



Urblis Schröder | Design

PROJECT NAME:
OP39623LS7942 Bruce Castle Park

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SCALE: 1:250 DATE: 4 July 2025

CALCULATION:
Horizontal Illuminance (lux)

DESIGNER:
WB

Designed to BS4849-1:2020, Category P1
Site minimum Illuminance & between 10-22 lux average
Illuminance

Maintenance Factor calculated to BS4849, TS2012 & EN11
L2 = Luminous flux factor for 100,000 hours - 100%

FS = Survival factor - 0.97% (representing 2% failure)

LM = Mounting height: 6m or less, Cavity height frequency - 72

BSM = Surface factor - 1 (Exterior Lighting only)

Overall M = 0.81 (0.81 x 100%)

This design has been prepared in accordance with the
BS4849 Guidance Note - CEM2015 Regulations, Issue 1.1
dated 2015-11-11. Procedure 2 for an outdoor design. The
information in this report does not account for weather
considerations, site conditions or provide any form of risk
assessment. Urblis design services is advisory only and is the
responsibility of the recipient of this information to verify that
the design is suitable for the intended application. No
account is taken for the blocking effect caused by buildings,
trees etc. The calculation shown assumes that the whole area
considered is in the same plane.

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Results Grid 1

Eav	15.83
Emin	3.69
Emax	35.77
Emin/Emax	0.10
Emin/Eav	0.23

Supplier	Urblis	Urblis
Type	AXIA 2 T 15185 (3000K) 150W 16 OS (ON SQUARE GRANTING) 16 OS (ON SQUARE GRANTING) 16 OS (ON SQUARE GRANTING)	AXIA 2 T 15185 (3000K) 150W 16 OS (ON SQUARE GRANTING) 16 OS (ON SQUARE GRANTING) 16 OS (ON SQUARE GRANTING)
Lamp Flux (lm)	3.98	3.98
Maintenance Factor	0.81	0.81
No. in Project	4	4