

Jumbo Hall Lantern



The Jumbo Hall Lantern is a modern design with a wide range of illumination options and faceplate finishes will match the décor of any lift.

The lantern is a 76mm wide equilateral triangle for a bolder look. The high brightness LED illumination ensures a brilliant and clearly illuminated arrow, easily visible at long distances and from wide angles. This product meets the requirements of EN81-70 for landing signals.

Construction

The Jumbo Hall Lantern is made from flame retardant polycarbonate to provide a high degree of vandal resistance. The power input cable is an insulation displacement 24 awg wire which gives a dependable and clean connection.

The lantern can be supplied loose or incorporated into stations with faceplate thickness ranging from 1.5mm to 3.0mm. Faceplates can be a wide range of materials of any length and width and can be assembled with 1 lantern or with other items such as other lanterns and/or gongs for example.

Illumination

The 5 LED's on the lantern board are spread in a triangle configuration giving an even coverage of bright illumination to the arrow. Nominal 24VAC as well as 120VAC operation is possible with an adapter cable or special variant of the PCB assembly. Colours available are Red, Green and White.

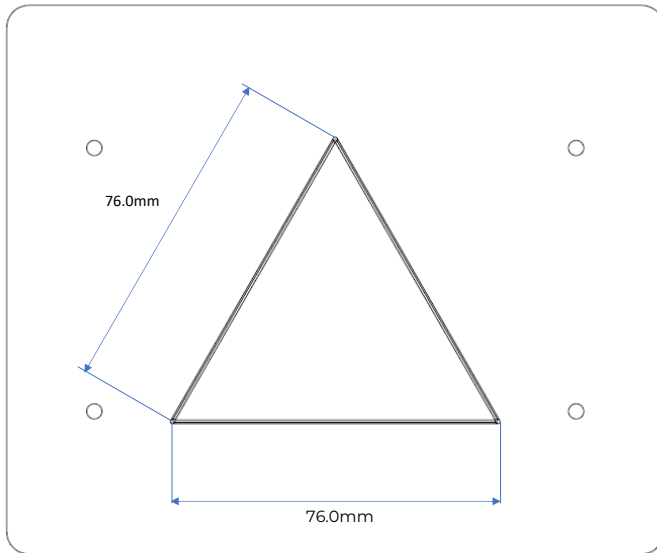
Key features

- Bright clear illumination
- Easily visible at long distances and wide angles
- It can be used in combination with most displays
- Range of colours, including red, green, and white

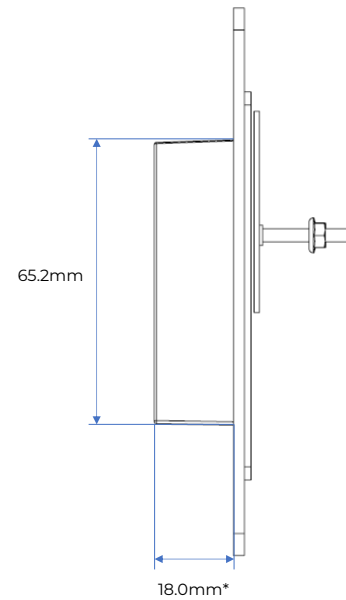
Technical details

Dimensions

front view



Side view



*Protruding through a 2.5mm thick faceplate

Technical details

Board size	2.49" x 2.49" x 0.3" (0.15" above lit surface, 0.15" below lit surface)
PCB material	0.062" FR4 TG150 Fibreglass, ULV94V0, RoHS compliant, 1oz copper, white Soldermask
Power input	nominal 24VAC, 30-45mA rms. (Varies with LED colour)
	120VAC operation possible with adapter cable or special variant of PCB assembly
	Connector: 01: pitch header
Power input cable	24VAC cable - insulation displacement 24 awg wire
	120VAC cable - insulation displacement 24 awg wire with inline 3K3 resistor
LED specifications	Red: 3.2mm x 2.8mm rectangle, 120°, wavelength 624nm, 1120 mcd Typ. @ 20ma.
	Green: 3.2mm x 2.8mm rectangle, 120°, wavelength 527nm, 3200 mcd Typ. @ 30ma.
	White: 3.2mm x 2.8mm rectangle, 120°, chromaticity x=0.33, y=0.34, 2300 mcd @ 20ma.
PCB LED configurations	Triangle: qty 5 LEDs in triangle configuration
	Circular: qty 6 LEDs in circular configuration

Call for custom configurations and sizes

Components

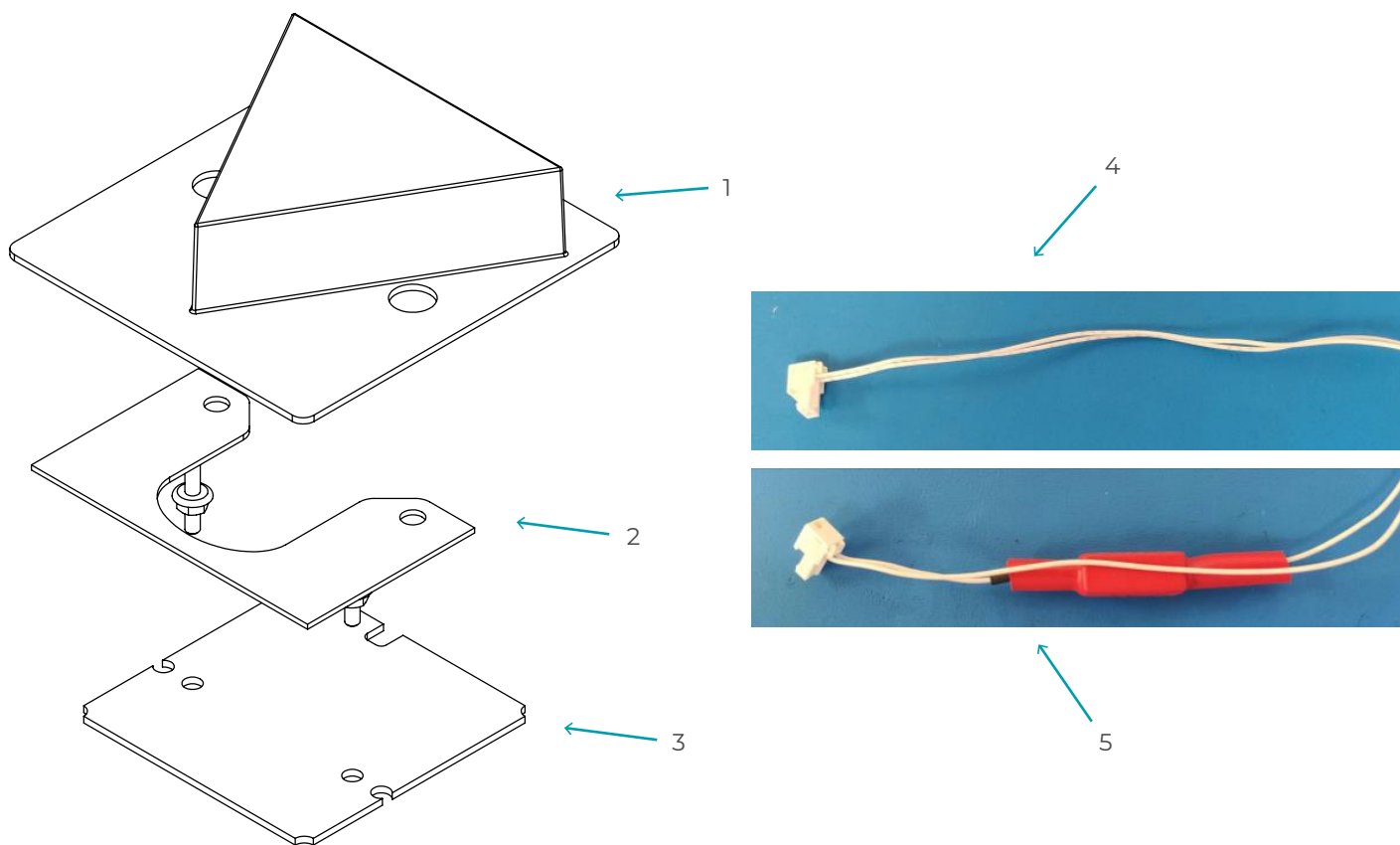


Diagram item number	Part number	Description
1	00P2002122	3" Jumbo Lantern Arrow
2	00P2004210	Horseshoe Adapter Plate
3	00P2003210	24V Red LED PCB
	00P2003214	24V Green LED PCB
	00P2003219	24V White LED PCB
4	00P2003024	24VAC Cable
5	00P2003120	120VAC Cable

Cleaning your Dewhurst product

Many Dewhurst lift products are made of polycarbonate (Using GE's Lexan® or Bayer's Makrolon®). The Jumbo Hall Lantern is highly durable and vandal resistant, but plastic parts can be damaged by aggressive cleaning agents.

Recommended guidance



Clean with a cotton cloth and warm water before applying the cleaning product.



Use PH-neutral or slightly acid cleaning products only (including aromatised ones).



Ethylic alcohol, isopropyl alcohol or ethylene glycol based multipurpose cleaning products and dish soaps are suggested. Dilute the cleaning product in warm water and apply using a wet cotton cloth.



Grease, glue and paint may be removed with ethylic alcohol or isopropyl alcohol.

DO NOT USE

- X Abrasive cleaning agents
- X Cleaning agents at high temperatures
- X Antibacterial detergent
- X Sharp tools to remove dirt (chewing gum, glue, etc.)
- X Solvents based with Ketones, benzene, methanol, toluene (methylbenzene or phenyl methane)
- X Alkaline and ammonia based cleaning agents or ones containing citrus

DO NOT leave cleaning agents on the parts for long periods of time: remove immediately after cleaning using a damp cotton cloth.



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