

FIXTURE TYPE	LAMPS			DESCRIPTION	MANUFACTURER OR EQUALLY APPROVED	CAT. No. AS APPLICABLE	IP#	VOLT	ISOMETRIC VIEW	REMARKS
	TYPE	No.	NOMINAL POWER							
65EC228	FLUO	2	28W	- CEILING OR WALL SURFACE MOUNTED - HOUSING MADE OF POLYCARBONATE HALOGEN FREE - REFLECTOR MADE OF GALVANIZED STEEL IN WHITE ENAMELLED FINISH - DIFFUSER MADE OF IMPACT RESISTANT POLYCARBONATE WITH PRISMATIC STRUCTURE	3F FILIPPI	LINDA	65	230		ELECTRONIC BALLAST
65EC128	WARM WHITE	1	28W		PHILIPS	PACIFIC				
	TS				SITECO	EQUAL				
20EM414	FLUO	4	14W	- CEILING SURFACE MOUNTED - BODY MADE OF WHITE POWDER COATED STOVE ENAMELLED SHEET STEEL - HIGH QUALITY ANODIZED ALUMINIUM DOUBLE PARABOLIC LOUVRE TO CONFORM WITH CAT II REGULATIONS	3F FILIPPI	P204 2M	20	230		ELECTRONIC BALLAST
	TS				PHILIPS	EQUAL				
	WARM WHITE				C-LUCE	EQUAL				
43EP414	FLUO	4	14W	- SURFACE MOUNTED - BODY MADE OF WHITE SHEET STEEL STOVE ENAMELLED - DIFFUSER MADE OF PRISMATIC METHACRYLATE	PHILIPS	PACIFIC	43	230		ELECTRONIC BALLAST
	TS				3F FILIPPI	EQUAL				
	WARM WHITE				C-LUCE	EQUAL				
44CF218	FLUO	2	18W	- CEILING OR WALL SURFACE MOUNTED - HOUSING MADE OF SELF EXTINGUISHING POLYCARBONATE - CLEAR POLYCARBONATE SELF EXTINGUISHING DIFFUSER	3F FILIPPI	PETRA GR 380 2X18	44	230		ELECTRONIC BALLAST
44CF118	COMPACT	1	18W		FRANCESCOINI	EQUAL				
	WARM WHITE				SITECO	EQUAL				
44RF118	FLUO	1	18W	- CEILING RECESS MOUNTED DOWNLIGHT - HOUSING MADE OF STEEL - HIGHLY SPECULAR PURE ALUMINIUM REFLECTOR - SAFETY GLASS DIFFUSER - ANODIZED ALUMINIUM DECORATIVE RING	SITECO	LUNIS	44	230		ELECTRONIC BALLAST
	COMPACT				3F FILIPPI	EQUAL				
	WARM WHITE				PHILIPS	EQUAL				
44RF218	FLUO	2	18W	- CEILING RECESS MOUNTED DOWNLIGHT - HOUSING MADE OF STEEL - HIGHLY SPECULAR PURE ALUMINIUM REFLECTOR - SAFETY GLASS DIFFUSER - ANODIZED ALUMINIUM DECORATIVE RING	SITECO	LUNIS	44	230		ELECTRONIC BALLAST
	COMPACT				TARGETTI	EQUAL				
	WARM WHITE				PHILIPS	EQUAL				
20CF226	FLUO	2	28W	- CEILING SURFACE MOUNTED - HOUSING MADE OF DIE CAST ALUMINIUM - ALUMINIUM REFLECTOR	PHILIPS	DODECA 220 AC	20	230		ELECTRONIC BALLAST
	COMPACT				SITECO	EQUAL				
	WARM WHITE				ZUMTOBEL	EQUAL				
44WF118	FLUO	1	18W	- WALL SURFACE MOUNTED - HOUSING MADE OF TECHNOPLYMERE - DIFFUSER MADE OF SATIN OPAL GLASS	PRISMA	LOGOS	44	230		
	WARM WHITE				RZB	EQUAL				
					GOCCIA	EQUAL				
65CF226	FLUO	2	28W	- CEILING SURFACE MOUNTED - HOUSING AND RING MADE OF POLYCARBONATE - ALUMINIUM REFLECTOR - OPAL POLYCARBONATE SELF EXTINGUISHING DIFFUSER	FRANCESCOINI	F.6141	66	230		ELECTRONIC BALLAST
	COMPACT				PRISMA	EQUAL				
	WARM WHITE				CONCORD	EQUAL				
65BM170	METAL	1	70W	- BOLLARD LUMINAIRE h= 100cm - HOUSING MADE OF DIE CAST ALUMINIUM - EXTRUDED ALUMINIUM PROFILE, COPPER FREE - POLYCARBONATE VANDAL PROOF DIFFUSER - SILICON GASKETS - POWDER PAINT WITH HIGH CORROSION RESISTANCE	MARECO-LUCE	1256.151M	65	230		
	HALIDE				SIMES	EQUAL				
	WARM WHITE				IGUZZINI	EQUAL				
65RM170	METAL	1	70W	- CEILING RECESS MOUNTED - HOUSING MADE OF DIE CAST ALUMINIUM - STAINLESS STEEL RING - GLASS DIFFUSER - SILICON GASKETS - POWDER PAINT WITH HIGH CORROSION RESISTANCE	SIDE LIGHTING	E8168/1	65	230		
	HALIDE				IGUZZINI	EQUAL				
	WARM WHITE				SIMES	EQUAL				
65WF226	COMPACT	2	28W	- WALL SURFACE MOUNTED DECORATIVE WALL WASHER - HOUSING MADE OF EXTRUDED ALUMINIUM - ASYMMETRIC ALUMINIUM REFLECTOR	SIDE LIGHTING	E8013 E8012	65	230		ELECTRONIC BALLAST
	WARM WHITE				TARGETTI	EQUAL				
					IGUZZINI	EQUAL				
65CM170	METAL	1	70W	- CEILING SURFACE MOUNTED - HOUSING MADE OF DIE CAST AND EXTRUDED ALUMINIUM WITH HIGH CORROSION RESISTANCE - 99.9 PURE ALUMINIUM REFLECTORS, NARROW BEAM 14 DEGREES - TOUGHENED GLASS DIFFUSER - DOUBLE POWDER PAINT - ADJUSTABLE LAMP POSITION	SIMES	S.3926	65	230		
	HALIDE				PHILIPS	EQUAL				
	WARM WHITE				BEGA	EQUAL				
	COLD	1	10W	- EXIT LIGHT DECORATIVE TYPE CEILING OR WALL MOUNTED FIXTURE - MAINTAINED TYPE OPERATION - 3 HOURS DURATION - EXIT & FIRE EXIT LETTERING IN ARABIC & ENGLISH - SELF EXTINGUISHING POLYCARBONATE - DOUBLE INSULATED - EQUIPPED WITH APPROPRIATE PICTOGRAMS AS SHOWN ON DRAWINGS	OVA	SLIM SIGNAL	20	230		ELECTRONIC BALLAST
	CATHODE				TM TECHNOLOGIE	EQUAL				
					MENVIER	EQUAL				
	FLC	1	8W	- WALL SURFACE MOUNTED AT 225 cm A.F.F.L. - NON MAINTAINED SELF CONTAINED - BODY MADE OF POLYCARBONATE - CLEAR FRESNEL LENS - 3 HOURS DURATION	OVA	N.RAPIDA	40	220 AC/DC		ELECTRONIC BALLAST
					TM TECHNOLOGIE	EQUAL				
					MENVIER	EQUAL				
	FLC	1	8W	- WALL SURFACE MOUNTED AT 50 cm A.F.F.L., PROTECTED BY STEEL SHIELD	OVA	GUARDIAN IP65	65	6.0V/ 7.2AH		
					MENVIER	EQUAL				
					LEGRAND	EQUAL				
	HALOGEN	2	22W	- WALL SURFACE MOUNTED, NON MAINTAINED SELF CONTAINED - WEATHER PROOF ENCLOSURE - 3 HOURS DURATION - DOUBLE INSULATED - SELF EXTINGUISHING POLYCARBONATE	OVA	GUARDIAN IP65	65	6.0V/ 7.2AH		
					MENVIER	EQUAL				
					LEGRAND	EQUAL				
BATTERY				- EMERGENCY DURATION = 3 HOURS - SYSTEM MODE = MAINTAINED OR NON MAINTAINED AS APPLICABLE - BATTERY = NICKEL CADMIUM - CHARGING MONITOR = LED	OVA					
+					MENVIER					
CHARGER					TM TECHNOLOGIE					
	HPS HIGH PRESSURE SODIUM	1	150W	- SINGLE BRACKET STREET LIGHTING LUMINAIRE MOUNTED ON 8m HIGH COLUMN - BODY MADE OF DIE CAST ALUMINIUM - VANDAL RESISTANT POLYCARBONATE BOWL	PHILIPS	IRIDIUM	66	230		

NOTES

1- FOR LIST OF DRAWINGS, LEGEND AND GENERAL NOTES REFER TO DWG. E001

DESIGNED	A.H.	DATE	2016
DRAWN	H.D.	PROJECT NO.	E003
COORDINATED	H.D.	PROJECT NO.	BY151600
CHECKED	R.S.	FILE NAME	
APPROVED	R.S.	DATE	February 2016
SCALE	1:1	BY 1516-FG-03-REV1	
DATE	February 2016		
APPROVED FOR CONSTRUCTION		SHEET NO.	

TENDER SUBMISSION

الجمهورية اللبنانية
مجلس الإنماء والإعمار

مهندس وخبير
Khatib & Alami
مستشار
consolidated engineering company S.A.L.

PROJECT TITLE
CHHIM GOVERNMENTAL OFFICES BUILDING

DRAWING TITLE
LIGHTING FIXTURE SCHEDULE