

LIGHTING

EQUIPMENT NEWS

JULY 1993

THE ONLY PUBLICATION DEVOTED TO ALL ASPECTS OF LIGHTING

Hotel lighting challenge

Winning a lighting contract worth over £380,000, to supply and install lighting throughout the Regent Hotel, Marylebone, presented Chelsom with what it describes as its greatest challenge yet. The company had only seven weeks to manufacture and install all the fittings, over 90% of which were specials, working to a design brief which emphasised energy conservation.

The bedrooms are situated on either side of a central corridor and most of the suites have a Regency-style marble bathroom, a lobby and a sitting room furnished in muted golds and creams.

Most bedrooms have five light fittings, two palm-gilded wall lights either side of an Adam-style fireplace, an urn shaped antique silver nightstand ceramic lamp, a crystal lamp with shade on the writing desk in the sitting area and a gilt-wood floor stan-



dard. All these fittings have been specially converted to accept low energy compact fluorescent lamps with integral control gear.

In the corridors and interlinking areas, where there is little or no natural light, Chelsom has designed special low energy wall sconces in the shape of angels' wings, finished in an antique gold leaf effect. To boast low lux levels further, ceiling-mounted and brass galleried square flush fittings from the Paris range illuminate the walkways, each taking two 18W compact fluorescent lamps. Some fittings have an emergency facility.

Chelsom has also supplied more than 20 chandeliers, many of them over 2.5m in diameter, for the public rooms.

Reader Service No 170

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Thorn sold for £162 million

Following more than six months of discussions, Thorn Lighting has been purchased from Thorn EMI for a sum of £162m. The acquisition was arranged on behalf a group of investors by international investment group Investcorp. Completion of the deal is expected to take place at the end of this month.

It has been common knowledge in the industry for a long time that Thorn Lighting was up for grabs, so it is perhaps only the purchasers that will come as a surprise to most people. Within Thorn the general feeling seems to be mainly one of relief, partly because it has happened at last and partly because the purchaser is not another lighting company. Indeed, Investcorp's other assets, which include Gucci, Tiffanys and Sachs, are far removed from this industry.

Investcorp will hold most of the shares but Thorn EMI is to retain 12% and the senior management will hold 3%. Depending on circumstances, there is the possibility of this management share increasing to 13%. The deal includes the transfer of all but one of the company's remaining obligations to G E Lighting, following the purchase of the lamps business. The remaining obligation is for Thorn to supply G E Lamps in its ready-lamped fittings, unless there is no suitable lamp in the G E range. This obligation continues for about another two years.

Core businesses

Thorn EMI's decision to divest itself of the lighting business is in line with its concentration of the core businesses of music and rental. The lighting division will continue to use the name Thorn Lighting, though there will be some re-design of the logo to distinguish it from other Thorn companies.

Investcorp is said to see itself as a medium term investor, with a view to supporting the company until such time as it can be launched on the stock market. This is expected to be within about five years but will depend on progress, the economy and the investment climate.

Joining the existing management team is Michael Frye, previously chairman of Concord Lighting. Mr Frye will be a non-executive director, with special responsibility for the architectural, display and decorative lighting. Thorn has about 5%



Mr Bryce, (Thorn) and Mr Buscombe, (Investcorp) shake on the deal

of this market in Europe and clearly sees room for taking greater market share.

Also joining the company is Phillip Rhodes, who was previously a director of BET. Mr Rhodes has been involved in the discussions with Investcorp for some time and will have special responsibility for indoor lighting. He will also be the executive responsible for the UK, Ireland, Germany and central Europe.

Thorn, with the backing of Investcorp, will continue to invest in the company, with an emphasis on new product development. There will also be a greater emphasis on dealings with continental Europe, where about 50% of the company's business is carried out.

"With the impetus provided by the formation of the new group, I am confident that we can now realise our profit potential while developing our international strengths. The group's focus on customers and innovation will continue," said Mr Bryce.

"Thorn Lighting has a commanding position in its industry and a strong proven management team with an excellent track record for growing profits even in recent times," said Philip Buscombe, a member of Investcorp's management committee. "It is well positioned to benefit fully from recovery in its principal markets. This investment is a

continuation of Investcorp's strategy of further investment in Europe," he continued.

Increased profits

Thorn Lighting has reported a 20.6% increase in pre-tax profits in the year to 31st March 1993. Profits totalled £15.2m, compared to £12.6m in the same period last year. Turnover was stable at £346.7m (previous year £343.7m).

CFL production increased

Sylvania Lighting International (SLI) has now officially commissioned its new £2m switch hitter line at the company's factory in Shipley, Yorkshire. The production line is capable of making both single (S) and double (D) Lynx compact fluorescent lamps (CFLs) and the 'switch hitter' capability allows the line to be changed from S to D types depending on demand. The factory also has the capability to make the body for the Mini-Lynx CFL with integral electronic ballast, which is due for launch in the UK later this year.

Further investment

SLI has also announced plans to invest a further £7m in production of CFLs, starting with a duplication of shared equipment on the present line. This will involve the addition of new benders, coater, sealer and baker to effectively create two independent lines and allow a 70% increase in capacity. This first phase is expected to be complete by September 1994.

"The next phase of the expansion will, of course, be dependent on further growth in demand. But based on present projections we expect to be adding additional bending and coating equipment in 1995/96 to give us an eventual capacity of 10 million D lamps," said plant director Mike Sloan.

"All of the planned new investment will be on equipment for the Lynx D type compact and for the glass body of the Mini-Lynx range. It will allow us to produce the full range of Lynx D and DE from 10W to 26W and Mini Lynx bodies from 7W to 20W," continued Mr Sloan. "For Charlestown

(Shipley), of course, this investment is enormously important because it confirms us as SLI's centre for the production of compact fluorescent to supply all of its sales operations world wide."

The company certainly anticipates considerable growth in the market for CFLs. "We expect a growth rate of over 100% for single compact fluorescent lamps and a quadrupling for double compact fluorescent in Europe between now and 1999," said chief executive officer Norman Scoular. "The investments you see SLI make will not bring instant returns, rather our investments are strategic," he added.

"The company under GTE has had many strengths but was not successful. What it lacked then and has now is active local management, empowered to act in a simple decentralised company - high capital investment in new process technology and in new products - with a fierce determination to be cost competitive," he continued.

Following the closure of the company's Malmesbury fixture assembly plant, Mr Scoular said there were no plans for further rationalisation in the immediate future. By 1997 he intends to take SLI into public ownership, with the opportunity for all employees to acquire shares in the company.

"Our goal is not to be number one in size, it's to be number one in concept, in innovation and, above all, in customer service," said Mr Scoular. "To be a simple, energetic, focussed and successful lighting business only. For us it's a mission and a strength," he concluded.

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QUALITY ALWAYS SHINES THROUGH

Reader Service No. 4

LETTERS

Fire safety

Dear Sir

Working for one of the world's leading manufacturers of uPVC sheeting I feel obliged to express my astonishment and concern at the publication of the article titled 'Comment' within the May edition of Lighting Equipment News. This article was not only misleading, it was inaccurate.

It is essential that the record should be put straight in so far as uPVC fire safety in lighting diffuser panels and the new Building Regulations are concerned.

The Building Regulations and the Approved Document B to those regulations require that all thermoplastic materials, including light diffuser panels, for use in any suspended ceiling must be able to demonstrate an ability to inhibit the spread of flame across their surface. There is possibly no thermoplastic material better able to meet this requirement than uPVC.

uPVC is a self extinguishing material which also does not produce any separation of burning debris, a characteristic one would feel is beneficial to any lighting diffuser panel. This self extinguishing property is inherent for all sheet uPVC and is not affected by vacuum forming. uPVC is used in applications throughout the world and meets the most stringent of fire safety requirements:

UK Class 0 and TP(a)

France M1
Germany B1
USA Vo

A light diffuser panel manufactured from uPVC sheet material will satisfy the fire safety requirements of the Building Regulations in both flat sheet and vacuum formed panels.

The minimum requirements of the Building Regulations insist that all thermoplastic light diffuser panels must provide a TP(a) or a TP(b) fire performance standard. TP(a) is the higher standard and for a product to claim this classification it must be able to demonstrate self extinguishing when tested to BS2782 508(A). TP(b) is a standard for a material that is unable to self extinguish but which does produce a slow rate of burning within the same test method. However, TP(b) may only be used in the limitations of use described in the Approved Document B.

These two test certificates are very easy to demonstrate and very easy to understand. The TP(a) and TP(b) standards apply to all thermoplastic light diffusers in all suspended ceilings under the requirement of the Building Regulations. uPVC fully complies to the TP(a) requirements of those regulations whether it is vacuum formed or not.

It was stated by the writer of the article titled 'Comment' that a uPVC vacuum formed diffuser

panel failed a class 1 rating when tested to BS476 part7. The only way a uPVC panels could fail a class 1 test is if it produced a spread of flame across its surface that exceeded 150mm and as such would be classified as class 2, 3 or 4. This is not possible. If a uPVC panel could not be classified as class 1 it must mean that the sheet failed to remain in situ during the test, this is not a failure and nor would any examiner classify it as such. The writer may be asking if a vacuum formed material possesses the same fire safety properties as the original flat sheet material. The answer is yes. A sheet possessing the class 1 rating is still classified as such even when vacuum formed. However, the sheet used for the vacuum forming must be of the same thickness as the sheet originally tested. This is no problem for uPVC but it does cause immense problems for other widely used thermoplastics which can only obtain class 1 certification in relatively thick sheets.

This brings me to perhaps the most contentious statement made within the article. The writer indicates that a thermoplastic material has achieved a 30 minute fire resistance. This is impossible for any thermoplastic material.

To imply that a thermoplastic light diffuser has a 30 minute fire resistance is potentially very dangerous. The fire resistance of a ceiling could be intended to protect people living above that ceiling. A 30 minute fire resistance may be very necessary for the evacuation of people in a fire.

Giles Peacock
Takiron (UK) Ltd

In the dark

Dear Sir

Regarding the articles on emergency lighting (LEN May), I have long been concerned about the level of 0.5 lux specified for this. This level is fully adequate if the eye is given time to adapt - for example if guests in a hotel are woken by a fire alarm in the night. But in a well illuminated office, after dark, failure of the main lighting means that the occupants are subjected to a sudden change from 300-500 lux to 0.5 lux. If the eye has no time to adapt, 0.5lux is equivalent to a complete blackout.

Has this problem been addressed?

The only solution to my mind is a far higher initial level emergency lighting, 100 lux, for a short time and gradually reducing to the mandatory 0.5 lux. This is going to cost, but have any LEN readers got a better solution?

J K Maynard
Huddersfield

DIARY

AUGUST

3

Elenex Australia '93. The definitive exhibition for the electrical and electronics industries in Australia, to be held in Sydney. BEAMA have obtained DTI financial support for an official British group there. Details from Rosie Lewis, 071-487 5831.

SEPTEMBER

12-15

The Plasa Light and Sound Show at Earls Court, London. Organised by Philbeach Events. Exhibition for lighting, sound and special effects technology for live entertainment, TV and film sectors. It now also caters for theme parks and interior design etc. Details from 071 370 8215.

14-16

Lightex '93 - The Latest in Lighting Technology. Biennial exhibition organised by the Institution of Lighting Engineers. Over 180 stands catering for consultants, contractors, wholesalers, security firms, architects, specifiers etc. Details from 0788 576492.

OCTOBER

7-10

Elenex - Turkey '93. Turkey's premier show for the electrical and electronic engineering industry. Details from Philip McKean, Overseas Exhibition Services Ltd, 071-486 1951.

26-28

Electrical Products '93. London-based biennial show for the electrotechnical industry, including a sub-show, Light Fair. Details from Andrew Castle, IMI Exhibitions Ltd, 0732 359990.

NOVEMBER

1-3

Clima 2000. CIBSE-organised event with 50 papers being presented covering various building services topics. Details from CIBSE 081-675 5211.

CIBSE

The Chartered Institution of Building Services Engineers

Spotlighting sport

It would be difficult nowadays to name a sport that does not to some extent depend on lighting. Dependence on daylight for a sport to take place is increasingly rare: add on the requirements of television, and it is clear that sports and lighting have become virtually inseparable.

John Hugill and Colin Hunt, of Thorn Lighting, put sports lighting under the spotlight at Lux Europa 1993, organised by CIBSE at Edinburgh in April, and the following extracts from their paper outline the visual and lighting requirements.

Visual environment

Looking first at the needs for good quality sport, there have been substantial improvements in performance level in many sports in recent years, and this has resulted in faster speeds of play and greater accuracy being required. This frequently means that visual quality becomes more critical as finer tolerances come into play.

Objects are seen because they contrast in brightness or colour, or both, with their background. The more marked the contrast the more clearly the general objects are seen. Colour contrast is important in some sports but usually the brightness of the surface depends on how much light it receives and how this light is reflected from it. For example, if we were playing tennis with a white ball, we would prefer to have a dark background so that the white tennis ball is shown in contrast. Equally with cricket, it is normal to have a white sight screen behind the bowler's arm so the batsman can easily pick up the ball as it moves towards him. Colour contrast is also used in this way to differentiate the object from the background. For indoor tennis, with a white ball, it is typical to have a green background behind the server so that the opponent on the other side of the net can easily pick up the ball. In practice, for outdoor sports there are very severe limitations to what can be done with contrast; Grass is usually green with reflectance of around 15% but indoors we expect to have a bit more freedom to actually govern these parameters. Indoor sports halls should generally have light coloured walls and ceilings, and the floors should not be too dark. Surface reflectances should meet the following requirements:

Walls between 30 and 60% reflectance, ceilings or roofs 60 to 90% and floors 20 to 40%. Wall finishes should be matt to avoid spectacular reflections, walls and ceilings should not have any strong patterns to disorientate the player.

Lighting requirements

Illuminance requirements outdoors provided by electric light systems are in general much lower than the daylight values. Nonetheless, given a well designed system, very good visibility is possible at night, because visibility depends on general adaptation level, directional effects and other factors as well as illuminance. The illuminance requirements for a sport depend on how much light the players, officials, spectators and television need to follow the action easily. This depends on what they see and how far they are away from it. The faster the speed of action, the harder the visual task, and so the higher the illuminance level required. For this reason the higher the standard of play, the higher the levels of lighting. The levels of illumination for outdoor sports are usually lower than for the sport when played indoors. This is due to the change in adaptation that occurs when viewing a lit surface against a dark, night background. In general, the further from the action, whether it be spectators or the television camera, the greater the illuminance that will be needed. Illuminance values published generally assume that the player is of average age; as the eye ages, more light will be needed to achieve the same visual performance.

Ideally, most playing surfaces should appear more or less uniformly bright when viewed from the relevant directions. How far this can be achieved in practice depends on the reflection of the surface and how it is illuminated. This can sometimes be a problem, particularly where grass is involved, where the way the grass had been cut or rolled affects the luminance distribution, which is what we actually see. The usual way is to design for acceptable uniformity of illuminance as expressed as a uniformity ratio, minimum to average or maximum to minimum. Where necessary, particularly where colour television is involved, it may also be prudent to look at the illuminance gradient between adjacent points.

The needs of colour television will generally require higher illuminance levels than would otherwise be required, with a greater control of uniformity.

The full text of this Lux Europa paper is given in the 2-volume Conference Transactions, available from CIBSE.

Contact Karl Pike,
Lighting Division Secretary, on 081-675 5211.

PRISMATIC LENSES...

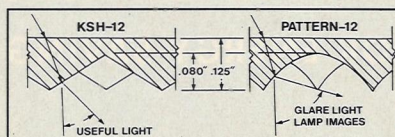
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face which causes high angle glare and more noticeable lamp images.

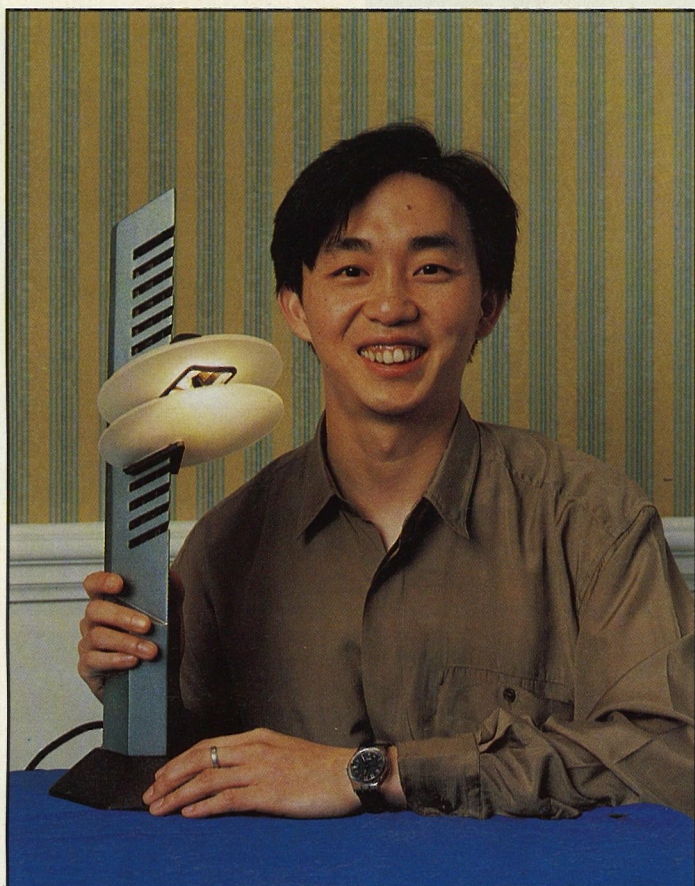
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A prize performance by students

A simple, yet hi-tech desk lamp was the winning entry in this year's Student Lighting Designer of the Year Awards sponsored by the Lighting Association.

Martin Tsoi, a student of Birmingham's University of Central England, won £1,500 in prize money for his 'CD Desk Lamp', which was selected from 400 entries.

The low voltage lamp is based on a compact disc stacking system. By slotting interchangeable lighting and reflector discs into a single, upright mounting pedestal, the lamp can be used as either a task light or as a decorative uplighter or downlighter.

Second place, and £750 in prize money, went to Peter Veale of Bournemouth University for his ingenious 'Sleepy' children's night light.

Temperature changes create different facial expressions on the front of the lamp - the face has a

sleepy appearance before it is switched on and a happy smile when the child wakes up in the morning.

Third place and £250 went to Neil Simmonds of Sheffield Hallam University for 'Spiderman', which the judges described as an intelligent piece of illuminated decorative architecture that could be employed to enhance blank facades both inside and outside modern buildings.

Peter Veale also won the Philips Lighting Award for the essential market appeal of the 'Sleepy' night light.

The special Osram award for best use of a compact fluorescent lightsource went Christian Davidson of Gwent College of Higher Education for his imaginative flat-packed range of low cost 'Wall Louse' louvred lightshades which could be manufactured out of a variety of materials including paper, plastic or metal.

Light work rewarded

Freddie Bentham has been given the CIBSE Lighting Division Award 1993 for longtime service to the lighting community.

Aged 81, Mr Bentham recently published his autobiography *Sixty Years of Light Work*. He trained as an electrical engineer and after a brief period at GEC he spent the rest of his career at Strand Lighting.

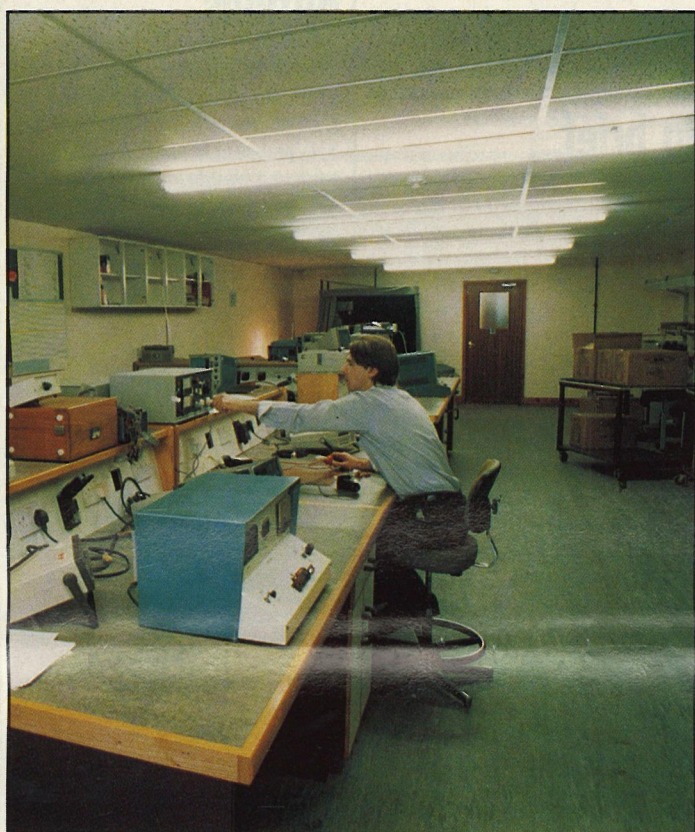
He has taken a particular interest in lighting for theatres and his first book *Stage Lighting*, published in 1950, has been revised and reprinted many times. During the 1930's he gave music and light performances to theatre audiences which included George Bernard Shaw and His Royal

Highness the Duke of Kent.

Many of the lamps he designed, such as Pattern 23 and Pattern 123 500W 'baby' spotlights are still in use. He produced many successful dimming and control systems aimed at all types of user.

● Mrs Claire Aizlewood and Mr Gerry Webber of the Building Research Establishment have been presented with CIBSE bronze medals for their paper *Emergency Escape Route Lighting: A Comparison of Human Performance with Traditional Lighting and Way Finding Systems*.

● Dr Hans Bodmann of the University of Karlsruhe Lighting Institute, Germany, has been given the Walsh-Weston Award and a CIBSE silver medal for his paper *Elements of Photometry, Brightness and Visibility*.



Detecting savings

The new HQ of Anglia Components, despite being four times the size of the company's original HQ building, has energy running costs which are only one third to a half those of its predecessor. This is because energy saving measures were built in during the £800,000 refurbishment of the building. "The refurbishment of the building was designed and carried out to give us dramatic savings on energy use, and therefore cost," said Anglia's owner Bill Ingram.

The company had outgrown its existing split site headquarters so it bought a 100 x 38m warehouse with no internal walls or fittings on a four acre site. Anglia then embarked on a £0.5m project to create an office complex, warehousing and stores, staff recreation facilities and an R&D area.

As well as opting for high insulation levels and an efficient heating system, Anglia identified four criteria that would have to be met by the lighting controls:

- flexibility so that controls and detectors could be moved easily to accommodate future layout patterns.
- discrete and automatic operation without disruption to working patterns, so staff were hardly aware that automatic lighting control was in operation.
- reliability so there was no danger of occupied areas being plunged into darkness.
- production of significant cost savings.

Mr Ingram felt passive infrared (PIR) would not be sensitive enough to detect the small movements within the building, so there would be a risk of occupied areas being plunged into darkness. Also, lighting control with a timer element was ruled out because of unpredictable working patterns.

As a result, Ex-Or Ltd was commissioned to design systems that would control every light in the office building and many areas in the warehouse section by means of ultrasonic and microwave detection. The detectors constantly monitor all areas of the building, keeping the lights off when the areas are unoccupied and switching them on when people are detected in the monitored areas. Built-in photocells prevent the lights coming on if natural light levels are sufficient.

This automatic switching on and off means that there are no wall light switches at all, though staff members have remote control units to override the detectors if necessary. This might happen, for example, if an area needs to be darkened for an audio visual presentation or if VDU operators want to adjust lighting levels to avoid glare.

With electricity bills only 50% higher than the previous, smaller building, Mr Ingram estimates a payback period of two years. There were also savings in installation costs as the refurbishment included re-wiring and there was no need to run extra cabling from lights to wall switches.

Reader Service No 171

PVC not a failure

In the May issue of *LEN*, it was stated in this column that a PVC white coloured light diffuser had failed BS476: Part 7 - the test for the surface spread of flame supported by a material. This statement was incorrect and based on erroneous information. uPVC, which is used in many applications in buildings, fully meets the requirements of BS476: Part 7 and, therefore, complies with the Building Regulations 1991, Approved Document B. *LEN* apologises for any confusion and concern this error may have caused, especially as it seems a number of people have assumed the diffuser mentioned was from one particular manufacturer, although no company was mentioned in the article.

In order to offer clear and concise guidance of the fire requirements for light diffuser panels, it is necessary to refer to the Approved Document B of the Building Regulations. All thermoplastic light diffuser panels must now provide either a TP(a) or TP(b) fire performance standards. This applies to all suspended ceilings but not to fire resistant ceilings which have special requirements. There has been reported confusion in that suppliers have assumed that the fire safety standards for diffusers apply to only fire resistant ceilings, this is not so. A diffuser offering a TP(a) standard can be used in unlimited areas (see table 11 page 48 of the Approved Document B) while TP(b) diffusers can only be used with limitations on spacings and areas (see diagram 21 page 49 of the Document).

The supplier or specifier will be able to determine which diffuser is TP(a) by various means. uPVC or rigid solid PVC sheets are automatically accepted by the Approved Document B (page 95) as being TP(a) product, without the need for qualification or test certificates. There is also automatic acceptance of polycarbonate sheet material - but this must be at least 3mm thick for such classification without test certification. All other materials must provide test certificates showing a self extinguishing ability under the BS2782 method of test 508(A). The benefit of the 508(A) test as opposed to the BS476 part 7 test is that it does allow for a simple fire assessment of the material supplied. A TP(b) material is a material that does not self extinguish when tested to BS2782 method of test 508(A) but does demonstrate a rate of burning not exceeding 50mm a minute. It should not be assumed that all thermoplastic diffusers that are not TP(a) are automatically TP(b) product, this is not the case. Many thermoplastic diffusers will not even qualify as TP(b) product. All manufacturers, suppliers and specifiers are advised to read the Approved Document B, in particular page 95.

This whole issue arose in the pages of *LEN* as a result of the apparent conflict between the requirements of the Building Regulations with regard to fire safety and the actual practice in many buildings. For years, these fire safety requirements would seem to have been ignored by some companies but this is no longer the case. The regulations are now going to be enforced by building control officers, something that was made clear in a letter from the Chief Building Control Surveyor of Winchester City Council in our May issue.

This has important implications for the contractors charged with installing fittings that have plastic diffusers or prismatic lenses. The Electrical Contractors Association, the Institution of Electrical Engineers and the National Inspection Council for Electrical Installation Contracting have all made it clear that electrical contractors should make sure they comply with the Building Regulations.

We understand that contractors are sometimes told by light fitting manufacturers that they do not need to comply and should go ahead and buy fittings with diffusers that do not provide the required level of fire safety. This is a dangerous route for contractors to follow - not only because of the safety aspects but also because of the financial losses that could ensue. Any contractor installing diffusers that do not comply has a good chance of being told to remove them by a building control officer, regardless of what the fitting manufacturer has said. That contractor will then be faced with obtaining new diffusers at no extra cost to the client. To make matters worse, we have heard stories of fittings manufacturers exploiting the contractor's desperation at this stage by adding up to a 400% mark-up on the diffusers before selling them on.

Having fallen foul of it ourselves, *LEN* is well aware that this whole subject of plastics and standards has been conveyed in a somewhat confusing fashion. But referral to the relevant pages of Approved document B will alleviate all confusion as the requirements are, on reflection, quite simple. However, the only way to be sure of getting it right, having established what is required, is to demand up-to-date test certificates which state clearly that the product in question truly complies.

LEN will be looking at this whole subject in more detail in a future issue, with a view to clarifying the situation for all concerned.

Paul Haddlesley

LIGHTING EQUIPMENT NEWS

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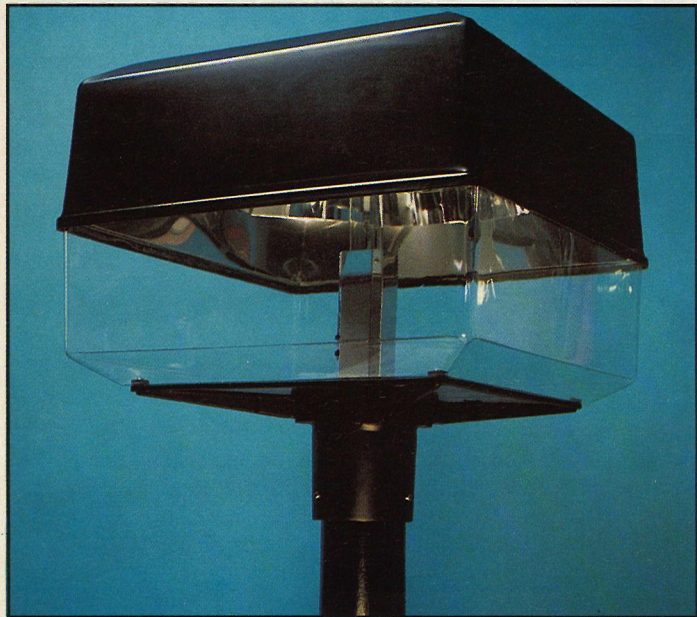
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NEW PRODUCTS



Large spaces with low pollution

Abacus Municipal Ltd has recently launched a new range of luminaires for lighting large open areas, car parks, pedestrian areas and civic centres.

Described as unique, the optics of the AM490 series are said to provide a controlled light distribution with less than 2% of output being upward. The reflectors are of high polished anodised faceted aluminium to give square distribution or, with the addition of a die reflector, an asymmetri-

cal light distribution.

The luminaires have impact resistant UV stabilised outer body with opaque upper half and clear lower half. They are supplied as standard in architectural dark bronze but a black finish is also available.

The AM490 is available with either single or twin lamp versions up to 2 x 400W, which can be accessed through an inward opening hinged glazing section.

Reader Service No 151

New Zumtobel Artos 3 accessory

Sottsass Associati of Milan has designed Tondo, a new accessory for the Zumtobel Artos 3 luminaire.

It is one of a series of accessories designed for the Artos 3 range, and comprises a square perforated die-casting, which is covered with a matt rounded glass disc with a diameter of 100mm. The designer has a range of colours to choose from when specifying Tondo, including a metallic silver finish.

Zumtobel and Sottsass have worked as a manufacturing/



design partnership for a number of years. **Reader Service No.160**

'Woody' exterior lighting

'Woody' from Modular Lighting Instruments is one of the latest models of outdoor lighting available from the company, designed to enhance urban and rural landscaping schemes.

The metal fixture incorporates a transformer with a louvred aluminium housing for protection. The fitting is topped by a smoothly contoured, raindrop shaped wooden cap. The drop shape profile continues with the timber column which may be left untreated to obtain a weathered effect or the natural colour may be preserved using an acrylic sealer.

'Woody' is 14.5cm deep and 70 cm high, while 'Big Woody' is 120cm high.

Both models are available in the UK from Atrium.

Reader Service No 152

In brief...

● **Phosco** has introduced a heavy duty floodlight for sports complexes and industrial/commercial areas. Designed for any double-ended MBI lamp rated at 1.5, 1.8 or 2kW, or single ended SON or MBI 1kW lamps, the variable FL444 is available with a choice of three reflectors.

Reader Service No. 155

● **Future Designs** has developed the PP Power Pack to convert a conventional downlighter into a powerful emergency luminaire. It is rated to operate a 50W lamp for three hours non-maintained or maintained use, providing full light output under mains failure conditions.

Reader Service No. 156

● **Connect Lighting** has introduced the option of high-reliability electronic control gear for its full range of 70W metal halide luminaires. By introducing both the Osram Powertronic and Philips Electronic Gear, Connect believes it offers the end-user more efficient operation of its High Intensity Discharge (HID) fittings with extended lamp life and greater light stability.

Reader Service No. 157

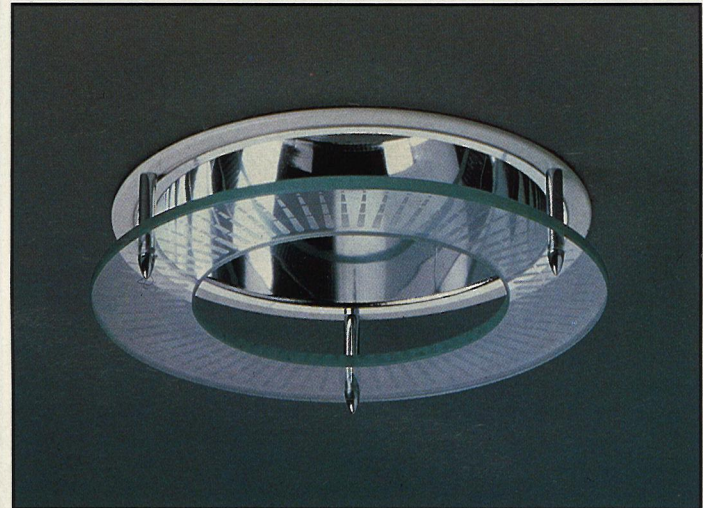
● **Powerlite** has launched a compact transformer that fits directly onto the track of its range of



A variety of options

The new Impact range of low glare, high efficiency, compact fluorescent downlighters from Silvertown Hitech Lighting is said to provide a comprehensive variety of options for this type of light source. There are two basic types of Impact unit, depending on the number and mounting position of the lamps contained within the fitting. Both twin lamp horizontal and single lamp vertical arrangements are offered in three versions to give a choice of 26W, 18W or 13W lamp options. The 13W option will also accept 10W lamps without adjustment.

All versions of the Impact incorporate integral power factor



corrected control gear. For decorative effect they can be supplied with gold or silver internal reflector and, if required, a 'starburst' pattern suspended feature glass.

A particular feature of the

Versatile pendant

Arden Lighting has launched the Imperial range, designed for retail shops, restaurants, hotels and pubs.

The Imperial is designed to be a flexible luminaire, available either as an uplighter or downlighter in verdigne polished brass or antiqued effect.

Manufactured as a standard 5 light fitting, it is also available in a two tier version or a smaller single and double version with co-ordinated wall fittings.

The Imperial can be converted to accommodate low energy light sources and is supplied with a range of contract quality glass.

Reader Service No. 153

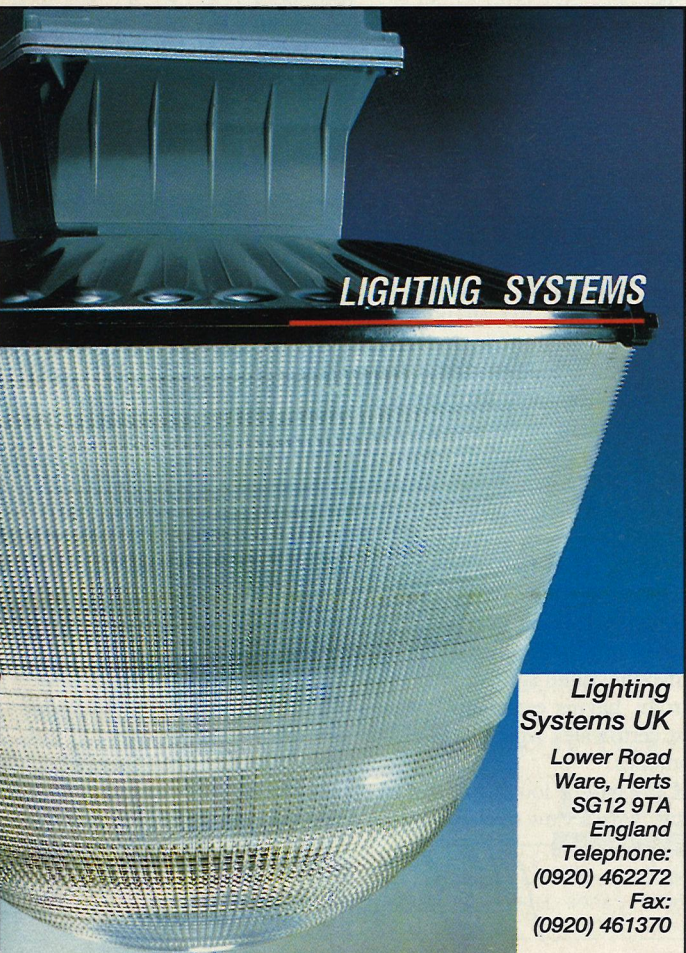
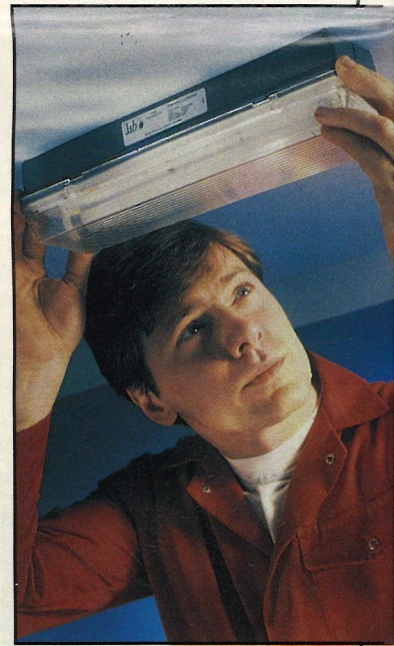
Robust and affordable

Zetalite is a new emergency luminaire from JSB Electrical, described as robust and vandal resistant and at an affordable price. The unit has automatic constant current charging and a mains and charge monitoring LED.

A clip-in gear tray for internal parts is said to facilitate installation and the reeded, clear polycarbonate diffuser clips onto the grey ABS body without the need for screws.

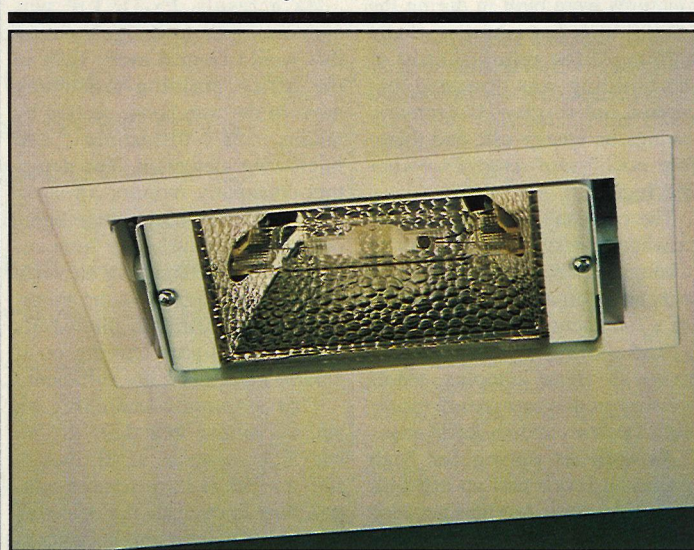
Zetalite is available in maintained and non-maintained versions, rated to IP65, and has a high frequency, high efficiency inverter.

Reader Service No 161



Lighting Systems UK

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More light on display

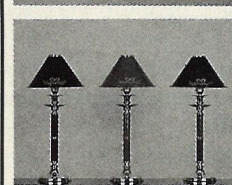
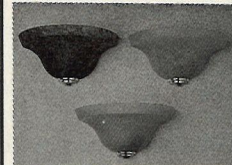
The new Projectorlite metal halide fitting from Linolite is said to be highly adaptable yet functional and suitable for a variety of display and accent applications. It is available in either recessed or surface mounted models and, according to Linolite, is particularly suited to window displays, car showrooms, reception areas

and other display environments where a large spread of light needs to be coupled with a limited number of lighting points.

There is a choice of 70W and 150W versions in the recessed type and a 70W surface mounted version. This latter version has integral control gear, while the recessed versions are equipped with remote gear boxes which pass through the cut-out hole. No rear access for installation or lamp replacement is therefore required. **Reader Service No 162**

COORDINATED LIGHTING

AT ARDEN MFG we constantly strive to bring you the latest in coordinated lighting and accessories. Hence we are pleased to offer the diplomat and minister range of table lamps. Available in blue, black, green and burgundy. These attractive lamps are ideal for both retail and commercial settings. Each is complete with a pushbar lamp holder and matching metal colour coordinated shades.



BRAND NEW FOR 93
Confetti uplighters, most traditional uplighters in brass or other solid materials allow no light exposure through the surround. However with our new confetti uplights a warm glow is created as the light penetrates through the glass. Complete with steel bracket and brass end fixing these uplighters are suitable for domestic, pubs, hotel foyers and corridors and other contract specification.

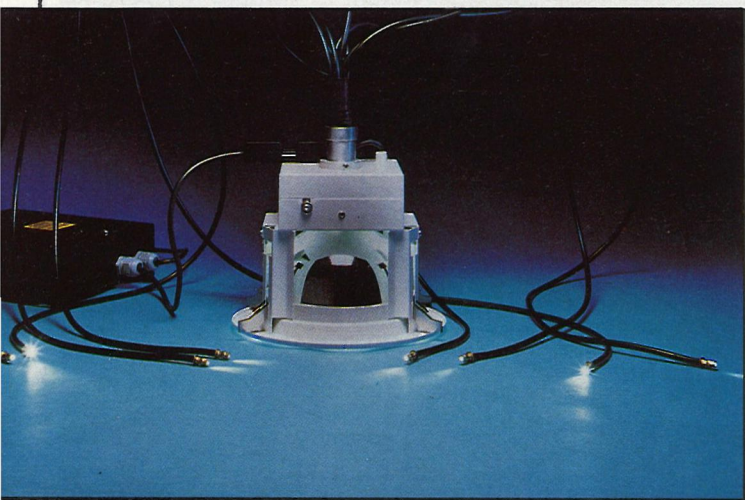


For a full colour Brochure Please contact:

ARDEN MANUFACTURING
(Birmingham) Ltd.

SUPPLIERS OF DECORATIVE AND CONTRACT LIGHTING
47-50 TENBY STREET NORTH, BIRMINGHAM B1 3EG
Telephone: 021-233 1776 Fax: 021-200 1147

NEW PRODUCTS



Dual-source fibre optic system

Kotzolt Lighting's Dual-Source optic system combines in one luminaire metal halide downlighting with fibre optics for high impact decorative and effect lighting. It can provide many design opportunities with significant cost savings in terms of installation and running costs, claims the company.

The system is particularly suitable for lighting designers as its versatility and low cost make it ideal for use in many interior schemes. Among the applications for the system are retail shops, corporate reception areas, restaurants and night clubs. Several decorative options are available with a choice of fittings and the use of different colours.

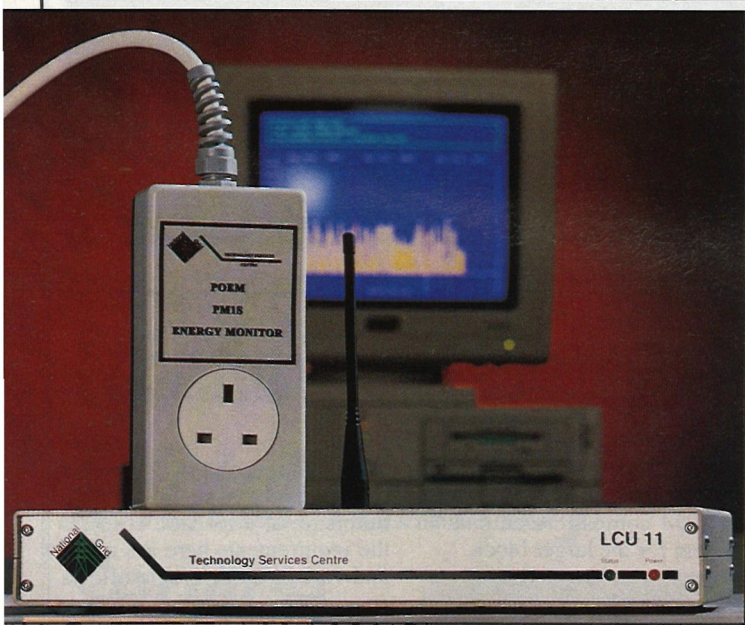
The Dual-Source system replaces the need for specialised and expensive dedicated source equipment because it uses a secondary optical system to redirect waste light that is normally trapped in the top of a reflector, and does so without reducing the photometric performance of the

luminaire. The waste light is redirected via a fibre optic receptor to the fibre optic cables which terminate in secondary display luminaires.

The standard Dual-Source system combines a fully recessed metal halide downlighter as the primary output, with up to 12 fibre optic fittings as the secondary output. The recommended maximum cable length for the secondary output is three metres. If required, cable lengths can be varied within a system to create attractive visual patterns.

Any combination of six different fittings and our finishes can be used for the fibre optic cables. The secondary output can be coloured with the addition of a coloured lens to the fibre optic harness receptor, to provide a contrast with the main downlighter. A further variation in effect can also be created with the choice of metal halide between cool (NDL) and warm (WDL) colour rendering.

Reader Service No. 163



Point-of-use energy metering

The National Grid Company has launched an energy metering system to enable up to 80,000 individual electrical appliances to be monitored remotely using a central personal computer. The POEM (Point of Use Energy Metering) system provides energy or facility managers of large organisations with the information necessary to implement energy saving measures.

POEM measures, collects and analyses electricity demand data from individual appliances remotely, either in specific locations or throughout an organisation.

Each appliance is fitted with an in-line meter using standard plugs and sockets or a clip-on current transformer, and demand data is transmitted by radio or mains-borne signals. Installation is therefore quick and simple with no need to cut cables.

Each appliance is connected to the mains supply via an in-line POEM meter which regularly transmits the demand by short range radio or a mains-borne signal to a Local Collector Unit (LCU).

Each LCU converts the data into half-hourly demand information and transmits it to the Central Collector Unit (CCU), a standard personal computer running POEM analysis software.

Reader Service No. 166

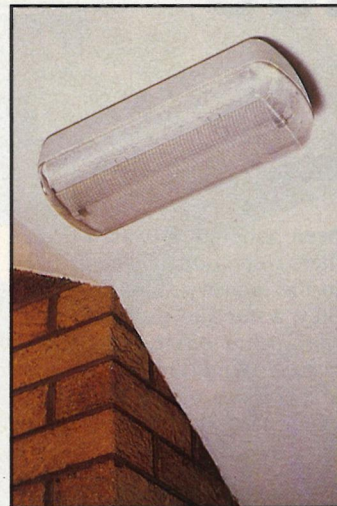
Cost-effective emergency luminaire

The VFM8 general-purpose emergency luminaire from Crompton Lighting has been specially designed to provide emergency lighting in buildings where safety regulations need to be met but where cost is a major issue.

Versatile enough to be mounted on either internal walls or ceilings, this 8W luminaire offers exceptional value for money without compromising on styling or quality, it is claimed.

The robust housing is constructed from impact-resistant white polycarbonate, and a clear prismatic diffuser is fitted as standard. Internally, the components are mounted on an easily removable gear tray.

Available in both maintained and non-maintained versions, the VFM8 provides at least three hours of lighting in the event of



an emergency. The complete unit is compact – measuring 135 x 97 x 340mm – and weighs no more than 0.75kg.

VFM8 luminaires are ideal for use in public, commercial and leisure areas, including schools, colleges, hotels, restaurants, supermarkets, warehouses, offices and any similar premises where safety regulations apply.

Reader Service No.164



Low-voltage lighting

A new range of low voltage lighting, manufactured by Trak of Paris and designed by Erik Morvan, is now available in the UK through Into Lighting.

There are three wall-mounted fixtures within the collection. The CRI range offers either a rigid steel or flexible rod with one or two 50W dichroic lamps. The length of the rods are 200, 300 and 500mm. The CATe range with steel rods and turquoise glass mod-

ules gives the designer the opportunity to combine the use of this light with MATCATE, a matching 2.2 metre lighting torch which is available in a rust coloured or steel structure using 50W lamps complete with transformer.

In addition to these wall lights, a matching lighting column COLONATE, using four 50W lamps and 11 glass modules, can be used to support structures such as glass table tops.

To complete the collection there is GAM, a range of architectural decoration products designed for use in cafes and bars, etc.

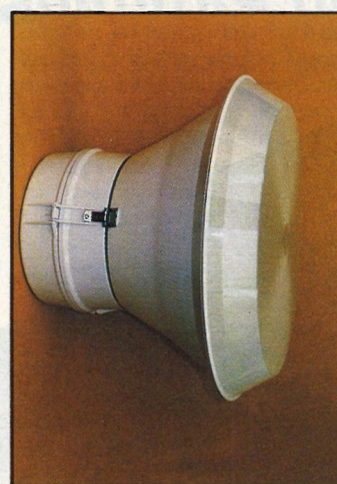
Reader Service No. 165

Square light for work stations

The Controlux economical HID luminaire from Hubbel delivers a square light distribution with sharp cut-off, so providing lighting uniformity for the workplace with no dark areas.

The controlled low brightness makes feasible mounting heights as low as 3m, with the benefits of low contrast with surroundings, and improved operator comfort and efficiency.

The reflector of the Controlux is computer-designed, profiled spun aluminium, finished in high reflectance white, and complete with one-piece UV stabilised refractor in injection moulded acrylic as standard with alternative polycarbonate option. The robust die-cast aluminium housing with stainless steel toggle



latches and silicon rubber compression gasket is built for long, maintenance-free life. Mounting arrangements ensure quick assembly.

Controlux is available in 150, 250 and 400W versions.

Reader Service No 167

LIF LINE

The rot stopped here

A recurring complaint heard in and amongst the lighting community over the years, if not decades, concerns the loss of the City and Guilds courses somewhere back in the mists of time and the lack of a workable replacement. True, there are courses available but only in theory, in practice few ever get off the ground.

Whose fault is that? The colleges blame the manufacturers for lack of support. The manufacturers point out that the colleges' courses do not give them what they want. All of this was identified in a long examination conducted by the CIBSE in the early eighties and described in a weighty tome entitled *Stopping the Rot*.

Following this, LIF stepped in with its lobbying expertise and its tightly focused working methods. During the years that ensued, because of its efforts and the efforts of the member companies which sustain it, we have reached a position where not only is lighting part of the national curriculum for infants, junior and secondary schools, but we have the LIF Certificate and Advanced courses, processing between 75 and 150 students per year. Grade B passes on the Advanced course entitle students to the CIBSE Lighting Certificate and the course is recognised by the Institution for the purposes of continuing professional development.

So lighting education is available now, virtually from the cradle to the grave. At infant schools pupils explore light sources and the effects related to shadow, reflection and colour. At junior school pupils are now learning that light travels faster than sound by considering natural events such as thunder storms.

At secondary school pupils study the behaviour of light, particularly its transmission, absorption, reflection, refraction and dispersion. They learn how light is controlled and used in a range of common optical devices, for example, fibre optics.

Children moving on to higher education can enrol in the LIF Certificate courses which will provide them with:- an understanding of lighting units and terminology; an understanding of the concepts of interior lighting design; a working knowledge of light sources, their characteristics and applications; and an understanding of the logical steps in interior lighting design and the knowledge to complete the design of an installation to modern standards.

Having completed that course they can move on to the Advanced Certificate course where they must complete two modules successfully from:- interior lighting; exterior lighting; and light measurement. The aim of the Advanced modules is to extend the knowledge of the students beyond the more familiar aspects of lighting design and calculation.

Moving on to degree courses, two colleges offer a complete lighting course; the South Bank University Certificate course, which leads to associate membership of CIBSE, and the MSc course in Light and Lighting at the Bartlett, London University. Both cover the whole spectrum of light production, vision, lighting design, luminaire design and light measurement, but obviously the approach to the subject matter differs due to the diverse attainment levels of the two courses.

The CIBSE Lighting Certificate and Diploma

These awards were introduced to provide an avenue for those wishing to be recognised as professional lighting engineers/designers. Both are only available to members of the Institution but are not dependent on grade of membership. CIBSE membership is not an obstacle as affiliate membership of CIBSE is open to almost anyone who is involved in building services, which includes lighting.

The Certificate is intended to provide a goal for the less experienced members of the profession and may be awarded to a person who has three years' relevant lighting experience and has passed two BTEC level III lighting units or a CIBSE approved equivalent course.

The complete LIF education package of LIF Certificate plus three Advanced Certificate modules, with credit passes, is amongst the qualifications recognised by CIBSE as being equivalent to the BTEC level III units.

The Lighting Diploma is designed for the more experienced person who has attained a more advanced standard than that required for the Certificate and who wishes to be recognised as having a lighting knowledge equivalent to that of a technician engineer. The minimum period of relevant experience in this case is five years.

In addition to its Certificate and Advanced courses LIF is also running a one-day induction course on lighting. It is run every two months at Swan House, Balham and costs £75. LIF also runs specialist days for the experienced lighting person. Topics include emergency lighting, LG3 CIBSE Lighting Code, and the use of computers in lighting design and calculation. The cost of the day is £85.

If there are still parties out there complaining that either CIBSE or LIF is not tackling education at grass roots level or providing support to students throughout their working life, they have obviously not appreciated the huge strides forward the LIF has taken over the last five years, and probably themselves contribute nothing to the central pot which underwrites the work which has been done on education. It's all too easy to snipe from the sidelines without putting back something into the industry from which they have gained so much.

A Unique Service

Although only relatively recently established, SimmTronic can boast over 200 years of experience.

Formed by ex Light Source employees Roger Bradburn and Mario Costanzo, the company has drawn upon the considerable talents of the former Thorn Lighting, Enfield design team to offer a unique service to the Lighting Industry. The company has been more recently greatly enhanced by its association with a multi million pound food processing group enabling it to make substantial strides in the lighting industry.

From the outset, a totally market orientated approach has



been adopted. It was felt that there were too many companies in the industry supplying what they wanted to produce rather than what customers really needed. SimmTronic has made a speciality of delivering the exact product required within the required time scale.

The company has two divisions, High Frequency Electronic Components and Third Party Design, each offering a quality service to the industry.



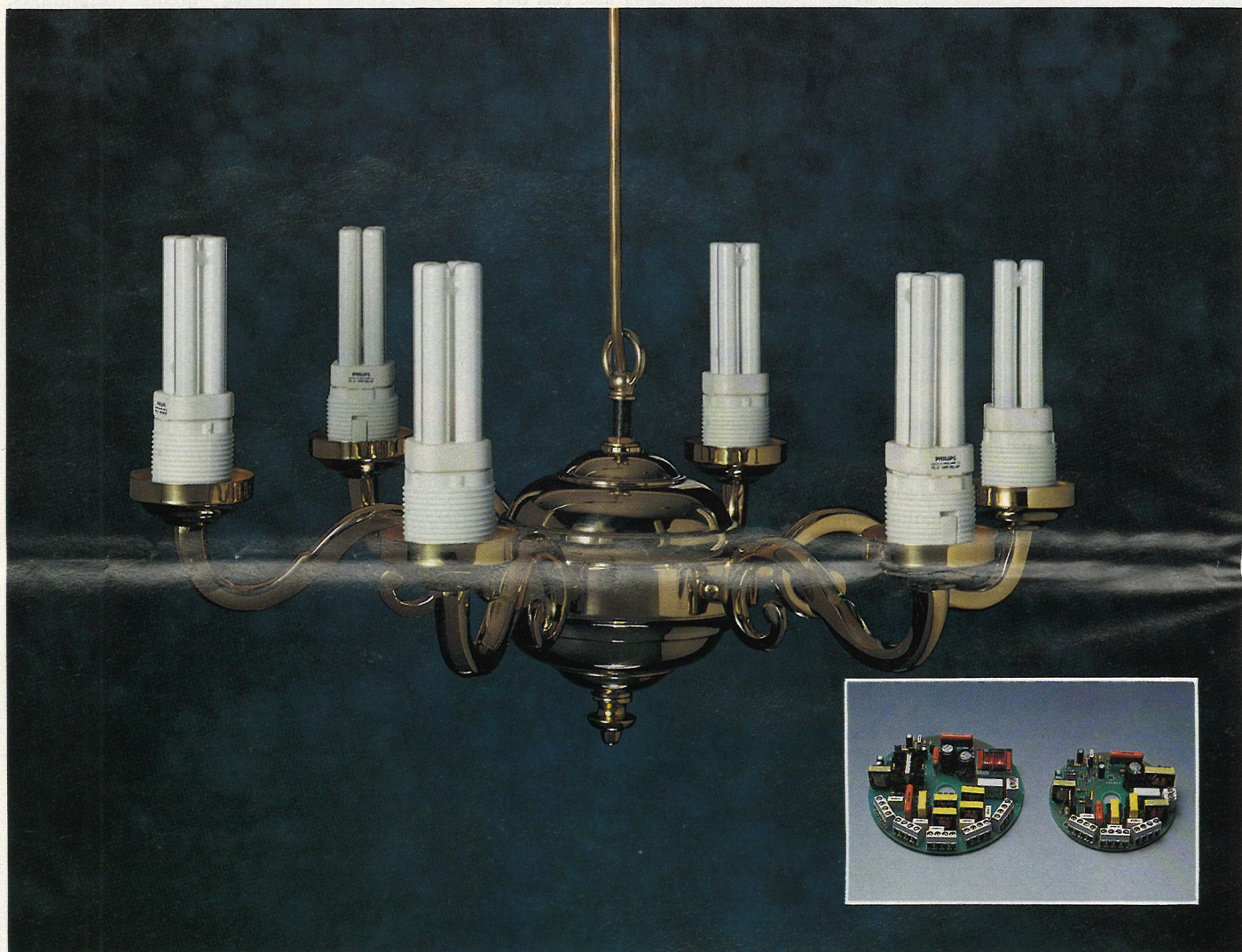
High Frequency Electronic Components.

The High Frequency Electronic Component range is one of the most innovative and cost effective available. A key feature is the wide range of ballasts for compact fluorescent lamps. Initially, specialised ballasts for the decorative market were developed meeting a need for a high quality, IEC 928 approved low energy system for decorative lighting. These units will run 1,2,3,4 or 5 lamps over the wattage range 5 to 18 watts and make combining the style of decorative lighting and low energy electronics a real proposition. The ballasts are designed to fit into the circular spinnings typical in this market and can be simply insulated to conform with BS 4533. Not only chandeliers but wall lights, desk lamps and picture lamps can all be converted to energy saving without substantially changing the decorative effect of the fitting. Installation is simplicity itself, and labour costs, when compared with switch start gear, are greatly reduced. SimmTronic are happy to assist the customer in designing the ballast into their fitting ensuring long term reliability.

The same ballasts are available in boxed form for use in downlighters. A 5 way ballast can run up to 5 compact lamps in this configuration at a cost barely above that of switch start gear. Installation is straight forward and payback rapid. A further unit can be supplied in a IP 44 rated flame extinguishing box for a low cost gear tray again for downlighters. All of the Down Light Geartray series use standard "off the shelf" parts to produce a very low cost solution to a thorny problem. How to produce low energy downlights at a realistic cost comparable with switch start gear.

The range of adaptors includes a unique multi way unit which can act as a flush mount or down light unit. This is ideal for use in wall brackets as it can be simply hidden in a spinning. As it is an electronic product it generates very little heat. Currently 10,13, and 18 Watt PLC lamps are covered but other lamps, such as the 26W, are planned.

Enquiry No. 1



▲ A perfect marriage between technology and style

Mains Borne Signalling - The next Generation in Dimming.

The company's revolutionary mains borne signalling system is integrated with the compact ballasts to provide a powerful low cost means of dimming lamps. As the system is mains borne, there is no need to rip walls out, reducing installation costs and 'down time'. A range of variants will be available from a simple system for restaurants and

similar buildings with basic wall dimmer control right up to an IBM compatible automated system for the larger block.

In addition to the mains borne concept the system can also work off a 2 wire bus and is also compatible with several other proprietary dimming systems, making the simple extension of a current scheme a viable proposition.

The company also produces a simpler potentiometer controlled system for use in desk lamps and similar fittings.

Enquiry No. 2

This enables the dimming of compact lamps in this type of luminaire at a realistic cost. As the requirements here are many and varied, SimmTronic offer a custom service for this product. Typical application help that has been provided in the past includes the design and production of gear trays and the supply of complete modules to include the ballast, a potentiometer and all metalwork fully assembled.

Finally, in recognition of the fact that there are still many applications where hard fired dimming is still a practical proposition, a range of low cost hard fired dimming ballasts is also being developed. A 36W is available now with 58W, 18W PLC and 26W PLC in the pipeline. SimmTronic have worked with a number of the well established dimming manufacturers to ensure that a high performance at low cost has been achieved



▲ Universal Adaptor for 10/13 and 18 Watt PLC Lamps

Quality

Quality is a key area for SimmTronic. It is a policy of the company to obtain approval (rather than simply claiming conformance) to the relevant international specifications such as IEC 928 and BS 800. In addition to these standards, all SimmTronic's products are produced in the UK to the requirements of BS5750 pt. 2.

But it is recognised that written approvals are not everything. SimmTronic recognises that when it comes to the crunch, the only really acceptable arbiter or quality is the conformance to customer's requirements.

Roger Bradburn's view is clear. "We are all disciples of Philip Crosby and his contemporaries at SimmTronic. This view is reflected by the company's policy of guaranteeing all of its

products for 2 years. We are proud to put our name on our products and have total confidence in them. On site maintenance is offered anywhere in the UK and we are happy to assist in more distant lands"

New Faces

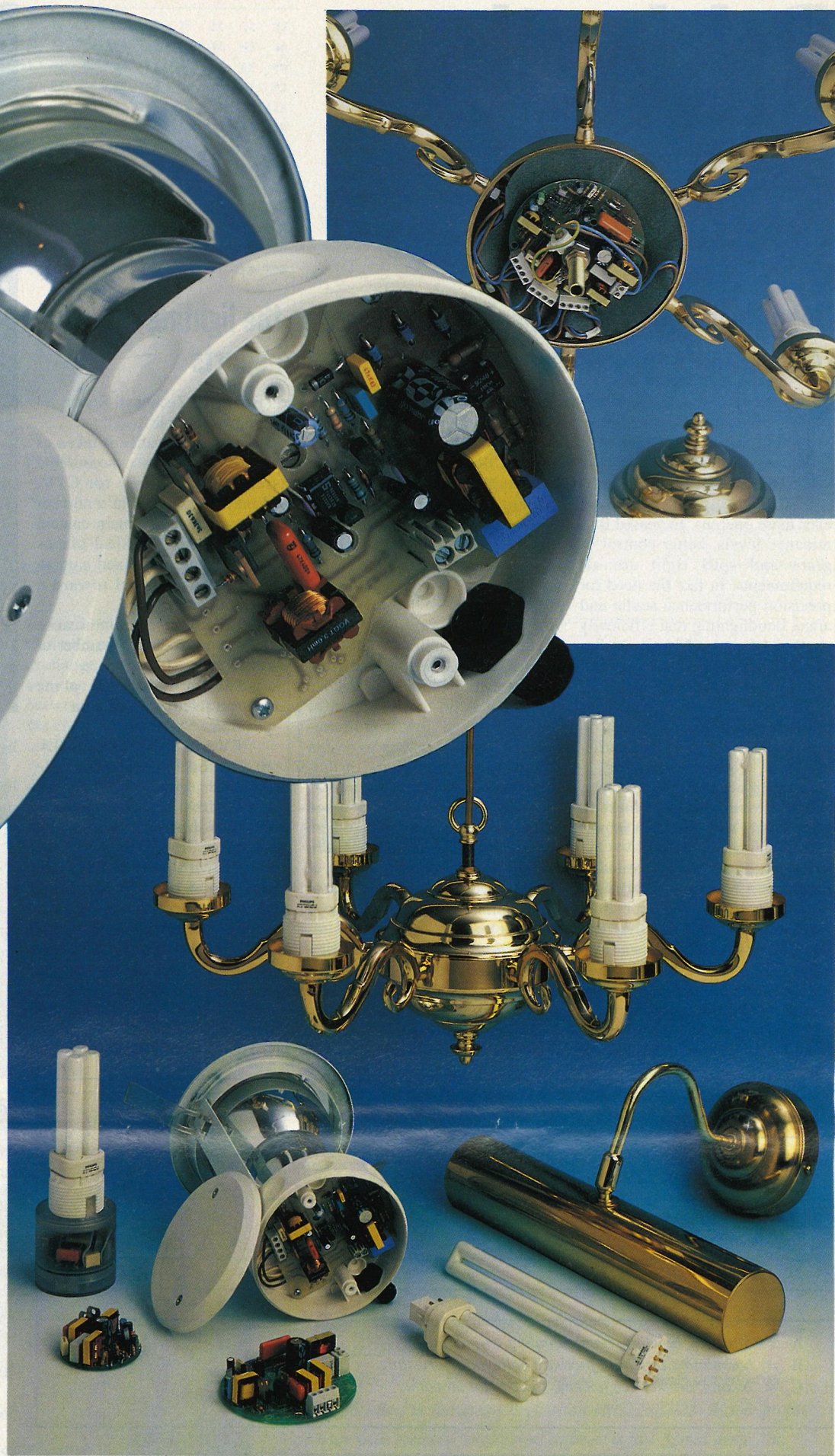
SimmTronic are pleased to welcome the following new personnel as part of their continuing expansion programme.

- Sheri Rogers Joins the company from Audio Kinetics as Office Administrator.

- The company's fitting design capability has been further strengthened by the appointment of Geoff Lea as Design Engineer.



▲ New technology for an old master



▲ A range of innovative solutions

Enquiry No. 3

Third Party Design - A Total Turnkey Service

The third party design division was set up in recognition of the need for a truly competitive luminaire development service for O.E.M.s. Taking the customers requirements from concept to final design, the service includes a complete production engineering capability as well as the provision of material listings if this is required. The main advantage from the customers point of view is that you only pay for what you need. There are no long term overheads to contend with. Once the job is done the costs stop. The payment method is simple. A monthly fee, based on man hours used, is negotiated and from this a



detailed plan of action is arrived at and agreed. At the end of each month, a summary of the work done is presented to the customer along with the actions for the next period. There is no possibility of running over budget.

SimmTronic's model making capability is comprehensive.

From basic models for testing to high quality finished items for customer assessment.

The company has comprehensive CAD and drawing facilities as well as the ability to prove a fitting to BS.4533. Thermal testing

reports and iso candela diagrams can be supplied to ensure that the final luminaire meets the initial design criteria.

If required, the service can be taken one step further to include a comprehensive sourcing of all component parts including the commissioning of tooling. Even packaging and installation and

instruction leaflets can be arranged. The customer is presented with a complete package - all that is required to commence production of the final product.

Of course, there is no need to use the complete service. Smaller commissions, such as the design and proving of a gear tray, can be quickly carried out and at low cost. It is company policy not to manufacture fittings. Consequently the customer can have total confidence that Simm Tronic will always be a partner - not a competitor.

As SimmTronic's Mario Costanzo points out. "There are few companies in this business that can offer so much experience under one roof. The cost savings are considerable and, unlike with employees, we can guarantee confidentiality with a binding legal document. We want go and work for the competition and take all of our ideas with us"

Whatever your requirements, we are here to help. Contact our sales line on 081 381 6712, fax 081 381 6697 for further information.

A Unique Service to the Lighting Industry



SimmTronic

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HERTFORDSHIRE WD6 4SE

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Raising the standard

***John Hugill looks at the problems of meeting the lighting requirements for colour television coverage of sports**

Today's sports men and women perform harder, faster and stronger than ever before, with the result that lighting specifications are becoming ever more onerous. Increased illuminance levels, better control of glare and spill light are all requirements. In fact the need for precision performance stadia and arena floodlighting that efficiently combines lamp and luminaire has become essential rather than desirable.

Modern trends in lighting standards for stadia concentrate on three areas – illumination, particularly if colour television is involved, glare and ground safety. We will look at each of these in turn starting with the most important illuminance.

Illuminance levels naturally depend on how much light the players, officials and spectators including TV need to easily follow the action. This depends on what they see and how far they are away from it as in general the further from the action they are the greater the illuminance required. In addition the faster the

speed of action the harder the visual task and thus the greater the illuminance. Furthermore the level of illuminance for outdoor sport is usually lower than for interiors due to the change of adaptation that occurs when viewing a lit surface against a dark night background.

Acceptable uniformity

Ideally most playing surfaces should appear more or less uniformly bright when viewed from the relevant directions. In practice this depends on the reflection of the surface and how it is illuminated. The usual way is to design for acceptable uniformity of illuminance as expressed as a uniformity ratio, minimum to average or maximum to minimum. Where necessary, particularly where colour television is involved, it may be required also to look at the illuminance gradient between adjacent points.

The need of colour television will generally require higher illuminance levels than would otherwise be required with a greater control of uniformity.

Recommended illuminance lev-

els from CIE Technical Report 83 are shown in table 1.

Vertical illuminance is taken as the most appropriate measure of assessing the quality for CTV, and may be assessed in a number of ways – toward a main camera position, in four vertical planes when there are no fixed camera positions and normal toward a fixed camera position.

The uniformity of illuminance may be expressed in a number of ways:-

a) For an individual plane towards a fixed main camera position:

EV MIN : EV MAX > 0.4

b) For four planes at a single grid point:

E MIN : EV MAX > 0.5

c) Uniformity of horizontal illuminance:

EH MIN : EH MAX > 0.5

d) Ratio of horizontal and vertical illuminance:

EH AVERAGE : EV

AVERAGE between 0.5 to 2.0

If there are a number of camera positions, which is indeed the case with large sporting complexes, great care must be exercised to ensure the illumination to



lights.

LVE is the equivalent veiling luminance produced by the environment.

The assessment scale is :

GR

90 – unbearable

80

70 – disturbing

60

50 – just admissible

40

30 – noticeable

20

10 – unnoticeable.

The value of 50 is the limit for sports lighting.

Lamp choice

For CTV the light source should have a colour temperature of between 4000 and 6500°K (plus or minus 500°K). The colour rendering RA index should be at least 65, although developments have made lamps with Ra's in excess of 90 available.

The characteristics of a typical 2kW metal halide lamp used for floodlighting are as follows:-

Initial lumen output 200,000 lumens

Colour Temperature 5600°K

Colour Rendering Index (Ra) 92.

Lamp luminaire combination

Many of today's floodlights use unjacketed lamps which consist of a high pressure mercury volume discharge with metal halide additives operating in a bare cylindrical arc tube made of quartz. The arc tube, typically with lamp caps at each end, is fitted directly into a suitably designed floodlight which in effect acts as the outer jacket of the lamp.

Unjacketed lamps have a greatly reduced physical dimension over jacketed lamps – typically 5% of their volume resulting in more compact luminaires and a reduction in structural loadings on masts, towers or cantilever stands.

As the lamps are slim and double ended they can be accurately positioned within the luminaire ensuring precise optical control. In order to fulfil the exacting illuminance criteria for a scheme a number of different intensity distributions are required, these may be obtained from the same floodlight body using a number of reflector combinations.

All three reflector systems indicated are provided with a baffle fitted in front and above the lamp, this serves primarily as a glare control device, but also redirects

some of the flux intercepted into the beam below the peak, improving the utilance of the scheme.

Electrical characteristics

It is common for the lamps used to operate between phases at 380v, 400v or 415v. The 2kW MBIL or HQI-TS lamps used commonly for floodlighting have high arc volts and low lamp current.

A low lamp current will be of benefit in keeping the cable from lamp to control gear to minimum size. This is of particular importance to an installation where remote control gear is used to reduce weight and windage to a structure. Economy on cable sizing will be effected particularly where multi-core cables are employed. It is very important to consider for any installation, that it is the entire package of lamp, luminaire, control gear, wiring and structural elements that should be brought together to produce an optimised design. It is also of benefit if the ignitor for the lamp is positioned with the floodlight. This simplifies installation, as the attenuation of the ignitor pulse due to cable capacitance can be ignored and only the

Cardiff Arms Park is now lit to 2000 lux – ample for tv.

voltage drop between control gear and luminaire need be considered.

Future trends

The world-wide popularity of CTV with the ever increasing demands of close-up photography and the future development of High Definition Television HDTV will no doubt require even higher standards of lighting. This will be particularly important for illuminance levels, uniformity and illuminance gradient.

Draft specifications for HDTV indicate maintained illuminance levels towards main camera positions of 2000 lux (initial illuminance may therefore be as high as 2500 lux) with diversity of illuminance (min: max) better than 0.6. With future demands on the restriction of stray light and limitation on glare, precision, performance floodlights will become even more essential.

**John Hugill is chief lighting engineer at Thorn Lighting, Borehamwood*

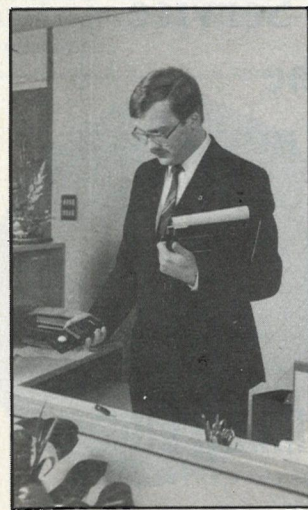
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Table 1

Maximum camera shooting distance	Vertical illuminance (lux)		
	25m	75m	150m
<u>Group of sports</u>			
A	500	700	1000
B	700	1000	1400
C	1000	1400	—

A = athletics, bowling, horse jumping, swimming
B = badminton, baseball, football, volleyball, wrestling,
C = boxing, cricket, ice hockey, squash, tablet tennis

MINOLTA



Minolta light meters are world renowned for their accuracy and ease of use. All have digital displays and many have a data-out facility for connection to a logger or computer.

Whether you want to measure Luminance, Illuminance, Chromaticity or Colour Temperature

we have a meter to suit your needs. For a little light reading ring 0908-211211, ext: 216 and ask for our catalogue.

MINOLTA – MEASURING UP TO YOUR STANDARDS

each of these is adequate. UEFA, FIFA, BBC, CIBSE also produce similar lighting criteria.

Glare

Some glare from light sources particularly where outside sports are considered, is unavoidable. The degree of glare should however always be restricted to the level where vision is not seriously affected. The levels of brightness of both the light sources and the adjacent background are important factors in the cause of glare, if the contrast between reduces, so will the glare. This can be done in several ways, the brightness of lamp can be screened from view by a louvre or by a more efficient precision reflector optic, and the luminaires can be positioned so that the observers, line of sight is avoided. For indoor sports the background brightness can be controlled by the suitable reflectances of the room.

Glare for outdoor sports can be calculated using the method described by the CIE Technical Report 5:04 (Draft).

GR = 27 + 24 log LVL

LVE 0.9

where: GR is the glare rating
LVL is the equivalent veiling luminance produced by the flood-



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Finance for floodlighting

A finance package for floodlighting has helped Cambridge United upgrade its floodlighting



The Finance for Lighting scheme not only made a difference, it made the whole project possible," said Philips marketing manager David Greaves, referring to the company's lease purchase contract to modernise Cambridge United Football Club's lighting.

Eighteen months ago modern projectors were urgently needed at Cambridge United. In the previous season almost every referee had complained about the old lights, but the club's resources fell far short of the cash required.

When Philips heard about the club's dilemma, however, it suggested making use of the Finance for Lighting scheme and within 24 hours had signed an agreement with club secretary Steve Greenall. "The Philips offer was very attractive when compared with other offers from banks and finance houses," said Mr Greenall.

Lighting on hp

Under the Finance for Lighting contract, Philips pays the installation and purchase price costs in exchange for regular repayments over an agreed period, usually between one and four years. At the end of the term the client normally owns the equipment.

According to Philips, the design of the scheme also made the costs much less than had previously been estimated. Although conventional floodlights could have been fitted to increase the light levels, their weight and wind resistance would have made the existing masts unsafe. Replacement of the masts was avoided, however, by making use of the

Cambridge United was able to update its lighting with the Philips Finance for Lighting scheme.

lightweight ArenaVision projectors and 1800W metal halide lamps. The compactness of the luminaires reduces wind resistance, so they can be installed on slimmer masts and smaller headframes than conventional rivals, claims Philips.

The 1800W lamp in the ArenaVision is fitted within an optical unit, described as advanced, which provides accurate focussing of the illumination and reduced spill light.

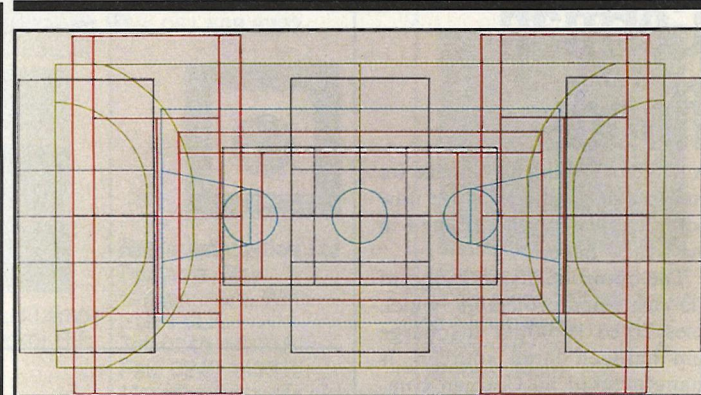
A total of 92 ArenaVision luminaires were fitted, dramatically upgrading the light level. "Some of the supporters will need sunglasses when they first see the floodlighting," joked Mr Greenall. "Now our lighting is superior to most Premier League sites," he continued.

The ArenaVision is said to

"Some of the supporters will need sunglasses when they first see the floodlighting"

combine brilliant illumination with correct colour balance and hot re-strike in the event of power failure. They are therefore suitable for TV broadcasting, which in itself can have a significant effect on a club's finances.

Reader Service No 233



Clearly in play

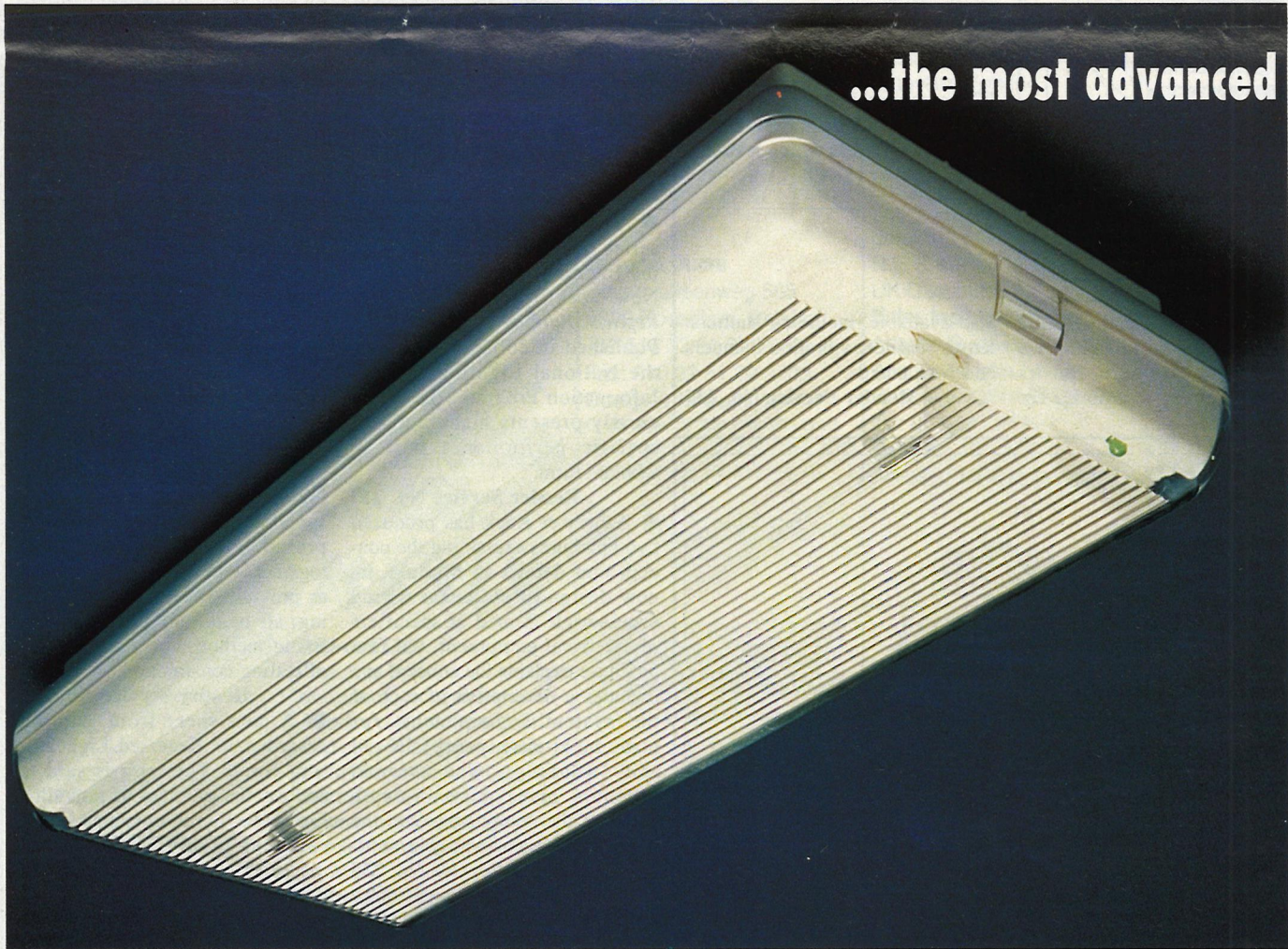
To make optimum use of space, many sport and leisure centres have multi-purpose sports areas which have lines laid out on the floor for a variety of sports. For those people using the facility, it is often far from clear which markings they should be playing within. Now, LightGraphix claims to have overcome this problem with a floor lighting sys-

tem which only marks out the required floor area.

The system, which uses a special highly resilient tubular lighting, was originally designed and implemented in a luxury sports centre in the Gulf. The standard design, which is 24 metres wide and 45 metres long, features tennis, basketball and volleyball but other layouts are available to meet individual requirements.

Reader Service No 234

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The Rilux CEE embodies the latest electronic design, and certification to European Regulation EN60598/2/22. Its low profile body with optically engineered diffuser is just 53mm deep. The pan European fast-fix base affords rapid fixing, giving significant savings on installation costs.

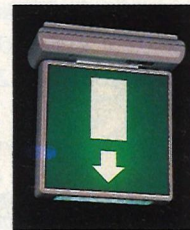


An extensive range from 6 to 40 watt - including 11, 24 and 40 watt PL lamps - means the Rilux CEE will meet the demands of most design

specifications. Mains versions are available, and the "intelligent" models, incorporating auto-test and self-monitoring features, will be released shortly. The CEE Signal and Guida versions provide the solution to all emergency exit indicating needs.

With all this, you could be forgiven for assuming the innovative Rilux CEE is expensive.

On the contrary, our competitive pricing policy ensures that it competes favourably with ordinary luminaires available from other sources.



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German floods

A range of floodlights suitable for sports halls and stadia are now being exclusively distributed in the UK by Inotec.

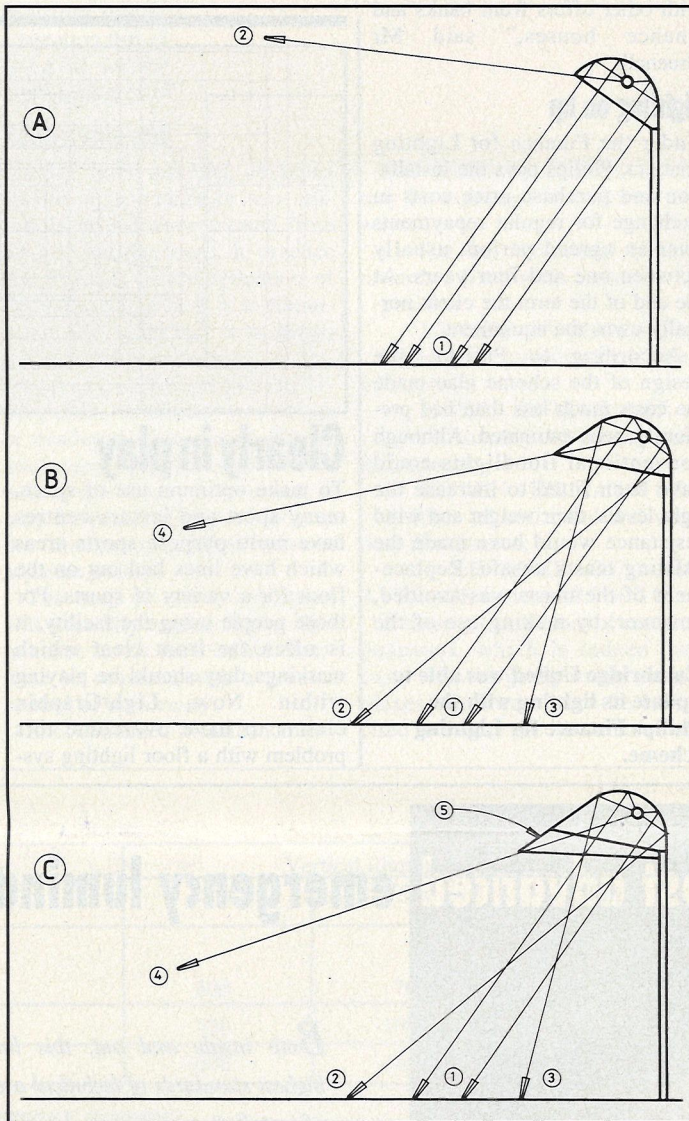
The comprehensive range of die cast flood projectors, which uses 70 to 10,000W discharge and halogen lamp sources, is manufactured by German company Schmidt Strahl.

The range offers a wide selection of optics and a large number of asymmetrical and symmetrical distributions. All of the floodlights are IP rated and have German VDE approval to IEC 598 and DIN 18032 Part 1.

The company offers technical back-up in the form of a lighting scheme design service carried out using specially designed computer software dedicated to Schmidt Strahl products.

The range is also said to include a comprehensive and unparalleled selection of asymmetrical projectors. These floodlights have a unique three-part advanced optical system which gives better uniformity by focusing light in the following way:

The first section of the reflector produces a parallel beam; the second section distributes the beam forwards towards the middle of the area to be lit; and the third section makes use of the stray light beams and redirects them, illuminating the boundary of the area. The reflector surface is also



said to prevent glare.

The asymmetric floodlights are almost glare free, but in response to an increasing demand for glare

free installations Schmidt Stahl has developed and introduced a new anti-glare louvre for its floodlights. Other accessories are

Schmidt Strahl floodlights in situ at the Trikala Stadium, Greece.

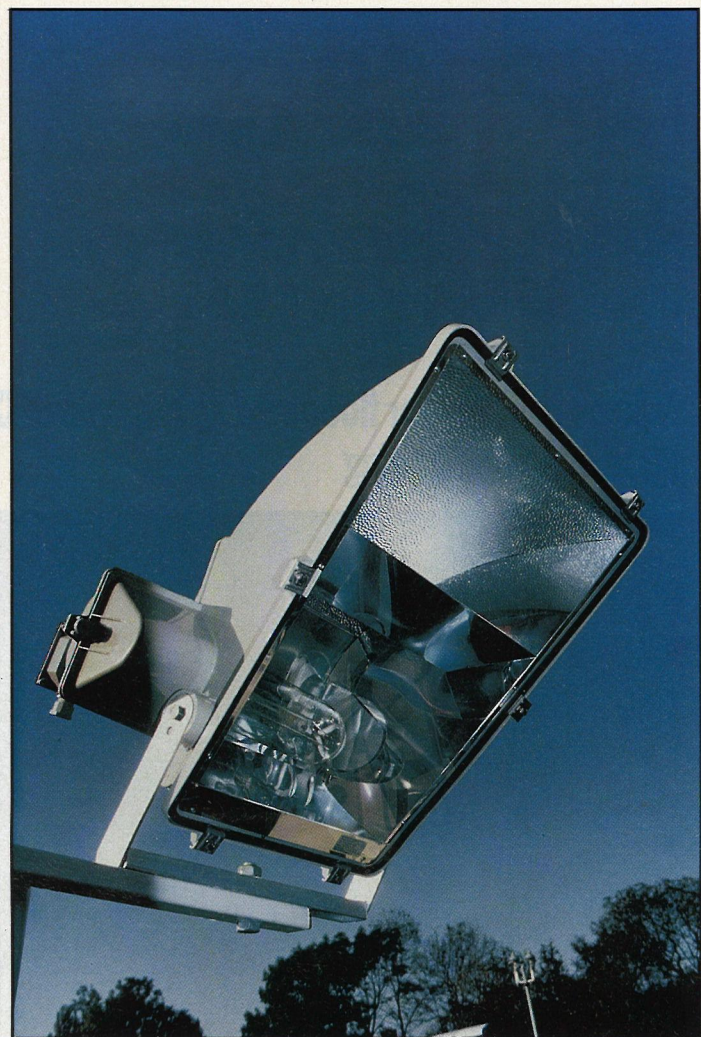
This diagram shows a typical parabolic reflector system where all reflected light is projected in a concentrated parallel beam illuminating small areas of, say, a playing field very brightly (1). (2) shows stray light causing glare.

The first section of the Schmidt Strahl reflector produces a parallel beam (1). The second section distributes the beam forwards towards the middle of the field (2). The third section redirects stray light beams, illuminating the boundary of the field (3). The reflector surface prevents glare (4).

The company has also developed an anti-glare louvre for its floodlights which reduces glare further (5).

also available, including shutters, lenses, baffles, vibration dampers and wire guards.

Reader Service No. 235



Controlling glare and overspill

The new AM562B floodlight from Abacus Municipal has been specifically designed for sports fields and stadia, though it is said to be suitable for any application where controlled floodlighting is essential.

The unit is designed to control overspill to, typically, 25m from the pitch edge, using an integral baffle to eliminate discomfort glare. Use of the AM926 cowl accessory allows the asymmetrical

beam of the floodlight to cover a large area with an effective flat glass orientation. The AB526B consists of a double asymmetric light distribution reflector and a body of high pressure, die-cast aluminium with a low copper content for corrosion resistance. The finish is a light grey epoxy polyester powder coating.

The floodlight also incorporates a toughened front glass, an adjustable lamp holder, galvanised steel stirrup and elevation protractor with non-slip serrated locking teeth to prevent movement in high winds.

Reader Service No 236

TRADE PUBLICATIONS

● The fifth publication in a series of objective reports from the Lighting Research Centre in New York is entitled *Specifier Reports: Parking Lot Luminaires*. Published in collaboration with the National Lighting Product Information Program, the report clearly presents manufacturer-specific performance data in tabular form.

Reader Service No 237

● Ashley & Rock has produced two brochures explaining the concept and details of Modula, its new design of electrical wiring accessories. Aimed at specifiers of electrical equipment, the first brochure explains the concept and includes a description of each of the system's components for plate, multi-plate, panel DIN rail and trunking. The second brochure gives more in-depth detail of the components and the function of each available module.

Reader Service No 238

● A new brochure from Crompton Lighting details its Modulay range of recessed luminaires, which are designed to reduce glare in accordance with categories 2 and 3 of LG3. In addition to a general description of the luminaires, the brochure includes louvre specifications, electrical data, dimensioned line diagrams, ordering information and a section covering the LG3 category definitions.

Reader Service No 239

● Strand Lighting has released a 52 page A4 catalogue which includes over 1200 products, many listed for the first time. A condensed format of technical

data uses icons to identify key information such as performance criteria, operating voltage, size and weight. Reference numbers for detailed product information sheets are included.

Reader Service No 240

● Surelux Lighting has introduced a brochure covering its range of low brightness luminaires. Aimed at architects, building services engineers and other specifiers, the 16 page brochure provides photometric data together with considerations such as provision of emergency lighting, air handling and alternative fixing methods for various types of ceiling construction.

Reader Service No 241

● A data sheet from Hamron describes its Recessed Light Fitting Hood. This unit is said to address the problem of providing fire protection to openings in fire resistant structures and can be manufactured to accommodate a range of light fitting sizes.

Reader Service No 242

● The June edition of *Price Reporter* from Foster Electrical Products is a 240 page product catalogue. As well as listing core products, it lists a range of small and major products and is presented in manufacturer alphabetical order.

Reader Service No 243

● A new publication from CIBSE gives advice on developing a framework to guide and support quality improvements. *CIBSE Applications Manual AM9: Quality management systems* is available from the CIBSE bookshop on 081 675 5211.

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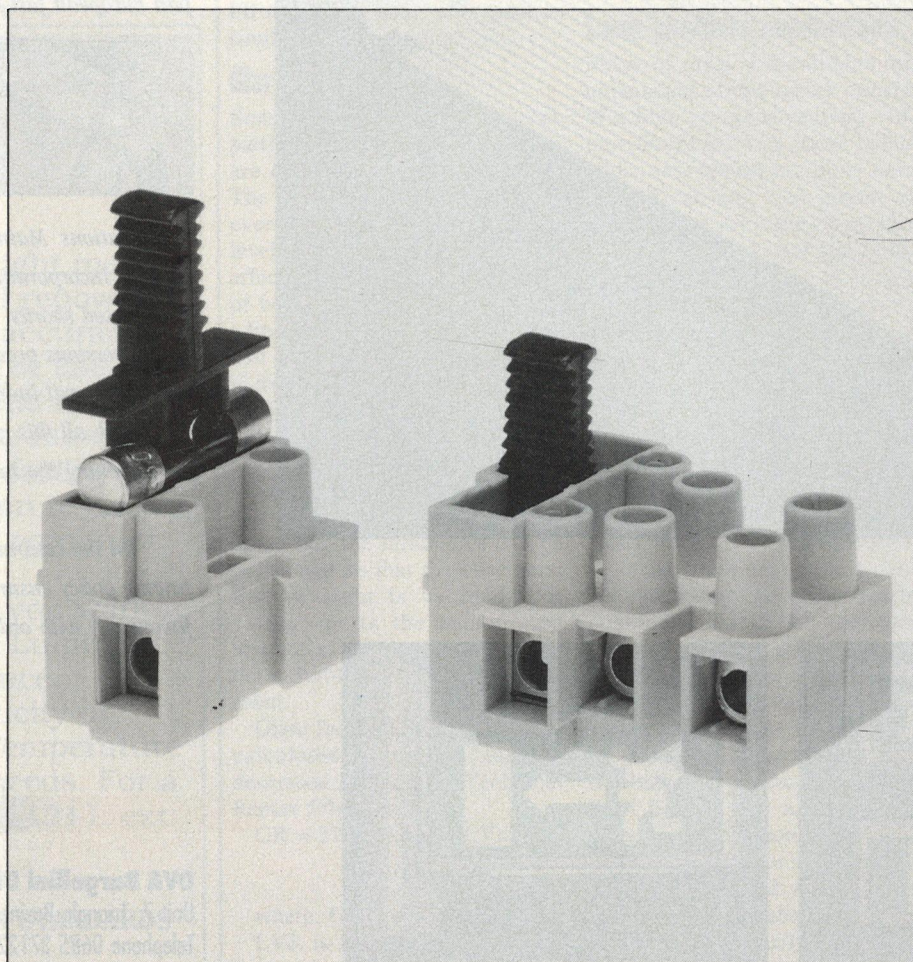
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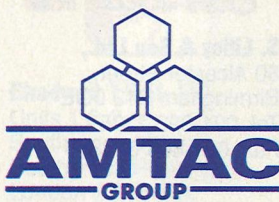


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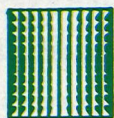


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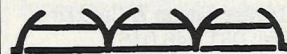


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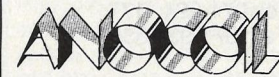
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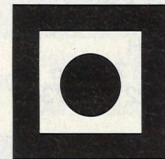
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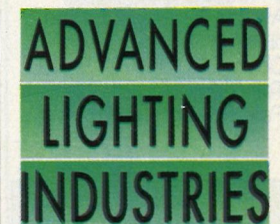
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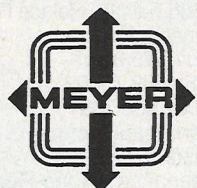


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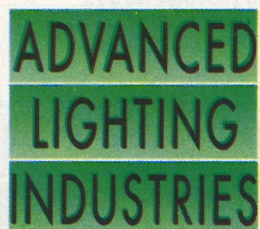
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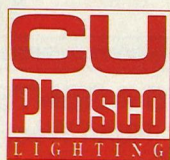


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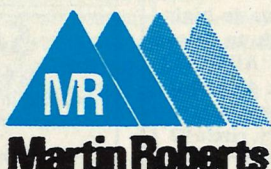
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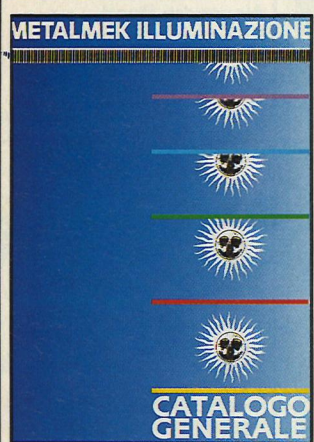
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Experience/Contacts essential.
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lighting**

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Lumitron Limited - A leading manufacturer of
commercial lighting, require a senior fluorescent
luminaire designer/draughtsperson responsible
directly to the managing director. Experience in thin
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Written applications only to:

**Managing Director, Lumitron Limited,
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iGuzzini Lighting Sales Engineer:

iGuzzini Lighting is rapidly expanding within the United Kingdom and now requires experienced Sales
Engineers for the Midlands and the North. You must be self initiated, able to work under pressure and
cope with the heavy demands required for such a role.

If you feel that you meet this requirement and are hungry for the challenge please apply in writing
stating why you should be considered, and enclosing your current Curriculum Vitae.

**Ian Stanton, iGUZZINI Illuminazione UK Ltd, Unit 2, Mitcham Industrial Estate, 85
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As the third largest lighting manufacturer in Europe and rapidly
growing in the UK, Zumtobel Lighting Systems Ltd are seeking to appoint an
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Please apply in writing together with CV stating how you believe your experience
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**The Managing Director
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Salary, uncapped commission structure and benefits commensurate with the
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Corbett Design Assoc. (Thailand) are
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Bangkok office. This person could also
come in as a Partner or if any Company
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CDA for reasonable consideration:

Please write in confidence to:
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NORTHAMPTONSHIRE, BEDFORDSHIRE, LINCOLNSHIRE
Please reply to:- Mr M. Farmery
Neptune Shades
20 Beaconsfield Road
Deal, Kent CT14 7BY



Meeting a range of needs

At the St Elizabeth Church Hall in Crawley, J W Electrics was asked to offer an alternative lighting system to the array of 150W PAR38 lamps, originally installed as the only form of lighting within the hall. The lamps were installed in surface mounted spotlights and were fixed at high level to the wooden beams.

Due to the short lamp life of the PAR38 lamp, together with the mounting position of the spotlights, maintenance was proving

to be costly. Also, energy costs were high in relation to the relatively low lighting levels being achieved.

Like many church halls, St Elizabeth is used for a variety of activities and, therefore, requires a lighting system which is capable of offering a wide range of lighting levels. However, the system needed to be as aesthetically pleasing as possible and be able to provide the range of lighting levels required from one lumi-

naire type.

J W Electrics considered using wall mounted uplighters from Commercial Lighting Systems Ltd's Sovereign range of luminaires. The 10507 luminaire chosen for the project was fitted within a 250W HQI-TS metal halide lamp as the main upward source. The reflector system used as standard in this luminaire is said to provide an extremely even illumination across the entire ceiling area. This, coupled with the

multiple switching system installed, enables the client to reduce the number of luminaires in operation at any time without creating unacceptably dark areas.

In addition to the main light source, each luminaire is fitted with a compact fluorescent downlight facility using the 18W TC-D lamp. This lamp was wired independently of the main source to provide maximum flexibility.

For general meetings of large or small groups of people, only luminaires adjacent to the proceedings are operated. This provides a high level of illumination to the area in use, while providing an acceptable level throughout the entire hall. For guides and scouts functions, all luminaires are operated to provide a high level of illumination across the whole area.

Other arrangements are used for other types of activities. During aerobic and keep fit classes, for example, alternate luminaires are operated to provide a good level of illumination across the whole area, while for evening and Sunday Mass, luminaires can be selected dependent on seating arrangement. Special worship nights can also be catered for with an even, low level of illumination from just the downlight facility of each luminaire.

The downlight facility also provides 'instant' light when the luminaires are first switched on

LIGS Report

A glorious hot day greeted golfers at the guest and Captain's day held at Camberley Heath on 9th June. A foursome Stapleford competition was played in the morning and the main event, a single Stapleford competition for the LEN cup, was held in the afternoon.

First prize for the foursomes were K Mack and G Joy, with runners up W Walker and B Jacob. First prize for the singles competition was won by B Ship, with J Butler second and B Glazer third. Jon Butler also won a prize for his longest drive and Captain's day prizes were presented by G Yendall for the best gross scores on par 3 and 5.

Streamlined studies

South Bank University has streamlined its existing HND and Certificate Courses in building services engineering into one, new course - the BSc/BTEC HND in Building Services Engineering.

The course caters for electrical and mechanical disciplines and helps students to maximise their opportunity and progress to degree level.

As the title denotes, the course

leads to a BTEC HND but it is offered with an additional optional year of study to BSc during which time the student can specialise in heating and air conditioning or electrical services and lighting.

One exciting development for this course is that the BSc 'top-up' is also available to existing HND, HNC, Polytechnic Diploma or Certificate Holders.

Reader Service No. 270

Move to Muswell

Lucent Lighting has moved to new premises in Muswell Hill, London. The offices combine with a showroom which features the latest products from Atomis,

Hadco, Licrea, Light Selection RSL, RZB, Starfire, Waco and others. Michael Dunk has taken full control of the company and Paul Thorgood has been appointed sales director.

Reader Service No. 271

and the metal halide source has only commenced its run-up cycle. If required, the compact fluorescent lamp can be operated on an

integral emergency pack to prevent the need for further luminaires.

Reader Service No 272

081-975 9759

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THE CONTRACT LIGHTING & DESIGN COMPANY

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We seek an executive with a proven record of personal achievement in commercial lighting sales who also has the ability to motivate a sales force and distributor network to increasing success.

You will need:

- Technical expertise in commercial lighting and a quality approach. Rada was the first specialist luminaire manufacturer to gain BS5750.
- The ability to delegate and monitor sales administration efficiently and maintain the teamwork between Sales, Technical and Production that ensures the highest standards of customer service.
- Extensive experience of successful negotiation with senior management in key specifying areas.

Above all, you must be an imaginative executive of the 90s, able to adapt to and generate new ideas and to manage, support and inspire a sales team to high levels of achievement in a notably competitive arena.

Please reply, with your CV, to:
Len Levinson, Managing Director,
RADA Lighting Limited
Hollies Way, High Street,
Potters Bar, Herts EN6 5BH



CHALMERS & MITCHELL LTD. part of RTZ Pillar are a leading manufacturer of specialised lighting equipment.

Our Chalmit brand offers one of Europe's widest range of floodlights, and wellglasses for use in hazardous areas, high specification industrial applications and also the Alumex range of quality fluorescent fittings for commercial/industrial uses.

MARKETING MANAGER

We are seeking a high calibre Marketing Manager with a proven track record in the lighting industry and a sound technical understanding.

The successful candidate will provide support for our worldwide sales effort with the management skills to shape and influence the strategic development of the company.

The position, based in Glasgow, offers an excellent salary, company car and associated benefits.

SALES AGENTS REQUIRED for Home Counties (North & South), South West England, South Wales and Southern Ireland. For both our Alumex brand and Chalmit Road & Amenities range.

We are seeking agents in the above areas to expand our existing business/client base. The successful applicants will have a good knowledge of local authorities, consultants, contractors, specifiers and end users.

Please reply in writing to:
Managing Director, Private & Confidential, Chalmers & Mitchell Ltd. 388 Hillington Road, Glasgow G52 4BL

Area Sales Engineers Lighting

Having established ourselves as the leading manufacturer of Compact Fluorescent Downlights in Germany, we are now entering our second phase of growth by setting up a number of subsidiary Company's. Our UK operation will begin in September 1993.

To achieve our aims we need to recruit a number of **Ambitious, High Quality, Area Sales Engineers, specifically to cover London and the South East.**

To obtain the high levels of growth which we are seeking it is envisaged that the successful candidates will possess the following skills and attributes.

Minimum of 5 Years Sales Experience
Excellent Knowledge of Lighting Specification Market
Contacts at senior level with Consulting Engineers & Electrical Contractors
Qualified to ONC/HNC (Electrical)
Ability to absorb and explain innovative ideas
A desire to be successful in an extremely competitive Market with a Quality Product
Self motivated with a strong work ethic
Have personality and be of smart appearance

In return we are prepared to offer an excellent compensation package comprising: **Quality Car, High Basic Salary, Performance Commission Scheme, Training, Expenses, 28 Days Holiday, etc.**

If you feel that you meet our requirements and are looking for a long term stable and secure future with a rapidly expanding Company, then please send your full c.v. with a recent passport size photo, together with a hand written letter telling us why we should consider your application to:

The Managing Director
Box No 1560, Lighting Equipment News, Chalk Lane, Cockfosters
Road, Barnet, Herts EN4 0BU

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FOR CLIENTS

Why waste precious Management time on D.I.Y. Recruiting? We have top Sales Professionals from the Lighting Industry available NOW. Every extra week your vacancy goes unfilled - your company loses more money. Our service is fast, friendly and efficient.

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LIGHTING

EQUIPMENT NEWS

'Studio 3' A system which knows when its time to turn the lights down low...

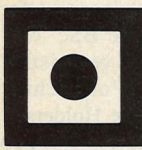


Studio 3, a system which is user friendly, allowing you to control various lighting scenes, in one building, at the touch of a button. A system which is so innovative it won the **Electrotech Award** and the **IF Award** at Hannover.

Studio 3, a lighting control system which can be programmed to give preset lighting levels, with up to 36 different scenes. A system which can create the right mood in the workplace, hotels, museums, art galleries, clubs and window displays, in fact anywhere.

Studio 3, a system with 180 Amps capacity, where the control circuitry is just **two 12v wires**.

Studio 3
SCENE SETTING PROGRAMMABLE
LIGHTING CONTROLS



**Home
Automation**

Home Automation Limited,
Bumpers Way,
Chippenham,
Wiltshire SN14 6LF
Tel: 0249 443422 Fax: 0249 443315



Indoor street lighting

Waiting to see a doctor can be a tense experience, especially for

children. Stafford District General Hospital's new outpatient area attempts to ease this problem by simulating a 'children's village', complete with village green, shops, houses and roads with 'street lighting' from Moorlite.

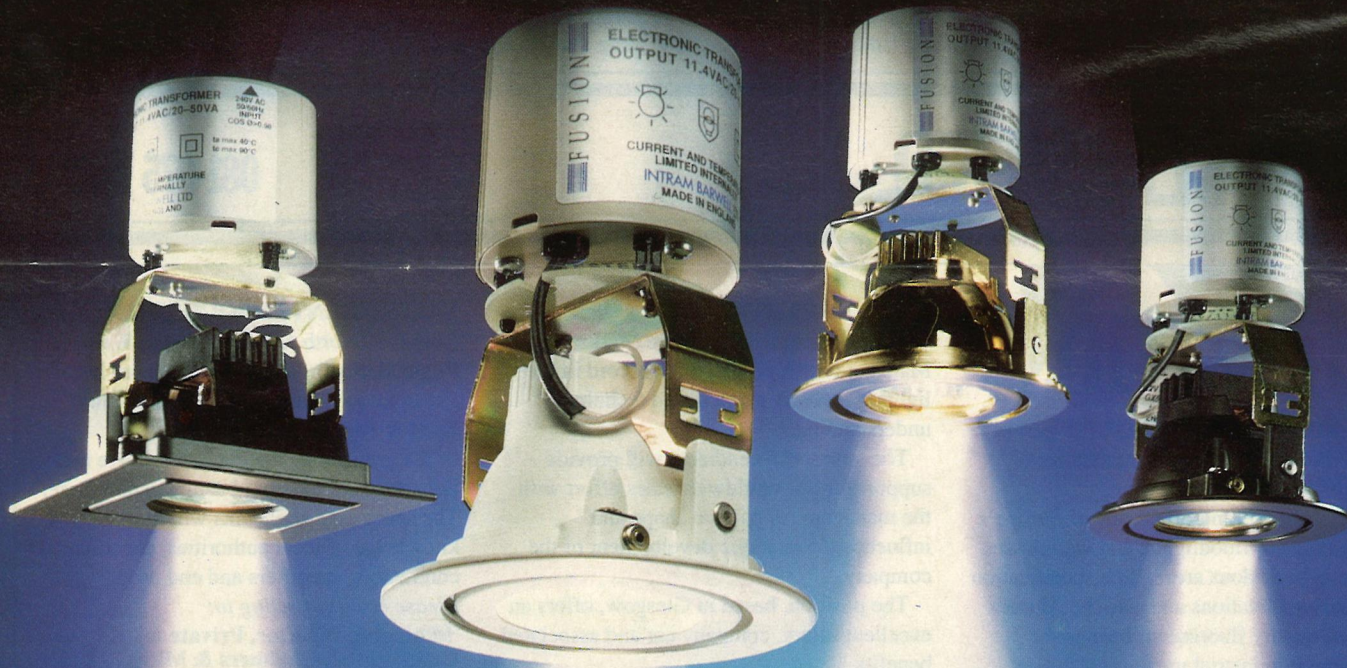
In the waiting area the corridors have been made into 'roadways', with 'street lighting' using Moorlite's SAMES range of tubular luminaires tracking the road-

ways like tram wires. According to the hospital's Estates Department, this luminaire range was specified because: "It provided something different, to fit the uniqueness of the village. There was plenty of choice available in the range to suit the various village scenes, and lots of bright primary colours to reflect the mood we've tried to achieve."

Reader Service No 273

PERFORMANCE GUARANTEED

Night after night after night...



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That means when you specify Fusion, we guarantee you'll enjoy the performance".

Fusion is the original, fully integrated downlighter/electronic transformer that makes installation 'as simple as wiring a plug' and is fully regulated and dimmable for maximum flexibility.

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Telephone 081 391 5252 Fax: 081 974 1629 Telex: 925415 INTRAM G.

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Lamp standard

The British Standards Institute has issued a new specification for high-pressure sodium vapour lamps entitled BS EN 60662: 1993.

The new standard specifies lamp dimensions and electrical characteristics necessary to ensure

interchangeability and safety, together with test conditions and procedures.

The new standard supersedes BS 6193: 1990 and is available from BSI Customer Services, Publications, Linford Wood, Milton Keynes, MK14 6LE, priced £77.60, or £38.80 to BSI subscribing members.

Bringing the 50s up to date

Price Macniven Partnership has recently completed a re-design of Aldermay House, a city office building and the former headquarters of the Association of British Insurers. "Although the building was designed and constructed in the late 50s, in a period of relative austerity, the original reception space was generous and used good quality materials," said partner Derek Price. "Much of this was retained and refurbished at moderate cost to the client. We then added a number of key elements that not

only respected the period of the building, but also enhanced its character and elegance."

In the reception area, these include a custom designed sky-lion-type chandelier, which suspends 3.5m in the double height space and uses 24 low voltage spots cantilevered out on thin aluminium stalks. Generally, lighting levels have been increased to give a cool, clean uncluttered ambience.

Improvements to the entrance exterior include planting and up-lighters on columns, a new stainless steel canopy with halo-lit signage and the re-siting of the original artworked etched glass screens.

Reader Service No 274

Italian window shopping

Intel '93 was billed as "the shop window of a changing Italy" - a chance for the country to show off the best of its electrical, electronic and lighting products.

The biennial exhibition in Milan has steadily grown in size, in '91 it attracted over 79,000 visitors and over 1,000 exhibitors.

With the Italians jockeying for position in the race with Germany to be Europe's biggest lighting exporter, a major feature of the show, which took place in May, was the lighting show-within-a-show.

The lighting show within Intel occupied some 25,000m² of exhibition space and had stands from

250 major Italian and international exhibitors, including the big four - Philips, Thorn, Siemens and Osram.

Products on show covered all sections of the lighting industry, with a strong presence from leading Italian manufacturers Disano Illuminazione, Zerbetto and Sames.

Inside the main lighting pavilion, the exhibition organisers ran a series of workshops on topics of concern to the lighting industry, both Italian and European.

Interest in the show was high, with Italians in large numbers prepared to give up sizeable chunks of the weekend to visit busy stands. And many foreign visitors came to see what was on offer at what has become a major lighting show in a major lighting country.

IN YOUR NEXT ISSUE

Next month's feature will be looking at a range of lighting control systems and how they can contribute to energy efficiency. This,

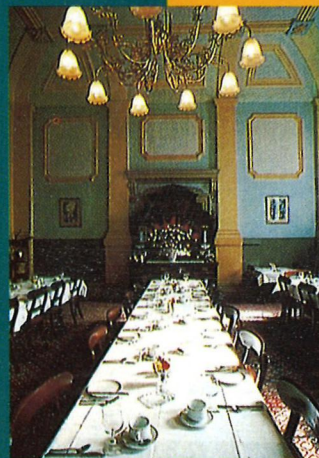
combined with usual news, products and case studies, promises to be an ideal way to while away the summer evenings.

the

ighting association

buyer's guide

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the lighting association

buyer's guide

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products**

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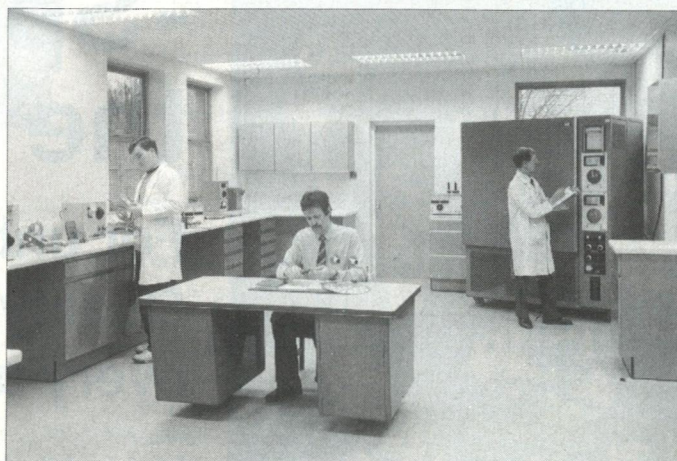
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The new test laboratory at the Lighting Association HQ

This listing has been compiled on the basis of information supplied to Lighting Equipment News by the LA and LA member companies as at 1 July 1993. For further information contact the Lighting Association, Stafford Park 7, Telford, Shropshire TF3 3BD. Tel: 0952 290905 Fax: 0952 290906

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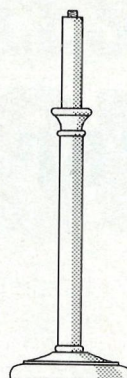
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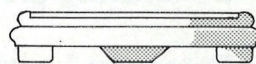
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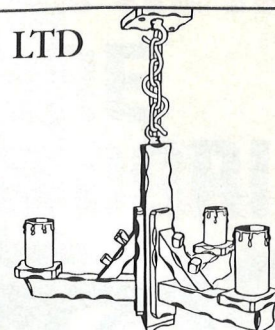
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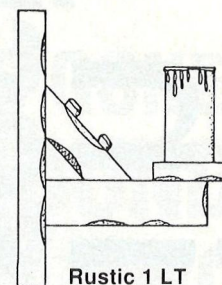
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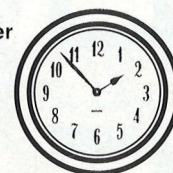


Rustic 3 LT



Rustic 1 LT

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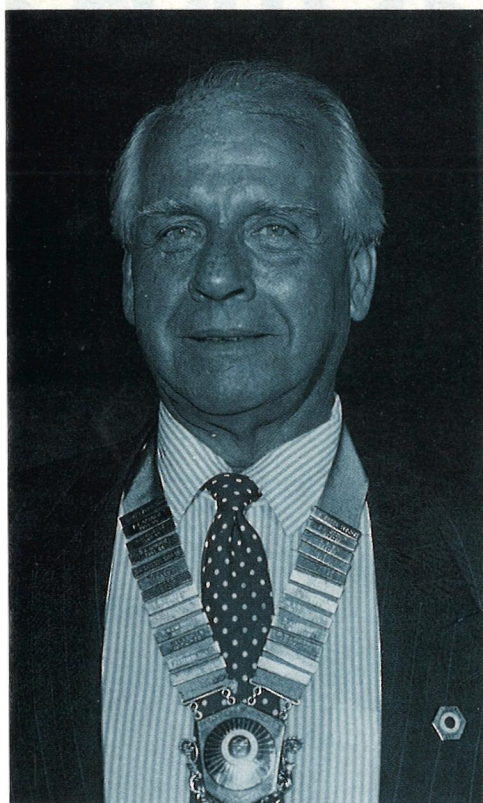
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IMI

Generating greater **consumer** awareness



**LA President
Albert Shaw –
promoting the
LA Code of
Practice to the
consumer.**

One of the Lighting Association's major objectives over the next 12 months is to generate greater consumer awareness of its Code of Practice, says Albert Shaw, president of the Lighting Association

The Lighting Association, which represents some 350 of Britain's leading manufacturers and suppliers of lighting equipment, is committed to safety. That is why for over a decade, we have operated a Code of Practice specifically designed to help ensure that our members products conform to all major UK and European Safety Standards.

Dr Ian Twinn, chairman of the British Parliamentary Lighting Group, has described the Lighting Association's Code of Practice as an excellent example of an industry getting its house in order, and self policing its products, rather than leaving it to the "heavier hand of bureaucrats".

While an increasing number of major lighting retail outlets, as well as many smaller high street stores, are now only stocking units carrying the Association's Code of Practice accreditation, there is still a great deal to be done to generate greater consumer awareness.

CODE OF PRACTICE

Our Code of Practice is continuously being reviewed and updated to keep pace with new technology, manufacturing techniques and legislation. Furthermore our EC lighting colleagues are seriously considering using our code as being the model framework for a pan-European scheme.

However, I do believe that our next most important task is to now promote our Code of Practice to the consumer. I want our Code of Practice registration mark to become synonymous with both safety and quality in the eyes of the general public.

Every year, more and more of our

members are achieving BS 5750 Part 2 accreditation for implementing quality management and production control systems as well as BS5750 Part 1 which includes design. This is extremely encouraging and positive proof of our members increasing commitment to quality and service.

We as an Association will continue to support all members seeking to achieve this goal and we now have the in-house expertise and resources to help them win this increasingly important accreditation.

The Lighting Association is equally determined to develop closer working liaison with wholesalers, major chain and specialist lighting retailers.

RETAILERS SCHEME

Our Lighting Retailer Training Scheme is now attracting nationwide interest from both the major department stores as well as the smaller, independents around the country.

I want to build on this initiative. I believe it is essential that we – as a trade organisation – must work more closely with everyone involved in our industry so that we can keep pace with what the market wants and what the market needs.

We are investigating a number of new initiatives in this direction, including a possible change of our Association's articles of incorporation to enable retailers to become associate members.

I am sure there is a great deal more that can be achieved by lighting manufacturers, suppliers and retailers all working together and it is certainly something we will be treating as a matter of priority in the coming months.

European Lightsh means busine

Following last year's success, 1994's European Lightshow is expected to be even bigger and better

The European Lightshow '93 at London's Earls Court 2 was the biggest lighting exhibition ever mounted the UK. With over 175 exhibitors and record visitor attendance figures, it is now the undisputed Number One lighting event in Britain.

Equally important, the show is winning a growing reputation on the international exhibition calendar ranking alongside the major lighting shows in Italy, France, Spain and Germany. That is why the show is now recognised by CELMA (the Committee of European Luminaire Manufacturers Associations) at the lighting exhibition in the UK.

The European Lightshow is sponsored, organised and promoted by the industry for the industry resulting from a unique and powerful partnership between the Lighting Association and the Lighting Industry Federation.

It is this commitment to the industry which has made the show so successful and, just one of the many reasons why the European Lightshow has expanded, while many other exhibitions are witnessing decline.

The European Lightshow's proven formula is to present the very best and latest in

decorative and commercial lighting all under one roof in the superb setting of Earls Court 2.

Visitors to the show – including retailers, wholesalers architects, interior designers, consulting engineers, electrical contractors and everyone with a genuine interest in

lighting – now know that is the one exhibition of the year they cannot afford to miss as this is the show where new products, new ideas and the latest in lighting technology will be on display.

London's Earls Court 2 is one of the most modern and best equipped exhibition centres



"The exhibition they cannot afford to miss – the show where new products, new ideas and the latest in lighting technology is on display"

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in Europe and the ideal venue in which lighting – in all its many forms – can be displayed to full advantage.

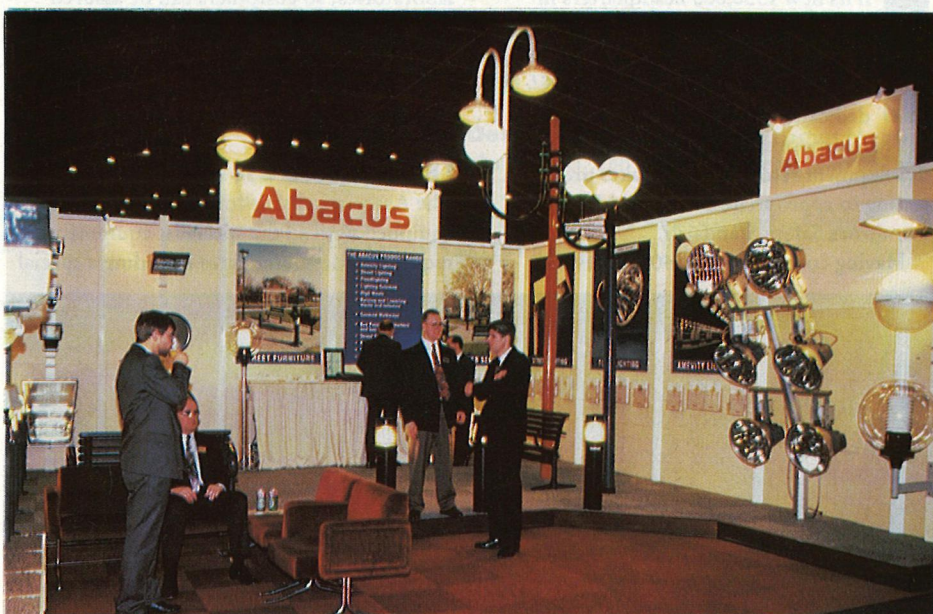
For many companies, the European Lightshow offers a truly cost effective solution to exhibiting, by taking full advantage of the specialist shell scheme



**Above top:
Showgoers
take a tea
break**

**Above right:
one of many
imaginative
stands at the
show**

**Left: visitors
sit back and
admire the
view**



options which can be equipped with electrical, and other services, to their specification.

Meanwhile, an increasing number of exhibitors, prefer the flexibility and freedom to design and build their own stands by taking a 'free-build' site where their products can be displayed to advantage in a purpose designed atmosphere.

Andrew Osmond, immediate past-president of the Lighting Industry Federation said after this year's show: "The European Lightshow '93 has proved once and for all that this exhibition – run by the industry for the industry – really works."

"Equally important, visitors said time and time again, that they fully endorsed the concept of one show where the very best and the very latest in lighting, in all its many forms, could all be seen under one roof," he added.

Meanwhile Peter Hunt, immediate past-president of the Lighting Association, commented: "The overwhelming feedback from exhibitors at this year's show was that they enjoyed a first class exhibition and that new business enquiries appear to have been

**"This exhibition –
run by the industry
for the industry –
really works"**

an at an exceptionally high level.

And a final word from the Lighting Association's Graham Samuel, the European Lightshow '94 exhibition organiser: "We have learnt a great deal from the two years we have been staging the show at Earls Court 2 and we can confidently provide a complete range of professional services and expert advice to both established and first time exhibitors."

Further information about the European Lightshow '94 which will be held at Earls Court 2, London from January 30 to February 2 next year can be obtained by contacting Graham Samuel, exhibition organiser, the Lighting Association, Stafford Park 7, Telford, Shropshire TF1 3BD or by telephoning 0952 290905 or by fax on 0952 290906.

Laboratory committed to service

The very highest quality standards are in operation at the Lighting Association's new test laboratory

In its new £350,000 headquarters in Telford, Shropshire, the Lighting Association now operates the only independent laboratory in the UK dedicated to the testing of luminaires.

This purpose designed test and development resource, undertakes product testing to appropriate British and European Luminaire Safety Standards.

Having completed over 400 individual

laboratories, so customers can be assured that we are operating to the very highest quality standards," explained Richard Le Page, manager of the Association's test laboratory.

INDEPENDENT TESTS

The Association's Telford laboratory is equipped with all the specialist equipment required to test luminaires including a special



The lab is equipped with up-to-date specialist equipment

non-compliances - often at no extra charge for the re-testing of that product."

"We always issue a comprehensive and detailed test report whether or not the products are subsequently passed or failed. The days of simply issuing 'compliance', or 'non compliance' reports without any written explanation are long gone," he adds.

"One of the most common faults we find is that the lampholders on many luminaires are just not tight enough," said Richard.

"Before submitting any luminaire for test, it is vital to ensure that the correct torque is applied to meet the required standards."

Other common faults discovered to date include: in-correct labelling; in-adequate consumer installation instructions, and luminaires with rough or sharp edges which could damage wiring.

"Companies should also remember that when submitting products for test, we must have the relevant Certificates of Compliance for all major components involved in the luminaire such as lampholders, switches, transformers, ballasts and cables," he pointed out.

COMPLIANCE

Documented evidence of compliance to recognised standards, is a subject which Keven Kearney, the Lighting Association's technical manager, sees as becoming increasingly important.

"Notwithstanding the legal requirement, manufacturers and suppliers of luminaires will increasingly receive enquiries from customers concerning safety of goods," he forecasted.

"In fact this is already happening with more and more retailers now demanding that they will only stock luminaires manufactured within the Lighting Association's Code of Practice Scheme," he pointed out.

"This situation can only result in more business for our members at the expense of those companies not able to show proof of conformity with the necessary standards.

"So our Code of Practice is an invaluable tool which we can use to help control imports that do not comply with the safety standards that both retailers and consumers are now rightly supporting," he concluded.



The LA's test laboratory operates to the highest quality standards

product tests to date, ranging from simple table lamps to complex chandeliers, the laboratory is winning a growing, nationwide reputation for providing a first class service at exceptionally competitive prices.

Furthermore, looking to the future and NAMAS accreditation, the Lighting Association has astutely provided for further expansion of this unique resource in order to handle the anticipated increase in business this internationally recognised approval system will generate.

"NAMAS accreditation is equivalent to BS5750, but specific to test and calibration

climatic chamber, a moisture ingress tank, and an endurance test chamber.

Richard Le Page and his team of specially trained lighting engineers take great pride in their independence.

"Because we test only luminaires and our in-depth knowledge of the lighting industry, we can provide the expertise our customers are looking for to help them with research and development of their products," Richard explained.

"Equally important, when they submit their luminaires for testing they know they will also be given the chance to rectify any

Aargaard Hanley Ltd 230 Stanningley Road, Bramley, Leeds, West Yorks LS13 3BA. Tel: 0532 568678 Fax: 0532 558438

Abstracta Construction Ltd 187, Brent Crescent, London NW10 7XR. Tel: 081 965 8845 Fax: 081 965 5120

Academy Lighting 3 Wyvern Ind Est, Beverley Way, New Malden KT3 4PH. Tel: 081 949 8888 Fax: 081 942 0937

Aimbry International Ltd Upper Sunnysbank Mill, Red Lane, Meltham, Huddersfield HD7 3LJ. Tel: 0484 852265 Fax: 0484 850337

Aladdins Lighting Cave/JCC Lighting Lamplighter House, Shripney Road, Bognor Regis PO22 9LL. Tel: 0243 829040 Fax: 0243 780006

Andy Thornton Archl. Antiques Ltd Ainleys Industrial Estate, Elland, West Yorkshire HX5 9JP. Tel: 0422 375595 Fax: 0422 377455

All-Lite Lighting Limited

6 Riverside Park, Station Road
Wimborne, Dorset BH21 1QU
Telephone: 0202 848228 Fax: 0202 848448

Manufacturer of contract lighting incorporating lighting design, supplying hotels, pubs, clubs, restaurants, casinos, government buildings and the leisure industry.



A B C D E F G H I J K L M O

Aristocraft Ltd

Unit 6a, Kinsale Road Industrial Estate
Cork, Republic of Ireland
Telephone: 010 353 21 964311 Fax: 010 353 21 964738

Figurine table lamps, handpainted, in the Capodimonte style. These are available fully painted in traditional colours, white with flesh and face painted, bronze finish. Hand made traditional style lampshades, single scalloped empire, bluebell, lily, dome, all designed to co-ordinate with the table lamps. Handmade coolie shades with rolled edges. Available in many colours.



I J

Astral International



Astral House, Lonsdale Street
Stoke-on-Trent ST4 4DS
Telephone: 0782 744044 Fax: 0782 744099

Although primarily the leading manufacturer of Traditional Telephones in the world, Astral also make, under licence, Bone China Tablelamps to co-ordinate with their collection of Royal Albert Telephones. They also manufacture a Limoges Castel Tablelamp to co-ordinate, with the French Porcelain Telephone and other telephones in the Collection include Onyx, Marble, Wood, Brass and Antique with Bone China telephones from Aynsley, Minton and Queens. They have 22ct gold plated fittings, and are BABT Approved for use with a one year warranty. The Tablelamps comply with the BS 5042 standard.

①

Anglia Spinners 115A Little Staughton Airfield, Little Staughton, Beds MK44 3BN. Tel: 0234 376398 Fax: 0234 376506

Applied Security Design Ltd Mangham Road, Barbot Hall Ind Est, Rotherham, S. Yorks S61 4RJ. Tel: 0709 374898 Fax: 0709 382534

Architrade Unit 6 Parkside Works, Parkwood Street, Keighley BD21 4PJ. Tel: 0535 681284 Fax: 0535 681256

Ardbride Products Ltd 58 Glasgow Street, Ardrossan, Ayrshire KA22 8EH. Tel: 0294 605 441 Fax: 0294 66 939

Arden Manufacturing (B'Ham) Ltd 47/50 Tenby Street North, Hockley, Birmingham B1 3EG. Tel: 021 233 1776 Fax: 021 200 1147

Arnold Smart Ltd Unit C2, Aberaman Ind Estate, Aberdare, Mid Glam CF44 8DL. Tel: 0685 811882 Fax: 0685 813861

Arragon Studios Ltd Arragon Lodge, Santon, Isle of Man. Tel: 0624 824650 Fax: 0624 825528

Ashley and Rock Ltd Rock Works, Commerce Road, Brentford, Middx TW8 8LN. Tel: 081 560 8151/6 Fax: 081 560 0858

Astbury Lighting Ltd Elizabeth Mill, Worrall Street, Congleton CW12 1DT. Tel: 0260 278114 Fax: 0260 280461

A Attenborough & Co Ltd Nuart Road, Beeston, Nottingham, NG9 2NH. Tel: 0602 258185/6 Fax: 0602 227445

Autumn Shades Ltd Market Hill, Hedingham Road, Halstead CO9 1AR. Tel: 0787 477664

Azad Electricals 106 Plashet Road, Plaistow, London E13 0QS. Tel: 081 472 1643 Fax: 081 472 4620

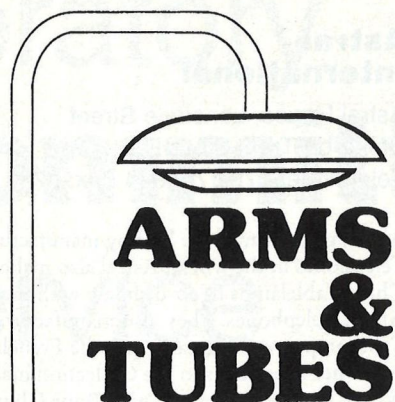
Backmann Chandeliers 3 Wyvern Ind Est, Beverley Way, New Malden KT3 4PH. Tel: 081 949 8888 Fax: 081 942 0937

Bayada Brothers & Co Ltd 88 Horsenden Lane North, Greenford, Middx UB6 7QH. Tel: 081 903 7151 Fax: 081 903 0961

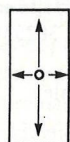
Beaumont Lighting Miriam Harris Works, Weale Road, Chingford, London E4 6JL. Tel: 081 524 1151

PRODUCT CODING

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|--------------------------------|--------------------------------------|-------------------------------------|-----------------------|--------------------------|
| (A) Outdoor Lights | (B) Chandeliers & multi arm fittings | (C) Pendant & single light fittings | (D) Flush fittings | (E) Floor lamps |
| (F) Wall brackets | (G) Spotlights | (H) Child appeal lighting | (I) Table lamps | (J) Lampshades |
| (K) Novelty & effects lighting | (L) Lighting controls | (M) Dec. fluorescent fittings | (N) Security lighting | (O) Low voltage lighting |



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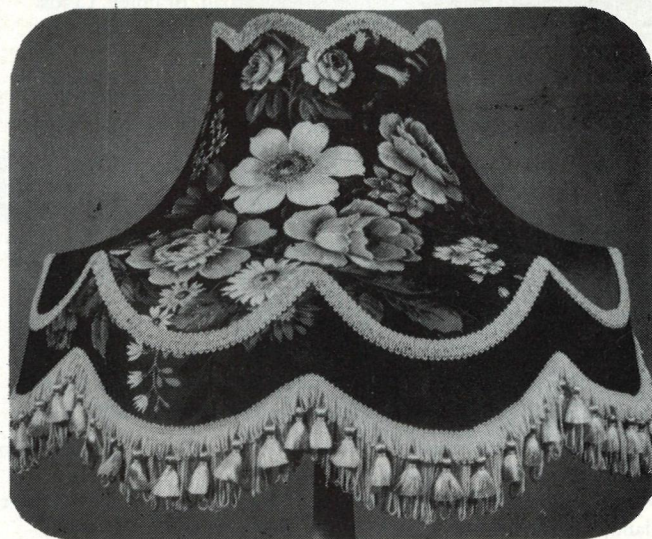
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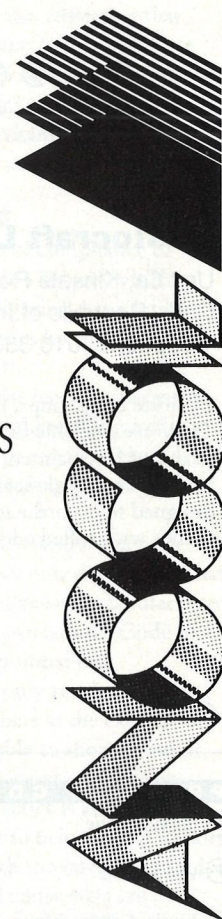
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CERTIFICATE NO. Q6185



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69 Tewkesbury Gardens
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Telephone: 081-204 2446 Fax: 081-206 2871

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(B) (E) (F) (I)**Bernard S. Sutcliffe Ltd**

105 Stainbeck Road
Leeds LS7 2PR
Telephone: 0532 680409 Fax: 0532 371022

We specialise in servicing the independent retailer. Our range of products includes exclusive lampshades manufactured by our associate company, Vogue Lighting Ltd; an extensive collection of floor standards in brass, wood and onyx; table lamps in brass, wood, onyx and ceramic and Marie Therese crystal fittings. A full colour catalogue is available on request.

(B) (D) (E) (F)**Barry R. Skinner Lighting**

Unit 3, Clipstone Brook Industrial Park
Cherry Court Way, Leighton Buzzard, Beds LU7 8TX
Telephone: 0525 850562 Fax: 0525 851623

Barry R. Skinner Lighting are leading manufacturers of a comprehensive range of picture lights and brass fittings for both the retail and contract trade. Most ranges are also available for low energy applications. For full colour specification leaflets apply to above address quoting reference LEN/05. In addition we import various domestic ranges covering a wide spectrum. These include halogen uplighters, rustic ceramic fittings, gold plated brass lanterns, Maria Therese crystal and many more. Full sales representation throughout the UK and Ireland. Let us know whether you require somebody to visit you.

(A) (B) (C) (E)

Belgravia Arts Ltd 4 Ferrard Close, Ascot, Berks SL5 8LN.
Tel: 0344 882 979 Fax: 0344 882 979

Bella Figura Ltd Decoy Farm, Church Lane, Melton, Woodbridge, Ipswich, Suffolk IP1. Tel: 0394 461111 Fax: 0394 461199

Belvedere Unit 3, Hartley Business Park, Selbourne, Alton, Hants GU34 3HS. Tel: 0420 50524/525 Fax: 0420 50491

Bernard Rooke Pottery The Old Mill, Swilland, Nr Ipswich, Suffolk IP6 9LW. Tel: 0473 85460 Fax: 0394 380933

Best & Lloyd Ltd William Street West, Smethwick, Warley B66 2NX. Tel: 021 558 1191 Fax: 021 565 3547

Bito (London) Ltd Rectory Lane, Rear 31/33 Sidcup Hill, Kent DA14 4QW. Tel: 081 302 7022 Fax: 081 308 0448

E W Blockley Ltd 353 Upper Balsall Hth Road, Balsall Heath, Birmingham B12 9DR. Tel: 021 440 3340 Fax: 021 446 4023

L. M. Beasley & Co Ltd

8 Stafford Road
Caterham, Surrey CR3 6JA
Telephone: 0883 343559 Fax: 0883 341502

Manufacturers of quality soft shades using silk, satin, dupin fabrics for tailored shades. Cotton, silk and polyester for mushroom, knife and box pleats. Self trim, fringes, tassle, braids to match. Contract and retail.

(D) (J)**Bonus Accessories Ltd****BONUS
ACCESSORIES**

Citadel Trading Park, Citadel Way
Hull HU9 1TQ
Telephone 0482 24917/8 Fax: 0482 588753

We are specialist manufacturers of interior decorative lighting. You can select from our existing range or we can design for you by use of our wide range of lighting components and finishes. From brass, light and dark antique to even painted finishes. A varied range of interior glass shades are also available from stock to compliment both wall and ceiling fixtures. Individual designs on glassware can also be catered for. When you are a Bonus customer, you have all the options.

(C) (D) (F) (G)**PRODUCT CODING**

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|---------------------------------------|---|--|------------------------------|---------------------------------|
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| (K) Novelty & effects lighting | (L) Lighting controls | (M) Dec. fluorescent fittings | (N) Security lighting | (O) Low voltage lighting |

Brilliant (UK) Ltd



Twickenham Trading Estate, Rugby Road
Twickenham, Middx TW1 1DS
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Brilliant (UK) Ltd is a subsidiary of Brilliant AG, one of Europe's leading manufacturers of lighting products. Brilliant offers a wide choice of well designed quality products at competitive prices. The Brilliant portfolio includes spotlights, pendants, desk and floor lamps, downlights and outdoor lighting for mains and low voltage.

A C E F G H I N O

British Electric Lamps Limited



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Telephone: 081-946 5035 Fax: 081-879 0602

Manufacturers and distributors of mainly incandescent light sources and luminaires. The luminaire range features a full selection of products used for general amenity lighting, and a specialist series of modern unique attractively designed fittings for outdoor use.

A G N

Browill Lighting



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The range includes Tiffany and moulded shades, stained glass windows, traditional and low energy fittings in brass, antique and verdigris finishes for a variety of uses. We also make fittings to order, refurbish your existing fittings and convert to low energy if required.

A B C D E F G I J O

Boone Systems Ltd Unit 3, The Old Sawmills, Pluckley Road, Bethersden, Kent TN26 3DD. Tel: 0233 820669 Fax: 0233 820501

Britannia Pottery Co Ltd Vulcan Works, Canal Street, Longport, Stoke-on-Trent ST6 4LU. Tel: 0782 838739

The British Crystal Ltg Co Ltd 17 Premier Partnership Estate, The Leys, Brierley Hill DY5 3UP. Tel: 0384 73143 Fax: 0384 74506

BSB-Orion Ltd Raven Street Works, Queens Road, Halifax, West Yorks HX1 4NB. Tel: 0422 356356 Fax: 0422 341230

BSL Contract Lighting Ltd The Forge, High Street, North Marston MK18 3PD. Tel: 0296 67422 Fax: 0296 67448

C B Exclusive Via Di S Quirico 31 Int, I-50142 Firenze, Italy. Tel: 010 39 557 17 280 Fax: 010 39 557 17 280

C B Lighting Co 8 Victoria Street, Bristol, Avon BS1 6BN. Tel: 0272 262361 (see page 35)

Buchanan Lighting Services

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A B C D E F G H I J K M N O

C. A. Lighting Ltd



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Telephone: 0865 243188 Fax: 0865 790583

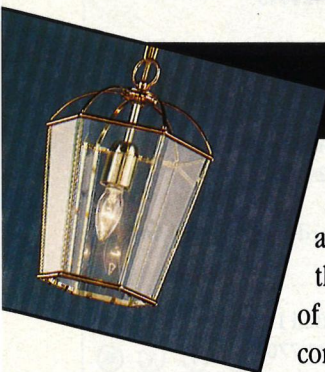
C A Lighting design and manufacture a wide range of decorative lighting, sourcing product and components from around the world, including India, China, Europe and UK. Employing over 60 personnel directly at Oxford, or emphasis is on quality, value and service. We service the major national and independent retail sector and mail order customers. We offer a full colour catalogue and nationwide representation and delivery service.

A B C D E F G I J N O

PRODUCT CODING

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It's the Micromark 'extras' that make our fittings work

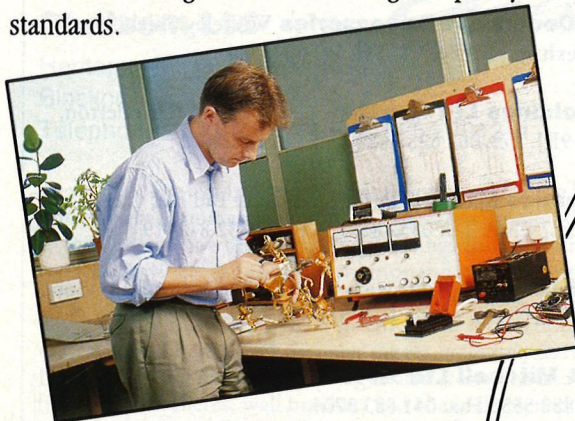


It takes more than just pieces of metal and glass to make a light fitting. As the exploded drawing shows, scores of different parts and electrical components are required to make the luminaire look right and work properly.

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For example, you can be assured that Micromark products are safe! We're not only a long-time member of the Lighting Association's "Code of Practice Scheme", but we go far beyond its minimum requirements. Every fitting is tested and certified. Factory production runs are 100% tested, followed by two separate batch tests, the last in Micromark's own in-house test lab, ensuring that each fitting meets our stringent quality standards.



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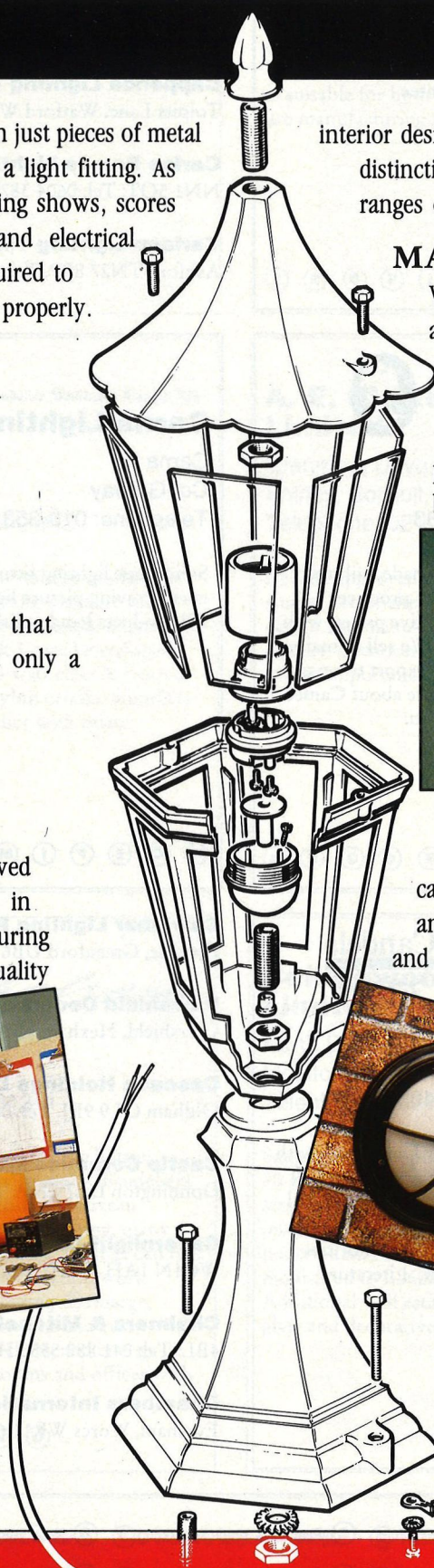
Our fittings are packaged in sturdy modular cartons or clampacks... convenient to store and great for retail display! Full-colour labels and descriptive text help sell the product for you.

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We operate a nationwide fixed price specialist service from full assembly or sub assembly to simple wiring of all types of luminaire. Production is 100% tested to LA code of Practice ensuring full traceability, emphasis is placed on quality and as we do not supply luminaires ourselves we can guarantee confidentiality.



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Tel: 031 558 3569 Fax: 031 558 3596

Candlejas 40 Princes Street, Perth, Tayside PH2 8LJ.
Tel: 0738 35304 Fax: 0738 35304

Candlelight Products Ltd 3/4 Parkhouse Lane, Tinsley, Sheffield S9 1XA. Tel: 0742 447515 Fax: 0742 421943

L J Cannell & Co Ltd Units A & B, 15 Wintersells Road, Byfleet, Surrey KT14 7LF. Tel: 0932 336491 Fax: 0932 336491

Cappenda Lighting Unit D2 West Watford Business Centre, Tolpits Lane, Watford WD1 8NN. Tel: 0923 242205

Carlos Remes Lighting Co 2/10 Thenford Street, Northampton NN1 5QT. Tel: 0604 38724 Fax: 0604 27230

Carlsen Lighting The Old Cider Works, Bell Lane, Smarden, Ashford TN27 8PP. Tel: 0233 770711 Fax: 0233 770738

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Cameo Shades specialises in manufacturing hand made, tailored lampshades. Our production methods enable us to produce lampshades of the highest quality, at very competitive prices, with designs that continually out perform the market. We sell to major distributors and retailers throughout the UK and export to several European markets. If you would like to know more about Cameo or its products, we will be pleased to hear from you.



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Solid brass lighting fittings, floor standards, table lamps, brass, energy saving picture lights and mirror lights.
All products hand polished and dip lacquered



Candela Traditional Lighting Ltd

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Carrshield Decorative Accessories Whiteley Shield, Carrshield, Hexham NE47 8AB. Tel: 0434 345344

Cascade Holdings Ltd Gorse Mill, Gorse Street, Chadderton, Oldham OL9 9RJ. Tel: 061 628 6622 Fax: 061 628 2831

Castle Ceramics Sycamore Park, Trent Lane Ind Est, Castle Donnington DE7 2NP. Tel: 0332 850344 Fax: 0332 812419

Cavernlight Ltd 49/53 Brunswick Centre, Bloomsbury, London WC1N 1AH. Tel: 071 278 3161 Fax: 071 833 4344

Chalmers & Mitchell Ltd 388 Hillington Road, Glasgow G52 4BL. Tel: 041 882 5555 Fax: 041 883 3704

Chambers International Ltd Orchard Court, Wickhamford, Evesham, Worcs WR11 6RP. Tel: 0386 833773 Fax: 0386 833776

PRODUCT CODING

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| (A) Outdoor Lights | (B) Chandeliers & multi arm fittings | (C) Pendant & single light fittings | (D) Flush fittings | (E) Floor lamps |
| (F) Wall brackets | (G) Spotlights | (H) Child appeal lighting | (I) Table lamps | (J) Lampshades |
| (K) Novelty & effects lighting | (L) Lighting controls | (M) Dec. fluorescent fittings | (N) Security lighting | (O) Low voltage lighting |

Chad Lighting Ltd

8a James Road
Tyseley, Birmingham B11 2BA
Telephone: 021-707 7629 Fax: 021-707 9431

Chad Lighting use in-house and freelance designers to produce an attractive range of modern decorative luminaires. Various woods, metal finishes and glass combine to create uplighters, table lamps, and wall lights of appealing quality and style.

(E) (F) (I) (J)

Classic Reproductions

Unit 16, The Highams Lodge Business Centre
Blackhorse Lane, London E17 68H
Telephone: 081-531 8627 Fax: 081-531 6056

Classic Reproductions specialise in the manufacture of replica Victorian & Edwardian luminaires. A comprehensive range is available covering the period from 1830-1910. Manufactured by hand to give absolute authenticity. The range of lighting produced is suitable for both domestic & contract installations. All products are manufacturing to DLA code of practice.

(A) (B) (C) (F) (I)

Chandelier Specialist Lamps Ltd

Chandelier Specialist Lamps Ltd

Gypsy Mead, Fyfield
Essex CM5 0RB
Telephone: 0277 899 444 Fax: 0277 899 642

Manufacturers & suppliers of extruded nylon candles available in 18cm & 25cm with 10mm screw base, E10 fitting together with safety restraint cord. Our lamps complement the candle & are available in E10 240 volt 15 & 25 watt clear & frosted envelopes also available in 110 volt E10 fittings 15 & 25 watt clear & frosted envelopes. To be used in conjunction with nylon candle. Suppliers to leading London Hotels, Institutions together with many prestigious locations.

(B)

A. E. Clutterbuck Limited

Cranmore Drive, Shirley Trading Estate
Shirley, Solihull, West Midlands B90 4PG
Telephone: 021-704 3134 Fax: 021-704 3421

BS5750 approved manufacturer of lighting to the major UK retail stores. Established 1947 and now with considerable expertise in the design and manufacture of traditional lighting for the home market: attention to quality and the necessary safety standards of prime importance.

(A) (B) (C) (D) (E) (F) (I)

Chelsom Ltd

Heritage House, Clifton Road
Blackpool, Lancs FY4 4OA
Telephone: 0253 791344 Fax: 0253 791341

New catalogue available with lighting solutions for the house, hotels, pubs, commercial buildings and stately homes. Chandeliers to low voltage downlighters, crystal fittings to Art Nouveau replicas, low energy fittings to exterior and street lighting, many ranges available in up to 13 different metal finishes. Fittings can be designed and manufactured to specification; restoration work undertaken. There are 14 designer ranges including Carmarge, Dordogne and Provence featuring beaten ironwork and rust finishes in torcheres, wall brackets and chandeliers; and energy-efficient corporate lighting for banks, boardrooms and offices with matching task lighting.

(A) (B) (C) (D) (E) (F) (G) (I) (J) (M) (N) (O)

Collingwood-VLM Limited

North Drive, Deer Park Road
Moulton Park, Northampton NN3 1NP
Telephone: 0604 495151 Fax: 0604 495095

Suppliers of components to the luminaire industry for more than 30 years. Stock products include lampholders, switches, plugs, cord sets, cable. Products manufactured to national, european and international specifications. Special sourcing commissions undertaken. Pre-assembly work undertaken. Quality control monitored to BS6001 and BS5750 procedures. Additional well established agencies are operated in the fields of glass and decorative brass components.

PRODUCT CODING

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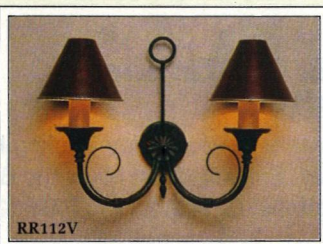
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HAND MADE ORIGINAL LIGHTING OF OUTSTANDING VISUAL PRESENCE
 DESIGNED AND MADE IN ENGLAND



RR119BG



RR111BG



RR112V

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 TELEPHONE: (0483) 272744 FAX (0483) 267863

Reader Service No. 309

FOOTBALL LAMPSHADES



These Football Lampshades come ready assembled and are available in any team colours. They make an attractive and novel decoration which can be used either as a ceiling light or as a table lamp.

Display one or two of these shades in your shop window and you'll achieve a steady stream of sales.

Telephone us for further details

- ❖ Ready assembled
- ❖ Self assembly still available
- ❖ Supplied in any team colours
- ❖ Will take up to a maximum of 60 Watts
- ❖ Colour co-ordinated bases with leads now available.

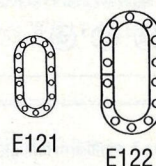
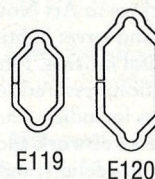
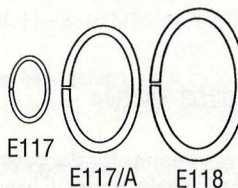
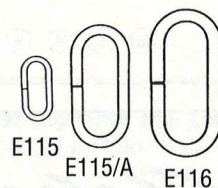
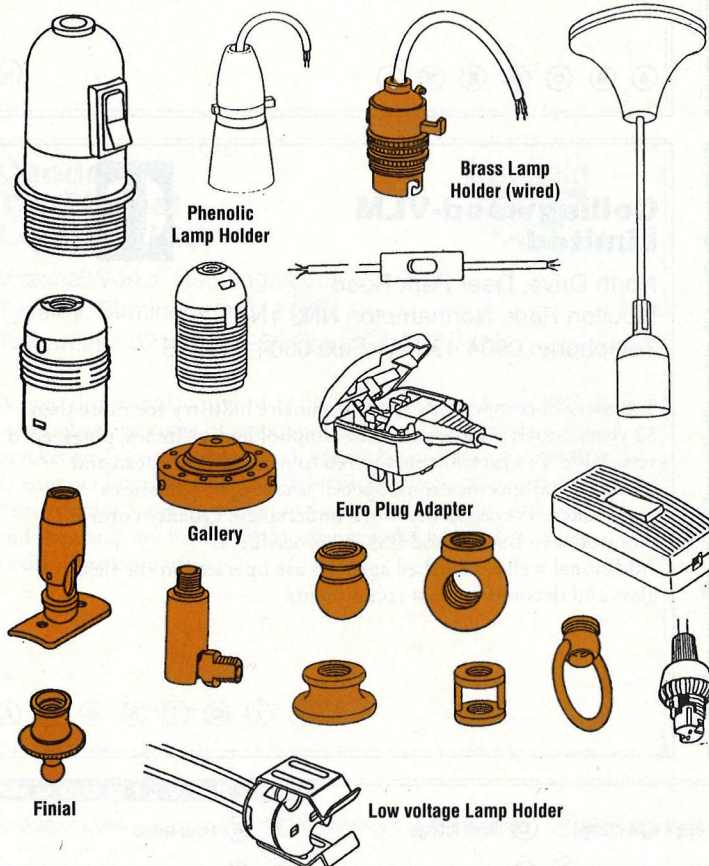
Enlite

UNIT 16
PETERSFIELD BUSINESS PARK
 BEDFORD ROAD
 PETERSFIELD, HAMPSHIRE

Telephone: 0730 266566 Fax: 0730 266565

Reader Service No. 310

CHAIN AND CHAIN SETS



**Unit 1A,
 Bill House,
 222 Soho Hil
 (Off Villa Road),
 Hockley,
 Birmingham
 B19 1AP,
 Tel: 021 554 9924,
 Fax: 021 554 5243**

Chandelier Specialist Lamps Gypsy Mead, Fyfield, Essex
CM5 0RB. Tel: 0277 899444 Fax: 0277 899642

Christopher Wrays Con Ltd 600 Kings Road, London SW6
2DX. Tel: 071 736 8434 Fax: 071 731 3507

Clive Rowland (Lighting) The Studio, 4A Hyde Park Place,
London W2 2LH. Tel: 071 723 4093 Fax: 071 723 1807

Cochrane International Ltd 9 Ives Street, London SW3 2ND.
Tel: 071 584 9345 Fax: 071 584 6107

R C Collin (Lighting) Ltd Unit 3, Buckley Road, Rochdale OL12
9EF. Tel: 0706 41245 Fax: 0706 33128

Country & Eastern Ltd 8 Redwell Street, Norwich NR2 4SN.
Tel: 0603 623107 Fax: 0603 458108

County Shades Ltd 3 Wyvern Ind Est, Beverley Way, New
Malden KT3 4PH. Tel: 081 949 8888 Fax: 081 942 0937

Crestworth Trading Limited



Sterte Ave, Poole
Dorset BH15 2BD
Telephone: 0202 676633 Fax: 0202 669440

Inventors and original manufacturers of the 'LAVA-LAMP'. Fibre
optic lamps and other outrageous and wonderful lamps also
produced. Please contact us for full details.

(I) (K)

Contessa Furnishings (London) Ltd

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a world of elegant lighting

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Kangley Bridge Road, London SE26 5BA
Telephone: 081-778 9166 Fax: 081-659 9527

Traditional decorative lighting in brass with a variety of different
finishes, gold plated, silver plated, verdigris, bronze.

(B) (C) (D) (E) (F) (I) (J)

DAR Lighting Ltd



Wildmere Industrial Estate
Banbury, Oxon OX16 7JZ
Telephone: 0295 259391 Fax: 0295 271743

Designer and manufacturer of quality lighting for the home.
Ranges include wall brackets, ceiling fittings, table lamps, shades,
floorlamps and outdoor fittings. Products are made to the highest
quality control standards in our large modern factory. New ranges
are always available.

(A) (B) (C) (D) (E) (F) (G) (I) (J) (O)

Countryside Lighting Ltd 89 Cavendish Road, Highams Park,
London E4 9NG. Tel: 081 531 2071 Fax: 081 531 2071

Creative Tableware P O Box 10, Stoke on Trent, Staffs ST1
3LN. Tel: 0782 202123 Fax: 0782 271189

Cresswell Lighting Ltd York Way, Royston, Herts SG8 5HJ.
Tel: 0763 241166 Fax: 0763 248538

Crownminster Ltd 67 Higher Lane, Whitefield, Manchester M25
7EZ. Tel: 061 766 2855 Fax: 061 766 1023

Crystal Designs of Tipperary Ltd Ballynoran Carrick-on-Suir,
Co Tipperary, Irish Republic. Tel: 010 353 51 41188
Fax: 010 353 51 41190

Daveen Mfg Co Ltd Unit 16 Fleetway West Business Park,
Wadsworth Road, Perivale, Middx UB6 7JD. Tel: 081 997 7200
Fax: 081 997 0329

David Hunt Lighting Ltd Tilemans Lane, Shipston on Stour,
Warks CV36 4HP. Tel: 0608 661 590 Fax: 0608 662951

David Malik & Son Ltd 5 Metro Centre, Britannia Way, Park
Royal, London NW10 7PR. Tel: 081 965 4232 Fax: 081 965 2401

Dayclear Lighting Ltd 85A Cromford Road, Langley Mill,
Derbys NG16 4DP. Tel: 0773 763787

Dee Cee Lighting Ltd 5A St Francis Way, Shefford Ind Park,
Shefford, Beds SG17 5DZ. Tel: 0462 816321 Fax: 0462 815548

Deknudd Lighting Ltd Stationsstraat 63, B8540 Deerlijk, Belgium.
Tel: 010 32 5 671 3791 Fax: 010 32 5 671 3178

Denby Pottery Co Ltd - Ltg Div Denby, Derby DE5 8NX. Tel:
0773 743 641 Fax: 0773 570 211

Dencon Accessories Ltd Lyden House, 191 Balaam Street,
London E13 8AA. Tel: 081 471 3411 Fax: 081 552 3857

PRODUCT CODING

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list of members

Deta (Electrical) Co Ltd Deta House, London Road, Markyate, St Albans AL3 8NR. Tel: 0582 842323 Fax: 0582 842352

Dialsa AVDA Ferrocarriles Catalanes S/N, 08940 La Almeda Cornella, Barcelona, Spain. Tel: 010 343 377 8411 Fax: 010 343 377 8553

Dorval Lighting Ltd 36/36C Newhaven Road, Elizafield, Edinburgh EH6 5PY. Tel: 031 554 8950 Fax: 031 553 7417

Down Street Electrics Ltd 261 New Kings Road, London SW6 4RB. Tel: 071 736 7521 Fax: 071 731 8463

Elstead Lighting Ltd Mill Lane, Alton, Hants GU34 2QG. Tel: 0420 82377 Fax: 0420 89261

Encon Industries 2 Anglesey Business Park, Littleworth Road, Hednesford, Cannock WS12 5NR. Tel: 0543 425253 Fax: 0543 422476

English County Pottery Ltd Station Road, Wickwar, Wotton under Edge, GL12 8NB. Tel: 0454 299100 Fax: 0454 294053

Enlite Unit 16 Petersfield Business Park, Bedford Road, Petersfield, Hants GU32 3LJ. Tel: 0730 266566 Fax: 0730 266565

Eterna Lighting Ltd Emily Place, Queensland Road, London N7 7DQ. Tel: 071 609 9011 Fax: 071 609 9337

Fantasia Ceiling Fans Ltd 5 Station Square, Petts Wood, Kent BR5 1LY. Tel: 0689 874 044 Fax: 0689 833713

Fantastic Lighting Ltd 4 Kennet Road, Crayford, Kent DA1 4QN. Tel: 0322 558649 Fax: 0322 521117

Firstlight Products Ltd 22 Erica Road, Stacey Bushes, Milton Keynes MK12 6HS. Tel: 0908 310221 Fax: 0908 310229

Flairlite Lampshades Ltd 27-29 Leadhall Lane, Harrogate, North Yorks HG2 9NJ. Tel: 0423 872051 Fax: 0423 871487

Florence Srl Zona Industriale 'Il Piano', Casole D'Elsa (Siena) Italy 53031. Tel: 010 39 577 94 85 98 Fax: 010 39 577 94 86 38

Eastgate Potteries Ltd

Queen Street, Withernsea
N. Humberside HU19 2HB
Telephone: 0964 612550 Fax: 0964 613379



We manufacture all types of Ceramic Table Lamp Bases, ranging from plain glazed pieces to heavily decorated bases with Gold Lines. We can manufacture pieces to the customers own design and can incorporate our own exclusive finishes.

Our maximum production is 11,000 units per week.

We can supply either base only, base and Switched Lamp Holder or, the complete item including shade and plug. All of which are fully tested.

Our Table Lamp Bases are in all of the major stores, multiples and catalogues.

(H) (I)

Fancy Metal Goods Ltd

12 Commercial Street
Birmingham B1 1RS
Telephone: 021-643 7399 Fax: 021-643 1935

Famego

We specialise in the manufacture of matching lighting themes for the home, hotels, restaurants and pubs. Able to work to customers' specifications. Our finishes include brass, antique nickel, antique copper, antique brass, white enamel and gun metal black. Catalogues available on request. Agents can call.

(B) (D) (E) (F) (I)

Electro-Replacement Ltd

1 Moor Park Industrial Centre
Tolpits Lane, Watford, Herts WD1 8SP
Telephone: 0923 255344 Fax: 0923 255829



Electro-Replacement Ltd, distributors to electrical and lighting wholesalers, offer a wide range of lighting/low voltage lighting products which include: picture lights, ceiling light fittings, desk lights, illuminated magnifier lamp, striplight fittings (modular & fluorescent), security lighting, infrared motion detectors (IP65 rating), photo electric cells (thermal & electronic), Christmas lights, tree/garden/patio decorative lights, Lindner globe lamps, Toroidal transformers, universal discharge lighting ignitor, downlight adaptor, low voltage lighting cable and pvc light flexible cord (2192Y).

(A) (G) (I) (L) (M) (N) (O)

Fitzgerald Lighting Ltd

Normandy Way
Bodmin, Cornwall PL31 1HH
Telephone: 0208 75611 Fax: 0208 74893



A comprehensive product range including:
Lightpack • Controllers • Reflectors • Ballast Trays • Undershelf Lights • Slimline Lightpack • Miniature Lightpack • Weatherpack • Flameproof • Compact Fluorescent • Circular Fluorescent • Bulkheads • Emergency Lighting • Floodlighting • Amenity Lighting • Garden Lighting • Recessed Luminaire • Cat 2 Louvres • Surface Modular • Low Bay • Hi Bay • Industrial Low Bay • Display Lighting • Lamps • Ballasts • Energy Management System.

(L) (M) (N)

PRODUCT CODING

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Florence (UK) Ltd Unit 8 Bromyard Road Trading Estate,
Ledbury, Herefordshire HR8 1NS. Tel: 0531 635009.
Fax: 0531 635775

Florida Furnishings Station Road, Lenzie, Glasgow G66 4UA.
Tel: 041 776 1050 Fax: 041 777 6524

Flos Ltd Sandbeck Way, Wetherby, Leeds LS22 4DN. Tel: 0977
685101 Fax: 0977 685223

Flox Manufacturing (Lightworks) Ltd The Old Piggery, Diss
Business Centre, Frenze, Scole, Diss, Norfolk. Tel: 0379 650707
Fax: 0379 650692

Forma Lighting Ltd Unit 310, Business Design Centre, 52 Upper
Street, London N1. Tel: 071 288 6025 Fax: 071 288 6057

Fowler Pottery 20 Mossbury Road, London SW11 2PB.
Tel: 071 228 7551 Fax: 071 228 7551

J Fryer Ltd Old Court Pottery, Roundwell Street, Tunstall, Stoke
on Trent ST6 5AN. Tel: 0782 838232 Fax: 0782 835608



GE Lighting

Miles Road
Mitcham, Surrey CR4 3YX
Telephone: 081-640 1221 Fax: 081-685 9625

GE Lighting is the largest UK manufacturer of a complete range of lamps for the domestic and commercial markets. In the consumer sector, our Mazda brand offers a unique retail lighting solution. From merchandisers, packaging and promotions to POS leaflets and consumer PR, Mazda will ensure retailers maximise their premium lamp sales. That is why Mazda has become fully established as the UK's No 1 brand for both consumer and retailer.

Franklite Limited

Snowdon Drive, Winterhill
Milton Keynes MK6 1AJ
Telephone: 0908 691818
Fax: 0908 691939



Franklite are a leading manufacturer of decorative light fittings, table lamps and standard lamps. These are supplied for commercial and domestic purposes.

Franklite also specialises in supplying low energy lighting extensively for the hotel and contract market. The range is illustrated in their 145 page colour catalogue, available on request. They are also the United Kingdom distributors for 'Le Dauphin' of France who are Europe's leading manufacturer of table lamps and floor standards.

A B C D E F G H I J O

George Wood (Woodworkers) Ltd

Laundry Street
Pendleton, Salford
Telephone: 061-736 6855 Fax: 061-745 9544

Established over 125 years George Wood (Woodworkers) has developed into a leader in the field of wooden lighting. We specialise in the manufacture of wood floor standard lamps and table lamps, we also produce plinths and turned wood components for the trade. We have a comprehensive range of wood finishes and colours that can be professionally matched to your own lampshade fabric, table lamps can be produced to your own design and may feature, twists, flutes, candles, special hand finishes, liming, gold rings etc.

E I

G. B. Lighting Ltd

Marco Works, Pembroke Road
Bromley, Kent BR1 2RY
Telephone: 081-460 3481 Fax: 081-460 0806

G.B. Lighting Ltd.

Table lamps and lampshade manufacturers of the highest quality. New designs are continually introduced and information is always available from our office. Please ask for a catalogue.

I J



Gibson Lighting

Arran House, Arran Road
North Muirton, Perth, Scotland PH1 3DZ
Telephone: 0738 39811 Fax: 0738 39612

Gibson Lighting sources decorative lighting from all over the world. Our product range includes chandeliers, wall lights, flush ceiling fittings, glass and acrylic shades, table lamps, lanterns and ceiling fans. These quality fittings all comply to BSI requirements, and feature largely in the major DIY multiples, independent lighting outlets and several mail order catalogues. We can guarantee delivery in mainland UK within 3 working days, and in addition we offer computerised planograms depicting in-store presentation and product layout, store merchandising and after sales support to maximise your return on our products.

A B C D F I J

PRODUCT CODING

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|------------------------------|------------------------------------|-----------------------------------|---------------------|------------------------|
| A Outdoor Lights | B Chandeliers & multi arm fittings | C Pendant & single light fittings | D Flush fittings | E Floor lamps |
| F Wall brackets | G Spotlights | H Child appeal lighting | I Table lamps | J Lampshades |
| K Novelty & effects lighting | L Lighting controls | M Dec. fluorescent fittings | N Security lighting | O Low voltage lighting |

Glow Ball Lighting Limited

103, Chingford Mount Road
Chingford, London E4 8LU
Telephone: 081-531 4446 Fax: 081-531 8753

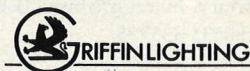


Glow Ball Lighting Limited (GBL) are distributors of all lighting products specialising in lamps and standard light fittings, GBL have a showroom and sales office in London, but have clients based all over the U.K. as well as established customers in Europe, The Far East and The U.S.A.

GBL are able to produce light fittings to our clients own specifications, undertaking projects of any size. GBL's clients range from national wholesalers, electrical contractors, architects, design groups, consultant engineers, local authorities and selected end users. GBL supply low voltage lighting to fibre optics, fluorescent modules to high/low bay fitting, security lighting to interior decor (chandeliers and every lamp type available).

Griffin Lighting

19 Harrow Road, Leighton Buzzard
Beds LU7 8UF
Telephone: 0525 376305 Fax: 0525 372136



Looking for quality floor spots? We can offer the best on the market with flex arm or telescopic. Our range also includes PL desk lamps, outside lanterns and bridge lamps

(A) (C) (E) (I) (O)

Golden Peacock Overseas PVT Limited

3E/2 Jhandewalan Extension
New Delhi - 110 055 (India)
Telephone: (011)7521190/91/92 Fax: (011) 3717676



Leading manufacturers and exporters of lighting accessories from India. Our range covering B-22 lampholders, brass turned and casted parts, swivels, low voltage transformers, light fittings, silk shades and materials. Specialised in precision brass turnings. Mostly supplied as per customers design.

(B) (D) (E) (F) (I) (J)

Furniture Industry Research Assoc Maxwell Road,
Stevenage, Herts SG1 2EW. Tel: 0438 313433 Fax: 0438 727607

Gala Light 5 Minerva Road, Park Royal, London NW10 6HJ.
Tel: 081 965 7386 Fax: 081 453 0737

Global Village Crafts Ltd Sparrow Works, Bowerhinton,
Martock, Somerset TA12 6LF. Tel: 0935 823390 Fax: 0935 823675

Gold Crest Lampshades Ltd 61-63 Upton Lane, Forest Gate,
London E7 9PB. Tel: 081 472 0166 Fax: 081 470 0898

J A Green & Sons Ltd 14 Deanshanger Road, Wicken, Milton
Keynes MK19 6BS. Tel: 0908 57215 Fax: 0908 57206

Gregory's Ltd 119 Gregson Lane, Hoghton, Preston PR5 0LB.
Tel: 0772 313799 Fax: 0772 628185

H L S Ltd Clayfields Road, Ticknill Road, Balby, Doncaster DN4
8QG. Tel: 0302 855991 Fax: 0302 310280

Goodson Lighting Ltd

Church Lane
Hixton, Stafford ST18 0PS
Telephone: 0889 270161 Fax: 0889 271236

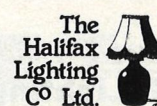


The company produces hard, round and panelled shades, soft shades and pottery table lamps – all made on the premises. We can boast the only European licence for a Japanese photo-decoration process which allows irregular shapes such as table lamps to be finished in exact simulation of marble, onyx, wood etc. In the pottery a vitreous body is used which gives the lamps exceptional strength for safety and resistance to breakage. The majority of our output goes to four large chains who between them dominate much of the UK market. We also undertake a variety of contract work.

(C) (D) (E) (H) (I) (J)

The Halifax Lighting Co Ltd

6 Akroyd Place, Halifax
West Yorkshire HX1 1YH
Telephone: 0422 330061 Fax: 0422 347002



Manufacturers of hard and soft shades, assemblers of table lamp bases, suppliers of economy and better quality fittings, lampshade manufacturing facility using customers own fabric. 3,000 sq foot cash & carry facility. Small or large quantities catered for.

(B) (C) (F) (H) (I) (J)

PRODUCT CODING

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* Reaches more lighting specifiers than any other magazine

* Cover all aspects of lighting for the commercial, industrial, public, decorative and contact markets

* Devoted exclusively to the lighting business for over 25 years

LIGHTING EQUIPMENT NEWS

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Tel: 081-975 9759 Fax: 081-441 1361

NEPTUNE SHADES



TEL: 0304 362397
FAX: 0304 381635

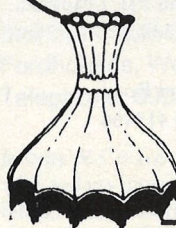
FULL COLOUR CATALOGUE



- SOFT SHADES • PLEATED SHADES
- PANELLED SHADES • HARD SHADES

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AND
VAST COMBINATION OF TRIMS
FROM
BRAIDS TO BEADS

WE SPECIALISE IN SERVICE TO THE
INDEPENDENT RETAILER



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TEL: (0225) 707079

FAX: (0225) 707926

Soft fabric shades, lined and unlined

Pleated shades in silk and satin

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Shades can be made to customers own design

Will cover shades using customers own materials

**FULL COLOUR
CATALOGUE AVAILABLE**

We have now introduced a range of top quality bases and
wooden standard lamps

We supply Retailers, Wholesalers, Interior Designers,
Hotels and Public Houses.

We welcome all enquiries.



HISTORY REPEATS ITSELF



Our accurate replicas of Victorian lighting are in great demand today, to give that authentic finishing touch to homes, hotels, pubs and restaurants.

The Sara pendant illustrated – available with matching wall bracket – is just one item in our extensive range of solid brass Victorian and Georgian period lights, for indoor and outdoor use.

We will be delighted to send to you our illustrated brochure by post on request.

Classic Reproductions

HIGHAMS LODGE BUSINESS CENTRE
Blackhorse Lane, Walthamstow, London E17 6SH Tel: 081-531 8627 Fax: 081-531 6056

Hamilton Group

Hamilton
group

Quarry Industrial Estate
Mere, Wiltshire BA12 6LA
Telephone: 0747 860088 Fax: 0747 861032

Hamilton Group Mercury systems are a range of sturdy, hard fired remote dimming units suitable for handling higher loadings. They are well engineered and reliable, tested over many years with many thousands in use. Mercury Systems are well designed without gimmicks and use only time served technology. Saturn Controls offer a very wide choice of controller, including: Rotary, Slider, Momentary and Touch switches, as well as Preset Push, or the latest Digital Scene Setting Controller. Hamilton Group also supply a range of continuous tubelight systems in a choice of four profiles. Tubelight is a modular and versatile system suitable for commercial applications.

(L) (M) (O)

H M S Lighting 18-26 Queen Street, Leicester LE1 1QR.
Tel: 0533 514851 Fax: 0533 624563

Hadrian International Ltd Unit 6 Leadgate Ind Est, Leadgate,
Consett DH8 7RN. Tel: 0207 590044 Fax: 0207 581348

Hannah Lampshades Ltd Unit 1 Hastingwood Road,
Hastingwood, Harlow, Essex CM17 9JQ. Tel: 0279 413466
Fax: 0279 419419

Harry Cowan (Elec) Ltd 15 Broughton Street, Manchester M8
8LZ. Tel: 061 832 7584 Fax: 061 834 7854

Hartline Products Dicken House, Orchard Lane, Harrold,
Bedford MK43 7BX. Tel: 0234 720991 Fax: 0234 721451

Helen Thomas Ltd Battle House, School Lane, Naseby,
Northants NN6 7BZ. Tel: 0604 740017 Fax: 0604 740708

Helix Lighting Ltd Wellingborough Road, Rushden, Northants
NN10 9AH. Tel: 0933 318522 Fax: 0933 318663

Hylec Elettro Gibi (UK) Ltd



Unit 4, Trinity Centre, Park Farm Industrial Estate
Wellingborough, Northants NN8 6ZB
Telephone: 0933 677633 Fax: 0933 675771

As exclusive UK agents and stockists for several European manufacturers, we offer a comprehensive range of high quality, approved products for lighting. From Knobel, Switzerland – high frequency constant/dimmable ballasts and controls, semi-electronic ballasts, laminated transformers and daylight/presence dependant detectors. From Elettro Gibi, Italy – terminal blocks and connectors. From Jacob, Germany – IP54-IP68 cable glands. From Icar, Italy – BS and VDE approved plastic/aluminium can capacitors. In addition we offer low voltage electronic transformers, ceramic and porcelain lampholders, 1000's of small moulded components.

(L) (O)

iGuzzini Illuminazione (UK) Limited

iGuzzini

Unit 3, Mitcham Industrial Estate,
85 Streatham Road, Mitcham, Surrey CR4 2AP
Telephone: 081-646 4141 Fax: 081-640 6910

In addition to France, Germany and Spain, iGuzzini have established a subsidiary in the UK concentrating on the specification market, differentiating themselves by their design services offered. The services include computerised lumen packages and more importantly the unique Macintosh system where photographic simulation is achieved in both day and night format giving an actual view of the intended illumination. The product range covers linear systems, mains and low voltage downlighters, indirect fluorescent systems, external luminaires including cut-off lanterns to combat light pollution, fibre optics, uplighters, etc. The wide range of products enables one to illuminate all aspects of a project.

(A) (E) (F) (G) (I) (M) (N) (O)

Impex (Glassware) Ltd



Impex House, 8 Scrubs Lane
London NW10 6QR
Telephone: 081-969 6496 Fax: 081-960 5337

We are old established leading manufacturers and distributors of most types of Decorative Lighting for virtually every Domestic and Commercial situation. With the widest range of product falling within each of the product groups specified we can supply virtually every Trade Outlet with most of their lighting requirements. For one stop sourcing you can do no better than stopping at Impex.

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O)

Homeguard UK Ltd High March, Long March Industrial Estate,
Daventry, Northants NN11 4HB. Tel: 0327 78874 Fax: 0327 300236

Horrocks Shades Ltd 4B Rhiw Road, Colwyn Bay, Clwyd
LL28 4TP. Tel: 0492 533105 Fax: 0492 534888

E & E M Hughes Mochdre Industrial Estate, Colwyn Bay, Clwyd
LL28 5HA. Tel: 0492 547789 Fax: 0492 547789

I M I Reeves Holdford Road, Witton, Birmingham B6 7ES.
Tel: 021 356 7369 Fax: 021 356 7987

Iberian Lighting Ltd Drury Lane, Hastings, East Sussex TN34
1XP Tel: 0424 428161 Fax: 0424 718405

Illuminotechnica Editrice Habitat Via M Marchesi de
Taddei, 3, 20146 Milano, Italy. Tel: 010 392 481 4800
Fax: 010 392 481 93013

Illuma Lighting Ltd 24-32 Riverside Way, Uxbridge, Middx UB8
2YF. Tel: 0895 272275 Fax: 0895 270024

PRODUCT CODING

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| (K) Novelty & effects lighting | (L) Lighting controls | (M) Dec. fluorescent fittings | (N) Security lighting | (O) Low voltage lighting |

Import Development Ltd



Unit 2, Rowntree Road
Twickenham TW2 6RF
Telephone: 081-755 0066 Fax: 081-898 2126

Import Development has a vast range of traditional Chinese table lamps, including seven different ranges of cloisonneware, a comprehensive range of openwork porcelain, many different types of blue and white reproduction antique porcelain, Fujian black laquer lamps and a good selection of Czechoslovakian chandeliers.

(B) (I) (J)

Ipris International Ltd

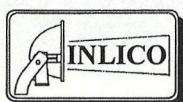


Ipris House, Pendle Street,
Barrowford, Lancs BB9 8PH
Telephone: 0282 697777 Fax: 0282 699929

Manufacturers, importers and distributors of decorative lighting, soft furnishings and wallcoverings

(A) (B) (C) (D) (E) (F) (G) (H) (I) (J)

Industrial Lighting Components Ltd



Unit 1, 5-7 South Road
Hockley, Birmingham B18 5LT
Telephone: 021-554 6439 Fax: 021-554 3857

INLICO are major importers, distributors and manufacturers of components to the decorative lighting industry. All components are available ex-stock. Delivery is free nationwide. Our range includes lampholders, cable, terminal strip & crimp connectors, wired lampholders, cable cut to size, inline cord & dimmer switches, push & pull switches, grommets, cord grips, silicone sleeving, wiring instructions tape, maximum wattage labels, lock nuts, grip washers, allthread, couplers, finials, screw fixing packs, arms & bends, chain, knuckle joints, loops & rings, spring clips, brass balls, and much, much more.

Jeremy & Co Lampshades Ltd

Stafford Court, Stafford Road
Fordhouses, Wolverhampton WV10 7EL
Telephone: 0902 397201 Fax: 0902 397202

Jeremy & Co are manufacturers of fine quality made lampshades with today's interiors in mind, our fabric range of both floral fabrics and plain fabrics are chosen from some of the finest ranges of material available today. We are able to select from a very wide range of trimmings to match or colour co-ordinate with the designs. Whether the choice is ours or yours, we are very flexible on design and are able to cater for individuals, multiple outlets and export customers, at the same time retaining our excellent quality and service.

(C) (I) (J)

Interiors 1900



54-56 Mill Place
Kingston-upon-Thames, Surrey KT1 2RL
Telephone: 081-546 6234 Fax: 081-549 2102

Interiors 1900 are specialists in period style lighting. Products include art nouveau and art deco figurine lamps, tiffany lighting, art glass lamps and antique style brass, verdigris and bronze table lamps and pendants. Halogen lights in traditional style have recently been added to the range. New products are continually being sourced from both in the UK and from all over the world. Products can be seen at our showrooms at head office and in Dongen in Southern Holland.

(B) (C) (D) (E) (I)

Interscene Ltd Northfields Industrial Estate, Market Deeping, Peterborough PE6 8LB. Tel: 0778 344647 Fax: 0778 345539

Ismos S P A Via Torino 5, 51011 Borgo A Buggiano, Pistoia, Italy. Tel: 010 39 5 723 2985 Fax: 010 39 5 723 2989

Jackson & King Ltd Old Maltings, East Street, Olney MK46 4DH. Tel: 0234 711 269 Fax: 0234 240313

James Hackett (Ireland) Ltd Ballymount Industrial Estate, Walkinstown, Dublin 12, Republic of Ireland. Tel: 010 353 31 50 0801 Fax: 010 353 31 50 2172

D A Jones Ltd Brinksway House, Stockport Road, Stockport SK3 0HZ. Tel: 061 474 7071 Fax: 061 477 3351

Joseph Brant Ltd Unit 19 Willow Court, Crystal Drive, Smethwick, Warley, West Midlands B66 1RD. Tel: 021 541 2108

K V T Kristall Ltd 46 Horsebrook Lane, Brewwood, Staffs ST19 9EF. Tel: 021 326 6094 Fax: 021 327 2816

PRODUCT CODING

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| (K) Novelty & effects lighting | (L) Lighting controls | (M) Dec. fluorescent fittings | (N) Security lighting | (O) Low voltage lighting |

List of members

Keith de la Plain Ltd Milroy House, 19-21 High Street, Tenterden TN30 6AP. Tel: 05806 5177 Fax: 05806 5200

Kohinoor Lighting Shop 8, 14 Birmingham Road, Dickensonville, Vereeniging 1939, South Africa. Tel: 010 27 16 51 4293 Fax: 010 27 16 51 1429

Konst Smide UK Ltd Yew Tree Farm, Hardstoft, Pilsley, Chesterfield, Derbys S45 8AE. Tel: 0246 852140 Fax: 0246 854297

L & M Lighting Ltd Unit 2 Ayelsbury Business Centre, Chamberlain Road, Aylesbury HP19 3DY. Tel: 0296 392348 Fax: 0296 392360

L R Products 275 Meanwood Road, Leeds, Yorks LS7 2JD. Tel: 0532 454435 Fax: 0532 454435

Laguna Light SRL Via Bosca 1/A, 31050 Badoero, Treviso, Italia. Tel: 010 39 422 739 141 Fax: 010 39 422 739 514

Lamps & Lighting Ltd Lighting House, Lomax Street, Great Harwood, Blackburn BB6 7DJ. Tel: 0254 883300 Fax: 0254 889957

Lampshade Designs 11-2 Sapcote Trading Centre, 374 High Road, London NW10 2SS. Tel: 081 459 0367 Fax: 081 451 7907

Lancraft Ltd Lionel Works, Arthur Road, Hay Mills, Birmingham B25 8HA. Tel: 021 772 8166 Fax: 021 772 8166

Landalls Ltd Harton Street, Deptford, London SE8 4DQ. Tel: 081 692 5127 Fax: 081 469 0332

Langley Lighting Unit 3 Clipstone Brook Ind Park, Cherry Court Way, Leighton Buzzard LU7 8TX. Tel: 0525 850563 Fax: 0525 851623

Laura Stevens Lighting Tunwell Mills, Victoria Road Ind Est, Eccleshill, Bradford BD2 2HE. Tel: 0274 640044

Ledu Ltd Unit 6 Kennet Road, Crayford, Kent DA1 4QN. Tel: 0322 557529 Fax: 0322 559059



Lighting & Electric Components Ltd

Unit 1A, Bill House, 222 Soho Hill, off Villa Road Hockley, Birmingham B19 1AP
Telephone: 021-554 9924 Fax: 021-554 5243

We are one of the largest importers, distributors and manufacturers to the lighting industry.

We carry an extensive range of products including those listed below: Brass phenolic lampholders, allthreads, knuckle joints Brass Balls for arms, Low voltage lampholders, Locknuts, washers (all types). Our range of cables are all to British Standards harmonised. Our skills are to be able to process any type of cable and fit it to any type of lampholder you require. Our new and comprehensive catalogue is now available. Please telephone or fax us your requirements.

WE ARE IN WHEN OUT - MOBILE 0850-292-327



HG Lesser & RF Pavey (Imp) Ltd Unit 20, Dartford Trade Park, Powder Mill Lane, Dartford, Kent DA1 1NX. Tel: 0322 279225 Fax: 0322 279586

Liberty Retail Ltd 210/220 Regent Street, London W1R 6AH. Tel: 071 734 1234 Fax: 071 734 8323

Lighting Import Agents 18A - 20 Baker Street, London W1M 1DE. Tel: 071 935 7336-9 Fax: 071 935 6811

Lightstyle Products Ltd Lumino House, Lovet Road, The Pinnacles, Harlow, Essex CM19. Tel: 0279 453928 Fax: 0279 626101

Lightscene Ltd 'C' House, Riverside Avenue, Lightwater, Surrey GU18 5RU. Tel: 0276 52054 Fax: 0276 52080

Lighting Up Ltd 10 Canal Street, Stockport, Cheshire SK1 3BZ. Tel: 061 480 6262 Fax: 061 480 7205

Litecraft Lighting Seaward Street, Kinning Park, Glasgow G41 1LE Tel: 041 429 2222 Fax: 041 429 5555

LAMPWAYS

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Telephone: 0274 686666 Fax: 0274 651042

Lampways are one of the nations largest independent lamp suppliers. With over 2000 different lamp types in stock in our central warehouse we are able to service the replacement lamp needs of the nations lighting specialists. If you are interested in maximising your margins and would like one of our salespeople to call to explain how the Lampways range of lamps and added value products can contribute to your business growth, then do not hesitate to contact us.



S. Lilley & Son Ltd

80 Alcester Street
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Telephone: 021-622 2385 Fax: 021-666 6148

The only independent UK manufacturer of brass lampholders and accessories for the light fittings industry. The range includes B15, B22, E14 and E27 lampholders, ready wired units, tube spacers and bends, an extensive range of assembly components and wooden lamp bases. Large stocks are maintained to enable prompt delivery and to service customers requirements. The production base also has the capacity to manufacture pressings and tuned parts to customers own specification. All enquiries and orders receive our prompt and personal attention.

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- | | | | | |
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LA BUYER'S GUIDE 93/94

23

**The London Trend
Lighting Co Ltd**

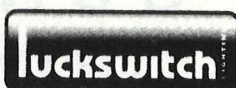
Trend
A SHADE BETTER

3-5 Coxtie Green Road, Pilgrims Hatch
Brentwood, Essex CM14 5PN
Telephone: 0277 374247 Fax: 0277 374949

London Trend Lighting, with 27 years manufacturing experience, offer an extensive range of domestic lighting including pendant shades, table lamps and floor standards. A wide selection of wood and ceramic bases are available and we produce both soft and hard shades. We also offer a make-up service for co-ordinating shades with ranges of bedding etc.

(C) (D) (E) (I) (J)

**Luckswitch
Lighting Limited**



St Columb Industrial Estate
St Columb, Cornwall TR9 6SF
Telephone: 0637 880015 Fax: 0637 881229

Distributors of Fosnova commercial lighting products. Distributors of Disano commercial, industrial and outdoor lighting fittings. Distributors of Grossman mains and low voltage surface mounted lighting fixtures. Manufacturer of circular fluorescent fittings.

(A) (C) (D) (G) (H) (M) (O)

Lui's Collection



Unit 6, Ampthill Business Park, Station Road
Ampthill, Bedfordshire MK45 2QW
Telephone: 0525 840200 Fax: 0525 840777

Recognised in the trade as a well regarded importer, Lui's Collection continues to bring out new ideas, designs and colours each year for their collection of single glaze, crackle glaze and handpainted porcelain table lamps. The Miami Range, an exciting new range of 'Italian style' lampbases, launched at the Light Show are now in stock. Lui's Collection has also expanded on their hand-made silk shades. You can order from stock their wall light silk shades, half shades as well as a range of ivory, oyster and colour silk shades with gold lining. Catalogues are available on request.

(I) (J)

**MDC International
Limited**



Unit 2, Victoria Industrial Estate,
Victoria Road, London W3 6UU
Telephone: 081 992 4641 Fax: 081 993 8539

As Europe's leading lighting materials supplier for over 50 years, MDC has built up an extensive range of complimentary products suitable for both hard and soft shade manufacture and have a number of exciting new fabrics which form the basis of our pleated range of products. Our range of lampshade manufacturing machinery is very extensive.

Loxton Lighting Ltd Daytona House, Carlisle Road, Pudsey,
Leeds LS28 8PL. Tel: 0532 561147 Fax: 0532 393146

Luxo UK Ltd 4 Barmeston Road, Catford, London SE6 2UX.
Tel: 081 698 7238 Fax: 081 698 6134

M & F Products Ltd Wandle Mills, Bridle Path, Beddington,
Croydon CR9 4NP. Tel: 081 688 1645 Fax: 081 688 2948 (see page 35)

M K Electric Shrubbery Road, Edmonton, London N9 0PB.
Tel: 081 803 3355 Fax: 081 803 2759

Maclamp UK Ltd Bell Lane, Studley, Warwickshire B80 7LT. Tel:
0527 854812 Fax: 0527 852998

Maestro Lite Ltd 5 Argall Avenue, London E10 7QD.
Tel: 081 539 0233 Fax: 081 558 2718

M Marcus Limited Unit 7 Blackbrook Ind Estate, Peartree Lane,
Dudley, West Midlands DY2 0XW. Tel: 0384 457900
Fax: 0384 457903

**Mahon Furnishings
Ltd**



Brownhill, Irvinestown
Fermanagh, N. Ireland
Telephone: 03656 21384 Fax: 03656 21945

Mahon Furnishings are sole distributors for the unique range of table lamps and mahogany standard lamps manufactured in Ireland by Mahoona Lighting. The range is complemented with an attractive collection of lampshades, hand painted ceramic accessories, including vases, plant pots, columns, fruit bowls, photo frames etc.

(B) (E) (H) (I) (J)

PRODUCT CODING

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Martin Dannell & Co. Ltd

Grosvenor Works, Mount Pleasant Hill
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Telephone: 081-806 8662 Fax: 081-806 7180

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Micromark

550 White Hart Lane
London N17 7RQ
Telephone: 081-881 2001 Fax: 081-889 3615

Micromark is one of the largest and most respected companies in the lighting industry, with a catalogue of over 300 fittings, including chandeliers, pendants, wall brackets, ceiling luminaires, spotlights, floor and desk lights, downlights and low voltage lighting, and a wide range of outdoor and security lighting. This is backed by massive stockholdings (delivery in days, rather than months), top-quality packaging, free unpriced catalogues, and a host of promotional, point-of-sale and graphic materials to make the retailers selling job easier. Micromark is a member of the Code of Practice Scheme.

(A) (B) (C) (D) (E) (F) (G) (M) (N) (O)

Masons Ironstone Broad Street, Hanley, Stoke on Trent ST1 4HH. Tel: 0782 264354 Fax: 0782 260888

Massive UK Ltd Castle Road Euroline Commercial Park, Sittingbourne, Kent ME10 3RN. Tel: 0795 424442 Fax: 0795 420779

MEM Limited 250V Whitegate, Broadway, Chadderton, Oldham OL9 9QG. Tel: 061 652 1111 Fax: 061 626 1709

Metal & Arts (1982) Ltd 26 Newman Street, London W1P 3HA. Tel: 071 580 3642

J H Miller & Sons Ltd Fallons Road, Wardley Industrial Estate, Worsley, Manchester M28 5NJ. Tel: 061 794 6013 Fax: 061 794 2834

Montrose International Ltd 10 Ponders End Ind Est, Duck Lees Lane, Mollison Avenue, Enfield EN3 7NJ. Tel: 081 804 1077 Fax: 081 443 5871

Moss Lighting Ltd 44/45 Bishopsgate Street, Edgbaston, Birmingham B15 1ES. Tel: 021 643 0529 Fax: 021 633 4576

The Modern Lighting Company

Brake Shear House, 164 Hight Street
Barnet, Herts
Telephone: 081-449 3556 Fax: 081-449 3556

The Modern Lighting Company established for over 25 years manufactures modern ranges of domestic decorative lighting fixtures together with a number of special lighting fittings. The standard ranges are marketed through both the retail trade and wholesale distributors whilst the special lighting products are either designed by The Modern Lighting Company to suit client's particular needs and specifications or manufactured exactly to client's drawings. The special products department is particularly active in the production of spotlighting for the portable exhibition stand industry in both 12 and 240 volt products.

(B) (C) (D) (F) (G) (O)

Metalarte, S.A.

Auda De Barcelona 4
08970 Sant Joan Despi
Telephone: (3) 477 0069 Fax: (3) 477 0086

Manufacturers of ceiling lamps, wall brackets, floor and table lamps of fine design and high quality

(C) (E) (F) (I)

W. Moorcroft Plc

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Moorcroft Pottery is made by hand in England for collectors around the world. MOORCROFT have a unique range of table lamps which are available with or without shades which have trim colour coordinated with the bases. Moorcroft designs and colours will blend into most interior decor making Moorcroft lamps a marvelous gift both for others or even one's self. A fully illustrated colour catalogue is available from dept LEN at the above address.

(I)

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Halesowen, West Midlands B63 3SN. Tel: 021 550 1101
Fax: 021 585 5361

Mr Light 275 Fulham Road, London SW10 9PZ. Tel: 071 352 7525
Fax: 071 581 4399

Neptune Shades 20 Beaconsfield Road, Deal, Kent CT14 7BY.
Tel: 0304 362397 Fax: 0304 381635

New Gala Lampshade MFR Ltd 63A Cricklewood Broadway,
London NW2 3JR. Tel: 081 452 1430

Noral Ltd Vincent Avenue, Crownhill, Milton Keynes MK8 0AB.
Tel: 0908 561818 Fax: 0908 569785

Norden Lights 44 Roundwell Street, Tunstall, Stoke on Trent ST6
5AN. Tel: 0782 835594 Fax: 0782 835608

Nuthall Lighting Ltd High Holborn Road, Codnor Gate Ind Est,
Ripley, Derby DE5 3NL. Tel: 0773 570000 Fax: 0773 570508

OSRAM Limited

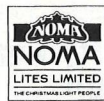
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Light source manufacturers. Total product range exceeds 1500 different lamp types – general lighting. Compact fluorescent, triphosphor tubes, metal halide, low voltage tungsten halogen, vehicle and signal lamps, photo-optics, electronic control gear.

(A) (L) (O)

Noma Lites Limited



Southey House, Avro Way
Brooklands, Weybridge, Surrey KT13 0YU
Telephone: 0932 336433 Fax: 0932 336014

Importers and distributors of the UK's largest range of Christmas lighting. Mains voltage 20, 40, 80 and 120 shadeless items available, also a wide range of 20 and 40 decorative shade items. Also available a range of outdoor lights in 20 lamp or 40 lamp format. Low voltage items include Random Twinkling 40, 60 and 80 light sets and a static 100 lamp set. A new range of low voltage garden lighting also recently introduced to the market. Moonrays is a low-cost, adaptable and safe 12v garden lighting system. Lights turn on automatically in the evening and off in the morning. 8 different lamp styles available in the range.

(A) (O)

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(C) (E) (F) (I) (J)

Northern Lights



Northern Lights

Units 26-29, Storforth Lane Trading Estate
Hasland, Chesterfield S41 0QL
Telephone: 0246 279569 Fax: 0246 208948

Northern Lights are manufacturers of decorative contract lighting. Our main strength is in public house/hotel/restaurant refurbishments.

Our comprehensive catalogue illustrates the wide range of decorative, utility and emergency lighting we can offer. We also manufacture bespoke lighting to designer specification. We guarantee an efficient, flexible service at very competitive prices.

(A) (B) (C) (D) (F) (G) (I) (J) (M) (O)

Opal Lighting Opal House, 23A Knights Hill, West Norwood,
London SE27 0HS. Tel: 081 670 9885 Fax: 081 761 9233

Oriental Interiors 2B George Street, Chester CH1 3EQ.
Tel: 0244 383273 Fax: 0630 673628

P M Lighting 10 Oakhill Road, Beckenham, Kent BR3 2NQ.
Tel: 081 650 9330 Fax: 081 650 9330

Palmers (Texlite) Ltd Station Road, Facit Whitworth, Rochdale
OL12 8RT. Tel: 0706 852909 Fax: 0706 852960

Panorama Lighting Ltd 9 Willersey Ind Est, Willersey,
Broadway WR12 7PR. Tel: 0386 852171 Fax: 0386 858743

Park Rose Ltd Carnaby Covert Lane, Bridlington, North
Humberside YO15 3QF. Tel: 0262 602823 Fax: 0262 400202

Peter Baker Leaded Glass Lighting Unit B Bakers Boatyard,
Brickyard Lane, Starcross, Exeter, Devon EX6 8RY. Tel: 0626 891383
Fax: 0626 888224

PRODUCT CODING

- | | | | | |
|--------------------------------|--------------------------------------|-------------------------------------|-----------------------|--------------------------|
| (A) Outdoor Lights | (B) Chandeliers & multi arm fittings | (C) Pendant & single light fittings | (D) Flush fittings | (E) Floor lamps |
| (F) Wall brackets | (G) Spotlights | (H) Child appeal lighting | (I) Table lamps | (J) Lampshades |
| (K) Novelty & effects lighting | (L) Lighting controls | (M) Dec. fluorescent fittings | (N) Security lighting | (O) Low voltage lighting |



J & M Parker Ltd

9 New Summer Street
Birmingham B19 3QN
Telephone: 021-359 8897 Fax: 021-359 4497

For over 30 years J & M Parker Limited have been producing fine brassware. In the last 10 years we have specialised in brass table lamps, giving us probably the largest range of quality British made portable luminaires available in the UK. Only the highest grade materials and components are used ensuring quality and compliance with British Standards. We regularly introduce new products of consistent high quality to meet the changing market demands, and have established an enviable reputation at home and overseas. Please contact us for a copy of our latest catalogue or arrange a visit to our showroom.

© I J

Pressac Ltd Acton Grove, Long Eaton, Nottingham NG10 1FW.
Tel: 0602 461600 Fax: 0602 460552

R V Lamps Ltd Victoria Works, Sion Street, Radcliffe, Lancs M26 OSB. Tel: 061 723 5039 Fax: 061 724 9078

Rain Ltd 26 Voltaire Road, London SW4 6DH. Tel: 071 498 7351
Fax: 071 498 0893

Reader's (IOW) Ltd 79 Place Road, West Cowes, Isle of Wight PO31 7AF. Tel: 0983 292131 Fax: 0983 269042

W Reeves & Co (Badges) Ltd t/a C Hughes & Co, 34/35 Tenby Street, Birmingham B1 3EE. Tel: 021 236 3839
Fax: 021 236 3731

Reflective Lighting Ltd Empson Road, Eastern Industry, Peterborough PE1 5UP. Tel: 0733 310776 Fax: 0733 890058

Reggiani Ltd Giltland House, 12 Chester Road, Borehamwood WD6 1LT. Tel: 081 953 0855 Fax: 081 207 3923

Philip Salter & Son Limited



Cobden Mill, Gower Street
Farnworth, Greater Manchester
Telephone: 0204 707277 Fax: 0204 861890

Philip Salter and Son Limited are a long established manufacturer of quality lampshades using laminated and unlaminated materials to make soft lined shades, coolies, drums, panel shades, pendant shades, uplighters. Rigid pleats etc. Supplied with or without lamp bases.

An in-house design facility is constantly introducing innovative ideas. We also manufacture gimbels and frames and have a large coating plant facility with capacity available for all your requirements.

I J

Quality Lighting Design



Unit 44, Flaxley Road
Stechford, Birmingham B33 9AL
Telephone: 021-608 8881 Fax: 021-608 8882

We are a manufacturing company specialising in the production of high quality brass decorative lighting. We have a large range which is available from stock. We are able to supply this range finished in Brush Bronze, Verdigris, White or Chrome to order. We also undertake special commissions for contract installations. By using our new electronic control gear, we can offer multi-arm chandelier and matching wall brackets for low energy applications and emergency lighting without the need for bulky housings for ballasts and with the benefits of high frequency operation.

B C D E F G I N O

Peter Martin Lighting Design Ltd 36A Dashwood Avenue, High Wycombe, Bucks HP12 3DU. Tel: 0494 464363
Fax: 0494 462413

Philips Lighting 420 London Road, Croydon, Surrey CR9 3QR. Tel: 081 689 2166 Fax: 081 684 0136

Piggery Pottery Glyn Rhonwy, Llanberis, Caernarfon LL55 4EL. Tel: 0286 872529 Fax: 0286 870961

Poole Lighting Ltd Cabot Lane, Creekmoor, Poole BH17 7BY. Tel: 0202 697344 Fax: 0202 600166

C & H Powell (Meopham) Ltd 12 Haven Close, Istead Rise, Meopham DA13 9JR. Tel: 0474 832367 Fax: 0474 812313

J N Preedy Ltd Unit 12 Camberwell Trading Estate, 117/119 Denmark Road, London SE5 9LB. Tel: 071 737 0351
Fax: 071 737 2787

Premier Decorations Ltd Premier House, Brember Road, South Harrow, Middx HA2 8BD. Tel: 081 423 7890 Fax: 081 423 5232

Ringslade Plastics Ltd



Angel Road Works, Angel Road
Edmonton, London N18 3BE
Telephone: 081-807 0665 Fax: 081-884 1161

Injection moulded coolie shades.
Injection moulded pendant fittings.
Custom injection mouldings.
Louvers and diffusers injection moulded.

C J

PRODUCT CODING

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R&S Robertson Limited

36 Bankhead Drive, Edinburgh
EH11 4EQ. Scotland
Telephone: 031-442 1700 Fax: 031-442 4356

Our company are manufacturers and suppliers of decorative lighting, offering a wide selection, covering all aspects of lighting. We have the capability to produce custom made fittings, our experienced team of lighting consultants having the ability to work closely with consultants, architects and designers. Our latest catalogue 'The Art of Enlightenment' is accepted both nationally and internationally as one of the finest in the industry, not only for the presentation, but as a working document. All this, combined with our excellent service to our customers, makes us the decorative lighting company to depend upon.

(A) (B) (C) (D) (E) (F) (I) (J) (M) (O)

Searchlight Electric Ltd**SEARCHLIGHT**

Water Street
Manchester M3 4JU
Telephone: 061-834 5452 Fax: 061-832 0316

Searchlight is a leading manufacturer and distributor of all decorative lighting products. Our 20,000 sq. ft. showroom and 200,000 sq. ft. warehouse are conveniently situated just off the M62 in Manchester. Unique to the industry we have our own manufacturing plant, quality control department and national sales representation. Whether it is a budget lampshade, a glittering crystal chandelier, recessed, low energy, outdoor or indoor, we are the specialists.

(A) (B) (C) (D) (E) (F) (G) (I) (J) (N) (O)

Renker Ltd 15 Blacklands Way, Abingdon Ind Park, Abingdon OX14 1DY. Tel: 0235 554100 Fax: 0235 534770

Ring Lighting Gelderd Road, Leeds LS12 6NB. Tel: 0532 791791 Fax: 0532 638708

Rochamp Ltd Unit 5 Shaftesbury Ind Centre, The Runnings, Cheltenham GL51 9NH. Tel: 0242 525385 Fax: 0242 227546

P Ruddiman Ltd Ashbrow Mills, Sheepridge, Huddersfield HD2 1DT. Tel: 0484 516705 Fax: 0484 547586

Russel Electrics Ltd 43/45 Grays Inn Road, London WC1X 8PP. Tel: 071 405 1052 Fax: 071 242 3567

Russell Lowe Ltd Unit 26 Broomhills Ind Est, Braintree, Essex CM7 7RW. Tel: 0376 45825

Saville E S Ltd 24 Longfellow Road, Worcester Park, Surrey KT4 8BB. Tel: 081 337 0874 Fax: 081 337 4107

Saville Pottery Ltd Unit 7C Whitebridge Ind Est, Whitebridge Lane, Stone, Staffs ST15 8LQ. Tel: 0785 818626 Fax: 0785 812114

Scurry Shades 51 Market Hill, Maldon, Essex CM9 7QA. Tel: 0621 855519

J Segal (Electrical) Co Ltd Unit F, Harbet Road, Lea Valley Trading Est, Edmonton, London N18 3LD. Tel: 081 884 3458 Fax: 081 884 3634

Seitz & Co GmbH Rohrauerstr. 70, Munchen 71, Germany D-8000. Tel: 010 49 89 78 90 68 Fax: 010 49 89 78 09 109

Servlite UK Ltd Servlite House, 9 Long Wood Road, Westinghouse Road, Trafford Park, Manchester M17 1PZ. Tel: 061 877 4254 Fax: 061 877 4255

Shades of Glasgow Unit B/B Project 9, McPhail Street, Glasgow G40 1nd. Tel: 041 551 9850 Fax: 041 554 5005

Shelf Pottery Ltd Gardiners Square, Denholm Gate Road, Hipperholme, Halifax HX3 8JR. Tel: 0422 205858

C Sandberg & Son Ltd**Endon®**

Felnex Road, Cross Green Ind Estate
Leeds LS9 0SS
Telephone: 0532 492755 Fax: 0532 484519

Endon Lighting is renowned throughout the industry for its comprehensive product range at realistic, affordable prices. Constant enhancement of the range, in line with current market trends, in the volume mid-sector of the decorative market has enabled Endon to show steady growth in recent years. Construction is well advanced for a new 25,000 sq ft distribution centre adjacent to the existing warehouse and office complex. This investment in the future will make sure Endon continue to progress well into the next century offering a high level of service and commitment to excellence.

(A) (B) (C) (D) (E) (F) (G) (I) (J) (N) (O)

SERVA lighting
LIGHTING DESIGNERS & MANUFACTURERS**Serva Lighting Ltd**

Europa House, Coronation Ave
Harrogate
Telephone 0423 371785 Fax: 0423 879736

We are specialists in brass and alabaster table lamps and fittings. Recent additions to our extensive product line up include bronze, silver and hand painted table lamps. For 1993 we have introduced a comprehensive range of soft and hard shades as well as award winning table lamps. Our success is based on a formula of value for money, British built, quality products, matched by a fast, efficient service. A full colour brochure is available. Just call our sales team.

(B) (C) (D) (E) (F) (I) (J)

PRODUCT CODING

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List of members

Shire Wholesale Furnishings Ltd 65 High Street, Colchester, Essex CO1 1DN. Tel: 0206 47163 Fax: 0206 47163

The Silk Gate Collection Foundation Units, 5 Westfield Road, Slyfield Ind Est, Guildford GU1 1RR. Tel: 0483 37752 Fax: 0483 31598

Simon and Simon Lampshades Ltd Fitzwarren Street, Salford, Manchester M6 5JF. Tel: 061 745 7985 Fax: 061 745 9856

S Smith (Elec Fittings) Ltd 85 Abercromby Avenue, High Wycombe, Bucks HP12 3BB. Tel: 0494 521667 Fax: 0494 444532

Spearmark International Ltd Howard Road, Eaton Socon, Cambs PE19 3ET. Tel: 0480 213633 Fax: 0480 217048

Speights Ltd Classic Works, Huddersfield Road, Mirfield, Yorks WF14 8BJ. Tel: 0294 494176 Fax: 0924 480691

Squire Lighting Ltd Hartford House, Weston Street, Bolton BL3 2AX. Tel: 0204 380813 Fax: 0204 382355

Silver Lynx Leisure Ltd



10-11 Amber Business Village, Amber close
Tamworth, Staffs B77 4RP
Telephone: 0827 311888 Fax: 0827 311880

A comprehensive range of easily installed ceiling fans 36"-52" diameter, with or without light kit. Brass/cane or white, duomount or cannister style. Fully reversible action for summer or winter use. Conforms to all relevant standards (BS 3456/4533). Optional accessories include: light kits, down rods and wall mounted speed/light controls.

(L)

Smithbrook Ltd

Smithbrook, Nr Cranleigh
Surrey GU6 8LH
Telephone: 0483 272744 Fax: 0483 267863

Smithbrook Lighting are creators of individually hand made iron lighting available in a variety of patinas and finishes. Our select group of customers can purchase from our comprehensive retail and contract ranges and designs vary from the small and delicate to the truly enormous and medieval with our own full in-house production facilities we can ensure that every product is of consistently high quality and delivered on time to our customer. For interior iron lighting Smithbrook are the specialists.

(B) (C) (E) (F) (I)

Spectrum Luminaires Ltd

Spectrum Luminaires Ltd.
Lighting of Distinction

2-2 Stanmore Industrial Estate
Bridgnorth, Shropshire WV15 5HP
Telephone: 0746 761449 Fax: 0746 766445

Manufacturers and distributors of cast aluminium exterior lanterns, lamp posts and copper lanterns. Aluminium lanterns are chromate treated, carry a 20 year written guarantee and are laboratory tested for electrical safety and ingress protection; certificates available. Wall, corner, post top, ceiling, dusk to dawn and PIR versions. Members of the Lighting Association Code of Practice.

(A)

Starlite (Chandeliers) Ltd 127 Harris Way, Windmill Road, Sunbury on Thames TW16 7EL. Tel: 0932 788686 Fax: 0932 780283

Straits Trading Co Ltd Pendle View, Bournes Row, Hoghton, Preston PRR 0DR. Tel: 0254 854363 Fax: 0254 853400

Strathearn Lighting 49 Burrell Street, Crieff, Perthshire PH7 4DG. Tel: 0764 2509 Fax: 0764 3599

Studen Products Ltd Hedgehog House, Unit 8, Caldershaw Centre, Rooley Moor Road, Rochdale OL12 7N Tel: 0706 45225 Fax: 0706 50791

Sussex Brassware Ltd Napier Road, Castleham Ind Est, St Leonards on Sea TN38 9NY. Tel: 0424 440 734 Fax: 0424 853862

Swan Lighting Unit 12 Queens Court Ind Est, Greets Green Road, West Bromwich B70 9EL. Tel: 021 522 4733

Swarovski UK Ltd One The Boulevard, Blackmoor Lane, Watford, Herts WD1 8YW. Tel: 0923 816366 Fax: 0923 816005

Summerbank Pottery (1970) Limited



38 High Street, Tunstall
Stoke-on-Trent, Staffs ST6 5TH
Telephone: 0782 834578 Fax: 0782 834412

Summerbank table lamps are most unusual in that they are models of pieces of furniture. For example a chaise longue, hall table, bookcase plus 4 others, which are an ornament in their own right. We also produce a small range of novelty lights ranging from a market stall to a tug boat. Brochures are available.

(I) (K)

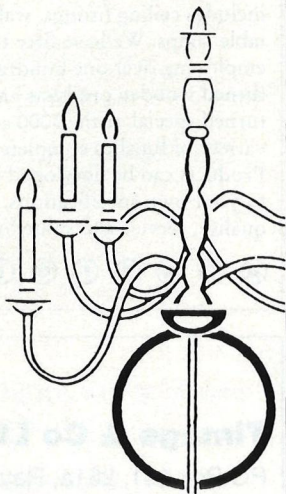
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HMS LIGHTING

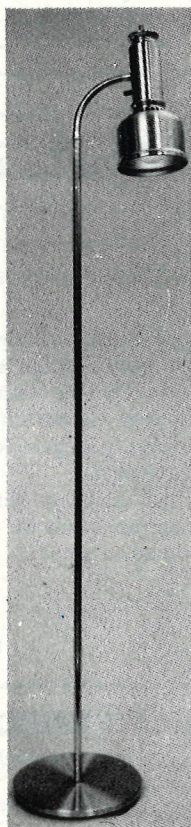
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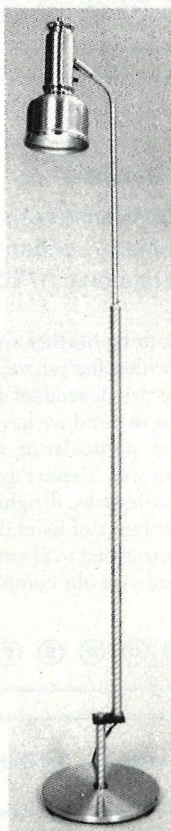


*Telescopic
or
With Flex Arm*

*Also available
Table & Wall
Models*

*For
further
information
contact*

GRIFFIN LIGHTING
19 HARROW ROAD
LEIGHTON BUZZARD
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This will be the UK's lighting event of the year.

It's the one place where the very best and latest in decorative and commercial lighting can be seen in a superb setting and all under one roof.

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contact:**

Graham Samuel,
Exhibition Organiser,
The Lighting Association,
Stafford Park 7,
Telford, Shropshire TF3 3BD.

Tel: 0952 290905 Fax: 0952 290906

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LIGHTING INDUSTRY FEDERATION



THE
LIGHTING
ASSOCIATION

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LA BUYER'S GUIDE 93/94 31

Supashades Ltd

Nelson Road, Nelson Industrial
Cramlington, Northumberland NE23 9BL
Telephone: 0670 735218 Fax: 0670 735017

Quality lampshades and pendant manufacturer. Wooden products manufactured in-house. Table lamps and standard lamps conform to LA code of practice. BS 5750 approved.

(C) (E) (I) (J)



Thurber Manufacturing Ltd

109 Bordesley Street
Birmingham
Telephone: 021-643 4677 Fax: 021-633 3557

Thurber have been manufacturing wooden components and domestic lighting for over twenty five years. Our lighting range includes ceiling fittings, wall lights, spotlights, standard lamps and table lamps. We have fifty thousand square feet of factory area, employing over one hundred people. We specialise in traditional turned wooden products and will happily produce the one off hand turned special or the 5000 automatically turned table lamps in a variety of finishes complete with shades and plugs. Products can be developed with our own design team or produced to your own specifications. Thurber has an excellent reputation for quality, service and value for money.

(B) (C) (D) (E) (F) (G) (I) (J)



Synchron PSB Unit 4D - 13/15 Anne Road, Smethwick, Warley,
West Midlands B66 2NZ. Tel: 021 558 6137 Fax: 021 555 5473

Take Ltd 73 Prince of Wales Road, London NW5 3LT.
Tel: 071 267 3937 Fax: 071 267 3997

Tally Ho Lighting Co Ltd Unit 31 The Cam Centre, 45 Wilbury
Way, Hitchin, Herts SG4 OTW. Tel: 0462 438336 Fax: 0462 436669

Tempus Stet Ltd Trinity Business Centre, 305/309 Rotherhithe
Street, London SE16 1EY. Tel: 071 231 0955 Fax: 071 252 3820

F W Thorpe Plc Merse Road, North Moons Moat, Redditch,
Worcs WR7 4DJ. Tel: 0527 584058 Fax: 0527 584177

Transomnia Ltd Unit 3, Mahatma Gandhi Est, Milkwood Road,
London SE24 0JF. Tel: 071 737 0260 Fax: 071 733 0984

Trident Manufacturing Ltd 95 Greengate, Salford, Manchester
M3 7NG. Tel: 061 832 0212 Fax: 061 832 7171

Timage & Co Ltd

PO Box 141, 261a, Rayne Road
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Telephone: 0376 343087 Fax: 0376 347706

An exclusive range of solid brass casting lights. The range includes wall lights, desk lamps, ceiling lights and outdoor lighting. These Italian designed and manufactured lights are of the latest design and highest specification. Aesthetic yet functional, they will enhance the interior and exterior of any home, hotel, pub etc.

(A) (F) (G) (I) (O)



Tanner Lighting

Unit 4, Brunel Court, Enterprise Drive
Four Ashes, Wolverhampton WV10 7DF
Telephone: 0902 791386 Fax: 0902 791493

Manufacturers, importers and wholesalers. Range includes: brass fittings and wallbrackets; brass standards and table lamps; brass picture lights - range of finishes; hand made leaded outdoor lanterns; wood fittings; wall brackets and table lamps; hand finish wood standards; porch lanterns - low energy and low voltage range. Distributors for S. Smith Ltd, Endon, Squire and Noral.

(A) (B) (D) (E) (F) (G) (I) (J) (O)



Tindle

168 Wandsworth Bridge Road
Fulham, London SW6 2UQ
Telephone: 071-384 1485 Fax: 071-736 5630

Nothing finishes an interior more than its lamps and shades, both for illumination value and decoration. Final tuning of any room is so very dependant on the ultimate adjustment of its lighting. With this in mind we have tried to assemble a range to help clients with their particular needs. We offer 'weight' in our large hand-painted armorial 'Export' porcelain pieces, 'delicacy' with our fine candlesticks, 'brightness' with our cast crystal, and 'originality' with our range of hand decorated wooden bases. These can readily be customised to clients fabrics and colours. We would be happy to send you our complete catalogue upon request.

(B) (C) (D) (E) (F) (I) (J)

TINDLE

PRODUCT CODING

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Tridonic Ltd Thomas House, Hampshire Int Business Park,
Crockford Lane, Chineham, Basingstoke RG24 0NA.
Tel: 0256 707000 Fax: 0256 707002

Tyrone Crystal Ltd Killybrackey, Dungannon, Co. Tyrone BT17
6TT. Tel: 08687 25335 Fax: 08687 262600

Valsan (UK) Ltd Unit 4 Eastmead Industrial Estate, Midhurst
Road, Chichester, W Sussex PO18 0DB. Tel: 0243 53811
Fax: 0243 537942

Vaughan Unit 1 Ferriers Industrial Estate, Morie Street,
Wandsworth, London SW18 1SL. Tel: 071 731 3133 Fax: 071 736 4350

Vectase Ltd Gorrels Way, Trans-Pennine Est, Rochdale OL11
9XX. Tel: 0706 341636 Fax: 0706 861332

Vitrea (Merchants) Ltd 1st Floor, 43/51 New North Road,
London N1 6JD. Tel: 071 253 1625 Ext 22 Fax: 071 608 0869
(see page 35)

Vogue Lighting Ltd Station Works, Higham, Bury St Edmunds
IP28 7DE. Tel: 0284 810569 Fax: 0284 811101

Walker Picton Mfg Ltd Unit 5 Totteridge Works, Totteridge
Avenue, High Wycombe HP13 6XG. Tel: 0494 439418
Fax: 0494 448692

D M Walker (Ltg) Ltd Audby Lane, Wetherby, West Yorkshire
LS22 4FD. Tel: 0937 580158 Fax: 0937 584153

Walter Allen Ltd Lagan Mills, Bridge Street, Lisburn, Co Antrim
BT28 1XX. Tel: 0846 677111 Fax: 0846 660773

Warminster Lighting Centre Ltd Factory Lane, Warminster
BA12 8LT. Tel: 0985 216624 Fax: 0985 215530

Waterford Crystal (Ltg) Ltd Butlerstown, Waterford, Irish
Republic. Tel: 010 353 517 3311

Wickshades Lighting Limited



WickSHADES

Unit 5a, St Francis Way
Shefford Industrial Park, Shefford, Beds SG17 5DZ
Telephone: 0462 816321 Fax: 0462 815548

Specialists in the production of soft fabric lampshades, both lined
and unlined. Experts in acrylic mouldings to customer specification
and the manufacture of wall lights.

(D) (F) (J)

Wieland Electric Ltd



wieland

Unit 5, Riverside Business Centre
Walnut Tree Close, Guildford, Surrey GU1 4UG
Telephone: 0483 456262 Fax: 0483 505029

Wieland Electric manufacture a range of ST17/ST18 compact
connectors for Lighting applications.
ST18 connectors are designed to make the mounting of lighting
devices easier, quicker and safer to install.
ST17 is a 2 pole 50v connector system which is ideal for all low
voltage applications. Moulded or rewireable connectors are offered
to take up to 6mm² cable size.
GST 18 connectors comply with IEC320 for use in domestic or
similar applications and especially suited to connecting appliances
directly to the mains.

(D) (L) (O)

Wenlock Pottery



Sheinton Street, Much Wenlock
Shropshire TF13 6HT
Telephone: 0952 727600 Fax: 0952 728065

We offer a comprehensive range of earthenware lampbases in a
wide variety of shapes and designs. We supply a large spectrum of
the lighting community, from the small retailers to the large
wholesale outlets. Any commissions considered.

(I)

Webb & Kempf Ltd Denmans Dairy, Barrington, Ilminster TA19
0JW. Tel: 0460 57080 Fax: 0460 54335

Josiah Wedgwood & Sons Ltd Barlaston, Stoke on Trent,
Staffs ST12 9ES. Tel: 0782 204141 Fax: 0782 404402

West One Ltd Hillside House, Avon Dassett, Leamington Spa
CV33 0AL. Tel: 0295 89402 Fax: 0295 89343

Wilkins & Wilkinson (Elland) Ltd Valley Mills, Park road,
Elland, Yorks HX5 9HP. Tel: 0422 373783 Fax: 0422 310027

Woodlust The Old Coach House, Firlands, Burghfield Common,
Reading RG7 3JW. Tel: 0734 833290 Fax: 0734 845680

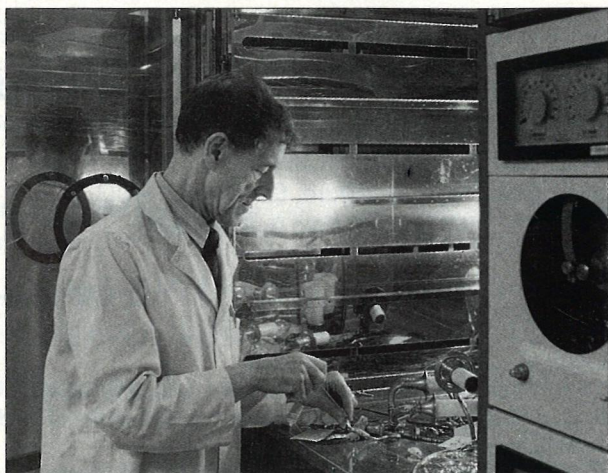
Yew Tree Manufacturing Ltd 43 Yew Tree Lane, Yardley,
Birmingham B26 1AP. Tel: 021 706 8153 Fax: 021 706 1786

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We understand our Industry and *your* Business

The Lighting Association operates the only independent laboratory in the UK dedicated to the testing of luminaires.



And because we specialise in the testing of luminaires to British and European safety standards, we can offer you extremely competitive rates.

Staffed by trained lighting experts, our purpose designed Test & Development Laboratory is one of the most modern and best equipped in the country.

Put us to the test.

Contact:

Richard Le Page, Manager.

**THE
LIGHTING
ASSOCIATION
LABORATORIES**

Stafford Park 7, Telford,
Shropshire TF3 3BD.

Tel: 0952 290907

Fax: 0952 290908

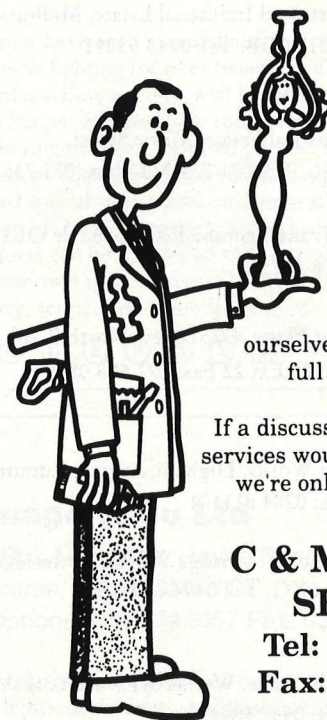
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As specialist lighting assemblers, and subassemblers, we are members of The Lighting Association code of practice scheme

From simple wiring to complete assembly, with 100% testing, we can reduce all your production problems. Zero defects can be guaranteed.

We do not produce or sell luminaires ourselves, and can assure you of full confidentiality.

If a discussion on our nationwide services would be of interest to you, we're only a 'phone call away.



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SERVICES**

Tel: (0422) 885018

Fax: (0422) 885787

Reader Service No. 325

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**Outdoor lanterns with Passive
Infra Red sensors.**



1 of 6 Models Featuring:

3m-15m Range	BS4533 Approved
10 sec - 12 Min Time	Manual Override
100W Rating	Rotatable eye Position

Design of Yesterday, Technology of Today

For your Colour Catalogue:

Elstead Lighting Ltd, Unit 7, Forge Works,
Mill Lane, Alton, Hants, GU34 2QG
Telephone: 0420 - 82377 Fax: 0420 - 89261

**Listed here are
five extra entries to
the alphabetical
directory of
Lighting Association
Members**

**Crown Heritage
International
Limited**



Goonhavern, Truro
Cornwall TR4 9QQ
Telephone: 0872 573505 Fax: 0872 571203

Crown Heritage, a family run business with a life time experience in producing pottery, aims to satisfy customer requirements by manufacturing ceramic lamp bases of a high quality to specification.

We are capable of producing lamp bases ranging from traditional designs, in plain colours, to specific shapes decorated with exclusive patterns. They can be fitted with good quality brass fittings and polished wooden plinths. All electrical work is carried out in strict accordance with the lighting association code of practice safety requirements.

①

C B Lighting & Co



Lighting & Co.

8 Victoria Street
Bristol, Avon BS1 6BN
Telephone: 0272 262361

We are manufacturers of PVC backed shades and soft shades in numerous materials and make to customers special order. We distribute a very wide range of decorative lighting including security lighting and waterproof outside lighting. We specialise in table lamps with hundreds of differing types and materials, backed with sixty types of shades in wood, brass, onyx.

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯

**M&F Products
(Croydon) Ltd**



Wandle Mills, Wandle Road, Beddington
Croydon, Surrey CR9 4NP
Telephone: 081-688 1645 Fax: 081-688 2948

Lampshade frames, rings, shade carriers etc. are our speciality. We have been manufacturing these products for over 40 years and our quality and experience is first class. All frames can be supplied plastic coated in polythene or nylon. We also manufacture wire lemons for bulb clips and heavy gauge rings for general purposes.

**Chandelier Cleaning
& Restoration
Services Ltd**

Chandelier Cleaning & Restoration Services Ltd.

Gypsy Mead, Fyfield
Essex CM5 0RB
Telephone: 0277 899444 Fax: 0277 899642

The leading Company in the UK dealing with restoration of period chandeliers, wall lights and candelabra. We hold vast stocks of glass purely for our restoration use, ranging from contemporary to antique. Employing our own glass blowers and cutters enables us to match any component should it not be available from our stock. The extensive range of services available include on site maintenance and cleaning, offering free/deductable quotations. Window installations also carried out by C.C.R.S. Ltd., personnel.

②

**Vitrea (Merchants)
Ltd**



43-51 New North Road
London N1 6JD
Telephone: 071-253 1777 Fax: 071-490 0088

A comprehensive range of Czech Lighting Products including Bohemia Crystal Chandeliers in styles Maria Theresa, cut crystal, plain crystal, light and heavy metal together with matching wall brackets all displayed in our showroom.

③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

PRODUCT CODING

- | | | | | |
|------------------------------|------------------------------------|-----------------------------------|---------------------|------------------------|
| ① Outdoor Lights | ② Chandeliers & multi arm fittings | ③ Pendant & single light fittings | ④ Flush fittings | ⑤ Floor lamps |
| ⑥ Wall brackets | ⑦ Spotlights | ⑧ Child appeal lighting | ⑨ Table lamps | ⑩ Lampshades |
| ⑪ Novelty & effects lighting | ⑫ Lighting controls | ⑬ Dec. fluorescent fittings | ⑭ Security lighting | ⑮ Low voltage lighting |

members supplying unlisted products

Anglia Spinners Spinings, pressings, turned parts, metal components in aluminium and brass.

Arden Manufacturing (Birmingham) Ltd British hand blown glass.

Ashley & Rock Ltd Luminaire support coupler, lampholders, ceiling roses, batten lampholders – all wiring equipment.

A Attenborough & Co Ltd Braids, fringes and tassels for lampshades.

BSB-Orion Ltd Metal spinings and pressings. Components and parts.

The British Crystal Lighting Company Custom made fittings, cleaning and restoration.

British Electric Lamps Ltd Lamps.

Buchanan Lighting Services Chandelier parts in crystal, pressings, stamping, castings, in brass, steel, wood and alabaster.

C & M Packing Services Contract packing and assembly services.

Candela Traditional Lighting Ltd Cowl backlights, illuminated bollards and Victorian street lighting.

Chandelier Cleaning & Restoration Services Ltd Chandelier cleaning and restoration.

Chandelier Specialist Lamps Ltd Lamps for chandeliers and wall-lights.

Collingwood VLM Ltd Lampholders, plugs, switches, cable assemblies, cordgrips and other accessories, rise and falls, turnings and pressings, brass and aluminium castings, pendant fittings, glasses and dimmers.

Crestworth Trading Ltd Lava lamps and fibre optic lamps.

Martin Dannell & Co Ltd Materials for lampshades and pottery lamp bases.

Dencon Accessories Ltd Lampholders, flex, plugs, connectors, switches, switch sockets and other electrical accessories.

Deta Electrical Co Ltd Festoon lighting, Christmas lights, brass and moulded lampholders, flex.

Elstead Lighting Ltd Traditional exterior lanterns with PIR.

Eterna Lighting Ltd Strip lights for the furniture industry.

Fantasia Ceiling Fans Ltd Decorative ceiling fans with light attachments.

GE Lighting Lamps.

Gold Crest Lampshades Ltd Shade carriers.

Golden Peacock Overseas Pvt Ltd Brass and ceramic lampholders, brass turned parts, casting and swivels.

Hartline Products Brass castings, pressings, arms, glass, onyx/marble, cord sets, rise and falls and lampholders.

E & EM Hughes Light fittings assemblers, plug fitters.

IMI Reeves Lampholders in anodised aluminium, brass, brass-plated steel, ceramic and phenolic.

Inlico Control gear, floodlights and components.

Shirley James (Incorp. Horrocks Shades Ltd) Lampshades.

D A Jones Ltd Acrylic dome lampshades.

KVT Kristall Ltd Crystal/glass and metal components, chandelier frames and restoration pieces.

Konstsmide UK Ltd Christmas lighting.

Lighting & Electrical Components Ltd Cable, lampholders, fasteners, metal components and silicone sleeving.

S. Lilley & Son Ltd Lampholders and lighting accessories.

M. Marcus Light switches and brass door fittings.

MDC International Ltd Fabrics, laminates, trims and pleated sleeves for lampshades.

M & F Products (Croydon) Ltd Wire lampshade frames.

MK Electric Plug-in lighting accessories.

Peter Martin Lighting Design Ltd Pleated lampshades.

Micromark Electrical accessories.

Mowbray Lighting Victorian style lanterns, brackets and posts.

Osram Ltd Lamps.

Philips Lighting Lamps.

Premier Decorations Ltd Christmas indoor and outdoor lights.

Pressac Ltd Interconnect wiring systems, lights for furniture industry.

Ringsalde Plastics Ltd Injection moulded diffusers and louvres.

Seitz & Co Lampshade materials, machines and tools for lampshade manufacture.

Silver Lynx Products/Crest Ceiling fans with lights.

Simon & Simon (Lampshades) Ltd Wire lampshade frames and parts.

Studen Products Ltd Bakelite and brass wired lampholders and wiring assemblies.

Tridonic Ltd Transformers, chokes, ignitors and electronic ballasts and transformers.

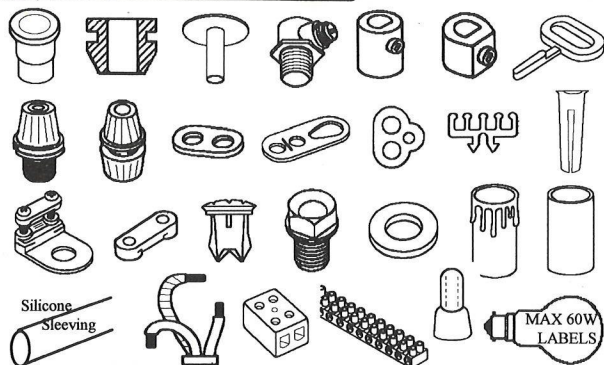
Wieland Design and maintenance of modular wiring systems.

Wilkins & Wilkinson (Elland) Ltd Metal spinings and pressings.



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Plastic Components.
We carry large stocks of
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Free Delivery Nationwide

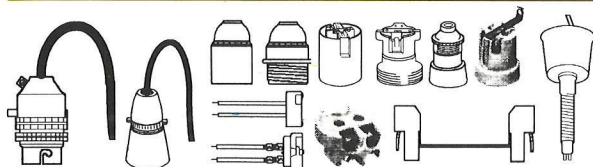


Silicone
Sleeving

Wiring Instructions Tape

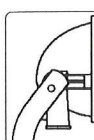
MAX 60W
LABELS

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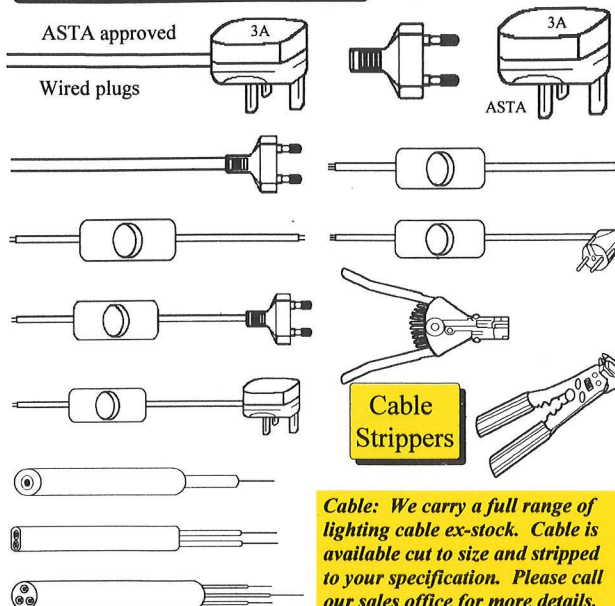
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Cable: We carry a full range of
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available cut to size and stripped
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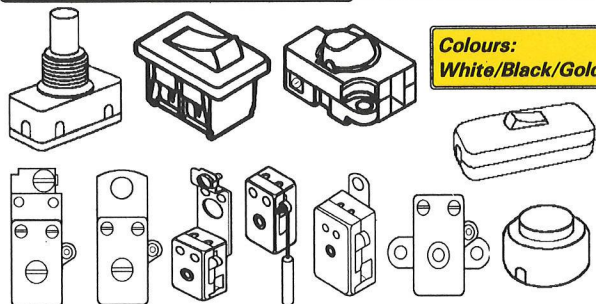
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For Quality Service



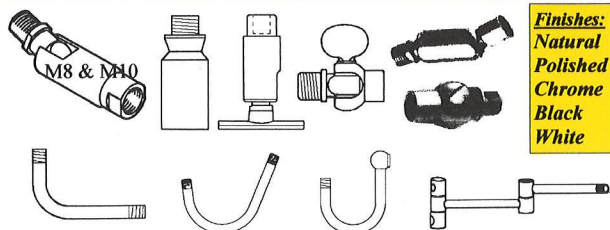
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The Full Range
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Colours:
White/Black/Gold

*** Knuckel Joints, Arms & Bends ***



Finishes:
Natural
Polished
Chrome
Black
White



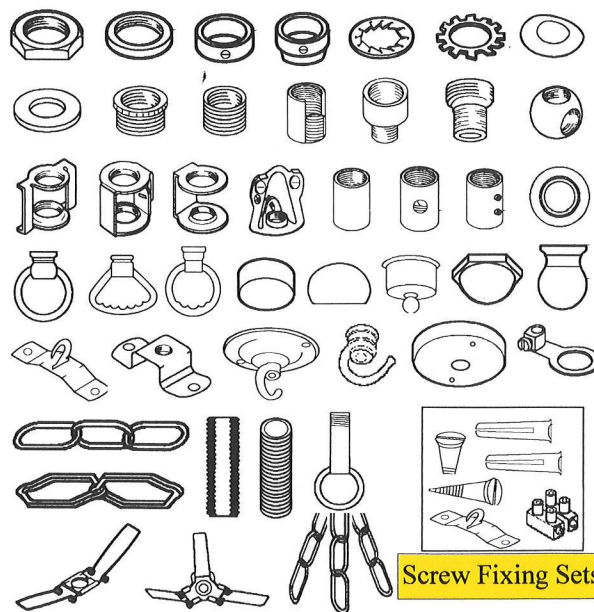
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Free Delivery Nationwide



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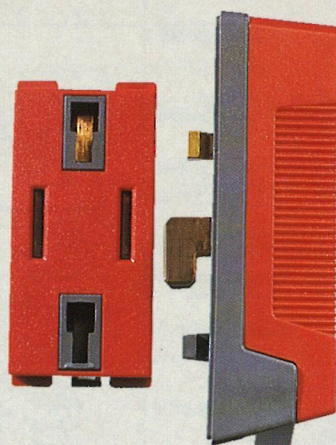


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FULL COMPLIANCE

So perfectly is it engineered, KLIK not only enables full compliance with the 16th Edition IEE regulations but also exceeds all relevant British Standards.

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To satisfy differing applications **Ashley & Rock** produce five variants of KLIK (covering 2 amp, 6amp and 10amp) which includes the New KLIK LP, a 10 amp 240V fused plug range designed to be compatible with the revolutionary MODULA power control system. To date 10 million KLIK units have been sold within the UK and internationally to companies and institutions who have adopted the system. That's some recommendation!

KLIK

LIGHTING THE WAY AHEAD

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