



Ridder Light Diffusion Screens Open (RLD 45 FR O)

Product information

Application	Inside
Main Function	High-quality diffuse daylight with ventilation
System	Sliding and Hanging
Composition	100% Polyester
Pattern	2 white diffuse, 1 open, 1 white diffuse, 1 open
Yarn	White yarns
Flame retardant	Yes, NTA 8825:2018
Warranty	Five years under all types of greenhouse covering, see Ridder Climate Screens limited warranty.

Mechanical properties	Value	Testing method
Screen weight	60 gr/m ²	
Width of strips	4 mm	

Physical properties	Value	Testing method
Shading level in direct light PAR*	46 %	Ridder Climate Screens method
	54 %	NEN 2675:2018
Shading level in diffused light PAR*	50 %	Ridder Climate Screens method
	57 %	NEN 2675:2018
HortiScatter	31 %	NEN 2675:2018
Energy saving*	18 %	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 Open												
RLD 15 FR O	PET	PET		100%	13%	25%	-	-	34,4%	16%	1	52
RLD 25 FR O	PET	PET		100%	26%	30%	33,5%	40,2%	32,7%	18%	1	54
RLD 35 FR O	PET	PET		100%	35%	36%	41,7%	47,4%	31,2%	18%	1	57
RLD 45 FR O	PET	PET		100%	46%	50%	53,6%	57,2%	30,8%	18%	1	60
RLD 55 FR O	PET	PET		100%	53%	56%	63,8%	66,8%	44,1%	18%	1	66
RLD 25 O	PE	PET	45%	55%	26%	30%	-	-	-	18%	-	64
RLD 35 O	PE	PET	45%	55%	35%	36%	-	-	-	18%	-	64
RLD 45 O	PE	PET	47%	53%	46%	50%	-	-	-	18%	-	65
RLD 55 O	PE	PET	52%	48%	53%	56%	-	-	-	18%	-	73
Ridder Light Diffusion Screens Open External												
RLD 45 O E	PE	PE	100%		39%	48%	-	-	-	15%	-	120
RLD 55 O E	PE	PE	100%		51%	54%	-	-	-	18%	-	140
RLD 65 O E	PE	PE	100%		60%	64%	-	-	-	20%	-	180
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