

Technical specifications

Pattern size	250µm (invisible)
Material	PMMA (others on request)
Thickness	2 mm (1,5-4mm on request)
Ratio design height/LED-grid	< 1
Transmission D ₆₅	92%
Dimensions	1500 mm x 300 mm (custom spezified cut on request)
Buildup pure/smart	one-plate solution

temilux®ID advantages

- Cost efficient one-plate solution
- Invisible micro pattern
- Excellent controlled deglaring performance*
according to DIN EN 12461
 - Light flux /4000 lm: UGR 17
 - Light flux/ 5500 lm: UGR 19
- No color shift according report DIAL 2092006.001
- Individually cut
- Surface easy to clean
- Frameless plates

Individually laser cut and custom thickness on request.
Glow wire test conducted according DIN EN 60598-1.

*Reference luminaire 540mm x 540mm

The invisible deglaring of light



The invisible deglaring of light



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Highest technical
aspiration for modern
and aesthetic office
lighting solutions

INVISIBLE DEGLARING

temilux®ID pure



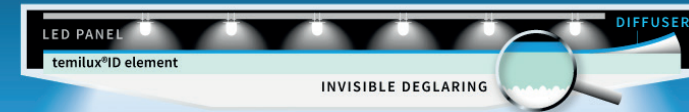
ABOUT

temilux®ID

Modern life requires illumination and illumination requires optic and design. temilux®ID comprises both: highest optical requirements and modern, aesthetic design.

THE ONE PLATE SOLUTION

temilux®ID smart



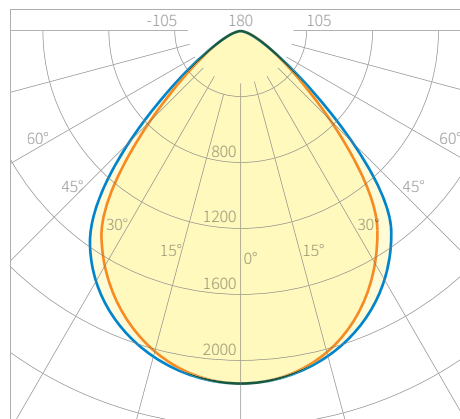
temilux®ID is temicon's office lighting element and is available in two product variants:

- **temilux®ID pure** represents temicon's invisible deglaring element which can be combined with customer's own diffuser.
- **temilux®ID smart** combines the invisible deglaring element with a temicon designed diffuser in an efficient one-plate solution.

temilux®ID pure represents the invisible deglaring microstructure.

The product variant temilux®ID pure consists of a PMMA plate with an invisible deglaring structure on it. The microstructure is created by the cost-efficient roll-to-roll process on thin film and laminated to the plate. When shining light through the synthetic substrate it is controlled to an angle of 60°, according to DIN EN 12464 for office lighting.

The big advantage of temilux®ID pure exists in the invisible characteristics of microstructures.



Measured* light distribution curve of temilux®ID

— C0/C180 — C90/C270

*Reference luminaire 540mm x 540mm

temilux®ID smart combines deglaring and diffuser structure in one lighting element.

temilux®ID smart offers highly innovative invisible deglaring and diffuser function combined in an one-plate solution with excellent UGR values. Controlled glare distribution according to the standard DIN EN 12464, UGR19 is achieved with temilux®ID pure and smart.

Using the advantages of LED technology and temicon's know how of micro structuring, temilux®ID enables an ultra slim and efficient design of luminaires. The invisible microstructure is highly transmissive with a factor of 92%. The silky-smooth surface of our own diffusor satisfies the highest aesthetic demand without showing the classic prism structure.