DHA

DIGITAL LIGHT CURTAIN

Two metre unit

Eight 12 Volt Par 56 lamps

Integral tilt drive and
colour scroller

Up to 20 colours

Smooth continuous motion at all
speeds for both tilt and colour

Fine control to 0.1° of tilt

Programmable for split colour

Simple electronic alignment
of multiple units

Comprehensive control package

For more information contact
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Digital Light Curtain Specification

The DHA Digital Light Curtain is a self-contained 8 lamp light curtain with built-in tilt mechanism and colour scroller. All functions are computer controlled.

Lamps
The Digital Light Curtain uses eight 12 Volt 240 Watt PAR 56 lamps wired in series. These lamps are available with very narrow, medium and wide flood beam angles. Neon indicators beside each lamp signal filament failure.

Each lamp locates positively into position for perfect alignment of lamp filaments, and may easily be replaced using only a flat-bladed screwdriver. A safety interlock cuts lamp power when the unit is opened for servicing.

Tilt System
The Digital Light Curtain is capable of rotating through 350° along its centre axis to $1/10$° resolution, with virtually zero backlash. Tilt moves may be programmed either by time – up to an hour for any given change – or by speed, to a maximum of 60° per second (10 RPM).

Colour Scroller
The built-in scroller unit holds up to 20 colours, each colour band measuring 210mm x 1766mm. The colour scroll is mounted on a detachable roller, to enable a complete scroll change to be made very rapidly by the replacement of a single roller. Spare scrolls may be stored on rollers ready for fitting; extra rollers are inexpensive and readily available from stock.

Fractional positions can be programmed to $1/10$° of a colour band, providing the option of split colours for special effects. Colour changes can be specified by time or speed, at up to 2 colours per second.

Mechanical Installation
The Digital Light Curtain has been designed so that when units are hung in chains end-to-end there is a minimum of disruption to the spacing of lamp centres.

Each Light Curtain is suspended from two hook clamps.

Control
The Digital Light Curtain's on-board microprocessor and command language facilitate a high degree of control by almost any computer provided with a serial interface, using a simple command structure. There are no thumb-wheel switches to set – units are remotely patched and repatched.

Individual Digital Light Curtains can be cued either independently or in user defined groupings.

Colour and tilt movement are independently timed and even at very low speeds, both are exceptionally smooth.

Light Curtains hung end-to-end can be individually aligned electronically, dispensing with the need for precise mechanical adjustment.

The straightforward logic interconnection uses robust, inexpensive crimp-on connectors.

Apple Macintosh Software
A sophisticated control package has been written for any Apple Macintosh computer (including the new low-cost Mac Classic). It manages up to 99 Digital Light Curtains, enabling versatile plotting, editing and execution of cues, as well as a wide range of housekeeping and diagnostic functions. The Macintosh may itself be driven from certain lighting desks.

Power Requirements

240 V	Lamps:	220-240 Volts, 10 Amps, dimmable	**120 V**	Lamps:	110-120 Volts, 20 Amps, dimmable
	Control:	220-240 Volts, 1 Amp, NON DIM		Control:	110-120 Volts, 1 Amp, NON DIM
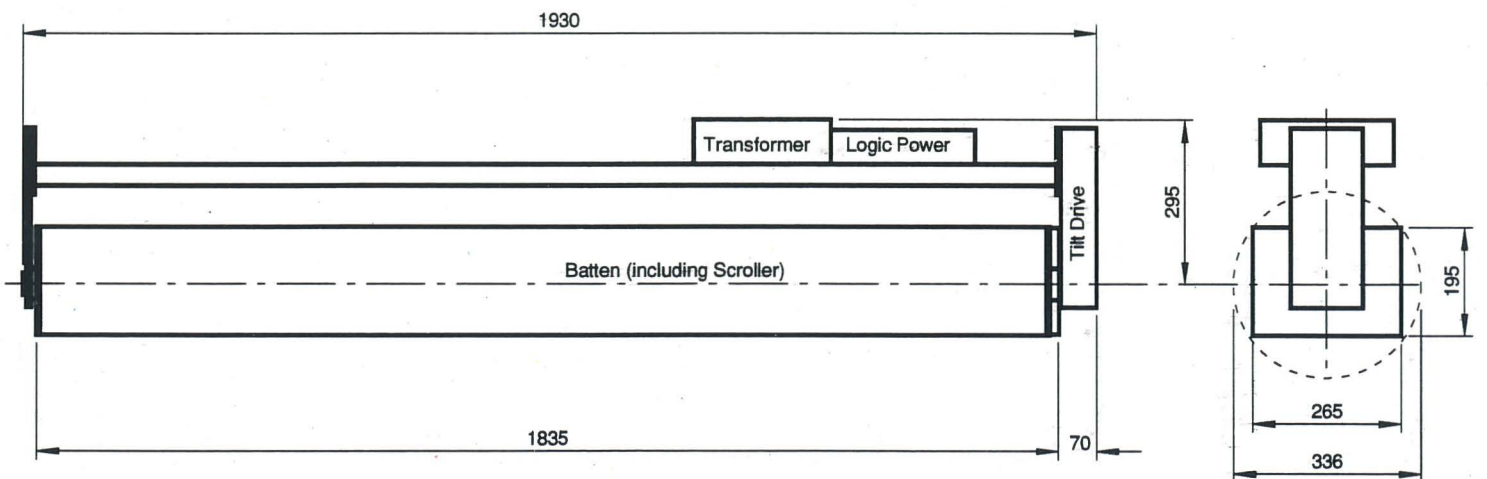
Weight 30 kg (115 Volt), 36kg (230 Volt)