

FLEXSTAR

# REDLINE

SPECTUNE

# ↘ SERIES

Flexstar's new generation LED grow light.



A New Line of  
Engineering Excellence

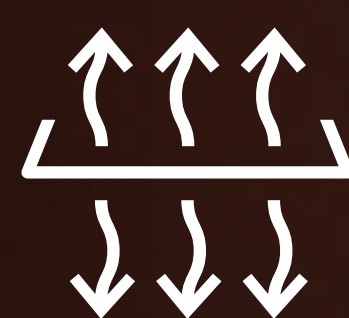
2025  
NEW RELEASE

# Liquid Optics System

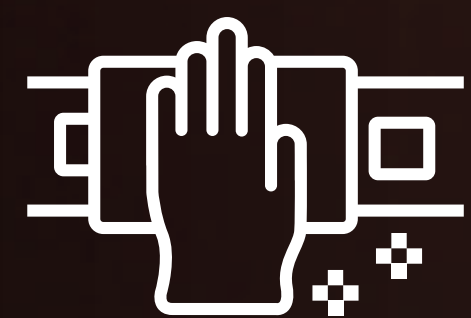
Meet Redline — Flexstar's next-generation LED grow light engineered for professionals. Featuring our patented **Liquid Optics System**, Redline delivers 14% more PPFD, while its bidirectional silicone-gel cooling lowers LED temperatures by 5–8°C to sustain over five years of peak performance. A fully sealed, wipe-clean lens keeps the system dust-free and maintenance-friendly. Built to grow more, last longer, and redefine what's possible in commercial cultivation.

14%

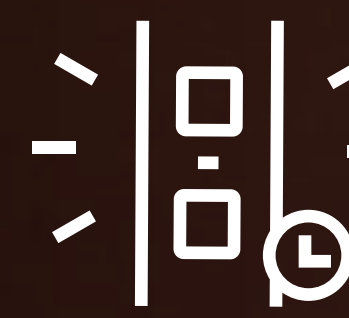
More PPFD



Bidirectional Cooling

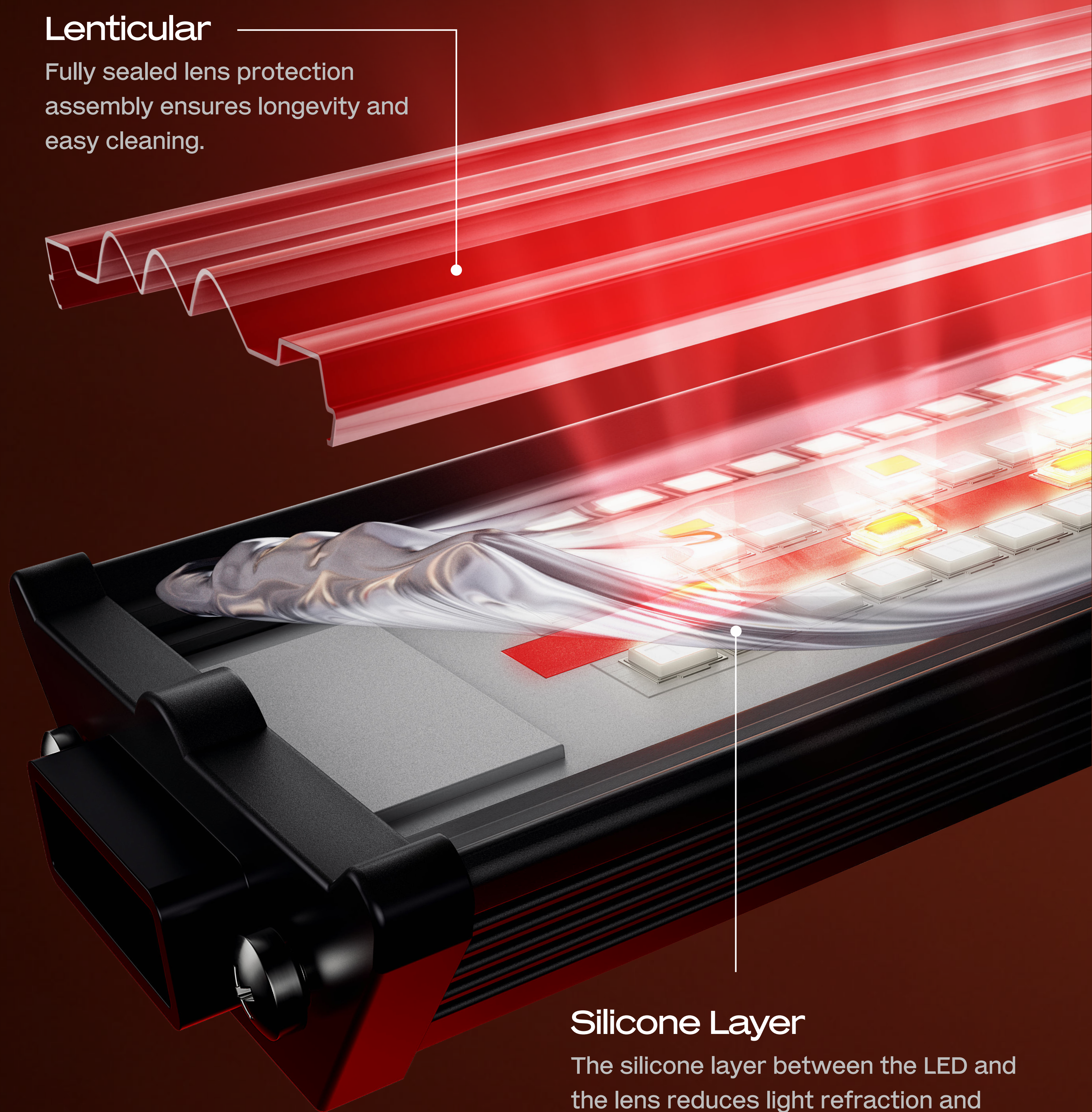


Wipe-and-Go Protection



Extended LED Lifespan

**Lenticular**  
Fully sealed lens protection assembly ensures longevity and easy cleaning.



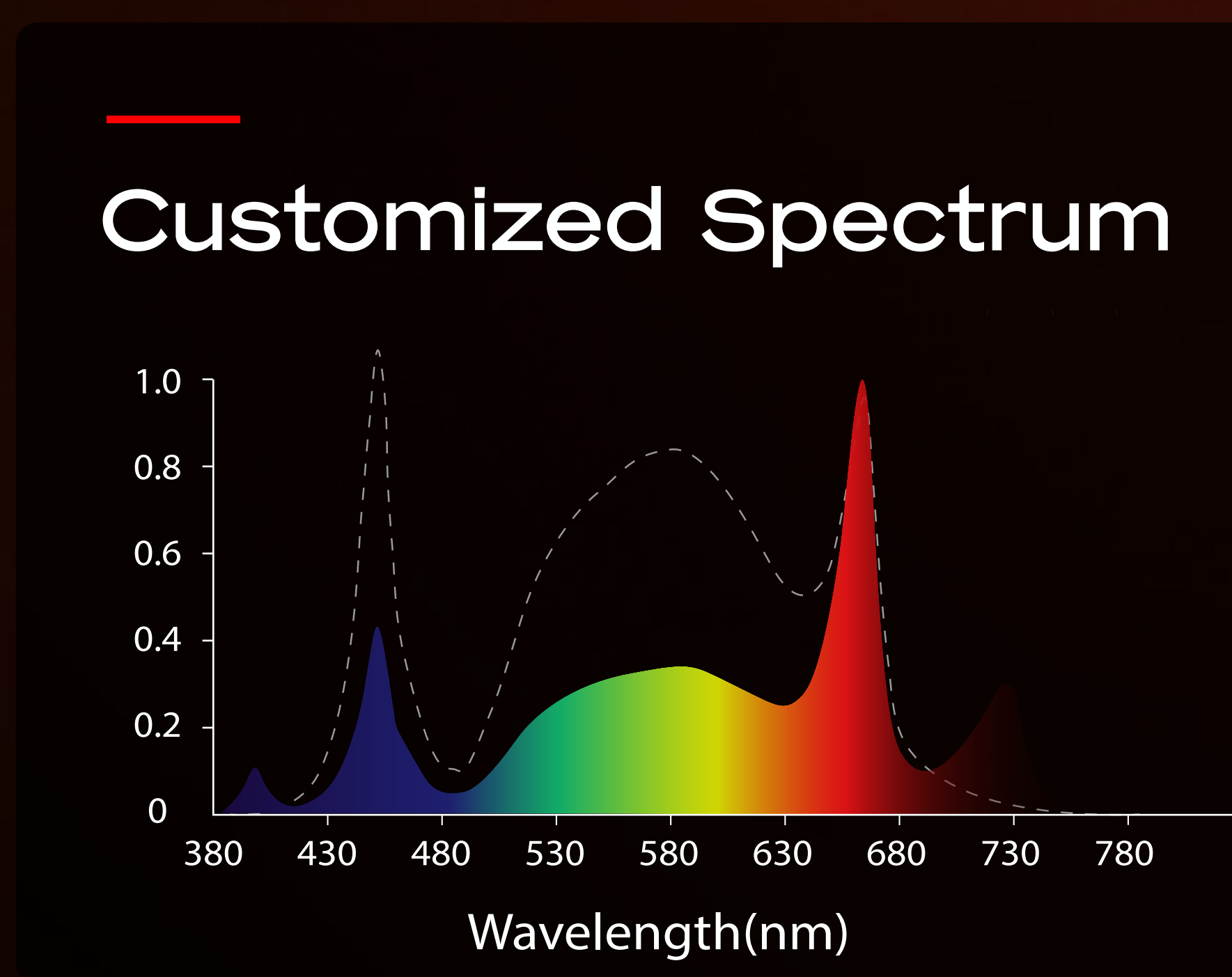
**Silicone Layer**

The silicone layer between the LED and the lens reduces light refraction and ensures virtually no wasted output.



Maximum Yields

Redline maximizes every watt, delivering industry-leading efficiency and unparalleled light output for higher yields



Optimize every stage of the plant by controlling the spectrum for superior quality



Durability Redefined

Sanitize, wash, and maintain your grow room without ever interrupting your grow

Model	Input Voltage	Input Power	PPE Main Spectrum	PPF 400-700nm	BPE Broadband Spectrum	BPF 380-800nm	Bar Type	Product Dimensions	Coverage
Redline 760W ST	120-277V	760W (Main 645W+FR 75W+UV 40W)	3.2 $\mu\text{mol}/\text{J}$	2060 $\mu\text{mol}/\text{S}$	3.1 $\mu\text{mol}/\text{J}$	2320 $\mu\text{mol}/\text{S}$	6-bar	44.5"L x 44.5"W x 2.2"H 112.8 x 112.8 x 5.5cm	4 x 4ft
Redline 1000W ST	120-277V	1000W (Main 840W+FR 105W+UV 55W)	3.2 $\mu\text{mol}/\text{J}$	2680 $\mu\text{mol}/\text{S}$	3.1 $\mu\text{mol}/\text{J}$	2900 $\mu\text{mol}/\text{S}$	8-bar	44.5"L x 44.5"W x 2.2"H 112.8 x 112.8 x 5.5cm	4 x 4ft
Redline 1200W ST XL	120-277V	1200W (Main 1000W+FR 140W+UV 60W)	3.2 $\mu\text{mol}/\text{J}$	3200 $\mu\text{mol}/\text{S}$	3.1 $\mu\text{mol}/\text{J}$	3480 $\mu\text{mol}/\text{S}$	10-bar	44.5"L x 66.1"W x 2.2"H 112.8 x 167.8 x 5.5cm	4 x 6ft

Ready to grow with Redline?  
Visit [flex-star.com](http://flex-star.com) or contact us at [sales@flex-star.com](mailto:sales@flex-star.com)