

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 OR Use of LED driver with output frequency <200Hz and < 30% flicker	1	

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"/>