

Blessed Carlo Acutis School
0002318041
Rev 1
03.11.23

Luminaire Schedule											
Symbol	Qty	Label	Sap Code	Arrangement	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height	Note
	6	EX1A	93910538	Single	IP 24L35-727 NR BP 3550 CL1 M76 GY-S	0.790	3424	28	168	6	
	8	EX1B	93910536	Single	IP 24L50-727 ES BP 3550 CL1 M76 GY-S	0.790	4593	38	304	6	
	9	EX2	93910539	Single	IP 24L50-727 EWR BP 3550 CL1 M76 GY-S	0.790	4656	38	342	6	
	5	EX2 TW	2 X 93910544	Back-Back	2 X IP 24L50-727 EWR BP 3550 CL1 M42 GY-S	0.790	4656	38	380	6	
	3	EX3	93906732	Single	IP 36L50-727 EWR BP 3550 CL1 M76 GY-S	0.790	6942	55	165	6	5 Degreee
	15	EX5	92901999	Single	AQFFRO 8 LED2900-830 PC MH HF	0.790	2658	19.7	295.5	2.2, 2.4	2.4m Tunnel TBC
	57	EX6	APPLY	Single	Custom Modified PIALZA II LED 1690-827 HF ANT (Est 1670 lumens)	0.790	1669	15.1	860.7	2, 3	2.0m mount Binstore
	3	EX7E	APPLY	Single	Custom Modified 876 V8 LED1000-827 HF E3 L ANT	0.790	828	16	48	1.3	
	11	EX8	93910541	Single	AVF 18L70 727 RS CL BP 3550 CL1 CON F76 ANT	0.790	4375	40	440	4	
	12	EX9	93910545	Single	AVF2 2L 288L70-727 EWR CL1 GY	0.790	77285	585	7020	8	
	17	EX10	93910542	Single	CN B 8L70-827 WST BS 3550 CL1 MGR ANT (ROOF)	0.790	1441	20	340	1	

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Min/Avg	
(01) Upper Access Road	illuminance	Lux	10.96	19	5	0.46	
(02) Upper Parking Drop Off	illuminance	Lux	11.22	29	6	0.53	
(03) Middle Parking	illuminance	Lux	14.39	28	4	0.28	
(04) Lower Parking	illuminance	Lux	15.73	37	6	0.44	
(05) Perimeter- Upper building	illuminance	Lux	14.28	24	6	0.42	
(06) Perimeter- Lower building	illuminance	Lux	17.21	229	0	0.00	
(07) Entrance	illuminance	Lux	13.89	41	8	0.58	
(08) Side Access Road	illuminance	Lux	10.46	18	4	0.38	
(09A) Upper Section of Path	illuminance	Lux	14.57	20	10	0.69	
(09B) Lower Section of path	illuminance	Lux	13.79	16	9	0.65	
(10) 3G Pitches	illuminance	Lux	197.90	422	121	0.61	
(11) Bin store	illuminance	Lux	29.93	52	5	0.17	
(12) Lower Path to 3G Pitches	illuminance	Lux	29.94	200	0	0.00	
(13) Cycle Store 1	illuminance	Lux	167.14	200	126	0.75	
(14) Cycle Store 2	illuminance	Lux	179.88	200	148	0.83	
(15) Steps	illuminance	Lux	53.92	77	33	0.61	
StatArea 1 - Parking	illuminance	Lux	13.82	36	6	0.43	
StatArea 2 - Turning Circle	illuminance	Lux	13.56	37	6	0.44	

UWLR Area Summary			
Label	Total Watts	UWLR	%
Upward Waste Light Ratio	10304.1	0.006	0.6

Columns & Brackets

Ref EX1A	6m Steel Stepped Column	96632557	
Ref EX1B	6m Steel Stepped Column	96632557	
Ref EX2	6m Steel Stepped Column	96632557	
Ref Ex2 TW	6m Steel Stepped Column	96632557 + Twin Bracket	96632567
Ref Ex3	6m Steel Stepped Column	96632557	
Ref EX8	4m Steel Stepped Column	96632127	
Ref EX9	8m Steel Stepped Column	96632559 + Single FL Bracket	96632568
Ref EX9	8m Steel Stepped Column	96632559 + Twin FL Bracket	96632569

Note
Columns are given for guidance .
A Structural Engineer should always advise due to site
wind speeds, soil conditions , weights , windages
and overturning moments