

Symbol	Label	Qty	Catalog Number	Description	Lamp	Watts
A1	1 x DSX2 2LA164 AY on 8m Column	1	DSX2 2LA164 AY	D-Series 1 Luminaire	LED C.16000LM-4000K	131
A2	2 x DSX2 2LA164 AY on 8m Column	7	DSX2 2LA164 AY	D-Series 1 Luminaire	LED C.16000LM-4000K	262
AW	1 x DSX1 2LA164 AY Wall Mounted at 8m AFFL	8	DSX1 2LA164 AY	D-Series 1 Luminaire	LED C.16000LM-4000K	131
C1	1 x DSX2 2LA364 FW on 10m Column	12	DSX2 2LA364 FW	D-Series 2 Luminaire	LED C.36000LM-4000K	330
CW	1 x DSX2 2LA364 FW Wall Mounted at 8m AFFL	12	DSX2 2LA364 FW	D-Series 2 Luminaire	LED C.36000LM-4000K	330
I	1 x DEWL14014 NR-C GL at 3.5m AFFL	13	DEWL14014 NR-C GL	Denver Elite Wall	LED C.1000LM - 4000K	12
J	1 x DEWL14034 PGL at 4m AFFL	35	DEWL14034 PGL	DENVER WALL ELITE	LED C.3000LM - 4000K	31475

Description	Symbol	Avg	Mn	Min/Avg
Path	+	11 lux	4 lux	0.36
Path	+	14 lux	5 lux	0.36
Path	+	11 lux	4 lux	0.36
Unit 1A - Access Path	+	10 lux	4 lux	0.40
Unit 1A - Access Road	+	21 lux	5 lux	0.24
Unit 1A - Car Park	+	25 lux	8 lux	0.32
Unit 1A - Dock Doors	+	152 lux	112 lux	0.74
Unit 1A - Service Yard	+	52 lux	22 lux	0.42
Unit 1B - Access Road	+	21 lux	16 lux	0.76
Unit 1B - Car Park	+	20 lux	5 lux	0.25
Unit 1B - Dock Doors	+	149 lux	112 lux	0.75
Unit 1B - Service Yard	+	52 lux	20 lux	0.38

- NOTES**
- THE PROPOSED LIGHTING SCHEME WILL ADOPT A POLICY OF LIMITING & CONTROLLING ALL EXTERNAL 'UPWARD LIGHT POLLUTION' TO A MINIMUM AND TO USE THE MINIMUM ENERGY NECESSARY TO PROVIDE SAFE AND SECURE PREMISES. ALL EXTERNAL LIGHTING SCHEMES MUST THEREFORE NOT MAKE A DIRECT CONTRIBUTION TO 'UPWARD LIGHT POLLUTION'.
  - THE NEW LIGHTING DESIGN WILL SATISFY ALL STATUTORY REQUIREMENTS INCLUDING THE CHARTERED INSTITUTION OF BUILDING SERVICES ENGINEERS 'CIBSE' TECHNICAL LIGHTING GUIDES.
  - CAR PARKS, SERVICE YARD AND PEDESTRIAN AREAS, INCLUDING ALL ESCAPE DOORS AND PATHS ARE TO BE ILLUMINATED BY LED / LOW ENERGY LIGHT SOURCES USING A COMBINATION OF BUILDING MOUNTED LUMINAIRES AND LIGHTING COLUMNS, TO PROVIDE A MINIMUM MAINTAINED ILLUMINANCE. LOCAL INCREASES IN LIGHTING LEVELS SHALL BE PROVIDED TO THE SERVICE YARDS AND STAFF ENTRANCES AND LOADING BAY AREAS FOR SAFE ACCESS AND EGRESS.
  - THE CONTROL OF THE LIGHTING SOLUTIONS WILL BE VIA A TIME CLOCK AND PHOTOCELL CONTROL. THIS WILL ENABLE THE LIGHTING TO BE CONTROLLED TO OPERATE DURING THE OPENING TIMES TO CONCORD WITH THE SUMMER AND WINTER SEASONS, THUS PREVENTING THE UNNECESSARY OPERATION OF THE LIGHTING SYSTEM.
  - THE EXTERNAL LIGHTING WILL BE CO-ORDINATED WITH THE LANDSCAPING SCHEME WITH LIGHT SPILLAGE FROM THE SITE BEING KEPT TO A MINIMUM.
  - THE LIGHTING WILL BE DESIGNED TAKING GREAT CARE TO ENSURE THAT THE REQUIRED LIGHTING LEVELS ARE ACHIEVED AT THE CAR PARK PERIMETRY, INCORPORATING LIGHTING GLARE CONTROL TO PREVENT LIGHT POLLUTION TO SURROUNDING AREAS, AND THAT ADEQUATE LIGHTING IS PROVIDED FOR PUBLIC AND STAFF SAFETY.

