

CHOICE OF MATERIAL FOR PLASTIC DIFFUSERS

It is useful to know certain environmental features to ensure the best possible diffuser performance for different roles and conditions. The following table could help selection.

	Operating Temp C	Distortion Temp C	Low Temp C	Outside Use
polystyrene	up to 70	88	poor	poor
acrylic	up to 75	94	good	excellent
acetate	up to 50	70	good	good
polycarbonate	up to 135	150	excellent	good

IN THE EVENT OF FIRE THE BURNING RATE IS LOW FOR ALL OF THE ABOVE WITH THE EXCEPTION OF POLYCARBONATE WHICH IS SELF - EXTINGUISHING.

IN A GENERAL WAY, PRICES REFLECT THE DEGREE OF PERFORMANCE OBTAINED BY DIFFERENT MATERIALS SO THAT A POLYCARBONATE DIFFUSER CAN BE ROUGHLY TWO OR THREE TIMES THE COST OF A POLYSTYRENE DIFFUSER TO THE SAME DIMENSIONS AND FIT.

POLYCARBONATE - For strength, - heat resistance, - durability. For interior and outside application.

ACRYLIC (perspex) A much used diffuser material for interior and outside use - strong and durable

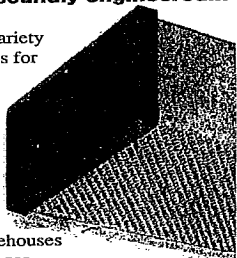
POLYSTYRENE A much less expensive material with light penetration and diffusion equal to that of acrylic but without the degree of strength and durability. Specified for the smaller diffuser (up to 3' to 4') undergoing less stress than larger styles for single and twin tube fittings

FLUORESCENT LIGHT FITTINGS AND DIFFUSERS

"Well designed and soundly engineered..."

A family of fittings in a variety of sizes and configurations for

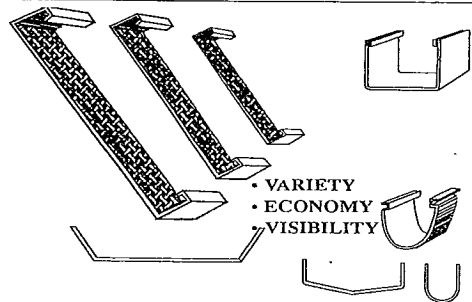
- ceiling
- desk
- wall
- cabin
- bathroom
- commercial offices
- warehouses
- garages
- public buildings
- passenger and freight ships
- leisure & sports complexes
- oil platforms
- factories
- high temperature areas (boiler & engine rooms etc.)



WITH OR WITHOUT EMERGENCY MODULE - WHICH TAKES OVER WHEN MAIN POWER FAILS - TO PROVIDE CONTINUITY OF LIGHT FOR AT LEAST ANOTHER THREE HOURS.

TYPICAL LUMINAIRE DIFFUSER CONFIGURATIONS WHICH CAN BE SUPPLIED TO CUSTOMERS DIMENSIONS

THIS IS WHAT THE DIFFUSER REPLACEMENT SERVICE IS ALL ABOUT.



- VARIETY
- ECONOMY
- VISIBILITY

POLYCARBONATE SHEETING



Of the several plastics materials now available for the multitude of applications where previously only metal or wood could be considered, the qualities and characteristics of the polycarbonate range gives architects, builders, and glaziers, an abundance of opportunities for original design features for the modern 'light weight' concept in construction.



transparent as glass and half its weight tough, very strong - has 250 times the impact strength of glass

large glazed areas possible for maximum light distribution

weather resistant

excellent temperature characteristics

illuminated ceilings and lighting diffusers

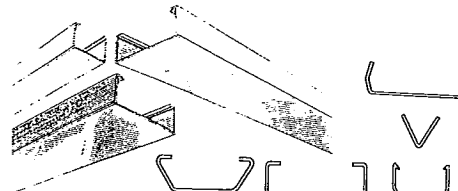
clear, embossed, clear little pearl and also available in colours.

curved and other shaped sections for domes, partitions, separation panels, patios and conservatories



The strength and excellent transparency of polycarbonate has led to its choice for numerous applications in electronics, and light and heavy engineering. Products include: industrial visors and protective goggles, police riot equipment, covers for high voltage switching and control boxes, motor cycle screens, aircraft interior panels, to name but a few examples where polycarbonate has become...

THE PREFERRED MATERIAL



POLYSTYRENE, ACRYLIC, POLYCARBONATE, OPAQUE, PRISMATIC, REEDED

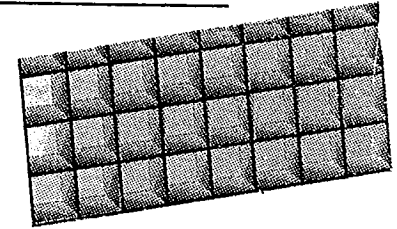
RECREATE THE ORIGINAL PRISTINE APPEARANCE, AND COMFORTABLE LIGHT LEVEL, WITHOUT INCURRING THE EXPENSE OF REPLACING THE ENTIRE FITTING - BY CALLING UPON THE AKERON DIFFUSER REPLACEMENT SERVICE



THE VARIETY OF DESIGN AND EFFECTS AVAILABLE FROM LOUVRE PANNELS

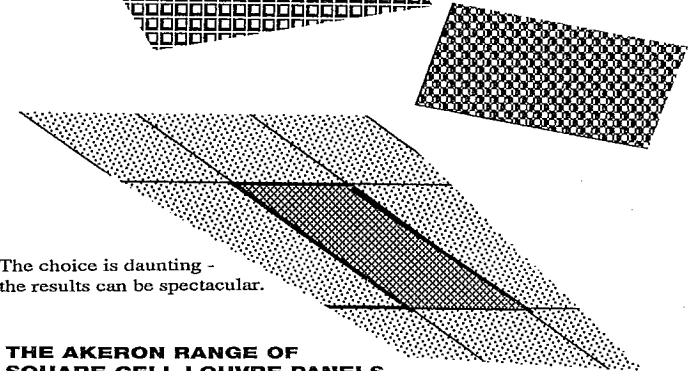
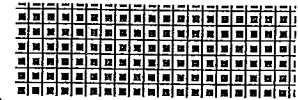
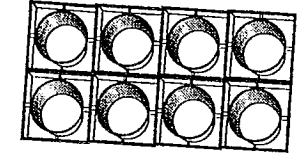
Hospitals & Government & Local Authorities

For the ceilings of these environments perhaps attractiveness is not so important as clear, penetrating, but non-glare 'white' evenly spread light for clear vision from fewer but large size plastic diffusers or recessed louvre panels



Public amenity & leisure Centres & Shopping Malls

The whole range of diffuser possibilities, from large scale suspended ceilings illuminated by continuous broad lines of louvre panels to arrangements of small diffusers of several shapes - linear and global -



The choice is daunting - the results can be spectacular.

THE AKERON RANGE OF SQUARE CELL LOUVRE PANELS

Of the interesting and decorative variety of louvre diffuser designs and arrangements, the square cell ('or egg-crate') configuration provides a neat appearance and an even diffusion of light without glare, at more economical cost than for the more elaborate louvre designs among these pages.

