



Ridder Light Diffusion Screens (RLD 40)

Product information

| | |
|-----------------|-------------------------------------------------------------------------------------------------|
| Application | Inside |
| Main Function | High-quality diffuse daylight, night-time energy saving |
| System | Sliding and Hanging |
| Composition | 56% Polyolefin, 44% Polyester |
| Pattern | 2 transparent diffuse, 1 white diffuse, 1 transparent diffuse, 1 white diffuse |
| Yarn | White yarns |
| Flame retardant | No, |
| Warranty | Five years under all types of greenhouse covering, see Ridder Climate Screens limited warranty. |

| Mechanical properties | Value | Testing method |
|-----------------------|----------------------|----------------|
| Screen weight | 80 gr/m ² | |
| Width of strips | 4 mm | |

| Physical properties | Value | Testing method |
|--------------------------------------|-------|-------------------------------|
| Shading level in direct light PAR* | 41 % | Ridder Climate Screens method |
| Shading level in diffused light PAR* | 46 % | Ridder Climate Screens method |
| 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