

2. P3 Horizontal Illuminance (lux)



Schröder
Experts in lightability™

PROJECT NAME:
Car Park - Stamullen

PROJECT NO:
OP220207 LD18838

SCALE: 1:500 DATE: 16 May 2023

CALCULATION:
Horizontal Illuminance (lux)

DESIGNER:
Cristina Zentilin

Designed to BS6469-1:2020
Car Park and Play Ground: Table 4, Medium Traffic Flow
15lux Average Illuminance & 20% Overall Uniformity
Roads and footpaths
P3 - 1.5 lux Emax & between 7.5 lux - 11.25 lux Eave
Maintenance factor calculated as 0.89 (BS6469-1:2020) & 0.81
SF = Luminous flux factor for 100,000 hours - 100%
BF = Ballast factor - 1.0 (100% ballast factor)
LM = Mounting height 6m or less, Clearing frequency - 72
months, Environmental zone - E1/E2 (0.8)
RM = Surface factor - 1 (Exterior Lighting only)
Crestal Mt. - 0.89 (0.8 x 1.1)

This design has been prepared in accordance with the
BSI BS6469-1:2020 BS6469-1:2020 Regulations, Issue 11
dated 20/04/15 - Procedure 2 for an outdoor design. The
information in this report does not account for installation
considerations, site conditions or provide any form of risk
assessment. URBIS 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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Supplier	Luminaire A	Luminaire B
Urbis Schröder	AXIA 2 7000	AXIA 2 7000
Type	24 OS ON SQUARE PLAN @50	24 OS ON SQUARE PLAN @50
Lamp(s)	0mA WxL 230.230V	0mA WxL 230.230V
Lamp Flux (lm)	5.0	5.81
Maintenance Factor	0.89	0.89
No. in Project	13	11

Results 2. P3	
Eav	11.21
Emin	1.55
Emax	37.11
Emin/Emax	0.04
Emin/Eav	0.14