



## Power Supplies

ALT-30-24  
ALT-60-24

ALT-100-24  
ALT-150-24

[Quick Installation Guide](#)

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### FEATURES

The GJD range of Power Supply Units are IP67 rated, constant voltage devices designed to power the GJD range of LED illuminators. They feature a regulated 24Vdc output supplying continuous full rated current to load. The universal mains input voltage allows the power supply to be used across a wide geographical area while the highly efficient switch mode design ensures low operating costs and cool running. They are available in four power variants, providing enough power for multiple units as necessary.

- Available in 30W, 60W, 100W or 150W versions
- High efficiency switch mode technology
- IP67 design for outdoor use
- Universal mains input voltage 90-264Vac (170-264Vac on 150w version)
- Short circuit, Overload, Over temperature and Over Voltage protection
- Operating Temperature: -25°C to +50°C
- Installation lugs for surface mounting

### CONNECTIONS

#### Mains Input:

Brown Live  
Blue Neutral  
Yellow/Green Earth

#### 24Vdc Output:

Red 24Vdc  
Black 0V

### INSTALLATION AND SET-UP

Mount the power supply on a sound surface using appropriate fixings for the installation, mounting lugs are available on each device.

The unit is only suitable for installation as permanently connected equipment. **EQUIPMENT MUST BE EARTHED.** Before installation, ensure that external disconnect devices is OFF. The PSU should be installed according to all relevant safety regulations applicable to the application.

The unit is intended for use by Service Personnel only - There are NO USER SERVICEABLE parts inside. There is now regular maintenance required of the PSU, if the output of the PSU fails, the cause of the failure should be investigated e.g. short circuit load. The fault should be rectified before restoring power to the PSU.

### DISPOSAL OF PRODUCT AT END OF LIFE

This product falls within the scope of EU Directives 2002/96/EC Waste Electrical and Electronic Equipment (WEEE). At the end of life, the product must be separate from the domestic waste stream and disposed via an appropriate WEEE disposal route in accordance with all national and local regulations.

**This packaging supplied with this product may be recycled. Please dispose of packaging accordingly.**

### COMPLIANCE

This product meets the essential requirements of the following EU Directives:

Low Voltage: 2006/95/EC  
EMC: 2004/108/EC  
WEEE: 2002/96/EC  
RoHS: 2002/95/EC



### TECHNICAL SPECIFICATIONS

Model	ALT-30-24	ALT-60-24	ALT-100-24	ALT-150-24
Power	30W	60W	100W	150W
Output (dc)	24Vdc (+/-3%)			
Load Current (max)	1.25A	2.5A	4.17A	6.25A
Efficiency (Typ)	88%	88%	87%	89%
Ripple	150mV pk-pk (max)			
Input (Mains)	100-277Vac			170-264Vac
Frequency (Mains)	47Hz-63Hz			
PSU Protection	Over Voltage, Overload, Over Temperature, Short Circuit, Lightning Protection (on 60W, 100W, 150W)			

### MECHANICAL/ENVIRONMENTAL

IP Rating	IP67			
Dimensions (LxHxW)	196 x 26 x 35	153 x 44 x 67	183 x 44 x 67	213 x 44 x 63
Weight	250g	350g	1050g	1100g
Operating Temp	-25°C to 50°C			
Storage Temp	-40°C to 80°C			
Warranty	3 Years			