

Diffusion films for lighting applications

Overview

Lightup products are diffusion films, which use a special chemical coating on a polyester base to distribute the incoming light.

The task is to disperse light to produce an even illumination, while maintaining a high transmission of the available light. As a result our products optimize the energy efficiency and output of lighting systems.

Lightup is widely used in LED and CCFL illuminated lamps, lighting fixtures and in edge lighting units of LCD screens.

Our film can be combined with acrylic or glass layers inside lighting assemblies. To optimize the light output of an illumination system, Lightup is often combined with our REF-WHITE film, which reflects the available light outward.

This document lists our most popular products; other types are available on request.

Products

Lightup
75PBA

Lightup
100SXE

Lightup
100NSH

REF-WHITE
RW188

Applications

Light distribution in

- Lamp fixtures
- LED assemblies
- Light boxes
- Edge lighting
- LCD screens

Light distribution in

- Lamp fixtures
- LED assemblies
- Light boxes
- Edge lighting
- LCD screens

Light distribution in

- Lamp fixtures
- LED assemblies
- Light boxes
- Edge lighting
- LCD screens

Light reflection in

- Lamp fixtures
- LED assemblies
- Light boxes
- Edge lighting
- LCD screens

Features

Double sided diffusion coating

Antistatic

Single sided diffusion coating

Antistatic

Antiblocking layer on backside

Single sided diffusion coating

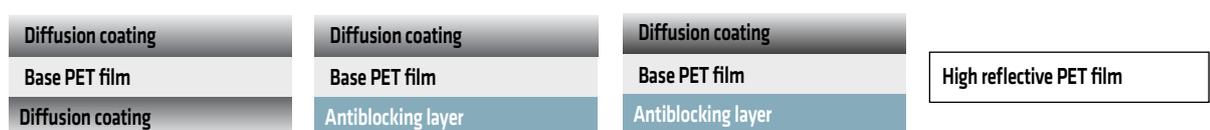
Antistatic

Antiblocking layer on backside

High reflective PET film

Reflectance:
450nm : 97%
550nm : 96%
650nm : 95%

Structure



Specifications

	Lightup 75PBA	Lightup 100SXE	Lightup 100NSH	REF-WHITE RW188
Base film	PET	PET	PET	PET
Thickness basefilm	75 Micron	100 Micron	100 Micron	188 Micron
Total thickness	100 Micron	115 Micron	115 Micron	
Transmittance	87%	99%	95%	
Haze	89.5%	89.5%	92%	
Half-value angle	19°	15°	20°	

Shown values represent measurements on specific samples

All technical data is subject to change