



- COMMERCIAL DIMMERS
- RESIDENTIAL DIMMERS
- ELECTRONIC TRANSFORMERS
- COLD CATHODE CONVERTORS
- LED LIGHTING SYSTEMS
- CONTRACT ASSEMBLY



Mode Lighting specialise in the design and manufacture of electronics for lighting, including control systems, electronic transformers, cold cathode convertors, LED systems and other components for the lighting industry. Mode Lighting is part of a group of companies involved in the electronics assembly industry. Other services within the group include circuit design, circuit assembly and PCB production.

From its humble beginnings as a two man partnership in 1970 to a group directly employing over 200 staff, the Mode group occupies over 20,000m² of factory and office space in the UK. It remains 100% privately owned and operates through a network of satellite offices, approved distributors and dealers worldwide, with a group turnover in excess of £20m.

Our emphasis is on product design and customer service. We pride ourselves on being able to offer the highest quality products with unrivalled support and specification advice. Our client base includes Original Equipment Manufacturers, major construction companies, blue chip corporations, multi-national retail brands, leisure groups and residential developers. From one-off specialist designs to roll-out programmes, we work closely with Lighting Designers, Mechanical and Electrical Consultants, Architects, Quantity Surveyors, Interior Designers, Electrical Contractors and Custom Installers. Our aim is to ensure our products meet the demands and exceed the expectations of today's lighting and controls industry, while keeping pace with the ever advancing technologies including new light sources, energy efficient systems and environmentally friendly techniques, both in terms of product application and manufacture.

- 4 DIMMING SYSTEMS
- 5 ColourStyle 512
- 6-7 SceneStyle
- 8-9 Tiger Dimming System
- 10-11 Evolution Controls - Commercial
- 12-13 Evolution Controls - Residential
- 14 Impulse Dimmers
- 15 Mirage Dimmers
- 16 ELECTRONIC TRANSFORMERS
- 17 Electronic Transformers - ET-C
- 18 Electronic Transformers - Puma/Lynx
- 19 Electronic Transformers - ET-HP/XP
- 20 Electronic Transformers - MOE-C/D
- 21 Electronic Transformers - DMX & Custom
- 22 COLD CATHODE CONVERTORS
- 23 Argotran
- 24 Neotran
- 25 Colourtran
- 26-27 LED LIGHTING PRODUCTS
- 28-29 MODE GROUP SERVICES
- 30-34 TECHNICAL SPECIFICATIONS
- 35 REFERENCES & ACKNOWLEDGEMENTS





With nearly 40 years experience in designing dimmers the name Mode Lighting has become synonymous with high quality, reliable control systems. Whether controlling a sports arena, hotel complex or just a single lamp our products have been used on projects ranging from stadiums to shopping malls, restaurants to offices, museum displays to the latest smarthomes.

The products used for these applications can be divided into several groups, from simple retrofit controls and basic scene setting packages to fully scalable control systems encompassing everything in between. The range of products available from Mode allows for the selection of the right product for the project, an important factor in terms of both cost and specification.

Specification is a straightforward process with technically trained engineers on hand to offer advice and assistance in the selection and implementation of the full range of Mode products.



ColourStyle is the latest product from Mode Lighting and is the ultimate DMX Controller for the non-technical user, with a simple and easy to use control interface, self loading scenes and sequences. It is ideal for projects needing a sophisticated level of control without requiring a full understanding of DMX and its applications.

This simplicity makes it perfect for projects where DMX Control is needed but without the use of large theatrical controls suited to stage and concert type applications. With the development of LED technology, DMX has become the chosen standard for reliable control of these fixtures. ColourStyle allows these LED systems to be used with the confidence that the programming can be done by the unit itself, for most installations. Simply tell it what you are controlling and off you go.

The key to ColourStyle is the user interface. Push button selection of favourite patterns or colours, a scroll wheel for brightness and navigation of menus and setup, makes ColourStyle ideal for people not familiar with DMX technologies and values who want to get the most out of their systems without huge amounts of programming.

Simple setup and control aside, ColourStyle is a feature packed and versatile DMX Controller, designed to suit a standard UK double gang wall box. Operating Twin DMX Universes with Ethernet Connectivity for integration, configurable analogue outputs and trigger inputs, astronomical clock and a sound-to-light input (incorporating the key elements from the legendary Mode sound-to-light designs from our days in entertainment controls), ColourStyle brings features normally associated with larger control systems together in a convenient package.

ColourStyle is compatible with any DMX controllable devices including our own Colourtran for cold cathode lighting, CP-00-12 for DMX to analogue control and DMX-ETs for low voltage lighting. It can also be interfaced with Tiger and Evolution control systems.





SceneStyle has been developed by Mode Lighting to bring affordable scene setting and manual control lighting control into every home. Supplied with a remote control handset as standard and with screwless fascias available in a range of finishes to compliment your décor, even the colour of the button indicators can be changed, so it has never been easier to add the finishing touch to any room in the house.



SceneStyle has quickly established itself as the leading retro-fit dimmer product and is available in four circuit and two circuit configurations to suit 47mm deep UK double gang and single gang boxes respectively.

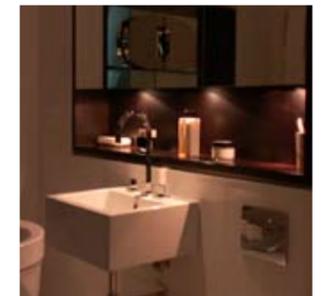
SceneStyle is unique in that it is the only self-contained retro-fit scene setting dimmer that does not require a neutral, making it the ideal solution for any retro-fit application where low voltage halogen, mains voltage halogen, GU10 or standard incandescent lighting is being used. It can also switch certain approved energy-saver type fittings, helping reduce the "carbon footprint" of an installation.



SceneStyle also reduces power consumption and increases lamp life with no noticeable reduction in brightness.

SceneStyle has been designed to directly replace light switches or rotary dimmers and as such installation is quick and easy. Programming is carried out using the buttons on the control plate and no special setup tools or PC are required.

SceneStyle has also been designed for use with conventional mains switches to provide additional control from alternative positions without the need for special slave



control plates, which helps to keep costs down. These switches can provide ON, OFF or scene selection as well as being able to dim lighting up or down together or individually using momentary switches. These features are popular in bedrooms with controls at the door and bedside or open plan apartments with living / kitchen spaces requiring scene setting but with additional local control of lighting.

A built in "holiday" mode triggers scenes at different intervals to mimic occupancy and deter would-be intruders.

SceneStyle is silent in operation and so eliminates the annoying buzzing of low quality rotary dimmers.

Other features include the latest in automated electronic shut down circuitry which avoids the need

for fuses, simplifying operation and maintenance. This constantly monitors for any overload, short or open circuit conditions. If one of these states occurs, SceneStyle will shut down the relevant circuits to protect the user, the fittings and the dimmer itself.

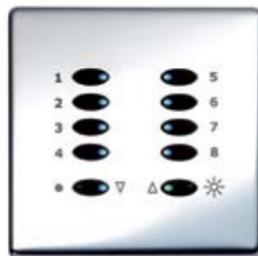
Primarily designed for the residential market, SceneStyle has also gained popularity in the commercial sector where control of small areas such as meeting rooms or hotel bedrooms is desirable, but previously has not been an option due to cost. The cost effectiveness of SceneStyle means that lighting control is now being applied to these smaller commercial applications without the need for specialist cabling or installation.

www.scenestyle.co.uk

TIGER DIMMING SYSTEM



Tiger Systems comprise high power units configurable for dimming and switching operation, which are controlled using simple push button control plates. Tiger Units can be linked together to create systems of up to 99 circuits which can be controlled as 10 separate areas, including partitioning facilities for ballrooms and boardrooms. The first choice for bars, restaurants, meeting rooms and retail shops, Tiger offers an unrivalled level of performance and reliability at a competitive price.

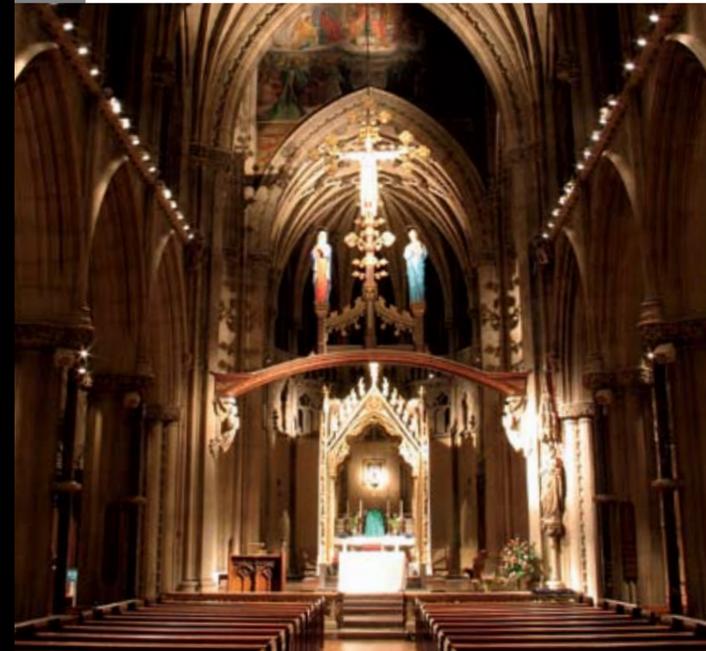


For scene setting control, Tiger Systems utilise single gang control plates which are available in two formats offering six or ten scene operation. As with the SceneStyle and Evolution systems, Tiger controls use screwless MK Aspect Plates, available in a range of finishes. The user can select button indicator colours allowing the control plates and buttons to be configured to match the décor and style of a venue.

Tiger Systems are programmed using just the control plates,

avoiding the need for additional programming tools. This is essential in small to medium scale projects where Tigers are most commonly used. Systems can be easily configured by the installer or end user and no PC is required.

Other features of Tiger Plates include a PIR control input, to aid energy management applications, partition inputs, for sub dividing room control in meeting room clusters or function rooms and scene override inputs, for remote triggering.



Each control plate houses a small infrared detector. A separate handset is available for the remote control of lighting scenes. An optional ceiling mount detector can be used for wide area coverage by remote control and a timeclock module allows lighting changes to be activated automatically.

The Tiger Power Units are available in four different configurations, 6 x 10A, 12 x 10A, 9 x 6A and 18 x 6A offering Single or Three Phase installation, dimming, switched or 1-10V analogue control, individual MCB circuit protection, scene setting, DMX or RS232 control and alarm input triggers all as standard. Tiger Systems provide the specifier and user with a sophisticated control system that is simple to install and operate.

Tiger Power Units use the same design principles which are applied to all Mode products to provide reliable, long service operation. These exacting methods extend to the mechanical and thermo-dynamic designs. Each unit is

easy to install using contractor friendly DIN rail terminals for trusted connections and modular construction for reliable operation and maintenance. Other mechanical benefits include the use of the latest heat transfer materials and technologies to ensure cool running temperatures without the need for cooling fans.

An additional unit that compliments the larger Tiger units is the SPP-06-08, or "Tiger Cub" as it has become known. This is an 8 x 6A, single phase unit which uses the same control principles as the conventional Tiger Units to provide low power operation for smaller installations. This unit has gained popularity in meeting room and residential projects where multi area scene setting is required in a package that is physically compact, cost effective, easy to set up and reliable.



EVOLUTION CONTROLS - COMMERCIAL



The Evolution system was developed by Mode Lighting to expand system capabilities meeting the ever increasing need for lighting systems to provide intelligent, multi protocol control and handle the expanding range of light sources and control options available, from conventional tungsten and low voltage sources, to metal halide, fluorescent and LED lighting.



The unique features and functionality in combination with the versatility of different power handling variants makes the Evolution System the first and ideal choice for any commercial architectural lighting control application. Evolution is suited to large and small scale projects alike. From arenas to boardrooms, hotels to restaurants and cruise ships to bars, the Evolution system covers them all.

Evolution has been described as a "do-all" system. Regardless of the number of channels or type of load

Evolution is easy to specify with all the required protocols included. From DSI, 1-10V and DALI, for fluorescent lighting, to leading and trailing edge dimming, switched operation or DMX for LED and moving head lighting, Evolution has it all. This allows unprecedented flexibility when specifying a control system as a change of fitting does not have to lead to a change of system specification.

Evolution control plates use MK Aspect screwless finishes and are available in a selection of colours. Each button on a control plate has

its own RGB LED indicator, the colour of which is fully selectable, allowing colour coding of keypads to indicate system status, area control or colour selection. Conventional switches can connect into a system, for override control, two-way operation or individual circuit control. This can help reduce the overall cost of a system and provide the venue user with the appropriate level of operation at each control point

Multiple area control, partitioning for function rooms and astronomical time control sit

EVOLUTION

www.evolutioncontrols.com



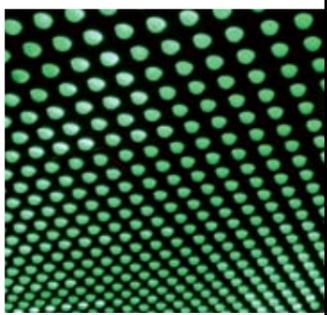
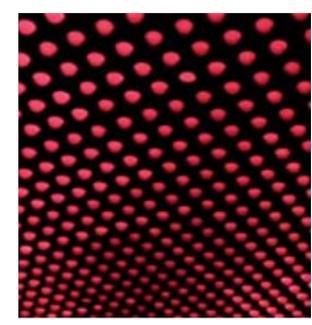
alongside bi-directional RS232 connectivity for integration with AV systems in meeting rooms or Building Management Systems for integrated building control. Programming is carried out using Windows based software which allows swift configuration of the system using drag and drop techniques and automated setup assistants for maximum programming efficiency.

One of the key background elements of Evolution is the built-in operational redundancy

for critical event operation. Each Evolution unit has its own processor, so should power be removed from an Evolution Unit all remaining units will continue to function fully. This is essential in installations with multiple dimmer rack locations where power to one part of the building may need to be shut down but the rest of the building must remain operational.

The Evolution Power and Processor Units are available in a variety of power configurations ranging from 3A to 20A, with leading

edge, trailing edge and high power switching versions all with MCB protection. These are standard off the shelf units and can be linked to create the desired fully networked system. Every Power and Processor Unit has an astronomical timeclock, bi-directional RS232 connection, DSI, 1-10V and DMX output. Emergency outputs are included within each unit and all units can be fed by a Single or Three Phase supply as standard.





EVOLUTION CONTROLS - RESIDENTIAL



Whether for a luxury city apartment, a country estate or anything in between, Evolution brings style, control, flexibility and sophistication to today's smart home and tomorrow's way of life. From the elegance of the screwless finish plates designed to blend harmoniously with any interior, to the selectable plate button LED colours and the ability to integrate with devices around the home, Evolution brings lighting control together with other technologies to create an elegant and refined control solution.

Press a button and your house is in your control. Turn on a single light or the whole house as you arrive home, create pools of light to guide you into rooms and set the ambience to suit your mood. From soft subtle lighting for a relaxed evening, to a vibrant setting across the whole home, for a party, or dimmed down to watch your favourite movie in your home cinema. Evolution is at the heart of your home lighting controls.



Evolution Residential uses the control power and plate styling of its Commercial counterpart,

combining them with compact low-power units suited to residential installations. The system is easy to operate, easy to install, easy to specify and supports the use of lighting controls within today's modern intelligent home by simplifying the integration of different lighting and technologies.

Features such as an RS232 connection allow for seamless integration as part of a whole house smart system where lighting keypads and audio systems can talk without compromise to provide the ultimate user experience.

Whole house control can be implemented for welcome lighting settings, party lighting control, security and holiday modes or any other configuration.

Where technologies such as LEDs and fibre optics are used, the onboard DMX facility allows them to be controlled as easily as a conventional lamp. Reassuring for both installer and user alike.

Rather than use a rigid control method, Evolution offers local scene setting, global control or individual circuit dimming control (we call this Impulse control) as well as timed events and sequencing control for theatrical effects. Press a button to recall

anything from a single lighting scene to a whole sequence of linked events such as close blinds, dim the lights and lower a screen and start a cinematic experience.

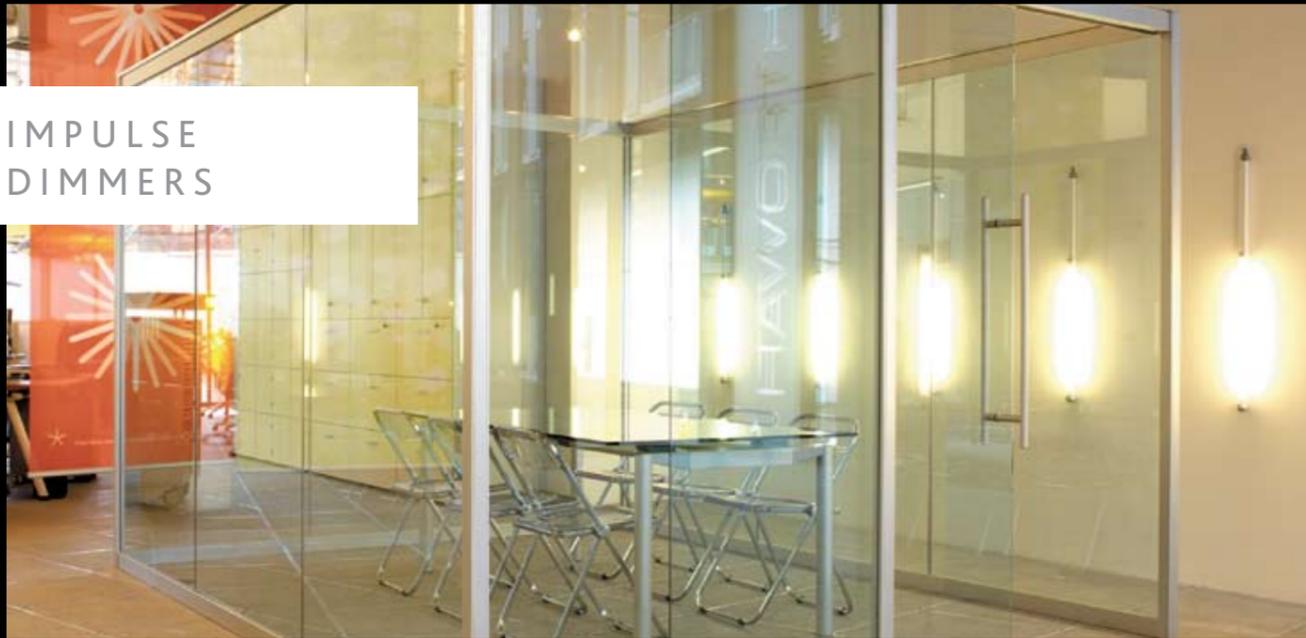
The exact nature of the user control is entirely configurable not only by Evolution control plates but also by the use of conventional switches allowing an Evolution system to be moulded to suit an owner's needs and put them in charge of their home.



www.evolutioncontrols.com

EVOLUTION

IMPULSE DIMMERS



The Impulse products use conventional momentary switches to provide switched or dimming operation of a lighting circuit. ON/OFF and Dimming up/down control is possible through a single momentary switch or centre retractive switch. This allows simple, yet elegant operation of lighting loads without having to use rotary or slider controls and by using momentary switches, multi-position switching is also simplified. Residential applications for Impulse dimmers include living rooms, kitchens, bedrooms and bathrooms, while commercial applications range from hotel bedrooms and meeting rooms to treatment rooms and karaoke music pods.

Impulse is also popular for projects which require a higher load capacity than conventional dimmers can reliably achieve. Where rotary, slider or scene setting control is not desired, Impulse allows designers to select push button plates from any manufacturer allowing a continuity of style from the electrical sockets to the light switches, a design choice usually only afforded on larger projects.

Impulse can operate in two formats. Using a single momentary switch the control cycles between ON and OFF when pressed and dimming up and down when the switch is held. Centre retractive rocker switches can also be used which have two momentary contacts (up and down). These provide ON or dim up and OFF or dim down control of the lighting. Both types of control provide simple intuitive operation of

the lighting in a room, which is especially suited to applications where different people may use the room on a regular basis.

Impulse is available in 500w and 1000w ratings for mains dimming and a 1000w switching unit with 1-10V output for fluorescent control or for linking to our range of slave power units for much higher load handling.



Impulse

MIRAGE DIMMERS



The original "building block" range, Mirage was first introduced in the 1980s. Initially consisting of a selection of wall mounting dimmers, the range has been developed and updated through the years and now comprises a number of components that can be connected together to provide small, basic control systems, usually up to eight circuits in size.

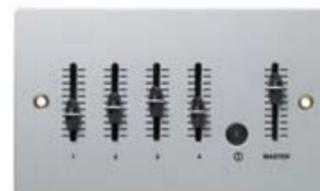
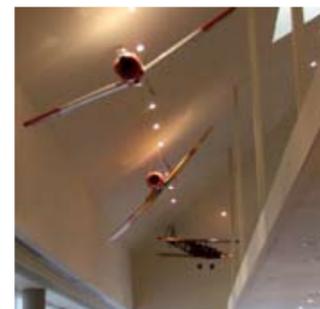
The Mirage range is designed for separate smaller projects where lighting control of some form is desirable, yet budgets do not extend to those of a larger networked system.

Basic systems utilise either four or eight channel sliders, or four channel scene setting buttons to control mains dimming (MP) or 1-10V/switching (MRP) units with MCB protection.

For smaller installations there are self contained industrial dimmers such as the SD1500 and simple

rotary controls for fluorescent lighting, designed for applications where only the most basic level of control is required.

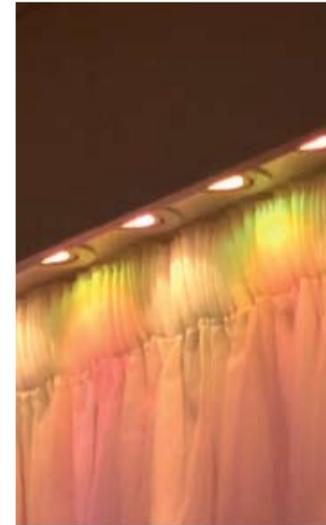
The technologies within Mirage products have been the basis of the developments that have led to the creation of the Tiger System and the flagship Evolution System. With this in mind, many of the Mirage products are compatible with these larger systems, allowing a cost conscious building block structure to be applied to every part of a project.



MIRAGE
by Mode

The first Electronic Transformers from Mode Lighting were designed and sold in 1990. There are now millions of Mode transformers in operation around the world and we have gained an enviable reputation for high quality, high specification transformers which are the first choice of lighting designers and luminaire manufacturers alike. 12V versions of all models are available to control the popular dichroic low voltage lamp and certain styles of transformer are also available with 24V outputs to operate xenon "bud" light systems and specialist projector lamps. Product applications include built-in OEM and remote mounting transformers as well as low power (down to 5VA) and high power (up to 310VA) transformers.

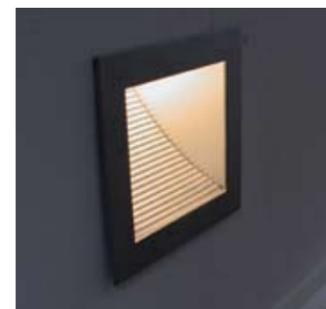
Our designs utilise the best components and techniques available with a no-compromise approach to quality. Output voltages are regulated to avoid over-voltage problems and all our mains dimmable transformers can be dimmed by ANY type of dimmer. The transformer is a key element in the performance of a light fitting package with carefully selected output voltage, short circuit and self regulating thermal protection. Along with full standard compliance our transformers are built for long life, quality performance and peace of mind.



ET-C was the first range of transformers designed by Mode Lighting in 1990 and is still considered by many to be the best electronic transformer available. With a unique circuit design to guarantee compatibility with ANY type of dimmer, a clever mechanical design to ensure near silent operation and hand assembled components for the ultimate in precision manufacturing, ET-C remains one of the best selling products in Mode's history.

The ET-C design uses both mechanical and electronic design skills to provide a unit that is near silent in operation and has been proved in independent evaluations to be the quietest transformer on the market.

ET-C is available in 55VA or 105VA ratings, each with a minimum load rating of 20 watts and is pre-wired with input and output cables. ET-C provides a regulated 11.8V output for optimum performance of 12V lamps.



Hand assembled electrical screening components allow EMC suppression ratings far below the required levels and a unique choke housing allows for near silent performance. As such the ET-C remains the first choice for critical applications requiring operation in high ambient temperatures or low ambient noise areas including theatres, auditoriums and high end residential projects.

The ET-C-SD (Self Dimmable) unit was designed for applications such as art galleries, museum exhibits or retail displays where a large quantity of lights on the same circuit need to be set to different levels. Each Self-Dim transformer is supplied with a rotary adjustment and allows individual transformers to be set to a level which suits the item on display.



ELECTRONIC TRANSFORMERS PUMA/LYNX



Following the success of the ET-C, the PUMA and LYNX transformers were introduced to meet the market demands for fully dimmable lower cost transformers supplied in high volume, while still maintaining the high quality and performance of our other transformers. Both ranges have established themselves as "workhorse" products offering reliable 24/7 operation, with applications ranging from retail displays to hotels and internet cafes.

The PUMA Transformer is available in 35-75VA and 35-105VA ratings with 12V or 24V outputs and is supplied with input and output terminals as standard. PUMA can be adapted with special cable lengths and connectors available to special order.

Designed in the UK, LYNX was developed with the high volume capabilities of offshore manufacturing and component sourcing in mind. With the same

no-compromise approach to transformer designs that has proved so successful in the past, ET-LYNX is a 60VA product available with terminals or cable connections. It utilises the same high quality, first brand components of all our designs and combines this with the benefits of offshore production to bring a budget transformer to the market that still provides the quality, compatibility and reliability you would expect from Mode Lighting.



ELECTRONIC TRANSFORMERS ET-HP/XP



The High Power range of transformers from Mode Lighting were designed originally for use in 12V low voltage track lighting control. The use of electronic transformers for higher power applications has been driven by the need for lighter, more efficient and quieter operation than conventional wirewound transformers and the ET-HP and XP ranges meet this demand. With the development of multi-lamp fittings and 24V light sources, the number of applications has grown and the range now consists of two sizes of transformer, each available in two power ratings with 12V or 24V outputs.



ET-HP refers to the "High Power" 150VA and 210VA products. Similar in style to the PUMA Transformers, the unit is supplied with terminal input connections and brass pillars for reliable installation.

ET-XP refers to the "eXtra Power" 255VA and 315VA products and has the same operational features as the ET-HP range, but with higher power handling capacities.

up to their maximum rating and are available in 12V and 24V versions, which are popular for use with Xenon "bud-light" systems. All ET-HP and ET-XP versions are dimmable by ANY type of dimmer.

Both the ET-HP and ET-XP products operate loads from 50VA



ELECTRONIC TRANSFORMERS MOE-C/D



As manufacturers of transformers, our range includes products designed specifically for OEM Luminaire manufacturers. Bringing the same high quality, reliable performance and long life of our other transformer designs, the MOE products are built with tight footprints for space saving and configurable cable outlets to suit fitting layouts.

MOE transformers offer operation in high ambient temperatures, EMC compliant design, smooth dimming with ANY type of dimmer, short circuit and overload protection. For volume orders, the position of input and output cables and cable finishing can be selected to suit the production requirements of the luminaire manufacturer. As with the ET-C range, Self Dimmable versions are also available for local control of a light fitting.

The MOE-C is a rectangular casing style and the MOE-D is a drum shaped housing offering better weight, heat, noise and dimming performance than conventional

wirewound transformers. Available in 75VA and 105VA as standard, with a minimum load of 20 watts, we are also able to produce special versions suitable for loads as low as a single 5 watt lamp.

As part of the specification process our in-house design and test facilities can be used for compliance testing of the fitting and transformer package as a whole to ensure reliable, standard compliant operation and long life of the fitting.



ELECTRONIC TRANSFORMERS DMX & CUSTOM



We have products in our transformer range to suit most applications, but when a special transformer is required, either a low wattage, a particular output voltage to drive a specialist lamp, or a totally custom assembly to suit a particular design need, our in-house design team can provide advice and quotations for this work.

The DMX-ET is one such product and was developed to meet the demands of theatrical lighting installations where low voltage lighting was required that could be interfaced and controlled individually by a DMX Control System. With our background in the entertainment sector and a wealth of experience in transformer design, this demand

was easily satisfied and the resulting 50-105VA unit can be controlled by any control system with a DMX output, including our own DMX Replay, ColourStyle512 and Evolution Control Systems.



Mode Lighting designed NEOTRAN, the first fully dimmable Electronic Converter for Cold Cathode Lighting in 1994. Since then the range has expanded and now includes products covering applications from cornice lighting, signage, artworks and theatrical stage lighting. Offering energy efficient operation, smooth dimming and safe operation our convertors have become synonymous with high quality cold cathode installations.

Cold Cathode tubes are typically made to order and as such can be made to any size and shape, offering advantages over more traditional light sources such as fluorescent. It is also a high efficiency light source and offers a much lower cost vs light output than LED technologies and therefore still remains the first choice for high brightness cornice and cove detailing.

The expression cold cathode usually refers to installations using white or blue tubes, but it is actually the name for the technology (fluorescent is described as "hot cathode"). This technology covers both Neon-filled (naturally red) and Argon-filled (naturally blue) tubes. Alternative colours are created by coating the inside of the tubes with special phosphors that emit different coloured light dependent on the mixtures and gases used.



ARGOTRAN is designed specifically for the control of Argon-filled tubes and the products are simple to install, safe in operation and fully dimmable. All models have a 995V output voltage, with the range comprising of single and twin high brightness 90mA output units and a single 180mA ultra high brightness unit.

With the emphasis on its high brightness outputs, ARGOTRAN has proved popular in cornice lighting applications where high levels of light are required from a concealed source, quite often working in strong ambient light conditions, to provide the desired impact on a lighting scheme. In many instances the desired effects can be created at a much lower cost per lumen than other technologies such as LED or fibre optic lighting.

With output voltages below 1000V ARGOTRAN products are classified as a low voltage units, thus avoiding the requirement, under current regulations, for a Fireman's Switch to be installed.

The dimmability of ARGOTRAN has made it popular on projects such as ballrooms and restaurants where a dramatic contrast in light levels is required between corporate lunches or exhibitions and intimate dinners or presentations. ARGOTRAN benefits from a compact form, lightweight design, low audible noise and can be dimmed by any type of dimmer, enabling it to drive any length of tubing up to a maximum length as defined in the technical data.

The latest 3C range takes the ARGOTRAN product to the next level by using pluggable power connectors and easy fit HT cable terminals and covers, to dramatically reduce onsite labour time and cost.



ARGOTRAN

COLD CATHODE CONVERTORS NEOTRAN



Designed to solve the problem of how to reliably and safely dim cold cathode, NEOTRAN was the first mains dimmable convertor designed for Neon and Argon tubes. The range now comprises three models ranging from 1000V to 3000V with power outputs from 25mA to 75mA depending on the exact model.

Originally created for control of neon lighting in the entertainment sector where the need for energy efficient, light weight, dimmable and safe convertors was paramount, NEOTRAN units have been installed in applications from nightclub rigs and stage sets to cruise ship lighting, signage and light sculptures. The intrinsically safe design of all our convertors simplifies the installation process

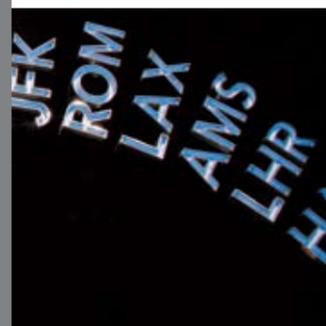
and provides long, reliable service. The most popular NEOTRAN model, the 3kV 25mA unit, is ideal where the tubing can be viewed and a high brightness light output is not required yet a large amount of glass needs to be controlled. In simple terms the current dictates the brightness of a tube and the voltage decides the maximum length of tube that can be driven.

NEOTRAN has been used in daylight replication and colour changing situations and provides smooth and stable dimming of tubes to a low level, or even zero, depending on the dimming systems being used.



NEOTRAN

COLD CATHODE CONVERTORS COLOURTRAN



With colour being used more and more as a tool within lighting designs and with the additional desire to scroll through colours slowly or quickly, the demand for suitable drivers for cold cathode was created. COLOURTRAN blends our knowledge of control gear for Neon and Argon lighting with our experience in theatrical controls to create a three channel convertor controlled by DMX for the smooth dimming of Red, Green and Blue (RGB) tubes to create an almost endless palette of colours (16.77 million to be precise).

Available in three different voltage ratings, which dictate the tube lengths that can be controlled, each unit has a different output current rating which determines the maximum brightness of the tubes. Each COLOURTRAN can be addressed to any DMX address from 001 to 510 allowing for great flexibility when used in conjunction with DMX Control Systems.

COLOURTRAN can be used for more than just RGB installations. It is a three channel Neon/Argon

convertor and therefore can be used for any three channel application from simple control to dawn-dusk simulation using orange, white and blue tubes, or daylight replication using three white tubes of different colour temperatures.

Phase locked outputs allow very smooth dimming of the three channels which operate at high frequency to prevent "camera flicker" seen with some cold cathode and LED products when used on film and TV sets.

For single tube applications the DIGITRAN is a single output version of the popular COLOURTRAN and has been widely used in stage and TV set signage and light artworks.

For simple control there is an infrared receiver system which allows a handset to select any one of seven preset colours, or run a colour cycle. For retail displays patterns can be set using the DMX Replay Unit which can be programmed to run in a "stand alone" mode. More advanced patterns which can be triggered manually or by timeclock control can be generated automatically using the ColourStyle Control Plate.



COLOURTRAN



In recent years, increases in light output coupled with low power consumption and long operating life has resulted in Light Emitting Diodes being used in many diverse circumstances, from maintenance free locations to marker lighting, colour changing and daylight replication installations. Product options vary from simple 5mm devices to high power single or multi circuit arrangements. When matched with a range of power supplies, we have helped create solutions for projects from emergency lighting fixtures, in-ground lights, concealed lighting and for restaurants, spas, swimming pools, home cinemas and exterior lighting installations.



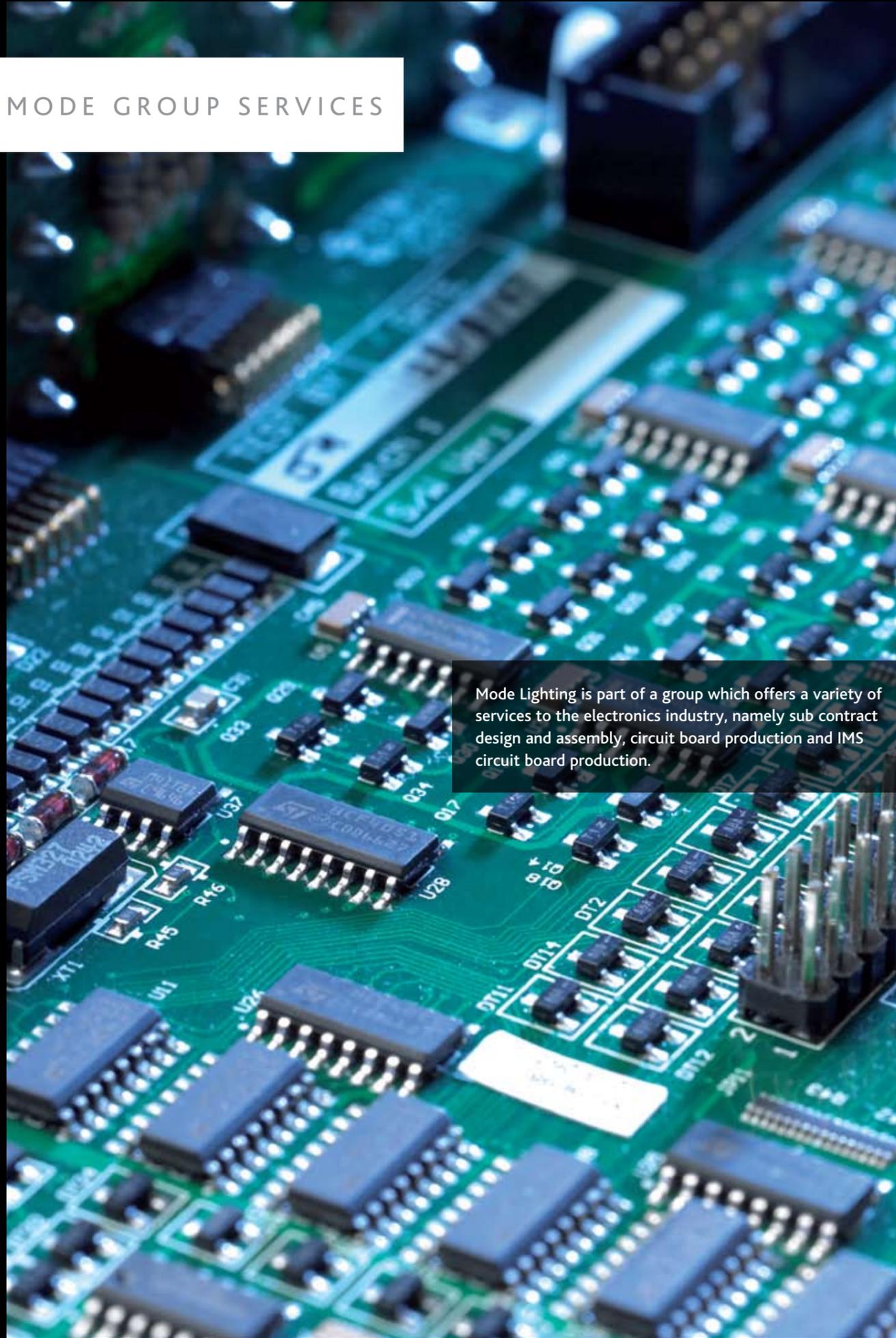
Technologies include the traditional low power LEDs for directly viewed or low light conditions, to high wattage brightness devices with relatively high lumen outputs. Working with major LED chip manufacturers, we aim to bring the best balance of lumen/watt output versus cost to suit the individual application.

Our in-house design and production facilities are highly experienced in LED technologies, from the thermal management of components and metal substrate circuit board design to efficient driver design.

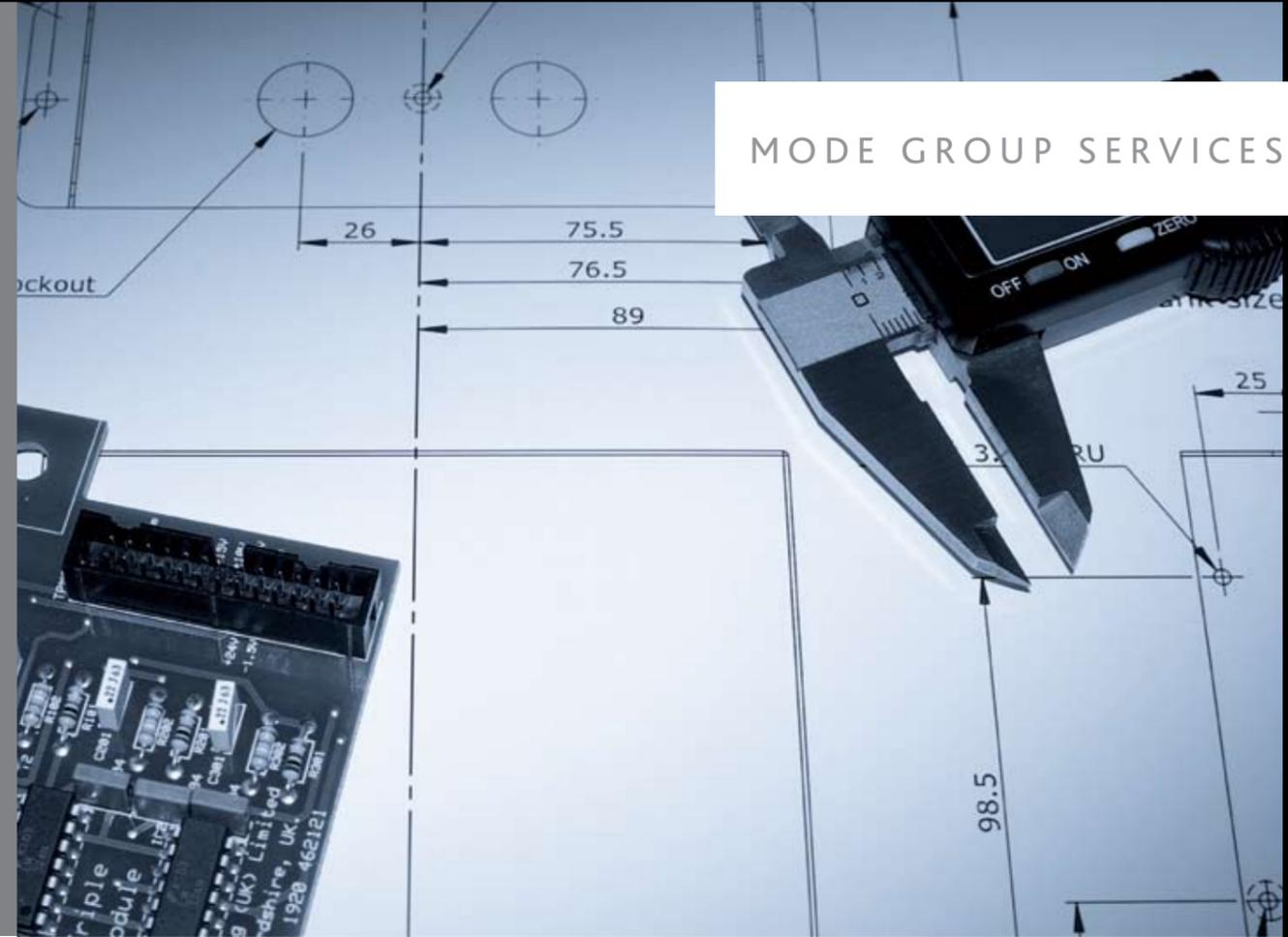
Chosen by many of the world's leading LED and Luminaire companies, our design expertise has been called on for a variety of custom design projects. It is this flexibility that has led to the creation of a range of standard LED products and power supplies which include 5mm LED clusters, with

12V or 24V DC Power Supplies to match and 1w devices in single, three, six, twelve and thirty six LED configurations. These are available in single or multi-circuit layouts, loaded in single or multi-colour, strip or spot formats. Power supplies for high power LEDs are available in single or multi circuit format, switched or DMX dimmable in either 350mA or 700mA variants.





Mode Lighting is part of a group which offers a variety of services to the electronics industry, namely sub contract design and assembly, circuit board production and IMS circuit board production.



Contract Assembly

As an electronics sub contract manufacturer offering a high level of service to UK, European and International clients, we are able to offer full turnkey solutions from the design stage through to full production.

With over 30 years of sub assembly production expertise, our technical experience means every step of the way we can be your outsourcing solution and help make the whole process both cost effective and time saving.

Our contracts division has developed a wealth of experience in many industries, including supply to pharmaceutical manufacturers, MOD suppliers, leisure industries, safety equipment, lighting industry

and LED technology. Services include circuit design, SMT placement, hand assembly, flow solder, chassis building, wiring looms, single, double and multi layer boards, conformal coatings and encapsulation.

A dedicated team of account managers and production engineers ensures that contract clients receive the same high standard of workmanship and supply that we demand for Mode Lighting products. Our approach to contract services is one of developing relationships based on partnership and personal service. Our group offices in Hong Kong and China can provide assistance when volumes would benefit from the use of offshore procurement.

PCB Manufacture and Procurement

Our circuit board division offers manufacturing and supply services of virtually any type of circuit board in any material available. From single sided to 32 layer and Metal Substrate boards, any type of PCB can be produced. We have been working with offshore production facilities for over 15 years and dependent on volume and board technology, manufacture is carried out either in the dedicated PCB facilities in Hertford, UK or through one of our offshore partners. In this way we can offer a complete one-stop shop for the supply of PCBs making the procurement process simpler and more straightforward than other circuit board companies.

The increased use of thermally managed circuit boards using

Insulated Metal Substrate technologies for power electronics and LEDs has resulted in the creation of a separate division concentrating solely on this technology and other thermal management materials. Offering the specialist knowledge and advice required to successfully manage the temperature characteristics of power electronics, DK Thermal Solutions provides a truly independent service matching the material and application to suit the requirement.

EVOLUTION PROCESSOR & POWER UNITS

MODEL	INPUT	POWER OUTPUT	TYPE	CONTROL	DIMENSIONS	WEIGHT
EVO-10-06	SPN or TPN	6 x 10A (9A Inductive)	Dim, Switch, 1-10V	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 322 x 160 mm	10Kgs
EVO-06-09	SPN or TPN	9 x 6A (6A Inductive)	Dim, Switch, 1-10V	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 322 x 160 mm	11Kgs
EVO-10-12	SPN or TPN	12 x 10A (9A Inductive)	Dim, Switch, 1-10V	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 482 x 160 mm	17Kgs
EVO-03-18	SPN or TPN	18 x 3A (3A Inductive)	Dim, Switch, 1-10V	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 322 x 160 mm	12Kgs
EVO-06-18	SPN or TPN	18 x 6A (6A Inductive)	Dim, Switch, 1-10V	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 482 x 160 mm	18Kgs
EVO-03-36	SPN or TPN	36 x 3A (3A Inductive)	Dim, Switch, 1-10V	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 482 x 160 mm	20Kgs
EVO-07-06-TE	SPN or TPN	6 x 7A (Trailing Edge)	Trailing Edge Dimming	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 322 x 160 mm	9Kgs
EVO-05-09-TE	SPN or TPN	9 x 5A (Trailing Edge)	Trailing Edge Dimming	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 322 x 160 mm	10Kgs
EVO-07-12-TE	SPN or TPN	12 x 7A (Trailing Edge)	Trailing Edge Dimming	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 482 x 160 mm	16Kgs
EVO-05-18-TE	SPN or TPN	18 x 5A (Trailing Edge)	Trailing Edge Dimming	M-BUS, RS232, DMX, 0-10V, Contact, DSI, DALI	534 x 482 x 160 mm	17Kgs
EVS-20-06	SPN or TPN	6 x 20A (16A Inductive)	Dimming	M-BUS, DMX	534 x 482 x 160 mm	18Kgs
EVS-20-12-CHA	SPN or TPN	12 x 20A (16A Inductive)	Dimming	M-BUS, DMX	541 x 377 x 190 mm	24Kgs
EVS-RP-16-18-ISO	SPN or TPN	18 x 16A	Switching	M-BUS, DMX	534 x 482 x 160 mm	18Kgs



EVO-10-06 EVO-03-36

EVOLUTION CONTROL PLATES & ACCESSORIES

MODEL	DESCRIPTION	CONTROLS	INPUTS	FINISH	DIMENSIONS
EVO-LCD-55	10 Button LCD Plate	Configurable	M-BUS/Contact	PBR, POC, BSS, WHI	146 x 86 x 35 mm
EVO-SGP-55	10 Button Control Plate	Configurable	M-BUS/Contact	PBR, POC, BSS, WHI	86 x 86 x 35 mm
EVO-SGP-50	5 Button Control Plate	Configurable	M-BUS/Contact	PBR, POC, BSS, WHI	86 x 86 x 35 mm
EVO-SGP-20	2 Button Control Plate	Configurable	M-BUS/Contact	PBR, POC, BSS, WHI	86 x 86 x 35 mm
EVO-SGP-TP-44	8 Button Touch Plate	Configurable	M-BUS/Contact	POC	86 x 86 x 35 mm
EVO-PRO-01	Programming Kit	RS232/M-BUS	RS232/M-BUS	N/A	N/A
EVO-INT-232	RS232, M-BUS Interface	RS232/M-BUS	RS232/M-BUS	Black / Anodised Silver Case	89 x 57 x 26 mm
EVO-INT-CI-08	Contact Interface Module	8 x Configurable volt-free inputs	M-BUS/Contact	N/A	110 x 67 x 26 mm
EVO-INT-CI-04	Contact Interface Module	4 x Configurable volt-free inputs	M-BUS/Contact	N/A	45 x 22 x 9 mm
EVO-INT-IR-TX38	Infrared Transmitter	M-BUS	M-BUS	Black	110 x 67 x 26 mm
EVO-RP-03-02	Inline Relay Module	2 x SPCO Relay Contacts	M-BUS	Black	150 x 49 x 35 mm
EVO-CAB-100-04-D	100m Evolution Cable	N/A	N/A	Blue	1 x 0.55mm ² Screened Pair / 1 x 0.5mm ² Unscreened Pair
EVO-CAB-305-04-D	305m Evolution Cable	N/A	N/A	Blue	1 x 0.55mm ² Screened Pair / 1 x 0.5mm ² Unscreened Pair
EVO-IR-CM	Ceiling Mounting Infrared Receiver	M-BUS	M-BUS	White	75 x 70 mm (Cutout 60mm diameter)
EVO-BUS-02	Bus Network Extender	M-BUS	M-BUS	Black / Anodised Silver Case	220 x 200 x 75 mm
EVO-SGP-KS	Key Operated Switch	Common Key	Contact Closure	PBR, POC, BSS, WHI	86 x 86 x 35 mm
EVO-SGP-PS	Programming Socket	N/A	M-BUS	PBR, POC, BSS, WHI	86 x 86 x 35 mm
IR-00-08	10 Scene Infrared Handset	Push Button	N/A	Textured Grey	120 x 55 x 25 mm



EVO-LCD-55 EVO-SGP-55 EVO-SGP-50 EVO-SGP-20 EVO-SGP-TP-44

TIGER POWER UNITS

MODEL	INPUT	POWER OUTPUT	TYPE	PROTECTION	CONTROL	DIMENSIONS	WEIGHT
TP-10-06	SPN or TPN	6 x 10A (9A Inductive)	Dimming, Switching, 1-10V	MCB	Tiger BUS, DMX, 0-10V, RS232	534 x 322 x 160 mm	10Kgs
TP-06-09	SPN or TPN	9 x 6A (6A Inductive)	Dimming, Switching, 1-10V	MCB	Tiger BUS, DMX, 0-10V, RS232	534 x 322 x 160 mm	11Kgs
TP-10-12	SPN or TPN	12 x 10A (9A Inductive)	Dimming, Switching, 1-10V	MCB	Tiger BUS, DMX, 0-10V, RS232	534 x 482 x 160 mm	17Kgs
TP-06-18	SPN or TPN	18 x 6A (6A Inductive)	Dimming, Switching, 1-10V	MCB	Tiger BUS, DMX, 0-10V, RS232	534 x 482 x 160 mm	18Kgs
SPP-06-08	2 x SPN	8 x 6A (6A Inductive)	Dimming, Switching, 1-10V	MCB	Tiger BUS, DMX, 0-10V, RS232	600 x 262 x 75 mm	6.0Kgs



TP-10-06 TP-06-18

PLATE FINISHES



BSS – Brushed Stainless Steel WHI – White PBR – Polished Brass POC – Polished Chrome

TIGER CONTROL PLATES & ACCESSORIES

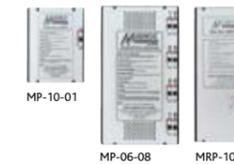
MODEL	DESCRIPTION	CONTROLS	INPUTS	FINISH	DIMENSIONS
TP-SGP-55	10 Button Control Plate	Scene Setting	Tiger BUS/Contact	PBR, POC, BSS, WHI	86 x 86 x 35 mm
TP-SGP-50	5 Button Control Plate	Scene Setting	Tiger BUS/Contact	PBR, POC, BSS, WHI	86 x 86 x 35 mm
IR-00-08	Infrared Handset	Scene Setting	Push Button	Charcoal	120 x 55 x 25 mm
DT-00-08	Infrared Detector	Scene Setting	Tiger BUS/IR	White	Ø75 x 70 mm
RT-00-10	7 Day Remote Timer	7 Day Time Clock	Tiger BUS/Contact	Anodised Silver	220 x 200 x 75 mm
PC-00-01	Photocell	Contact	Daylight Sensor	N/A	2 Module DIN Rail Case



TP-SGP-55 TP-SGP-50 IR-00-08 DT-00-08

MIRAGE POWER UNITS

MODEL	INPUT	POWER OUTPUT	TYPE	PROTECTION	CONTROL	DIMENSIONS	WEIGHT
MP-10-01	SPN	1x 10A (9A Inductive)	Dimming	MCB	0/1-10V	220 x 200 x 75 mm	1.4Kgs
SP-20-01	SPN	1x 20A (16A Inductive)	Dimming	MCB	0-10V	244 x 172 x 87 mm	3.3Kgs
MP-10-04	SPN	4x 10A (9A Inductive)	Dimming	MCB	0-6V/0-10V	470 x 262 x 75 mm	4.3Kgs
MP-06-08	2 x SPN	8x 6A (6A Inductive)	Dimming	MCB	0-6V/0-10V	470 x 262 x 75 mm	4.7Kgs
MRP-10-01	SPN	1x 10A (10A Inductive)	Switching, 1-10V	MCB	0/1-10V	220 x 200 x 75 mm	1.1Kgs
MRP-10-04	SPN	4x 10A (10A Inductive)	Switching, 1-10V	MCB	0/1-10V	470 x 215 x 75 mm	4.2Kgs
TE-03-01	SPN	1x 3A Trailing Edge	Dimming	Overload	1-10V	220 x 45 x 40 mm	0.2Kgs



MP-10-01 MP-06-08 MRP-10-04

MIRAGE DIMMERS, CONTROL PLATES & ACCESSORIES

MODEL	DESCRIPTION	POWER OUTPUT	CHANNELS	OUTPUT	FINISH	DIMENSIONS
SD1500	Self Contained 6A Dimmer	1 x 6A (6A Inductive)	1	230V (Fuse Protected)	Black	178 x 120 x 45 mm
SD2500	Self Contained 10A Dimmer	1 x 10A (9A Inductive)	1	230V (Fuse Protected)	Black	178 x 60 x 95 mm
RDS1R/10/GRID	Rotary Control	1 x 4A (Switched)	1	230V (Switched) & 1-10V	MK Grid Module	60 x 25 x 30 mm
SD-00-04	Slider Control	N/A	4	0-6V or 1-10V	Anodised Silver	155 x 86 x 55 mm
SD-00-08	Slider Control	N/A	8	0-6V or 1-10V	Anodised Silver	155 x 155 x 55 mm
QM-00-04	Quartet 4 channel Master Plate	N/A	4	0-6V or 1-10V	BPL, CHR, BSS	146 x 86 x 35 mm
RS-00-06	Quartet Slave Plate	N/A	N/A	Data	BPL, CHR, BSS	86 x 86 x 22 mm
IR-00-08	Infrared Handset	N/A	N/A	MODE IR Codes	Charcoal	120 x 55 x 25 mm
DT-00-08	Infrared Detector	N/A	N/A	Tiger BUS	White	Ø75 x 70 mm
RT-00-10	7 Day Remote Timer	N/A	N/A	Tiger BUS	Anodised Silver	220 x 200 x 75 mm
PC-00-01	Photocell	N/A	1	Contact	N/A	2 Module DIN Rail Case



SD1500 SD-00-04 QM-00-04

IMPULSE DIMMERS

MODEL	INPUT	POWER OUTPUT	TYPE	PROTECTION	CONTROL	DIMENSIONS	WEIGHT
ID-00-01	SPN	1 x 4A (4A Inductive)	Switching, 1-10V	Fused	Momentary Switch	150 x 49 x 35 mm	0.2Kgs
ID-02-01	Live Only	1 x 2A (2A Inductive)	Dimming	Fused	Momentary Switch	270 x 65 x 42 mm	0.4Kgs
ID-04-01	Live Only	1 x 4A (4A Inductive)	Dimming	Fused	Momentary Switch	270 x 65 x 42 mm	0.4Kgs



ID-00-01 ID-04-01

SCENESTYLE

MODEL	INPUT	POWER OUTPUT	CONTROLS	PROTECTION	FINISH	DIMENSIONS
SCE-02-02	Live Only	1 x 500W, 1 x 250W, 500W Max	Scene Setting & Contact Input	Automatic Short Circuit	PBR, POC, BSS, WHI	86 x 86 x 35 mm
SCE-02-04	Live Only	2 x 500W, 2 x 250W, 1000W Max	Scene Setting & Contact Input	Automatic Short Circuit	PBR, POC, BSS, WHI	146 x 86 x 35 mm



SCE-02-02 SCE-02-04

ELECTRONIC TRANSFORMERS ET-C

MODEL	INPUT	OUTPUT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
ET-055-C-230-RD	230V	11.8V Nominal	20-55VA	Cable/Cable	Leading and Trailing	150 x 40 x 32 mm	0.18Kgs
ET-105-C-230-RD	230V	11.8V Nominal	20-105VA	Cable/Cable	Leading and Trailing	150 x 40 x 32 mm	0.18Kgs
ET-055-C-115-RD	115V	11.8V Nominal	20-50VA	Cable/Cable	Leading and Trailing	150 x 40 x 32 mm	0.18Kgs
ET-105-C-230-SD	230V	11.8V Nominal	20-105VA	Cable/Cable	Self Dimmable	150 x 40 x 32 mm	0.20Kgs



ET-055-C-230-RD

ELECTRONIC TRANSFORMERS ET-PUMA & ET-LYNX

MODEL	INPUT	OUTPUT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
ET-050-PC-230-RD	230V	11.7V Nominal	35-50VA	Terminal/Cable	Leading and Trailing	150 x 49 x 35 mm	0.15Kgs
ET-075-P-230-RD	230V	11.7V Nominal	35-75VA	Terminal/Terminal	Leading and Trailing	150 x 49 x 35 mm	0.15Kgs
ET-105-P-230-RD	230V	11.7V Nominal	35-105VA	Terminal/Terminal	Leading and Trailing	150 x 49 x 35 mm	0.15Kgs
ET-24V-075-P-230-RD	230V	23.4V Nominal	35-75VA	Terminal/Terminal	Leading and Trailing	150 x 49 x 35 mm	0.15Kgs
ET-24V-105-P-230-RD	230V	23.4V Nominal	35-105VA	Terminal/Terminal	Leading and Trailing	150 x 49 x 35 mm	0.15Kgs
ET-060-LC-230-RD	230V	11.7V Nominal	35-60VA	Cable/Cable	Leading and Trailing	150 x 49 x 35 mm	0.12Kgs
ET-060-LT-230-RD	230V	11.7V Nominal	35-60VA	Terminal/Terminal	Leading and Trailing	150 x 49 x 35 mm	0.12Kgs



ET-075-P-230-RD

ET-060-LT-230-RD

ELECTRONIC TRANSFORMERS ET-HP & ET-XP

MODEL	INPUT	OUTPUT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
ET-150-P-230-RD	230V	11.8V Nominal	50-150VA	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.40Kgs
ET-210-P-230-RD	230V	11.8V Nominal	50-210VA	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.40Kgs
ET-255-T-230-RD	230V	11.8V Nominal	50-255VA	Terminal/Terminal	Leading and Trailing	270 x 65 x 42 mm	0.60Kgs
ET-315-T-230-RD	230V	11.8V Nominal	50-315VA	Terminal/Terminal	Leading and Trailing	270 x 65 x 42 mm	0.60Kgs
ET-24V-150-P-230-RD	230V	23.6V Nominal	50-150VA	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.40Kgs
ET-24V-210-P-230-RD	230V	23.6V Nominal	50-210VA	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.40Kgs
ET-24V-255-T-230-RD	230V	23.6V Nominal	50-255VA	Terminal/Terminal	Leading and Trailing	270 x 65 x 42 mm	0.60Kgs
ET-24V-315-T-230-RD	230V	23.6V Nominal	50-315VA	Terminal/Terminal	Leading and Trailing	270 x 65 x 42 mm	0.60Kgs



ET-150-P-230-RD

ET-315-T-230-RD

ELECTRONIC TRANSFORMERS ET-DMX

MODEL	INPUT	OUTPUT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
DMX-105-T-230-DD	230V	11.8V Nominal	50-105VA	Terminal/Terminal	DMX-512	296 x 65 x 42 mm	0.54Kgs
DMX-24V-105-T-230-DD	230V	23.6V Nominal	50-105VA	Terminal/Terminal	DMX-512	296 x 65 x 42 mm	0.54Kgs



DMX-105-T-230-DD

OEM ELECTRONIC TRANSFORMERS MOE-C & MOE-D

MODEL	INPUT	OUTPUT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
MOE-075-C-240-RD	240V	11.2V Nominal	20-75VA	Cable/Cable	Leading and Trailing	94 x 39 x 28 mm	0.16Kgs
MOE-055-C-115-RD	115V	11.2V Nominal	20-55VA	Cable/Cable	Leading and Trailing	94 x 39 x 28 mm	0.16Kgs
MOE-075-C-240-SD	240V	11.2V Nominal	20-75VA	Cable/Cable	Self Dimmable	94 x 39 x 30 mm	0.16Kgs
MOE-105-C-240-RD	240V	11.2V Nominal	20-105VA	Cable/Cable	Leading and Trailing	94 x 39 x 30 mm	0.16Kgs
MOE-105-C-240-SD	240V	11.2V Nominal	20-105VA	Cable/Cable	Self Dimmable	94 x 39 x 30 mm	0.16Kgs
MOE-050-C-240-RD	240V	11.2V Nominal	5-50VA	Cable/Cable	Leading and Trailing	94 x 39 x 30 mm	0.16Kgs
MOE-035-C-240-RD	240V	6.0V Nominal	10-35VA	Cable/Cable	Leading and Trailing	94 x 39 x 30 mm	0.16Kgs
MOE-075-D-240-RD	240V	11.2V Nominal	20-75VA	Cable/Cable	Leading and Trailing	62 x 54 x 50 mm	0.24Kgs
MOE-055-D-115-RD	115V	11.2V Nominal	20-55VA	Cable/Cable	Leading and Trailing	62 x 54 x 50 mm	0.24Kgs
MOE-075-D-240-SD	240V	11.2V Nominal	20-75VA	Cable/Cable	Self Dimmable	62 x 54 x 50 mm	0.24Kgs
MOE-105-D-240-RD	240V	11.2V Nominal	20-105VA	Cable/Cable	Leading and Trailing	62 x 54 x 50 mm	0.24Kgs
MOE-105-D-240-SD	240V	11.2V Nominal	20-105VA	Cable/Cable	Self Dimmable	62 x 54 x 50 mm	0.24Kgs
MOE-050-D-240-RD	240V	11.2V Nominal	5-50VA	Cable/Cable	Leading and Trailing	62 x 54 x 50 mm	0.24Kgs



MOE-075-C-240-RD

MOE-105-D-240-RD

NEON/ARGON CONVERTORS - NEOTRAN

MODEL	INPUT	OUTPUT	CURRENT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
NEO-30-025-T-230-RD	230V	3000V	25mA	50W	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.25Kgs
NEO-15-050-T-230-RD	230V	1500V	50mA	50W	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.25Kgs
NEO-10-075-T-230-RD	230V	995V	75mA	50W	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.25Kgs



NEO-30-025-T-230-RD

COLD CATHODE CONVERTORS - ARGOTRAN

MODEL	INPUT	OUTPUT	CURRENT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
ARG-10-090-T-230-RD	230V	995V	90mA	60W	Terminal/Terminal	Leading and Trailing	190 x 54 x 40 mm	0.26Kgs
ARG-10-180-T-230-RD	230V	995V	180mA	120W	Cable/Terminal	Leading and Trailing	296 x 65 x 42 mm	0.51Kgs
ARG-210-090-T-230-RD	230V	2 x 995V	2 x 90mA	120W	Cable/Terminal	Leading and Trailing	296 x 65 x 42 mm	0.51Kgs



ARG-10-090-T-230-RD

ARG-10-180-T-230-RD

NEON/ARGON CONVERTORS - DIGITRAN

MODEL	INPUT	OUTPUT	CURRENT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
DIG-30-025-T-230-DD	230V	3000V	25mA	50W	Terminal/Terminal	DMX512	296 x 65 x 42 mm	0.50Kgs
DIG-15-050-T-230-DD	230V	1500V	50mA	50W	Terminal/Terminal	DMX512	296 x 65 x 42 mm	0.50Kgs
DIG-10-075-T-230-DD	230V	995V	75mA	50W	Terminal/Terminal	DMX512	296 x 65 x 42 mm	0.50Kgs



DIG-30-025-T-230-DD

NEON/ARGON CONVERTORS - COLOURTRAN

MODEL	INPUT	OUTPUT	CURRENT	POWER	CONNECTIONS	DIMMABLE	DIMENSIONS	WEIGHT
CTR-330-025-T-230-DD	230V	3 x 3000V	3 x 25mA	150W	Terminal/Terminal	DMX512	410 x 110 x 43 mm	0.97Kgs
CTR-315-050-T-230-DD	230V	3 x 1500V	3 x 50mA	150W	Terminal/Terminal	DMX512	410 x 110 x 43 mm	0.97Kgs
CTR-310-075-T-230-DD	230V	3 x 995V	3 x 75mA	150W	Terminal/Terminal	DMX512	410 x 110 x 43 mm	0.97Kgs



CTR-330-025-T-230-DD

DMX CONTROL PRODUCTS

MODEL	DESCRIPTION	OUTPUT	INPUT VOLTAGE	FINISH	DIMENSIONS
COL-LCD-512	ColourStyle Twin Universe DMX Controller	2 X 512 Channel DMX Universes	12-15V	PBR, POC, BSS, WHI	146 x 86 x 35 mm
DMX-00-248	Programmable DMX Interface	248ch DMX	9-15V	Blue	94 x 80 x 42 mm
CTR-DT-00-01	Infrared receiver, mini case	3ch DMX	5V	Grey	70 x 31 x 25 mm
IR-00-08	Infrared handset	Infrared	N/A	Grey	120 x 55 x 25 mm



COL-LCD-512

DMX-00-248

CTR-DT-00-01

COLOUR MIXING CONTROL EQUIPMENT

MODEL	DESCRIPTION	INPUT	POWER OUTPUT	TYPE	PROTECTION	CONTROL	FINISH	DIMENSIONS
NFL-25-01-T	Electronic Flasher unit	SPN	1 x 1A (1A Inductive)	Switching	Fuse	Speed/Static	White	190 x 40 x 40 mm
CMP-03-04	Colour Mix Plus Controller	SPN	4 x 3A (3A Inductive)	Dimming	Fuse	Colour, Cycle/Static	Anodised Silver	220 x 125 x 95 mm
CM-00-04	Colour Mix Controller	15V DC	4 x 0-6/1-10V DC	Analogue	N/A	Colour, Cycle/Static	BPL, BSS	146 x 86 x 35 mm
CF2	Crossfade Two	SPN	2 x 5A (5A Inductive)	Dimming	Fuse	Speed, Dim and Crosspoint	Anodised Black	279 x 157 x 67 mm



CM-00-04

CF2

LED POWER SUPPLIES

MODEL	INPUT	OUTPUT	POWER	CONNECTIONS	DIMENSIONS	WEIGHT
PSU-12V-018-T-230-ND	230V	12V DC	3-18W	Terminal/Terminal	150 x 49 x 35 mm	0.12Kgs
PSU-24V-018-T-230-ND	230V	24V DC	3-18W	Terminal/Terminal	150 x 49 x 35 mm	0.12Kgs
PSU-24V-130-T-230-ND	230V	24V DC	15-130W	IEC/Cable	196 x 88 x 29 mm	0.96Kgs
PSU-48V-312-230-DMX	230V	48V	36W	Mains IEC Inlet / XLR DMX In/Out RJ45 LED Out	236 x 95 x 60 mm	0.62Kgs

LOW POWER LED DISC 50MM

MODEL	INPUT	COLOUR	POWER	OPERATION	DIMENSIONS	WEIGHT
LED-18-D-024-RD/RED	24V DC	Red	1.5W	1-10V Dimmable	Ø50 x 30 mm	0.03 Kgs
LED-18-D-024-RD/GRN	24V DC	Green	1.5W	1-10V Dimmable	Ø50 x 30 mm	0.03 Kgs
LED-18-D-024-RD/BLU	24V DC	Blue	1.5W	1-10V Dimmable	Ø50 x 30 mm	0.03 Kgs
LED-18-D-024-RD/WHI	24V DC	White	1.5W	1-10V Dimmable	Ø50 x 30 mm	0.03 Kgs
LED-18-D-024-DMX/RGB	24V DC	RGB	1.5W	1-10V or DMX Dimmable	Ø50 x 30 mm	0.03 Kgs

LOW POWER LED DISC 111MM

MODEL	INPUT	COLOUR	POWER	OPERATION	DIMENSIONS	WEIGHT
LED-72-D-024-RD/RED	24V DC	Red	6.0W	1-10V Dimmable	Ø111 x 35 mm	0.13 Kgs
LED-72-D-024-RD/GRN	24V DC	Green	6.0W	1-10V Dimmable	Ø111 x 35 mm	0.13 Kgs
LED-72-D-024-RD/BLU	24V DC	Blue	6.0W	1-10V Dimmable	Ø111 x 35 mm	0.13 Kgs
LED-72-D-024-RD/WHI	24V DC	White	6.0W	1-10V Dimmable	Ø111 x 35 mm	0.13 Kgs
LED-72-D-024-DMX/RGB	24V DC	RGB	6.0W	1-10V or DMX Dimmable	Ø111 x 35 mm	0.13 Kgs

LOW POWER LED STRIP

MODEL	INPUT	COLOUR	POWER	OPERATION	DIMENSIONS	WEIGHT
LED-20-S-024-ND/RED	24V DC	Red	2.4W	Switched	400 x 10 x 13 mm	0.02 Kgs
LED-20-S-024-ND/GRN	24V DC	Green	2.4W	Switched	400 x 10 x 13 mm	0.02 Kgs
LED-20-S-024-ND/BLU	24V DC	Blue	2.4W	Switched	400 x 10 x 13 mm	0.02 Kgs
LED-20-S-024-ND/WHI	24V DC	White	2.4W	Switched	400 x 10 x 13 mm	0.02 Kgs

HIGH POWER LED MODULES

MODEL	DESCRIPTION	INPUT	COLOUR	POWER	OPERATION	DIMENSIONS	WEIGHT
LED-03-RGB-25	3 LED RGB MR16 Module with 25 Degree Optics	RJ45 Connector	RGB	3 x 1W	Constant Current Control	Ø50 x 35 mm	0.07Kgs
LED-03-WHI-25	3 LED White MR16 Module with 25 Degree Optics	RJ45 Connector	White	3 x 1W	Constant Current Control	Ø50 x 35 mm	0.07Kgs
LED-06-RGB-25	6 LED RGB MR16 Module with 25 Degree Optics	RJ45 Connector	RGB	6 x 1W	Constant Current Control	Ø50 x 42 mm	0.10Kgs
LED-06-WHI-25	6 LED White MR16 Module with 25 Degree Optics	RJ45 Connector	White	6 x 1W	Constant Current Control	Ø50 x 42 mm	0.10Kgs
LED-12-RGB-25	12 LED RGB AR111 Module with 25 Degree Optics	RJ45 Connector	RGB	12 x 1W	Constant Current Control	Ø110 x 40 mm	0.80Kgs
LED-12-WHI-25	12 LED White AR111 Module with 25 Degree Optics	RJ45 Connector	White	12 x 1W	Constant Current Control	Ø110 x 40 mm	0.80Kgs
LED-12-RGB-25-IP	12 LED IP68 RGB AR111 Module with 25 Degree Optics	RJ45 Cable 3m	RGB	12 x 1W	Constant Current Control	Ø110 x 40 mm	0.80Kgs
LED-12-WHI-25-IP	12 LED IP68 White AR111 Module with 25 Degree Optics	RJ45 Cable 3m	White	12 x 1W	Constant Current Control	Ø110 x 40 mm	0.80Kgs
LED-36-RGB-25-IP	36 LED IP68 RGB Module with 25 Degree Optics	RJ45 Cable 3m	RGB	36 x 1W	Constant Current Control	Ø171 x 75 mm	2.35Kgs
LED-36-WHI-25-IP	36 LED IP68 White Module with 25 Degree Optics	RJ45 Cable 3m	White	36 x 1W	Constant Current Control	Ø171 x 75 mm	2.35Kgs

High Power LED modules are also available with 6°, 15° and 8° x 25° optics to special order.

HIGH POWER LED STRIPS

MODEL	DESCRIPTION	INPUT	COLOUR	POWER	OPERATION	DIMENSIONS	WEIGHT
LED-200-RGB-OV-IP	IP67 6 LED 200mm RGB Strip with 8 x 25 Degree Optics	RJ45 Cable 5m	RGB	6 x 1W	Constant Current Control	231 x 62 x 28 mm	0.7Kgs
LED-200-WHI-OV-IP	IP67 6 LED 200mm White Strip with 8 x 25 Degree Optics	RJ45 Cable 5m	White	6 x 1W	Constant Current Control	231 x 62 x 28 mm	0.7Kgs
LED-400-RGB-OV-IP	IP67 12 LED 400mm RGB Strip with 8 x 25 Degree Optics	RJ45 Cable 5m	RGB	12 x 1W	Constant Current Control	431 x 62 x 28 mm	1.0Kgs
LED-400-WHI-OV-IP	IP67 12 LED 400mm White Strip with 8 x 25 Degree Optics	RJ45 Cable 5m	White	12 x 1W	Constant Current Control	431 x 62 x 28 mm	1.0Kgs
LED-600-RGB-OV-IP	IP67 18 LED 600mm RGB Strip with 8 x 25 Degree Optics	RJ45 Cable 5m	RGB	18 x 1W	Constant Current Control	631 x 62 x 28 mm	1.3Kgs
LED-600-WHI-OV-IP	IP67 18 LED 600mm White Strip with 8 x 25 Degree Optics	RJ45 Cable 5m	White	18 x 1W	Constant Current Control	631 x 62 x 28 mm	1.3Kgs
LED-800-RGB-OV-IP	IP67 24 LED 800mm RGB Strip with 8 x 25 Degree Optics	RJ45 Cable 5m	RGB	24 x 1W	Constant Current Control	831 x 62 x 28 mm	1.6Kgs
LED-800-WHI-OV-IP	IP67 24 LED 800mm White Strip	RJ45 Cable 5m	White	24 x 1W	Constant Current Control	831 x 62 x 28 mm	1.6Kgs
LED-1200-RGB-OV-IP	IP67 36 LED 1200mm RGB Strip	RJ45 Cable 5m	RGB	36 x 1W	Constant Current Control	1231 x 62 x 28 mm	2.35Kgs
LED-1200-WHI-OV-IP	IP67 36 LED 1200mm White Strip	RJ45 Cable 5m	White	36 x 1W	Constant Current Control	1231 x 62 x 28 mm	2.35Kgs

High Power LED strips are also available with 6°, 15°, 25° and non-optic versions to special order.

Reference Projects

AKS Porto Heli Conference Centre (Greece), Alliance & Leicester (Nationwide), Amora – The Academy of Sex and Relationships (London), Apex Hotel Group (Nationwide), Ashford International Hotel (Ashford), Astoria Hotel (Belgium), Autumn Lodge (Cotterstock), Baden City Hall (Switzerland), Baneasa Shopping Complex (Romania), Beefeater Restaurants (Nationwide), Beetham Tower (Liverpool), Beetham Tower Penthouse (Liverpool), Beis Ruchel School (Manchester), Bill Amberg (London), BP Visitors Centre (Azerbaijan), Bravo Bravo (Heathrow), British Film Institute (London), Broadway House (Great Dunmow), Brunel University (Bristol), Buckingham Palace (London), Café Andaluz (Edinburgh), Camino Restaurant (London), Castleknock Hotel (Ireland), Charleroi Airport Hotel (Belgium), Chase Hotel (Ross On Wye), Chez Gerard (Nationwide), Christies (London), Church of Christ The King (Brighton), Copenhagen Opera House (Denmark), Crewe Hall Hotel (Crewe), Cuckoo Club (London), De Vere Cavendish (London), Drummarlane Mill (Ireland), Eagle Bar & Diner (Newcastle), Earls Court Exhibition Centre (London), EMAP Metro Radio (Newcastle), English Lakes Hotel Group (Nationwide), Ferrari F1 Team Motor Home (International), Green Isle Hotel (Ireland), Greyhound Track (Romford), Grosvenor Casinos (Nationwide), Haworth Showroom (London), Henley Rowing Club (Henley), Holiday Inn Hotels (Nationwide), Hong Kong Movie City (Hong Kong), Hotel Bucharesti (Romania), Hotel Floris (Brussels), Hotels van Oranje (Netherlands), Huxleys (Heathrow), Ice Bar (London), Imax Cinema Centre (Germany), Ingelby Gallery (Edinburgh), Jack Barclay Showroom (Mayfair), JD Wetherspoon Public Houses (Nationwide), Jurys Hotels (National), King's College (London), King's Library (British Museum – London), Kingston Rotunda Shopping Centre (Kingston), Lakeshore (Windermere), Lamborghini Showroom (London), Le Monde Hotel (Edinburgh), Leeds University (Leeds), Lexus Showrooms (Nationwide), Leyland Hotel (Lancaster), Lindsey's (Edinburgh), London School of Economics (London), Lucky Voice (London), Mamma Mia Stage Musical (New York, Las Vegas, Utrecht and London), Manor House (Cheshire), Microsoft Corporation (Reading), Middlesbrough Art Gallery (Middlesbrough), Midland Hotel (Morecambe), MNG (Chinese Restaurant), Museum of Scotland (Edinburgh), National Library of Scotland (Edinburgh), OCL Offices (Basildon), Oddfellows (Chester), Orange Stores (Nationwide), Oranmore (Glasgow), Our Lady of the Victories Church (Market Harborough), Oxygen Bar (Dubai), Panacea (Manchester), Piccolinos (Nationwide), Pier Arts Centre (Stromess), Pizza Hut (Nationwide), Plateau Restaurant (Canary Wharf), Private Residence (F1 Client) (East Anglia), Private Residence (Premiership Footballer) (Cheshire), Private Residence, Riverside Apartment (London), Q Hotels (Nationwide), Queen Mary 2 Cruise Ship (France), Reuters (Docklands), Revolution Bars (Nationwide), Riverbank Park Plaza (London), Royal Children's Hospital (Bristol), Royal College of Physicians (Dublin), Royal Exchange (London), Sacred Heart Church (Leicester), Saga Ruby Cruise Ship, Schiphol Airport (The Netherlands), Scottish Widows (Edinburgh), Shaftesbury Avenue Apartments (London), Shanghai Opera House (Shanghai), Sky Bar (Liverpool), Sky Nightclub (Ware), Sol Central Leisure (Northampton), Sony (Hammersmith), South Edwardes Square Private Residence (London), Speedmaster Cars (York), St Alban Restaurant (London), St Andrew's (Newcastle), St Helen's (Auckland), St James' Palace (London), St Lawrence at Appleby (Cumbria), St Mary's Church (Dorset), St Wilfred's (Blyth), Stella McCartney (London), Summer Row (Birmingham), T Mobile (International), Tate Modern Art Gallery (London), The Boltons (London), The Clarence Hotel (Ireland), The Grove Hotel (Watford), The Lighthouse (Glasgow), The O2 Arena (London), The Public (Birmingham), The Wolseley Restaurant (London), Umbaba (London), Vermillion (Manchester), Victoria Park Plaza (London), Vin Café (Edinburgh), Virgin 1st Class Lounge (Heathrow), Virgin 1st Class Lounge (Hong Kong Airport), Wareside Private House (Ware), Westbourne Grove Church (London), Westerwood Hotel (Cumbernauld), Who Wants to Be a Millionaire (International), Windsor Castle (Windsor), Winning Lines Gameshow (London), World Duty Free (Nationwide), Wrexham Medical Lecture Theatre (Wrexham).

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