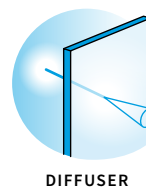
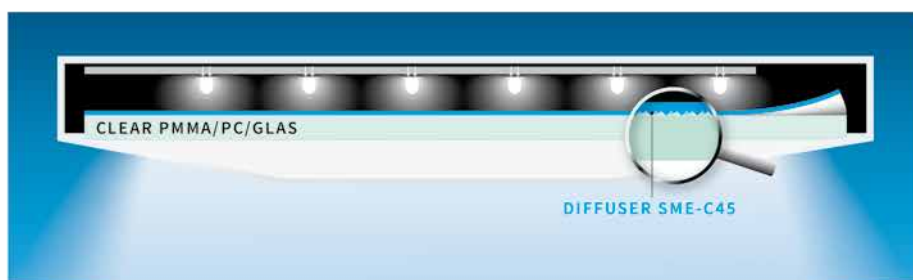


Diffuser SME-C45

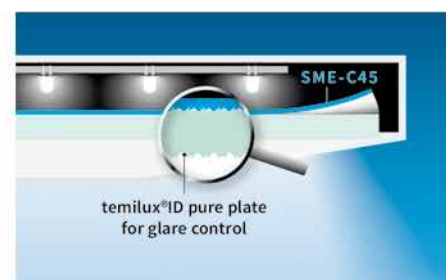
Don't compromise on Design and Efficiency



For many tasks in lighting design a seamless, high performance and highly efficient LEDs hiding-diffuser is state of the art. temicon's diffuser SME-C45 is seamless and available in 1000mm width. Thank to our expertise in micronano-technology we designed an optical diffuser with a very high transmission and homogenization capacity. The ideal component for all LED sources.



Diffuser SME-C45 with microstructures facing away from LEDs for homogen light



Diffuser SME-C45 combined with temilux ID pure plate.

Advantages

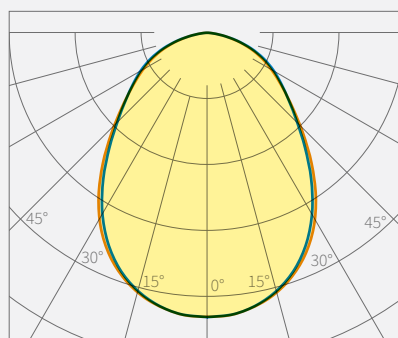
- Seamless production
- Large available width: 1000 mm
- High homogenization
- High transmission: >90%
- Hiding-ratio:
 - SME-C45 1,5
 - SME-C45 + temilux ID pure 1,0
- Reduced scattering light loss by surface structuring

Technical specifications

Material	PET
Thickness	125 µm = 0,125 mm (0.005")
Dimensions	up to 1000 mm (40.80") width x roll
Structure resolution	invisible to the human eye
Transmission D ₆₅	> 90 %
Hiding-Ratio	LED Pixel Pitch/Working distance to diffuser = 1,5
Temperature Range	-40°C (-40°F) up to +100°C (212°F)
Weight	for thickness 125 µm (0.005") = 154 g/m ² (0.340lbs/sqft)
ROHS/REACH	compliant

Measured* light distribution curve of temilux®LG spot
 — C0/C180 — C90/C270

*Reference luminaire 540mm x 540mm



Diffuser SME-C45 for homogen light



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10.2021

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