
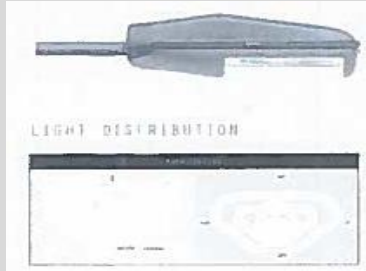



LIST OF ACCEPTED STREET LIGHTING

Luminaires


System Type	System Name / Reference	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
LED Luminaires		Equal to 1000/600/400/250/150 Watts	Canada	LED Roadway Lighting-NXT Series www.ledroadwaylighting.com	Refer to manufacturer installation and maintenance manuals. ASHGHAL warranty conditions for LED Luminaires shall be complied
			Europe	Philips www.philips.com	
			Europe	iGuzzini www.iguzzini.com	
			Europe	Schreder www.schreder.com	
			USA	CREE-Ruud Lighting www.cree.com	
			Italy	AEC- Italo1 www.aecilluminazione.com	
HPSV *Luminaires		1000/600/400/ 250/150 Watts with E-40 base	UK	Siemens www.siemens.com	Refer to manufacturer installation and maintenance manuals.
			USA/EU	GE –USA/EU www.ge.com	
			KSA	Saudi Lighting - KSA saudilighting.co	
			USA	Thomas & Betts –USA www.tnb.com	
			UAE /Holland	PHILIPS–UAE /Holland www.mea.philips.com	

*HPSV-High Pressure Sodium Vapour


Luminaires-Cont'd..

System Type	System Name / Reference	Description	Country	Manufacturer /Supplier	Acceptance Status / Comment
HPSV Luminaires-Cont'd	-Same as above-	-Same as above-	KSA	AL Babtain – KSA www.babtain.com	Refer to manufacturer installation and maintenance manuals.
			UAE/EU	SCHREDER GULF www.schredergulf.ae	
			UK/UAE	Thorn Lighting Lighting (UK) www.thornlighting.co.uk	
			Italy	AEC Italy AEC ILLUMINAZIONE SRL www.aecilluminazione.com	
			KSA	Gulf Lighting – KSA gulflightings.com	
			Turkey	Cemdag, Turkey www.cemdag.com	
High Mast Luminaires		1000/600/400 Watts complete with integral control gear, semi cut-off /cut-off type	UK	Siemens – www.siemens.com	Refer to manufacturer installation and maintenance manuals.
			USA/EU	GE-USA/EU www.ge.com	
			KSA	Saudi Lighting – www.saudilighting.com	
			USA	Thomas & Betts –USA www.tnb.com	
			UAE/Holland	PHILIPS –UAE/Holland www.mea.philips.com	

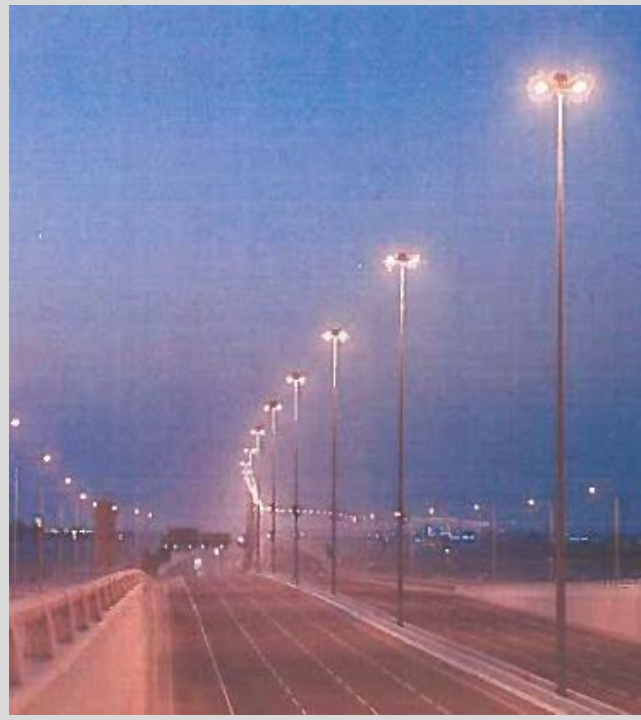
Luminaires-Cont'd..

System Type	System Name / Reference	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
High Mast Luminaire – Cont'd	-Same as above-	-Same as above-	KSA	AL Babtain – KSA www.albabtain-contracting.com	Refer to manufacturer installation and maintenance manuals.
			UAE/EU	Shreder –UAE/EU www.shredderuae.com	
Under Pass Luminaries		400W, 250W, 150W and 100W HPS	USA/EU	GE –USA/EU www.ge.com	Refer to manufacturer installation and maintenance manuals.
			UAE / Holland	PHILIPS –UAE / Holland www.me.philips	
			UAE/EU	Shreder –UAE/EU www.shredderuae.com	
			UK/UAE	Thorn –UK/UAE www.thornlighting.co.uk	
			Italy	AEC Italy www.aecilluminazione.com	


Feeder Pillars

System Type	System Name / Reference	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
Street Lighting Feeder Pillars		200 A (TPN), MCCB, 200 A (TPN) Magnetic contactor, 63 A SP MCB's (12/18/24 nos. for 4/6/8 ways),	Qatar	AA Eng- Qatar www.aaes.net	Refer to manufacturer installation and maintenance manuals.
			Oman	Al Hassan Switchgear Mfg. Co. LLC, www.al-hassan.com	
			UAE	Bin Ghalib – Sharjah – UAE www.binghalib.com	
			UAE	Arabian Gulf switchgear –UAE www.agswitch.com	
			Qatar	Gulf Switchgear –Qatar gulfswitchgears.com	
			Qatar	Qatari German Switchgear Co. – Qatar www.salaminternational.com	
			UAE	Faisal Jassim Industries, UAE www.faisaljassim.ae	
			UAE	C J Technology. Abu Dhabi (for Underground SLFP only) cjengg.com	
			UAE	SAS Power Industries FZE, UAE (of Galfar Al Misnad). www.saspower.com	
			Qatar	Al Farraj Electrical Engineering Doha Qatar (For SLFP only) www.alfarah.jo	
Qatar	EXCEL Metal Industries				


High Mast Columns/ Street Lighting Columns

System Type	System Name / Reference	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
High Mast Columns		Upto 30 metre complete with head frame top, foundation and suitable for mounting 6/8 luminaires	France	Petitjean Lighting Columns – France www.petitjean.fr	Refer to manufacturer installation and maintenance manuals.
			U.K	CU Lighting –U.K www.cuphosco.com	
			KSA	AL Babtain www.babtain.com	
			KSA	S&A Abahasian (Omega) – KSA www.omega-abahsain.com	
			KSA	Galvanco – KSA www.galvanco.com	
			Turkey	MITAS – Turkey www.mitas.com	
			Turkey	CEPAS - Turkey www.cepas.com.tr	
			Egypt	ELSEWEDY – Egypt www.elsewedyelectric.com	
			UK	Abacus – UK www.abacusuk.com	
			China	Ningbo Liaoyuan www.nbliaoyuan.com	
UAE	Galva Coat - UAE www.galvacoat.net				


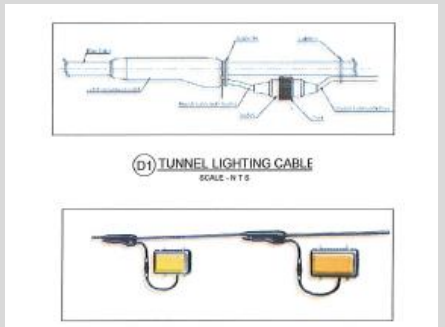
High Mast Columns/ Street Lighting Columns- Cont'd..

System Type	System Name / Reference	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
Street Lighting Columns		8, 10, 12 and 14 Metre high flange base type octagonal shape with arm	France	Petitjean Lighting Columns – France www.petitjean.fr	Refer to manufacturer installation and maintenance manuals.
			U.K	CU Lighting –U.K www.cuphosco.com	
			KSA	AL Babtain www.babtain.com	
			KSA	S&A Abahasian (Omega) – KSA www.omega-abahsain.com	
			KSA	Galvanco – KSA www.galvanco.com	
			Turkey	MITAS – Turkey www.mitas.com	
			Turkey	CEPAS - Turkey www.cepas.com.tr	
			UK	Abacus – UK www.abacusuk.com	
			UAE	Galva Coat – UAE www.galvacoat.net	
			Malaysia	Laysaght – Malaysia www.lysaghtmarketing.com.my	
			Bahrain	Ameeri Industries- Bahrain (AMGARD) www.ameeri.com.bh	
			China	Ningbo Liaoyuan www.nbliaoyuan.com	
			Egypt	Elsewedy Egypt	
KSA	Gulf Lighting KSA				

High Mast Columns/ Street Lighting Columns- Cont'd..

System Type	System Name / Reference	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
Street Lighting Columns		8, 10, 12 and 14 Metre high flange base type octagonal shape with arm	KSA	ISIN Turkey	Refer to manufacturer installation and maintenance manuals.
			Turkey	HRP Endusri A.S-Alcopole (Heper + Moonlight , Trukey	
			Turkey	United Steel Group Dammam KSA	
			KSA	Valmont Industries China	
			China	Al Meer	
			Kuwait	M/S Skipper Limited	
			India	M/S Jovier Spain	
			Spain	Gulf Medium Industries	
				HUB Steel Equipment PTY Ltd	

Electric Cables

<p>Street Lighting Cables</p>	 <table border="1" data-bbox="652 724 1216 787"> <tr> <td>Size : 4x16mm²</td> <td>Type : Cu/XLPE/SWA/PVC</td> </tr> <tr> <td>Voltage: 0.6/1 kV</td> <td>Standard: IEC 60502-1:2004</td> </tr> </table>	Size : 4x16mm ²	Type : Cu/XLPE/SWA/PVC	Voltage: 0.6/1 kV	Standard: IEC 60502-1:2004	<p>Street Lighting Cable :</p> <ol style="list-style-type: none"> 1) 6/10/16/25/35 Sq. mm. x 4 Core XLPE/SWA/PVC Cable, 600-1000 V A.C.2) 2) 3CX2.5/4mm²CU/PVC/PVC flexible heat resistant wire 	<p>UK/UAE KSA KSA KSA Kuwait Oman Egypt Doha Qatar UAE</p>	<p>Ducab –UK/UAE www.ducab.com</p> <p>Saudi Cable Company www.saudicable.com</p> <p>Riyadh Cable – KSA www.riyadh-cables.com</p> <p>Jeddah Cable – KSA www.jeddah-cables.com</p> <p>Gulf Cable – Kuwait www.gulfcable.com</p> <p>Oman Cable – Oman</p> <p>ELSEWEDY Cables – Egypt</p> <p>Doha Cables – Doha</p> <p>Nexans cables - QICC, Qatar</p> <p>National Cables- Sharjah</p>	<p>Refer to manufacturer installation and maintenance manuals.</p>
Size : 4x16mm ²	Type : Cu/XLPE/SWA/PVC								
Voltage: 0.6/1 kV	Standard: IEC 60502-1:2004								
<p>Tunnel Lighting Cabling System</p>		<p>Modular Cables Lighting System with heavy duty perforated cable tray</p>	<p>Japan</p>	<p>Nishi Nippon Electric Wire & Cable Co., Ltd.,</p>	<p>Refer to manufacturer installation and maintenance manuals.</p>				


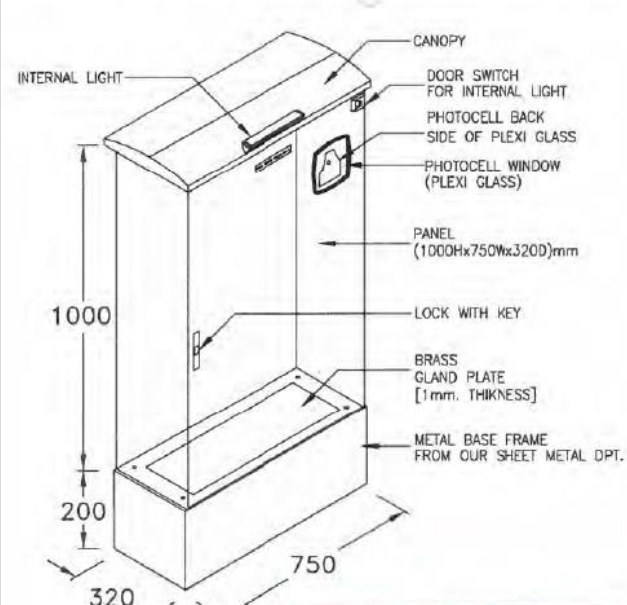
Electric Cables

System Type	System Name / Details	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments				
LV Joints for Street Lighting Cables	<table border="1" data-bbox="655 909 1228 972"> <tr> <td>Size :4x16mm²</td> <td>Type : Cu/XLPE/SWA/PYC</td> </tr> <tr> <td>Voltage: 0.6/1kV</td> <td>Standard: IEC 60502-1:2004</td> </tr> </table>	Size :4x16mm ²	Type : Cu/XLPE/SWA/PYC	Voltage: 0.6/1kV	Standard: IEC 60502-1:2004	240 Volts, 50 Hz AC	UK	Heat Shrinkable Polymer System	Refer to manufacturer installation and maintenance manuals.
		Size :4x16mm ²	Type : Cu/XLPE/SWA/PYC						
		Voltage: 0.6/1kV	Standard: IEC 60502-1:2004						
		India	Yamuna Gas						
		India	Raychem						
Germany	3 M								
Iran	Shahin Mafsal Co								

Miscellaneous Components.

System Type	System Name / Details	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
Magnetic Ballast, Capacitor & Ignitor		240 Volts, 50 Hz AC	Europe Holland USA/EU Germany Spain Spain	Tridonic – Europe Philips -- Holland GE-USA/EU Vossloh – Schwabe – Germany Layrton - Spain eLT - Spain	
High Pressure Sodium Vapour Lamps		1000/600/400/ 250/150 Watts with E-40 base	USA UAE/ Holland Germany /EU UAE Japan KSA	GE- USA Philips – UAE/Holland Osram – Germany/EU Aura Lights –UAE Melux –Japan Al Shams Advance Lighting	Refer to manufacturer installation and maintenance manuals.

Miscellaneous Components –Cont’d..

System Type	System Name / Details	Description	Country	Manufacturer /Supplier	Acceptance Status / Comments
CUT-OUT unit with MCB		Phenolic moulded 40 Amps. 440V. (TPN + E) with double connector complete with fuse carrier, three phase adapter, cable cover, MCB 6/10/16A	UK UK	Tofco- UK Lucy – UK	Refer to manufacturer installation and maintenance manuals.
GRP Enclosure for Feeder Pillar	 <p>INTERNAL LIGHT</p> <p>CANOPY</p> <p>DOOR SWITCH FOR INTERNAL LIGHT</p> <p>PHOTOCELL BACK SIDE OF PLEXI GLASS</p> <p>PHOTOCELL WINDOW (PLEXI GLASS)</p> <p>PANEL (1000Hx750Wx320D)mm</p> <p>LOCK WITH KEY</p> <p>BRASS GLAND PLATE [1mm THICKNESS]</p> <p>METAL BASE FRAME FROM OUR SHEET METAL DPT.</p> <p>1000</p> <p>200</p> <p>320</p> <p>750</p>	Fibreglass reinforced polyester	Spain	Schneider Electric , Spain	