



# LIGHTING REALITY

PROJECT NAME:  
**Sallins**

PROJECT No:  
**M57**

SCALE: **1:500**      DATE: **7 July 2021**

CALCULATION:  
**Horizontal Illuminance (lux)**

DESIGNER:  
**Ben van Deventer DKPI**

Carpark and access road lux levels are compliant with P3 cat EN13201.  
Maintenance factor is taken to be 0.9 (8% fouling and 2% led failure) All fittings supplied with CLO function.  
Dimming shall be applied between 12 Midnight and 6AM with switching photocell at

**Public Lighting design for above mentioned project:**  
Light fittings to dim 25% (75% output) between midnight and 6 am (profile 2A)  
Fittings must be ordered with Nema socket for 35/18 lux switching photo cell and to have CLO function applied  
(Constant light output) Calculations comply to EN13201-2015, Design calculations are in compliance with Local Authority Public Lighting Manual guidelines and Product specification.

PREPARED BY:  
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Co Kerry  
Design Software from:  
Lighting Reality Ltd**

Results Carpark	
Eav	8.88
Emin	1.53
Emax	22.39
Emin/Emax	0.07
Emin/Eav	0.17

	Luminaire A	Luminaire B	Luminaire E
Supplier			Philips
Type	Faro 720 LED 500mA	York 1xLevo3L O3 20W	BGP621 DM12 10000 40LED_5 .1S_CLO_L90_NW
Lamp(s)	3x CXA3050 3000K 500mA 52W 5371A	1x16LED Levo3L_20W 350mA 3000K	LED-HB 5.1S NW
Lamp Flux (klm)	3.73	2.48	10.00
Maintenance Factor	0.90	0.90	0.90
No. in Project	20	8	1