

Part 4 Indoor Environmental Quality

NRB 4-5 High Frequency Ballasts/LED Drivers

Actual Assessment Submission ☐Site Verification Submission ☐

| Criteria | Credit Available | Credit Claimed |
|---|------------------|----------------|
| Use of high frequency ballasts | 1 | |
| OR | | |
| Use of LED driver with output frequency <200Hz and < 30% flicker | | |

Strategies:

Documentary Evidences:

Order of documents to be submitted accordingly and clearly labeled.

| Actual Assessment | | Submitter | Assessor |
|-------------------|---|--------------------------|--------------------------|
| 1. | Extracts of the tender specification showing the requirement to have high frequency ballasts or LED driver with output frequency & flicker specified. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. | A summary sheet listing all fluorescent and LED luminaries used for the developments. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. | Electrical lighting layout indicating all the fittings with high frequency ballasts or LED lighting. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. | Product catalogue specifying high frequency ballast for fluorescent luminaries. (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. | Product catalogue specifying the LED driver with output frequency <200 Hz and <30% flicker for LED lighting. (if applicable) | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. | Calculation showing at least 90% of the applicable areas that are served by high frequency ballast or LED lighting. | <input type="checkbox"/> | <input type="checkbox"/> |

| Site Verification | Submitter | Assessor |
|--|--------------------------|--------------------------|
| 1. As installed summary sheet listing all fluorescent luminaries used for the developments and those with high frequency ballasts or LED fittings. | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. As-built electrical lighting layout indicating all the fittings with high frequency ballast or LED fittings. | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. As installed product catalogue of high frequency ballasts or LED fittings used and its purchase and delivery order. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Calculation showing at least 90% of the applicable areas that are served by high frequency ballast or LED fittings. | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Photographic evidences of the lighting fittings | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Describe any deviations or changes from AA submission. | <input type="checkbox"/> | <input type="checkbox"/> |