



MULFORD
PLASTICS
delivering solutions

PRISMATIC

Prismatic Diffuser Sheets

Prismatic Diffuser Sheets have excellent light transmission and UV resistance. Mulford Plastics prismatic diffuser sheets are manufactured from acrylic and are the industry benchmark for fluorescent light diffusion. Easy to cut-to-size and install. Our panels reduce glare, provide pinpoint brightness and enhance visual comfort.

Our product range consists of K12 that eliminates glare and obscures fluorescent and HID lamps. The K12 features 4.75mm square base female conical prism placed on a 45° axis, resulting in a high level of visual comfort. K15 prismatic lighting panel with a bold, 9.52mm square base, female conical prism provides excellent efficiency and direct glare control, while maintaining a high level of visual comfort and excellent in large areas. Finally the industry standard for controlling high-angle brightness, the K19 is an acrylic prismatic lighting panel with a 4.75 square base male conical prism is designed to control and direct fluorescent and HID lighting.

Key Features

- Acrylic lighting panel
- Excellent UV resistances
- Easily cut and installed

Product Applications

- General offices
- Government Buildings
- Large Retail areas
- Illuminated Ceilings
- Computer rooms
- Laboratories
- Computer Rooms
- Laboratories
- Schools and Colleges

PRISMATIC

KSH-12

A prismatic panel with a 3/16" squarebase female conical prism placed on a 45° axis.

This panel offers maximum efficiency with excellent direct glare control. It has been considered the standard of the industry for many years.

Availability:

- Clear and Silvertint acrylic
- RF, UVALITE and ACRI-TUF

| AVERAGE LUMINANCE | | |
|-------------------|----------|-----------|
| DEGREE | PARALLEL | CROSSWISE |
| 45° | 1254 | 1421 |
| 55° | 946 | 990 |
| 65° | 706 | 676 |
| 75° | 418 | 376 |
| 85° | 387 | 319 |

| EFFICIENCY | |
|------------|---------|
| DEGREE | PERCENT |
| 0-40° | 40.4% |
| 0-60° | 61.2% |
| 0-90° | 67.7% |

V.C.P. for a 30'x40'x8.5' Room is 63.

Building Acoustics and lighting Laboratories.

Report No. 5073.0, 7-17-87.

KSH-12 Clear Acrylic Lens. 2x4 troffer with 4, 3200 lumen lamps.

Nadir candlepower: 3779.

KSH-15

A prismatic panel with a bold 3/8" square base female conical prism placed parallel and perpendicular to the length and width of the panel.

This panel has excellent efficiency and direct glare control. A specification panel recommended for use in large areas without objectionable sag or as a frameless lens.

Availability:

- Clear acrylic
- Recommended sizes up to 4'x4'

| AVERAGE LUMINANCE | | |
|-------------------|----------|-----------|
| DEGREE | PARALLEL | CROSSWISE |
| 45° | 1241 | 1591 |
| 55° | 840 | 867 |
| 65° | 567 | 634 |
| 75° | 501 | 542 |
| 85° | 465 | 465 |

| EFFICIENCY | |
|------------|---------|
| DEGREE | PERCENT |
| 0-40° | 38.2% |
| 0-60° | 59.9% |
| 0-90° | 66.8% |

V.C.P. for a 30'x40'x8.5' Room is 58.

Building Acoustics and lighting Laboratories.

Report No. 5096.0 8-7-87.

KSH-15 Clear Acrylic Lens. 2x4 troffer with 4,3200 lumen lamps.

Nadir candlepower: 3647.

KSH-19

A prismatic panel with a 3/16" square base male conical prism placed parallel and perpendicular to the length and width of the panel.

This specification panel is better than its injection molded counterparts. It is fast becoming the quality standard for the industry to control high angle brightness

Availability:

- Clear and Silvertint acrylic
- RF
- Recommended thickness for 2' x 4' is .156"
- Recommended thickness for 3' x 3' is .187"

| AVERAGE LUMINANCE | | |
|-------------------|----------|-----------|
| DEGREE | PARALLEL | CROSSWISE |
| 45° | 1290 | 1451 |
| 55° | 609 | 559 |
| 65° | 290 | 272 |
| 75° | 326 | 318 |
| 85° | 414 | 344 |

| EFFICIENCY | |
|------------|---------|
| DEGREE | PERCENT |
| 0-40° | 41.3% |
| 0-60° | 61.5% |
| 0-90° | 66.9% |

V.C.P. for a 30'x40'x8.5' Room is 68.

Building Acoustics and lighting Laboratories.

Report No. 5058.0, 7-6-87.

KSH-19 Clear Acrylic Lens. 2x4 troffer with 4, 3200 lumen lamps.

Nadir candlepower: 3956.

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