

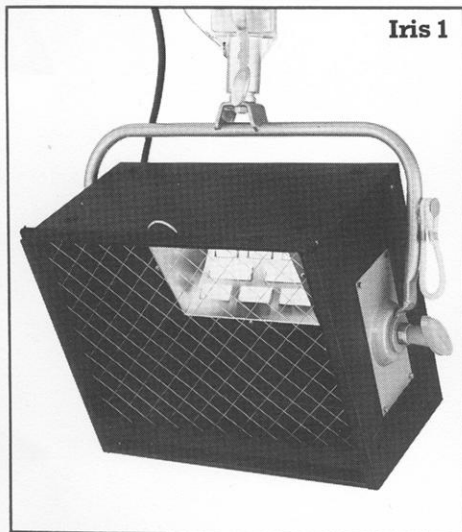
THE IRIS CYCLORAMA TOP LIGHT SYSTEM

The Iris Top Light System is a major step forward in the lighting of studio and theatre cycloramas. One of the traditional problems of lighting is to obtain an evenly illuminated cyclorama and this usually involves the use of units at floor level and at the top of the cyclorama. This problem has been solved by the Iris with its unique multi-curve reflector, which enables even illumination to be achieved from top lights only.

The compact construction of the Iris coupled with an optical design which enables the units to be widely spaced has the advantage of allowing them to be permanently rigged with considerable saving in setting-up time.

The reflector is computed to obtain maximum efficiency from a 1250W lamp, so that wide spacing of the units is possible to avoid obstructing studio space that may be required for back-lighting the main set. The units are normally mounted with the base level with the top of the cyclorama and at a spacing of 2.5m centre to centre. The distance back being regulated by the height of cyclorama to be covered. For a cyclorama 7m high, the units would be approximately 3.0m back.

All models of the Iris are supplied with colour frames, wire guards and safety bonds on all accessories.



Iris 1

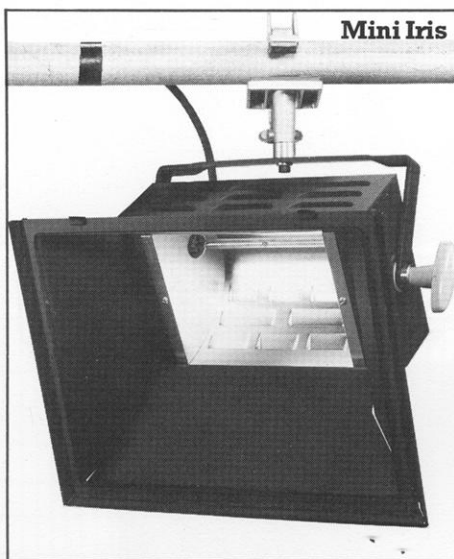
Iris 1

Model 3372 Manually Operated
Model 3373 Pole Operated

The Iris 1 is a single compartment unit, available for pole or manual operation, and is intended for situations where colour mixing is not required or for small studios where there is not sufficient space for larger units.

The Iris 1 uses the same 190mm lamps as the other models, but as it is normally used to illuminate low height cycloramas, where the units are placed closer to the cyclorama a 625W lamp is adequate. Using 625W lamps, eight units can be connected to a single 5Kw dimmer.

5m of power cable is supplied as standard.



Mini Iris

Mini Iris

Model 3360

This unit is designed for TV presentation suites, ENG locations, audio visual and still studios. Extremely compact but using the same reflector system developed for all the Iris range this unit is ideal for backcloths and concealed backlighting.

Supplied with manual stirrup only and 3.5m power cable.

An outrigger colour filter holder, Model 3461 is available.

Iris 2 Vertical

Model 3374 for Multicore Power Systems

Model 3575 for Individual Power Cables

The Iris 2 vertical is designed to operate in conjunction with Iris 4 units for overcoming the problem when lighting corners.

Iris 3 Horizontal

Model 3368 for Multicore Power Systems

Model 3568 for Individual Power Cables

The Iris 3 unit is for studios with height restrictions and enables three colour mixing.

Specification

Finish

Black, heat resisting.

Construction

Sheet steel.

Spigot

28.57mm male or according to DIN 15560 or other requirements as specified.

Cable

7 metres 1.5mm² per compartment for all units except 3372 and 3373, which have 5 metres supplied.

Reflector

Anodised aluminium.

Lampholder

For R7S cap lamps.

Colour frame (Model 3376)

Individual book form type to fit all models except Mini Iris. Weight: 0.435kg.

Outrig Colour Frame (Model 3461)

For Mini Iris only.

Wire Guard (Model 3377)

Filter size
404mm by 310mm.

Pole Operated Stirrup

Standard units supplied with tilt only facility - Pan and Tilt stirrup can be supplied if specified.

Safety Bond

Fitted to all units for colour frame and wire guard.

Cable Diagram

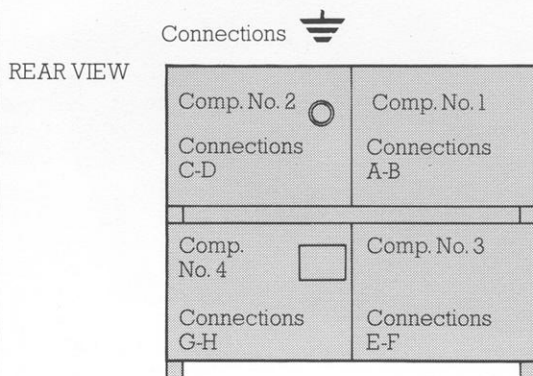
Supply cable for Iris 4 (3365) and Iris 2 (3375) units.

Note: Models 3565, 3575, 3568 and 3574 have individual 3 core cables to each compartment.

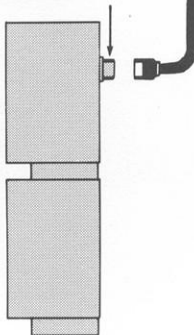
Cables - 9 cores 1.5 sq mm
Length: 7.50m



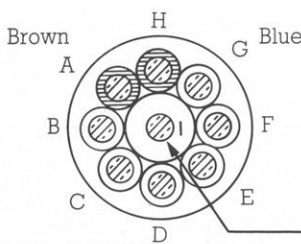
Plug type
MS 3106A-20-18



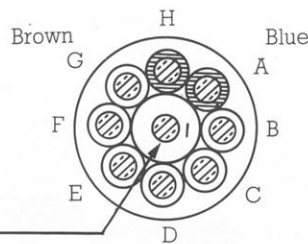
Connector type
MS 3102A-20-18P



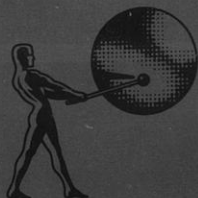
Colour code for 9-core cables



Anti-clockwise rotation



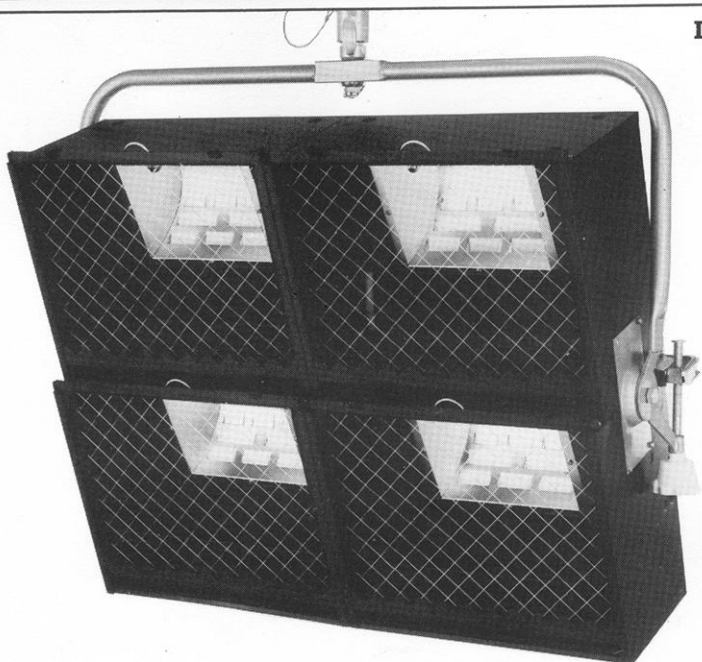
Clockwise rotation



STRAND

STUDIO DIVISION

Iris 4



Iris 4

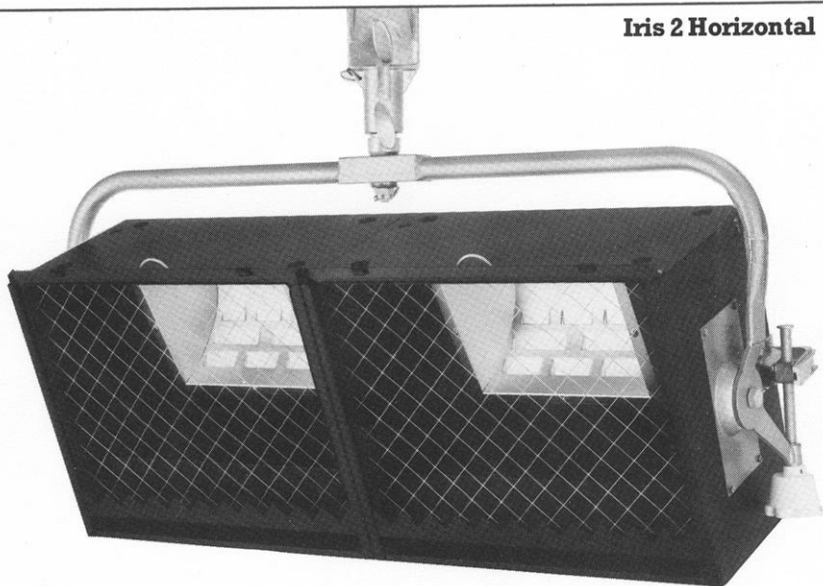
Model 3365 for Multicore Power Systems
Model 3565 for Individual Power Cables

A four compartment unit which permits full colour mixing in television studios and theatres, using the red, green and blue additive mixing system; the fourth compartment is used without a filter for white light. Normally 1250W lamps are fitted, allowing one compartment from

four adjacent units to be grouped according to colour, back to a 5kW dimmer.

The Iris 4 is supplied with four individual power cables. An alternative multicore power cable distribution system for the Iris 4 is available shown in detail overleaf.

Iris 2 Horizontal



Iris 2 Horizontal

Model 3375 for Multicore Power Systems
Model 3575 for Individual Power Cables

A two compartment horizontal unit for studios with a height restriction or where limited colour mixing is required. The unit is normally supplied with individual 7m power cables to each compartment and tilt pole operated stirrup which offers

minimum obstruction in low height studios. If the facility of coupling two Iris 2 units together to form an Iris 4 is required the Iris 4 stirrup must be specified. An alternative multicore power cable distribution system is available.

THE IRIS CYCLORAMA TOP LIGHT SYSTEM

Performance

Measurement of the incident light (cell facing outwards towards the units), in a darkened room.

Test procedure

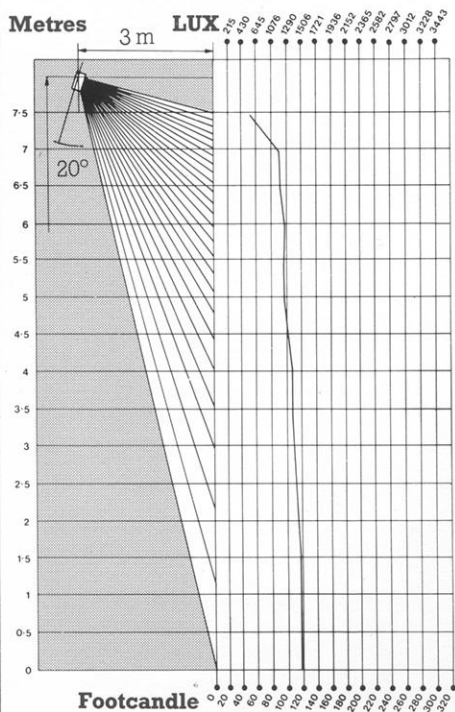
Lamp type: G.E.C. P2/12 1250W

Light level obtained by switching one lamp only per each unit.

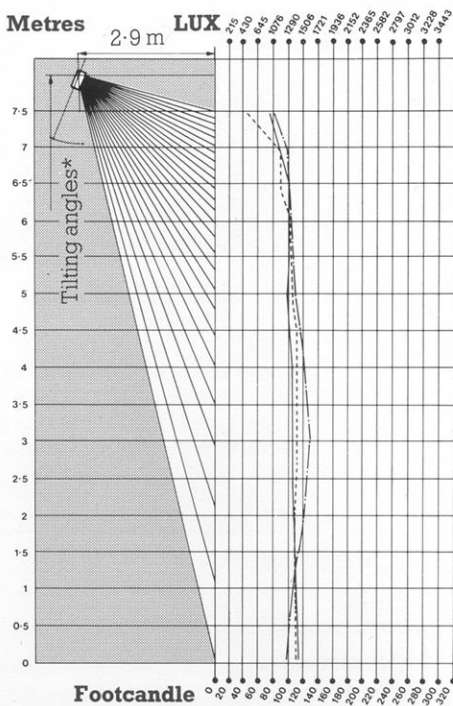
Units are complete with wire guards.

Note:

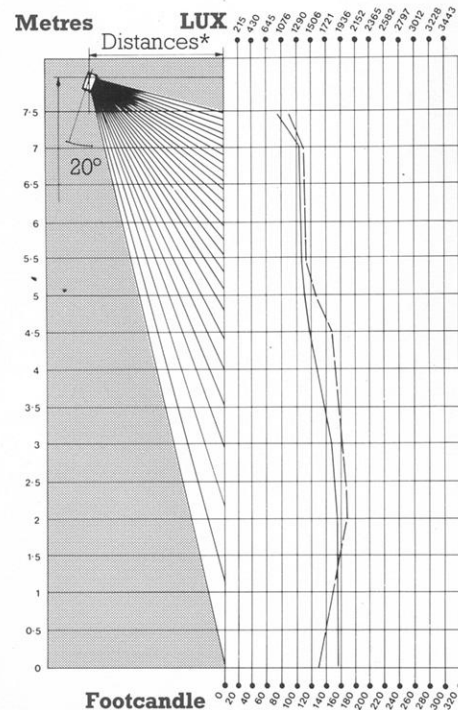
The light output of one unit cannot be measured in isolation as the total distribution is produced by the overlap of adjacent units.



Iris curve A.
Lateral spacing between two units
(centre to centre) 2.5m



Iris curve B. Effect of tilting
Lateral spacing between two units
(centre to centre) 2.5m
Tilting angles* — = 25°
— — = 20°
— — — = 15°



Iris curve C. Effect of varying distances
Lateral spacing between two units
(centre to centre) 2.5m
Distances* — = 3m
— — — = 2.90m

Linear tungsten-halogen double ended Quartz envelope lamps, suitable for 'Iris' cyclorama lights, with RSC (R7S) base. Length 190mm.

| Make | Type | Watts | Volts | °K | Life | Lumens | Notes |
|-------------|---------------|-------|---------|------|------|--------|---------|
| Rank | P2/10 | 625 | 220/240 | 3200 | 200 | 15,500 | Frosted |
| Quartzcolor | P2/7 | 1000 | 220/240 | 3200 | 200 | 26,000 | Clear |
| Japan | P2/12 | 1250 | 220/240 | 3200 | 200 | 32,500 | Clear |
| Thorn | P2/10 | 625 | 220/240 | 3200 | 200 | 15,500 | Frosted |
| UK | P2/7 | 1000 | 220/240 | 3200 | 200 | 26,000 | Clear |
| | P2/12 | 1250 | 220/240 | 3200 | 200 | 32,500 | Clear |
| G.E.C. | P2/10 | 625 | 220/240 | 3200 | 200 | 15,000 | |
| UK | P2/7 | 1000 | 220/240 | 3200 | 200 | 26,000 | Clear |
| | P2/12 | 1250 | 220/240 | 3200 | 200 | 33,500 | Clear |
| Philips | 13989R(P2/7) | 1000 | 240-250 | 3200 | 200 | 25,000 | Clear |
| Holland | 7775R | 625 | 220-250 | 3200 | 200 | 15,500 | Frosted |
| | 63585R(P2/12) | 1250 | 240-250 | 3200 | 200 | 33,500 | Clear |
| Osram | 64771 | 1000 | 220-230 | 3200 | 200 | 25,000 | Clear |
| W. Germany | 64740 | 1000 | 240-250 | 3000 | 2000 | 22,000 | Clear |
| | 64751 | 1250 | 220-230 | 3200 | 200 | 33,500 | Clear |

QuartzColor ianiro **SPA**
products are manufactured in Italy.

The Company reserves the right to make any variation in design or construction to the equipment described.



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Dimensions

