# Light Pollution

### Credit 26

### Design Review Submission As Built Submission

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

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|  | **Criteria** | **Description** | **Points Available** | **Points Claimed** |
| **26.1** | **Light Pollution to Neighbouring Bodies** | The project complies with AS 4282:2019 ‘*Control of the Obtrusive Effects of Outdoor Lighting*’. | Minimum Requirement | [Y/N] |
| **26.2** | **Light Pollution to Night Sky** | The project has demonstrated that a specified reduction in light pollution has been achieved by the project. | 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. |  |

26.1 light pollution to neighbouring bodies

|  |  |
| --- | --- |
| The project complies with the requirements of AS 4282:2019. |  |

Describe of how the building complies with the requirements of AS 4282:2019.

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.

26.2 light pollution to night sky

### 26.2A Control of upward light output ratio (ULOR) or Upward waste light ratio (UWLR)

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| --- | --- |
| The lighting design has minimised light pollution into the night sky by ensuring no external luminaire, relative to its particular mounting orientation, has an Upward Light Output Ratio (ULOR) that exceeds 5% or a UWLR not exceeding 5%. |  |

OR

### 26.2B Control of direct luminance

|  |  |
| --- | --- |
| Direct illuminance from external luminaries produces a maximum initial point illuminance value no greater than 0.5 Lux to the site boundary and no greater than 0.1 Lux to 4.5 metres beyond the site into the night sky, when modelled using a calculation plane set at the highest point of the building. |  |

Describe the external lighting strategy and how this complies with 26.1A or 26.1B.

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** –––