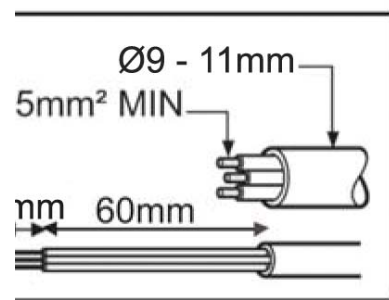
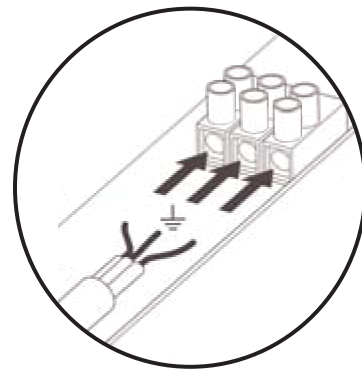
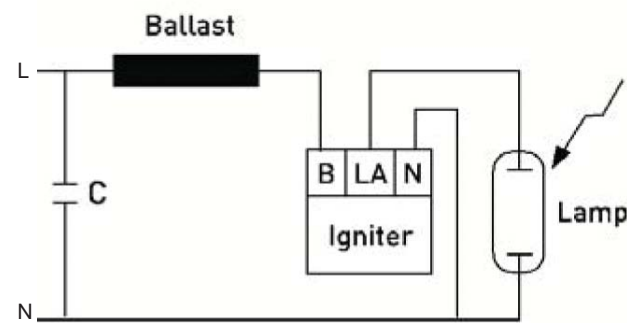
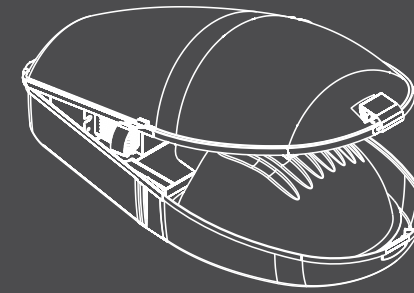


Electrical Line and Connection and Wiring Conditions



Security Warnings!

- Make the installation of fixture by an experienced and competent electrician.
- Disconnect the luminaire before installation and maintenance.
- In case of road and street luminaires are installed in an easily accessible place, ensure that there will not be any interference with the luminaire is made by unauthorized persons.
- Use a soapy cloth while cleaning the armature. Never use thinner and similar flammable, damaging materials.
- Do not use lamps that have expired their lifetime, replace them.
- Use the product at 220-240 V AC / 50-60 Hz mains voltage.
- Do not use goods with broken glass.



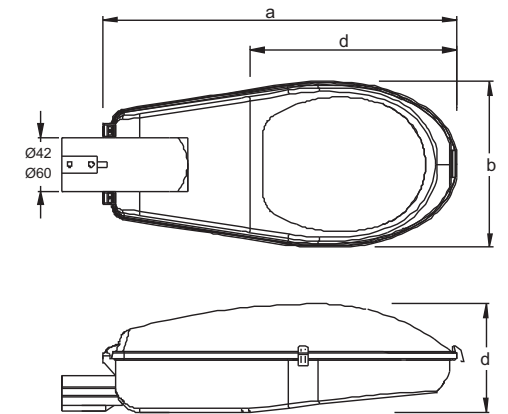
Road and Street Luminaires

Fixture Specifications

- Body** : Polimer injection
- Reflector** : %99 alluminium with metalized coating
- Ballast** : EN 60923 EN 61347-2-9
- Glass** : Heand and impact resistant 4mm thickness tempered glass
- Base** : EN 60238 porcelain
- Cable** : 1.5 mm² silicon
- Console** : Ø42 mm or Ø60 mm
- Latch** : Stainless steel
- Igniter** : EN 61347-2-1
- Capacitor** : Heat resistant
- Gasket** : Silicone

- Can be used with time series igniter and switched ballast

- Adjustable tail angle
- Can be used at 90 degree



Type	Power (W)	Current (A)	Lamp Type	Capacitor	Dimension (mm) a b c d	Package Volume (m ³)	Base	Pcs-Pack	Ballast Type
Riga	50	0,77	SON-T	10	515x241x148x278	0.04315	E27	5	Magnetic
Riga	70	1	SON-T	12	515x241x148x278	0.04315	E27	5	Magnetic
Sofia	100	1,2	SON-T	12	595x282x175x335	0.06560	E40	2	Magnetic
Sofia	150	1,8	SON-T	20	595x282x175x335	0.06560	E40	2	Magnetic
Sofia	250	3	SON-T	35	595x282x175x335	0.06560	E40	2	Magnetic
Roma	150	1,8	SON-T	20	750x350x200x360	0.06817	E40	1	Magnetic
Roma	250	3	SON-T	35	750x350x200x360	0.06817	E40	1	Magnetic
Roma	400	4,4	SON-T	45	750x350x200x360	0.06817	E40	1	Magnetic

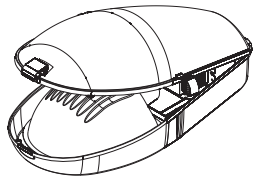
Torque Table

The tooth of screw (mm)	Rotation Moment Nm	
	1	2
3,6 - 4,1 (including 4,1)	0,70	1,20
4,1 - 4,7 (including 4,7)	0,80	1,80
4,7 - 5,3 (including 5,3)	0,80	2,00
5,3 - 6,0 (including 6,0)	-	2,50
6,0 - 8,0 (including 8,0)	-	8,00
8,0 - 10,0 (including 10,0)	-	17,00
10,0 - 12,0 (including 12,0)	-	29,00
12,0 - 14,0 (including 14,0)	-	48,00
14,0 - 16,0 (including 16,0)	-	114,00

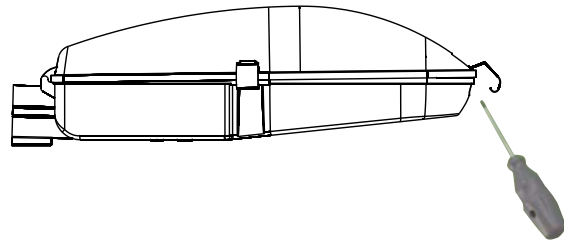
- Column 1 in the table, tightened screw, if the bolt does not protrude from the hole, the capless metal screws are applied.
- The following bolts made of 2 other metal screws or nuts and insulating materials;
- Keyholes are hexagonal headed screws that extend beyond the diameter of the teeth;
- Diagonal spacing screws with recessed slots and cylindrical heads that exceed the diameter of the teeth;
- Screws with a flat screwdriver channel or star-stud head whose channel length exceeds 1.5 times the diameter of the tooth.

Road and Street Luminaires

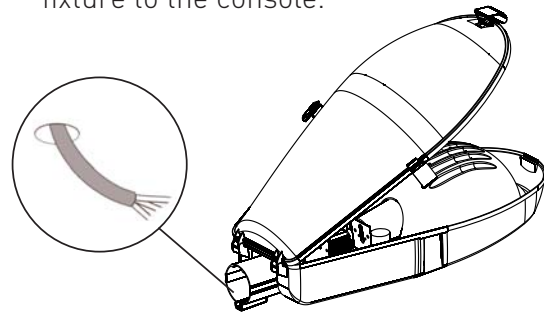
Installation Specification



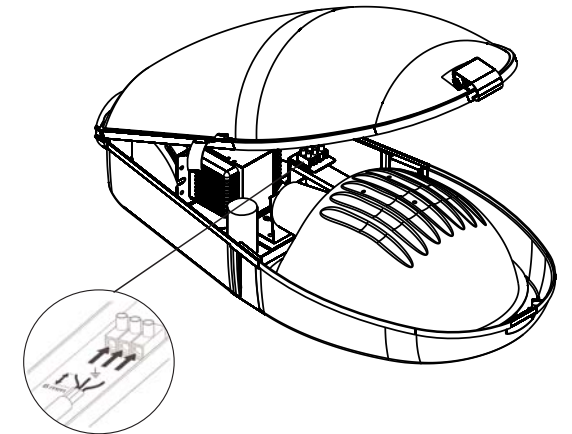
- Make the installation of fixture by an experienced and competent electrician.
- Disconnect the luminaire before installation and maintenance.



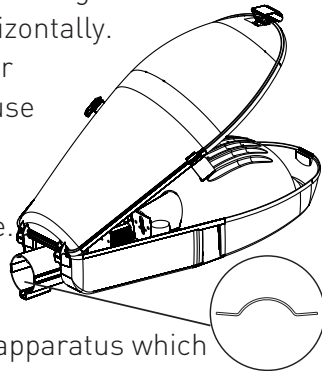
- To reach the terminal block put the energy cable from the tail of the luminaire to the interior side of it before the connection of Sofia Road and Street fixture to the console.



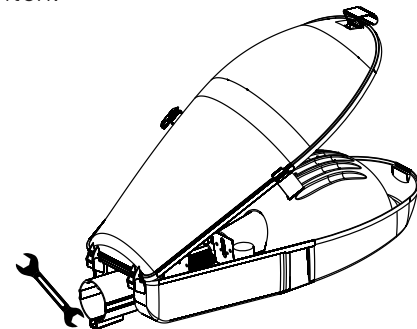
- Connect the 2-pin jack from the lamp end to the jack on the kit
Then, make the electrical connection according to the diagram by passing the protective ground line conductor through the back of the armature.
- Strip cable insulation up to 60mm
Then open the cable ends 5mm
Connect the cable ends to the terminal block L, N and ground.
The protective earth conductor (yellow / green) must be connected according to the mark.



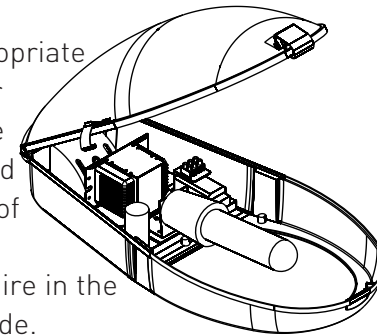
- Pay attention to the diameter of the console while connecting the road street fixtures horizontally.
- If console diameter will be 60 do not use the apparatus which is packed with the luminaire. If the diameter of the console will be 42 use the apparatus which is packed with the luminaire.



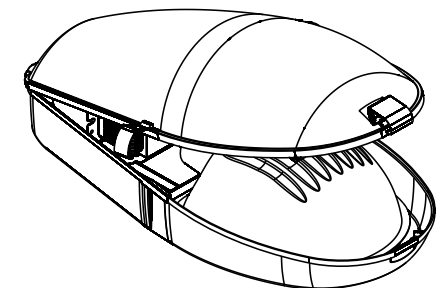
- While the connection of the tail of luminaire to the console make the installation with the M 8x30 screw and 13 switch.



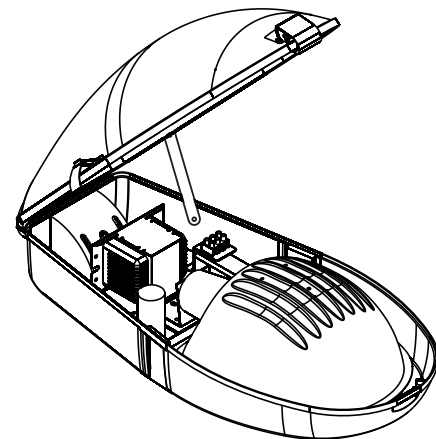
- Control the electrical connections of the Sofia Road and Street Luminaire according to the installation guide last time.
- Use the appropriate sodium vapor lamp with the power printed on the label of the road and street luminaire in the E40 base inside.



- Put the lamp on the fixing spring and tighten it well.
- Close the clips by pulling the inner hinge forward and put down.



- Open the clips made of stainless steel used to open and close the luminaire, as shown in the figure above, fix the inner hinge to prevent it from closing and install it easily.
- Bring the 3x1.5 mm energy input cable to the terminal on the back of the luminaire.



- If the console and the tail part of the armature are to be connected perpendicular to each other, unscrew the M 6x25 tail screws, make the tail part of the armature perpendicular and reassemble the screws.
- After electrical connection is completed, operate it at 220-240 V AC, 50-60 Hz.

