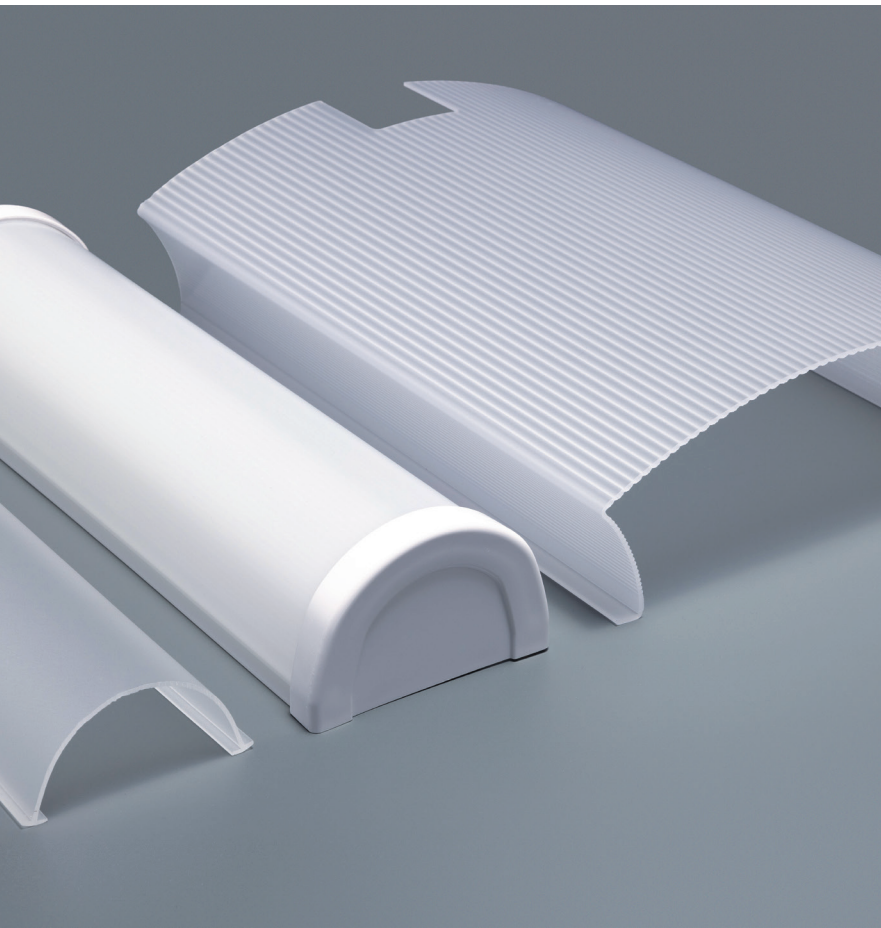




Lighting the way  
with strength & style

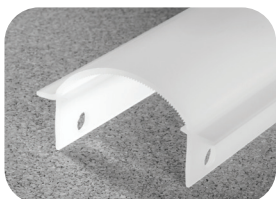
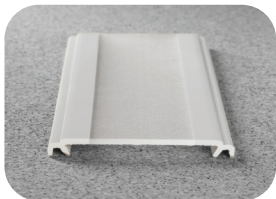
## LIGHTING SOLUTIONS



### **Illuminating Possibilities with Precision and Performance**

At Pexco, we believe light is more than illumination — it's an experience. The ideal material doesn't just brighten a space; it transforms it, delivering optimal light balanced with the **perfect amount of diffusion, lasting durability and stylish impact.**

That's why Pexco's polycarbonate solutions are in the toughest environments. From schools and hospitals to parking garages, detention centers, transit stations and other high-traffic areas, our custom polycarbonate lenses stand strong against vandalism, impact, and demanding safety standards.



We engineer customized optical polycarbonate blends to achieve the **perfect harmony of light transmission and diffusion**, ensuring every project shines with clarity and consistency.

## The Power of Polycarbonate

Bring your next innovation to life with the **unmatched versatility of polycarbonate**. As the North American go-to-material provider for outdoor and vandal resistant lenses, our polycarbonate solutions deliver:

### Key Benefits:

- Exceptional strength to withstand impact and wear
- Thermal stability for reliable performance in demanding conditions
- Optical clarity for brilliant, uniform illumination
- Design flexibility to meet the needs of commercial, industrial & specialty applications.

Property	ASTM Test Method	General Purpose PC
<b>Physical</b>		
Specific Gravity	D-792	1.2g/cm <sup>3</sup>
<b>Optical</b>		
Light Transmission	ASTM D-1003	88%
<b>Mechanical</b>		
Rockwell Hardness	D-785 (M Scale)	77
Tensile Strength	D-638	62 MPa
Tensile Modulus	ISO 527-2/1	2400 MPa
Flexural Strength	D-780	90 MPa
Flexural Modulus	D-790	2260 MPa
Notched Izod Impact (3.20mm)	D-256	930 J/m
<b>Thermal</b>		
Deflection Temp Under Load (1.8 MPa Unannealed)	D-648 (°C)	131
Flammability	UL94	HB at 1.50 mm V-2 at .400 mm

**With Pexco, your lighting solutions don't just perform — they inspire.**

**Learn more at:** [www.pexco.com/products/lighting-products](http://www.pexco.com/products/lighting-products)

**Get in touch with our experts.**

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