



Makrolon® DX Line

Flexible Approach to Your LED Luminaires

Makrolon® DX = Diffusion eXcellence

Excellent Combination of Brightness and Uniformity

Solutions



A Type for Every Taste and Emotion

High quality polycarbonate sheets for LED applications developed and produced by Bayer MaterialScience are an attractive material for all kinds of luminaires where you want to get high brightness, meaning high light efficiency of your LEDs or create fantastic atmosphere, filled up with colorful light emotions. It doesn't matter, if it's an office, a bar, a dance-floor with lights flashing to the beat of the music sound or a lounge on the airport.

The advanced diffusion technology from Bayer MaterialScience provides you with hiding power for LED hot spots but still allows plenty of light come through what results in very high but uniform brightness, even in very slim designs.

And if your customers require from you to expose the LEDs behind the diffusion sheet so that the end-users can see modern and energy efficient lighting technology, you should also reach out to Makrolon® DX. It will allow you to discretely reveal the light sources, without showing the chip, or other unwanted artifacts.

Another reason for using a polycarbonate sheet is safety – it is high impact and high temperature resistant. Therefore neither heat nor vandalism can destroy Makrolon® and affect your end-users whilst enjoying the illumination around them.

If you want to feel comfortable and safe, cover your LEDs with one of our Makrolon® DX diffuser sheets. Compared to glass or acrylic material you'll be on the safe side by using Makrolon® DX.

Ideas

Diffusion



Makrolon® DX warm

Designed to warm up your cold white LEDs

If backlit with cold white LEDs, Makrolon® DX warm gives you a visible and sensible difference in light perception. You can now apply more efficient and more cost-saving cold WLEDs and still offer nicely warm LED luminaire to your customers.

Incredibly true and crisp colors

Makrolon® DX warm ensures genuine rendering of the light coming from red, green, blue LEDs or any mix thereof. Even in places with high brightness, your colorful light design will look incredibly vivid.

Makrolon® DX Solutions

Non-reflective surface, UV-proof and more...

Makrolon® DX product range is offered in a wide variety of designs and versions, incl.:

- Non-reflective surface structure to prevent from external light reflections
- UV-proof for outdoor lighting (10 years warranty on weather resistance)

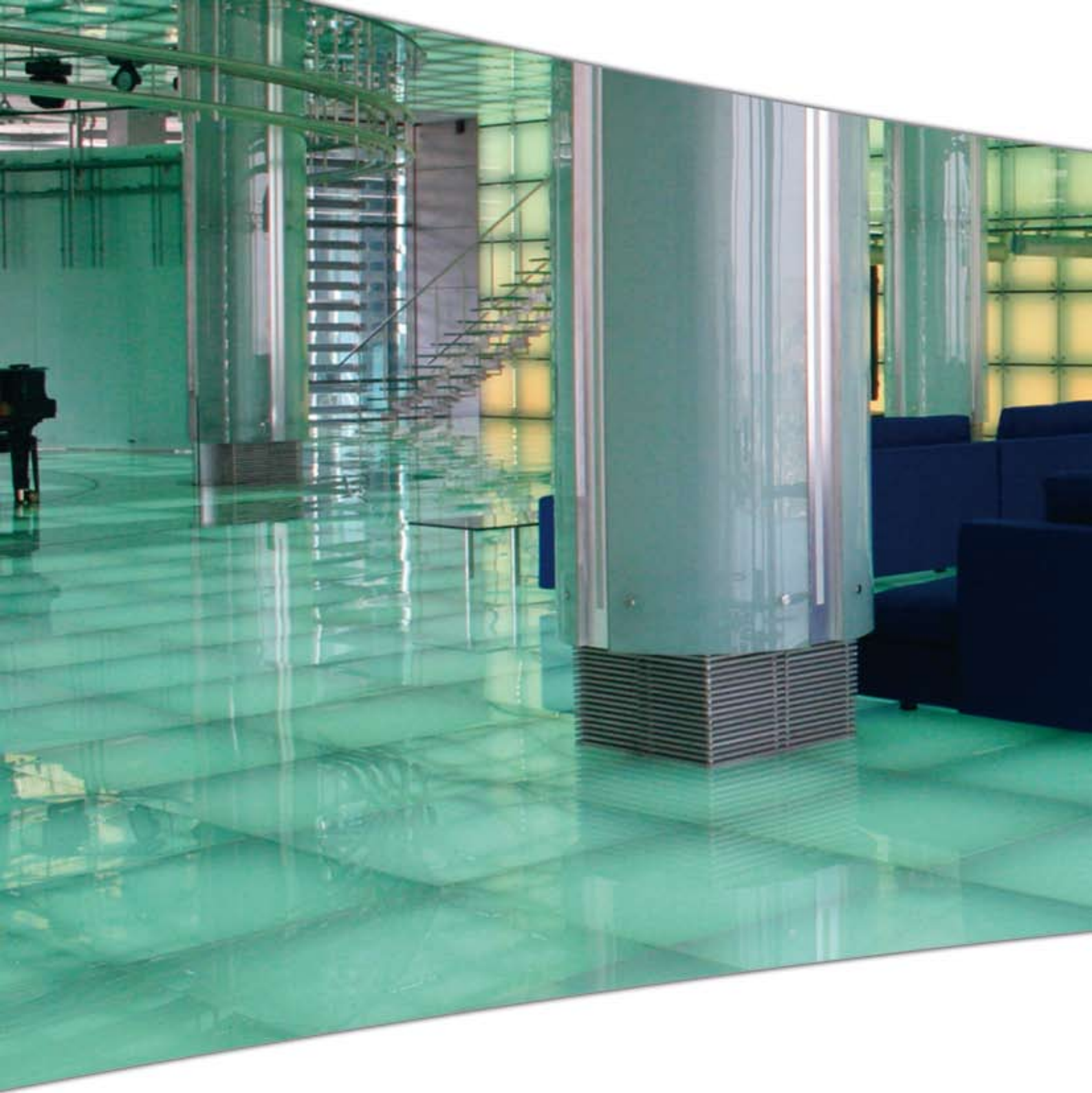
Makrolon® DX cool

Designed for to make your luminaire look bright and fresh in on or off mode

Makrolon® DX cool is an optimal diffuser sheet for all kinds of decorative LED luminaires. Moreover, Makrolon® DX cool gives your luminaire fresh and cool look, also when the LEDs are turned off.

- Hard-coating to increase scratch, abrasion and chemical resistance
- In 1,5 mm and 3,0 mm thicknesses

Upon request and volume requirements, we will be pleased to serve your demand with different combinations and dimensions.



Bayer MaterialScience

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