# Light Pollution

### Credit 24

### Design Review Submission As Built Submission

|  |  |  |  |
| --- | --- | --- | --- |
| Total Points available: | 1 | Points claimed: | [#] |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Name** | **Description** | **Points Available** | **Points Claimed** |
| **24.1** | **Light Pollution to Neighbouring Bodies** | The project complies with AS 4282:1997 *Control of the Obtrusive Effects of Outdoor Lighting.* | Minimum Requirement | [Y/N] |
| **24.2** | **Light Pollution to Night Sky** | The project has demonstrated that a specified reduction in light pollution has been achieved by the fitout. | 1 |  |

## Project-specific technical questions (formerly tcs and cirs)

|  |  |
| --- | --- |
| There are no project-specific Technical Questions for this credit. |  |
| There are project-specific Technical Questions for this credit and all responses received from the NZGBC are attached. |  |

24.1 light pollution to neighbouring bodies

Please select one of the following options:

|  |  |
| --- | --- |
| The project complies with the requirements of AS 4282:1997 Control of the Obtrusive Effects of Outdoor Lighting. |  |

Provide a description of how the fitout complies with the requirements of AS 4282:1997 Control of the Obtrusive Effects of Outdoor Lighting:

Identify where this information can be found within the supporting documentation provided.

|  |  |
| --- | --- |
| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
| [####] | [####] |
| [####] | [####] |

Describe any light sources on the project which have been excluded from compliance with the minimum requirement.

24.2 light pollution to night sky

### 24.2.1 CONTROL OF External LIGHT SOURCES

Please select one of the following:

|  |  |
| --- | --- |
| Specified reductions in light pollution have been achieved by control of upward light output ratio (ULOR) or upward waste light ratio (UWLR) , in accordance with 24.2.1A; |  |
| Specified reductions in light pollution have been achieved by control of direct illuminance, in accordance with 24.2.1B; |  |
| The project does not have any external lights and compliance for internal lights is demonstrated under 24.2.2. No information is required for 24.2.1. |  |

Provide a description of the external lighting strategy:

Identify where this information can be found within the supporting documentation provided.

|  |  |
| --- | --- |
| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
| [####] | [####] |
| [####] | [####] |

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### 24.2.2 CONTROL OF INTERNAL LIGHT SOURCES

|  |  |
| --- | --- |
| The fitout’s internal light sources are either:   * Automatically turned off between 9:00 pm to 6:30am; or * Blocked through the use of awnings, or blinds with a minimum VLT of 10, or, through automated external louvers, or other similar means which achieve the same outcome. Automated louvers are also in the blocked position from 9:00pm to 6:30am. |  |

Provide a description of the internal lighting strategy:

Identify where this information can be found within the supporting documentation provided.

|  |  |
| --- | --- |
| **Supporting Documentation** (Name / title / description of document) | **Reference** (Page no. or section) |
| [####] | [####] |
| [####] | [####] |

## DISCUSSION

Outline any issues you would like to highlight and clarify with the Certified Assessor(s).

## DECLARATION

I confirm that the information provided in this document is truthful and accurate at the time of completion.

Provide author details, including name, position and email address:

[Date]

––– **Report end** –––