



POLYCARBONATE LIGHT DIFFUSER SHEET FOR LED FIXTURES

MORE LIGHT DIFFUSION OPTIONS FROM US MEAN FEWER DESIGN PROBLEMS FOR YOU

Multiple levels of light diffusion:

- » Simplify design considerations for new fixtures and for retrofit conversions to LED's
- » Choose the best option for different fixtures performance requirements

New LW grades deliver even higher light transmission at equal light diffusion

- » LW grades shift light to slightly warmer hue (lower Correlated Color Temperature, CCT) vs. LC grades

Advanced diffusion technology from Plaskolite:

- » Provides hiding power for LED hot spots plus high light transmission
- » Increases light uniformity throughout the lens

Plus: UL 94 V-0/5VA flammability rating on LUMEN XTV

Diffusion and Transmission

Lumen XT Grade	DIFFUSION (FWHM, degrees)		% TRANSMISSION (ASTM D 1003)	
	0.060" thickness	0.118" thickness	0.060" thickness	0.118" thickness
LC0	14	13	91	90
LC3	38	53	90	85
LC5	53	77	88	77
LC7	86	135	79	62
LW3	38	53	93	90
LW5	53	77	90	81
LW7	86	135	82	67
LW9	146	166	73	55

PLASKOLITE

400 Nationwide Blvd, Suite 400
Columbus, OH 43215
800.848.9124 • Fax: 877.538.0754
plaskolite@plaskolite.com
www.plaskolite.com

TUFFAK LUMEN XT POLYCARBONATE LIGHT DIFFUSER SHEET FOR DESIGN VERSATILITY AND DURABILITY IN LED FIXTURES

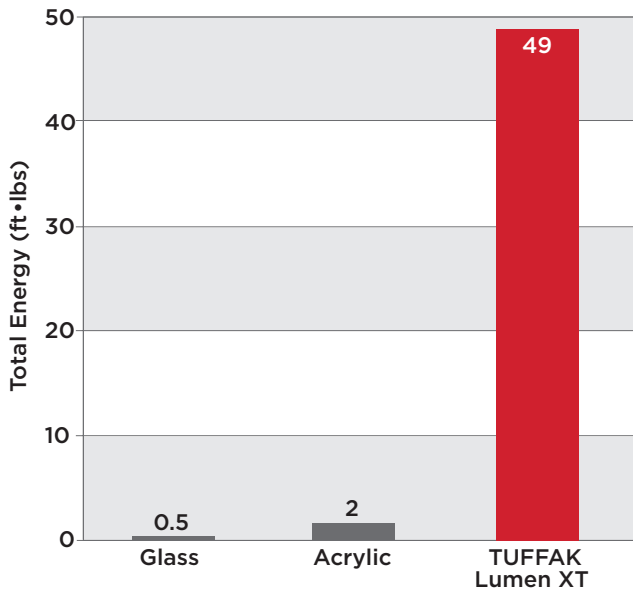
Superior toughness makes TUFFAK Lumen XT ideal for:

- » Safety and security applications
- » Damage prone areas such as detention facilities, schools, institutions and high traffic walkways.

TUFFAK Lumen XT's exceptional temperature resistance allows far more freedom in fixture design:

- » LED's can be placed closer to the lens for thinner profile designs
- » Higher temperature resistance minimizes risk of distortion due to temperature hot spots

Impact Resistance Comparison*



*Instrumented Impact per ASTM D 3763, sample thickness 0.118" nominal

Temperature Resistance Comparison

