

TENDER & ENGINEERING STARTER PACK

Solar Street Light RFQ Checklist

A practical input checklist for preliminary configuration review and quotation preparation.

IMPORTANT

Do not select a solar street light by wattage alone. System structure, battery and PV sizing, optics, pole geometry, operating profile, climate, and required documents must be reviewed together.

1. Buyer and project identity

Review item	Confirm
Company, contact name, work email, and buyer type	☐
Country, city, site coordinates or nearest known location	☐
Project stage: concept / budget / tender / award / replacement	☐
Required quotation date and tender deadline, if applicable	☐
Quantity and expected delivery schedule	☐

2. Road and installation geometry

Review item	Confirm
Road type and use: municipal road / highway / rural road / village / industrial / campus	☐
Road width, number of lanes, median or shoulder details	☐
Preferred pole height, pole spacing, and layout: single-side / staggered / opposite / median	☐
Mounting arm length and tilt, if already specified	☐
Existing drawing, road cross-section, map, or marked site photos attached	☐

3. Lighting and operating requirements

Review item	Confirm
Target maintained illuminance or applicable road-lighting standard	☐
Uniformity, glare, CCT, and optical distribution requirements	☐
Daily operating hours and dusk-to-dawn requirement	☐
Dimming schedule, motion sensing, remote control, or fixed output	☐
DIALux / Relux simulation and IES / LDT file requirements	☐

4. Solar, battery, and environment

Review item	Confirm
Required backup or autonomy days	☐
Shading, rainy season, low-sun period, or site-specific solar resource notes	☐
Ambient temperature range, dust, humidity, flooding, and lightning exposure	☐
Coastal or corrosive environment and required surface protection	☐
Known wind speed or project wind-load requirement	☐

5. Structure, installation, and protection

Review item	Confirm
Preferred structure: all-in-one / all-in-two / split / open to engineering review	☐
Pole material, height, arm, flange, anchor bolts, and hot-dip galvanizing requirements	☐
Foundation reference needed; geotechnical or soil information available	☐
Anti-theft requirements for battery, PV panel, fasteners, or access door	☐
Installation team capability, training, tools, and commissioning support needs	☐

6. Documents and tender support

Review item	Confirm
BOQ, technical specification, drawings, and approved-vendor requirements attached	☐
Required datasheet, IES/LDT, DIALux, pole drawing, foundation reference, wiring diagram	☐
Required test reports, compliance documents, battery transport documents, SDS / UN38.3	☐
Packing, marking, spare parts, inspection, acceptance, and handover requirements	☐
Required file naming, language, revision, and submission format	☐

ENGINEERING REVIEW BOUNDARY

This checklist supports preliminary review only. Final configuration, model selection, photometric results, pole/foundation details, and compliance documents are released only after project and model confirmation.

Missing-input action list

Missing input / clarification	Action
1. _____	Owner: _____
2. _____	Owner: _____
3. _____	Owner: _____