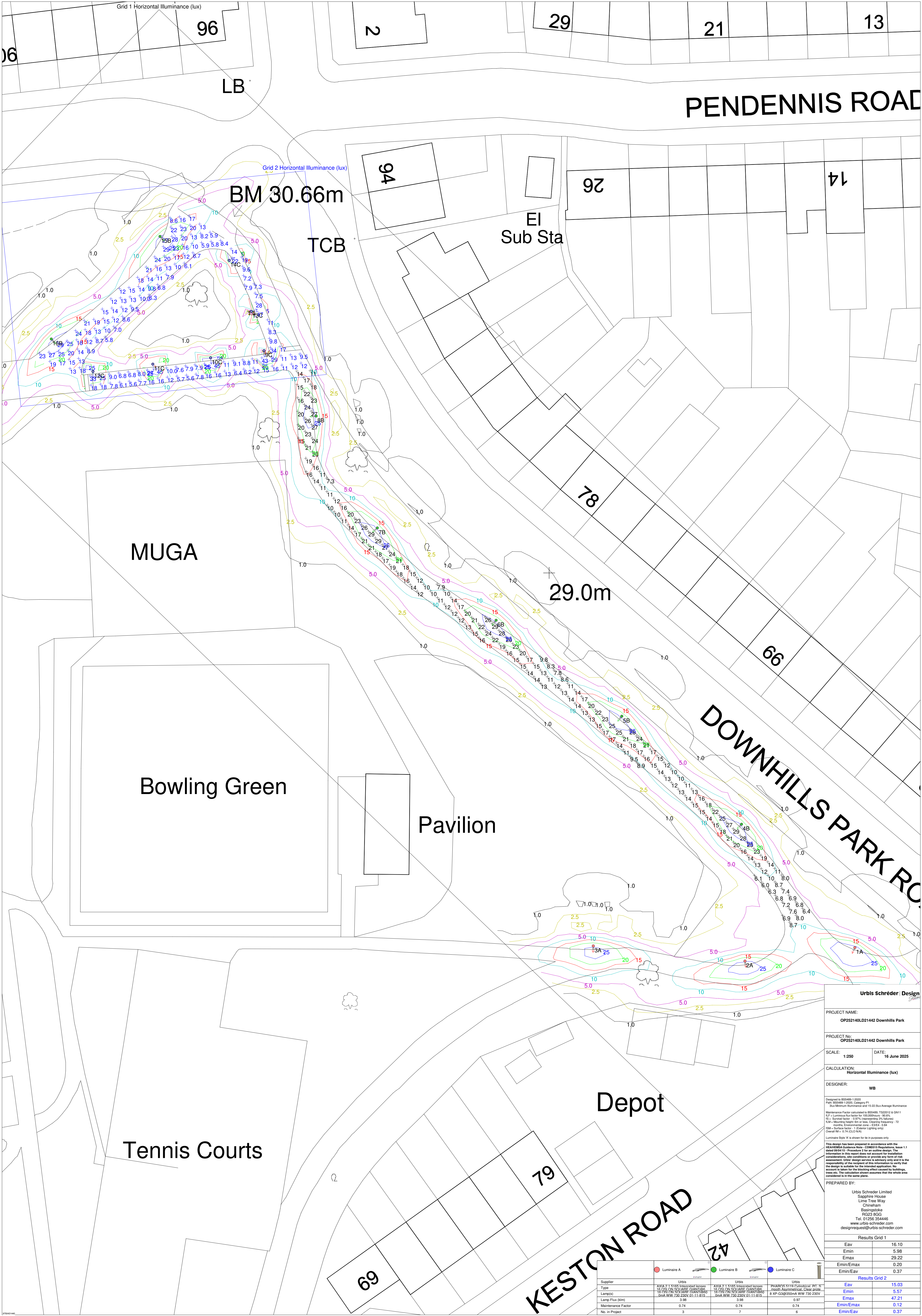




Urbis Schröder | Design

PROJECT NAME:
OP252140LD21442 Downhills Park

PROJECT No:
OP252140LD21442 Downhills Park

SCALE: 1:250 DATE: 16 June 2025

CALCULATION:
Horizontal Illuminance (lux)

DESIGNER:
WB

Designed in BS5489-1:2020
Part: BS5489-1:2020, Category P1
Site Minimum Illuminance and 15-22 Lux Average Illuminance

Maintenance Factor calculated to BS5489-1:2020 12 & 0.91
L/P = Luminaire flux factor for 100,000 hours - 90.8%
R/S = Survival factor - 0.9% (representing 20 failures
per 100,000 hours)
L/S = Mounting height (m) or luminaire spacing (m) - 7.2
months, Environmental zone - E3/E4 - 0.86
L/S = Surface factor - 1 (External Lighting only)
Overall M.F. = 0.74 (CLO-N/A)

Luminaire Style 'A' is shown for its purposes only

This document has been prepared in accordance with the
Illuminance Guidelines - CIBSE Lighting Handbook, Issue 1.1
The information in this report does not account for installation
considerations, site conditions or provide any form of risk
assessment. Urbis Schröder design service is advisory only and it is the
responsibility of the client to ensure 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.

PREPARED BY:

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Results Grid 1

Eav	16.10
Emin	5.98
Emax	29.22
Emin/Emax	0.20
Emin/Eav	0.37

Results Grid 2

Eav	15.03
Emin	5.57
Emax	47.21
Emin/Emax	0.12
Emin/Eav	0.37

Supplier	Urbis	Urbis	Urbis
Type	AXIA 2 T 5185 Integrated luminaire	AXIA 2 T 5185 Integrated luminaire	PHAROS 5185 Cylindrical 'PC' S
Lamp(s)	16 OS ON SQA IABE GIANT/8	16 OS ON SQA IABE GIANT/8	6 XP GU850/8V WW 730 230V
Lamp Flux (lm)	3.98	3.98	0.97
Maintenance Factor	0.74	0.74	0.74
No. in Project	3	7	6

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