



	<span style="color: red;">●</span> Luminaire A		<span style="color: green;">●</span> Luminaire B	<span style="color: blue;">●</span> Luminaire C
Supplier	Philips			
Type	BGP615 DX70 4600 20LED 5.1 S_CLO L90_NW		WSB19675	WSB19674
Lamp(s)	LED-HB 5.1S NW		31W LED	48W LED
Lamp Flux (klm)	4.60		0.57	0.62
Maintenance Factor	0.90		0.90	0.90
No. in Project	35		60	14

PROJECT NAME:  
**Lissywollen A3 print**

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

CALCULATION:  
**Horizontal Illuminance (lux)**

All grids comply with EN13201-2015 cat P3 Eav 7.50 and a min lux level of 1.50 with a respectable Emin/Eav greater than 0.2  
Lighting units A are post top mount on 6 mtr columns  
Lighting units B & C are post top on 3.5 mtr columns  
All lighting columns without hoist access shall be hinged.  
All fittings supplied with CLO option.  
Maintenance factor of 0.9 has been applied - 2% LED failure and 8% fouling.

Results Grid 4	
Eav	7.67
Emin	1.61
Emax	23.24
Emin/Emax	0.07
Emin/Eav	0.21

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