



Rose Knitted

BENEFITS AND KEY FUNCTIONS

- Can deliver an increase in key nutrient levels, number of flowers, and leaf size in comparison to natural light alone
- Even light provided by shade cloth delivers even crop growth:
 - Numbers and sizes of leaves¹
 - Desired stem lengths
 - In comparison to natural light, standard LED or HPS bulbs²
- 25% shade supports high amount of light needed
- Alternative to changing lighting system to replicate changes in light needs: add shade, remove shade, add rose color lights
- Round (monofilament) yarns provide high transmission without uneven diffusion - unlike tape yarns
- Shade quality
 - Made of 100% virgin high-density polyethylene (HDPE) with UV additive
 - Finished outer edges require no tape or grommets for installation
 - Will not unravel when cut
 - Life expectancy of 10 to 15 years

STANDARD AND CUSTOM OFFERINGS

Shade Factor	Color(s)	Width(s)	Put-Up	Customization Options*
25%	Red/Rose	12'	100 LY/300'	Width Put-up

**Custom options extend lead time and/or require a minimum order quantity.*

COMMON CUSTOMER QUESTIONS

Why rose color?

- Rose is a precise combination of red and blue
 - Red and Blue shade cloth supports highest light transmission to plants compared to any other color³
 - Red and Far Red can increase terpene content (nutrition, taste, aroma)
 - Blue supports creation and use of anthocyanins (plant coloring and plant ability to manage to stress)



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COMMON CUSTOMER QUESTIONS *cont.*

How does this compare to natural light?

- While natural light contains all the PAR needed for plants, the addition of rose:
 - Helps plants better absorb the available light
 - Is a proven way to increase flowers and deliver flavor

How does this compare to growing plants with HPS (High Pressure Sodium) or LED?

- Some LED and HPS bulbs can provide full PAR spectrum
 - Addition of rose color in shade cloth or as a bulb helps plants absorb available PAR while getting additional benefits that come from the combination of red, blue and far red.

I bought knitted from someone else, the color faded and then it fell apart, how is yours different?

- Some companies use recycled UV resin. We require first use only resin.
- Our fabric has enough UV protection for the hottest, sunniest areas in the US to be sure our products last

ACADIAN
INDUSTRIAL TEXTILES

Cited articles:

¹ Park, Yujin and Runkle, Eric, 2017 'Far Red Radiation Promotes Growth of Seedlings by Increasing Leaf Expansion and Whole Plant Assimilation', Environmental and Experimental Botany (Volume 155, Nov 2018 pages 206-216)

² Morello, Victorio, 2022 'Light Quality Impacts Vertical Growth Rate, Phytochemical Yield and Cannaboid Production Efficiency in Cannabis Sativa', Plants 2022 11(21), 2982

³ Stamps, Robert H., 2009 'Use of Colored Shade Netting in Horticulture' American Society for Horticultural Science (Apr 2009 pages 239-241) Accessed Dec 2023