



GRIMCO Lucent TwinColour

Integrated LED Solutions – A hidden achiever

GRIMCO® Lucent (TwinColour) is a specialty development from GRIMCO®, acrylic group, creating two impressions within the one GRIMCO® acrylic product. When unilluminated the GRIMCO® Lucent (TwinColour) acrylic panel appears as a standard colour during daylight and in the evening, once LED illuminated it appears as a bright, vibrant white acrylic panel.



Grades available:

- Lucent TwinColour 5904V1 (Black/White)
- Lucent TwinColour 5926V1 (Grey/White)
- Lucent TwinColour 3400V1 (Blue/White)

Advantages

- GRIMCO® Lucent (TwinColour) has a velvet texture (P99) on one side (V1) to assist in the vibrant diffusion of the LED light source.
- Principle colour is translucent, diffusing natural light maintaining its primary color, when illuminated it transmits the colored wavelength of the artificial LED light.
- GRIMCO® Lucent (TwinColour) creates two effects with one GRIMCO® product.
- Optimum LED backlit illumination.
- Excellent light reflecting properties, once illuminated.
- Superior color appearance in transmitted light.
- Long product life: 10-year manufacturer's guarantee on UV stability.
- Easy to shape/thermoform into cosmetically pleasing curves.
- Eliminates hot spotting issues.
- No light refraction & reflection.
- Excellent light reflecting properties creating the optimum level of transmission.
- Requiring minimal LEDs for maximum results & highly energy efficient.
- Limited maintenance, no pin spotting/hot spots.
- Good mechanical strength.
- Good surface hardness (opposed to other plastic polymers).



- GRIMCO® Lucent (TwinColour) increases the intensity of the illumination, through developed light scattering surface diffusion technology.
- GRIMCO® Lucent (TwinColour) assisting with the issue of sign pollution.
- Light weight (approx. half the weight of glass).
- Unique & excellent safety benefits for high traffic areas.
- Good impact resistance.
- Specially formulated for solutions in signage & illuminated applications.
- High quality inspection.
- Excellent light transmission & diffusion enabling optical clarity.
- Superior cast acrylic finish (no manufacturing lines & inclusions).
- Easy to cut & fabricate.
- Excellent surface hardness, no fingerprinting.
- Approx. eleven times more break resistant than glass.
- GRIMCO® Lucent (TwinColour) is currently available in Black/White, Blue/White & Grey/White.

Applications:

- Effective GRIMCO® Lucent (TwinColour) applications: partitioning within the light box, ability to illuminate different areas at separate times. Hidden information visible when illuminated.
- Signage, machine components, feature walls, lighting etc.



Surface Finish: Velvet 1 side (V1) / Gloss

Std. Dimensions/panel sizes:

- 2440mm x 1220mm
- 3050mm x 2050mm

Standard thicknesses:

3.0mm, 4.5mm & 6.0mm

Masking: Pressure Sensitive PE film & Paper Masking on request.

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