



CLEAN.ROOM DESIGN DATA

Table L.8 - Lighting System Assessment

شركة البدرى للإضاءة المتخصصة

إحدى شركات مجموعة البدرى للتجارة والتنمية والاستثمار

BADRY Lighting Professionals' Co

Pharmaceutical Cleanroom Lighting Project - Quote 22498-00

Table L.8: Lighting System Assessment for Cleanroom (Lighting Equipments)

S. No.	Cleanroom Area / Bay	Room Description	CLASS	Application	MAIN TASK LIGHTS (LED)								EMERGENCY LIGHTS (LED)												
					LED Fixture Recessed Ceiling LED Panels	Lighting Circuit	Color Identification	RACEWAYS PVC Heavy Gauge Fire Rated Conduits	No. of LED Luminaires	Main LEDs Normals	Main LEDs Battery Pack	Operation	WIRING Single Wires 600V 3 Wire, PVC Insulated	LED Fixture Recessed Ceiling LED Panels	Lighting Circuit	Color Identification	RACEWAYS PVC Heavy Gauge Fire Rated Conduits	No. of LED Luminaires	EMRG Battery Backup LEDs	EXIT Double Face LEDs	Operation	WIRING Single Wires 600V 3 Wire, PVC Insulated			
1	CLRM-01	Production Area	IZO-7	Operation & Working Area	60X60CM 220V, 40W	CT-1	BLU	Sealed, BLU 20MM, HG	18	15	3	LCP	CU, BLU 4MM, 90°C	30X15CM 220V, 8W	CT-6	YLO	Sealed, YLO 20MM, HG	3	2	1	LCP	CU, YLO 2MM, 90°C			
2	CLRM-02	Warehouse Area	IZO-7	Delivery & Handling Area	60X60CM 220V, 40W	CT-2	BLU	Sealed, BLU 20MM, HG	12	9	3	LCP	CU, BLU 3MM, 90°C	30X15CM 220V, 8W				3	2	1					
3	CLRM-03	Change Rooms	IZO-8	Changing & Mirror Rooms	60X60CM 220V, 36W	CT-3	BLU	Sealed, BLU 20MM, HG	5	2	3	FLS	CU, BLU 2MM, 90°C	30X15CM 220V, 8W				3	2	1					
4	CORD-A, 1	Corridor 1	NON Class.	Corridors & Staircase	Dia 20CM 220V, 28W	CT-4	RED	Sealed, RED 20MM, HG	9	7	2	FLS	CU, RED 3MM, 70°C	30X15CM 220V, 8W	CT-7	GRN	Sealed, GRN 20MM, HG	2	1	1	LCP	CU, GRN 2MM, 90°C			
5	CORD-B, 3	Corridor 3	NON Class.	Corridors & Staircase	Dia 20CM 220V, 28W				6	5	1			30X15CM 220V, 8W				2	1	1					
6	CORD-A, 2	Corridor 2	NON Class.	Corridors & Staircase	Dia 20CM 220V, 28W	CT-5	RED	Sealed, RED 20MM, HG	9	7	2	FLS	CU, BLU 3MM, 70°C	30X15CM 220V, 8W				1	1	0					
7	CORD-B, 4	Corridor 4	NON Class.	Corridors & Staircase	Dia 20CM 220V, 28W				6	5	1			30X15CM 220V, 8W				1	1	0					
SUM	Summary of Lighting System for the Cleanroom				Main Task Lights	5	# 5 CTs via Sealed PVC Raceways ID Network		65	50	15	LCP = Lighting Control Panel FLS = Flush Light Switch	Emergency Lights	2				# 2 CTs via Sealed PVC Raceways ID Network		15			10	5	LCP = Lighting Control Panel FLS = Flush Light Switch