



REPORT CONTENTS:

This report provides for the following:

- * Client brief
- * A sports lighting solution for Ellenbrook Speedway
- * Acknowledging the relevant sections from Designed to comply with the requirements of Lighting for Western Australian Speedway Commission
- * An assessment for Obtrusive Light in accordance with Australian Standard AS/NZS4282:2023 Control of the obtrusive effects of outdoor lighting.

CLIENT BRIEF:

- * LED Upgrade
- * 3 x existing 18m poles + new 20m poles
- * Designed to comply with the requirements of Lighting for Western Australian Speedway Commission
- * AS/NZS4282-2023 Obtrusive Light Evaluation assess for: Pre-Curfew
- * AS/NZS4282 Compliance required

DISCLAIMER:

1. No CAD drawing, or site dimensions, were supplied with the design brief. All calculations are based on a scaled aerial image. Whilst every intent is maintained to provide dimensional accuracy, a scaled aerial image will always introduce inaccuracies. We provide this calculation as a close estimate of expected lighting levels. Prior to installation all calculations should be confirmed with accurate site measurements, preferably a surveyed CAD drawing with relevant field markings and surrounding residential boundaries.
2. This scheme is subject to the accuracies and tolerances of lighting systems described within Australian Standard AS/NZS3827, Lighting System Performance Accuracies and Tolerances.
3. The contractor must confirm pole location details 2 weeks prior to the date of installation of the footings. This will allow for any required fine tuning of the design and finalisation of luminaire aiming details.
4. Sylvania-Schreder Australia provides lighting designs, recommendations, and technical advice in good faith based on the information available at the time of preparation and in accordance with relevant standards and best industry practices. Any modification, omission, or deviation from our recommendations by a third party is undertaken at their own risk. Sylvania-Schreder Australia accepts no liability for any direct, indirect, or consequential loss, damage, or claim arising from actions taken, or not taken, by any third party that contradict or disregard our documented advice, design intent, or specified equipment. To ensure accurate implementation of the lighting design, Sylvania-Schreder Australia strongly recommends that a qualified surveyor be engaged to confirm the final location of lighting poles and luminaire aiming vector positions. It remains the responsibility of the client or end user to ensure that all final implementations are compliant with applicable regulations and are verified by appropriately qualified professionals.



Overall Site View

SYLVANIASchröder
Experts in lightability™

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This design calculation is based upon specified parameters supplied by the client, and other design inputs assumed by us as detailed in the document. It provides the accuracy of the values and offers due to environmental variations such as actual luminaire performance, earth surface reflectance, supply voltage, local conditions without temperature, obstacles/obstructions, etc. These results are not subject to external accepted photometric, luminance, and lux calculations/requirements.

Schröder Australia provides this calculation without any representation or warranty of any kind. The Company shall be under no liability to the Customer for failure to enter into performance figures unless the performance of the luminaire specified is specifically guaranteed in writing, and any such written guarantee shall be subject to acceptance of the luminaire and its accessories supplied by the luminaire.

REV	DATE	COMMENTS	DESIGNER	PROJECT	TITLE	REVISION
00	12/06/2025	Original design	C TAME	Ellenbrook Speedway 288 Ellenbrook Rd, Bullsbrook WA 6084	Site location	R2
01	20/09/2025	PDL Relocation	C TAME			SHEET A3
02	12/10/2025	Further pole changes as requested	C TAME			
03				CONTACT Ivan Mathias imathias@sylvania-schreder.com	DOCUMENT NO. 0256037CTR2.AGI	PAGE NO. Page 1 of 3
04						
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