

X-21 Lensgard™ Component Assemblies

Durable • Vandal-Resistant • OEM-Ready

The X-21 Lensgard™ Component Assembly from RLR Industries, represented to lighting OEMs by Bill Brown Sales, is engineered for performance in high-abuse environments. This rugged composite lens solution combines proven optical control with exceptional impact resistance—helping OEMs design luminaires that withstand demanding applications with reliable performance built-in.

Each assembly integrates a K-12 diamond prismatic acrylic lens with a smooth, clear polycarbonate shield, delivering both light transmission and protection. A specially engineered extruded acrylic channel seals the perimeter, sonically welded to create a single, unitized lens assembly. The result: a vandal- and impact-resistant solution that safeguards fixtures while ensuring long service life.

Recommended Luminaire Applications

- Medical facilities
- School hallways and classrooms
- Correctional institutions
- Gymnasiums and recreational centers
- Locker rooms
- Any large-footprint luminaire in high-abuse environments

Performance Highlights

- Impact Resistant – Polycarbonate shield provides protection against breakage and vandalism.
- Optical Clarity – Diamond prismatic acrylic maintains high light transmission for effective illumination.
- Sealed Protection – Perimeter weld prevents tampering, moisture ingress, and premature failure.
- Customizable – Multiple sizes, finishes, and thicknesses available to meet OEM requirements.

Ordering Information

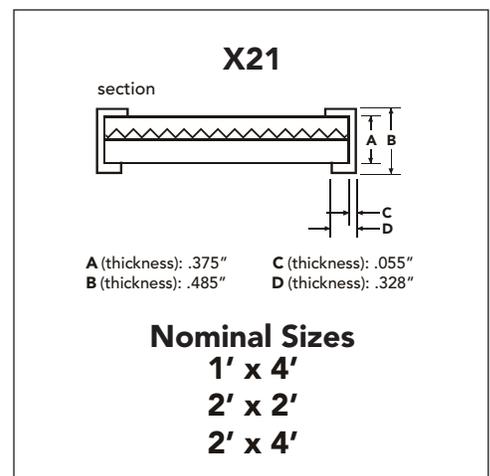
- Nominal Sizes – 1'x4', 2'x2', 2'x4' troffer-style or door-frame luminaires
- Confirmation – Final dimensions verified per order between RLR Industries and OEM customer
- Packaging – Bulk packed and palletized to specification
- Patterns – K-12 clear or frosted prismatic acrylic (prisms inward) paired with clear polycarbonate
- Custom Options – Sizes, fabrication, and thicknesses available upon request

Light Transmission

- Frosted Prismatic Acrylic + Clear Polycarbonate: ~76%
- Clear Prismatic Acrylic + Clear Polycarbonate: ~90%
(Tested per RLR Light Meter LT% standard procedure)

Why Choose the X-21 Lensgard for Your Fixture Designs?

- OEM Ready – Streamlined, ready-to-install assemblies accelerate production.
- Proven Durability – Engineered for vandal-prone and high-abuse environments.
- Trusted Partnership – Backed by RLR engineering expertise and the Bill Brown Sales OEM support team.



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