



MOCOM

Alcom® LDDC Light Diffusion Deep Color New way of lighting

Alcom® Light Diffusion Deep Color products combine optimal lighting properties with elegant design: During normal illumination, glossy surfaces shine with deep, saturated colors, when backlit however, illuminated colored substrate symbols/displays can become apparent; pin-sharp and without color change.

On request, selected grades with different transmissions optionally with sharp or soft backlit contour representation can be supplied. Concealed functional elements below the surface are completely hidden thanks to the optimized Alcom® LDDC products, thus enabling sophisticated surfaces from a single assembly.

With Alcom® LDDC icons, displays and buttons can be discreetly concealed and optimally illuminated, for example in the automotive interior or in consumer electrical appliances. This way optical displays are only visible when activated.

Alcom® Light Diffusion Deep Color: the advantages at a glance

- High-gloss, transmissive coloring
- Deep black or all white optic ("lacquer optic")
- Excellent luminous efficiency
- Optimal color transmission without degradation
- Refined transmission and diffusion of the back-lit symbol/display
- Soft contour or pin-sharp figure/symbol representation

Polymer / Product series	Material name	Processing	Color	Total Transmission T(Y) (d=1.0 mm, A, 2°) ISO 13468	Haze T(Y) (d=1.0 mm, Ill. A, 2°) ISO 13468	Sample applications
PC Lighting	Alcom® LDDC PC 1000 UV 17182 BK1187-17	IM	black	14 %	13 %	Black-Panel Design
	Alcom® LDDC PC 1000 UV 17183 BK1188-17	IM	black	33 %	7 %	Black-Panel Design
	Alcom® LDDC PC 1000 UV 17184 BK1189-17	IM	black	47 %	8 %	Black-Panel Design
	Alcom® LDDC PC 1000 UV 17185 BK1190-17	IM	black	11 %	95 %	Black-Panel Design
	Alcom® LDDC PC 1000 UV 17186 BK1191-17	IM	black	30 %	86 %	Black-Panel Design
	Alcom® LDDC PC 1000 UV 17187 BK1192-17	IM	black	47 %	84 %	Black-Panel Design
	Alcom® LDDC PC 1000 UV 18041 WT1078-12	IM	white	31 %	95 %	White-Panel Design
	Alcom® LDDC PC 1000 UV 18045 WT1048-18	IM	white	19 %	95 %	White-Panel Design
	Alcom® LDDC PC 1000 UV GY1078-21MC	IM	grey	35 %	95 %	Metallic effect surface
	Alcom® LDDC PC 1000 UV WT1079-21MC	IM	white	49 %	95 %	Metallic effect surface
	Alcom® LDDC PC 1000 UV RD1080-21MC	IM	red	15 %	95 %	Metallic effect surface

Additional products and information are available on request.



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