

Type		Description	Installation	Lamps		Qty	Location	Comments
				Type	Colour			
A		600x600 LED panel with white aluminium trim. Back lit with a 4mm opal diffuser and PMMA light guide CRI 80+, UGR =19, 110-120 lumens per watt complete with 6amp plug top and 3m cordset. 1 hour battery back up where indicated with 'e' at 20% output. Complete with 5 year warranty and lumen maintenance of >50 000 hours	Recessed	33W LED	4000K		Offices / Passages / General Area's	Beka LED Panel or equal and approved
A1		600x600 LED panel with white aluminium trim. Back lit with a 4mm opal diffuser and PMMA light guide CRI 80+, UGR =19, 110-120 lumens per watt complete with 6amp plug top and 3m cordset. 1 hour battery back up where indicated with 'e' at 20% output. Complete with 5 year warranty and lumen maintenance of >50 000 hours	Surface - Surface mount kit to be included	33W LED	4000K		Archives / Stores / Safes, Records Room	Beka LED Panel or equal and approved
A2		600x600 LED panel with white aluminium trim. Back lit with a 4mm opal diffuser and PMMA light guide CRI 80+, UGR =19, 110-120 lumens per watt complete with 6amp plug top, 3m cordset and Dali dimmable driver. Complete with 5 year warranty and lumen maintenance of >50 000 hours L80B10	Recessed	33W LED	4000K		Lecture Room	Beka LED Panel or equal and approved
B		LED downlighter with 130-140 lumens per watt (CRI 80+), complete with 3m cordset and 6amp plug top. 1 hour emergency battery back up where indicated with "e" at 50% output. Complete with 5 year warranty and lumen maintenance of >50 000 hours L70B10	Recessed in ceiling	9W LED	4000K		Bathroom /Ablutions/ Kitchen	Beka RondoLED Maxi or equal and approved
C		Marine grade high pressure die cast aluminium bulkhead fitting IP65 with high impact poly carbonate UV resistance prismatic diffuser. (130 - 140 lumens per watt and CRI 80+) (1 hour self contained emergency version where indicated). Complete with 5 year warranty lumen maintenance of >50 000 hours L70B10	Surface (wall mounted)	14W LED	4000K		Building Exterior	Beka Series 50 or equal and approved

Notes Samples of all luminaires are to be presented for approval before orders are placed. Quantities are to be confirmed by contractor Lamps to be Osram ,Phillips or equal and approved . Control gear to be Osram, Phillips, Tridonic, V&S or equal and approved . Full details to be submitted with sample.								
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					ENGINEER:	DRAWN:	DATE:	CHKD	P SIZE	TITLE:		
					MK	MK	Aug 2024	JK	A4			
					PROJ No.:		DWG No		REV	SCALE	 Approved in Principle Justin McKelvie-King Pr Eng : 20120548	
					32307_601				0	nts		
0	Original Issue			MK	22/01/234	MK						
REV	DESCRIPTION			BY	DATE	CHKD	FILE NAME: 32302_601_0		SHEET: 1 of 3			
											Makhaza Police Station	
											Luminaire Schedule	

Type		Description	Installation	Lamps		Qty	Location	Comments
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C1		Marine grade high pressure die cast aluminium bulkhead fitting IP65 with high impact poly carbonate UV resistance prismatic diffuser. (130 - 140 lumens per watt and CRI 80+) (1 hour self contained emergency version where indicated). Complete with 5 year warranty lumen maintenance of >50 000 hours L70B10	Surface (wall mounted)	7W LED	4000K		Covered Walkways	Beka Series 50 or equal and approved
D		LED Linear vapour proof fitting (1200mm) (IP65) (IK10) constructed from marine grade high pressure die cast aluminium with poly carbonate UV protected diffuser, (160 - 180 lumens per watt and CRI 80+). Complete with 5 year warranty and lumen maintenance of >50 000 hours L70B10	Surface	27W LED	4000K		Flammable Stores	Beka Vapourline or equal and approved
E		Ceiling mounted emergency exit signage. Complete with 2 hour self contained, maintained emergency with separate red/green indicator lights and test button. Complete with 5 year warranty.	Surface	5W LED	4000K		Emergency Exits	Supplied by Rubicon / Regent / ETAP or equal and approved
F		LED Post top mounted fitting constructed from marine high grade pressure die cast aluminium base and high impact polycarbonate diffuser, with built in photocell and 5m fibreglass pole. 120 -130 lumens per watt . Complete with 5 year warranty and lumen maintenance of >100 000 hours L70B10	Post top mounted	28W LED (a-symmetric light distribution)	4000K		External	Beka Zela or equal and approved
G		LED Post top mounted fitting constructed from marine high grade pressure die cast aluminium base and high impact polycarbonate diffuser, with built in photocell and 5m fibreglass pole. 120 -130 lumens per watt . Complete with 5 year warranty and lumen maintenance of >100 000 hours L70B10	Post top mounted	22W LED (symmetric light distribution)	4000K		External	Beka Zela or equal and approved

Notes

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Type		Description	Installation	Lamps		Qty	Location	Comments
				Type	Colour			
J		LED Linear vandal proof fitting (600mm) (IP66) (IK10) constructed from marine grade high pressure die cast aluminium with poly carbonate UV protected opaque diffuser, (140 -150 lumens per watt and CRI 80+). Complete with 5 year warranty and lumen maintenance of >50 000 hours L70B10	Surface Mounted	26W LED	4000K		Cells / Cell Blocks Secure Lobby / Cell Block Kitchen / Cell Admittance Area / Temporary Holding Cell	Beka RoughGuard LED or equal and approved
J1		LED Linear vandal proof fitting (300mm) (IP66) (IK10) constructed from marine grade high pressure die cast aluminium with poly carbonate UV protected opaque diffuser, (100 -110 lumens per watt and CRI 80+). Complete with 5 year warranty and lumen maintenance of >50 000 hours L70B10	Surface Mounted	7W LED (with night light)	4000K		Cells Shower and Toilet Cubicles / Temporary Holding Cell Toilet	Beka RoughGuard LED or equal and approved
J2		LED Linear vandal proof fitting (600mm) (IP66) (IK10) constructed from marine grade high pressure die cast aluminium with poly carbonate UV protected opaque diffuser, (140 -150 lumens per watt and CRI 80+). Complete with 5 year warranty and lumen maintenance of >50 000 hours L70B10	Surface Mounted	52W LED	4000K		Cells Exercise Yard / Cell Block Offloading Area	Beka RoughGuard LED or equal and approved
J3		LED Linear vandal proof fitting (300mm) (IP66) (IK10) constructed from marine grade high pressure die cast aluminium with poly carbonate UV protected opaque diffuser, (100 -110 lumens per watt and CRI 80+). Complete with 5 year warranty and lumen maintenance of >50 000 hours L70B10	Surface Mounted	7W LED	4000K		Cell Block Service Ducts	Beka RoughGuard LED or equal and approved
J4		LED Linear vandal proof fitting (300mm) (IP66) (IK10) constructed from marine grade high pressure die cast aluminium with poly carbonate UV protected opaque diffuser, (100 -110 lumens per watt and CRI 80+). Complete with 5 year warranty and lumen maintenance of >50 000 hours L70B10	Surface Mounted	15W LED	4000K		Cell Block - Passages / Stores / Visitors Area / Visitors Waiting / Pantry / Staff Toilets	Beka RoughGuard LED or equal and approved

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Approved in Principle
Justin McKelvie-King
Pr Eng : 20120548

