

## 5 LAMP KIT

WESTAIR PART NO. A14442 (FV2068340)

### DESCRIPTION

The five lamp kit is a package of 5 luminaires, a connection box, interconnecting harnesses and mounting clips which are all carried in a strong canvas valise.

A string of lights may be connected in festoon for general illumination of penthouses, tents or inflatable shelters with the luminaires being mounted on clips or slings. Alternatively, one individual luminaire may be used on its own as a wandering inspection light.

The kit consists of four luminaires which give white light, one luminaire which gives blue 'moonlight' light, one connection box which carries a three position switch (off, moonlight, white light) a power supply warning light and three output sockets, six interconnecting harnesses, ten multi-purpose clips and the valise. Also included are two loose input connectors to fit different supply outlet sockets.

### CONSTRUCTION

The luminaires are comprised of an 8 watt (12 in) fluorescent tube mounted with its electronic ballast on a semicircular section polished aluminium light shield/reflector, all housed within a heavy duty protective acrylic enclosure 38mm dia x 470mm long.

The ends of the lightshield are attached to aluminium plugs which carry the connectors and which are fitted with sealing rings to prevent the ingress of dust and moisture. A knurled ring-nut on the plug remote from the handle secures the interior within the acrylic enclosure; removal of this nut allows the interior to be withdrawn for access to the components.

The kit A14442 uses threaded MS connectors shell size 10SL-3. It is also possible to supply kits using MS connectors with bayonet lock coupling or Belling Lee L1349 connectors.

# WESTAIR

Suppression components are incorporated on the electronics assembly to reduce emissions to the limits of RARDE specification 595 paragraph 4.2. Four of the luminaires give white light and the fifth has its tube enclosed in a translucent blue plastic tube to give the 'moonlight' effect.

The control box consists of a sealed moulded ABS box carrying the supply cable which passes through a sealed cable gland, three connectors (two outputs for white light, one output for moonlight), a three position off-on-on lever switch (off, moonlight, white light) and a power on warning light.

The interconnection harnesses carry the appropriate connectors and the various lengths allow a choice in the positioning of the luminaires. If required, the harnesses can be interconnected.

The multi-purpose clips may be attached to the luminaires which may then be clipped on to tent poles or similar tubes. The clips are also provided with nylon cord and wooden toggles to allow the lights to be attached to loops or hooks.

## INSTALLATION

By use of the clips or the cord and toggles the lamps may be installed in a variety of ways, as appropriate to the particular application.

The connector box is linked to a 24/28 volt DC supply through its attached lead and connector. It is important to ensure that the polarity of the supply is correct because although the luminaires are protected against reverse polarity, they will not function under this condition.

## RELAMPING

After the luminaire is disconnected from the supply the knurled ring-nut is removed and the interior is withdrawn. Gentle pressure may be applied through appropriate protection to the protruding end to help overcome initial friction or sticking of the seals.

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### TECHNICAL DETAILS

Luminaire	General Purpose Light	C14284 - FV2068341
	General Purpose Moonlight	C14439 - FV2068342
Length	505 mm	
Diameter	40 mm	
Weight	0.23 Kg	
Tube type	300 mm 8 watt	
Operating temperature	-10°C to 35°C	
Storage temperature	-40°C to 60°C	
Supply voltage	24/28 volts DC	
Power consumption	approx 15 to 19 watts per tube	

The Moonlight version has a tube of translucent blue material placed over the fluorescent tube.

Connection Box	B14363 - FV2068343
Overall length	133 mm
Overall width	120 mm
Overall height	55 mm
Lead length	415 mm
Weight	0.32 Kg

### Harnesses and Clips

2 off intermediate harnesses	1.5m long	B14285/1 - FV2068344
3 off intermediate harnesses	3.5m long	B14285/2 - FV2068345
1 off intermediate harness	5.0m long	B14285/3 - FV2068346
10 off multipurpose clips		B14441 - FV2068347
1 off valise		B14440 - FV2068348
1 off connector	SB-MS 3106E/C 14S-7P	
1 off connector	55A-14-22 PB with 05-205B-14-22	
Total weight of kit and valise	7.00 Kg approx	