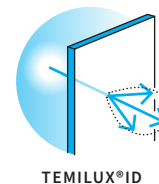


temiLux®ID pure film

The invisible glare control of light



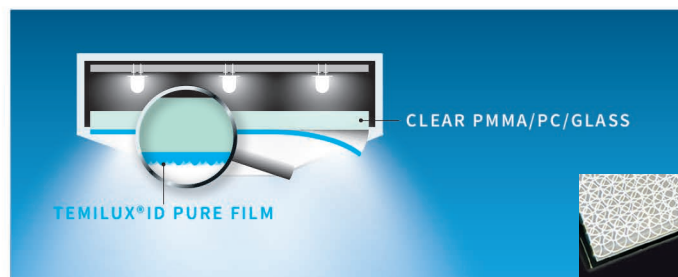
Best-In-Class invisible glare reduction thanks to our expertise in high resolution micronano technology.

Thin, seamless and endless film offers new luminaire design opportunities like seamless continuous light lines. temiLux ID pure can be combined with our additional diffuser film SME-C45 in order to obtain a glare-free, smooth, homogeneous and aesthetic luminaire appearance.

temiLux®ID pure (sample on desk) and combined with diffuser SME-C45 (pendant luminaire)



temiLux®ID pure film with microstructures facing away from LEDs (inside)



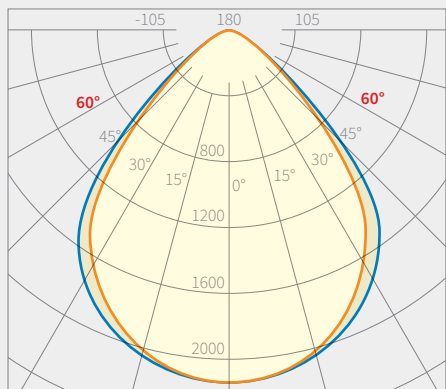
temiLux®ID pure film clipped or laminated* (outside)

Advantages

- Seamless
- Invisible micro pattern
- Excellent glare reduction
- Highest reachable efficiency
- Attractive appearance (opal)
- Very thin: Only 280 µm
- New Design Opportunities
- Easy assembly seamless

Technical specifications

Material	PET
Thickness	approx. 0.28 mm (0.011") or 0.40 mm (0.016")
Dimensions	standard structured width: up to 630 mm (24.80")
Structure resolution	invisible to the human eye
Transmission D ₆₅	92 %
Hiding Ratio	LED Pixel Pitch/Working distance to temiLux ID pure film < 1
Excellent glare control	according to DIN EN 12464-1 Light flux / 4000 lm: UGR 17 Light flux/ 5500 lm: UGR 19
No color shift	acc. report DIAL 2092006.001
Temperature Range	-40°C (-40°F) up to +100°C (212°F)
Weight (g/m ²)	for thickness 0.28 mm (0.011") = 300 g/m ² (0.661 lbs/sqft) for thickness 0.40 mm (0.016")= 400 g/m ² (0.882 lbs/sqft)
ROHS/REACH	compliant



*Lamination = requires temiLux ID pure film + OCA (Optical Clear Adhesive), laminated at temicon on the non-textured side of temiLux ID pure film. With cold lamination process, the customer laminates this film on his substrate (PMMA, PC or glass). Cold lamination presupposes a process temperature between 20 and 30°C, 1 bar contact pressure and 3 to 5 meters per minute process speed.



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