

Great Wolf, Bicester.

Control Schedule

Exterior Lighting

10875-HLE-XX-XX-SH-E-708-003 EXTERIOR CONTROL SCHEDULE

Revision 02

Stage 4 Issue

03/10/2022

Notes

Channel arrangements are indicative and for lighting control purposes i.e. they represent groups of luminaires that should be controlled/dimmed at the same time. They do not represent electrical circuitry.

Channels show indicative electrical loads of luminaires. Values in these tables do not take into account any electrical losses, surge currents, power factor corrections, parasitic loads.

Quantities and loads reference Hoare Lea Lighting luminaire datasheets and drawings but some are subject to tolerances depending on joinery and construction elements.

Programmable time clock to allow individual elements to be switched at differing times

Lighting to service yards (Channels CH:X04 and CH:X05 to operate at low level (20lux) in normal operation after dark. During deliveries after dark lighting dimmed to high level (50lux) via switch located within Good Receiving Area

| Channel | Control Protocol | Control Method | Luminaire Code | Description | Quantity (Units/M) | Load (W) | Total Load (W) |
|---------|------------------|---|----------------|---------------------------------------|--------------------|----------|----------------|
| CH:X01 | Switched | Timeclock/Photocell | X1 | Circular Post Top Street Light | 6 | 42 | 1176 |
| | | | X2 | Circular Post Top Street Light | 20 | 42 | |
| | | | X3 | Circular Post Top Street Light | 2 | 42 | |
| CH:X02 | Switched | Timeclock/Photocell | X4 | 6m Column mounted Single Street Light | 11 | 58 | 3364 |
| | | | X5 | 6m Column mounted Single Street Light | 11 | 58 | |
| | | | X6 | 6m Column mounted Double Street Light | 13 | 116 | |
| | | | X6A | 6m Column mounted Double Street Light | 2 | 116 | |
| | | | X14 | 6m Column mounted Single Street Light | 6 | 58 | |
| CH:X03 | Switched | Timeclock/Photocell | X5 | 6m Column mounted Single Street Light | 3 | 58 | 642 |
| | | | X6 | 6m Column mounted Double Street Light | 1 | 116 | |
| | | | X11 | 6m Column mounted Single Street Light | 8 | 44 | |
| CH:X04 | DALI dimmable | Timeclock/Photocell with manual override to increase lighting level. Switch located in Goods Receiving Area | X8 | 8m Column mounted Single Street Light | 2 | 191 | 1719 |
| | | | X9 | Wall mounted Street Light | 3 | 191 | |
| | | | X10 | Wall mounted Street Light | 4 | 191 | |

| Channel | Control Protocol | Control Method | Luminaire Code | Description | Quantity (Units/M) | Load (W) | Total Load (W) |
|---------|------------------|---|----------------|---|--------------------|----------|----------------|
| CH:X05 | DALI dimmable | Timeclock/Photocell with manual override to increase lighting level. Switch located in Goods Receiving Area | X7 | 6m Single Street Light | 2 | 191 | 764 |
| | | | X9 | Wall mounted Street Light | 2 | 191 | |
| CH:X06 | Switched | Timeclock/Photocell | X12 | 4m Column mounted Single Street Light | 8 | 58 | 696 |
| | | | X13 | 4m Column mounted Double Street Light | 2 | 116 | |
| CH:X07 | DALI dimmable | Timeclock/Photocell to recall lighting scenes | X15D | Wall mounted Floor Light | 2 | 81 | 217 |
| | | | X15A | Wall mounted Floor Light | 1 | 55 | |
| CH:X08 | DALI dimmable | Timeclock/Photocell to recall lighting scenes | X15A | Wall mounted Floor Light | 5 | 55 | 330 |
| | | | X15B | Wall mounted Floor Light | 1 | 55 | |
| CH:X09 | Switched | Timeclock/Photocell | X16 | Decorative Wall Light | 9 | 5 | 45 |
| CH:X10 | Switched | Timeclock/Photocell | X19 | In-ground uplight to Wolf Statue | 3 | 21 | 63 |
| CH:X11 | Switched | Timeclock/Photocell | X18 | In-ground uplight to trees | 21 | 21 | 441 |
| CH:X12 | Switched | Timeclock/Photocell | X17 | Bollard | 7 | 10 | 70 |
| CH:X13 | Switched | Timeclock/Photocell | X17 | Bollard | 1 | 10 | 10 |
| | | | X17E | Bollard with EM | 21 | 10 | |
| CH:X14 | Switched | Timeclock/Photocell | X20 | Spike spotlight to entrance signage | 4 | 16 | 64 |
| CH:X15 | Switched | Timeclock/Photocell | X25 | Flexible LED tape | 11.9m | 15W/m | 178.5 |
| CH:X16 | Switched | Timeclock/Photocell | - | Signage Allowance | 1 | 500 | 500 |
| CH:X17 | DALI dimmable | Timeclock/Photocell to recall lighting scenes | X22 | Wall mounted uplight | 10 | 21 | 210 |
| CH:X18 | DALI dimmable | Timeclock/Photocell to recall lighting scenes | X23 | Surface mounted spotlight | 14 | 24 | 336 |
| CH:X19 | DALI dimmable | Timeclock/Photocell to recall lighting scenes | X24 | Linear projector | 6m | 20W/m | 120 |
| CH:X20 | Switched | Timeclock/Photocell | X17 | Bollard | 10 | 10 | 100 |
| CH:X21 | Switched | Timeclock/Photocell | X17 | Bollard | 23 | 10 | 230 |
| | | | X17E | Bollard with EM | 7 | 10 | 70 |
| | | | X21 | Bollard | 6 | 10 | 60 |
| CH:X22 | Switched | Timeclock/Photocell | X28 | In-ground uplight | 4 | 8.4 | 33.6 |
| CH:X23 | Switched | Timeclock/Photocell | X25 | Flexible LED tape | 19.9m | 15W/m | 298.5 |
| | | | X26 | LED tape within channel | 3.9m | 17W/m | 66.3 |
| CH:X24 | Switched | Timeclock/Photocell | X19A | In-ground uplight to flag poles | 3 | 7.7 | 23.1 |
| CH:X25 | DALI dimmable | Timeclock/Photocell | X28 | In-ground uplight outside banquet hall | 9 | 8.4 | 75.6 |
| CH:X26 | DALI dimmable | Timeclock/Photocell to recall lighting scenes | X29 | Surface mounted spotlight to water slides | 27 | 28 | 756 |

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| Channel | Control Protocol | Control Method | Luminaire Code | Description | Quantity (Units/M) | Load (W) | Total Load (W) |
|---------|------------------|---|----------------|--|--------------------|----------|----------------|
| CH:X27 | DALI dimmable | Timeclock/Photocell to recall lighting scenes | X30 | 4m Column mounted top light to hot tub | 2 | 52 | 104 |
| CH:X28 | Switched | Timeclock/Photocell | X18 | In-ground uplight to trees | 6 | 21 | 126 |
| CH:X29 | DALI dimmable | Timeclock/Photocell | X15B | Wall mounted Floor Light | 1 | 55 | 55 |