


The diagram illustrates the electrical connection between a main power supply and a lighting control cabinet (SO-1).

**Main Power Supply:** A vertical line labeled "Linia K-2" enters a box containing a "kWh" meter. Below the meter, two vertical lines are labeled "6 A".

**Lighting Control Cabinet (SO-1):** A large box labeled "Szafa sterowania oświetleniem - SO-1" contains the following components and connections:

- Input:** A cable labeled "YAKXS 4x35mm2" enters the cabinet from the bottom left.
- Breaker:** A circuit breaker labeled "RBK000" is connected to the input cable.
- Busbar:** A horizontal busbar is connected to the RBK000 breaker.
- Lighting:** A single-pole switch labeled "1P 6A" is connected to the busbar. It controls a lighting fixture (represented by a circle with an 'X') and a set of three parallel lighting fixtures (each represented by a circle with an 'X').
- Grounding:** A ground symbol is connected to the busbar and the lighting fixtures. The ground is labeled "PEN".
- Control Unit:** A control unit labeled "23.06" is connected to the busbar and the lighting fixtures.



$10\Omega$

Projektowany obwód nr 2 YAKXS 4x35mm2 l=699m 15x Luxon Cordoba 77W Pi=1,55kW
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WP  
Projekt

Tytuł rysunku				
<b>Schemat szafki oświetleniowej</b>				
Stanowisko	Imię i nazwisko		Nr uprawnień	Podpis
<b>Projektant - elektryka</b>	mgr inż. Jarosław Kalemba		179/DOŚ/14 <small>w specjalności elektrycznej do projektowania bez ograniczeń</small>	
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Stadium	Skala	Data	Nr egz.	Nr rys.
<b>PBW</b>	<b>-</b>	<b>05.2019</b>		<b>04</b>