Checklist for Street Lamps

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Customer data** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Company name | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | |
| Contact person | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | |
| Company address | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | |
| Phone | | | | | | |  | | | | | | | | | Fax | | | | | | | |  | | | | | | |
| E-Mail | | | | | | |  | | | | | | | | | Webpage | | | | | | | |  | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Quantity** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lamps | | | |  | | | | | | | | | Or length of street in [m] | | | | | | | | | | | |  | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Location of the Street Lighting System** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nearest city, country | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Battery box** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| All components on the top of pole | | | | | | | | |  |  | Module und Lamp on the top of pole, battery on the ground | | | | | | | | | | | | | | | |  | |  | |
| Lampione_WTP55_Wlight | | | | | | | | | | | | | | | 600033 | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lamp** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 W LED Lamp | | | | | 950 lm | | | | | | | | |  | | | | | | | | | | | |  | | | | |
| 20 W LED Lamp | | | | | 1830 lm | | | | | | | | |  | | | | | | | | | | | |
| 24 W LED Lamp | | | | | 2170 lm | | | | | | | | |  | | | | | | | | | | | |
| 30 W LED Lamp | | | | | 2400 lm | | | | | | | | |  | | | | | | | | | | | |
| 36 W LED Lamp | | | | | 2860 lm | | | | | | | | |  | | | | | | | | | | | |
| 40 W LED Lamp | | | | | 2810 lm | | | | | | | | |  | | | | | | | | | | | |
| 48 W LED Lamp | | | | | 3330 lm | | | | | | | | |  | | | | | | | | | | | |
| 50 W LED Lamp | | | | | 3980 lm | | | | | | | | |  | | | | | | | | | | | |
| 60 W LED Lamp | | | | | 4760 lm | | | | | | | | |  | | | | | | | | | | | |
| 72 W LED Lamp | | | | | 5650 lm | | | | | | | | |  | | | | | | | | | | | |
| 80 W LED Lamp | | | | | 5550 lm | | | | | | | | |  | | | | | | | | | | | |
| 96 W LED Lamp | | | | | 6580 lm | | | | | | | | |  | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lampholder** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Single | |  |  | | | | | | | | | Double | | | | | | |  | | | |  | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Lighting Duration** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Required Lighting Duration (h) per night | | | | | | | | | | | | | |  | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Fixed programming** | | | | | |  | | **Bluetooth** | | | | | | | | | |  | | | | **GSM** | | | | | |  | |
| Without monitoring, without remote control | | | | | | | | Monitoring and remote control with laptop; range of coverage max. 15 metres | | | | | | | | | | | | | | Monitoring via mobile phone system  SIM-card required for each lamp | | | | | | | |
|  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | | | | |
| **Fixed programming** | | | | | | | | **Functions with remote control (Bluetooth or GSM)** | | | | | | | | | | | | | | | | | | | | | | | |
| Automanagement is recommended.  Individual switching times may be adjusted. Choose from the following list. | | | | | | | | 1. Free programming of all on-off periods 2. Data monitoring (data logger readout) 3. Monitoring electrical data 4. System Check-up 5. Troubleshooting detection 6. Identification number given for each single equipment | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Time programme without control** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hours after sundown | | | | | | | | | | | | | | | | |  | | | 1 4 8 12 16 | | | | | | | | | | | | |
| Symbols for illumination intensity  energy can be saved with „reduced flux“ | | | | | | | | | | | | | | | | |  | | | full flux 100%  reduced flux 70%  off | | | | | | | | | | | | |
| Automanagement (recommended) | | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | |
| 7 hours | No light in the morning | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | |
| 8 hours | Morning light only in the summer | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | |
| 9 hours | Frequent cut-offs on winter mornings in northern latitudes | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| 10 hours | Occasional cut-off on winter mornings in northern latitudes | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | |
| 11 hours |  | | |  | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| 12 hours |  | | |  | | | | | | | | | | | | |
| 13 hours | Also light in the mornings, but high energy consumption | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | |
|  | | |  | | | | | | | | | | | | |
| 14 hours |  | | |  | | | | | | | | | | | | |
| \_Customer requirements | | | | | | | | | | | | | | | | |  | | |  | | | | | | | | | | | | |

Lamp shines up to 12 hours with „full flux“ under good irradiation conditions. The controller decreases the energy consumption automatically only in bad weather periods by gradually replacing „full flux“ by „reduced flux“. In the worst case, the energy consumption is reduced to 1 hour „full flux“ and 11 hours „reduced flux“.

In northern latitudes reloading may be interrupted for several days by snowfall keeping the lamp out of operation for some days.

The light can be switched on only after the battery has been sufficiently reloaded. To this end, several sun hours are necessary. It must be also considered that a winter night lasts longer than 12 hours.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | |
| **Pole (should be acquired best on location, can be supplied only in exceptional cases)** | | | | | |
| With Pole |  |  | Without Pole |  |  |
| Requested pole height | | |  | | |
| Other place of installation (please note) | | |  | | |