



Ridder Light Restriction Screens (RLR 99 FR W)

Product information	
Application	Inside
Main Function	For maximum light shielding
System	Sliding and Hanging
Composition	69% Polyolefin, 31% Polyester
Pattern	white black white - white black white - white black white
Yarn	Black 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	109 gr/m ²	
Width of strips	4 mm	

Physical properties	Value	Testing method
Shading level in direct light PAR*	99,5 %	Ridder Climate Screens method
Shading level in diffused light PAR*	99,5 %	Ridder Climate Screens method
Energy saving*	51 %	Ridder Climate Screens method

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



In order to prevent HPS, LED and HID supplemental lighting being emitted into the surrounding area, it is important to use a blackout screen that reduces light pollution as much as possible. The screen must also be able to withstand high temperature and humidity levels in the greenhouse. Ridder Light Restriction Screens provide a high degree of light exclusion but, at the same time, still allow sufficient heat through. The screen is made from a smart new material that ensures that excess moisture is transported away. As a result, the crop benefits from the best possible climate inside the greenhouse, and the grower complies with the strict regulations that apply to the use of supplementary lighting.

Our lightrestriction screens have a smart design, thanks to the weave of the fabrics used. This not only reduces light emissions into the surrounding environment, but also gives you greater control over the climate in your greenhouse. The reflective inner side of the screen ensures better light reflection. This leads to more even growth across the whole of your crop, so you will get the most out of the light in your greenhouse.

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 Restriction Screens												
RLR 99 FR W	PE	PET	69%	31%	99,5%	99,5%	-	-	-	51%	1	109
Side hanging cloth for RLR cloths	Material		Length of roll		Shading level*		NEN 2675:2018			Energy saving*	NTA Class	gr/m2
					Direct	Diffuse	Direct	Diffuse	Horti Scatter			
Ridder WBW FR	Polyester		50,00m & 100,00m		98,0%	98,0%	-	-	-	45%	1	255

*According to Ridder Climate Screens