



Ridder Light Diffusion Screens (RLD 50 FR)

Product information		
Application	Inside	
Main Function	High-quality diffuse daylight, night-time energy saving	
System	Sliding and Hanging	
Composition	100% Polyester	
Pattern	2 white diffuse, 1 transparent diffuse, 1 white diffuse, 1 transparent diffuse	
Yarn	White yarns	
Flame retardant	Yes, NTA 8825:2018 NFPA 701-2015 CAN-ULC-S109 B1/DIN 4102	
Warranty	Five years under all types of greenhouse covering, see Ridder Climate Screens limited warranty.	
Mechanical properties	Value	Testing method
Screen weight	70 gr/m ²	
Width of strips	4 mm	
Physical properties	Value	Testing method
Shading level in direct light PAR*	50 %	Ridder Climate Screens method
	57 %	NEN 2675:2018
Shading level in diffused light PAR*	54 %	Ridder Climate Screens method
	62 %	NEN 2675:2018
HortiScatter	62 %	NEN 2675:2018
Energy saving*	48 %	Ridder Climate Screens method

*PAR = 400 - 700 nm, accuracy +/- 1%



When daylight is distributed better and can penetrate further into the greenhouse, this benefits the quality and consistency of the crop. In addition, diffuse and indirect light reduces the risk of leaf scorching and plant stress. This maximizes crop health, resulting in higher yields. Ridder Light-Diffusion Screens have been specially developed to distribute sunlight over the crop as efficiently as possible. In addition to better light distribution, the screen also ensures a milder climate in the greenhouse.

Many crops grown in a range of climates benefit from diffuse light. That's why our diffusion screens come in two variants, one with an open structure and one with a closed structure. This enables growers in both warm and cold climates to provide the best light for their crops.

Screentype	Material		Composition		Shading level*		NEN 2675:2018			Energy saving*	NTA Class	Weight gr/m2
	Strips	Yarn	Polyolefin	Polyester	Direct	Diffuse	Direct	Diffuse	Horti Scatter			
Ridder Light Diffusion Screens												
RLD 20 FR	PET	PET		100%	20%	32%	-	-	-	47%	1	60
RLD 30 FR	PET	PET		100%	29%	36%	37,4%	45,4%	52,8%	47%	1	64
RLD 40 FR	PET	PET		100%	41%	46%	46,2%	53,0%	56,0%	48%	1	66
RLD 50 FR	PET	PET		100%	50%	54%	57,0%	61,7%	62,3%	48%	1	70
RLD 60 FR	PET	PET		100%	60%	65%	69,0%	72,4%	70,0%	48%	1	73
RLD 30	PE	PET	56%	44%	29%	36%	-	-	-	47%	-	79
RLD 40	PE	PET	56%	44%	41%	46%	-	-	-	48%	-	80
RLD 50	PE	PET	57%	43%	50%	54%	-	-	-	48%	-	82
RLD 60	PE	PET	58%	42%	60%	65%	-	-	-	48%	-	84
Side Hanging cloth for RES, RLD & RSS cloths	Material	Length of roll	Shading level*		NEN 2675:2018			Energy saving*	NTA Class	gr/m2		
			Direct	Diffuse	Direct	Diffuse	Horti Scatter					
Ridder White FR	Polyester	± 150,00m	55%	55%	-	-	-	43%	1	195		

*According to Ridder Climate Screens