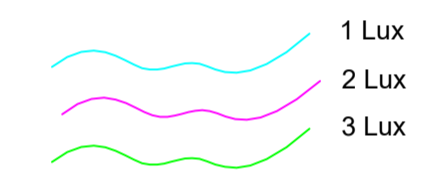


- Notes:-
- 1) Scheme utilises LED luminaires with sharp cut-off, good colour rendition. No metal halide or fluorescent fittings used.
 - 2) Fittings capable of being dimmed.
 - 3) Lanterns utilise 2700K LEDs.
 - 4) All columns limited to a height of 6m.
 - 5) All fitting have upward light ration of 0%.
 - 6) All fittings installed horizontally - no upward lighting.
 - 7) Security lighting controlled by motion sensors.
 - 8) The lighting details shown on this drawing have been developed in accordance with the Bat Conservation Trust's Guidance Note 08/23 on Bats and Artificial Lighting in the UK and reviewed by a suitably qualified ecologist.

Luminaire Schedule

- A1** Kingfisher Lighting - 80W LED (10452 lumens) VIVA-CITY Pro 805mA with FW70 forward throw optic column mounted at 6m
- A2** Kingfisher Lighting - 2 No. 80W LED (10452 lumens) VIVA-CITY Pro 805mA with FW70 forward throw optic column mounted at 6m (back to back)
- A3** Kingfisher Lighting - 2 No. 80W LED (10452 lumens) VIVA-CITY Pro 805mA with FW70 forward throw optic column mounted at 6m (at 90°)
- C1** Kingfisher Lighting - 40W LED (5238 lumens) VIVA-CITY Pro 1050mA with FW70 forward throw optic column mounted at 6m
- C2** Kingfisher Lighting - 2 No. 40W LED (5238 lumens) VIVA-CITY Pro 1050mA with FW70 forward throw optic column mounted at 6m



Calculation Summary

Area	Ave (lux)	Max (lux)	Min (lux)	Uniformity
Access Road to PH3 & PH4	9.33	38	0	0.00
Battery Area PH 1	8.16	35	2	0.25
Battery Storage PH2	7.79	35	2	0.26
Battery Storage PH3	10.71	34	3	0.29
Battery Storage PH4	6.82	36	1	0.15
Future Battery Area PH1	8.51	36	3	0.32
HV Compound PH1	26.38	48	7	0.27
HV Compound PH4	18.60	73	1	0.05
Roadway PH3	11.31	35	3	0.27
Roadway PH2	10.53	35	3	0.28
Roadway PH4	12.02	35	1	0.08
Roadway PH1	14.01	60	4	0.29
Welfare Compound	27.95	60	7	0.25

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Notes

1. This drawing has been prepared in accordance with the scope of RPS's appointment with its client and is subject to the terms and conditions of that appointment. RPS accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided.
2. If received electronically it is the recipient's responsibility to print to correct scale. Only written dimensions should be used.
3. This drawing should be read in conjunction with all other relevant drawings and specifications.

For guidance only. Do not scale off this drawing

1:100 - 0 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m
 1:50 - 0 1m 2m 3m 4m 5m 6m
 1:5 - 0 100mm 200mm 300mm 400mm 500mm

Safety, Health & Environment Information

In addition to the hazards / risks normally associated with the types of work detailed on this drawing take note below. It is assumed that all works on this drawing will be carried out by a competent contractor, working, where appropriate, to an appropriate method statement.

Construction risks	Maintenance/Cleaning risks	Demolition/Adaption risks

Rev	Description	By	Ckd	Date
P10	Wall fittings deleted. Columns added on Phase 2 site. C2 fittings 7-9 relocated and re-orientated.	DB	RP	13:08:24
P09	Scheme updated to reflect comments discussed at Rev 08.	DB	RP	29:07:24
P08	Provisional mark up.	DB	RP	17:07:24
P07	Whole site scheme detailed. Fittings amended.	DB	RP	26:06:24
P06	Scheme reduced to 6m columns. Scheme designed present for Phase 1 only. Hatched area in abeyance.	DB	RP	06:06:24
P05	Drawing presentation updated in line with Clients requirements.	DB	RP	07:02:24
P04	Site layout updated. 2 No. plant areas deleted and addition battery storage added. Plant area levels enhanced.	DB	RP	26:01:24
P03	Note 8) amended.	DB	RP	24:08:23
P02	Notes added.	DB	RP	17:08:23
P01	First issue	DB	RP	10:10:23



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Client **Statkraft**

Project **Neilston Greener Grid Park**

Title **External Lighting**

Status	Scale	Date Created
Planning	1:1000 @A1	07.07.23
Task Team Manager	Information Author	Task Information Manager
SB	DB	RP

Document Number
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RPS Project Number **BSB14390** Suitability **S0** Revision **P10**

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