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# BMX TRACK LIGHTING GUIDELINES



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## 1 INTRODUCTION

The sport of Bicycle Motocross (BMX) has seen a growth in the number of BMX tracks that have lighting enabling the conduct of BMX activities in low light or in the evening.

These guidelines are designed to help BMX clubs and track operators to understand the minimum lighting requirements that must be met for all sanctioned BMX events. The required standard is designed to ensure a safe racing environment for competitors of all levels at non-daylight events.

The required minimum lighting standards for all BMX events is determined based on having a sufficient average maintained average horizontal illuminance (lux) and minimum horizontal uniformity (U1). Tracks are encouraged to meet the following voluntary minimum lighting standards:

1. An average of 150 lux and a g0.5 U1.
2. Lighting should be designed to provide an even spread of light over the surface of the track to avoid definite pools of light.
3. Readings are to be taken:
  - a. From the start gate to the finish line.
  - b. At 10 metre intervals along the centre line of the track.
  - c. Carried out using an approved lux meter.
4. Readings must be carried out by suitably approved persons (AusCycling appointed Technical Delegate or a nominated President of the Commissaires Panel).

Events which have broadcast or are on the UCI calendar, including National Championships, may require further and heightened lighting requirements.

AusCycling will increase the minimum lighting standard average lux level of 200 lux with a 100- lux minimum at a future date for all BMX track. Accordingly, any new track or where lighting upgrades occur must meet the 200 lux minimum average.