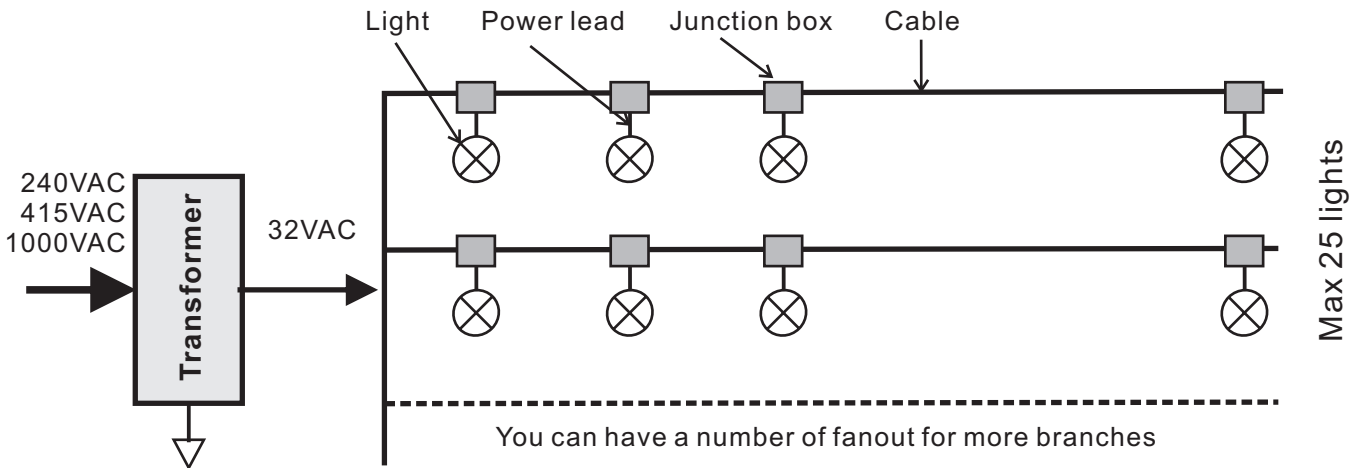


ELV LED Tunnel Lighting System includes a number of LED tunnel lights with junction boxes powered from a 240V-32V step-down transformer. It is designed for general lighting out side of the hazardous area in underground mines. The light also can be used individually for coal processing plants using our or your own transformer. Low voltage, IP67 and the rebuts structure make it completely safe for mining applications. Lights comply with EMC standard, tested by a NATA accredited laboratory.

STRUCTURE

A light includes two separate LED sources and a power supply between them. A power lead permanently attached to the light can be connected to a junction box supplied with the system. Built-in temperature sensors continuously monitor the temperatures within the light and will reduces the power whenever the temperature exceeds the specified value so as to guarantee the light operating in a room temperature. Therefore, the light can be automatically set in a power between 30W and 40W depending on environment and power supply.

Our 1kVA mining transformer is centre tapped to reduce the step and touch potential to 16 VAC above ground. It has multiple supply voltages of 240, 415 and 1000VAC and a 32VAC output. It is earth screened and has circuit breaker two pole output protection. Each transformer can drive up to 25 lights. The output of the transformer can have a number of fanout so several branches of light strings can be archived.



System components: Transformers, Lights with a lead, Junction boxes. The number of each component can be ordered to your system requirements.

COMPARISON TO FLUORESCENT LIGHT

	Fluorescent light	RTLA1
Power Voltage:	240V - Unsafe	<40V - Safe
Installation:	Complicate	Easy and quick
IP rating:	Normally <IP67	IP67, can be hosed
Service:	Changing tube	No service



SPECIFICATIONS

Light	Transformer	System
Power: 30-40W	Capacity: 1kVA	Max number of lights: 25
Voltage: 20-40VCA	Primary: 240/415/1000VCA	Number of junction boxes: Any
Ingress rating: IP67	Secondary: 32VAC	Number of branches: Any
Weight: 900g	Weight: kg	Current rating of cables: >30A

