

# THE STRAND CATALOGUE

1998/99



Theatre & Studio  
Controls

Theatre & Studio  
Dimmers

Architectural Controls  
& Dimmers

Architectural  
Luminaires

Theatre Luminaires

Studio Luminaires  
& Suspension

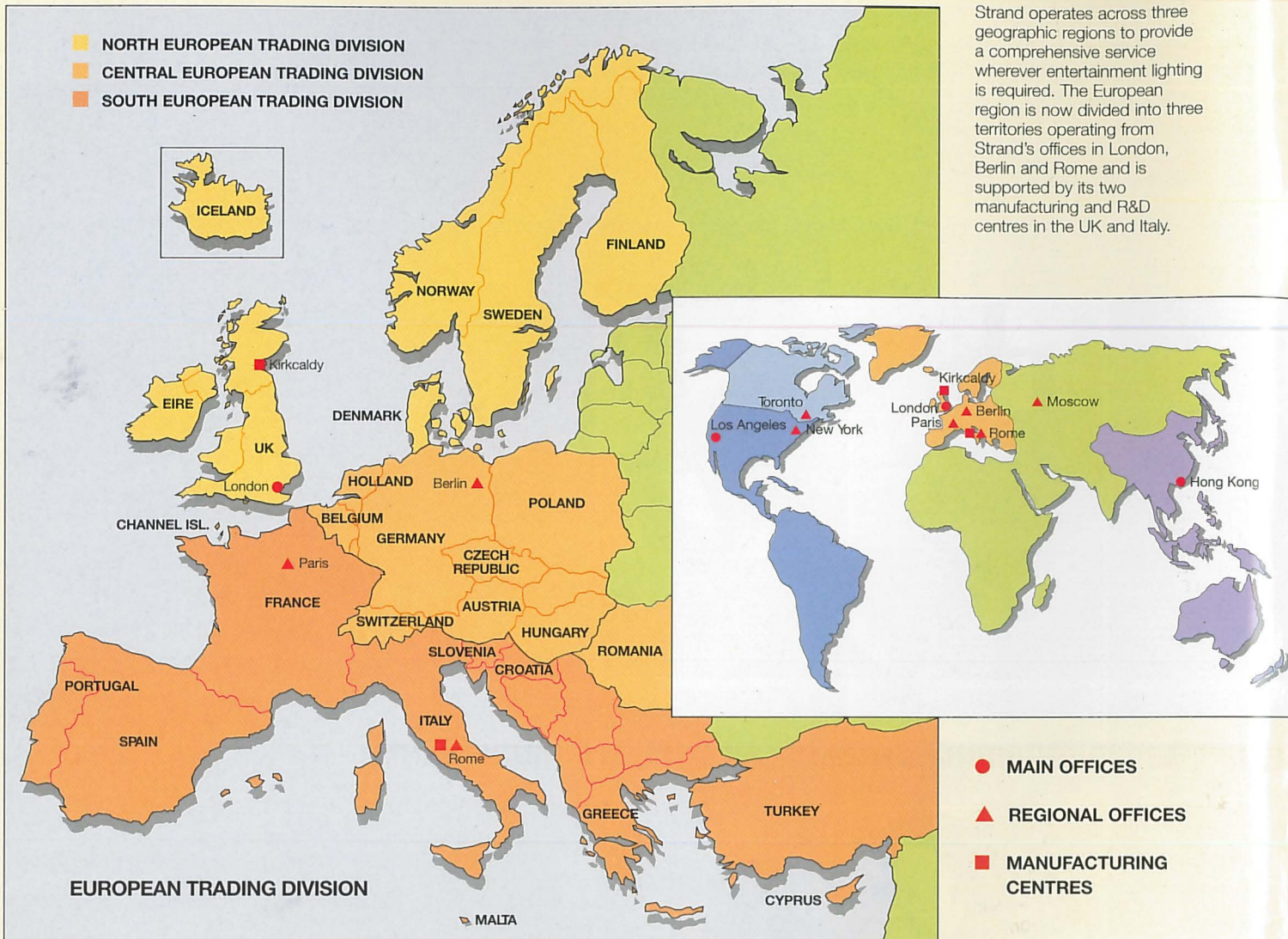
Location Luminaires

Theatre & Studio  
Stands



**Strand**  
LIGHTING

# STRAND LIGHTING OFFICES



Strand operates across three geographic regions to provide a comprehensive service wherever entertainment lighting is required. The European region is now divided into three territories operating from Strand's offices in London, Berlin and Rome and is supported by its two manufacturing and R&D centres in the UK and Italy.

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## 500 SERIES CONSOLES

520/520i/530i/550i

- \* Mid to high capability lighting control consoles with flexibility of user selectable channel capacity, operating style and application programs
- \* Three sizes of console in standard or high performance version with extended channel capacity
- \* Choice of either GeniusPro™ preset style operation or Lightpalette™ command line/tracking style operation
- \* Operating software controls a maximum of:
  - 1500 intensity channels plus 500 scroller or moving light attributes 520
  - 6000 intensity channels plus 2000 scroller or moving light attributes 520i, 530i, 550i
- \* Console capability can be expanded through a range of application software packages including fully integrated moving light control with Tracker™ and powerful Ethernet networking capability with Networker™
- \* Dedicated tracker ball and rotary controls for automated light attributes when loaded with Tracker™ software
- \* 2048 DMX outputs can be increased to 8196 with optional ShowNet application software and SN100/102/104 nodes
- \* Two VGA colour monitor outputs as standard but can be upgraded to four
- \* **Consult Strand or your local Strand distributor for details of bundled packages of 500 Series Console, Operating Software and Application Software. These convenient packages are easy to order but all retain unique flexibility for adding operating channel capacity and extra functionality as the user's needs grow**

500 Series consoles bring a unique and powerful flexibility to lighting control. They can be specified at a base level of channel capacity and functionality but are readily extendible with incremental channel capacity upgrades, optional application software and a range of peripherals. Each console can therefore be tailored to the user's requirements today but can grow to meet their expanding system requirements.

Choose from three sizes of console:

550i - the largest in the range with 54 submasters;

530i - with 30 submasters;

520i - the portable model with 24 submasters but including most of the 530/550 features.

The 500i Series consoles will all support a maximum of 6000 intensity channels and 2000 scroller or moving light attributes. Specify the channel capacity that suits you today from a basic 250 channels plus 250 attributes but with the re-assurance that you can easily upgrade to the maximum in the future.

All 500i Series consoles are powered by Intel Pentium II processors. Choose from two operating styles: GeniusPro preset style of operation or the Lightpalette command line style.

For a simple approach to ordering a 500 Series console, take advantage of one of the bundled systems of console, operating software and application software on offer. Whatever your choice, you can be assured of future expandability.

### 520 & 520i

The new portable extension to the 500 Series console range features 24 Submasters which can be configured as Supermasters, 2 automatic/manual playback fader pairs, 2 graphics LCD displays and outputs for up to 2 monitors upgradable to 4.

### 530i

The console features 30 Submasters which can be configured as Supermasters, 2 Grandmasters, 2 Multi-function wheels, 3 graphics LCD displays and outputs for up to 2 monitors which can be extended to 4.

### 550i

The largest in the range of 500 Series consoles features 54 Submasters which can be configured as Supermasters, 2 Grandmasters, 2 Multi-function wheels, 3 graphics LCD displays and outputs for up to 2 monitors which can be extended to 4.

Each console is provided with a generous range of interface connections including: 4 DMX ports; 2 VGA monitor outputs; Ethernet port; Parallel printer, Serial remote and hand-held remote ports; MIDI In / Thru / Out; Analogue inputs for contact closure or remote faders; SMPTE Time Code for show automation; Internal Hard Drive for multiple show archive; Floppy disk drive for show storage and software updates.

**Supplied with:**

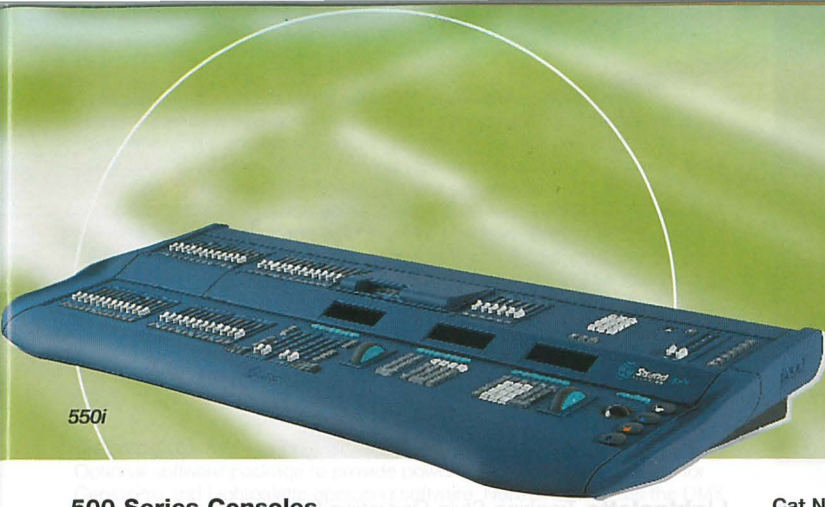
500 Series consoles require operating software and a monitor as a minimum working system. Consult Strand or your local Strand distributor for details of bundled packages.

**Optional Accessories:**

Network Nodes, Monitors, Keyboards, Printers, Hand Held Controls, Touring Cases and Dust Covers.

|      | V               | ■                      | ▶    | ⚙  | ⌚    | ➡                                | ■                | ⚖    | 📦    | Ⓢ          | CE    |   |
|------|-----------------|------------------------|------|----|------|----------------------------------|------------------|------|------|------------|-------|---|
| 520  | 90-260V 50/60Hz | 1500 ch.+ 500 att max  | 2048 | 24 | 2000 | DX, D, D IN, AX, M, MS, E R4, R2 | 780 x 525 x 150  | 25.0 | 25.0 | 780 x 560  | 0.227 | ✓ |
| 520i | 90-260V 50/60Hz | 2000 ch.+ 2000 att max | 2048 | 24 | 2000 | DX, D, D IN, AX, M, MS, E R4, R2 | 780 x 525 x 150  | 25.0 | 25.0 | 780 x 560  | 0.227 | ✓ |
| 530i | 90-260V 50/60Hz | 2000 ch.+ 2000 att max | 2048 | 30 | 2000 | DX, D, D IN, AX, M, MS, E R4, R2 | 1220 x 620 x 150 | 45.0 | 44.0 | 1220 x 610 | 0.304 | ✓ |
| 550i | 90-260V 50/60Hz | 2000 ch.+ 2000 att max | 2048 | 54 | 2000 | DX, D, D IN, AX, M, MS, E R4, R2 | 1485 x 620 x 150 | 55.0 | 55.0 | 1485 x 610 | 0.470 | ✓ |

V Supply voltage ■ Number of channels ▶ Number of dimmers ⚙ Number of submasters or faders ⌚ Typical memory capacity ➡ Control protocol DX = DMX512 D = D54  
 D IN = DMX IN AX = AMX912 M = MIDI MS = MSC E = Ethernet R4 = RS485 R2 = RS232 ■ Overall dimensions of product (mm) ⚖ Weight of product (kg) 📦 Packed weight (kg)  
 ◻ Plan Dimension (Footprint in mm) ◻ Packed volume (cu.metres) CE Indicates certified to conform with all relevant EEC directives



550i

### 500 Series Consoles

| Cat No. | Description                  |
|---------|------------------------------|
| 91510   | 520 Console, 200 Channels    |
| 91511   | 520i Console, 250 Channels*  |
| 91512   | 520i Console, 350 Channels*  |
| 91513   | 530i Console, 350 Channels*  |
| 91514   | 530i Console, 800 Channels*  |
| 91515   | 550i Console, 400 Channels*  |
| 91516   | 550i Console, 800 Channels*  |
| 91517   | 550i Console, 2000 Channels* |
| 91518   | 550i Console, 6000 Channels* |

**Note:** All consoles require a monitor as a minimum. Tracker software requires 2 monitors. A keyboard is required for text entry and custom configurations. Consult Strand or one of its dealers for information on competitively priced bundled systems of 520 console complete with operating software and selected application software. \* Includes Tracker, CommuniquéPro or Networker.

### Peripherals & Accessories

To round off this powerful system of lighting control hardware and software components, a range of peripherals and accessories is available to help the user exploit his investment to the full. This comprises:

- A range of Monitors including Flat Screen Monitors for installations where space is at a premium
- Dual VGA Card to double the maximum number of monitors to four per console
- Radio Remote Controls conforming to UK or European Telecoms standards
- Wired Remote Controls
- Mini keyboards and Designer's Keypads for data input
- Colour or Black & White Printers for hard copy storage
- Gooseneck lamp for dimmable console illumination
- Dustcovers and flightcases.

| Cat No. | Description                                 |
|---------|---|
| 66015   | Dual VGA Card for 500 Series Consoles       |
| 66012   | Monitor 14" VGA - 230V                      |
| 66013   | Monitor 15" SVGA - 120/230V                 |
| 66014   | VGA 10.4" Flat Screen Monitor 100/240V      |
| 66211   | Mini Keyboard - UK                          |
| 66212   | Mini Keyboard - German                      |
| 66214   | Designer's Keypad                           |
| 66041   | Hand Held Remote Wired (also GSX/LBX)       |
| 66129   | Hand Held Remote Wired - R120               |
| 66126   | Hand Held Remote Radio UK (418 MHz 230V)    |
| 66127   | Hand Held Remote Radio EU (433.92 MHz 230V) |
| 66124   | Base Station UK (418 MHz)                   |
| 66123   | Base Station EU (433.92 MHz)                |
| 66219   | Gooseneck Lamp (1) for 500 Series Consoles  |
| 66044   | Dust Cover for 520/520i                     |
| 66034   | Dust Cover for 530/530i                     |
| 66035   | Dust Cover for 550/550i                     |
| 66057   | Flightcase for 520/520i                     |
| 66055   | Flightcase for 530/530i                     |
| 66056   | Flightcase for 550/550i                     |



530i

### 510i Show Controller/Backup Unit

510i is a high capacity show controller or full tracking backup unit for 500 series consoles on Ethernet. It comes in a rugged, 4U high, 19" rack mountable unit and is fully compatible with 500 series console functionality including Tracker™, CommuniquéPro™, Networker™ and Server™

Its simple front panel user interface provides advanced show playback using SMPTE timecode, Midi Show Control, 48 contact closure inputs or "GO" key playback. Shows can be plotted on a 500 Series console, Off Line PC, or directly on the 510i if a keyboard/Designer Keypad and monitor(s) are attached: multiple control events can be run in parallel.

| Cat No. | Description                 |
|---------|-----------------------------|
| 91410   | 510i Console, 250 Channels  |
| 91411   | 510i Console, 350 Channels  |
| 91412   | 510i Console, 800 Channels  |
| 91413   | 510i Console, 2000 Channels |
| 91414   | 510i Console, 6000 Channels |



510i

## GENIUSPRO SOFTWARE

OPERATING SOFTWARE FOR GENIUSPRO CONSOLES

- \* GeniusPro or Lightpalette operating software for standard and high performance versions of GeniusPro 520, 530 & 550 consoles
- \* GeniusPro OS is optimised for presetting style of operation
- \* Lightpalette OS is optimised for tracking style operation
- \* Both operating software packages provide lighting control and special effects for 100 intensity channels and 100 scroller/moving light attributes.
- \* Channel upgrade packs available in 50 or 200 intensity channel blocks to maximum capacity of console
- \* Choice of screen languages: English, German, Swiss German, French, Italian, Dutch, Swedish, Russian
- \* Off Line Editor software available for GeniusPro and Lightpalette operating software
- \* PC Software is available for GeniusPro or Lightpalette operation on a DOS PC

### GeniusPro Preset Style Operating Software

Provides the console operating functionality for the GeniusPro console range in a direct action, pre-setting style of operation. The operating software comes complete with the ability to control 100 intensity channels and 100 colour scroller or moving light attributes. This can be increased by the installation of incremental channel upgrades in 50 or 200 channel blocks up to the maximum capacity of the console. 1500 intensity channels plus 500 attributes on standard consoles and 2000 channels plus 2000 attributes on the high performance versions of the consoles. The software supports single or twin playback operation, single or dual VGA monitor displays, 6 pages of individually programmable submasters, 6 additional Supermasters for custom function mastering and 10 separate effects playbacks and macros.

Off Line Editor Software is available to enable editing of showfiles and PC Software provides all the features of a GeniusPro console. Both operate on a standard PC from DOS or a Windows 95 DOS box.

| Cat No. | Description   |
|---------|---|
| 67321   | GeniusPro Operating Software c/w 100 plus 100 Channels and English Manual Set |
| 67511   | 50 Channel Expansion  |
| 67513   | 200 Channel Expansion   |
| 67411   | Off Line Editor for GeniusPro   |
| 67313   | PC Software for GeniusPro c/w 100 plus 100 Channels                           |
| 67398   | Upgrade to GeniusPro V2.0   |
| 85121   | GeniusPro OS Manual, English  |
| 85122   | GeniusPro OS Manual, German   |
| 85123   | GeniusPro OS Manual, French   |
| 85124   | GeniusPro OS Manual, Italian  |

### Lightpalette Tracking Style Operating Software

Provides the alternative tracking style of operating functionality for the GeniusPro console range. The operating software comes complete with the ability to control 100 intensity channels and 100 colour scroller or moving light attributes. This can be increased by the installation of incremental channel upgrades in 50 or 200 channel blocks up to the maximum capacity of the console. 1500 intensity channels plus 500 attributes on standard consoles and 2000 channels plus 2000 attributes on the high performance versions of the consoles. The software supports single or twin playback operation, single or dual VGA monitor displays, 6 pages of individually programmable submasters, 6 additional Supermasters for custom function mastering and 10 separate effects playbacks and macros.

| Cat No. | Description  |
|---------|--|
| 67341   | Lightpalette Operating Software c/w 100 plus 100 Channels and English Manual Set |
| 67511   | 50 Channel Expansion   |
| 67513   | 200 Channel Expansion  |
| 67431   | Lightpalette Off Line Editor   |
| 67333   | PC Software for Lightpalette c/w 100 plus 100 Channels                           |
| 67399   | Upgrade to V2.0  |
| 85141   | Lightpalette OS Manual   |

## APPLICATION SOFTWARE FOR GENIUSPRO CONSOLES

- \* Optional application software is available to enhance the functionality of all GeniusPro consoles
- \* Functionality can expand to meet the user's growing requirements
- \* Application software packages include:

|                      |   |
|----------------------|---|
| <b>CommuniquéPro</b> | Provides a package of communications facilities to enable automatic show control with MIDI, MIDI Show Control, RS232, DMX In or simple switches and faders. |
| <b>Tracker</b>       | Adds fully integrated moving light control.   |
| <b>Networker</b>     | Provides powerful networking capability over Ethernet wiring in conjunction with the range of ShowNet™ Nodes.   |
| <b>ShowNet</b>       | Windows based software to configure DMX over Ethernet data distribution system.   |
| <b>Server</b>        | Allows PCs running Networker to store show files on the server.   |
| <b>ShowPort</b>      | Converts show information between Strand Show Files, ASCII Light Cues and Comma Delimited Formats.  |

### CommuniquéPro Communications Software

Optional software package to extend the communications capabilities of GeniusPro and Lightpalette operating software. CommuniquéPro will provide automatic show control functions by interfacing between MIDI, MIDI Show Control, RS232/RS485, DMX In, simple switches and faders. Functions include:

- Macros triggered by MIDI, RS232/RS485 or +10v signal inputs
- Remote control ASCII input and output via RS232/RS485
- MIDI and MIDI Show Control (MSC) functions
- Tracking Backup and Console linking via MIDI

| Cat No. | Description                        |
|---------|------------------------------------|
| 67515   | CommuniquéPro Application Software |

### Tracker Automated Light Control Software

Optional software package to extend the moving light control capabilities of GeniusPro and Lightpalette operating software. Tracker provides fully integrated, 16 bit control of all moving light functions from the console also controlling lighting intensity. Moving fixtures are selected with a single channel number to give immediate control of all functions via the wheel, track-ball and rotary controls of GeniusPro consoles. Dedicated displays, cue tracking, dual playbacks and a library of control characteristics for up to 50 moving lights make the combination of Tracker and GeniusPro consoles an intuitive, fast and easy to use method of controlling moving lights.

#### Cat No. Description

67523 Tracker Application Software

### Networker Networking Software

Optional software package to provide powerful networking capabilities for GeniusPro and Lightpalette operating software. Networker enables the DMX dimmer/attribute signals and remote video display signals generated by GeniusPro consoles and their full capability of operating and application software to be distributed over computer industry standard Ethernet data distribution wiring. Using Strand's own ShowNet networking protocol, these signals can be distributed reliably and cost effectively over longer distances. In conjunction with the range of ShowNet networking nodes the signals can be converted back locally to DMX to control relevant DMX devices and to video signals for remote display of video information.

Networker allows multi user and multi consoles or PCs to operate simultaneously for efficiency during plotting and rehearsal and will support full tracking backup between consoles and PCs. In conjunction with the network nodes it will also allow the maximum number of outputs from a GeniusPro console to be increased from 2048 to 4096.

Networker is the key to an extremely powerful system of distributed control of lighting intensity and movement for use in applications of all sizes and operational complexity.

#### Cat No. Description

67527 Networker Application Software

### Shownet DMX Configuration Software for Ethernet

Optional Windows based software package to configure DMX for distribution over Ethernet data distribution systems. Can be used in conjunction with Networker on GeniusPro consoles or independently with Strand's range of ShowNet networking nodes.

#### Cat No. Description

67526 ShowNet Application Software

Note: Available free of charge from Strand's Internet site - [www.strandlight.com](http://www.strandlight.com)

### Server File Server Software

Optional Windows based software providing the ability for multiple GeniusPro consoles or PCs running Networker software to store show files on a server PC. Show file back ups can be automated at the server to remove the need for individual console back ups to floppy disk and they can be easily accessed for off line editing. Security is provided by passwords with access rights definable to individuals or groups.

#### Cat No. Description

67521 Server Application Software

### Showport Show File Conversion Software

Optional software enabling conversion of show information between Strand Show Files from GeniusPro consoles, ASCII Light Cues from other lighting consoles and Comma Delimited formats of common PC/Windows spreadsheet and database programs. ShowPort will convert Cues, Cue Sheets, Groups, Patch, Effects, Effects Lists, Profiles.

ShowPort is available free of charge from Strand's Internet site - [www.strandlight.com](http://www.strandlight.com)



SN100

## NETWORK NODES

### SHOWNET ETHERNET NODES

- \* A range of microprocessor based nodes for interfacing between Strand ShowNet and Ethernet networking systems
- \* ShowNet nodes provide economical and reliable, high speed distribution of lighting control data in conjunction with Networker and ShowNet software
- \* Designed for use with GeniusPro range of consoles and software
- \* Enables powerful networking for multi console control of all DMX equipment
- \* SN100 and SN102 are multi-function nodes handling DMX and Video signals
- \* SN100 is stand alone or wall mounted. SN102 is 19" rack mounted
- \* SN103 and SN104 provide remote DMX and Handheld control over Ethernet
- \* SN103 is 110V/230V powered. SN104 is 48V DC powered

Whether for cost effective distribution of DMX signals in a smaller venue or multi-console, multi-tasking networks in the largest of installations, ShowNet Nodes, in conjunction with the new generation of GeniusPro consoles and software, bring a new dimension to lighting control.

SN100 and SN102 are multi-function nodes providing access at remote locations to DMX and Video signals distributed over Ethernet wiring from a GeniusPro console installed with Networker software. The nodes have connections for two DMX networks and two video links as well as 10BaseT and 10Base2 Ethernet wiring. There are scroll controls for remote VDU displays and a floppy disk drive for loading ShowNet configuration software and for downloading files. SN100 is a stand alone version which can be wall mounted with the mounting kit supplied. SN102 provides the same functionality in a 19" rack mounting format. Both versions incorporate 110V/230V power supplies.

SN103 and SN104 are interfaces for DMX and hand held remote controls only. They can handle up to 4 DMX inputs and are designed for permanent, flush or surface mounted installation with power and Ethernet connections via conduit from the wall mounting back boxes. SN103 is 110V/230V mains powered. SN104 is 48V DC powered.

All ShowNet Nodes can be used in pairs to link DMX devices over Ethernet wiring, overcoming length limitations of DMX wiring.

#### Cat No. Description

|       |   |
|-------|---|
| 65100 | SN100 Network Node for DMX / Video  |
| 65102 | SN102 Network Node, Rack Mount for DMX / Video  |
| 65103 | SN103 Network Node for DMX, 110/230V  |
| 65104 | SN104 Network Node for DMX, 48V DC  |
| 67526 | ShowNet Configuration Software (Comes complete with Networker Application Software when nodes are used with GeniusPro consoles) |



SN102

|       | V               | Channels        | Controls        | W   | P | CE     | i       |
|-------|-----------------|-----------------|-----------------|-----|---|--------|---------|
| SN100 | 90-260V 50/60Hz | 2 x DMX, DMX IN | 350 x 200 x 70  | 3.1 | 4 | 0.0064 | ✓ 6.7.1 |
| SN102 | 90-260V 50/60Hz | 4 x DMX, DMX IN | 485 x 310 x 90  | 3.5 | 6 | 0.0450 | ✓ 6.7.1 |
| SN103 | 90-260V 50/60Hz | 4 x DMX         | 215 x 215 x 120 | 4.2 | 3 | 0.0153 | ✓ 6.7.1 |
| SN104 | 48V DC          | 4 x DMX         | 215 x 215 x 120 | 3.7 | 3 | 0.0153 | ✓ 6.7.1 |

V Supply voltage    Channels Number of channels    Controls protocol  
 W Overall dimensions of product (mm)    P Weight of product (kg)    CE Indicates certified to conform with all relevant EEC directives  
 i Strand data sheet reference number



**GSX 125 Channels with Monitor**

**GSX™ Control Console**

Compact and versatile hardware platform for use with Genius operating software, Kaleidoscope and Communiqué application software. The Operating Software package chosen sets the capacity of the system in increments from 25 channels to a maximum of 125 channels. With two playbacks, 24 submasters, LCD display and integral 3.5" floppy disk drive.

| Cat No. | Description   |
|---------|---|
| 92361   | GSX 25 Channel Genius, Kaleidoscope & Communiqué, EU  |
| 92362   | GSX 25 Channel Genius, Kaleidoscope & Communiqué, UK  |
| 91363   | GSX 50 Channel Genius, Kaleidoscope & Communiqué, EU  |
| 91364   | GSX 50 Channel Genius, Kaleidoscope & Communiqué, UK  |
| 91365   | GSX 75 Channel Genius, Kaleidoscope & Communiqué, EU  |
| 91366   | GSX 75 Channel Genius, Kaleidoscope & Communiqué, UK  |
| 91367   | GSX 125 Channel Genius, Kaleidoscope & Communiqué, EU |
| 91368   | GSX 125 Channel Genius, Kaleidoscope & Communiqué, UK |

**GSX™**

**CONTROL CONSOLE PLATFORM 25, 50, 75, 125 CHANNELS**

- \* Compact and economical memory lighting console with flexibility of upgrade paths in both channel capacity and application software
- \* Designed for smaller scale entertainment lighting and presentations
- \* Integrated 3.5" disk drive and separate VGA colour monitor
- \* Comprehensive control surface including command panel, two independent playbacks, wheel, LCD display and 24 submasters
- \* Strand's Genius operating software provides an intuitive user interface for controlling up to 512 DMX dimmers or scrollers using 25, 50, 75, or 125 channels
- \* Kaleidoscope and Communiqué application software expands Genius functionality (see opposite)

**GSX™ Peripherals & Accessories**

| Cat No. | Description                   |
|---------|-------------------------------|
| 66012   | Monitor, 14", VGA (230/240V)  |
| 66013   | Monitor, 15", SVGA (110/230V) |
| 66041   | Handheld Remote - Wired       |
| 66083   | DMX Control Cable, 2m         |
| 66081   | DMX Control Cable, 10m        |
| 66082   | DMX Control Cable, 25m        |
| 66031   | Vinyl Cover, GSX Console      |
| 66032   | Vinyl Cover, 14" Monitor      |
| 66051   | Touring Case, GSX Console     |
| 66052   | Touring Case, 14" Monitor     |

**Supplied with:**  
 External 230V or 240V power supply. Requires Genius Operating Software with 25, 50, 75 or 125 channels minimum.  
**Consult Strand or your local Strand distributor for details of bundled packages of GSX Console, Operating Software and Application Software.**  
**Optional Accessories:**  
 Monitors, Hand Held Controls, Touring Cases and Vinyl Covers.

**LBX™**

**CONTROL CONSOLE PLATFORM 75, 125 CHANNELS**

- \* Compact memory + manual lighting console with flexibility of upgrade paths in both channel capacity and application software
- \* Rugged console designed for concert lighting, multipurpose venues and touring
- \* Common hardware platform, user configurable as: 96 channel single preset desk, 72 channel single preset with 24 submasters, 48 channel two preset desk, or 36 channel two preset desk with 24 submasters
- \* Integral auto-sensing 120V-240V power supply
- \* Integrated 3.5" disk drive and separate VGA colour monitor
- \* Comprehensive control surface including command panel, two independent playbacks, wheel and LCD display
- \* Strand's Genius operating software provides an intuitive operating system for controlling up to 512 DMX dimmers or scrollers using 75 or 125 channels
- \* Kaleidoscope and Communiqué application software expands Genius functionality (see opposite)



**LBX™ Control Console**

Compact and versatile hardware platform for use with Genius operating software, and Kaleidoscope and Communiqué application software. The Operating Software package chosen sets the capacity of the system from 25 channels to a maximum of 125 channels. LBX has two presets of software configurable manual faders and has two playbacks, LCD display and integral 3.5" floppy disk drive. Future expansion of capacity or functions (through extension software) is designed into the system through the purchase of upgrade packs or additional extension software.

| Cat No. | Description                                       |
|---------|---|
| 91369   | LBX 75 Channel Genius, Kaleidoscope & Communiqué  |
| 91370   | LBX 125 Channel Genius, Kaleidoscope & Communiqué |

**LBX™ Peripherals & Accessories**

| Cat No. | Description                   |
|---------|-------------------------------|
| 66012   | Monitor, 14", VGA (230/240V)  |
| 66013   | Monitor, 15", SVGA (110/230V) |
| 66041   | Handheld Remote - Wired       |
| 66083   | DMX Control Cable, 2m         |
| 66081   | DMX Control Cable, 10m        |
| 66082   | DMX Control Cable, 25m        |
| 66033   | Vinyl Cover, LBX Console      |
| 66032   | Vinyl Cover, 14" Monitor      |
| 66053   | Touring Case, LBX Console     |
| 66052   | Touring Case, 14" Monitor     |

**LBX 125 Channels with Monitor**

**Supplied with:**  
 Integral 120/240V power supply.  
**Consult Strand or your local Strand distributor for details of bundled packages of LBX Console, Operating Software and Application Software.**  
**Optional Accessories:**  
 Monitors, Hand Held Controls, Touring Cases and Vinyl Covers.

|            | V                      | E      | P   | S  | C   | M                              | P               | D   | CE        | i |       |
|------------|------------------------|--------|-----|----|-----|--------------------------------|-----------------|-----|-----------|---|-------|
| <b>GSX</b> | 22VDC                  | 25-125 | 512 | 24 | 200 | DMX512, D54, AMX192, MIDI, MSC | 751 x 285 x 65  | 5.5 | 751 x 380 | ✓ | 6.5.2 |
| <b>LBX</b> | 120-240V (autosensing) | 25-125 | 512 | 24 | 200 | DMX512, D54, AMX192, MIDI, MSC | 845 x 545 x 135 | 5.5 | 751 x 380 | ✓ | 6.5.3 |

V Supply voltage E Number of channels P Number of dimmers S Number of submasters or faders C Typical memory capacity M Control protocol D Overall dimensions of product (mm)  
 i Weight of product (kg) P Plan Dimension (Footprint in mm) CE Indicates certified to conform with all relevant EEC directives i Strand data sheet reference number





## SOFTWARE FOR GSX & LBX CONSOLES

- \* Operating and Application software packages for either GSX and LBX consoles
- \* Genius operating software provides an intuitive user interface for controlling up to 512 DMX dimmers or scrollers using 25, 50, 75, 100, or 125 channels
- \* Upgradable at any time to expand channel capacity in 25 channel blocks
- \* Kaleidoscope optional application software expands Genius to include advanced effects and intelligent colour scroller control
- \* Communiqué optional application software expands Genius to include industry standard communications protocols such as MIDI Show Control, MIDI Backup, DMX input, RS232 ASCII remote control, remote submasters and macros
- \* Genius off-line editor is a full specification program for a PC to create and edit lighting memories for use on GSX or LBX consoles
- \* Software supports English, German, Italian, French, Spanish, Swedish languages
- \* Manuals supplied in English, French, German and Spanish

### Genius™ Operating Software

Foundation operating software to provide the primary functionality of GSX or LBX consoles. Available in 25, 50, 75, 100, 125 channel sizes to control up to 512 dimmers or scrollers. Operations manual and software supplied with a choice of European languages.

Features include:

Dimmer output DMX 512, AMX 192 or D54; 2 soft (programmable) dimmer patches; 200 Cues in memory with cue numbers 0.1 to 999.9 available; On-line prompts and help screen; Real time date and clock on screen; Intensity channel control facilities; Recording & updating of cues and submasters; Manual playback, plus automatic playback facility for up to six simultaneous fades with separate fade and delay times; Playbacks can perform separate sequences of cues; 5 pages of 24 submasters; Chase effect with 3 effects memories; 10 user programmable macros; Show storage & retrieval using 3.5" disk; Support for full-function Designer's Remote; Monitor displays including 'help' screen; Support for popular printers: HP, Epson & IBM.

i 6.6.1

| Cat No. | Description                                    |
|---------|--|
| 67011   | Genius Operating Software, 25 Channels         |
| 67021   | Genius Operating Software, 50 Channels         |
| 67031   | Genius Operating Software, 75 Channels         |
| 67041   | Genius Operating Software, 100 Channels        |
| 67051   | Genius Operating Software, 125 Channels        |
| 67001   | Genius Operating Software Upgrade, 25 Channels |

### Kaleidoscope™ Application Software

Optional application software package to extend the Genius functionality with more special effects and the advanced use of colour scrollers. Features include: Build, Cycle, Flicker and Random effect types in addition to Chase (which is available with Genius). 30 effects memories. Auxiliary control of effects from audio or MIDI input. Step time & effect fade in time override with wheel. Audio/MIDI sensitivity control with wheel. Macros triggered by audio input. Submaster used as audio input master. '@ Colour' facility to select scroller colour frames directly. Colour channels with frame numbers on screen. Combined illumination and colour instructions from the channel control. Intelligent Colour Control software manages potential conflicts between submasters, playbacks, channel control and Grand Master to avoid unwanted scroll resets.

i 6.6.1

| Cat No. | Description                       |
|---------|-----------------------------------|
| 67061   | Kaleidoscope Application Software |

### Communiqué™ Application Software

Optional application software package to extend the Genius functionality to include communications protocols to operate with other DMX consoles, remote controls, and central 'event' controllers.

Features include:

Up to 12 external submasters or macro switches. Master control for DMX IN. Macro triggered by sub-masters, configurable MIDI input, or configurable RS232 ASCII serial input. Interface for DMX IN (channel or dimmer modes) from a remote DMX controller. RS232 for remote PC control. 12 remote +10V analogue inputs for submasters or macros. MIDI Show Control, MIDI In / Thru / Out, MIDI for tracking backup with another GSX console, plus configurable MIDI "GO" command.

i 6.6.1

| Cat No. | Description                     |
|---------|---------------------------------|
| 67071   | Communiqué Application Software |

### Genius™ Off-Line Editor Software

A complete version of GSX/LBX operating software comprising Genius (125 channels), Communiqué and Kaleidoscope compiled for a 486 or faster PC, operating under MS-DOS. The Off-Line Editor provides facilities to read and edit show disks created on a GSX or LBX console, and also create lighting states and cues for transfer by disk to the console. The PC's screen display is identical to a fully-equipped GSX or LBX display and the user interface mimics the console controls through designated keys on the PC's keyboard. The Off-Line Editor is supplied with a security key, Genius manual in English, French, German and Spanish and keyboard legend. A demonstration version of the Off-Line Editor is also available, with all functions enabled except saving to disk, and is supplied with a keyboard legend.

i 6.6.1

| Cat No. | Description                     |
|---------|---------------------------------|
| 67121   | Genius Off-Line Editor Software |



MX 24 Control Desk with Terminal Display

Supplied with:  
Console plus UK or European Power Supply. Requires control cables to be ordered separately and optional Monitor.

**MX™**  
12, 24, 48 CHANNELS

- \* 2-scene preset manual console with memory
- \* Ideal for smaller venues which require basic memory capabilities and special effects
- \* 12, 24 or 48 channels, maximum 512 dimmers
- \* LCD menu and data screen with choice of English, French or German language
- \* Optional video terminal display
- \* Manual, timed and recorded timed crossfades
- \* Individual flash button per channel with master
- \* 4 'pages' of memories
- \* 24 programmable effects
- \* Two proportional channel/dimmer patches
- \* Software selectable multiplex dimmer protocols: DMX, AMX, D54, SMX
- \* MIDI interface for automated effects and system expansion
- \* Optional memory storage card

**MX 12 / MX 24 / MX 48**

Portable memory consoles with 2 presets of manual faders (which can be used as scene masters), manual and timed playback controls and programmable effects. MX 12 has 48 memories (4 pages of 12), MX 24 has 96 (4 pages of 24) and MX 48 has 192 memories (4 pages of 48).

| Cat No. | Description                      |
|---------|----------------------------------|
| 64112   | MX 12, 12 Channel Console UK PSU |
| 64212   | MX 12, 12 Channel Console EC PSU |
| 64124   | MX 24, 24 Channel Console UK PSU |
| 64224   | MX 24, 24 Channel Console EC PSU |
| 64148   | MX 48, 48 Channel Console UK PSU |
| 64248   | MX 48, 48 Channel Console EC PSU |

**MX Accessories**

| Cat No. | Description            |
|---------|------------------------|
| 66112   | Terminal Display, 14"  |
| 66113   | Terminal Cable         |
| 66114   | Memory Card, 64kB      |
| 66083   | DMX Control Cable, 2m  |
| 66081   | DMX Control Cable, 10m |
| 66082   | DMX Control Cable, 25m |

**MULTIMUX 48**

- \* Interfaces between analogue dimmers and DMX 512 or D54 multiplexed control consoles
- \* Each unit will control up to 48 dimmers
- \* Can be set for + or -10V output to dimmers
- \* Can be free standing or rack mounting
- \* 230V operation but can be set for 115V

**Multimux 48**

Multimux 48 converts DMX 512 digital or D54 analogue multiplexed signals from lighting control desks to ± 0 to 10V signals required by analogue dimmers. It is suitable for stand alone or 19" rack mounting and is supplied with a CEE22 power input lead.

| Cat No. | Description |
|---------|-------------|
| 65010   | Multimux 48 |



|                    | V                | E  | D   | S    | C   | P                              | D               | L   | P    | CE        | i                  |         |
|--------------------|------------------|----|-----|------|-----|--------------------------------|-----------------|-----|------|-----------|--------------------|---------|
| <b>MX 12</b>       | 15VDC            | 12 | 512 | 2-12 | 48  | DMX512, AMX192, D54, SMX, MIDI | 651 x 285 x 65  | 4.3 | 6.1  | 651 x 350 | 0.025 (0.88 cu.ft) | ✓ 6.5.1 |
| <b>MX 24</b>       | 15VDC            | 24 | 512 | 2-24 | 96  | DMX512, AMX192, D54, SMX, MIDI | 912 x 285 x 65  | 5.7 | 8.3  | 912 x 350 | 0.051 (1.8 cu.ft)  | ✓ 6.5.1 |
| <b>MX 48</b>       | 15VDC            | 48 | 512 | 2-48 | 192 | DMX512, AMX192, D54, SMX, MIDI | 822 x 545 x 137 | 8.9 | 12.7 | 822 x 600 | 0.080 (2.8 cu.ft)  | ✓ 6.5.1 |
| <b>Multimux 48</b> | 115/230V 50/60Hz | 48 | 48  | 1-48 | n/a | DMX512 or D54, 0 to ±10V       | 484 x 265 x 45  | 4.0 | 5.0  | 484 x 265 | 0.200 (0.69 cu.ft) | ✓       |

V Supply voltage E Number of channels D Number of dimmers S Number of submasters or faders C Typical memory capacity P Control protocol D Overall dimensions of product (mm)  
L Weight of product (kg) P Packed weight (kg) L Plan Dimension (Footprint in mm) P Packed volume (cu.metres) CE Indicates certified to conform with all relevant EEC directives  
i Strand data sheet reference number



LX 12 & 24 Channel Control Desk

**LX™**  
12, 18, 24 CHANNELS

- \* 2-scene preset manual analogue control console with "slider per dimmer" operation
- \* Basic lighting control for small venues, drama studios, schools, clubs, video studios and for optional remote submasters with memory consoles
- \* 12, 18 and 24 channel versions
- \* Output LED mimic
- \* Split dipless manual or timed crossfades
- \* Individual flash button per channel
- \* Flash level master
- \* Blackout switch & status indicator
- \* Requires external power supply unless connected to two or more Act Dimmer Packs

**Supplied with:**

Basic console. Requires UK or European Power Supply and control cables to be ordered separately.

**LX 12 / LX 18 / LX 24**

2 preset manual control desks with either +10V output on a Miniature D socket or -10V output on DIN 8 socket. Desks are powered by external PSU. -10V version can be powered from two Act 6+ or Act 3+ Analogue Dimmer Packs.

**Cat No. Description**

|       |                                |
|-------|--------------------------------|
| 61212 | LX 12 Manual Desk, +10V Output |
| 61112 | LX 12 Manual Desk, -10V Output |
| 61118 | LX 18 Manual Desk, -10V Output |
| 61224 | LX 24 Manual Desk, +10V Output |
| 61124 | LX 24 Manual Desk, -10V Output |

**Cat No. Description**

|       |                                    |
|-------|------------------------------------|
| 66090 | DIN8 2m Control Cable              |
| 66091 | DIN8 5m Control Cable              |
| 66092 | DIN8 25m Control Cable             |
| 66093 | Min-D15 5m Cable to Open-ends      |
| 66102 | Power Supply, 13A UK Plugtop       |
| 66103 | Power Supply, Schuko Style Plugtop |



|       | V     | E  | P  | F      | C | CP                | D              | L   | W   | H         | V                  | CE | i     |
|-------|-------|----|----|--------|---|-------------------|----------------|-----|-----|-----------|--------------------|----|-------|
| LX 12 | 15VDC | 12 | 12 | 2 x 12 | - | 0 to +10V or -10V | 452 x 285 x 65 | 2.0 | 2.4 | 452 x 350 | 0.025 (0.88 cu.ft) | ✓  | 6.4.1 |
| LX 18 | 15VDC | 18 | 18 | 2 x 18 | - | 0 to -10V         | 600 x 285 x 65 | 3.0 | 4.0 | 600 x 350 | 0.025 (0.88 cu.ft) | ✓  | 6.4.1 |
| LX 24 | 15VDC | 24 | 24 | 2 x 24 | - | 0 to +10V or -10V | 714 x 285 x 65 | 4.0 | 5.0 | 714 x 350 | 0.025 (0.88 cu.ft) | ✓  | 6.4.1 |

V Supply voltage E Number of channels P Number of dimmers F Number of submasters or faders C Typical memory capacity CP Control protocol D Overall dimensions of product (mm)  
 W Weight of product (kg) L Packed weight (kg) H Plan Dimension (Footprint in mm) V Packed volume (cu.metres) CE Indicates certified to conform with all relevant EEC directives  
 i Strand data sheet reference number



## EC90 Supervisor™

DIGITAL DIMMERS WITH REPORTER™ OPTION

- \* Advanced specification Digital Dimming system
- \* Smooth 16 bit digital fade processing
- \* Modular plug-in design for complete flexibility
- \* Modules available in three power ratings each with optional status feedback specification
- \* Standard modules allow comprehensive set up and control features
- \* Reporting modules allow Load Cable Compensation and advanced control and monitoring of status and load/fault logging information on the Windows 95 environment of a remote PC running 'Reporter PC' software
- \* Contactor module options for switching of non-dim equipment
- \* Precision line voltage regulation for stable output with fluctuating supply voltage
- \* Library of 6 fixed and 5 downloadable dimmer curves per dimmer
- \* Two opto isolated DMX inputs per rack with individual patches
- \* Up to 32 analogue +/-10V inputs per rack patchable to any dimmer
- \* 99 SWC memories for additional preset and backup use
- \* Direct circuit and preset control from SWC programmer with special rig check function
- \* 16 room or zone controls each with 8 presets using Outlook stations for auditorium, front of house and other zone lighting control
- \* Optional dual tracking processor electronics
- \* Optional high rise time chokes for acoustically sensitive areas

### EC90 Supervisor

EC90 is a high specification digital dimming system incorporating advanced electronics and features within a flexible modular design to meet the most demanding requirements. Racks can be configured to meet individual customer specification or can be ordered with a range of standard dimmer configurations.

### Racks/Crates

Racks are available in two sizes and will take crates for either six dual 3kW, six single 6kW or three double 10kW modules all of which can be provided with Single Pole or Double Pole protection.

### Dimmer Modules

Crates will accept any of five specifications of dimmer module each available in the standard version or with the advanced Reporting mode as follows:

|                          |   |
|--------------------------|---|
| 3kW Module               | Two 3kW firm fired dimmers with standard filtering  |
| 3kW Hi-Spec Module       | Two 3kW hard fired dimmers with Broadcast quality filtering   |
| 6kW Hi-Spec Module       | Single 6kW hard fired dimmer with Broadcast quality filtering   |
| 10kW Hi-Spec Module      | Single 10kW hard fired dimmer with Broadcast quality filtering  |
| Hybrid Contactor Modules | Dual contactor, dimmer/contactor and contactor/dimmer modules rated at 3kW per dimmer/contactor with hard firing and Broadcast quality filtering on dimmers |

### EC90 Supervisor Functions

EC90 dimmer modules provide the following functionality:

- Dimmer setup functions (library and user programmable curves, max/min outputs, dimmer response times, etc)
- Patch setup for DMX A, DMX B and analogue inputs
- Direct dimmer and preset control

### Optional Reporting Functions

- Load per dimmer
- Load change (10% of rating)
- Loss of load
- Dimmer fault
- Excess DC
- Overheat
- Overload

### EC90 Supervisor Racks

Standard configurations of EC90 racks are available in two sizes with 36 dual 3kW, 18 dual 3kW, 36 single 6kW or 18 single 6kW modules of either standard specification or high specification and with or without Reporting option.

| Cat No. | Description                                   |
|---------|---|
| 74461   | EC90 Supervisor, 72 x 3kW, Reporting          |
| 74462   | EC90 Supervisor, 72 x 3kW                     |
| 74471   | EC90 Supervisor, 72 x 3kW, Hi-Spec, Reporting |
| 74472   | EC90 Supervisor, 72 x 3kW, Hi-Spec            |
| 74463   | EC90 Supervisor, 36 x 3kW, Reporting          |
| 74464   | EC90 Supervisor, 36 x 3kW                     |
| 74473   | EC90 Supervisor, 36 x 3kW, Hi-Spec, Reporting |
| 74474   | EC90 Supervisor, 36 x 3kW, Hi-Spec            |
| 74481   | EC90 Supervisor, 36 x 6kW, Hi-Spec, Reporting |
| 74482   | EC90 Supervisor, 36 x 6kW, Hi-Spec            |
| 74483   | EC90 Supervisor, 18 x 6kW, Hi-Spec, Reporting |
| 74484   | EC90 Supervisor, 18 x 6kW, Hi-Spec            |

Installations may require a mixture of rack sizes and dimmer ratings and specifications. For further information and advice, a full data sheet and specification or for installation notes, please contact your Strand representative. Standard configurations of EC90 racks are listed below:

### Reporter PC Software

This software operates on a Windows 95 based PC (Pentium 75 or better) to provide feedback of current dimmer status information and logging of loads and faults from Supervisor dimmers. Total system parameters are also displayed and command functions allow dimmer rack configurations to be altered or set up remotely from the PC. Dimmer configurations may be stored on or recalled from disk for security.

| Cat No. | Description       |
|---------|-------------------|
| 67517   | Reporter Software |

|                                 | V  | A              | W        | D  | C  | Control  | Dimensions       | Weight | CE        | i |       |
|---------------------------------|--|----------------|----------|----|----|--|------------------|--------|-----------|---|-------|
| <b>EC90 Supervisor 72 x 3kW</b> | 230V/240V phase/neutral star supply, 50/60Hz | 600A (3 phase) | 72 x 3kW | 72 | 99 | DMX512, D54, AMX 192, SMX, SWC, analogue 0-10V (+/-) | 1964 x 910 x 510 | 310.0  | 910 x 510 | ✓ | 7.4.3 |
| <b>EC90 Supervisor 36 x 3kW</b> | 230V/240V phase/neutral star supply, 50/60Hz | 300A           | 36 x 3kW | 36 | 99 | DMX512, D54, AMX 192, SMX, SWC, analogue 0-10V (+/-) | 1162 x 910 x 510 | 185.0  | 910 x 510 | ✓ | 7.4.3 |
| <b>EC90 Supervisor 36 x 6kW</b> | 230V/240V phase/neutral star supply, 50/60Hz | 600A           | 36 x 6kW | 36 | 99 | DMX512, D54, AMX 192, SMX, SWC, analogue 0-10V (+/-) | 1964 x 910 x 510 | 310.0  | 910 x 510 | ✓ | 7.4.3 |
| <b>EC90 Supervisor 18 x 6kW</b> | 230V/240V phase/neutral star supply, 50/60Hz | 300A           | 18 x 6kW | 18 | 99 | DMX512, D54, AMX 192, SMX, SWC, analogue 0-10V (+/-) | 1162 x 910 x 510 | 185.0  | 910 x 510 | ✓ | 7.4.3 |

V Supply voltage A Current rating in amps W Watts (maximum recommended) D Number of dimmers C Typical memory capacity Control Control protocol Dimensions Overall dimensions of product (mm) Weight of product (kg) Plan Dimension (Footprint in mm) CE Indicates certified to conform with all relevant EEC directives i Strand data sheet reference number



LD90 24 x 25kW

## LD90™ DIGITAL DIMMERS

- \* Fully digital, fixed installation dimming system
- \* Choice of dimmer power blocks in standard or customer configured racks
- \* A range of MCB and RCD options available
- \* Compact convection cooled racks are easy to install and service in restricted locations
- \* Programmable features including 99 preset memories, dimmer response times, selection of dimmer laws, non-dim functions, fluorescent dimming mode.
- \* Functions programmable through local control panel or SWC hand held controller
- \* Multiplex or analogue control inputs with second DMX input option
- \* Two analogue control outputs for relays, house light dimmers, etc
- \* Support for DMX 512, AMX 192 or D54 control protocols
- \* Can be used with Outlook architectural control stations (see page 17)

LD90 is available in 5 standard rack configurations or can be tailored to specific requirements from building block components.

### LD90 24 x 2.5kW Racks

| Cat No. | Description                            |
|---------|--|
| 74102   | LD90 24 X 2.5kW, Single Pole MCB       |
| 74104   | LD90 24 X 2.5kW, Single Pole MCB (NDT) |
| 74105   | LD90 24 X 2.5kW, Single Pole MCB (SPN) |

### LD90 12 x 5kW Racks

| Cat No. | Description                    |
|---------|--------------------------------|
| 74102   | LD90 12 X 5kW, Single Pole MCB |
| 74106   | LD90 12 X 5kW, Double Pole MCB |

### LD90 System Building Blocks

| Cat No. | Description                                  |
|---------|--|
| 74101   | LD90 rack with processor but no Power Blocks |
| 72203   | Power Block, 8 x 2.5kW, Single Pole          |
| 72204   | Power Block, 8 x 2.5kW, Single Pole (NDT)    |
| 72206   | Power Block, 8 x 2.5kW, Single Pole (SPN)    |
| 72205   | Power Block, 4 x 5kW, Single Pole            |
| 72207   | Power Block, 4 x 5kW, Double Pole            |
| 72208   | Blank/Custom Block                           |

### LD90 Accessories

| Cat No. | Description   |
|---------|---|
| 76314   | Wall Mounting Bracket   |
| 76309   | Additional Mux Input Kit  |
| 76311   | Analogue Input Connector Set                                    |
| 76310   | RCD Option (1 per Power Block)                                  |
| 76313   | Single Phase Option (1 per Single Phase Rack)                   |
| 76312   | 4 x 16mm <sup>2</sup> Cable Termination Kit (1 per Rack)        |
| 76102   | SWC Hand Held Programmer  |
| 66074   | SWC Remote Socket Box   |
| 62951   | SWC 8 Preset Pushbutton Panel                                   |
| 62952   | SWC 16 Preset Pushbutton Panel                                  |
| 63030   | SWC / Outlook Display Station                                   |
| 66101   | PSU, DIN Rail Mounting (for large SWC or Outlook installations) |
| 66800   | Masonry Backbox 1-Gang (A size)                                 |
| 66802   | Masonry Backbox 2-Gang (B size)                                 |
| 66804   | Masonry Backbox 4-Gang (D size)                                 |

LD90 is a sophisticated but economical, fixed installation digital dimming system in compact, convection cooled cabinets designed for wall or floor mounting. Each rack incorporates a single processor module controlling three power blocks of 8 x 2.5kW or 4 x 5kW dimmers.

2.5kW power blocks can be specified with a choice of MCB/Terminal Block types including: Single Pole MCB; Single Pole MCB (NDT) with Neutral Disconnect Terminal block for circuit checking; Single Pole MCB (SPN) with Neutral Switch MCBs for double pole mains isolation but tripping only on phase overload.

5kW power blocks can be specified with single pole or double pole MCBs. Earth leakage breaker (RCD) option can also be provided on all power blocks. A mixture of power blocks, blank panels or panels for accepting custom equipment or branch breakers can be fitted in each rack.

LD90's advanced processor electronics offers a number of programmable features to match the dimmer's performance to the user's precise requirements.

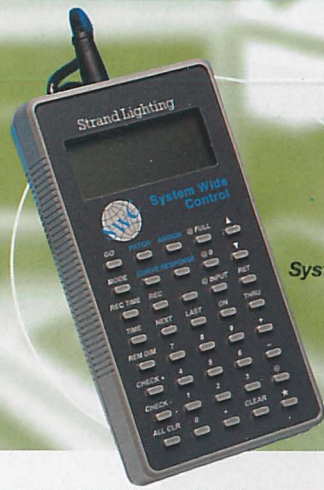
These include:

- Rack start address number individual dimmer patch
- 99 programmable SWC 'back-up' presets
- Maximum and minimum output voltages
- Selection of non-dim operation for dimmers
- Non-dim switch on level
- Fast, medium or slow dimmer response times
- Dimmer Law (Linear, 'S' or square law)
- Fluorescent mode with adjustable top and bottom points
- Selectable 'fast start' mode for electronic fluorescent ballasts
- Compatible with Outlook architectural control stations providing a comprehensive lighting system

Strand also manufactures CD80 SV for 110 -120V operation (American standards). Contact your nearest Strand representative for details.

|                 | V   | A                                     | W          | D  | C  |  |                  |      |       | CE         | i     |        |
|-----------------|---|---------------------------------------|------------|----|----|--|------------------|------|-------|------------|-------|--------|
| LD90 24 x 2.5kW | 230V/240V phase/neutral star supply 50/60Hz | 100A (3 phase) or 300A (single phase) | 24 x 2.5kW | 24 | 99 | DMX512, D54, AMX 192, SMX, SWC, analogue 0 - 10V (+/-) | 1050 x 995 x 150 | 76.0 | 135.0 | 1050 x 150 | 0.330 | ✓ 7.42 |
| LD90 12 x 5kW   | 230V/240V phase/neutral star supply 50/60Hz | 100A (3 phase) or 300A (single phase) | 12 x 5kW   | 12 | 99 | DMX512, D54, AMX 192, SMX, SWC, analogue 0 - 10V (+/-) | 1050 x 995 x 150 | 76.0 | 135.0 | 1050 x 150 | 0.330 | ✓ 7.42 |

V Supply voltage A Current rating in amps W Watts (maximum recommended) D Number of dimmers C Typical memory capacity Control protocol Overall dimensions of product (mm)  
 Weight of product (kg) Packed weight (kg) Plan Dimension (Footprint in mm) Packed volume (cu.metres) CE Indicates certified to conform with all relevant EEC directives  
 i Strand data sheet reference number



System Wide Control

**Notes:**  
1) North American CD80sv and Digital Environ dimmers also include SWC functionality, and can be specified for territories which recognise UL Listing.  
2) See also: Outlook.

**SWC™**  
SYSTEM WIDE CONTROL

- \* Communications link for Strand's digital dimming systems
- \* Incorporated as standard on LD90, EC90sv, Andi DX, DE90 and CD80sv dimmers
- \* Provides 99 programmable 'system wide' presets, stored within dimmer cabinets and independent of main control system
- \* Links together up to 32 dimmer cabinets under common control
- \* Choice of Control Stations for selection and recording of presets
- \* Hand-held unit for "rigging and focusing" independently of a lighting control console

System Wide Control (SWC) is a bonus feature integral to all Strand's digital dimmer racks. SWC operates via an additional communications cable to link all dimmer racks at a site, providing access to the following extra features:

- 99 built-in presets operating across all dimmers in the linked group operating on highest-takes-precedence basis with other control sources.
- Presets may be selected from any rack front panel, or from remote Control Stations. The panels may also be set to allow recording of presets, operating on a "snapshot" principle for fast, easy recording.
- LCD Display Station. Names may be assigned to SWC presets to appear in the display window adjacent to pushbuttons. The Station will scroll through all 99 presets, and a menu system provides the option to adjust levels, fade times etc.
- Hand Held Programmer. Rigger's style unit plugs into remote socket boxes for programming and recall of SWC presets, and for set-up of all dimmer functions.
- AV Interface. Each Interface allows up to 16 SWC presets to be selected from remote contact closures, for integration with AV equipment, a BMS, or other external equipment.

Typical Applications:

Back-up lighting scenes, houselight control, simple architectural lighting schemes, conference and concert lighting in municipal venues, preset lighting scenes in small television studios.

i 6.5.7

| Cat No. | Description  |
|---------|--|
| 62951   | 8 Button Preset Panel, SWC (requires A-Size Backbox)           |
| 62952   | 16 Button Preset Panel, SWC (requires B-Size Backbox)          |
| 63030   | LCD Display Station, SWC (requires D-Size Backbox)             |
| 76102   | Hand Held Programmer, SWC                                      |
| 66074   | Remote Socket Box: for Hand Held Programmer (includes backbox) |
| 62953   | AV Interface card, SWC (excludes enclosure)                    |
| 66101   | DIN rail Power Supply (to fit within LD90 rack)                |
| 66100   | Power Supply with Enclosure                                    |
| 66800   | Masonry Backbox 1-Gang (A-Size)                                |
| 66802   | Masonry Backbox 2-Gang (B-Size)                                |
| 66804   | Masonry Backbox 4-Gang (D-Size)                                |

**ANDI DX™**  
DIGITAL TOURING DIMMERS

- \* Fully digital 24 x 2.5kW or 12 x 5kW touring dimmers in wheeled flight case
- \* Same programmable features as LD90
- \* Local control panel for local programming and rack status
- \* Smooth 2000 step fade resolution
- \* Programmable choice of backup memory when MUX signal not present
- \* Multiplex or Analogue control inputs
- \* Choice of outlet sockets

**Andi DX 25 & DX 50 Flightcase Dimmers**

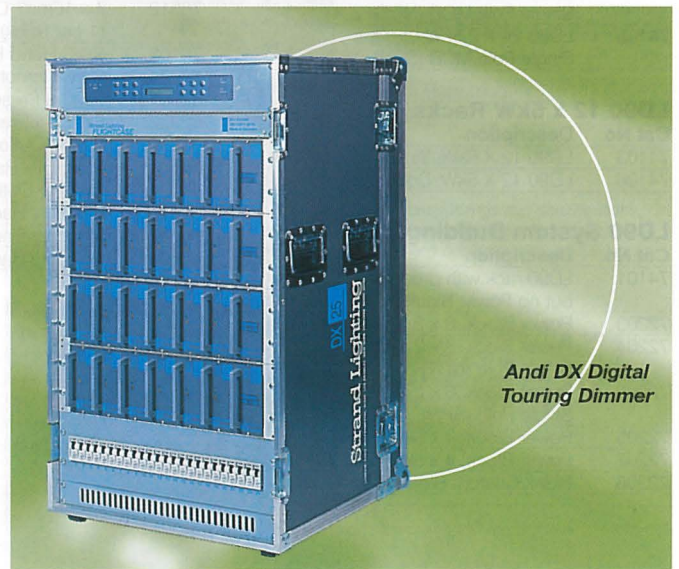
Touring digital dimmer racks with either 24 x 2.5kW or 12 x 5kW plug-in dimmer modules and central LD90 processor. UK, German, French or CEE17 output socket versions are available and each circuit is protected by 16A or 32A MCB. Power input is by 63A or 125A 3-phase CEE17 connector.

| Cat No. | Description                                       |
|---------|---|
| 75250   | Andi DX 25 Flightcase, Blank Socket Panel         |
| 75251   | Andi DX 25 Flightcase, 24 x 15A UK Sockets        |
| 75252   | Andi DX 25 Flightcase, 24 x Schuko German Sockets |
| 75253   | Andi DX 25 Flightcase, 24 x French Sockets        |

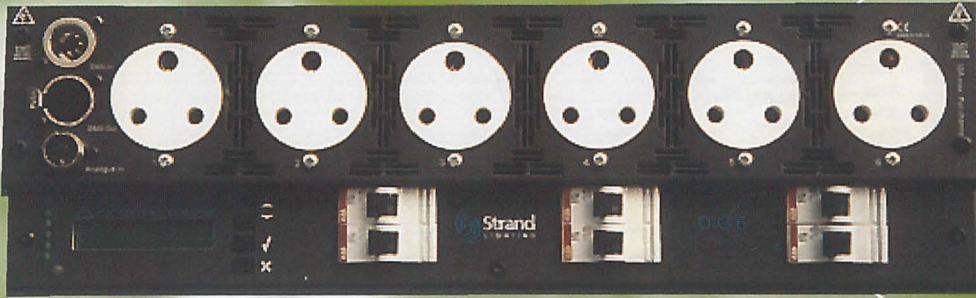
| Cat No. | Description                                    |
|---------|--|
| 75254   | Andi DX 25 Flightcase, 24 x CEE 17 16A Sockets |
| 75504   | Andi DX 50 Flightcase, 12 x CEE 17 32A Sockets |

**Andi DX 25 & DX 50 Accessories**

| Cat No. | Description                           |
|---------|---------------------------------------|
| 76251   | RCD Option                            |
| 76252   | Multicore Option 2.5kW (4 Connectors) |
| 76253   | Multicore Option 5kW (4 Connectors)   |
| 76309   | Additional Mux Input Kit              |
| 76311   | Analogue Input Connector Set          |
| 76102   | Hand Held Programmer, SWC             |



Andi DX Digital Touring Dimmer



DIG 6

## DIG 6

### DIGITAL DIMMER PACKS

- \* Totally digital design allows advanced features at an economic price
- \* Feature setup and control using front panel LCD display
- \* 4 pushbuttons for navigation of simple menu structure
- \* Each of the six channels has independent settings for Pre-heat, Maximum level, Dimming curve and Fade in/out delay
- \* Complete and ready to go with inputs for DMX512 and analogue ( $\pm 0-10V$ ) as standard
- \* Quick internal access whilst wired and installed in rack or flightcase
- \* Ready for use as part of a system or stand alone
- \* 9 chase patterns including smooth crossfades at 9 different speeds
- \* 8 pre-recorded scenes
- \* Any chase patterns and/or pre-recorded scenes may be selected for remote activation
- \* Auxiliary power provision for analogue consoles
- \* Available in a range of configurations, including hard wired, single and dual socket

Compact dimmer pack with six 10A 230V dimmers controlled by 0V to 10V analogue signal (plus/minus autosensing) per dimmer or DMX 512 multiplex signals. Nine internal effects, each with nine fade times, together with eight recordable scenes may be assigned to any of the six dimmer channels. All versions accept three phase power, and include linking straps for single phase use.

#### Cat No. Description

|       |                                |
|-------|--------------------------------|
| 73081 | Dig 6 with 6 UK BS546 Sockets  |
| 73082 | Dig 6 with 12 UK Sockets       |
| 73083 | Dig 6 with 6 Schuko Sockets    |
| 73084 | Dig 6 with dual Schuko Sockets |
| 73085 | Dig 6 - Hard Wired             |

#### Optional Accessories

|       |                              |
|-------|------------------------------|
| 76332 | DMX Interface Module, DMX512 |
| 61107 | 6-Way & Master Control Desk  |
| 66090 | DIN8 2m Control Cable        |
| 66091 | DIN8 5m Control Cable        |
| 66092 | DIN8 25m Control Cable       |
| 66083 | DMX Control Cable, 2m        |
| 66081 | DMX Control Cable, 10m       |
| 66082 | DMX Control Cable, 25m       |

## ACT 6+

### DIMMER PACKS

- \* Six 10A 230V dimmers in a rugged, portable economical pack
- \* Ideal for temporary lighting rigs, or small installations
- \* Optional dual output sockets
- \* Analogue input accepts positive or negative control signals
- \* Optional plug-in DMX module gives multiplex control capability and integral chase effects feature
- \* Push-button test switch and "test on" indicator on dimmer
- \* Fuse "OK" LED indicator per dimmer
- \* Provision for wall mounting or 19" rack mounting

Compact dimmer pack with six 10V 230V dimmers controlled by 0V to 10V analogue signal (plus/minus autosensing) per dimmer or optionally, multiplex signals. All versions with analogue input. By removing a blank cover panel, and installing the optional DMX module, any dimmer pack can operate with DMX512 multiplex signals. An added feature with the Multimux module is the self-powered effects package which provides 4 effect types, selection of channels in the effect and the effect speed, each one selected by the mux start address switches. All versions accept three phase power, and include a single phase linking strap.



ACT 3+ Dimmerpack

#### ACT 3+ Dimmer Packs

Act 3+ packs can be connected to a second Act 3+ to operate from channels 4 to 6 of the analogue control input cable or from the Multimux module. All Act+ packs accept 3-phase power but include a linking strap for single phase operation.

#### LX 6 Control Desk for Act+ Packs

A compact, 6 channel, single preset control board designed for use with the analogue Act 6+ and Act 3+ dimmer packs. LX 6 can be hand held or wall mounted and includes a master fader, power OK LED and latching 8-pin DIN socket for control multicore connection.



LX 6

#### Cat No. Description

|       |   |
|-------|---|
| 73310 | Act 6+, Single, 15A Sockets                               |
| 73380 | Act 6+, Dual, 15A Sockets                                 |
| 73312 | Act 6+, Single, Schuko Sockets                            |
| 73382 | Act 6+, Dual, 15A Sockets                                 |
| 73313 | Act 6+, Single, Schuko Sockets, complete with Mains Cable |
| 73383 | Act 6+, Dual, Schuko Sockets, complete with Mains Cable   |
| 73384 | Act 6+, Dual, French Sockets                              |
| 73316 | Act 6+, Single, Swiss Sockets                             |
| 73386 | Act 6+, Dual, Swiss Sockets                               |
| 73318 | Act 6+, Single, C17 Sockets                               |
| 73388 | Act 6+, Dual, C17 Sockets                                 |
| 73320 | Act 6+, Blank   |

#### Cat No. Description

|       |   |
|-------|---|
| 73070 | Act 3+ Analogue CEE17 32A Sockets   |
| 73071 | Act 3+ Analogue CEE17 32A Sockets with Power Input Cable and CEE32A 3P+NE plug  |
| 73074 | Act 3+ Multi-mux CEE17 32A Sockets  |
| 73075 | Act 3+ Multi-mux CEE17 32A Sockets with Power Input Cable and CEE32A 3P+NE plug |
| 61107 | LX 6 Control Desk for Act+ Dimmers  |



Premiere Control Stations

**PREMIERE®**  
128 CHANNELS 512 DIMMERS

- \* World leading architectural lighting control system
- \* Total flexibility via software configuration package
- \* All control surfaces configurable for a huge range of functions including multiple Templates
- \* Macro facility allows almost any custom feature
- \* Up to 600 single or repeated events via astronomical time clock with sunrise and sunset offsets
- \* Up to 32 rooms with 128 lighting presets for every room
- \* Output for up to 512 DMX dimmers or other devices including moving lights
- \* Automatic lighting sequences and dynamic effects
- \* Easy expansion via multiple Premiere systems controlled by Premier Network Manager

Premiere is an advanced programmable lighting control system able to solve almost any lighting problem in the built environment. Typical applications are: Hotels, Restaurants, Conference Centres, Shopping Malls, Churches, Museums, Theme Parks, Arts Centres, Cruise Ships, Concert Halls and any other environment calling for effective and creative control of lighting.

A Premiere system comprises a Central Processor which supports up to four installed C-LAN cables to distributed Control Stations. The Processor provides a multiplexed output signal to dimmer racks, non-dims or other devices, such as DMX-driven colour-changing luminaires.

For larger installations, up to 15 Premiere systems can be linked together and controlled "as one" through a PC based software package - see Premier Network Manager.

**Central Processor**

Premiere Processors are supplied in an enclosure for wall mounting and include a 3.5" floppy disk drive for initial loading of system configuration data and subsequent off-line storage of all recorded parameters. Each Premiere Processor supports 128 channels, across up to 32 rooms. Patching is fully flexible, allowing either multiple channels per dimmer or multiple dimmers per channel. Up to 16 Control Stations may be connected to each C-LAN, making a total maximum of 64 Stations per Processor. Various multiplex protocols are supported, including 512 channels of DMX.

**Premiere Control Stations**

An extensive range of Premiere Stations is available to suit every requirement. The function of each individual pushbutton can be configured to perform more than 30 different commands. These include multi function macro commands, which will perform programmed routines initiated by a single push. Such macro sequences may be programmed with names, which if assigned to an LCD Display Station will appear in the display window adjacent to the relevant pushbutton. There is also a facility for every Station to switch to a different operating template, enabling for instance the ability to change the function of certain pushbuttons at different times of the day.

**Premier Network Manager**

Premiere Network Manager (PNM) is a software package running on a Windows® (V3.1 or later) or Windows® '95 PC, enabling real time control of up to 480 rooms controlled by up to 15 networked Premiere systems. The prime applications are:

**1 Programming**

A laptop or other PC may be connected directly to a Premiere Processor or plugged into one of a networked installation of PNM Receptacle Stations at convenient locations in the site. PNM provides on-screen graphic representation of sliders, menus and check boxes which allow "live" programming of presets, fade times and other lighting functions for every room in the system.

**2 Lighting Management**

A centrally located PC running PNM can monitor all Premiere Processors in the system and give visual indication of prevailing active presets in every room and lockout status of every Station. Presets can be recalled and macros executed, stations or groups of stations may be locked or unlocked and rooms linked when removable partitions are being used.

The process of monitoring and controlling the Premiere network is simplified by creating customised Groups. These may be groups of Stations (e.g. to lockout those in public areas), or groups of rooms (eg to select a given preset for all restaurants), or even a group of groups. System-wide clock events may be programmed for the network (ensuring synchronicity between Premiere systems), along with numerous other powerful features.

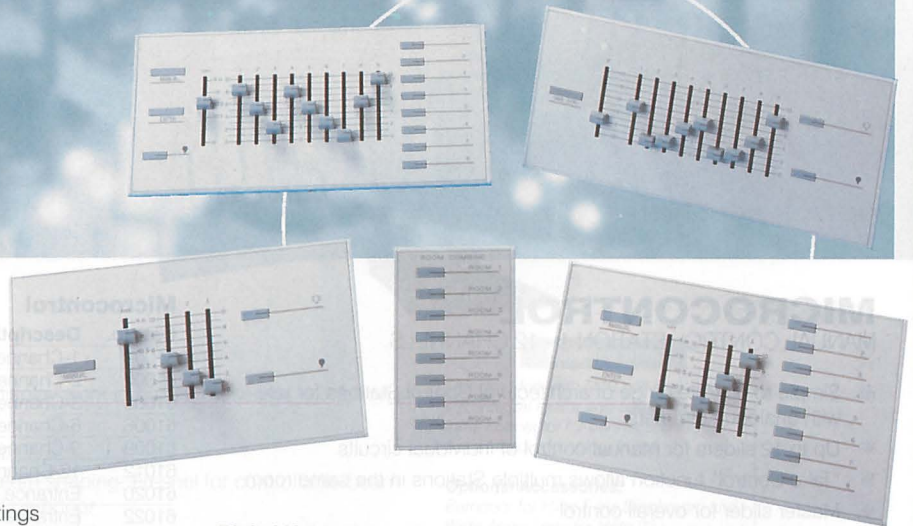
The possibilities of Premiere are too numerous to list in full and installations will require careful planning. For more detailed information please refer to Strand Data Sheet 6.3.1. Valuable advice on planning and configuring a Premiere system is available from Strand's experienced project teams.

i 6.3.1





Outlook Stations



## OUTLOOK

3, 6, 9 or 12 CHANNELS, 8 PRESET

- \* Elegant range of architectural Control Stations
- \* Allows separate control of multiple zones fed from the same dimmer rack
- \* Up to 15 channels and 8 presets for every Room
- \* Easy recording of presets directly from slider settings
- \* LCD Display Station allows custom labelling of presets for ease of control
- \* Outlook functionality included as standard in all Strand's digital dimming systems
- \* Digital Network Interface will allow Outlook stations to operate with other dimmers

Outlook is a comprehensive range of control stations of which up to 16 can be connected via a single daisy-chain communications cable to any Strand digital dimmer rack giving flexible preset control of lighting. Primarily designed for architectural applications, Outlook allows dimmer racks to be 'partitioned' into Rooms. Individual dimmers within a rack may be programmed with a Room number allowing groups of dimmers to be set up to respond only to Control Stations within the relevant areas.

Stations incorporate 8 presets with their own programmable fade times and Off and On selection and allow fully flexible patching of dimmers to control channels.

The range comprises:

- Master Stations with sliders for manual control of up to 15 channels and pushbuttons for recording and recall of up to 8 presets.
- Preset Select Stations for push-button selection of pre-recorded lighting scenes.
- Room Combine Stations to allow for control of lighting in partitioned rooms.
- LCD Display Station for customised labelling of presets and channels using backlit displays adjacent to pushbuttons. Can also be configured for Room Combine functions.
- Plug-in Portable Stations allowing any station to become portable for connection to the system via a Receptacle Station.
- Slider Stations for simple manual control without presets. Includes 'Take Control' functionality.

Outlook presets operate on a highest-takes-precedence basis with other control sources, allowing greater flexibility such as combining Houselight dimmers with control from a DMX source.

An Outlook system requires only the digital dimmers, the Stations themselves (plus backboxes) and a suitable power supply. Additional items available include an A/V Interface card to allow external equipment to activate presets in a given Room, and a Room Combine Interface to allow automated or externally activated Room combining.

### Digital Network Interface

The Digital Network Interface card has been developed to allow the use of Outlook Stations with analogue dimmer systems. The interface is supplied as a printed circuit board ready to mount inside an enclosure with psu or inside the dimmer cabinet if space permits. Each Interface (DNI card) provides six 0 to +10V output signals to drive analogue dimmers, and supports connection of the remote Outlook Stations. The DNI card includes Room selector switches, and an ingenious "split card" function, allowing multiple cards to be connected together to build up a wide variety of different configurations of Room channels and dimmer drive signals. The card incorporates battery maintained memory and a "panic" facility for turning control output for each dimmer to full in an emergency.

i 6.7.2

Note on Outlook and SWC: **Outlook presets are completely separate from SWC presets.** The distinction between SWC and Outlook is most simply explained by the fact that an SWC preset includes every dimmer in the connected network whereas an Outlook preset includes only those dimmers which have been programmed into the specific Room concerned.

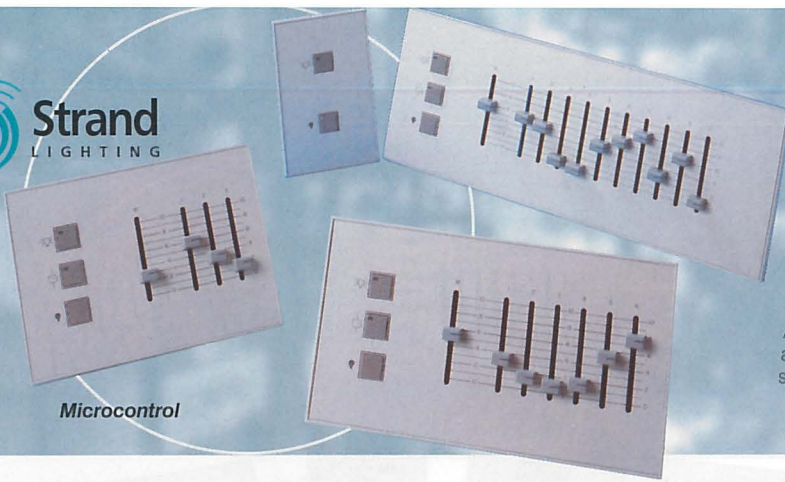
### Outlook

| Cat No. | Description   | Backbox Required |
|---------|---|------------------|
| 63003   | Master Station 3 channel  | D                |
| 63006   | Master Station 6 channel  | D                |
| 63009   | Master Station 9 channel  | E                |
| 63012   | Master Station 12 channel   | F                |
| 63015   | Master Station 15 channel   | G                |
| 63028   | 8-Preset Station  | A                |
| 63024   | 4-Preset Station  | A                |
| 63021   | 1-Preset Entrance Station   | A                |
| 63030   | LCD Display Station   | D                |
| 63031   | Room Combine Station 2 room   | A                |
| 63033   | Room Combine Station 3 room   | A                |
| 63038   | Room Combine Station 8 room   | A                |
| 63103   | Slider Station 3 channel  | D                |
| 63106   | Slider Station 6 channel  | D                |
| 63109   | Slider Station 9 channel  | E                |
| 63112   | Slider Station 12 channel   | F                |
| 63115   | Slider Station 15 channel   | G                |
| 63041   | Receptacle Station  | A                |
| 63043   | Infra-red Receiver Station  | A                |
| 63042   | Infra-red Transmitter   |                  |
| 63039   | Room Combine Interface (pcb card only)                                  |                  |
| 63044   | Audio Visual Interface (pcb card only)                                  |                  |
| 66101   | DIN rail Power Supply (to fit within LD90 rack)                         |                  |
| 66100   | Power Supply with Enclosure   |                  |
| 63040   | Digital network Interface pcb (requires 24V psu and suitable enclosure) |                  |

### Outlook Accessories

| Cat No. | Description                            |
|---------|--|
| 66800   | Masonry Backbox 1-Gang (A size)        |
| 66802   | Masonry Backbox 2-Gang (B size)        |
| 66804   | Masonry Backbox 4-Gang (D size)        |
| 66805   | Masonry Backbox 5-Gang (E size)        |
| 66806   | Masonry Backbox 6-Gang (F size)        |
| 66807   | Masonry Backbox 7-Gang (G size)        |
| 66711   | Portable Enclosure Kit (A size)        |
| 66714   | Portable Enclosure Kit (D size)        |
| 66715   | Portable Enclosure Kit (E size)        |
| 66716   | Portable Enclosure Kit (F size)        |
| 66717   | Portable Enclosure Kit (G size)        |
| 66096   | Cable 7.5m for Portable Enclosure Kits |

**Note:** To convert any standard Station to a portable version, add the relevant size Portable Kit, plus one Cable: Cat No 66096 for 7.5m Cable. Portable versions must connect to a 63041 Outlook Receptacle Station.



Microcontrol

Microcontrol is a range of architectural lighting control stations for use with up to 12 analogue dimmers (0 to +10V). Microcontrol Stations incorporate the required number of sliders for individual control of circuits, plus a master which controls the whole group. Additionally every Station includes On and Off pushbuttons for instant control. Slider control is selected via a Manual push-button which also acts as Take Control, releasing control from any other Station in the Room.

A choice of 2 or 3 push-button Entrance Stations is also available. Microcontrol Stations require a 10.6 volt power supply.

## MICROCONTROL™

MANUAL CONTROL STATION 1 - 12 CHANNELS

- \* Simple to operate range of architectural Control Stations for use with analogue dimmers
- \* Up to 12 sliders for manual control of individual circuits
- \* "Take Control" function allows multiple Stations in the same room
- \* Master slider for overall control
- \* Choice of Entrance Stations
- \* No unsightly fixing screws on surface

### Microcontrol

| Cat No. | Description                     | Backbox Required |
|---------|---------------------------------|------------------|
| 61001   | 1-Channel Microcontrol Station  | B                |
| 61002   | 2-Channel Microcontrol Station  | C                |
| 61003   | 3-Channel Microcontrol Station  | C                |
| 61006   | 6-Channel Microcontrol Station  | D                |
| 61009   | 9-Channel Microcontrol Station  | E                |
| 61012   | 12-Channel Microcontrol Station | F                |
| 61020   | Entrance Station On/Off         | A                |
| 61022   | Entrance Station On/Off /Manual | A                |
| 66100   | Power Supply with enclosure     |                  |

## MULTIDIM™

PRESET DIMMERS

- \* Plug-in, hard-fired dimmers for architectural lighting applications
- \* Tungsten versions suitable for transformer-fed low voltage or cold cathode loads
- \* Fluorescent version complete with internal relay for Line Fixed output to conventional dimmable ballasts
- \* Fast-start feature for suitable high frequency fluorescent dimming ballasts
- \* Four adjustable presets, plus a range of push-button Control Stations in single or multi-gang versions
- \* Compatible with Microcontrol, Slider Stations

Multidim is a range of modular, plug-in, preset dimmers in 16A and 32A ratings and in Tungsten or Fluorescent versions. The dimmers are controlled from a range of flush mounted push-button or slider wall stations. Multidim employs hard firing thyristor drive circuitry for maximum output stability. All contractor wiring is connected into a wall mounted socket assembly prior to plugging in the dimmer module.

Front panel adjustments are provided on each module for preset levels and fade times, plus a user-selectable "start up" level (off or preset level). Preset selection may also be triggered by external momentary volt-free contacts. A pre-formed mounting rail is available to facilitate multi-way installations.

### Multidim 16A

The Universal version controls up to 3.5kW of tungsten load or 2400VA of conventional transformer-fed load. Certain types of electronic transformers are also suitable for phase control dimming (please confirm suitability). The 16A Fluorescent version will control conventional (3-wire) dimmable ballasts with a load of up to thirty-eight 36W fluorescent tubes or equivalent.

### Multidim 32A

The Tungsten version controls up to 7kW of tungsten load, or 4500VA of conventional transformer-fed load.

**Note:** All versions of Multidim may be adjusted to control Helvar EL, FD fluorescent dimmable ballasts.



Multidim 16A &amp; 32A

| Cat No. | Description                     |
|---------|---------------------------------|
| 71016   | Multidim 16A Tungsten Dimmer    |
| 71116   | Multidim 16A Fluorescent Dimmer |
| 71032   | Multidim 32A Tungsten Dimmer    |

### Multidim Accessories

| Cat No. | Description                       |
|---------|-----------------------------------|
| 76820   | Dimmer Mounting Rail (StrandRail) |
| 76821   | Busbar Connecting Set             |

### Multidim Control Stations

Multidim preset type Control Stations provide remote pushbutton selection of 4 dimmer preset levels. Pushbuttons include LED indication of the active preset. These are available in single, double or triple-gang versions for control of one, two or three dimmers. All preset Stations are connected in parallel (via low voltage signal cable) allowing control from multiple locations. Slider Stations are also available for manual control: simple 1-way or Take Control for multiple location control. All Multidim Control Stations are supplied with standard UK flush back-boxes.

| Cat No. | Description                                    |
|---------|--|
| 62001   | 1-Gang Preset Station (4 button)               |
| 62002   | 2-Gang Preset Station (8 button)               |
| 62003   | 3-Gang Preset Station (12 button)              |
| 61101   | 1-Gang Slider Station (Slider only)            |
| 61202   | Take Control Station (Slider with Take button) |

|          | V                | A   | W     | ■  | ▶ | ▬▶          | ■               | ■   | ■   | ■     | CE | i     |
|----------|------------------|-----|-------|----|---|-------------|-----------------|-----|-----|-------|----|-------|
| Multidim | 230/240V 50/60Hz | 6A  | 1.2kW | 12 | 1 | 0-10V (+/-) | 270 x 210 x 135 | 3.5 | 4.2 | 0.010 | ✓  | 7.1.2 |
| Multidim | 230/240V 50/60Hz | 16A | 3.5kW | 12 | 1 | 0-10V (+/-) | 270 x 210 x 135 | 4.0 | 4.6 | 0.010 | ✓  | 7.1.2 |
| Multidim | 230/240V 50/60Hz | 32A | 7kW   | 12 | 1 | 0-10V (+/-) | 270 x 210 x 135 | 5.5 | 6.2 | 0.010 | ✓  | 7.1.2 |

V Supply voltage A Current rating in amps W Watts (maximum recommended) ■ Number of channels ▶ Number of dimmers ▬▶ Controls protocol ■ Overall dimension of product (mm)  
 ■ Weight of product (kg) ■ Packed weight (kg) ■ Packed volume (cu.metres) CE Indicates certified to conform with all relevant EC directives i Strand data sheet reference number

Hilite F & Hilite 23



## HILITE™ METAL HALIDE ARCHITECTURAL LUMINAIRES

- \* Highly controllable theatrical style luminaires for display work in hotels, museums, exhibitions, shopping malls and atria
- \* Uses low energy, long life metal halide 150W lamp
- \* Available in two versions: Profile Spot for sharp beam shaping; Fresnel for controllable beam angle with additional beam shaping from optional barndoor
- \* Incorporates integral ballast and ignitor
- \* Finished in white to blend with most interiors

**Supplied with:**

Mounting fork with M10 bolt and wing nut, integral ignitor and ballast, power input connector for connection to power feed and colour frame.

**Optional Accessories:**

Barndoor for Hilite F, Iris Diaphragm and Wide Angle Lens for Hilite 23, a range of mounting brackets.

Both Hilites provide highly controllable lighting for display applications where good control of beam shaping is required. The beam of Hilite F is readily adjustable between 9° and 47° and with optional barndoor accessory can be shaped with soft definition. Hilite 23 Profile incorporates four shutters to enable crisp shaping of its 26° beam. An optional wide angle lens can be installed to widen the beam to 38° and there is an optional iris diaphragm accessory available for more precise beam angle control.

| Cat No. | Description       |
|---------|-------------------|
| 11500   | Hilite Fresnel    |
| 11520   | Hilite 23 Profile |

|       |                                       |
|-------|---------------------------------------|
| 18034 | Additional Card Colour Frame          |
| 82200 | Standard Wall Bracket                 |
| 82201 | Heavy Duty Wall Bracket               |
| 82202 | Universal Mounting Bracket            |
| 82203 | Boom Bracket (for vertical 48mm pipe) |
| 82010 | Hook Clamp                            |
| 82000 | Safety Cable (up to 16kg)             |

**Lamp for Hilite**

| Cat No. | Description           |
|---------|-----------------------|
| 42020   | MBI-T(Cool) 150W Lamp |

**Hilite Accessories**

| Cat No. | Description     |
|---------|-----------------|
| 18031   | Barndoor White  |
| 18032   | Wide Angle Lens |
| 18033   | Iris Diaphragm  |

Architectural Luminaires



## MINIFLOOD Mk2™ FLOODLIGHT 250W

- \* New model provides improved filter performance with higher powered lamps
- \* Ideal for small venues, school or club stages, working lights, shop displays
- \* Accepts 100W, 150W, or 250W 78mm linear tungsten halogen lamps (ordered separately)

**Supplied with:**

1m heat resistant power cable with Schuko plug, safety glass with wire safety mesh; Metal Colour Frame. Please order lamp of required wattage and voltage from list below separately.

**Optional Accessories:**  
4-leaf Barndoor.

**Miniflood Mk2**

Single unit symmetrical reflector floodlight.

**Cat No. Description**

|       |                            |
|-------|----------------------------|
| 14220 | Miniflood Mk2, Schuko Plug |
|-------|----------------------------|

**Miniflood Mk2 Accessories**

**Cat No. Description**

|       |                                       |
|-------|---------------------------------------|
| 18133 | Barndoor, Miniflood Mk2, Single Unit  |
| 82010 | Hook Clamp                            |
| 82000 | Safety Cable, Light Duty (up to 16kg) |

**Lamps for Miniflood Mk2**

**Cat No. Description**

|       |                      |
|-------|----------------------|
| 44144 | K14, 100W, 240V Lamp |
| 44143 | K14, 100W, 230V Lamp |
| 44124 | K12, 150W, 240V Lamp |
| 44123 | K12, 150W, 230V Lamp |
| 44154 | K15, 250W, 240V Lamp |
| 44153 | K15, 250W, 230V Lamp |

Miniflood Mk2 Single Unit

| Throw        | Lux Ø |      | Lux Ø |     | Lux Ø |     | Lux Ø |     |
|--------------|-------|------|-------|-----|-------|-----|-------|-----|
|              | 4m    | 6m   | 4m    | 6m  | 4m    | 6m  | 4m    | 6m  |
| Hilite 23    | 2300  | 1.85 | 1020  | 2.8 | 575   | 3.7 | 370   | 4.7 |
| Hilite F (F) | 347   | 3.5  | 154   | 5.2 | 86    | 6.9 | -     | -   |
| Hilite F (S) | 2660  | 0.65 | 1180  | 1.0 | 665   | 1.3 | 425   | 1.6 |

Typical performance based on 150W MBI-T lamp.

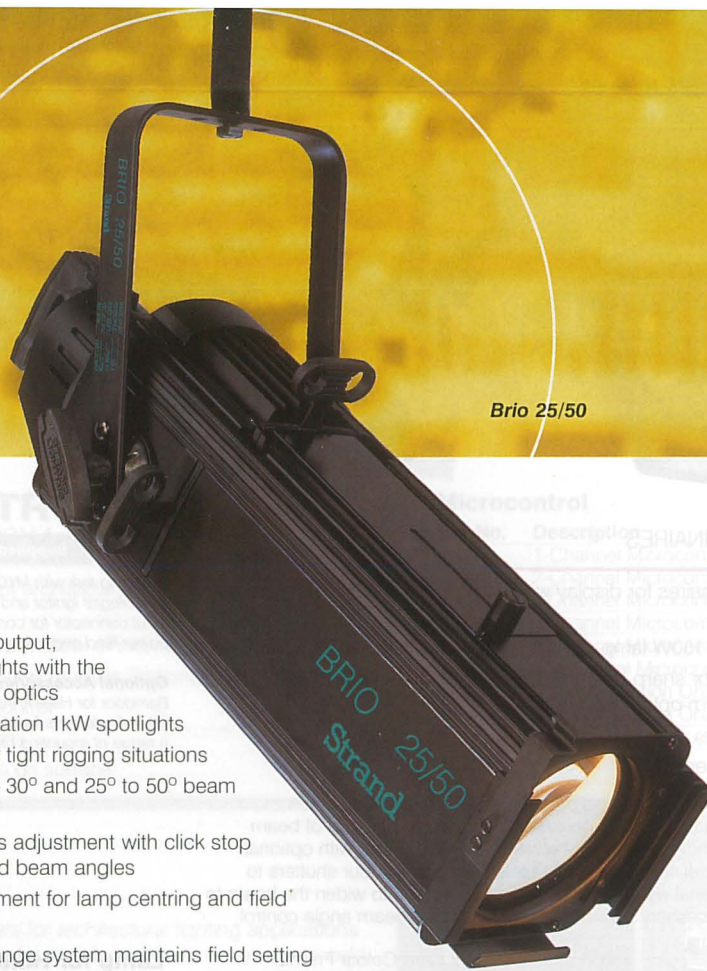
| Throw              | 1m   |     | 2m  |     | 3m  |     | 4m  |     |
|--------------------|------|-----|-----|-----|-----|-----|-----|-----|
|                    | Lux  | Ø   | Lux | Ø   | Lux | Ø   | Lux | Ø   |
| Miniflood 100W K14 | 2350 | 1.1 | 588 | 2.3 | 261 | 3.4 | 147 | 4.6 |
| Miniflood 150W K12 | 1224 | 1.1 | 306 | 2.3 | 136 | 3.4 | 76  | 4.6 |
| Miniflood 250W K19 | 784  | 1.1 | 196 | 2.3 | 87  | 3.4 | 49  | 4.6 |

Typical performance based on K Series lamps.

|           | L   | W   | H   | Ⓜ    | Ⓜ   | Ⓜ     | Ⓜ | V   | i     |
|-----------|-----|-----|-----|------|-----|-------|---|-----|-------|
| Hilite 23 | 435 | 200 | 340 | 8.15 | 9.4 | 0.050 | D | 125 | 1.1.9 |
| Hilite F  | 295 | 200 | 340 | 6.5  | 7.7 | 0.039 | - | 125 | 1.1.9 |

|                    |    |     |     |     |     |       |     |       |
|--------------------|----|-----|-----|-----|-----|-------|-----|-------|
| Miniflood 100W K14 | 88 | 165 | 150 | 1.1 | 1.3 | 0.004 | 110 | 1.4.3 |
| Miniflood 150W K12 | 88 | 165 | 150 | 1.1 | 1.3 | 0.004 | 110 | 1.4.3 |
| Miniflood 250W K19 | 88 | 165 | 150 | 1.1 | 1.3 | 0.004 | 110 | 1.4.3 |

L Length W Width H Height Ⓜ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓜ Packed volume (cu.metres) Ⓜ Gobo (pattern) size X Colour filter cut size (mm)  
 i Strand data sheet reference number Ø Beam diameter in metres F Flood S Spot



Brio 25/50

**BRIO™**  
ZOOM 'COOLBEAM'  
PROFILE SPOTS  
600W

- \* New generation of high output, coolbeam, profile spotlights with the added flexibility of zoom optics
- \* Outperforms older generation 1kW spotlights
- \* Compact size is ideal for tight rigging situations
- \* Two models cover 18° to 30° and 25° to 50° beam angle ranges
- \* Smooth action zoom lens adjustment with click stop positioning at pre-defined beam angles
- \* Easy to use lamp adjustment for lamp centring and field adjustment
- \* Bayonet action lamp change system maintains field setting when re-lamping
- \* Uses accessories common to Cantata/Prelude

**Supplied with:**

Colour Frame, 1.5m of cable with fitted Schuko or 15A plug and 230V HX600 or 240V GKV lamp.

**Optional Accessories:**

Gobo Holder, Drop-in Iris, Colour Call Scroller.



**Brio 18/30 & 25/50**

Designed around the new generation of compact filament GKV (HX600) lamps, Brio's axial optics with dichroic coated glass reflector provide exceptional output from a compact luminaire. With variable spread of 18° to 30° and 25° to 50° beam angles, Brio combines the recent advances in lamp technology with more traditional European lighting preferences.

**Cat No. Description**

|       |  |
|-------|--|
| 11153 | Brio 18/30, 230V, GKV (HX600) 600W Lamp, Schuko plug |
| 11154 | Brio 18/30, 240V, GKV (HX600) 600W Lamp, 15A plug    |
| 11143 | Brio 25/50, 230V, GKV (HX600) 600W Lamp, Schuko plug |
| 11144 | Brio 25/50, 240V, GKV (HX600) 600W Lamp, 15A plug    |

**Accessories for Brio**

**Cat No. Description**

|       |                                       |
|-------|---------------------------------------|
| 18044 | Additional Colour frame               |
| 18048 | Gobo Holder, A size                   |
| 18046 | Drop-in Iris, 18 leaf                 |
| 82000 | Safety Cable, light duty (up to 10kg) |

**Replacement Lamps for Brio**

**Cat No. Description**

|       |                                    |
|-------|------------------------------------|
| 43783 | GKV (HX600) 600W, 3200K, 230V Lamp |
| 43784 | GKV (HX600) 600W, 3200K, 240V Lamp |
| 43781 | FLK 575W, 3200K, 115V Lamp         |
| 43782 | FLK LL 575W, 3050K, 115V Lamp      |

| Throw           | Lux 5m |      | Lux 10m |       | Lux 15m |       | Lux 20m |       | Lux 25m |       |
|-----------------|--------|------|---------|-------|---------|-------|---------|-------|---------|-------|
|                 | Lux    | Ø    | Lux     | Ø     | Lux     | Ø     | Lux     | Ø     | Lux     | Ø     |
| <b>Brio 18°</b> | 4725   | 3.08 | 1181    | 6.20  | 525     | 9.25  | 295     | 12.30 | 189     | 15.40 |
| <b>Brio 30°</b> | 3860   | 4.70 | 965     | 9.40  | 429     | 14.10 | 241     | 18.82 | 154     | 23.52 |
| <b>Brio 25°</b> | 3804   | 4.08 | 951     | 8.20  | 423     | 12.25 | 238     | 16.30 | 152     | 20.40 |
| <b>Brio 50°</b> | 2078   | 6.57 | 520     | 13.14 | 231     | 19.7  | 130     | 26.27 | 83      | 32.84 |

Typical performance based on 600W GKV lamp.

|                 | L   | W   | H   | Ⓛ   | Ⓜ   | Ⓝ     | Ⓟ | Ⓡ   | Ⓢ      | i |
|-----------------|-----|-----|-----|-----|-----|-------|---|-----|--------|---|
| <b>Brio 18°</b> | 600 | 220 | 379 | 6.2 | 7.2 | 0.048 | A | 158 | 1.1.10 |   |
| <b>Brio 30°</b> |     |     |     |     |     |       |   |     |        |   |
| <b>Brio 25°</b> | 560 | 220 | 379 | 5.9 | 6.9 | 0.048 | A | 158 | 1.1.10 |   |
| <b>Brio 50°</b> |     |     |     |     |     |       |   |     |        |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
Ⓝ Packed volume (cu.metres) Ⓟ Gobo (pattern) size Ⓡ Colour filter cut size (mm)  
Ⓢ Strand data sheet reference number Ⓢ Beam diameter in metres



## QUARTET™ Mk2

FRESNEL, PC SPOT  
& PROFILE SPOTS  
500/650W

- \* Improved and extended range ideal for theatres, school stages and display lighting
- \* Modern styling with compact, lightweight, rugged die-cast body
- \* New narrow angle 15° to 25° zoom profile added to range
- \* Improved performance from Quartet F, PC and 22/40
- \* Improved focus mechanisms on profile spots
- \* Heat resistant rear and tilt lock handles
- \* Designed for 650W lamp but will also accept 500W lamp

### Quartet F Mk2

Compact, economical Fresnel spotlight with a smooth, soft-edged 10° to 40° variable beam.

| Cat No. | Description                                    |
|---------|--|
| 11164   | Quartet F Mk2, 240V T26 650W Lamp, 15A Plug    |
| 11163   | Quartet F Mk2, 230V T26 650W Lamp, Schuko Plug |

### Quartet PC Mk2

Compact, economical spotlight with a Prism-Convex lens giving a tighter beam and wider range of beam angles from 7.5° to 55.5° and improved output.

| Cat No. | Description                                     |
|---------|---|
| 11174   | Quartet PC Mk2, 240V T26 650W Lamp, 15A Plug    |
| 11173   | Quartet PC Mk2, 230V T26 650W Lamp, Schuko Plug |

### Quartet Profile Spots

Economically-priced twin-lens zoom profile spotlights with beam angle adjustable between 22° to 40° and 15° to 25° and with hard/soft focus control and peak/flat beam distribution adjustment.

| Cat No. | Description                                    |
|---------|--|
| 11194   | Quartet 22/40, 240V T26 650W Lamp, 15A Plug    |
| 11193   | Quartet 22/40, 230V T26 650W Lamp, Schuko Plug |
| 11184   | Quartet 15/25, 240V T26 650W Lamp, 15A Plug    |
| 11183   | Quartet 15/25, 230V T26 650W Lamp, Schuko Plug |

### Quartet Accessories

| Cat No. | Description                           |
|---------|---------------------------------------|
| 18040   | Barndoor, 4-Leaf Rotating             |
| 18041   | Iris, 12-Leaf                         |
| 18042   | Holder for M-Size Gobo                |
| 18043   | Additional Colour Frame, Card         |
| 18044   | Colour Frame, Metal                   |
| 82010   | Hook Clamp                            |
| 82000   | Safety Cable, Light Duty (up to 16kg) |

### Replacement Lamps for Quartet

| Cat No. | Description          |
|---------|----------------------|
| 41264   | T26, 650W, 240V Lamp |
| 41263   | T26, 650W, 230V Lamp |
| 41184   | T18, 500W, 240V Lamp |
| 41183   | T18, 500W, 230V Lamp |
| 41404   | M40, 500W, 240V Lamp |
| 41403   | M40, 500W, 230V Lamp |



Quartet PC Mk2

#### Supplied with:

1.5m heat resistant cable fitted with 15A plug or Schuko connector; 240V or 230V T26 650W Lamp; Card colour frame.

#### Optional Accessories:

Barndoor for Fresnel / PC Spots and Gobo Holder and 12-leaf Iris for Profile Spots. ColourCall Scroller.

| Throw             | Lux 4m |      | Lux 6m |      | Lux 8m |      | Lux 10m |      | Lux 12m |      |
|-------------------|--------|------|--------|------|--------|------|---------|------|---------|------|
|                   | Lux    | Ø    | Lux    | Ø    | Lux    | Ø    | Lux     | Ø    | Lux     | Ø    |
| Quartet F (N)     | 3100   | 0.97 | 1759   | 1.46 | 989    | 1.95 | 759     | 2.4  | 457     | 2.92 |
| Quartet F (W)     | 420    | 4.3  | 304    | 6.4  | 130    | 8.5  | 99      | 10.6 | 78      | 12.8 |
| Quartet PC (N)    | 2551   | 0.99 | 1860   | 1.5  | 960    | 1.98 | 587     | 2.4  | 340     | 2.97 |
| Quartet PC (W)    | 275    | 4.85 | 180    | 7.3  | 87     | 9.7  | 55      | 12.0 | 39      | 14.4 |
| Quartet 15/25 (N) | 2990   | 1.05 | 1980   | 1.6  | 1120   | 2.1  | 728     | 2.6  | 430     | 3.2  |
| Quartet 15/25 (W) | 1780   | 1.8  | 1430   | 2.7  | 740    | 3.7  | 409     | 4.4  | 278     | 5.3  |
| Quartet 22/40 (N) | 1730   | 1.6  | 1220   | 2.3  | 650    | 3.1  | 408     | 3.9  | 290     | 4.7  |
| Quartet 22/40 (W) | 980    | 2.9  | 830    | 4.4  | 380    | 5.8  | 230     | 7.3  | 144     | 8.7  |

Typical performance based on 650W T26 lamp.

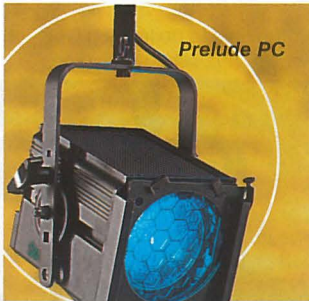
|               | L   | W   | H   | Ⓛ   | Ⓜ   | Ⓝ     | Ⓢ | Ⓣ   | Ⓤ     | i |
|---------------|-----|-----|-----|-----|-----|-------|---|-----|-------|---|
| Quartet F     | 286 | 249 | 322 | 3.1 | 4.0 | 0.030 | - | 150 | 1.1.7 |   |
| Quartet PC    | 286 | 249 | 322 | 3.3 | 4.2 | 0.030 | - | 150 | 1.1.7 |   |
| Quartet 15/25 | 525 | 249 | 322 | 5.5 | 6.1 | 0.050 | M | 150 | 1.1.7 |   |
| Quartet 22/40 | 475 | 249 | 322 | 5.2 | 6.0 | 0.043 | M | 150 | 1.1.7 |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓝ Packed volume (cu.metres) Ⓢ Gobo (pattern) size Ⓣ Colour filter cut size (mm)  
 Ⓤ Strand data sheet reference number Ⓣ Beam diameter in metres

Prelude F  
with Barndoors



Prelude PC



Prelude  
28/40



Prelude 16/30



**PRELUDE™**  
FRESNEL, PC SPOT  
& PROFILE SPOTS  
650W

- \* Professional specification 650W spotlights
- \* Suitable for small to medium size venues
- \* High-performance optics
- \* Electrically-isolated during lamp replacement
- \* Dual-height stirrup
- \* Easy access for lens cleaning
- \* Insulated rear and tilt lock handles

**Prelude F**  
Fresnel spotlight giving a 9° to 40° soft-edged variable beam with good distribution.

| Cat No. | Description                                |
|---------|--|
| 11104   | Prelude F, 240V T26 650W Lamp, 15A Plug    |
| 11103   | Prelude F, 230V T26 650W Lamp, Schuko Plug |

**Prelude PC**  
Compact spotlight giving a tighter beam and wider range of beam angles, from 7.5° to 55°.

| Cat No. | Description                                 |
|---------|---|
| 11114   | Prelude PC, 240V T26 650W Lamp, 15A Plug    |
| 11113   | Prelude PC, 230V T26 650W Lamp, Schuko Plug |

**Supplied with:**

1.5m detachable, heat resistant power cable with IEC 320 hot condition connector and Schuko or 15A UK plug; 240V or 230V T29 1200W lamps; Metal Colour Frame.

**Optional Accessories:**  
Barndoors for Fresnel/PC Spots and Gobo Holder and 18-leaf for Profile Spots. ColourCall Scroller.

**Prelude Profile Spots**

Zoom profile spotlights with variable 16° to 30° and 28° to 40° beam. Excellent beam quality gives crisp shutter or gobo projection but distribution can be adjusted for soft edge focus. Includes four integral beam-shaping shutters and slot for a gobo holder or iris.

| Cat No. | Description                                    |
|---------|--|
| 11124   | Prelude 16/30, 240V T26 650W Lamp, 15A Plug    |
| 11123   | Prelude 16/30, 230V T26 650W Lamp, Schuko Plug |
| 11134   | Prelude 28/40, 240V T26 650W Lamp, 15A Plug    |
| 11133   | Prelude 28/40, 230V T26 650W Lamp, Schuko Plug |

**Prelude Accessories**

| Cat No. | Description                           |
|---------|---------------------------------------|
| 18040   | Barndoor, 4-Leaf Rotating             |
| 18046   | Iris 18-Leaf                          |
| 18045   | Holder for 'B' Size Gobos             |
| 18043   | Colour Frame, Card                    |
| 18044   | Additional Colour Frame, Metal        |
| 82010   | Hook Clamp                            |
| 82000   | Safety Cable, Light Duty (up to 16kg) |

**Replacement Lamps for Prelude**

| Cat No. | Description          |
|---------|----------------------|
| 41264   | T26, 650W, 240V Lamp |
| 41263   | T26, 650W, 230V Lamp |

| Throw             | Lux 4m |     | Lux 6m |      | Lux 8m |      | Lux 10m |      | Lux 12m |      |
|-------------------|--------|-----|--------|------|--------|------|---------|------|---------|------|
|                   | Lux    | Ø   | Lux    | Ø    | Lux    | Ø    | Lux     | Ø    | Lux     | Ø    |
| Prelude F (N)     | 4160   | 0.6 | 1850   | 0.9  | 1040   | 1.2  | 665     | 1.5  | 462     | 1.8  |
| Prelude F (W)     | 790    | 2.9 | 350    | 4.3  | 200    | 5.8  | 125     | 7.2  | 90      | 8.7  |
| Prelude PC (N)    | 3200   | 0.5 | 1420   | 0.75 | 800    | 1.04 | 510     | 1.25 | 355     | 1.6  |
| Prelude PC (W)    | 425    | 4.2 | 190    | 6.3  | 106    | 8.3  | 70      | 10.5 | 50      | 12.5 |
| Prelude 16/30 (N) | 3975   | 1.1 | 1770   | 1.6  | 1000   | 2.24 | 670     | 2.7  | 440     | 3.4  |
| Prelude 16/30 (W) | 2275   | 2.1 | 1010   | 3.1  | 570    | 4.6  | 365     | 5.2  | 250     | 6.9  |
| Prelude 28/40 (N) | 2170   | 2.0 | 965    | 3.0  | 542    | 4.0  | 350     | 5.0  | 240     | 6.0  |
| Prelude 28/40 (W) | 1370   | 2.9 | 610    | 4.3  | 340    | 3.8  | 220     | 7.2  | 150     | 8.7  |

Typical performance based on 650W T26 lamp.

|               | L   | W   | H   | Ⓛ   | Ⓜ   | Ⓝ     | Ⓞ | Ⓟ   | Ⓠ    | i |
|---------------|-----|-----|-----|-----|-----|-------|---|-----|------|---|
| Prelude F     | 225 | 230 | 340 | 3.5 | 4.5 | 0.032 | - | 150 | 1.14 |   |
| Prelude PC    | 235 | 230 | 340 | 3.6 | 4.8 | 0.036 | - | 150 | 1.14 |   |
| Prelude 16/30 | 525 | 230 | 340 | 6.5 | 8.3 | 0.073 | B | 150 | 1.14 |   |
| Prelude 28/40 | 435 | 230 | 340 | 6.3 | 7.7 | 0.065 | B | 150 | 1.14 |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
Ⓝ Packed volume (cu.metres) Ⓞ Gobo (pattern) size Ⓟ Colour filter cut size (mm)  
Ⓠ i Strand data sheet reference number Ⓡ Beam diameter in metres



Cantata 18/32  
& Cantata 26/44

## CANTATA™

FRESNEL, PC SPOT & PROFILE SPOTS  
1000/1200W

- \* Professional spotlight range suitable for theatres, concert halls and touring
- \* Profiles include easy to use rotatable gate assembly
- \* Electrically isolated during lamp replacement
- \* Easy access for lens cleaning
- \* Adjustment between peaky and flat field distribution
- \* Interchangeable lens tubes for added flexibility
- \* Adjustable lampholder assembly allows optional T19 1000W lamp to be used

### Cantata F

Fresnel spotlight giving a powerful soft-edged beam. Screw-action focus provides a variable beam angle between 8.7° and 50.7°.

#### Cat No. Description

|       |   |
|-------|---|
| 12034 | Cantata F, 240V T29 1200W Lamp, 15A Plug    |
| 12033 | Cantata F, 230V T29 1200W Lamp, Schuko Plug |

### Cantata PC

Powerful stage spotlight with a Prism-Convex lens giving a tighter spot and wider range of beam angles than a Fresnel. Screw-action focus adjustment varies the beam angle from 4.5° - 52.7°.

#### Cat No. Description

|       |   |
|-------|---|
| 12044 | Cantata PC, 240V, T29 1200W Lamp, 15A Plug    |
| 12043 | Cantata PC, 230V, T29 1200W Lamp, Schuko Plug |

### Cantata Profile Spots

All Cantata profile spots feature rotatable gates with four integral beam shaping shutters and slot for optional Gobo Holder or Iris Diaphragm. Convenient adjustment for lamp alignment and peaky/flat field beam distribution is also provided. Available in 3 beam angle ranges: 11° to 26°; 18° to 32°; 26° to 44°.

#### Cat No. Description

|       |  |
|-------|--|
| 12054 | Cantata 11/26, 240V, T29 1200W Lamp, 15A Plug    |
| 12053 | Cantata 11/26, 230V, T29 1200W Lamp, Schuko Plug |
| 12064 | Cantata 18/32, 240V, T29 1200W Lamp, 15A Plug    |
| 12063 | Cantata 18/32, 230V, T29 1200W Lamp, Schuko Plug |
| 12074 | Cantata 26/44, 240V, T29 1200W Lamp, 15A Plug    |
| 12073 | Cantata 26/44, 230V, T29 1200W Lamp, Schuko Plug |

### Cantata Accessories

#### Cat No. Description

|       |                                       |
|-------|---------------------------------------|
| 18106 | Barndoor, 4-Leaf Rotating             |
| 18103 | Iris, 18-Leaf                         |
| 18045 | Holder for 'B' Size Gobo              |
| 18104 | Additional Colour Frame, Metal        |
| 18126 | Additional 11° - 26° Lens Tube        |
| 18132 | Additional 18° - 32° Lens Tube        |
| 18144 | Additional 26° - 44° Lens Tube        |
| 55001 | Colour Call Scroller CC1              |
| 82010 | Hook Clamp                            |
| 82000 | Safety Cable, Light Duty (up to 16kg) |

### Replacement Lamps for Cantata

#### Cat No. Description

|       |                              |
|-------|------------------------------|
| 41294 | T29, 1200W, 3050K, 240V Lamp |
| 41293 | T29, 1200W, 3050K, 230V Lamp |

### Cantata PC & Cantata F with Barndoors



#### Supplied with:

1.5m detachable, heat resistant power cable with IEC 320 hot condition connector and Schuko or 15A UK plug; 240V or 230V T29 1200W lamp; Metal Colour Frame.

#### Optional Accessories:

Barndoor for Fresnel/PC Spots and Gobo Holder and 18-leaf Iris for Profile Spots. ColourCall Scroller.

| Throw             | Lux 7.5m |     | Lux 10m |      | Lux 12.5m |      | Lux 15m |      | Lux 20m |      |
|-------------------|----------|-----|---------|------|-----------|------|---------|------|---------|------|
|                   | Lux      | Ø   | Lux     | Ø    | Lux       | Ø    | Lux     | Ø    | Lux     | Ø    |
| Cantata F (N)     | 5296     | 0.8 | 1325    | 1.5  | 847       | 1.9  | 590     | 2.3  | 330     | 2.4  |
| Cantata F (W)     | 710      | 4.7 | 180     | 9.5  | -         | -    | -       | -    | -       | -    |
| Cantata PC (N)    | 7286     | 0.4 | 1955    | 0.8  | 1252      | 1.0  | 870     | 1.2  | 490     | 1.3  |
| Cantata PC (W)    | 569      | 4.9 | 143     | 9.8  | -         | -    | -       | -    | -       | -    |
| Cantata 26/40 (N) | -        | -   | 1110    | 4.6  | 710       | 5.8  | 495     | 6.9  | 275     | 9.2  |
| Cantata 26/40 (W) | 2226     | 4.0 | 560     | 8.0  | 356       | 10.1 | 250     | 12.0 | -       | -    |
|                   |          | 10m | 12.5m   |      | 15m       |      | 20m     |      | 25m     |      |
| Cantata 11/26 (N) | 2770     | 1.9 | 1770    | 2.40 | 1230      | 2.9  | 690     | 3.9  | 440     | 4.8  |
| Cantata 11/26 (W) | 1300     | 4.6 | 830     | 5.77 | 580       | 6.9  | 325     | 9.2  | 210     | 11.5 |
| Cantata 18/32 (N) | 2670     | 3.2 | 1710    | 4.0  | 1190      | 4.8  | 670     | 6.3  | 425     | 7.9  |
| Cantata 18/32 (W) | 1400     | 5.7 | 900     | 7.16 | 625       | 8.6  | 350     | 11.5 | -       | -    |

Typical performance based on 1200W TP29 Lamp.

|               | L   | W   | H   | Ⓜ    | Ⓜ    | Ⓜ     | Ⓜ | Ⓜ   | Ⓜ     | i |
|---------------|-----|-----|-----|------|------|-------|---|-----|-------|---|
| Cantata F     | 320 | 300 | 420 | 5.8  | 7.7  | 0.081 | - | 185 | 1.1.8 |   |
| Cantata PC    | 410 | 300 | 420 | 7.2  | 9.1  | 0.091 | - | 185 | 1.1.8 |   |
| Cantata 26/40 | 582 | 300 | 420 | 11.0 | 13.6 | 0.111 | B | 185 | 1.1.8 |   |
| Cantata 11/26 | 812 | 300 | 420 | 12.8 | 16.1 | 0.146 | B | 185 | 1.1.8 |   |
| Cantata 18/32 | 672 | 300 | 420 | 12.0 | 15.1 | 0.125 | B | 185 | 1.1.8 |   |

L Length W Width H Height Ⓜ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓜ Packed volume (cu.metres) Ⓜ Gobo (pattern) size Ⓜ Colour filter cut size (mm)  
 i Strand data sheet reference number Ø Beam diameter in metres



Alto F



Alto PC

**ALTO™**  
FRESNEL, PC SPOTS & PROFILE SPOTS  
2000/2500W

- \* High output, high specification spotlights for larger venues and opera houses
- \* Mk2 Fresnel and PC-Spot with improved optics and extended filter life
- \* Lightweight but robust housing finished in two tone black/grey
- \* Automatic power disconnection for safe lamp exchange
- \* Improved focus adjustment on Profile Spots
- \* Profiles use reflector optics for high output and peaky/flat field beam distribution adjustment
- \* Rotatable gate assembly standard for profiles
- \* Top or bottom hinged access doors for profile lens cleaning
- \* Profiles fitted with articulated cranked fork to allow steep tilt angles when hung from pipe



Alto 20/38

**Alto F Mk2**

High-power Fresnel spotlight giving an intense soft-edged beam. Front and rear screw-action focus provides a variable beam angle between 7° and 57°.

**Cat No. Description**

|       |   |
|-------|---|
| 12204 | Alto F, 240V CP92 2000W Lamp, 15A Plug    |
| 12203 | Alto F, 230V CP92 2000W Lamp, Schuko Plug |

**Alto PC Mk2**

High-power spotlight giving an intense beam of light with a less diffused edge than a Fresnel. Front and rear screw-action focus provides a variable beam angle between 4° and 58°.

**Cat No. Description**

|       |  |
|-------|--|
| 12214 | Alto PC, 240V CP92 2000W Lamp, 15A Plug    |
| 12213 | Alto PC, 230V CP92 2000W Lamp, Schuko Plug |

**Alto Profile Spots**

Zoom profile spotlights with peak/flat beam adjustment, and variable beam angle ranges of 8° to 16°, 14° to 32° and 20° to 38°.

**Cat No. Description**

|       |   |
|-------|---|
| 12124 | Alto 8/16, 240V CP92 2000W Lamp, 15A Plug     |
| 12123 | Alto 8/16, 230V CP92 2000W Lamp, Schuko Plug  |
| 12134 | Alto 14/32, 240V CP92 2000W Lamp, 15A Plug    |
| 12133 | Alto 14/32, 230V CP92 2000W Lamp, Schuko Plug |
| 12144 | Alto 20/38, 240V CP92 2000W Lamp, 15A Plug    |
| 12143 | Alto 20/38, 230V CP92 2000W Lamp, Schuko Plug |

**Alto Accessories**

**Cat No. Description**

|       |                                |
|-------|--------------------------------|
| 19112 | Barndoor, 4-Leaf Rotating      |
| 18201 | Iris, 18-Leaf                  |
| 18202 | Holder for 'A' Size Gobo       |
| 18203 | Additional Colour Frame, Metal |
| 55001 | Colour Call Scroller CC1       |
| 82011 | Hook Clamp, Heavy Duty         |
| 82001 | Safety Cable, Heavy Duty       |

**Replacement Lamps for Alto**

**Cat No. Description**

|       |                              |
|-------|------------------------------|
| 43924 | CP92 2000W, 3200K, 240V Lamp |
| 43923 | CP92 2000W, 3200K, 230V Lamp |
| 43914 | CP91 2500W, 3200K, 240V Lamp |
| 43913 | CP91 2500W, 3200K, 230V Lamp |

**Supplied with:**

1.5m detachable, heat resistant power cable (3m on profile spots) with Schuko or 15A UK plug; 240V or 230V CP90 2000W 3200K lamp; Metal Colour Frame.

**Optional Accessories:**

Barndoor for Fresnel/PC Spots and Gobo Holder and 18-leaf iris for Profile Spots.

| Throw            | Lux Ø |     | Lux Ø |      | Lux Ø |      | Lux Ø |      | Lux Ø |      |
|------------------|-------|-----|-------|------|-------|------|-------|------|-------|------|
|                  | 7.5m  | 10m | 12.5m | 15m  | 15m   | 20m  | 20m   | 25m  | 25m   | 35m  |
| Alto Fresnel (N) | -     | -   | 3625  | 1.3  | 2320  | 1.6  | 1610  | 1.8  | 900   | 2.6  |
| Alto Fresnel (W) | 600   | 8.1 | 340   | 10.8 | 220   | 13.6 | 152   | -    | -     | -    |
| Alto PC (N)      | -     | -   | 5620  | 0.8  | 3600  | 1.0  | 2500  | 1.2  | 1400  | 1.6  |
| Alto PC (W)      | 510   | 8.3 | 290   | 11.1 | 184   | -    | -     | -    | -     | -    |
| Alto 20/38° (N)  | -     | -   | 2365  | 3.5  | 1510  | 4.4  | 1050  | 5.3  | 600   | 7.0  |
| Alto 20/38° (W)  | 1600  | 5.2 | 900   | 6.9  | 575   | 8.6  | 400   | 10.3 | 225   | 13.7 |
|                  |       | 10m | 12.5m | 15m  | 20m   | 25m  |       |      |       |      |
| Alto 14/32° (N)  | 3945  | 2.5 | 2525  | 3.1  | 1750  | 3.7  | 1000  | 4.9  | 630   | 6.1  |
| Alto 14/32° (W)  | 1350  | 5.7 | 870   | 7.2  | 600   | 8.6  | 340   | 11.5 | 216   | 14.3 |
|                  |       | 15m | 20m   | 25m  | 30m   | 35m  |       |      |       |      |
| Alto 8/16° (N)   | 2770  | 2.1 | 1560  | 2.8  | 1000  | 3.5  | 700   | 4.2  | 500   | 4.9  |
| Alto 8/16° (W)   | 1300  | 4.2 | 730   | 5.6  | 470   | 7.0  | 325   | 8.4  | 240   | 9.8  |

Typical performance based on 2500W CP91 lamp.

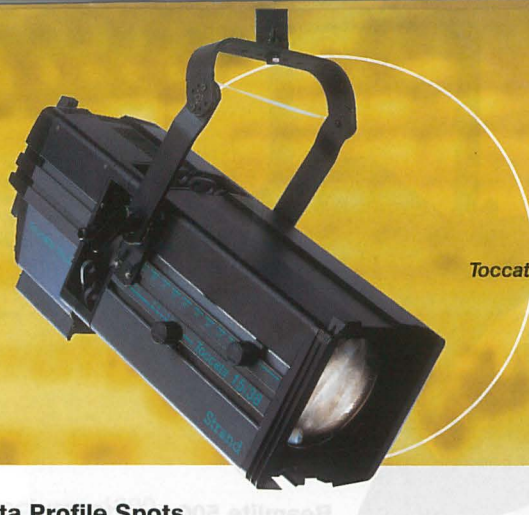
|              | L    | W   | H   | Ⓜ    | Ⓜ    | Ⓜ     | Ⓜ | Ⓜ   | Ⓜ     | i |
|--------------|------|-----|-----|------|------|-------|---|-----|-------|---|
| Alto Fresnel | 417  | 360 | 460 | 11.0 | 12.0 | 0.099 | - | 245 | 1.2.8 |   |
| Alto PC      | 497  | 360 | 460 | 12.0 | 13.0 | 0.114 | - | 245 | 1.2.8 |   |
| Alto 20/38°  | 805  | 360 | 460 | 16.0 | 17.5 | 0.193 | A | 245 | 1.2.8 |   |
| Alto 14/32°  | 995  | 360 | 460 | 17.0 | 18.5 | 0.240 | A | 245 | 1.2.8 |   |
| Alto 8/16°   | 1045 | 360 | 460 | 17.0 | 18.5 | 0.253 | A | 245 | 1.2.8 |   |

L Length W Weight H Height Ⓜ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓜ Packed volume (cu.metres) Ⓜ Gobo (pattern) size Ⓜ Colour filter cut size (mm)  
 i Strand data sheet reference number Ø Beam diameter in metres





Toccata 10/26



Toccata 15/38

## TOCCATA™

LONG THROW CONDENSER OPTICS  
PROFILE SPOTS  
2000/2500W

- \* Condenser optic profile spots in two beam angle versions covering 10° to 38° beam angles
- \* Compact and lightweight
- \* Even, flat beam for accurate cuts and crisp gobo projection
- \* Three plane rotatable gate with six shutter blades ideal for beam sculpture
- \* Articulated 'bridge' fork giving adjustment for mounting either on overstage bridge or hanging from bar
- \* Optional compact fork available for low headroom situations
- \* Automatic double-pole microswitch isolation

### Toccata Profile Spots

Compact and lightweight variable angle condenser optics spotlights with 10° to 26° and 15° to 38° beam angle ranges and even, flat beams.

| Cat No. | Description   |
|---------|---|
| 12153   | Toccata 10/26, 230V 2kW CP92 Lamp, Schuko Plug, Integral Iris |
| 12154   | Toccata 10/26, 240V 2.5kW CP91 Lamp, 15A Plug, Integral Iris  |
| 12163   | Toccata 15/38, 230V 2kW CP92 Lamp, Schuko Plug, Integral Iris |
| 12164   | Toccata 15/38, 240V 2.5kW CP91 Lamp, 15A Plug, Integral Iris  |

### Toccata Accessories

| Cat No. | Description                      |
|---------|----------------------------------|
| 18209   | Toccata 24-Leaf Iris             |
| 18202   | Holder for Size 'A' Gobo         |
| 18203   | Metal Colour Frame 245mm x 245mm |
| 18207   | Bridge Fork Accessory            |
| 18208   | Compact Fork Accessory           |
| 82011   | Hook Clamp, Heavy Duty           |
| 82001   | Safety Cable, Heavy Duty         |
| 55001   | ColourCall Scroller CC1          |

### Replacement Lamps for Toccata

| Cat No. | Description                   |
|---------|-------------------------------|
| 43923   | CP92 Lamp, 2000W, 3200K, 230V |
| 43924   | CP92 Lamp, 2000W, 3200K, 240V |
| 43913   | CP91 Lamp, 2500W, 3200K, 230V |
| 43914   | CP91 Lamp, 2500W, 3200K, 240V |

#### Supplied with:

3m heat resistant power cable with Schuko or 15A UK plug; 240V CP91 2500W 3200K lamp or 230V CP92 2000W 3200K lamp; Metal Colour Frame.

#### Optional Accessories:

Gobo Holder, 24-leaf Iris, alternative compact height fork, ColourCall Scroller.



Optique 8/17

## OPTIQUE™

CONDENSER OPTICS PROFILE SPOTS  
1000/1200W

- \* Two zoom profiles cover a wide beam angle range from 8° to 42°
- \* Smooth flat field is ideal for sharp shutter and gobo projection
- \* High quality lenses for whiter light
- \* Easy to use rotatable gate assembly
- \* Adjustable lamp-holder assembly enables alternative CP70 1000W lamp to be used

### Optique Profile Spots

Variable angle condenser optics profile spotlights with 8° to 17° and 15° to 42° beam angle for sharp projection of gobos and shutter edges.

| Cat No. | Description                                       |
|---------|---|
| 12014   | Optique 8/17, 240V CP90, 1200W Lamp, 15A Plug     |
| 12013   | Optique 8/17, 230V CP90, 1200W Lamp, Schuko Plug  |
| 12024   | Optique 15/42, 240V CP90, 1200W Lamp, 15A Plug    |
| 12023   | Optique 15/42, 230V CP90, 1200W Lamp, Schuko Plug |

### Optique Accessories

| Cat No. | Description                           |
|---------|---------------------------------------|
| 18103   | Iris, 18-Leaf                         |
| 18100   | Holder for M-Size Gobo                |
| 18104   | Additional Colour Frame, Metal        |
| 55001   | ColourCall Scroller CC1               |
| 82010   | Hook Clamp                            |
| 82000   | Safety Cable, Light Duty (up to 16kg) |

#### Supplied with:

1.5m detachable, heat resistant power cable with IEC 320 hot condition connector and Schuko or 15A UK plug; 240V or 230V CP90 1200W 3200K lamp; Metal Colour Frame.

#### Optional Accessories:

Gobo Holder and 18-leaf iris and ColourCall Scroller.

### Replacement Lamps for Optique

| Cat No. | Description                   |
|---------|-------------------------------|
| 43904   | CP90, 1200W, 3200K, 240V Lamp |
| 43903   | CP90, 1200W, 3200K, 230V Lamp |

| Throw             | Lux  |     | Ø    |      | Lux  |      | Ø   |      | Lux |      | Ø   |  |
|-------------------|------|-----|------|------|------|------|-----|------|-----|------|-----|--|
|                   | 12m  | 15m | 15m  | 20m  | 20m  | 25m  | 25m | 30m  | 30m | 30m  | 30m |  |
| Toccata 10/26 (N) | 4236 | 2.1 | 2711 | 2.6  | 1525 | 3.5  | 976 | 4.4  | 678 | 5.2  |     |  |
| Toccata 10/26 (W) | 798  | 5.5 | 511  | 6.9  | 288  | 9.2  | 184 | 11.5 | 128 | 13.9 |     |  |
| Toccata 15/38 (N) | 2361 | 3.2 | 1555 | 3.9  | 875  | 5.3  | 560 | 6.6  | 389 | 7.9  |     |  |
| Toccata 15/38 (W) | 472  | 8.3 | 302  | 10.3 | 170  | 13.8 | 108 | 17.2 | 76  | 20.7 |     |  |

Typical performance based on 2500W CP91 lamp.

| Throw             | Lux  |     | Ø    |     | Lux  |      | Ø   |     | Lux |      | Ø   |  |
|-------------------|------|-----|------|-----|------|------|-----|-----|-----|------|-----|--|
|                   | 5m   | 10m | 10m  | 15m | 15m  | 20m  | 20m | 25m | 25m | 30m  | 30m |  |
| Optique 8/17 (N)  | -    | -   | 3550 | 1.4 | 1577 | 2.1  | 888 | 2.8 | 570 | 3.59 |     |  |
| Optique 8/17 (W)  | 3840 | 1.5 | 960  | 3.0 | 427  | 4.5  | 240 | 6.0 | -   | -    |     |  |
| Optique 15/42 (N) | 4400 | 1.3 | 1100 | 2.6 | 490  | 3.9  | 180 | 5.2 | -   | -    |     |  |
| Optique 15/42 (W) | 960  | 3.8 | 240  | 7.7 | 70   | 11.5 | -   | -   | -   | -    |     |  |

Typical performance based on 1200W CP90 lamp.

|               | L   | W   | H   | Ⓛ    | Ⓜ    | Ⓝ     | Ⓟ | Ⓠ   | Ⓡ     | Ⓢ | i |
|---------------|-----|-----|-----|------|------|-------|---|-----|-------|---|---|
| Toccata 10/26 | 890 | 380 | 330 | 20.5 | 29.0 | 0.258 | A | 245 | 1.2.9 |   |   |
| Toccata 15/38 | 780 | 380 | 330 | 19.8 | 25.5 | 0.237 | A | 245 | 1.2.9 |   |   |
| Optique 8/17  | 795 | 295 | 470 | 12.8 | 15.9 | 0.155 | M | 185 | 1.2.3 |   |   |
| Optique 15/42 | 685 | 295 | 470 | 12.4 | 15.4 | 0.128 | M | 185 | 1.2.3 |   |   |

L Length W Weight H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓝ Packed volume (cu.metres) Ⓟ Gobo (pattern) size Ⓠ Colour filter cut size (mm)  
 i Strand data sheet reference number Ø Beam diameter in metres

Beamlite 1000



**Supplied with:**

Integral 24V toroidal transformer and 1.5m heat resistant power cable with Schuko or 15A UK plug; 24V 500W E40 base or 1000W K39d base lamp; Card colour frame.



Nocturne 500W & 1000W

**Supplied with:**

1.5m heat resistant cable with Schuko plug; 230V or 240V 500W K1 or 1000W K4 lamp; Wire safety mesh; Metal colour frame.

**Optional Accessories:**  
Barndoors for both models.

**BEAMLITES™**  
24V BEAM PROJECTORS  
500/1000W

- \* High-intensity narrow angle beam
- \* Ideal for 'near parallel' lighting effect in larger venues, or as a soft-edged followspot
- \* Compact housing in black finish with integral toroidal transformer
- \* Integral spill rings
- \* Beam adjustment by means of convenient rear knob

**Beamlite 500 and 1000**

Narrow-angle low-voltage beamlight for medium throw applications.

| Cat No. | Description  |
|---------|--|
| 13013   | Beamlite 500, 500W 24V E40 Base Lamp, Schuko Plug    |
| 13023   | Beamlite 1000, 1000W 24V K39d Base Lamp, Schuko Plug |

**Beamlite Accessories**

| Cat No. | Description                            |
|---------|--|
| 18301   | Additional Colour Frame, Beamlite 500  |
| 18302   | Additional Colour Frame, Beamlite 1000 |
| 82011   | Hook Clamp, Heavy Duty                 |
| 82001   | Safety Cable, Heavy Duty               |

**Replacement Lamps for Beamlite**

| Cat No. | Description              |
|---------|--------------------------|
| 45001   | 500W 24V E40 Base Lamp   |
| 45002   | 1000W 24V K39d Base Lamp |

**CODA™**  
CYCLIGHT  
500W

- \* Single unit and three or four compartment cyclorama floodlights with wide asymmetric distribution
- \* Gives even coverage of backcloths and cyclorama in theatres and small studios
- \* Coda 1 is also available in 1000W version
- \* 500W version takes 118mm range of double ended lamps. 1000W version takes 189mm range
- \* Spring tensioned colour frame for good filter life. Outrig colour frame accessory available for saturated colour use on 1000W model



Coda 4

| Height from Stage      | 1m   | 2m   | 3m   | 4m   | 5m   | 6m  |
|------------------------|------|------|------|------|------|-----|
| <b>Coda 500</b>        | 480  | 760  | 990  | 1000 | 1000 | 700 |
| <b>Hanging at 5.5m</b> |      |      |      |      |      |     |
| <b>Coda 1000</b>       | 2050 | 1760 | 1100 | 580  | 360  | 270 |
| <b>Floor Mounted</b>   |      |      |      |      |      |     |

Cyclorama illumination based on K1 500W lamps in units 1.5m from cyclorama and 1.5m lateral spacing.

|                  | L   | W   | H   | Ⓛ            | Ⓜ            | Ⓜ                 | Ⓜ         | Ⓜ     | i |
|------------------|-----|-----|-----|--------------|--------------|-------------------|-----------|-------|---|
| <b>Coda 500</b>  | 300 | 250 | 300 | 3.7/8.1/10.1 | 4.6/9.7/12.5 | 0.030/0.078/0.102 | 215 x 240 | 1.4.3 |   |
| <b>Coda 1000</b> | 320 | 270 | 380 | 4.3          | 4.8          | 0.035             | 285 x 240 | 1.4.3 |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
Ⓜ Packed volume (cu.metres) Ⓜ Colour filter cut size (mm) i Strand data sheet reference number Ⓜ Beam diameter in metres



## NOCTURNE™

### FLOODLIGHTS

500/1000W

- \* Single unit symmetric distribution floodlight giving wide even lighting
- \* Ideal for general internal floodlighting tasks in theatres and small studios
- \* 500W version takes 118mm range of double ended lamps. 1000W version takes 189mm range
- \* Spring tensioned colour frame for good filter life. Outrig colour frame accessory available for saturated colour use on 1000W model

#### Nocturne 500

Wide-angle, general purpose single unit 500W floodlight.

##### Cat No. Description

|       |                                       |
|-------|---------------------------------------|
| 14104 | Nocturne 500W, 240V Lamp, 15A Plug    |
| 14103 | Nocturne 500W, 230V Lamp, Schuko Plug |

#### Coda 500

Wide-angle 500W floodlight in single, 3 or 4 compartment units for even top or bottom lighting of up to 6m cycloramas when used 1.5m from backdrop, and on 1.5m centres.

##### Cat No. Description

|       |   |
|-------|---|
| 14014 | Coda 500/1 500W Cyc light, 240V Lamp, 15A Plug    |
| 14013 | Coda 500/1 500W Cyc light, 230V Lamp, Schuko Plug |
| 14034 | Coda 500/3 500W, 3-unit, 240V Lamp                |
| 14033 | Coda 500/3 500W, 3-unit, 230V Lamp                |
| 14044 | Coda 500/4 500W, 4-unit, 240V Lamp                |
| 14043 | Coda 500/4 500W, 4-unit, 230V Lamp                |

#### Coda 1000

Wide-angle 1000W single unit floodlight for even top or bottom lighting of cycloramas.

##### Cat No. Description

|       |  |
|-------|--|
| 14024 | Coda 1000W Cyc light, 240V Lamp, 15A Plug    |
| 14023 | Coda 1000W Cyc light, 230V Lamp, Schuko Plug |

#### Nocturne 1000

Wide-angle, general purpose single unit 1000W floodlight.

##### Cat No. Description

|       |  |
|-------|--|
| 14114 | Nocturne 1000W, 240V Lamp, 15A Plug    |
| 14113 | Nocturne 1000W, 230V Lamp, Schuko Plug |

#### Nocturne Accessories

##### Cat No. Description

|       |                                |
|-------|--------------------------------|
| 18121 | Barndoor, 500W                 |
| 18122 | Barndoor, 1000W                |
| 18123 | Additional Colour Frame, 500W  |
| 18124 | Additional Colour Frame, 1000W |
| 18125 | Outrig Colour Frame, 1000W     |
| 82010 | Hook Clamp                     |

#### Replacement Lamps for Nocturne

##### Cat No. Description

|       |                            |
|-------|----------------------------|
| 44014 | K1 500W, 2900K, 240V Lamp  |
| 44013 | K1 500W, 2900K, 230V Lamp  |
| 44044 | K4 1000W, 3050K, 240V Lamp |
| 44043 | K4 1000W, 3050K, 230V Lamp |

#### Coda Accessories

##### Cat No. Description

|       |  |
|-------|--|
| 18121 | Barndoor, 500W                         |
| 18122 | Barndoor, 1000W                        |
| 18123 | Additional Colour Frame, 500W          |
| 18124 | Additional Colour Frame, 1000W         |
| 18125 | Outrig Colour Frame 1000W              |
| 83100 | Cable Gland, Coda 3 & 4 Cyc lights     |
| 83010 | 9 core 1.5mm Cable, (per m) Coda 3 & 4 |
| 82010 | Hook Clamp                             |
| 82000 | Safety Cable, Light Duty (up to 16kg)  |

#### Replacement Lamps for Coda

##### Cat No. Description

|       |                            |
|-------|----------------------------|
| 44014 | K1 500W, 2900K, 240V Lamp  |
| 44013 | K1 500W, 2900K, 230V Lamp  |
| 44044 | K4 1000W, 3050K, 240V Lamp |
| 44043 | K4 1000W, 3050K, 230V Lamp |



#### Iris 1

For further information on Iris refer to page 34.

#### Supplied with:

1.5m heat resistant cable with 15A UK or Schuko plug; 230V or 240V 500W K1 or 1000W K4 lamp; Wire safety mesh; Metal colour frame.

#### Optional Accessories:

Barndoors for single compartment models; Outrig colour frame for 1000W model.

| Throw                | Lux 10m |     | Lux 15m |     | Lux 20m |     | Lux 25m |     | Lux 30m |     |
|----------------------|---------|-----|---------|-----|---------|-----|---------|-----|---------|-----|
|                      | Ø       | Ø   | Ø       | Ø   | Ø       | Ø   | Ø       | Ø   | Ø       | Ø   |
| <b>Beamlite 500</b>  | 6720    | 0.7 | 2987    | 1.1 | 1680    | 1.5 | 1075    | 1.8 | 746     | 2.2 |
| <b>Beamlite 1000</b> | 15500   | 0.8 | 3875    | 1.6 | 1722    | 2.5 | 969     | 3.3 | 620     | 4.1 |

Typical performance based on 500W E40 24V lamp (Beamlite 500) and 1000W K39d 24V lamp (Beamlite 1000).

|                      | 1m   |     | 2m   |     | 3m  |     | 4m  |     | 5m  |     |
|----------------------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|
|                      | Ø    | Ø   | Ø    | Ø   | Ø   | Ø   | Ø   | Ø   | Ø   | Ø   |
| <b>Nocturne 500</b>  | 4232 | 1.2 | 1028 | 2.3 | 470 | 3.5 | 264 | 4.7 | 169 | 5.8 |
| <b>Nocturne 1000</b> | 2074 | 2.7 | 922  | 4.1 | 518 | 5.5 | 331 | 6.8 | 230 | 8.2 |

Typical performance based on 500W K1 240V lamp (Nocturne 500) and 1000W K4 240V lamp (Nocturne 1000).

|                      | L   | W   | H   | ⚡    | 📦    | 📦     | ⚡   | i     |
|----------------------|-----|-----|-----|------|------|-------|-----|-------|
| <b>Beamlite 500</b>  | 420 | 350 | 385 | 13.0 | 15.7 | 0.102 | 245 | 1.3.1 |
| <b>Beamlite 1000</b> | 480 | 375 | 475 | 17.0 | 22.9 | 0.139 | 365 | 1.3.1 |
| <b>Nocturne 500</b>  | 210 | 280 | 320 | 3.7  | 4.5  | 0.027 | 214 | 1.4.3 |
| <b>Nocturne 1000</b> | 210 | 350 | 320 | 4.3  | 5.0  | 0.033 | 285 | 1.4.3 |

L Length W Width H Height ⚡ Weight of product (kg) 📦 Packed weight (kg)  
 📦 Packed volume (cu metres) ⚡ Colour filter cut size (mm) i Strand data sheet reference number Ø Beam diameter in metres



Pirouette

**PIROUETTE™**  
AUTOMATED SPOTLIGHT  
2500/2000/1200W

- \* Brings affordable precision remote control of position and beam spread using familiar theatre lighting techniques
- \* Optimises tightly packed rigs and exploits difficult to access locations
- \* Exceptional stage coverage with over 360° of horizontal rotation, 270° of vertical adjustment and beam angle range of 4° to 58°
- \* 2500W, 2000W or 1200W PC Spot or Fresnel performance for full flexibility
- \* Controllable from any DMX control desk but optimised for use with GeniusPro console range or Galaxy desks with MRL motion control option

**Pirouette**

Designed to make the most effective use of tightly packed rigs and difficult or dangerous to access locations. Pirouette facilitates more effective use of many theatrical and multi-purpose venues. Using the latest in process control technology, smooth and reliable positioning and focusing is guaranteed.

Pirouette is supplied as a PC Spot for optimum flexibility in most applications and is ready to take either 2500W CP91 or 2000W CP92 lamps. If a crisper beam quality is preferred the PC lens can be exchanged for the fresnel lens supplied. A kit is also provided to allow an alternative 1200W CP93 lamp to be fitted.

The yoke contains all the control electronics and 5-pin XLR socket for connection to a DMX or MRL control input. Set up functions are accessed through a four character display and keys. All cabling is tidily managed through the yoke/support interface and a unique mounting arrangement also overcomes the need for a separate safety cable.

**Pirouette needs to be planned as a complete installation with data distribution boxes and data/power cabling. Please consult your Strand distributor for assistance.**



| Cat No. | Description                 |
|---------|-----------------------------|
| 17502   | Pirouette Complete Kit      |
| 17550   | 4-way Power Supply Unit     |
| 55103   | Data/Power Cable 3m (10')   |
| 55105   | Data/Power Cable 5m (16.5') |
| 17651   | Programming adapter cable   |

| Throw            | Lux 7.5m |     | Lux 10m |      | Lux 12.5m |      | Lux 15m |     | Lux 20m |     |
|------------------|----------|-----|---------|------|-----------|------|---------|-----|---------|-----|
|                  | L        | W   | L       | W    | L         | W    | L       | W   | L       | W   |
| Pirouette PC (N) | -        | -   | 5620    | 0.8  | 3600      | 1.0  | 2500    | 1.2 | 1400    | 1.6 |
| Pirouette PC (W) | 510      | 6.3 | 290     | 11.1 | 184       | -    | -       | -   | -       | -   |
| Pirouette F (N)  | -        | -   | 3625    | 1.3  | 2320      | 1.8  | 1610    | 1.8 | 900     | 2.6 |
| Pirouette F (W)  | 600      | 6.1 | 340     | 10.6 | 220       | 13.6 | 152     | -   | -       | -   |

Typical performance based on 2500W lamp.

|                  |      |      |      |     |      |      |      |      |     |     |
|------------------|------|------|------|-----|------|------|------|------|-----|-----|
| Pirouette PC (N) | 5895 | 2    | 3316 | 2.7 | 2122 | 3.4  | 1474 | 4    | 829 | 5.5 |
| Pirouette PC (W) | 212  | 25   | 119  | 34  | 76   | 42.5 | 53   | 51   | 30  | 68  |
| Pirouette F (N)  | 4650 | 3.2  | 2615 | 4.3 | 1674 | 5.35 | 1162 | 6.42 | 654 | 8.5 |
| Pirouette F (W)  | 378  | 23.2 | 213  | 31  | 136  | 39   | 95   | 46.5 | 53  | 62  |

Typical performance based on 1200W lamp.

|              | L   | W   | H   | Ⓛ    | Ⓜ    | Ⓝ     | Ⓟ   | Ⓡ | i |
|--------------|-----|-----|-----|------|------|-------|-----|---|---|
| Pirouette PC | 520 | 460 | 700 | 15.5 | 20.0 | 0.350 | 245 | - | - |
| Pirouette PC |     |     |     |      |      |       |     |   |   |
| Pirouette F  | 520 | 460 | 700 | 15.0 | 20.0 | 0.350 | 245 | - | - |
| Pirouette F  |     |     |     |      |      |       |     |   |   |

|              |     |     |     |      |      |       |     |   |   |
|--------------|-----|-----|-----|------|------|-------|-----|---|---|
| Pirouette PC | 520 | 460 | 700 | 15.5 | 20.0 | 0.350 | 245 | - | - |
| Pirouette PC |     |     |     |      |      |       |     |   |   |
| Pirouette F  | 520 | 460 | 700 | 15.0 | 20.0 | 0.350 | 245 | - | - |
| Pirouette F  |     |     |     |      |      |       |     |   |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓝ Packed volume (cu.metres) Ⓟ Colour filter cut size (mm)  
 i Strand data sheet reference number Ⓡ Beam diameter in metres F Flood S Spot



Colour Call CC1

## COLOUR CALL™ COLOUR SCROLLERS

- \* Colour scroller for use with theatre and studio spotlights and Pirouette automated luminaires
- \* Available in two sizes: CC1 for up to 2.5kW spotlights CC2 for 2 to 5kW studio Fresnels
- \* Two speed fan for extended filter life or ultra quiet mode
- \* 24V DC powered with secure 5 wire power and data distribution system
- \* Variable scroll length up to 16 frames
- \* Local control for gel replacement, set-up and for on board auto cycling mode
- \* Fast scroll speed of up to 11 frames in one second
- \* Stepless slow fades up to 4 minutes possible with Pirouette
- \* Accessory holder for diffusion filter or barndoor attachment

### Colour Call Scrollers

Strand Colour Call Scrollers provide trouble free colour changing of up to 16 colours. The two models are designed to be used in conjunction with Strand's theatre and studio spotlights and their reliability has been established in the testing conditions of professional shows around the world. The units operate from a 5 wire system providing control integrity by separating the 24V power supply from the DMX or PALS MRL data signals.

The power/data distribution system comprises power supplies, splitter boxes and power/data cables. A standard 11 frame gel string is available as an option for both sizes of Colour Call.

| Cat No. | Description                                    |
|---------|--|
| 55001   | Colour Call Scroller CC1                       |
| 55002   | Colour Call Scroller CC2 (2/5kW size) with Fan |

### Colour Call Accessories

| Cat No. | Description  |
|---------|--|
| 55024   | Colour Call 24 Unit Power Supply, 230V, (up to 24 CC1 or 12 CC2), with 1m (3.3') 24V Power Cable (PSU to Splitter Box) |
| 55025   | Colour Call 24 Unit Power Supply, 115V, (up to 24 CC1 or 12 CC2), with 1m (3.3') 24V Power Cable (PSU to Splitter Box) |
| 55030   | Digital Splitter Box, Colour Call, max 24 CC1  |
| 55050   | Data/Power Cable, Unterminated, Colour Call, per metre ('Daisy-chain' Cable), 100m min                                 |
| 55103   | Data/Power Cable, Colour Call, 3m (10') ('Daisy-chain' Cable)  |
| 55105   | Data/Power Cable, Colour Call, 5m (16.5') ('Daisy-chain' Cable)  |
| 55110   | Data/Power Cable, Colour Call, 10m (33') ('Daisy-chain' Cable)   |
| 55115   | Data/Power Cable, Colour Call, 15m (50') ('Daisy-chain' Cable)   |
| 55120   | Data/Power Cable, Colour Call, 20m (66') ('Daisy-chain' Cable)   |
| 55125   | Data/Power Cable, Colour Call, 25m (82.5') ('Daisy-chain' Cable)   |

| Cat No. | Description   |
|---------|---|
| 55124   | 24V Colour Call Power Cable, 5m (16.5') (PSU to Splitter Box) |
| 55031   | Additional CC1 Backplate to fit Cantata, Leko 6'              |
| 55041   | Additional CC1 Backplate to fit Alto, Toccata                 |
| 55051   | CC1 Backplate to fit Parcans and Leko 10'                     |
| 55061   | CC1 Backplate to fit Leko 6' only                             |
| 55101   | Filter 'Gel' String for CC1                                   |
| 55102   | Filter 'Gel' String for CC2                                   |
| 55199   | Gel Templates, Colour Call CC1                                |
| 55150   | Heat Resistant Sticky Tape                                    |
| 55151   | Additional Bobbin with tensioning spring                      |
| 55152   | Additional Bobbin without tensioning spring                   |

|                       | V      | A                      | Control          | Overall dimension of product (mm)             | Weight of product (kg) | Packed weight (kg)     | Packed volume (cu.metres)                      | i     |
|-----------------------|--------|------------------------|------------------|---|------------------------|------------------------|--|-------|
| Colour Call Scrollers | 24V DC | 0.3A (CC1), 0.7A (CC2) | DMX512, PALS MRL | 335 x 305 x 88 (CC1)<br>520 x 580 x 100 (CC2) | 2.0 (CC1)<br>5.0 (CC2) | 2.5 (CC1)<br>6.0 (CC2) | 390 x 320 x 100 (CC1)<br>850 x 550 x 250 (CC2) | 5.2.1 |

V Supply voltage A Current rating in amps Control Control protocol Overall dimension of product (mm) Weight of product (kg) Packed weight (kg) Packed volume (cu.metres)  
i Strand data sheet reference number

**Supplied with:**

Head mounted toggle switch and 7m of 1.5sq mm heat resistant cable; 4-leaf rotating barndoor; Colour frame.

**Optional Accessories:**  
Scrim set; Cones; 8-leaf rotating barndoor.



**POLARIS™**  
STUDIO FRESNELS  
1000/1200W

- \* Compact 1000W studio fresnel with ability to take 1200W lamp
- \* Suitable for key and backlight in small to medium studios
- \* High quality optical design to give excellent smooth beam over a wide range of beam angles
- \* Proven mechanical design for ease and reliability of use
- \* Manual or pole-operated versions available, both fitted with universal 29mm spigot designed to interface with DIN and BS sockets
- \* Pole-operated versions include friction clutches to allow override of pan and tilt

**Castor 2000/2500W Fresnel**

Popular general purpose keylight and backlight with 250mm diameter lens in manual or pole-operated variants. Designed for 2000W CP41 lamp but can also take 2500W CP94.

**Cat No. Description**

|       |                                     |
|-------|-------------------------------------|
| 26300 | Castor 2000/2500W, Manual Operation |
| 26310 | Castor 2000/2500W, Pole Operation   |

**Castor 1.25/2.5kW Fresnel**

Variant of standard 2000W Castor fitted with 4-pin lampholders to take dual filament lamp for extra flexibility. The 4-pin CP30 lamp has two 1.25kW filaments which may be separately switched to provide 1.25kW or 2.5kW output.

**Cat No. Description**

|       |                                     |
|-------|-------------------------------------|
| 26320 | Castor 1.25/2.5kW, Manual Operation |
| 26330 | Castor 1.25/2.5kW, Pole Operation   |

**Castor Accessories**

**Cat No. Description**

|       |   |
|-------|---|
| 28306 | Scrim Set No.6 (full & half 50%; full & half 66%) |
| 28090 | Cone 110mm  |
| 28091 | Cone 150mm  |
| 28092 | Cone 195mm  |
| 28093 | Additional Colour Frame                           |
| 28070 | Additional Barndoor, 4-Leaf Rotating              |
| 28071 | Barndoor, 8-Leaf Rotating                         |
| 28072 | Outrig Colour Frame                               |
| 28079 | Outrig Conversion Kit                             |
| 82002 | Safety Bond, 50kg                                 |
| 82012 | TV-Hook Clamp for 48mm barrels                    |
| 82013 | TV-Hook Clamp for 32-62mm barrels                 |
| 81011 | Hercules Stand, Black with Castors                |
| 81022 | Atlas Stand with Castors                          |

**Lamps for Castor**

**Cat No. Description**

|       |                              |
|-------|------------------------------|
| 43944 | 2500W, 240V, CP94 Lamp       |
| 43943 | 2500W, 230V, CP94 Lamp       |
| 43414 | 2000W, 240V, CP41 Lamp       |
| 43413 | 2000W, 230V, CP41 Lamp       |
| 43304 | 1.25/1.25kW 240V, CP30 Lamp  |
| 43303 | 1.25/1.25kW, 230V, CP30 Lamp |

**Polaris 1000/1200W Fresnel**

Compact tungsten-halogen fresnel designed to take CP40 1000W lamp but can also accept CP93 1200W and CP39 650W lamps. 150mm lens gives beam range of 9°- 59.5°. Supplied as manual operated or with pole operation of pan, tilt and focus.

**Cat No. Description**

|       |                                      |
|-------|--------------------------------------|
| 26280 | Polaris 1000/1200W, Manual Operation |
| 26290 | Polaris 1000/1200W, Pole Operation   |

**Polaris Accessories**

**Cat No. Description**

|       |   |
|-------|---|
| 28305 | Scrim Set No.5 (full & half 50%; full & half 66%) |
| 28083 | Cone 55mm   |
| 28084 | Cone 75mm   |
| 28085 | Cone 105mm  |
| 28086 | Additional Colour Frame                           |
| 28110 | Additional Barndoor, 4-Leaf Rotating              |
| 28111 | Barndoor, 8-Leaf Rotating                         |
| 28113 | Outrig Colour Frame                               |
| 82002 | Safety Bond, 50kg                                 |
| 82012 | TV-Hook Clamp for 48mm barrels                    |
| 82013 | TV-Hook Clamp for 32-62mm barrels                 |
| 81011 | Hercules Stand, Black with Castors                |
| 81022 | Atlas Stand, with Castors                         |
| 82140 | Operating Pole Adjustment 1.4m - 4m               |

**Lamps for Polaris**

**Cat No. Description**

|       |                        |
|-------|------------------------|
| 43934 | 1200W, 240V, CP93 Lamp |
| 43933 | 1200W, 230V, CP93 Lamp |
| 43404 | 1000W, 240V, CP40 Lamp |
| 43043 | 1000W, 230V, CP40 Lamp |
| 43394 | 650W, 240V, CP39 Lamp  |
| 43393 | 650W, 230V, CP39 Lamp  |

**Supplied with:**

Rotary power switch and 7m of 2.5 sq mm heat resistant cable; 4-leaf rotating barndoor; colour frame.

**Optional Accessories:**  
Scrim set; Cones; Outrig colour frame; 8-leaf rotating barndoor.



Castor 2000W

**CASTOR™**  
STUDIO FRESNELS  
2000/2500W

- \* Compact 2000W studio fresnel with ability to take 2500W lamp
- \* Dual filament 1.25/2.5 kW lamp version also available
- \* 250mm diameter lens gives excellent smooth beam over a wide range of beam angles
- \* Proven mechanical design for ease and reliability of use
- \* Manual or pole-operated versions available, both fitted with universal 29mm spigot designed to interface with DIN and BS sockets
- \* Pole-operated versions include friction clutches to allow override of pan and tilt
- \* Pole-operated power switch also provides switching between filaments on dual filament model

| Throw             | Lux 5m |     | Lux 7.5m |     | Lux 10m |      | Lux 12.5m |     | Lux 15m |     |
|-------------------|--------|-----|----------|-----|---------|------|-----------|-----|---------|-----|
|                   | Ø      | Ø   | Ø        | Ø   | Ø       | Ø    | Ø         | Ø   | Ø       | Ø   |
| Polaris (F 59.5°) | 715    | 5.7 | 320      | 8.6 | 180     | 11.4 | -         | -   | -       | -   |
| Polaris (S 9°)    | -      | -   | 2190     | 1.2 | 1230    | 1.6  | 790       | 2.0 | 550     | 2.4 |

Typical performance based on 1000W CP40 lamp.

| Castor           | 7.5m |     | 10m  |      | 12.5m |      | 15m  |      | 17.5m |     |
|------------------|------|-----|------|------|-------|------|------|------|-------|-----|
|                  | Ø    | Ø   | Ø    | Ø    | Ø     | Ø    | Ø    | Ø    | Ø     | Ø   |
| Castor (F 45.5°) | 880  | 6.2 | 493  | 8.3  | 315   | 10.4 | 220  | 12.5 | -     | -   |
| Castor (S 8.5°)  | -    | -   | 3470 | 1.48 | 2220  | 1.85 | 1540 | 2.2  | 1130  | 2.6 |

Typical performance based on 2000W CP41 lamp.

|         | L   | W   | H   | Ⓜ   | Ⓜ    | Ⓜ     | Ⓜ   | Ⓜ    | i |
|---------|-----|-----|-----|-----|------|-------|-----|------|---|
| Polaris | 290 | 320 | 425 | 6.0 | 10.5 | 0.070 | 230 | 2.12 |   |

|        |     |     |     |      |      |       |     |      |  |
|--------|-----|-----|-----|------|------|-------|-----|------|--|
| Castor | 360 | 420 | 448 | 13.5 | 17.5 | 0.118 | 320 | 2.12 |  |
|--------|-----|-----|-----|------|------|-------|-----|------|--|

L Length W Width H Height Ⓜ Weight of product (kg) Ⓜ Packed weight (kg)  
Ⓜ Packed volume (cu metres) Ⓜ Accessory size i Strand data sheet reference number  
Ⓜ Beam diameter in metres F Flood S Spot

**POLLUX™**  
STUDIO FRESNELS  
5000W

Pollux 5000W



- \* Powerful, lightweight 5000W studio fresnel
- \* Dual filament version available for 2.5kW/2.5kW or 1.25kW/2.5kW lamp
- \* 300mm diameter lens gives excellent smooth beam over a wide range of beam angles
- \* Proven mechanical design for ease and reliability of use
- \* Manual or pole-operated versions available, both fitted with universal 29mm spigot designed to interface with DIN and BS sockets
- \* Pole-operated versions include friction clutches to allow override of pan and tilt
- \* Pole-operated power switch also provides switching between filaments on dual filament model



**Supplied with:**

Rotary power switch and 7m of 2.5sq mm heat resistant cable; 4-leaf rotating barndoor; colour frame.

**Optional Accessories:**

Scrim set; Cones; Outrig colour frame; 8-leaf rotating barndoor.

**Supplied with:**

Rotary power switch and 7m of 2.5sq mm heat resistant cable; 4-leaf rotating barndoor; colour frame.

**Optional Accessories:**

Scrim set; Cones; Outrig colour frame; 8-leaf rotating barndoor.

**Pollux 5000W Fresnel**

Powerful lightweight Fresnel with 300mm diameter lens suitable for studio or location lighting in Films/Television. Available in manual or pole-operated variants.

**Cat No. Description**

|       |                                |
|-------|--------------------------------|
| 26340 | Pollux 5000W, Manual Operation |
| 26350 | Pollux 5000W, Pole Operation   |

**Pollux 2.5/5kW Fresnel**

Variant of standard 5000W Pollux fitted with 4-pin lampholders to take dual filament lamps for extra flexibility. The 4-pin CP32 lamp has two 2.5kW filaments, the CP58 lamp has 1.25kW and 2.5kW filaments and the CP30 has two 1.25kW filaments.

**Cat No. Description**

|       |                                  |
|-------|----------------------------------|
| 26360 | Pollux 2.5/5kW, Manual Operation |
| 26370 | Pollux 2.5/5kW, Pole Operation   |

**Pollux Accessories**

**Cat No. Description**

|       |   |
|-------|---|
| 28307 | Scrim Set No.7 (full & half 50%; full & half 66%) |
| 28094 | Cone 155mm  |
| 28095 | Cone 225mm  |
| 28096 | Cone 275mm  |
| 28072 | Outrig Colour Frame                               |
| 28097 | Additional Colour Frame                           |
| 28074 | Additional Barndoor, 4-Leaf Rotating              |
| 28075 | Barndoor, 8-Leaf Rotating                         |

**Replacement Lamps for Pollux**

**Cat No. Description**

|       |                              |
|-------|------------------------------|
| 43294 | 5000W, 240V, CP29 Lamp       |
| 43293 | 5000W, 230V, CP29 Lamp       |
| 43324 | 2.5/2.5kW, 240V, CP32 Lamp   |
| 43323 | 2.5/2.5kW, 230V, CP32 Lamp   |
| 43584 | 1.25/2.5kW, 240V, CP58 Lamp  |
| 43583 | 1.25/2.5kW, 230V, CP58 Lamp  |
| 43304 | 1.25/1.25kW, 240V, CP30 Lamp |
| 43303 | 1.25/1.25kW, 230V, CP30 Lamp |

**VEGA™**  
STUDIO FRESNELS  
10KW

- \* High power fresnel for the larger TV and film studios and location work
- \* 350mm diameter lens for excellent smooth beam over a wide range of beam angles
- \* Stainless steel construction for reliability and improved use
- \* Manual or pole-operated versions available, both fitted with universal 29mm spigot designed to interface with DIN and BS sockets
- \* Pole-operated versions include friction clutches to allow override of pan and tilt



Vega 10kW

**Vega 10kW Fresnel**

High-wattage studio Fresnel with 350mm diameter lens for Film and Television applications in studios or on location. Available in manual or pole operated variants.

**Cat No. Description**

|       |                             |
|-------|-----------------------------|
| 26380 | Vega 10kW, Manual Operation |
| 26390 | Vega 10kW, Pole Operation   |

**Vega 10kW Accessories**

**Cat No. Description**

|       |   |
|-------|---|
| 28307 | Scrim Set No.7 (full & half 50%; full & half 66%) |
| 28094 | Cone 155mm  |
| 28095 | Cone 225mm  |
| 28096 | Cone 275mm  |
| 28072 | Outrig Colour Frame                               |
| 28097 | Additional Colour Frame                           |
| 28074 | Additional Barndoor, 4-Leaf Rotating              |
| 28075 | Barndoor, 8-Leaf Rotating                         |

**Replacement Lamps for Vega 10kW**

**Cat No. Description**

|       |                       |
|-------|-----------------------|
| 43834 | 10kW, 240V, CP83 Lamp |
| 43833 | 10kW, 230V, CP83 Lamp |

**Stands for Studio Fresnels**

**Cat No. Description**

|       |                                    |
|-------|------------------------------------|
| 81011 | Hercules Stand, black with Castors |
| 81015 | Goliath Stand, black               |
| 81018 | Samson Stand, black                |
| 81022 | Atlas Stand, with Castors          |
| 81025 | Gladiator Stand, black             |
| 82012 | TV-Hook Clamp for 48mm barrels     |
| 82013 | TV-Hook Clamp for 32-62mm barrels  |
| 82002 | Safety Bond, 50kg                  |

Studio Luminaires & Suspension

| Throw            | Lux 10m |      | Lux 12.5m |      | Lux 15m |      | Lux 17.5m |      | Lux 20m |     |
|------------------|---------|------|-----------|------|---------|------|-----------|------|---------|-----|
|                  | L       | W    | L         | W    | L       | W    | L         | W    | L       | W   |
| Pollux (F 56.5°) | 1010    | 10.7 | 650       | 13.4 | 450     | 16.1 | 330       | 18.8 | -       | -   |
| Pollux (S 12.5°) | -       | -    | 3420      | 2.7  | 2380    | 3.3  | 1750      | 3.8  | 1340    | 4.4 |

Typical performance based on 5000W CP29 lamp.

| Vega 10kW (F 47°)   | Lux 10m |     | Lux 15m |      | Lux 20m |      | Lux 25m |      | Lux 30m |      |
|---------------------|---------|-----|---------|------|---------|------|---------|------|---------|------|
|                     | L       | W   | L       | W    | L       | W    | L       | W    | L       | W    |
| Vega 10kW (F 47°)   | 1800    | 8.7 | 800     | 13.0 | 450     | 17.4 | 290     | 21.7 | 200     | 26.1 |
| Vega 10kW (S 12.5°) | -       | -   | 4180    | 3.3  | 2350    | 4.4  | 1500    | 5.5  | 1040    | 6.6  |

Typical performance based on 10kW CP83 lamp.

| Pollux | L | W   | H   | Weight of product (kg) | Packed weight (kg) | Packed volume (cu.metres) | Accessory size | Strand data sheet reference number |
|--------|---|-----|-----|------------------------|--------------------|---------------------------|----------------|------------------------------------|
|        |   | 355 | 550 | 560                    | 16.5               | 22.0                      | 0.159          | 405                                |

| Vega 10kW | L | W   | H   | Weight of product (kg) | Packed weight (kg) | Packed volume (cu.metres) | Accessory size | Strand data sheet reference number |
|-----------|---|-----|-----|------------------------|--------------------|---------------------------|----------------|------------------------------------|
|           |   | 440 | 530 | 605                    | 24.0               | 31.0                      | 0.245          | 405                                |

L Length W Width H Height Weight of product (kg) Packed weight (kg)  
 Packed volume (cu.metres) Accessory size Strand data sheet reference number  
 Beam diameter in metres F Flood S Spot

Arturo  
1250W



**ARTURO™**  
STUDIO SOFTLIGHTS  
1250/2500/5000W

- \* A range of three tungsten halogen studio softlights for 1250W, 2500W and 5000W operation
- \* Accepts 189mm linear tungsten halogen lamps at 1250W, 1000W or 625W
- \* Optical system ensures shadowless indirect fill light from secondary reflector design
- \* Asymmetric beam distribution gives constant illumination as a subject approaches the source
- \* Manual or pole-operated versions available, both fitted with universal 29mm spigot designed to interface with DIN and BS sockets
- \* Pole-operated versions include friction clutches to allow override of pan and tilt
- \* Power switching adjusts intensity with constant colour temperature

Arturo  
2500W



Arturo  
5000W



**Supplied with:**

Colour frame and power cable as follows: Arturo 1250 - 3.5m of 1.5sq mm cable with in line switch; Arturo 2500 - 7m of 2.5sq mm cable with Pole operated rotary switch; Arturo 5000 - 7m of 4sq mm cable with Pole-operated rotary switch.

**Optional Accessories:**

Standard and narrow egg crates are available for tighter control of the beam.

**Arturo 1250W**

Designed for the small studio or as a location fill light, Arturo 1250W provides virtually shadowless diffused illumination.

**Cat No. Description**

|       |                                |
|-------|--------------------------------|
| 26500 | Arturo 1250W, Manual Operation |
| 26510 | Arturo 1250W, Pole Operation   |

**Arturo 1250W Accessories**

**Cat No. Description**

|       |                                     |
|-------|-------------------------------------|
| 28310 | Eggcrate, Narrow Beam               |
| 28311 | Eggcrate, Wide Beam                 |
| 28312 | Additional Colour Frame             |
| 82140 | Operating Pole adjustable 1.4m - 4m |

**Arturo 2500W**

This Arturo is a 2.5kW dual power softlight with two lamps, switched individually, to give intensity control with constant colour temperature. Designed for 2 x 189mm linear tungsten halogen lamps of 1250W, 1000W or 625W. A three position rotary switch allows switching between one on, two on, or off.

**Cat No. Description**

|       |                                     |
|-------|-------------------------------------|
| 26520 | Arturo 1.25/2.5kW, Manual Operation |
| 26530 | Arturo 1.25/2.5kW, Pole Operation   |

**Arturo 2500W Accessories**

**Cat No. Description**

|       |                                     |
|-------|-------------------------------------|
| 28313 | Eggcrate, Narrow Beam               |
| 28314 | Eggcrate, Wide Beam                 |
| 28315 | Additional Colour Frame             |
| 82140 | Operating Pole adjustable 1.4m - 4m |

**Arturo 5000W**

This Arturo is a 5kW dual power softlight with four lamps, switched in pairs, to give intensity control with constant colour temperature. Designed for 4 x 189mm linear tungsten halogen lamps of 1250W, 1000W or 625W. A four position rotary switch allows switching between 1 pair, two pairs, or off.

**Cat No. Description**

|       |                                  |
|-------|----------------------------------|
| 26540 | Arturo 2.5/5kW, Manual Operation |
| 26550 | Arturo 2.5/5kW, Pole Operation   |

**Arturo 5000W Accessories**

**Cat No. Description**

|       |                                     |
|-------|-------------------------------------|
| 28316 | Eggcrate, Narrow Beam               |
| 28317 | Eggcrate, Wide Beam                 |
| 28318 | Additional Colour Frame             |
| 82140 | Operating Pole adjustable 1.4m - 4m |

**Stands for Studio Softlights**

**Cat No. Description**

|       |                                    |
|-------|------------------------------------|
| 82002 | Safety Bond, 50kg                  |
| 82012 | TV-Hook Clamp for 48mm barrels     |
| 82013 | TV-Hook Clamp for 32-62mm barrels  |
| 81011 | Hercules Stand, black with castors |
| 81022 | Atlas Stand with castors           |
| 81015 | Goliath Stand, black               |
| 81018 | Samson Stand, black                |

**Replacement Lamps for Arturo**

**Cat No. Description**

|       |                         |
|-------|-------------------------|
| 43104 | P2/10, 625W, 240V Lamp  |
| 43103 | P2/10, 625W, 230V Lamp  |
| 43074 | P2/7, 1000W, 240V Lamp  |
| 43073 | P2/7, 1000W, 230V Lamp  |
| 43124 | P2/12, 1250W, 240V Lamp |
| 43123 | P2/12, 1250W, 230V Lamp |

| Throw       | Lux 2m |       | Lux 3m |       | Lux 4m |       | Lux 5m |       | Lux 6m |      |
|-------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|
|             | Ø      | Ø     | Ø      | Ø     | Ø      | Ø     | Ø      | Ø     | Ø      | Ø    |
| Arturo 1250 | 2700   | 4.36  | 1200   | 6.54  | 675    | 8.73  | 432    | 10.91 | 746    | 13.0 |
|             |        |       | 4m     | 5m    | 6m     |       | 7m     |       | 8m     |      |
| Arturo 2500 | 1562   | 9.36  | 1000   | 11.07 | 624    | 14.0  | 310    | 16.4  | 320    | 18.7 |
|             |        |       | 6m     | 7m    | 8m     |       | 9m     |       | 10m    |      |
| Arturo 5000 | 1216   | 13.24 | 892    | 15.83 | 683    | 20.85 | 540    | 23.45 | 437    | 26.0 |

Typical performance based on 1250W P2/12 lamp.

|              | L   | W   | H   | Ⓛ    | Ⓜ    | Ⓜ     | Ⓜ         | Ⓜ     | Ⓜ | i |
|--------------|-----|-----|-----|------|------|-------|-----------|-------|---|---|
| Arturo 1250W | 260 | 540 | 630 | 11.0 | 15.7 | 0.112 | 220 x 400 | 2.3.4 |   |   |
| Arturo 2500W | 380 | 660 | 755 | 14.0 | 22.9 | 0.244 | 310 x 510 | 2.3.4 |   |   |
| Arturo 5000W | 450 | 750 | 980 | 24.0 | 28.0 | 0.390 | 410 x 600 | 2.3.4 |   |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
Ⓜ Packed volume (cu.metres) Ⓜ Accessory size i Strand data sheet reference number  
Ⓜ Beam diameter in metres




**Videolux 216DMX**  
 with Intensifier

## VIDEOLUX™

LOW ENERGY  
 FLUORESCENT SOFTLIGHTS  
 72/216W

- \* High quality base light compatible with incandescent fresnels providing key and back lighting
- \* Excellent colour reproduction from special high colour rendering Index (CRI) 36W compact fluorescent lamps
- \* High output, from efficient reflector design and optically matched detachable frontal intensifier
- \* Built-in high frequency electronic ballasts increase output and eliminate flicker
- \* Low heat and glare is ideal for news and presentation studios Long lamp life - low replacement cost
- \* Durable construction for studio or location use
- \* Two dimming options available
  - (i) Digital (DMX) control - 100% to 5% and black-out
  - (ii) Phase control - 100% to zero
- \* Supplied with 3000K lamps. 5400K (Daylight) lamps may be ordered separately
- \* Pole-operated versions (PO) available

### Videolux 72D & 72DMX

Low energy fluorescent softlight and baselight using 2 36W Compact Fluorescent Lamps.

#### Cat No. Description

|       |                   |
|-------|-------------------|
| 22044 | VLX 72D 230V      |
| 22064 | VLX 72DMX 230V    |
| 22264 | VLX 72DMX/PO 230V |

### Videolux 216D & 216DMX

Low energy fluorescent softlight and baselight using 6 36W Compact Fluorescent Lamps.

#### Cat No. Description

|       |                    |
|-------|--------------------|
| 22144 | VLX 216D 230V      |
| 22164 | VLX 216DMX 230V    |
| 22364 | VLX 216DMX/PO 230V |

The following suffixes apply to the Videolux range of fixtures:

#### D = Dimmable

The intensity of these models can be controlled down to 10% and off by integrating into a studio dimming system. Only available for 230V installations.

#### DMX = DMX Control

These models also incorporate intensity control down to 5% and off, but are controlled independently of studio dimmers from a DMX512 Signal supplied by a lighting control console such as the MX, GSX, LBX and the GeniusPro range. They can also be controlled by a 0-10V signal.

#### Videolux Accessories

| Cat No. | Description                         |
|---------|-------------------------------------|
| 28339   | Colour Frame for Videolux 72        |
| 28338   | Colour Frame for Videolux 216       |
| 28332   | Standard Eggcrate 72                |
| 28333   | Standard Eggcrate 216               |
| 28334   | Narrow Eggcrate 72                  |
| 28335   | Narrow Eggcrate 216                 |
| 28330   | Additional Intensifier Videolux 72  |
| 28331   | Additional Intensifier Videolux 216 |
| 82140   | Operating Pole adjustable 1.4m - 4m |

#### Lamps for Videolux

| Cat No. | Description          |
|---------|----------------------|
| 45910   | 36W SE Lamp (3000°K) |
| 45920   | 36W SE Lamp (5400°K) |

#### Stands for Videolux

| Cat No. | Description                       |
|---------|-----------------------------------|
| 82002   | Safety Bond, 50kg                 |
| 82012   | TV-Hook Clamp for 48mm barrels    |
| 82013   | TV-Hook Clamp for 32-62mm barrels |
| 81015   | Goliath Stand, black              |
| 81022   | Atlas Stand, with castors         |


**Videolux 72DMX**

#### Supplied with:

2m of cable; Intensifier; set of 36W Compact Fluorescent Lamps.

**Optional Accessories:**  
 Colour Frame; Standard & Narrow Eggcrates.

| Throw                           | Lux 1m |   | Lux 2m |   | Lux 3m |   | Lux 4m |   |
|---------------------------------|--------|---|--------|---|--------|---|--------|---|
|                                 | Lux    | Ø | Lux    | Ø | Lux    | Ø | Lux    | Ø |
| Videolux 72D (with intensifier) | 2070   | - | 510    | - | 230    | - | 129    | - |
| Videolux 72D (w/o intensifier)  | 1080   | - | 270    | - | 120    | - | 67.5   | - |
| Videolux 216 (with intensifier) | 5230   | - | 1315   | - | 585    | - | 325    | - |
| Videolux 216 (w/o intensifier)  | 3000   | - | 750    | - | 335    | - | 187.5  | - |

Typical performance based on 36W Compact Fluorescent RA90 lamps.

|                                 | L   | W   | H   | Ⓛ    | Ⓜ    | Ⓝ     | Ⓟ         | Ⓡ     | i |
|---------------------------------|-----|-----|-----|------|------|-------|-----------|-------|---|
| Videolux 72D (with intensifier) | 270 | 620 | 340 | 8.0  | 9.0  | 0.062 | 490 x 200 | 2.3.3 |   |
| Videolux 72D (w/o intensifier)  | 110 | 590 | 280 | 7.2  | 8.0  | 0.064 | 490 x 200 | 2.3.3 |   |
| Videolux 216 (with intensifier) | 270 | 620 | 615 | 15.0 | 17.0 | 0.113 | 490 x 475 | 2.3.3 |   |
| Videolux 216 (w/o intensifier)  | 110 | 590 | 555 | 14.0 | 15.5 | 0.078 | 490 x 475 | 2.3.3 |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓝ Packed volume (cu.metres) Ⓟ Colour filter cut size (mm)  
 i Strand data sheet reference number Ø Beam diameter in metres

Iris 1



Iris 2



Iris 4



**Studio Luminaires & Suspension**

**IRIS™**  
CYCLIGHT  
625/1000/1250W

- \* Top-mounting cyclorama lighting range designed for TV studios and the larger theatre
- \* Exceptionally even beam distribution for cycloramas up to 7m high
- \* Wide range of versions including split stirrup for Iris 2 and Iris 4
- \* Mini Iris with identical performance available for smaller studios
- \* Black finish to blend with studio roof
- \* Designed for 625W, 1000W or 1250W 189mm linear tungsten halogen 3200K lamps

**Iris 1**

Single compartment cyc light in manual or pole operated tilt versions with 29mm spigot and 5m power cable.

| Cat No. | Description                                |
|---------|--|
| 26070   | Iris 1 Manually Operated Cyc light         |
| 26080   | Iris 1 Pole-operated (tilt only) Cyc light |

**Iris 2/3/4**

Multiple compartment cyc lights in vertical or horizontal arrangement with pole operation of tilt. Supplied with 29mm spigot, and 7m power cable for each compartment. The split stirrup version of Iris 2 vertical and Iris 4 enables the upper compartments to be set at different angles to the lower.

| Cat No. | Description                                   |
|---------|---|
| 26100   | Iris 2 Vertical Pole-Operated (tilt only)     |
| 26110   | Iris 2 Horizontal Pole-operated (tilt only)   |
| 26090   | Iris 2 Split Stirrup Pole-operated (vertical) |
| 26130   | Iris 3 Pole-operated                          |
| 26150   | Iris 4 Pole-operated                          |
| 26140   | Iris 4 Split Stirrup Pole-operated            |

**Iris Accessories**

| Cat No. | Description                                  |
|---------|--|
| 28011   | Additional Colour Frame                      |
| 28012   | Spare Wire Mesh Guard                        |
| 82012   | Hook Clamp to accept 29mm Spigot             |
| 82002   | Safety Bond, 50kg                            |
| 82013   | TV-Hook Clamp, 32-62mm to accept 29mm Spigot |

**Mini Iris**

Single compartment manual operated cyc light with 16mm socket and 4m power cable. Optional outrig colour frame available to provide extended deep colour filter life.

| Cat No. | Description           |
|---------|-----------------------|
| 26060   | Mini Iris 1 Cyc light |

**Mini Iris Accessories**

| Cat No. | Description                   |
|---------|-------------------------------|
| 28010   | Outrig Colour Frame           |
| 82603   | Large Gaffer Grip 16mm Spigot |
| 82002   | Safety Bond, 50kg             |

Mini Iris



**Supplied with:**

Safety mesh (removable for lamp changing); Metal colour frame and safety retention clip for both.

**Lamps - Iris & Mini Iris**

| Cat No. | Description             |
|---------|-------------------------|
| 43104   | P2/10, 625W, 240V Lamp  |
| 43103   | P2/10, 625W, 230V Lamp  |
| 43074   | P2/7, 1000W, 240V Lamp  |
| 43073   | P2/7, 1000W, 230V Lamp  |
| 43124   | P2/12, 1250W, 240V Lamp |
| 43123   | P2/12, 1250W, 230V Lamp |

**Iris & Mini Iris**

|                   | 7    | 6    | 5    |
|-------------------|------|------|------|
| Cyc height        |      |      |      |
| Distance from cyc | 3.3  | 2.5  | 2.1  |
| Lux level at 2m   | 1450 | 1850 | 2150 |

Typical performance based on 1250W P2/12 lamps with adjacent compartments on 2-5m centres and tilted 20° from vertical.

|                            | L   | W    | H   | Ⓜ    | Ⓜ    | Ⓜ     | Ⓜ          | i     |
|----------------------------|-----|------|-----|------|------|-------|------------|-------|
| <b>Iris 1</b>              | 247 | 517  | 402 | 8.5  | 12.0 | 0.133 | 305 x 395  | 2.4.2 |
| <b>Iris 2 (Horizontal)</b> | 247 | 922  | 402 | 15.5 | 17.5 | 0.193 | 305 x 395  | 2.4.2 |
| <b>Iris 2 (Vertical)</b>   | 247 | 517  | 757 | 15.5 | 17.5 | 0.193 | 305 x 395  | 2.4.2 |
| <b>Iris 3</b>              | 247 | 1327 | 402 | 22.5 | 25.0 | 0.235 | 305 x 395  | 2.4.2 |
| <b>Iris 4</b>              | 247 | 922  | 757 | 28.5 | 32.0 | 0.291 | 305 x 395  | 2.4.2 |
| <b>Mini Iris</b>           | 115 | 375  | 370 | 4.0  | 5.0  | 0.210 | 305 x 395* | 2.4.2 |

L Length W Width H Height Ⓜ Weight of product (kg) Ⓜ Packed weight (kg)

Ⓜ Packed volume (cu.metres) Ⓜ Colour filter cut size (mm)

i Strand data sheet reference number Ⓜ Beam diameter in metres

\* Using Outrig Colourframe 28010

## ORION™ GROUNDROW 625/1000/1250W

- \* High-quality groundrow units for even coverage of cycloramas in TV studios or large theatres
- \* Single or 4-compartment versions
- \* Hinged 4-compartment version available for lighting cyclorama curves
- \* Accepts 625W, 1000W or 1250W linear 189mm tungsten halogen 3200K lamps
- \* 4 compartment units are wired for 4 circuit operation with unobtrusive 9 core interconnecting cable
- \* 9-core to 4 x 3 core splitter cable available for connection back to individual dimmer circuits



Orion 4 Rigid

### Orion Single

Single compartment floor-standing cyclight, with 5m power cable to bare ends.

#### Cat No. Description

|       |                             |
|-------|-----------------------------|
| 26010 | Orion Single Unit Groundrow |
|-------|-----------------------------|

### Orion 4

Choice of a 4-way rigid or 4-way hinged versions and supplied with 9-pin recessed male input connector, and short 9 core output cable to female socket for connecting to adjacent unit.

#### Cat No. Description

|       |                          |
|-------|--------------------------|
| 26040 | Orion 4 Rigid Groundrow  |
| 26050 | Orion 4 Hinged Groundrow |

### Orion Accessories

#### Cat No. Description

|       |                           |
|-------|---------------------------|
| 28001 | Additional Colour Frame   |
| 28002 | 7m Feeder Cable, Orion 4  |
| 28000 | Cover for Cable Connector |

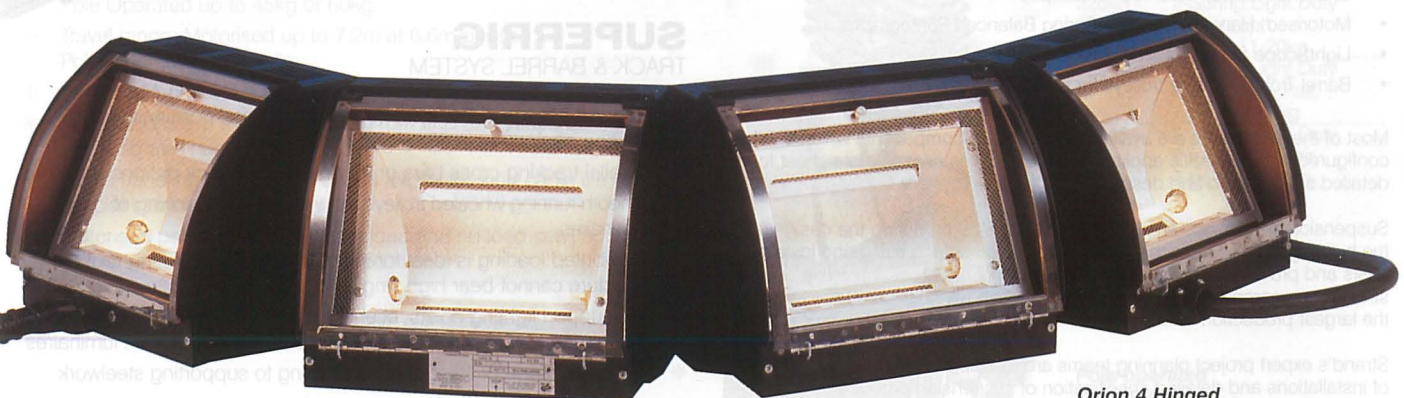
### Orion Lamps

#### Cat No. Description

|       |                         |
|-------|-------------------------|
| 43104 | P2/10, 625W, 240V Lamp  |
| 43103 | P2/10, 625W, 230V Lamp  |
| 43074 | P2/7, 1000W, 240V Lamp  |
| 43073 | P2/7, 1000W, 230V Lamp  |
| 43124 | P2/12, 1250W, 240V Lamp |
| 43123 | P2/12, 1250W, 230V Lamp |



Orion Single Unit



Orion 4 Hinged

| Height from floor | 1m   | 2m   | 3m  | 4m  | 5m  |
|-------------------|------|------|-----|-----|-----|
| Lux level         | 1900 | 1450 | 975 | 675 | 475 |

Typical performance based on 1000W P2/7 lamp.

|       | L   | W   | H   | Ⓛ   | Ⓜ   | Ⓝ     | Ⓧ         | i     |
|-------|-----|-----|-----|-----|-----|-------|-----------|-------|
| Orion | 218 | 305 | 247 | 4.5 | 5.0 | 0.028 | 245 x 290 | 2,4,3 |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)

Ⓝ Packed volume (cu.metres) Ⓧ Colour filter cut size (mm)

i Strand data sheet reference number Ⓞ Beam diameter in metres

Illumination levels on cycloramas with Orions floor mounted 1.2m from cyc and with 1.2m lateral spacing.

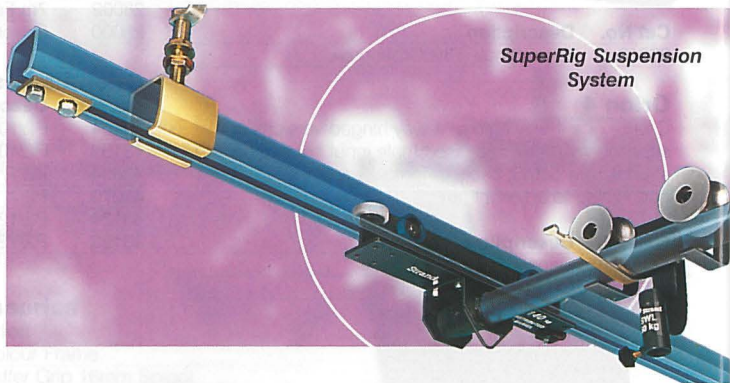
## LIGHTING HOISTS

### SELF-CLIMBING & ROOF MOUNTED

- \* Provides rapid access for rigging, de-rigging and maintenance of studio lights and clear access for set building
- \* Helical wind system ensures level barrel and constant speed throughout travel range
- \* Highest level of safety ensured from helical wind system with low rope wear and ease of inspection
- \* Fast winding speed for lowest studio down time
- \* Under and over load sensing devices for operational safety
- \* Maximum Safe Working Load (SWL) 140kg
- \* Two standard chassis sizes can be configured to most needs
- \* Platform cable or Flip-Flop cable tray options available for power and DMX distribution
- \* Barrel trolleys allow lateral positioning of luminaires on hoist barrel
- \* Hoists come complete with wiring termination box and I-Beam mounting kit

## SCENERY HOISTS

- \* Provides integration of set rigging with luminaire positioning in the studio
- \* Unique twin wire, helical wind design provides duality of support systems for added safety
- \* Safe Working Load (SWL) of 100 or 125kg with up to 12m travel
- \* Hoists are trolley mounted on SuperRig for flexibility in positioning
- \* Festoon system for power cable to motor



## SUPERRIG

### TRACK & BARREL SYSTEM

- \* Rugged Track and Bar system providing lateral positioning of lighting equipment in the larger studio
- \* Parallel tracking cross bars or fully articulated track options available
- \* Smooth running wheeled trolleys allow instant repositioning of luminaires
- \* Distributed loading is ideal for installations where existing roof structure cannot bear high single point loads
- \* Will support lighting hoists, scenery hoists, motorised, hand wound and spring balanced pantographs and barrel trolleys with luminaires
- \* Extensive range of fittings for connecting to supporting steelwork



Self-Climbing Lighting Hoist

## SUSPENSION SYSTEMS

Studio Suspension Systems provide effective solutions to a variety of production needs by reducing studio down time through reduced rigging times in concert halls, theatres, multi-purpose venues and many other applications as well as television studios.

Strand's very comprehensive suspension range has been developed to provide production flexibility and operating cost saving in all scales of applications.

The range comprises:

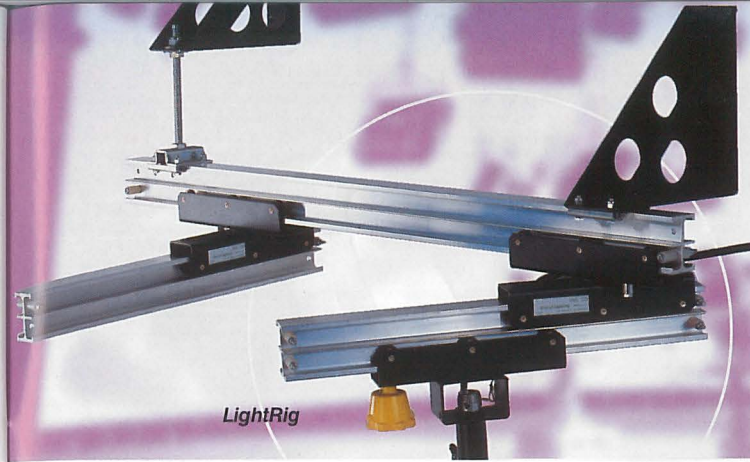
- Self Climbing and Roof Mounted Lighting Hoists
- Scenery Hoists
- SuperRig and LightRig Track and Beam Systems
- Grid and Runway Mounted Telescopes
- Motorised, Hand Wound and Spring Balanced Pantographs
- LightScope Spring Balanced Telescopes
- Barrel Trolleys (rolling trolleys for pipe).

Most of these products are available as standard components which can be configured to suit specific applications. Refer to the relevant data sheet for detailed specification and description of available options.

Suspension installations should ideally be considered during the design of the building structure to achieve overall economies in building and installation costs and provide the most effective operational system. For existing structures, appropriate suspension systems can bring similar efficiencies for the largest production studio down to small continuity and news studios.

Strand's expert project planning teams are available to advise on the design of installations and detailed specification of suspension products.

|                                | Floor to Grid Height*<br>(m) | Studio area<br>(m <sup>2</sup> ) |
|--------------------------------|------------------------------|----------------------------------|
| LightRig                       | 3-4                          | 10 to 75                         |
| Spring Pantograph & LightScope | 3-5                          | 50 to 300                        |
| Pole Operated Pantograph       | 3-6                          | 75 to 400                        |
| SuperRig                       | 4-9                          | 300 to 800                       |
| Motorised Pantograph           | 7-9                          | 600 to 800                       |
| Motorised or Manual Telescope  | 10                           | 600 to 1500                      |
| Self-Climbing Hoist            | 6-14                         | 300 to 1500                      |
| Grid Mounted Hoist             | 8-14                         | 600 to 1500                      |



LightRig

## LIGHTRIG ARTICULATING TRACK SYSTEM

- \* Provides full flexibility of luminaire positioning in the small to medium size studio
- \* Extends utilisation of studios with restricted height or floor space
- \* Luminaires are supported from smooth running trolleys on articulated cross tracks
- \* Wide range of accessories and light duty pantographs for greater flexibility
- \* Extensive range of fittings to connect to studio supporting structure
- \* Comprehensive data sheet provides installation guide

## SPRING PANTOGRAPH S

### 2-SPRING / 4-SPRING

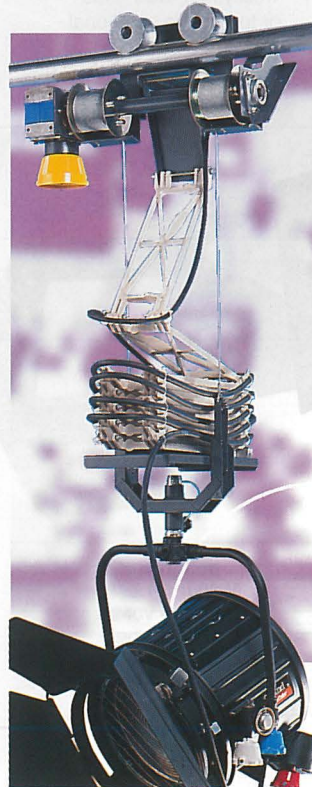
- \* Single point suspension adds versatility to any studio size
- \* Spring balanced system provides easy height adjustment for luminaires
- \* Can be used with fixed grids or provide additional flexibility to Hoists, SuperRig or

Range comprises three types:  
4-Spring version for luminaires between 20-50kg;  
2-Spring version for luminaires between 5-20kg;  
2 Lightweight 2-Spring models for use with LightRig and Luminaires of 5-12kg or 11-20kg.

| Cat No. | Description   |
|---------|---|
| 32002   | 2-Spring Pantograph, BS 3.6m                          |
| 32050   | 2-Spring Pantograph, DIN 3.6m                         |
| 32046   | 2-Spring Pantograph, BS 2.55m                         |
| 32048   | 2-Spring Pantograph, DIN 2.55m                        |
| 32004   | 4-Spring Pantograph, BS 3.6m                          |
| 32051   | 4-Spring Pantograph, DIN 3.6m                         |
| 32047   | 4-Spring Pantograph, BS 2.55m                         |
| 32048   | 4-Spring Pantograph, DIN 2.55m                        |
| 32052   | Spring Arrestor Kit                                   |
| 32040   | 2-Spring Light Duty Pantograph, 16mm 5-12kg           |
| 32041   | 2-Spring Light Duty Pantograph, 16mm 11-20kg          |
| 32042   | 2-Spring Light Duty Pantograph, 29mm 5-12kg           |
| 32043   | 2-Spring Light Duty Pantograph, 16mm 11-20kg          |
| 32044   | 2-Spring Light Duty Pantograph, Pair, Type A, 5-12kg  |
| 32045   | 2-Spring Light Duty Pantograph, Pair, Type B, 11-20kg |

## PANTOGRAPHS MOTORISED OR POLE-OPERATED

- \* Versatile single point suspension for large and small studios
- \* Motorised for remote control or Pole-operated for control from studio floor with hand cranked or motorised pole
- \* Very compact closed height and low weight
- \* Wheeled option reduces closed height even further
- \* Helical wind system and 3mm rope for high safety and low maintenance
- \* Can be used on Lighting Hoists, SuperRig or fixed bar grid
- \* Safe Working Load (SWL) options: Motorised up to 100kg; Pole Operated up to 45kg or 60kg
- \* Travel range: Motorised up to 7.2m at 6.6m per sec; Pole-operated up to 4.6m
- \* 16A or 32A outlet versions available
- \* 16A versions are wired with 2.5 sq mm and 32A versions with 4 sq mm heat resistant cable
- \* Cable handling without tight bends allows for long cable life and special cabling requirements
- \* Motorised pantographs have overload and no-load sensing as well as pre-settable intermediate stop positions



Pole-operated  
Pantograph

|                                      | ⊠       | ⬆  | ⊗                                     | Ⓜ         | ⊕     | ▣                               | Ⓢ                                     | Ⓛ                            | Ⓜ | CE    | i |
|--------------------------------------|---------|--|---------------------------------------|-----------|-------|---------------------------------|---------------------------------------|------------------------------|---|-------|---|
| <b>Self-Climbing Hoists</b>          | 6 - 14m | Travel up to 10.5m<br>(1.8m), 12m (2.5m) | 0.8m                                  | 380V/415V | 140.0 | 3m max (1.8m),<br>4m max (2.5m) | 85.0 (1.8m),<br>97.0 (2.5m)           | 0.880 (1.8m)<br>1.200 (2.5m) | ✓ | 3.3.1 |   |
| <b>Motorised Pantographs</b>         | 4 - 9m  | 2.8 - 8m                                 | 550 - 760mm<br>(depending on version) | 380V/415V | 45.0  | 532 x 500 x 780mm               | 24.3 - 27.3<br>(depending on version) | 40.0 0.390                   | ✓ | 3.2.2 |   |
| <b>Pole Operated<br/>Pantographs</b> | 3 - 6m  | 2.67 - 5.1m                              | 360 - 458mm<br>(depending on version) | -         | 45.0  | 500 x 528 x 458mm               | 17.7 - 19.1<br>(depending on version) | 25.0 0.240                   | ✓ | 3.2.1 |   |
| <b>2-Spring Pantographs</b>          | 4.5m    | 3.6m                                     | 450 to 540mm                          | -         | 20.0  | 406 x 200 x 540mm               | 13.9/15.9                             | 20.0 0.079                   | ✓ | 3.2.3 |   |
| <b>4-Spring Pantographs</b>          | 4.5m    | 3.6m                                     | 450 to 540mm                          | -         | 50.0  | 406 x 200 x 540mm               | 17.0/19.1                             | 20.0/23.0 0.079              | ✓ | 3.2.3 |   |

⊠ Studio height ⬆ Extended height ⊗ Closed height Ⓜ Supply voltage ⊕ Safe working load (kg) ▣ Overall dimension of product (mm) Ⓢ Weight of product (kg) Ⓛ Packed weight (kg)  
Ⓜ Packed volume (cu.metres) CE Indicates certified to conform with all relevant EC directives i Strand data sheet reference number



Lightscope

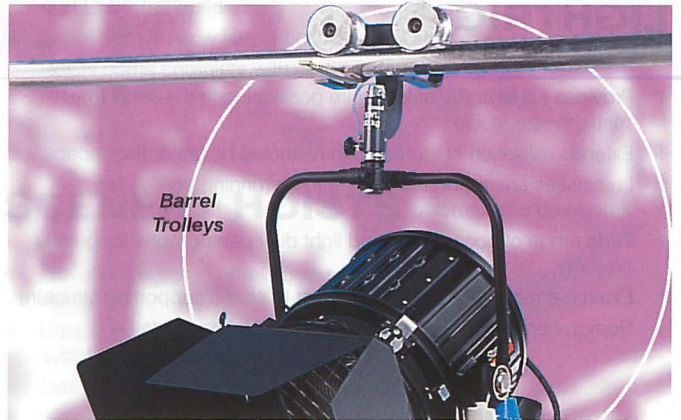
## LIGHTSCOPE

SPRING BALANCED  
TELESCOPE

- \* Compact spring balanced telescope providing vertical positioning of studio lighting in many situations
- \* Uses twin constant force springs with easy to adjust balance for luminaire weight
- \* Two travel ranges: 0.8m to 2.2m and 1.1m to 3.4m
- \* Two lifting capacities: 4.5 to 9kg and 9 to 18kg
- \* Ideal for use with Barrel Trolleys on fixed grids or to provide additional flexibility to Hoist or SuperRig



Barrel  
Trolleys



## BARREL TROLLEYS

- \* Provides lateral positioning along 48mm bars
- \* Suitable for use from Hoist, SuperRig and Fixed Pipe Grids
- \* Will support Luminaires, Pantographs and LightScopes up to a Safe Working Load of 75kg
- \* Available in braked or unbraked versions and with socket for DIN or BS spigots

### Cat No. Description

|       |   |
|-------|---|
| 38001 | Braked Barrel Trolley - BS Version      |
| 38002 | Barrel Trolley (unbraked) - BS Version  |
| 38003 | Braked Barrel Trolley - DIN Version     |
| 38004 | Barrel Trolley (unbraked) - DIN Version |

### Operating Poles

#### Cat No. Description

|       |  |
|-------|--|
| 82140 | Operating Pole, Adjustable, 1.4m - 4m        |
| 32034 | Motorised Operating Pole, Adjustable to 5.3m |

### Cat No. Description

|       |                           |
|-------|---------------------------|
| 38006 | Lightscope, 3.4m, 9-18kg  |
| 38007 | Lightscope, 2.2m, 9-18kg  |
| 38008 | Lightscope, 3.4m, 4.5-9kg |
| 38009 | Lightscope, 2.2m, 4.5-9kg |

|                   | ⊕   | ⬆            | ⊗            | ⊕           | ⊞          | CE | i     |
|-------------------|-----|--------------|--------------|-------------|------------|----|-------|
| <b>Lightscope</b> | any | 2.2m or 3.4m | 1.1m or 0.8m | 9.0 or 18.0 | 5.5 or 6.6 | ✓  | 3.4.1 |

⊕ Studio height ⊕ Extended height ⊗ Closed height ⊕ Safe working load (kg) ⊞ Weight of product (kg) CE Indicates certified to conform with all relevant EC directives  
i Strand data sheet reference number



## PINZA™

PORTABLE FILL LIGHT  
500W

- \* Compact and versatile fill light ideal for photographic and video lighting
- \* Accepts Redhead accessories
- \* Supplied with flexible arm and clamp for quick attachment to any convenient mounting

### Pinza

Lightweight and versatile open-faced fill light with many uses in the studio or on location.

| Cat No. | Description |
|---------|-------------|
| 21010   | Pinza 500W  |

### Pinza Accessories

| Cat No. | Description  |
|---------|--|
| 28021   | Accessory Holder                                   |
| 28020   | Barndoor, 4-Leaf Rotating with Integral Wire Guard |

### Pinza Lamps

| Cat No. | Description          |
|---------|----------------------|
| 43014   | P2/1 500W, 240V Lamp |
| 43013   | P2/1 500W, 230V Lamp |

#### Supplied with:

Flex arm and spring loaded clamp; 4 metres of power cable with in-line switch.

#### Optional Accessories:

Barndoor with integral wire mesh guard; Redhead accessory holder for use of Redhead accessories.

## IADI™

PORTABLE FILL & CYCLIGHTS  
1000W

- \* Compact, high power cyc and fill lights in black finish
- \* Ideal for cyc lighting and backlighting in small video and TV studios, and on location
- \* Accepts 800W or 1000W 119mm linear tungsten halogen 3200K lamps or 200W, 300W or 500W K-type lamps
- \* Stirrup has 16mm female socket



#### Supplied with:

Integral wire guard and barndoors with colour filter clips, stirrup with 16mm female socket and 4m power cable with in-line switch as standard and 230V or 240V P2/20 1000W lamp.

### Iadi

Iadi Cyc has an asymmetric reflector and is used for lighting TV studio and location backings and cycloramas; Iadi Fill uses the same housing with a symmetrical reflector for a wide angle, even beam.

### Iadi Accessories

| Cat No. | Description                           |
|---------|---------------------------------------|
| 28003   | Set of 4 Reflectors for Barndoors     |
| 82023   | 16mm Spigot Adaptor                   |
| 82024   | 29mm Spigot/16mm Socket               |
| 82600   | Magic Arm Set                         |
| 82601   | Adjustable Skyhook with 2 Spigots     |
| 82602   | Small Gaffer Grip 16mm Spigot         |
| 81007   | Apollo Stand, Black                   |
| 81005   | Spartan Stand, Black                  |
| 81001   | Table Stand with 16mm Spigot          |
| 82700   | Reflector Pack (Gold)                 |
| 28004   | Full Double Scrim                     |
| 28005   | Full Single Scrim                     |
| 28006   | Dichroic Filter                       |
| 28007   | Opal Glass Diffuser                   |
| 82000   | Safety Cable, Light Duty (up to 16kg) |

### Replacement Lamps for Iadi

| Cat No. | Description             |
|---------|-------------------------|
| 43204   | P2/20, 1000W, 240V Lamp |
| 43203   | P2/20, 1000W, 230V Lamp |
| 43114   | P2/11, 800W, 240V Lamp  |
| 43113   | P2/11, 800W, 230V Lamp  |

| Cat No. | Description                      |
|---------|----------------------------------|
| 26024   | Iadi Fill 1000W, 240V P2/20 Lamp |
| 26023   | Iadi Fill 1000W, 230V P2/20 Lamp |
| 26034   | Iadi Cyc 1000W, 240V P2/20 Lamp  |
| 26033   | Iadi Cyc 1000W, 230V, P2/20 Lamp |

| Throw             | Lux 2m |     | Lux 4m |     | Lux 6m |      | Lux 8m |      |
|-------------------|--------|-----|--------|-----|--------|------|--------|------|
|                   | Ø      |     | Ø      |     | Ø      |      | Ø      |      |
| <b>Iadi Fill</b>  |        |     |        |     |        |      |        |      |
| <b>Vertical</b>   | 3100   | 3.1 | 775    | 6.2 | 340    | 9.3  | 190    | 12.4 |
| <b>Horizontal</b> | 3100   | 4.0 | 775    | 8.0 | 340    | 12.0 | 190    | 16.0 |

Typical performance with 1000W P2/20 lamp.

|                  | L   | W   | H   | Ⓜ   | Ⓜ   | Ⓜ     | Ⓜ | Ⓜ     | i |
|------------------|-----|-----|-----|-----|-----|-------|---|-------|---|
| <b>Pinza</b>     | 219 | 162 | 336 | 1.5 | 1.7 | 0.010 | - | 2.5.5 |   |
| <b>Iadi Fill</b> | 119 | 280 | 228 | 2.3 | 2.7 | 0.010 | - | 2.4.3 |   |

L Length W Width H Height Ⓜ Weight of product (kg) Ⓜ Packed weight (kg)

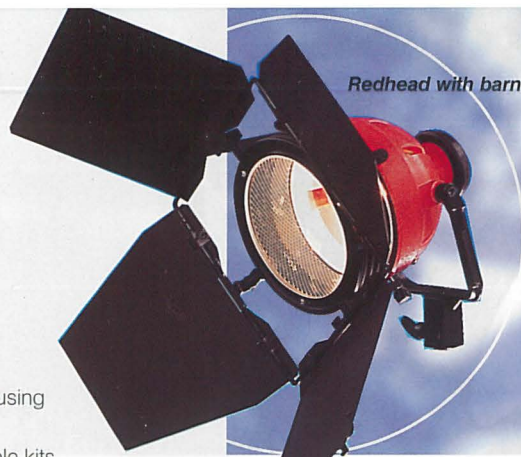
Ⓜ Packed volume (cu.metres) Ⓜ Colour filter cut size (mm)

i Strand data sheet reference number Ø Beam diameter in metres



## REDHEAD™ PORTABLE FOCUSING FLOODLIGHT 800W

- \* Lightweight variable beam floodlight
- \* Ideal for location and video lighting
- \* Quick and easy to use focus control
- \* Heat-resistant polyester/glass fibre luminaire housing
- \* Range of accessories available
- \* Also featured in a number of QuartzColor portable kits



Redhead with barndoors

**Supplied with:**

4 metres of power cable with in-line switch; 240V DXX(P2/13) 800W or P2/35 1000W lamp; Stirrup mount versions come complete with moulded stirrup incorporating 16mm socket; Clamp Mount versions come complete with flex arm and spring loaded clamp.

**Optional Accessories:**

Accessory Holder; 4-leaf Barndoor; Scrim set; Safety Glass; Dichroic Filter.

### Redhead 800 & 1000

Lightweight and powerful open-faced variable focus floodlight constructed from heat-insulating glass fibre reinforced polyester plastics. Available in six versions:

1. 800W version complete with accessory holder, barndoor and stirrup
2. 800W head only version including stirrup but without accessory holder
3. 800W head only version including adjustable arm and clamp but without accessory holder
4. 1000W head only version including stirrup but without accessory holder
5. 1000W head only version including adjustable arm fitted and clamp but without accessory holder
6. Special 24V 'Fire Brigade' Redhead version with A1/223 24V 250W lamp and integral safety glass for use as 'scene of incident' illumination.

Also available in revised range of portable kits (see below).

### Redhead 800 & 1000

**Cat No. Description**

|       |  |
|-------|--|
| 21034 | Redhead, 240V, DXX 800W Lamp, Stirrup, Barndoor, Accessory Holder  |
| 21033 | Redhead, 230V, DXX, 800W Lamp, Stirrup, Barndoor, Accessory Holder |
| 21044 | Redhead, 240 V, DXX 800W Lamp, Head Only, Stirrup Mount            |
| 21043 | Redhead, 230V, DXX 800W Lamp, Head Only, Stirrup Mount             |
| 21064 | Redhead, 240V DXX 800W Lamp, Head Only, Clamp Mount                |
| 21063 | Redhead, 230V, DXX 800W Lamp, Head Only, Clamp Mount               |
| 21054 | Redhead, 240V, P2/35 1000W Lamp, Head Only, Stirrup Mount          |
| 21053 | Redhead, 230V, P2/35 1000W Lamp, Head Only, Stirrup Mount          |
| 21074 | Redhead, 240V, P2/35 1000W Lamp, Head Only, Clamp Mount            |
| 21073 | Redhead, 230V, P2/35 1000W Lamp, Head Only, Clamp Mount            |
| 21080 | 'Fire Brigade' Redhead, 24V A1/223 250W Lamp                       |

Location Luminaires

## BLONDE™

### PORTABLE FOCUSING FLOODLIGHT 2000W

- \* Lightweight high-power variable beam floodlight
- \* Widely used for ENG, outside broadcast and location lighting
- \* Moving reflector focus control
- \* Range of accessories available

### Blonde

Powerful open-faced floodlight with a moving reflector focusing mechanism to vary the beam from 27.5° to 72° with even light distribution.

Also available in revised range of portable kits (see pages 40/41).

**Cat No. Description**

|       |                              |
|-------|------------------------------|
| 21104 | Blonde, 240V, FEX 2000W Lamp |
| 21103 | Blonde, 230V, FEX 2000W Lamp |

### Blonde Accessories

**Cat No. Description**

|       |   |
|-------|---|
| 28050 | Barndoor, 4-Leaf Rotating                         |
| 28051 | Wire Mesh Guard, 3mm                              |
| 28052 | Wire Mesh Guard, 12mm                             |
| 28053 | Safety Glass in Mount                             |
| 28054 | 'Daylight' Dichroic Filter                        |
| 28304 | Scrim Set No.4 (full & half 50%; full & half 66%) |
| 82700 | Reflector Pack (Gold)                             |
| 82603 | Large Gaffer Grip 16mm Spigot                     |
| 81009 | Trojan Stand, Black                               |
| 81011 | Hercules Stand, Black with castors                |

### Replacement Lamps for Blonde

**Cat No. Description**

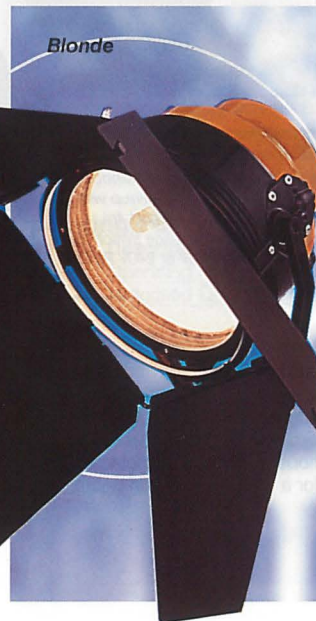
|       |                              |
|-------|------------------------------|
| 43274 | P2/27(FEX), 2000W, 240V Lamp |
| 43273 | P2/27(FEX), 2000W, 230V Lamp |

**Supplied with:**

5m of 4 sq mm cable with in-line switch; safety mesh; 4-leaf rotating barndoor; 230V or 240V FEX(P2/27) 2000W lamp.

**Optional Accessories:**

Scrim set; Safety Glass; Dichroic Filter.



Blonde

## PORTABLE LIGHTING KITS

300W to 2000W

- \* Selection of QuartzColor portable location lights and accessories in a comprehensive range of kits
- \* Ideal for ENG, EFP and set piece lighting
- \* Convenient transportable cases
- \* Developed for fast set-up and repacking
- \* Ideal for studio and location lighting

### Redhead 3 Kit

Comprises 3 Redheads with safety glass and DXX 800W lamps, 3 accessory holders, 3 barndoors, scrim set (1 each of full double, full single, half double, half single), 3 Spartan stands, in carry case.

i 2.6.2 For Redhead details see page 40.

**Cat No. Description**

|       |                     |
|-------|---------------------|
| 23034 | Redhead 3 Kit, 240V |
| 23033 | Redhead 3 Kit, 230V |

| Throw            | Lux 2m |     | Lux 3m |     | Lux 4m |     | Lux 5m |     | Lux 6m |      |
|------------------|--------|-----|--------|-----|--------|-----|--------|-----|--------|------|
|                  | Ø      | Ø   | Ø      | Ø   | Ø      | Ø   | Ø      | Ø   | Ø      | Ø    |
| Redhead (F 87°)  | 2095   | 3.8 | 910    | 5.7 | 515    | 7.6 | 330    | 9.5 | 230    | 11.4 |
| Redhead S 27.5°) | 6675   | 1.7 | 2970   | 2.6 | 1670   | 3.5 | 1070   | 4.4 | 740    | 5.2  |

Typical Performance based on 800W DXX lamp.

|                  |      |     |      |     |      |     |      |     |   |   |
|------------------|------|-----|------|-----|------|-----|------|-----|---|---|
| Pulsar (F 70°)   | 2030 | 2.8 | 900  | 4.2 | 500  | 5.6 | 325  | 7.0 | - | - |
| Pulsar (S 27.5°) | 9350 | 1.0 | 4155 | 1.5 | 2340 | 2.0 | 1500 | 2.5 | - | - |

Typical Performance based on 650W A1/233 lamp.

|         | L   | W   | H   | Ⓚ   | Ⓜ   | Ⓝ     | Ⓢ   | Ⓣ     | Ⓤ | Ⓥ | Ⓦ |
|---------|-----|-----|-----|-----|-----|-------|-----|-------|---|---|---|
| Redhead | 410 | 310 | 410 | 1.3 | 1.5 | 0.008 | 165 | 2.5.5 |   |   |   |
| Pulsar  | 155 | 200 | 220 | 1.6 | 1.8 | 0.008 | 110 | 2.5.5 |   |   |   |

L Length W Width H Height Ⓚ Weight of product (kg) Ⓜ Packed weight (kg)  
Ⓝ Packed volume (cu.metres) Ⓢ Colour filter cut size (mm)  
Ⓣ Strand data sheet reference number Ⓤ Beam diameter in metres F Flood S Spot



## Redhead Accessories

| Cat No. | Description                                       |
|---------|---|
| 28021   | Accessory Holder                                  |
| 28022   | Barndoor, 4-Leaf Rotating                         |
| 28023   | Wire Mesh Guard, 3mm                              |
| 28024   | Safety Glass in Mount                             |
| 28025   | 'Daylight' Dichroic Filter                        |
| 28302   | Scrim Set No.2 (full & half 50%; full & half 66%) |
| 82700   | Reflector Pack (Gold)                             |
| 82605   | Handgrip  |
| 82602   | Small Gaffer Grip 16mm Spigot                     |
| 81005   | Spartan Stand, Black                              |
| 81007   | Apollo Stand, Black                               |

## PULSAR™ PORTABLE FOCUSING FLOODLIGHT 650W

- \* Lightweight and versatile openface floodlight with beam variable between 27° and 70°
- \* High output from axially mounted 650W lamp
- \* Cool heat resistant polyester/glass fibre housing



Supplied with:

Safety mesh, 4 metres of power cable with in-line toggle switch, 4-leaf rotating barndoor and 230V or 240V A1/233 650W lamp.

Pulsar with barndoors

## Replacement Lamps for Redhead

| Cat No. | Description                                       |
|---------|---|
| 43134   | P2/13(DXX) 800W, 240V Lamp                        |
| 43133   | P2/13(DXX) 800W, 230V Lamp                        |
| 45220   | A1/223 24V 250W Lamp (for 'Fire Brigade' Version) |
| 43354   | P2/35 1000W, 240V Lamp (for 1000W Version)        |
| 43353   | P2/35 1000W, 230V Lamp (for 1000W Version)        |

## Pulsar

Ideal for ENG and other video location work where its high output and wide range of beam angles from a lightweight yet rugged unit are particularly valuable.

### Cat No. Description

|       |                                |
|-------|--------------------------------|
| 21024 | Pulsar, A1/233 650W, 240V Lamp |
| 21023 | Pulsar, A1/233 650W, 230V Lamp |

## Replacement Lamps for Pulsar

| Cat No. | Description            |
|---------|------------------------|
| 43334   | A1/233 650W, 240V Lamp |
| 43333   | A1/233 650W, 230V Lamp |

## Pulsar Accessories

| Cat No. | Description                                       |
|---------|---|
| 28301   | Scrim Set No.1 (full & half 50%; full & half 66%) |
| 28042   | Safety Glass in Mount                             |
| 28043   | 'Daylight' Dichroic Filter in Mount               |
| 82605   | Handgrip  |
| 82700   | Reflector Pack (Gold)                             |
| 82602   | Small Gaffer Grip, 16mm Spigot                    |
| 81001   | Table Stand with 16mm Spigot                      |
| 81003   | Mercury Stand, Black                              |
| 81005   | Spartan Stand, Black                              |



Redhead 4 Kit

## Redhead 4 Kit

Comprises 4 Redheads with safety glass and DXX 800W lamps, 4 accessory holders, 4 barndoors, scrim set (1 each of full double, full single, half double, half single), 3 Spartan stands, gaffer grip, in carry case.

i 2.6.2 For Redhead details see page 40.

### Cat No. Description

|       |                     |
|-------|---------------------|
| 23044 | Redhead 4 Kit, 240V |
| 23043 | Redhead 4 Kit, 230V |



Double Blonde Kit

## Double Blonde Kit

Comprises 2 Blonde heads with safety glass and FEX 2000W lamps, 2 barndoors, and scrim set (1 each of full double, full single, half double, half single) in a kit case.

i 2.6.2 For Blonde details see page 40.

### Cat No. Description

|       |                         |
|-------|-------------------------|
| 23024 | Double Blonde Kit, 240V |
| 23023 | Double Blonde Kit, 230V |

## Bambino 650 Kit

Comprises 3 Bambino 650 heads CP89 lamps, 3 barndoors, 3 scrim sets (1 each of full double, full single, half double, half single), 3 colour frames and three Spartan stands in a kit case.

i 2.6.2 For Bambino 650 details see page 42.



Bambino 650 Kit

### Cat No. Description

|       |                       |
|-------|-----------------------|
| 23264 | Bambino 650 Kit, 240V |
| 23263 | Bambino 650 Kit, 230V |

## Bambino/Iadi Kit

Comprises 2 Bambino 650 heads with CP89 650W lamps, 2 barndoors, 2 scrim sets (1 each of full double, full single, half double, half single), and 2 colour frames. 1 Iadi Fill head with P2/20 1000W lamp, plus full double scrim and full single scrim. 3 Spartan stands, in a kit case.

i 2.6.2 For Bambino 650 details see page 42 and Iadi details see page 39.

### Cat No. Description

|       |                    |
|-------|--------------------|
| 23284 | Bambino/Iadi, 240V |
| 23283 | Bambino/Iadi, 230V |

| Throw          | Lux  |      | Ø   |     | Lux  |     | Ø    |     | Lux |      | Ø     |  |
|----------------|------|------|-----|-----|------|-----|------|-----|-----|------|-------|--|
|                | 3m   | 4m   | 3m  | 4m  | 5m   | 6m  | 6m   | 7m  | 7m  | 7m   | 11.4m |  |
| Blonde (F 72°) | 2095 | 910  | 3.8 | 5.7 | 515  | 7.6 | 330  | 9.5 | 230 | 11.4 |       |  |
| Blonde (S 27°) | 6675 | 2970 | 1.7 | 2.6 | 1670 | 3.5 | 1070 | 4.4 | 740 | 5.2  |       |  |

Typical performance based on FEX 2000W lamp.

|        | L   | W   | H   | Ⓛ    | Ⓜ    | Ⓝ     | Ⓞ   | Ⓟ     | Ⓠ | i |
|--------|-----|-----|-----|------|------|-------|-----|-------|---|---|
| Blonde | 225 | 310 | 410 | 3.85 | 14.0 | 0.028 | 250 | 2.5.5 |   |   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)

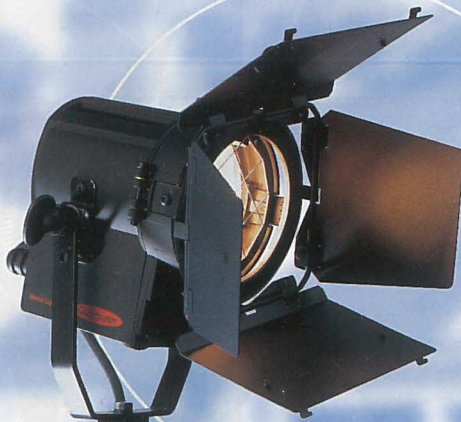
Ⓝ Packed volume (cu.metres) Ⓞ Colour filter cut size (mm)

Ⓟ Strand data sheet reference number Ⓠ Beam diameter in metres F Flood S Spot

**Supplied with:**

4-leaf rotating barndoor, colour frame and 4 metre power cable with in-line toggle switch.

**Optional Accessories:**  
Scrim Set; Variable Aperture Cone.



## BAMBINO™ 500

COMPACT FRESNEL  
500W

- \* Compact and rugged design, ideal for location or studio work
- \* Designed for easy handling in the studio or on location
- \* Will accept 500W CP82 or 300W CP81 lamps
- \* Exceptional performance from 90mm lens
- \* High quality mechanics for years of reliable operation
- \* Unique single sided compact stirrup available as optional accessory

**Bambino 500W**

|       |   |
|-------|---|
| 28081 | Cone, variable aperture - 110mm (4 3/8") diameter |
| 82602 | Small Gaffer Grip 16mm (5/8") spigot              |
| 82020 | Spigot Adaptor 16mm to 29mm (5/8" to 1 1/8")      |
| 81004 | Lightweight Stand with 16mm (5/8") spigot         |
| 82003 | Safety Cable, 457mm (18")                         |

### Bambino 500

Bambino 500 joins the new range of QuartzColor compact fresnels and features the same rugged die cast aluminium construction with wide lamp access door as the popular Bambino 650.

| Cat No. | Description                   |
|---------|-------------------------------|
| 26634   | Bambino 500W, 240V, CP82 Lamp |
| 26633   | Bambino 500W, 230V, CP82 Lamp |

### Bambino 500 Accessories

| Cat No. | Description                                     |
|---------|---|
| 28080   | Additional Colour Frame 110mm (4 3/8") diameter |

### Replacement Lamps for Bambino 500

| Cat No. | Description           |
|---------|-----------------------|
| 43824   | 500W, 240V, CP82 Lamp |
| 43823   | 500W, 230V, CP82 Lamp |
| 43814   | 300W, 240V, CP81 Lamp |
| 43813   | 300W, 230V, CP81 Lamp |



Bambino 1000W

### Bambino 1000W Fresnel

Powerful compact Fresnel with 130mm diameter lens designed for location work and confined studio situations.

| Cat No. | Description         |
|---------|---------------------|
| 26214   | Bambino 1000W, 240V |
| 26213   | Bambino 1000W, 230V |

### Bambino 1000W Accessories

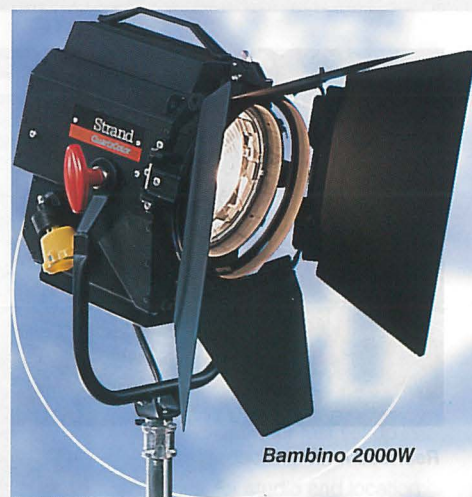
| Cat No. | Description                                       |
|---------|---|
| 28303   | Scrim Set No.3 (full & half 50%; full & half 66%) |
| 28045   | Additional Barndoor, 4-Leaf Rotating              |
| 28046   | Spare Wire Mesh Guard                             |
| 28082   | Additional Colour Frame                           |
| 82002   | Safety Bond, 50kg                                 |
| 82012   | Hook Clamp to accept 29mm Spigot                  |

### Stands for Bambino 500/650/1000W

| Cat No. | Description                        |
|---------|------------------------------------|
| 82020   | 16mm to 29mm Spigot Adaptor        |
| 82603   | Large Gaffer Grip 16mm Spigot      |
| 81009   | Trojan Stand, black                |
| 81011   | Hercules Stand, black with Castors |

### Replacement Lamps for Bambino 1000W

| Cat No. | Description          |
|---------|----------------------|
| 43404   | 1000W 240V CP40 Lamp |
| 43403   | 1000W 230V CP40 Lamp |



Bambino 2000W

## BAMBINO™ 2000

COMPACT FRESNEL  
2000W

- \* Compact 2kW Fresnel, comparable in size and weight to lower wattage spotlights
- \* Specifically designed for location lighting and for situations where physical size is a problem
- \* Manual or pole-operated versions
- \* Constructed in stainless steel for improved durability

## BAMBINO™ 1000

COMPACT FRESNEL  
1000W

- \* Powerful 1000W Fresnel comparable in size and weight to lower wattage spotlights
- \* Specifically designed for location lighting, rental applications and for situations where physical size may be a problem
- \* May be used with 1000W or 650W lamps
- \* Stirrup fitted with 16mm female socket

| Throw               | FC 5m |       | FC 10m |       | FC 15m |        | FC 20m |       |
|---------------------|-------|-------|--------|-------|--------|--------|--------|-------|
|                     | Ø     | Ø     | Ø      | Ø     | Ø      | Ø      | Ø      | Ø     |
| Bambino 500 (F 49°) | 180   | 4.5ft | 45     | 9ft   | 20     | 13.5ft | -      | -     |
| Bambino 500 (S 11°) | -     | -     | 225    | 1.9ft | 100    | 2.9ft  | 55     | 3.8ft |

Typical performance based on 500W CP82 lamp.

| Throw               | 10m |      | 15m |       | 20m |       | 25m |       |
|---------------------|-----|------|-----|-------|-----|-------|-----|-------|
|                     | Ø   | Ø    | Ø   | Ø     | Ø   | Ø     | Ø   | Ø     |
| Bambino 650 (F 49°) | 110 | 10ft | 50  | 15ft  | 25  | 20ft  | -   | -     |
| Bambino 650 (S 11°) | -   | -    | 290 | 2.9ft | 160 | 3.8ft | 100 | 4.8ft |

Typical performance based on 650W CP89 lamp.

| Throw                | Lux 3m |      | Lux 6m |     | Lux 9m |     | Lux 12m |      |
|----------------------|--------|------|--------|-----|--------|-----|---------|------|
|                      | Ø      | Ø    | Ø      | Ø   | Ø      | Ø   | Ø       | Ø    |
| Bambino 1000 (F 56°) | 1250   | 3.2  | 315    | 6.4 | 140    | 9.6 | 80      | 12.8 |
| Bambino 1000 (S 12°) | 7300   | 0.65 | 1825   | 1.3 | 810    | 1.9 | 460     | 2.5  |

Typical performance based on 1000W CP40 lamp.

| Throw                  | 5m   |     | 10m  |      | 15m |      | 20m |      |
|------------------------|------|-----|------|------|-----|------|-----|------|
|                        | Ø    | Ø   | Ø    | Ø    | Ø   | Ø    | Ø   | Ø    |
| Bambino 2000 (F 56.5°) | 1100 | 5.4 | 275  | 10.7 | 125 | 16.1 | 70  | 21.5 |
| Bambino 2000 (S 9.5°)  | 6400 | 0.8 | 1600 | 1.7  | 710 | 2.5  | 400 | 3.3  |

Typical performance based on 2000W CP41 lamp.

| Throw                  | 10m  |     | 20m  |      | 30m |      | 40m |      |
|------------------------|------|-----|------|------|-----|------|-----|------|
|                        | Ø    | Ø   | Ø    | Ø    | Ø   | Ø    | Ø   | Ø    |
| Bambino 5000 (F 48°)   | 1060 | 8.9 | 265  | 17.8 | 120 | 26.7 | 65  | 35.6 |
| Bambino 5000 (S 11.5°) | 4900 | 2.0 | 1225 | 4.0  | 545 | 6.0  | 305 | 8.0  |

Typical performance based on 5000W CP29 lamp.



## BAMBINO™ 650

COMPACT FRESNEL  
650W



- \* Exceptional performance from 130mm diameter lens
- \* Specifically designed for location lighting, rental applications and for tight situations on crowded sets
- \* May be used with 650W, 500W & 300W lamps
- \* Stirrup fitted with 16mm female socket

Bambino 650W

### Bambino 650W Fresnel

Extremely compact location and studio Fresnel with 130mm diameter lens.

#### Cat No. Description

|       |                               |
|-------|-------------------------------|
| 26424 | Bambino 650W, 240V, CP89 Lamp |
| 26423 | Bambino 650W, 230V, CP89 Lamp |

### Bambino 650W Accessories

#### Cat No. Description

|       |   |
|-------|---|
| 28309 | Scrim Set No.9 (full & half 50%; full & half 66%) |
| 28049 | Cone - Variable Aperture                          |
| 28047 | Additional Colour Frame                           |
| 28048 | Additional Barndoor                               |

|       |                                    |
|-------|------------------------------------|
| 82002 | Safety Bond, 50kg                  |
| 82020 | 16mm to 29mm Spigot Adaptor        |
| 82603 | Large Gaffer Grip 16mm Spigot      |
| 81009 | Trojan Stand, Black                |
| 81011 | Hercules Stand, Black with Castors |

### Replacement Lamps for Bambino 650W

#### Cat No. Description

|       |                       |
|-------|-----------------------|
| 43894 | 650W, 240V, CP89 Lamp |
| 43893 | 650W, 230V, CP89 Lamp |

### Bambino 2000W Fresnel

Compact location and studio Fresnel with 150mm diameter lens. Same overall size as Polaris 1000W studio fresnel but with improved ventilation system for 2000W operation where size is critical.

#### Cat No. Description

|       |                                 |
|-------|---------------------------------|
| 26222 | Bambino 2000W, Manual Operation |
| 26230 | Bambino 2000W, Pole Operation   |

### Bambino 2000W Accessories

#### Cat No. Description

|       |   |
|-------|---|
| 28305 | Scrim Set No.5 (full & half 50%; full & half 66%) |
| 28083 | Cone 55mm   |
| 28084 | Cone 75mm   |
| 28085 | Cone 105mm  |
| 28086 | Additional Colour Frame                           |
| 28110 | Additional Barndoor, 4-Leaf Rotating              |
| 28111 | Barndoor, 8-Leaf Rotating                         |
| 28112 | Additional Spare Wire Mesh Guard                  |
| 28113 | Outrig Colour Frame                               |
| 82002 | Safety Bond, 50kg                                 |
| 82012 | Hook Clamp to accept 29mm Spigot                  |
| 81011 | Hercules Stand, Black with Castors                |
| 81022 | Atlas Stand, with Castors                         |
| 82013 | TV-Hook Clamp, 32-62mm to accept 29mm Spigot      |

### Lamps for Bambino 2000W

#### Cat No. Description

|       |                        |
|-------|------------------------|
| 43414 | 2000W, 240V, CP41 Lamp |
| 43413 | 2000W, 230V, CP41 Lamp |



Bambino 5000W

## BAMBINO™ 5000

COMPACT FRESNEL  
5000W

- \* Compact 5kW Fresnel, comparable in size and weight to lower wattage spotlights
- \* Specifically designed for location lighting and rental applications
- \* Dual filament lamp 2.5/5kW or 1.25/3.75kW version available
- \* Manual or pole-operated versions
- \* Rotary power switch fitted
- \* Constructed in stainless steel for improved durability

### Bambino 5000W Fresnel

Compact Location and Studio Fresnel with 250mm diameter lens. Based on the successful Castor 2000W studio fresnel but with the improved ventilation system for 5000W operation.

#### Cat No. Description

|       |                                 |
|-------|---------------------------------|
| 26242 | Bambino 5000W, Manual Operation |
| 26250 | Bambino 5000W, Pole Operation   |

### Bambino 5000W 2.5/5.0kW Fresnel

Variants of standard 5000W model with 4-pin lampholder to accept dual wattage lamp. The 4-pin CP32 lamp has two 2.5kW filaments which may be separately switched to provide 2.5kW or 5kW output. The CP58 lamp has a 1.25kW and a 2.5kW filament which may be separately switched to provide a 1.25kW, 2.5kW or 3.75kW output.

#### Cat No. Description

|       |                                      |
|-------|--------------------------------------|
| 26260 | Bambino 2500/5000W, Manual Operation |
| 26270 | Bambino 2500/5000W, Pole Operation   |

### Bambino 5000W Accessories

#### Cat No. Description

|       |   |
|-------|---|
| 28306 | Scrim Set No.6 (full & half 50%; full & half 66%) |
| 28070 | Additional Barndoor, 4-Leaf Rotating              |
| 28071 | Barndoor, 8-Leaf Rotating                         |
| 28072 | Outrig Colour Frame                               |
| 28073 | Additional Spare Wire Mesh Guard                  |
| 28090 | Cone 110mm  |
| 28091 | Cone 150mm  |
| 28092 | Cone 195mm  |
| 28093 | Additional Colour Frame                           |

### Lamps for Bambino 5000W

#### Cat No. Description

|       |                             |
|-------|-----------------------------|
| 43294 | 5000W, 240V, CP29 Lamp      |
| 43293 | 5000W, 230V, CP29 Lamp      |
| 43324 | 2.5/2.5kW, 240V, CP32 Lamp  |
| 43323 | 2.5/2.5kW, 230V, CP32 Lamp  |
| 43584 | 1.25/2.5kW, 240V, CP58 Lamp |
| 43583 | 1.25/2.5kW, 230V, CP58 Lamp |

### Stands for Bambino 2000/5000W

#### Cat No. Description

|       |  |
|-------|--|
| 81011 | Hercules Stand, Black with Castors           |
| 81022 | Atlas Stand, with Castors                    |
| 82012 | Hook Clamp to accept 29mm Spigot             |
| 82013 | TV-Hook Clamp, 32-62mm to accept 29mm Spigot |
| 81015 | Goliath Stand, black                         |
| 81018 | Samson Stand, black                          |
| 82002 | Safety Bond, 50kg                            |

|              | L   | W   | H   | ⚖    | 📦    | 📦     | ⊙   | i     |
|--------------|-----|-----|-----|------|------|-------|-----|-------|
| Bambino 500  | 162 | 153 | 178 | 2.3  | 3.9  | 0.012 | 110 | 2.2.2 |
| Bambino 650  | 188 | 203 | 203 | 2.6  | 4.5  | 0.029 | 180 | 2.2.2 |
| Bambino 1000 | 243 | 230 | 295 | 5.3  | 7.5  | 0.041 | 180 | 2.2.2 |
| Bambino 2000 | 270 | 292 | 460 | 8.2  | 11.0 | 0.059 | 230 | 2.2.2 |
| Bambino 5000 | 340 | 435 | 516 | 13.5 | 19.0 | 0.105 | 320 | 2.2.2 |

L Length W Width H Height ⚖ Weight of product (kg) 📦 Packed weight (kg)  
 📦 Packed volume (cu.metres) ⊙ Accessory size i Strand data sheet reference number  
 ⊙ Beam diameter in metres F Flood S Spot

**Supplied with:**

 4-leaf rotating barndoor; colour frame;  
 7.5m extension cable.

**Optional Accessories:**

 Scrim Set; Cones; Electronic and  
 Magnetic Ballast; Extension Cables;  
 Stands.

**HMI 200W**

**HMI 400W**
**HMI 575W**

**HMI 1.2kW**


## HMI

### DAYLIGHT FRESNELS

200W, 400W, 575W, 1.2kW, 2.5kW, 4kW, 6kW

- \* Complete family from 200W to 6kW, using single-ended lamps
- \* Specifically designed lenses and reflectors provide superior optical performance
- \* Improved light quality and output, producing flatter and more even field
- \* High quality, rugged, durable
- \* Corrosion resistant
- \* IP23 rated, so the unit can be used outdoors in humid conditions
- \* Compatibility of parts throughout the range
- \* A comprehensive range of accessories, interchangeable with existing Quartzcolor products
- \* Easy to service and maintain
- \* ON-OFF buttons, operated from both head and ballast
- \* Bonding eyes and rigging hooks on larger heads
- \* Front and back focusing on larger heads
- \* New focus system, easy to adapt from manual to pole operation and maintenance-free
- \* Quick release lamp holder
- \* Easy running barndoor ears
- \* Scratch resistant, black, non-reflective housing
- \* All heads supplied with barndoor, colour frame and head to ballast cable
- \* Meets all relevant international standards and regulations

#### HMI 200W Accessories

| Cat No. | Description  |
|---------|--|
| 27020   | HMI 200W   |
| 27021   | HMI 200W Kit, Supplied with Head, Colour Frame, 4-Leaf Rotating Barndoor, 7.5m Extension Cable, Scrim Set, Electronic Ballast, Flight Case |
| 28080   | Colour Frame   |
| 28040   | 4-Leaf Barndoor  |
| 28823   | 7.5m Extension Cable   |
| 28301   | Scrim Set (One Double Scrim, One Single Scrim, One Half Double Scrim, One Half Single Scrim)   |
| 28081   | Cone   |
| 25921   | 200W Electronic Ballast  |
| 28800   | Flight Case  |

#### HMI 400W Accessories

| Cat No. | Description  |
|---------|--|
| 27030   | HMI 400W   |
| 27031   | HMI 400W Kit, Supplied with Head, Colour Frame, 4-Leaf Rotating Barndoor, 7.5m Extension Cable, Scrim Set, Electronic Ballast, Flight Case |
| 28047   | Colour Frame   |
| 28048   | 4-Leaf Barndoor  |
| 28833   | 7.5m Extension Cable   |
| 28309   | Scrim Set (One Double Scrim, One Single Scrim, One Half Double Scrim, One Half Single Scrim)   |
| 28049   | Cone   |
| 25932   | 575/400W Electronic Ballast  |
| 28800   | Flight Case  |

|  | Lux 3m |     | Lux 5m |     | Lux 7m |     | Lux 10m |      |
|--|--------|-----|--------|-----|--------|-----|---------|------|
| HMI 200W (F 49.3°)                           | 939    | 2.7 | 338    | 4.6 | 172    | 6.4 | 84      | 9.2  |
| HMI 200W (S 8°)                              | 5340   | 0.4 | 1924   | 0.7 | 981    | 0.1 | 480     | 1.4  |
| Typical performance based on 200W HMI lamp.  |        |     |        |     |        |     |         |      |
| HMI 400W (F 49.7°)                           | 1700   | 2.8 | 612    | 4.6 | 312    | 6.5 | 153     | 9.3  |
| HMI 400W (S 6.8°)                            | 17890  | 0.3 | 6440   | 0.6 | 3286   | 0.8 | 1720    | 1.2  |
| Typical performance based on 400W HMI lamp.  |        |     |        |     |        |     |         |      |
| HMI 575W (F 56°)                             | 3122   | 3.2 | 1124   | 5.3 | 573    | 7.4 | 281     | 10.6 |
| HMI 575W (S 6°)                              | 35667  | 0.3 | 12840  | 0.5 | 6551   | 0.7 | 3210    | 1.0  |
| Typical performance based on 575W HMI lamp.  |        |     |        |     |        |     |         |      |
| HMI 1200W (F 60.5°)                          | 5111   | 3.4 | 1840   | 5.8 | 939    | 8.1 | 460     | 11.6 |
| HMI 1200W (S 5.8°)                           | 77667  | 0.3 | 27960  | 0.5 | 14265  | 0.7 | 6990    | 1.0  |
| Typical performance based on 1200W HMI lamp. |        |     |        |     |        |     |         |      |

|           | L   | W   | H   | Ⓛ    | Ⓜ    | Ⓜ | Ⓜ | Ⓜ   |
|-----------|-----|-----|-----|------|------|---|---|-----|
| HMI 200W  | 192 | 220 | 329 | 2.5  | 4.5  | - | - | 130 |
| HMI 400W  | 212 | 251 | 397 | 4.0  | 18.5 | - | - | 150 |
| HMI 575W  | 310 | 290 | 580 | 7.5  | 14.0 | - | - | 150 |
| HMI 1200W | 322 | 398 | 659 | 12.5 | 17.5 | - | - | 190 |

 L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓜ Packed volume (cu.metres) Ⓜ Colour filter cut size (mm) Ⓜ Beam diameter in metres  
 F Flood S Spot

HMI 2.5kW



### HMI 575W Accessories

| Cat No. | Description  |
|---------|--|
| 27040   | HMI 575W   |
| 28849   | Colour Frame   |
| 28846   | 4-Leaf Barndoor  |
| 28201   | 7.5m Extension Cable   |
| 28844   | Scrim Set (One Double Scrim, One Single Scrim, One Half Double Scrim, One Half Single Scrim) |
| 28840   | Cone Small   |
| 28841   | Cone Medium  |
| 28842   | Cone Large   |
| 25030   | 1200/575W Electronic Ballast   |
| 25220   | 575W Magnetic Ballast  |
| 28821   | Flight Case  |
| 28401   | Mechanical Dimmer  |
| 28843   | Adaptor Cable to other 575W Ballasts   |

### HMI 1.2kW Accessories

| Cat No. | Description  |
|---------|--|
| 27050   | HMI 1.2kW  |
| 28859   | Colour Frame   |
| 28050   | 4-Leaf Barndoor  |
| 28203   | 7.5m Extension Cable   |
| 28304   | Scrim Set (One Double Scrim, One Single Scrim, One Half Double Scrim, One Half Single Scrim) |
| 28850   | Cone Small   |
| 28851   | Cone Medium  |
| 28852   | Cone Large   |
| 25030   | 1200/575W Electronic Ballast   |
| 25230   | 1200W Magnetic Ballast   |
| 28821   | Flight Case  |
| 28401   | Mechanical Dimmer  |
| 28402   | DMX Dimmer   |

### HMI 2.5kW Accessories

| Cat No. | Description  |
|---------|--|
| 27060   | HMI 2.5kW  |
| 28093   | Colour Frame   |
| 28114   | 4-Leaf Barndoor  |
| 28205   | 7.5m Extension Cable   |
| 28306   | Scrim Set (One Double Scrim, One Single Scrim, One Half Double Scrim, One Half Single Scrim) |
| 28090   | Cone Small   |
| 28091   | Cone Medium  |
| 28092   | Cone Large   |
| 25040   | 2500/1200W Electronic Ballast  |
| 25050   | 4000/2500W Electronic Ballast  |
| 25240   | 2500W Magnetic Ballast   |
| 28821   | Flight Case  |
| 28403   | Mechanical Dimmer  |
| 28404   | DMX Dimmer   |

### HMI 4kW Accessories

| Cat No. | Description  |
|---------|--|
| 27070   | HMI 4kW  |
| 28097   | Colour Frame   |
| 28115   | 4-Leaf Barndoor  |
| 28207   | 7.5m Extension Cable   |
| 28307   | Scrim Set (One Double Scrim, One Single Scrim, One Half Double Scrim, One Half Single Scrim) |
| 28094   | Cone Small   |
| 28095   | Cone Medium  |
| 28096   | Cone Large   |
| 25050   | 4000/2500W Electronic Ballast  |
| 25250   | 4000W Magnetic ballast   |
| 28822   | Flight Case  |
| 28405   | Mechanical Dimmer  |
| 28406   | DMX Dimmer   |
| 28873   | Adaptor Cable to other 4kW Ballasts  |

### HMI 6kW Accessories

| Cat No. | Description                         |
|---------|-------------------------------------|
| 27080   | HMI 6kW                             |
| 28889   | Colour Frame                        |
| 28886   | 4-Leaf Barndoor                     |
| 28209   | 7.5m Cable                          |
| 28884   | Scrim Set                           |
| 28880   | Cone Small                          |
| 28881   | Cone Medium                         |
| 28882   | Cone Large                          |
| 25060   | 6000/4000W Electronic Ballast       |
| 25260   | 6000W Magnetic Ballast              |
| 28822   | Flight Case                         |
| 28407   | Mechanical Dimmer                   |
| 28883   | Adaptor Cable to other 6KW Ballasts |



HMI 4kW



HMI 6kW

Location Luminaires

|                    | Lux   |     | Ø     |      | Lux  |      | Ø    |      |
|--------------------|-------|-----|-------|------|------|------|------|------|
|                    | 5m    | 10m | 7m    | 10m  | 10m  | 15m  | 20m  | 25m  |
| HMI 2500W (F 54°)  | 5280  | 5.0 | 1320  | 10.0 | 567  | 15.3 | 330  | 20.4 |
| HMI 2500W (S 6.8°) | 46400 | 0.5 | 11600 | 1.0  | 5155 | 1.6  | 2900 | 2.0  |

Typical performance based on 2500W HMI lamp.

|                    | Lux   |     | Ø     |      | Lux  |      | Ø    |      |
|--------------------|-------|-----|-------|------|------|------|------|------|
|                    | 10m   | 15m | 20m   | 25m  | 10m  | 15m  | 20m  | 25m  |
| HMI 4000W (F 69°)  | 5280  | 5.0 | 1320  | 10.0 | 567  | 15.3 | 330  | 20.4 |
| HMI 4000W (S 6.8°) | 46400 | 0.5 | 11600 | 1.0  | 5155 | 1.6  | 2900 | 2.0  |

Typical performance based on 4000W HMI lamp.

|                    | Lux   |     | Ø     |      | Lux  |      | Ø    |      |
|--------------------|-------|-----|-------|------|------|------|------|------|
|                    | 10m   | 15m | 20m   | 25m  | 10m  | 15m  | 20m  | 25m  |
| HMI 6000W (F 73°)  | 5280  | 5.0 | 1320  | 10.0 | 567  | 15.3 | 330  | 20.4 |
| HMI 6000W (S 6.8°) | 46400 | 0.5 | 11600 | 1.0  | 5155 | 1.6  | 2900 | 2.0  |

Typical performance based on 6000W HMI lamp.

|           | L   | W   | H    | Ⓛ    | Ⓜ     | Ⓝ | Ⓟ   |
|-----------|-----|-----|------|------|-------|---|-----|
| HMI 2500W | 366 | 455 | 752  | 13.0 | 22.5  | - | 270 |
| HMI 4000W | 405 | 540 | 875  | 17.5 | 28.5  | - | 320 |
| HMI 6000W | 600 | 725 | 1100 | 60.0 | 111.0 | - | -   |

L Length W Width H Height Ⓛ Weight of product (kg) Ⓜ Packed weight (kg)  
 Ⓝ Packed volume (cu.metres) Ⓟ Colour filter cut size (mm) Ø Beam diameter in metres  
 F Flood S Spot



Par 1.2kW



Par 4/2.5kW



Par 12/6kW

**Supplied with:**

Stirrup; 4-leaf rotating barndoor; 7.5m extension cable; Set of lenses in case.

**Optional Accessories:**

Magnetic or Electronic Ballasts, Extension and Adaptor cables. Scrim Sets contain one double, one single, one half double and one half single.



Par 200W



Par 575W

**PAR**

**DAYLIGHT PARLIGHTS**

200W, 575W, 1.2kW, 4/2.5kW, 12/6kW

- \* Complete family, from 200W to 12/6kW, using single-ended lamps
- \* A range of daylight fresnels designed for double-ended HMI lamps
- \* Specifically designed lenses and reflectors, giving superior optical performance
- \* Improved light quality and output - significantly brighter
- \* High quality, rugged, durable
- \* Corrosion resistant for longer life
- \* IP23 rated, so the unit can be used outdoors in humid conditions
- \* Compatibility of parts throughout the range
- \* A comprehensive selection of accessories, interchangeable with existing Quartzcolor products
- \* Easy to service and maintain
- \* Scratch resistant black non-reflective housing
- \* ON-OFF buttons, operated from both head and ballast
- \* Bonding eyes and rigging hooks on larger units
- \* Quick release lamp holder on larger units
- \* Performance lenses mounted in colour coded frames
- \* All heads supplied with barndoor, a set of lenses in case, and head to ballast cable
- \* Meets all relevant international standards and regulations

**PAR 200W Accessories**

| Cat No. | Description  |
|---------|--|
| 27520   | PAR 200W   |
| 27521   | PAR 200 Kit, Supplied with Head, 4-Leaf Rotating Barndoor, 7.5m Extension Cable, Set of 5 Lenses, Scrim Set, Electronic Ballast, Flight Case |
| 28047   | Colour Frame   |
| 28048   | 4-Leaf Barndoor  |
| 28823   | 7.5m Extension Cable   |
| 28828   | 5 Lens Set   |
| 28804   | 5 Lens Set & Case  |
| 28309   | Scrim Set  |
| 28049   | Cone   |
| 28811   | Lens Case  |
| 28801   | Flight Case  |

**PAR 575W Accessories**

| Cat No. | Description  |
|---------|--|
| 27540   | PAR 575W   |
| 27541   | PAR 575 Kit, Supplied with Head, 4-Leaf Rotating Barndoor, 7.5m Extension Cable, set of 6 Lenses, Scrim Set, Electronic Ballast, Flight Case |
| 28086   | Colour Frame   |
| 28110   | 4-Leaf Barndoor  |
| 28201   | 7.5m Extension Cable   |
| 28838   | 6 Lens Set   |
| 28805   | 6 Lens set and Case  |
| 28305   | Scrim Set  |
| 28083   | Cone Small   |
| 28084   | Cone Medium  |
| 28085   | Cone Large   |
| 28811   | Lens Case  |
| 28801   | Flight Case  |

**PAR 1.2kW Accessories**

| Cat No. | Description          |
|---------|----------------------|
| 27550   | PAR 1.2kW            |
| 28093   | Colour Frame         |
| 28114   | 4-Leaf Barndoor      |
| 28203   | 7.5m Extension Cable |
| 28848   | 5 Lens Set           |
| 28806   | 5 Lens Set & Case    |
| 28306   | Scrim Set            |
| 28090   | Cone Small           |
| 28091   | Cone Medium          |
| 28092   | Cone Large           |
| 28812   | Lens Case            |
| 28821   | Flight Case          |

**PAR 4/2.5kW Accessories**

| Cat No. | Description          |
|---------|----------------------|
| 27570   | PAR 4/2.5kW          |
| 28097   | Colour frame         |
| 28115   | 4-Leaf Barndoor      |
| 28207   | 7.5m Extension Cable |
| 28868   | 5 Lens Set           |
| 28808   | 5 Lens Set & Case    |
| 28307   | Scrim Set            |
| 28094   | Cone Small           |
| 28095   | Cone Medium          |
| 28096   | Cone Large           |
| 28812   | Lens Case            |
| 28821   | Flight Case          |

**PAR 12/6kW Accessories**

| Cat No. | Description          |
|---------|----------------------|
| 27590   | PAR 12/6kW           |
| 28899   | Colour Frame         |
| 28896   | 4-Leaf Barndoor      |
| 28211   | 7.5m Extension Cable |
| 28888   | 5 Lens Set           |
| 28810   | 5 Lens Set & Case    |
| 28894   | Scrim Set            |
| 28890   | Cone Small           |
| 28891   | Cone Medium          |
| 28892   | Cone Large           |
| 28813   | Lens Case            |
| 28822   | Flight Case          |



Ballasts

## ELECTRONIC BALLASTS

- \* Constant power regulated output ensures optimum lamp performance
- \* Square wave output ensures flicker free filming at all camera shutter speeds
- \* All models except 200 EB selectable to quiet mode giving modified square wave output to reduce lamp/ignitor noise and maintain flicker free operation at 24/25 fps
- \* All models dimmable to 50%
- \* Auto Start function selectable for preset remote starting
- \* Unique data logging feature on higher wattage models displays operational and diagnostic information by LCD
- \* Power Factor Correction on higher wattage models minimises demands on generators
- \* Auto voltage selection on all universal voltage models
- \* Modular design for convenience in servicing
- \* Compatible with QuartzColor two-way switching but connector panels can be changed to customise with other manufacturers' luminaires.

A range of flicker free electronic ballasts from 200W to 12kW designed to optimise Strand's latest range of HMI luminaires and offering a number of advanced features. Unlike a number of less advanced products using current control of output the Strand ballasts are constant power regulating to guarantee optimum light output irrespective of lamp type and age.

Designed specifically for the rigours of Film and Television location lighting work these ballasts are equally at home in the still photographer's studio where their flicker free operation makes them ideal for sustained lighting in both conventional photography and digital imaging.

All ballasts in the range are suitable for both double ended and single ended HMI Lamps and incorporate dimming to 50% ballasts. All ballasts are fitted with output connectors compatible with Strand HMI products. Other connectors can be fitted to special order.

### Compact Magnetic Ballasts

In addition to our comprehensive range of high specification electronic ballasts, we also offer our proven range of extremely reliable compact magnetic ballasts.

### Electronic Ballasts

| Cat No. | Description                    |
|---------|--------------------------------|
| 25030   | 1200/575W Electronic Ballast   |
| 25040   | 2500/1200W Electronic Ballast  |
| 25050   | 4000/2500W Electronic Ballast  |
| 25060   | 6000/4000W Electronic Ballast  |
| 25070   | 12000/6000W Electronic Ballast |
| 25921   | 200W Electronic Ballast        |
| 25932   | 400W Electronic Ballast        |
| 25941   | 575W Electronic Ballast        |

### Magnetic Ballasts

| Cat No. | Description                         |
|---------|-------------------------------------|
| 25220   | 575W Compact Ballast                |
| 25230   | 1200W Compact Ballast               |
| 25240   | 2500W Compact Ballast               |
| 25250   | 4000W Compact Ballast               |
| 25260   | 6000W Compact Ballast               |
| 25270   | 12000W Compact Ballast              |
| 28032   | Adapter Cable to 25240              |
| 28873   | Adapter Cable to other 4kW Ballasts |
| 28883   | Adapter Cable to other 6kW Ballasts |
| 28893   | Adapter Cable to 25260              |

# THEATRE STANDS, BRACKETS & ACCESSORIES



Theatre Stands 81030, 81031 & 81100



Theatre Stands 93101, 93102 & 93103

- \* A full range of stands for use in the theatre
- \* Stands with fittings to accept 19mm spigots, 29mm spigots and German DIN fixing accessories
- \* Accessories including crossbars also available
- \* The studio stand range can also be used in the theatre

An extensive range of stands is provided to support each of the theatre luminaires in this catalogue. From low level stands for floor mounting smaller stage luminaires, through medium duty stands for general theatre use, to braced followspot stands, there is a stand to cope with all situations.

## Theatre Stands

| Cat No. | Description  |
|---------|--|
| 81002   | Low Stand, 19mm Socket   |
| 81030   | Single Extension Cast-Base Stand, 19mm Socket  |
| 81031   | Tall Double Extension Stand, 19mm Socket   |
| 81100   | Braced Single Extension Followspot Stand, 29mm Socket and Clamping Collar                                  |
| 93101   | Single Extension Stand with M10 Screw to take Universal Head (93110) or DIN 15560 Plate (93109)            |
| 93102   | Double Extension Stand with M10 Screw to take Universal Head (93110) or DIN 15560 Plate (93109)            |
| 93103   | Wind-Up Single Extension Stand with M10 Screw or to take Universal Head (93110) or DIN 15560 Plate (93109) |
| 93105   | Folding, Braced Followspot Stand with 29mm Socket  |
| 93106   | Lightweight Stand with M10/16mm Spigot   |

## Theatre Stand Accessories

| Cat No. | Description  |
|---------|--|
| 93109   | DIN 15560 Plate for 93101, 93102 & 93103   |
| 93110   | Universal Head (29mm TV Socket & 16mm Spigot) for 93101, 93102 & 93103   |
| 93107   | Single Extension to take M10 Screw or Universal Head (93110) or DIN 15560 Plate (93109), 1000mm for 93101, 93102 & 93103 |
| 93112   | Crossbar with nine M10 clearance holes for up to eight Lightweight Luminaires. Supplied with M10 Screw                   |

|       |  |
|-------|--|
| 93113 | Mounting Bracket, 30mm, for second Crossbar (93112) on 93101, 93102 or 93103 Stand |
| 93111 | Mounting Bracket, 36mm, for second Crossbar (93112) on 93102 Stand                 |
| 82041 | Crossbar with Four 4 x M10 Clearance Holes for Lightweight Luminaires, 29mm Spigot |
| 93114 | Set of three braked wheels for 93101, 93102 & 93103 Stand                          |
| 93108 | Set of three braked wheels for 93105 Followspot Stand                              |
| 93204 | DIN 15560 Plate with 29mm Spigot   |
| 93211 | 28mm DIN Spigot with M10 Thread  |
| 82021 | 29mm Spigot with M10 Thread  |
| 82028 | 29mm Spigot with M12 Thread  |
| 82029 | 19mm Spigot with M12 Thread  |
| 82030 | 19mm Spigot with M10 Thread  |
| 93121 | 16mm Spigot with M10 Thread  |

## Theatre Clamps, Brackets & Barrels

| Cat No. | Description  |
|---------|--|
| 82001   | Safety Cable (up to 25kg)  |
| 82010   | Hook Clamp   |
| 82011   | Hook Clamp, Heavy Duty   |
| 82012   | Hook Clamp to accept 29mm Spigot   |
| 82022   | 16mm Socket, M10 Thread  |
| 82203   | Boom Bracket for Vertical 48mm External Barrel with through Hole for M120 Thread |
| 82200   | Wall Bracket for 2 x Small Spotlights (Minim or Quartet)                         |
| 82201   | Heavy Duty Wall Bracket  |
| 82204   | Ceiling Fixing Saddle  |
| 82103   | 48mm External Diameter Barrel, 3m  |
| 82104   | 48mm External Diameter Barrel, 4m  |
| 82206   | Clamping Plate, joins two Barrels end to end                                     |
| 82202   | Universal Mounting Bracket   |
| 82205   | Wall Bracket for fixing 48mm External Diameter Barrel                            |

## SWIVEL MOUNTING BRACKETS

- \* Single or double swivel arm luminaire mounting brackets
- \* Designed for wall mounting or to be fixed to vertical bars
- \* Heavy duty versions are available
- \* M10 fixing with locking levers, or optional DIN-plate or socket for 29mm spigots
- \* 2mm steel construction for strength
- \* The locking levers allow fixing of the luminaire at precise angles
- \* Each wall mounting bracket is supplied with M10 bolt with locking lever to be adjusted in two variable positions as standard

A range of swivelling brackets designed to mount luminaires from vertical walls or barrels in the theatre. They can be used with M10 or M12 suspension holes in luminaire yokes or with optional accessories can take German DIN plates or 29mm spigots.

| Cat No. | Description  |
|---------|--|
| 93115   | Swivel Bracket, Single 500mm Extension, 30kg max.            |
| 93116   | Swivel Bracket, Double 250mm Extension, 25kg max.            |
| 93117   | Heavy Duty Swivel Bracket, Double 250mm Extension, 50kg max. |

## Swivel Mounting Bracket Accessories

| Cat No. | Description   |
|---------|---|
| 93118   | Clamp for Bar Mounting including set of four screws |
| 93109   | Luminaire Plate DIN 15560                           |
| 93119   | Socket to accept 29mm Spigot                        |



Swivel Mounting Brackets

| Cat No. | Description                      | Sockets | Height Max. (mm) | Height Min. (mm) | Tripod Spread (mm) | Folded Length (mm) | Diameter (mm) | Load Max. (kg) | Weight (kg) |
|---------|----------------------------------|---------|------------------|------------------|--------------------|--------------------|---------------|----------------|-------------|
| 81002   | Low Stand                        | 19      | 115              | -                | 305                | -                  | -             | 50             | 1.1         |
| 81030   | Single Extension Cast-Base Stand | 19      | 2380             | 1330             | 375                | 1280               | 110           | 20             | 7.8         |
| 81031   | Tall Double Extension Stand      | 19      | 3800             | 1500             | 500                | 1545               | 170           | 25             | 9.1         |
| 81100   | Braced Followspot Stand          | 29      | 1500             | 900              | 525                | 1070               | 175           | 50             | 6.5         |
| 93101   | Single Extension Stand           | M10     | 2335             | 1380             | 1110               | 1115               | 100           | 40             | 6.0         |
| 93102   | Double Extension Stand           | M10     | 3380             | 1530             | 1110               | 1290               | 100           | 30             | 7.5         |
| 93103   | Wind-Up Single Extension Stand   | M10     | 2275             | 1475             | 1110               | 1240               | 250           | 50             | 6.5         |
| 93105   | Folding, Braced Followspot Stand | 29      | 1600             | 900              | 860                | 1030               | 110           | 50             | 6.9         |
| 93106   | Lightweight Stand                | -       | 2900             | 1200             | 1110               | 1040               | 120           | 10             | 3.1         |




**Atlas 81022 & 3 Section Wind-up Stands 81020**

Strand is able to provide a range of stands, pole supports and grip devices to enable all of its studio and location lights to be mounted in the most effective manner for the particular situation.


**Adjustable Gaffer Grip 82609**

**Magic Arm 82600**

**Gladiator Stand**

### Studio & Location Stands

| Cat No. | Description  |
|---------|--|
| 81001   | Table Stand, 16mm Spigot   |
| 81003   | Mercury, Small Compact Kit Stand, 16mm Spigot, Black   |
| 81005   | Spartan, Medium Compact Kit Stand, 16mm Spigot, Black  |
| 81007   | Apollo, Medium Lightweight Stand, 16mm Spigot, Black   |
| 81009   | Trojan, Large Lightweight Stand, 16mm Spigot, Black  |
| 81012   | Hercules, Single Extension Stand, Universal Head with 29mm Socket & 16mm Spigot, with Castors    |
| 81014   | Hercules, Single Extension Stand, Universal Head with 29mm Socket & 16mm Spigot, without Castors |
| 81015   | Goliath High Lightweight Stand, Universal Head with 29mm Socket & 16mm Spigot, Black             |
| 81018   | Sampson Double Extension Wind-Up Stand, Universal Head with 29mm Socket & 16mm Spigot            |
| 81020   | Triple Extension Wind-Up Stand, Universal Head with 29mm Socket & 16mm Spigot                    |
| 81025   | Gladiator Heavy Duty Double Extension Wind-Up Stand, 29mm Socket, Black                          |

### Studio Stand Accessories

| Cat No. | Description   |
|---------|---|
| 81123   | Extensions for 81012 (Hercules)   |
| 81215   | Set of 3 Unbraked Wheels for 81015 (Goliath)  |
| 81216   | Set of 3 Braked Wheels for 81015 (Goliath)  |
| 82020   | Spigot 16/29mm (Adapts Stand with 29mm Socket to take Luminaire with 16mm Socket)                               |
| 82042   | Crossbar, adapts stands with 16mm spigots to take two lightweight luminaires using Gaffer Grips or Super Clamps |


**Hook Clamp 30-50mm Barrel 82013**

### Studio & Location Grip Equipment

| Cat No. | Description  |
|---------|--|
| 82012   | Hook Clamp, 48mm Barrel, accepts 29mm TV Spigot                              |
| 82013   | Hook Clamp, 30-50mm Barrel, accepts 29mm TV Spigot                           |
| 82014   | Barrel Clamp, 48mm Barrel, accepts 29mm Spigot & 16mm Spigot                 |
| 82023   | 16mm Spigot to adapt 82014 for Luminaires with 16mm Socket                   |
| 82018   | Swiveling Hook Clamp, 28 to 78mm Barrel, 29mm & 16mm Sockets and 16mm Spigot |
| 82600   | Magic Arm Set - Complete with 82606 Superclamp                               |
| 82601   | Large Gaffer Grip with 16mm Spigots  |
| 82602   | Small Gaffer Grip, 16mm Spigot   |
| 82603   | Large Gaffer Grip, 16mm Socket and 16mm Spigot                               |
| 82605   | Handgrip with 16mm Spigot (fits Pulsar, Redhead)                             |
| 82606   | Superclamp, 16mm Socket, jaws adjust from 13 to 55mm                         |
| 82607   | Joining Stud for two Superclamps back to back and rotatable in 6 steps       |
| 82608   | Double Superclamp (two Superclamps fixed back to back at right angles)       |
| 82609   | Large Gaffer Grip with 16mm Spigots & 16mm Socket                            |
| 82612   | Barrel Clamp, 48mm Barrel with 28.5 & 16mm Sockets                           |
| 82613   | Small Gaffer Grip with 16mm spigot & 16mm Socket                             |
| 82851   | Autopole (1.0m to 1.7m)  |
| 82852   | Autopole (1.5m to 2.7m)  |
| 82853   | Autopole (2.1m to 3.7m)  |
| 82854   | Extension Pole (1.5m)  |
| 82855   | Extension Pole (2.0m)  |
| 82856   | Crossbar (2.0m) - requires Crossbar Support Pair                             |
| 82857   | Crossbar Support Pair (to be used with 82608 Superclamps)                    |

| Cat No. | Description                      | Sockets | Spigot (mm) | Height Max. (mm) | Height Min. (mm) | Tripod Spread (mm) | Folded Length (mm) | Diameter (mm) | Load Max (kg) | Weight (kg) |
|---------|----------------------------------|---------|-------------|------------------|------------------|--------------------|--------------------|---------------|---------------|-------------|
| 81001   | Table Stand                      | -       | 16          | 75               | -                | 135                | -                  | -             | -             | 0.16        |
| 81003   | Mercury Small Compact Kit Stand  | -       | 16          | 1900             | 490              | 1000               | 485                | 80            | 4             | 0.95        |
| 81005   | Spartan Medium Compact Kit Stand | -       | 16          | 2400             | 690              | 1020               | 755                | 70            | 5             | 1.25        |
| 81007   | Apollo Medium Lightweight Stand  | -       | 16          | 2500             | 880              | 902                | 860                | 96            | 5             | 1.25        |
| 81009   | Trojan Large Lightweight Stand   | -       | 16          | 2900             | 1030             | 900                | 1000               | 108           | 10            | 2.0         |
| 81012   | Hercules Stand with Castors      | 29      | 16          | 2200             | 1180             | 990                | 1160               | 100           | 30            | 7.5         |
| 81014   | Hercules Stand without Castors   | 29      | 16          | 2200             | 1180             | 990                | 1160               | 100           | 30            | 7.5         |
| 81015   | Goliath High Lightweight Stand   | 29      | 16          | 3700             | 1440             | 1270               | 1440               | 140           | 40            | 7.0         |
| 81018   | Sampson Wind-Up Stand            | 29      | -           | 2470             | 1390             | 1000               | 1652               | 300           | 45            | 17.5        |
| 81020   | 3-Section Wind-Up Stand          | 29      | 16          | 3050             | 1670             | 1280               | 1800               | 230           | 40            | 21.3        |
| 81025   | Gladiator Heavy Duty Stand       | 29      | -           | 3610             | 1620             | 1700               | 1830               | 475           | 120           | 55.0        |

## SINGLE ENDED TUNGSTEN HALOGEN LAMPS

| Watts                      | Designation | Base  | Lumens | Col. Temp. K | Life (hrs) | Luminaire Type                        | Cat No. (240V) | Cat No. (230V) |
|----------------------------|-------------|-------|--------|--------------|------------|---------------------------------------|----------------|----------------|
| <b>T Class 3050K Lamps</b> |             |       |        |              |            |                                       |                |                |
| 650W                       | T26         | GY9.5 | 15000  | 3050         | 400        | <b>Prelude, Quartet</b> , Bambino 650 | 41264          | 41263          |
| 1200W                      | T29         | GX9.5 | 29000  | 3050         | 400        | <b>Cantata</b> , Optique              | 41294          | 41293          |

### CP Class 3200K Lamps

|            |           |       |                   |      |     |  |          |       |
|------------|-----------|-------|-------------------|------|-----|--|----------|-------|
| 500W       | CP82      | GY9.5 | 12500             | 3200 | 150 | Quartet, Prelude, <b>Bambino 500 &amp; 650</b> | 43824    | 43823 |
| 600W       | GKV/HX600 | G9.5  | 12800             | 3200 | 300 | Brio   | 43784    | 43703 |
| 650W       | CP89      | GY9.5 | 16250             | 3200 | 150 | <b>Bambino 650</b> , Quartet, Prelude          | 43894    | 43893 |
| 1000W      | CP40      | G22   | 26000             | 3200 | 250 | <b>Polaris, Bambino 1K</b>                     | 43404    | 43403 |
| 1200W      | CP90      | GX9.5 | 30000             | 3050 | 240 | <b>Optique</b> , Cantata                       | 43904    | 43903 |
| 1250/1250W | CP30      | GX38q | 27000/56000       | 3200 | 300 | <b>Castor 1.2/5kW</b> , Pollux 2.5/5kW         | 43304    | 43303 |
| 2000W      | CP92      | G22   | 52000             | 3200 | 400 | <b>Alto</b> , Toccata, Toccata EP              | 43924    | 43923 |
| 2000W      | CP41      | G38   | 54000             | 3200 | 400 | <b>Castor</b> , Bambino 2K                     | 43414    | 43413 |
| 1250/2500W | CP58      | GX38q | 27000/59000/91000 | 3200 | 300 | Pollux 2.5/5kW, Bambino 5K 2.5/5kW             | 43584    | 43583 |
| 2500/2500W | CP32      | GX38q | 59000/127000      | 3200 | 300 | Pollux 2.5/5kW, Bambino 5K 2.5/5kW             | 43324    | 43323 |
| 5000W      | CP29      | G38   | 135000            | 3200 | 500 | <b>Pollux, Bambino 5K</b>                      | 43294    | 43923 |
| 10kW       | CP83      | G38   | 290000            | 3200 | 500 | <b>Vega</b>                                    | 43834    | 43833 |
| 250W       | A1/223    | G6.35 | 8000              | 3400 | 50  | <b>Firebrigade Redhead</b>                     | 24V only | 45220 |
| 650W       | A1/233    | GZ9.5 | 16500             | 3200 | 50  | <b>Pulsar</b>                                  | 43334    | 43333 |
| 500W       | P2/1      | E27   | 11500             | 3200 | 100 | <b>Pinza</b>                                   | 43014    | 43013 |

## DOUBLE ENDED (LINEAR) TUNGSTEN HALOGEN LAMPS

| Watts | Designation | Base | Lumens | Col. Temp. K | Life (hrs) | Luminaire Type                      | Cat No. (240V) | Cat No. (230V) |
|-------|-------------|------|--------|--------------|------------|-------------------------------------|----------------|----------------|
| 625W  | P2/10       | R7s  | 16900  | 3200         | 200        | Iris, Orion, Arturo                 | 43104          | 43103          |
| 800W  | P2/11       | R7s  | 22000  | 3200         | 150        | Iadi Cyc, Iadi Fill                 | 43114          | 43113          |
| 800W  | P2/13 (DXX) | R7s  | 21400  | 3200         | 75         | <b>Redhead</b>                      | 43134          | 43133          |
| 1000W | P2/35       | R7s  | 26500  | 3200         | 150        | <b>Redhead 1000</b>                 | 43354          | 43353          |
| 2000W | P2/27       | RX7s | 50000  | 3200         | 300        | <b>Blonde</b>                       | 43274          | 43273          |
| 1000W | P2/7        | R7s  | 26000  | 3200         | 200        | Iris, Orion, Arturo                 | 43074          | 43073          |
| 1000W | P2/20       | R7s  | 25500  | 3200         | 200        | <b>Iadi Cyc, Iadi Fill</b>          | 43204          | 43203          |
| 1250W | P2/12       | R7s  | 35000  | 3200         | 200        | Iris, Orion, Arturo                 | 43124          | 43123          |
| 100W  | K14         | R7s  | 1350   | 2850         | 2000       | Miniflood                           | 44144          | 44143          |
| 150W  | K12         | R7s  | 2100   | 2850         | 2000       | Miniflood                           | 44124          | 44123          |
| 200W  | K13         | R7s  | 3000   | 2850         | 2000       | Miniflood                           | 44164          | 44153          |
| 250W  | K15         | R7s  | 4000   | 2900         | 2000       | Miniflood                           | 44154          | 44153          |
| 500W  | K1 Frosted  | R7s  | 9500   | 2900         | 2000       | <b>Nocturne 500, Coda 500, Iadi</b> | 44014          | 44013          |
| 1000W | K4 Frosted  | R7s  | 22000  | 3000         | 2000       | <b>Nocturne 1000, Coda 1000</b>     | 44044          | 44043          |

## SPECIAL LOW VOLTAGE LAMPS

| Watts | Designation    | Base | Lumens | Col. Temp. K | Life (hrs) | Luminaire Type | Volts | Cat No. |
|-------|----------------|------|--------|--------------|------------|----------------|-------|---------|
| 500W  | Crown Silvered | E40  | 12000  | 3050         | 50         | BeamLite 500   | 24    | 45001   |
| 1000W | Crown Silvered | K39d | 23000  | 3050         | 70         | BeamLite 1000  | 24    | 45002   |

## DISCHARGE LAMPS

| Watts | Designation  | Base       | Lumens | Correlated Col. Temp. K | Life (hrs) | Luminaire Type                                       | Cat No. |
|-------|--------------|------------|--------|-------------------------|------------|--|---------|
| 150W  | MBI-T (cool) | G12        | 12000  | 4000                    | 6000       | Hilite   | 42020   |
| 200W  | HMI-SE HR    | GZY 9.5    | 15000  | 5600                    | 200        | SuperNova 200  | 42201   |
| 400W  | MSR HR       | GZZ 9.5    | 32000  | 5600                    | 650        | SuperNova 400  | 42200   |
| 575W  | HMI          | SFC 10-4   | 49000  | 5600                    | 750        | Sirio 575  | 42301   |
| 1200W | HMI          | SFC 15.5-6 | 110000 | 5600                    | 750        | Sirio 1200   | 42302   |
| 1200W | HMI-SE HR    | G38        | 110000 | 5600                    | 800        | SuperNova 25/12, SuperQuasar 25/12                   | 42203   |
| 2500W | HMI          | SFa 21-12  | 240000 | 5600                    | 500        | Sirio 2500   | 42303   |
| 2500W | HMI-SE HR    | G38        | 240000 | 5600                    | 500        | SuperQuasar 25/12 & 40/25<br>SuperNova 25/12 & 40/25 | 42103   |
| 4000W | HMI          | STa 21-12  | 410000 | 5600                    | 500        | Sirio 4000W  | 42304   |
| 4000W | HMI-SE HR    | G38        | 380000 | 5600                    | 500        | SuperNova 40/25, SuperQuasar 40/25                   | 42104   |
| 6000W | HMI          | S25.5X60   | 570000 | 5600                    | 350        | Sirio 6000W  | 42305   |

## COMPACT FLUORESCENT LAMPS

| Watts | Designation | Base      | Lumens | Col. Temp. K | Life (hrs) | Luminaire Type | Cat No. |
|-------|-------------|-----------|--------|--------------|------------|----------------|---------|
| 36W   | 90+ CRI SE  | 2G-11(4p) | 1900   | 3000         | 7000       | VideoLux       | 45910   |
| 36W   | 90+ CRI SE  | 2G-11(4p) | 1900   | 5400         | 7000       | VideoLux       | 45920   |

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### TRAINING

Strand can provide operator and maintenance training for its range of control and dimming products.

### SPARES

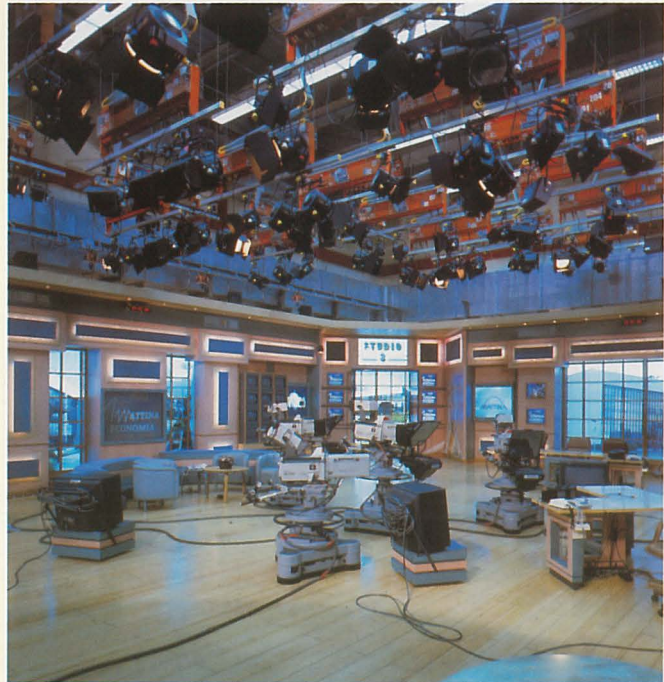
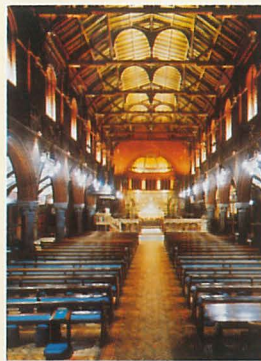
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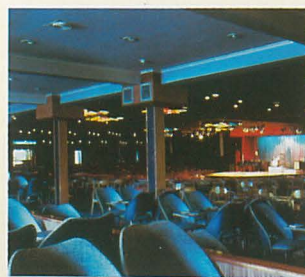


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