

Annex 1.3

Technical Data Form

Street Lighting Data

1. Territorial frame of a street lighting reconstruction and rehabilitation project

- Central part of the city / town
- Districts
- Number of streets and total length

2. Initial graphic documentation

- City / town map in an appropriate scale
- Scheme of the map sheets according to the city / town cadastral plan
- Working map sheets needed for the territorial framework of the project
- Digital model of the cadastral plan

3. Electric specification of the street lighting

- Power substations and distribution cassettes for street lighting supply
- Distribution of the available luminaries by power substations
- Number, type and capacity of the luminaries
- Installed capacity

Table 1

No	Power substation	Street	Street and park luminaries						
			Type of luminary	Capacity of luminary	Number			P _{installed}	
					Street	Park	Total	P _{luminary}	P _{luminary} + ΔP
1									
2									
3									
.									
.									

4. Distribution, type and number of luminaries by capacity of the luminaries and polls

Table 2

Type and capacity of luminaries	Street incandescent luminaries					Park incandescent luminaries	
	125 W		250 W		400 W	125 W	250 W
Number of luminaries on each poll	1	2	1	2	1	1	1
Number of polls							
Number of luminaries							
Total number of luminaries							

This information is collected for the different categories of streets (or for a separate street only).

5. State of the street lighting

- Cable and air network
- Number of running, turned out or absorbed luminaries
- Exploitation and maintenance of street lighting
- Shading from trees

6. Measurement of the level of street lighting illumination

- Average illumination over the street roadway
- Evenness of illumination

7. Accounting of the electricity consumed by street lighting by power substations for the last year

- Electric meters: lot, number of phases, number of tariffs
- Electricity [kWh]: double tariff – day and night tariff; single tariff; total

Table 3

No	Power substation	Electric meter			Electricity [kWh]			
		Lot	Phases	Tariffs	Night tariff	Day tariff	Single tariff	Total

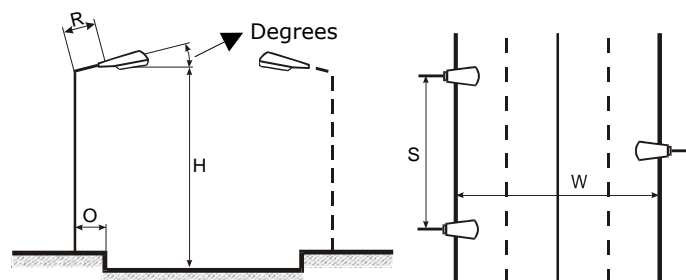
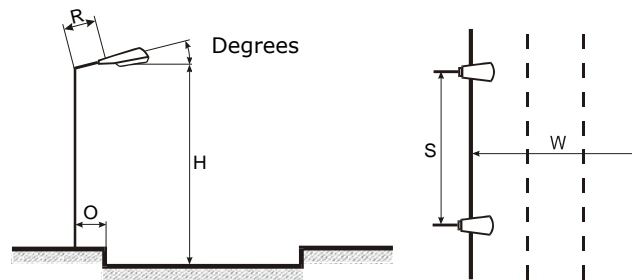
8. Management of street lighting

- Switch on / switch off: technical means – number and type;
- Other modes of running (for instance – turning off at night) – technical means

9. Geometric parameters of the street lighting systems

- Types of poll disposition
- Measurement of the geometric parameters of the basic streets of the city – main lines of communication and streets of secondary importance
 - street width - W , [m]

- height of luminary hanging - H , [m]
- distance between poll and edge of street roadway - O , [m]
- length and inclination of luminary hanger - R , [m]; [degrees]



10. Classification of street lighting in dependence of the level of illumination

It is done on the basis of the current national standards.

- City's main lines of communication
- Secondary streets
- Servicing streets

For each type the following data should be collected: number and name of streets; length, number and type of luminaries; configuration and geometric parameters of the lighting system.