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eldoLED  
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## Lights on!

### ENERGY STAR® and CA Title 24 start time performance

Recent updates to the ENERGY STAR and CA Title 24 standards have resulted in stricter requirements on the start-up performance of indoor LED luminaires. LED luminaires that need to comply with both standards may have to meet different start-up profiles, depending on the type of LED driver that is used.

Single channel 0-10V downlight LED drivers from eldoLED, which, by design, include an aesthetic fade-in feature, do comply with the combined start-up requirements imposed by ENERGY STAR and CA Title 24.

### ENERGY STAR and CA Title 24 compliant eldoLED drivers

The 0-10V, single-channel eldoLED drivers that are ENERGY STAR and CA Title 24 compliant include:

- [ECOdrive 161/B](#) and [161/S](#)
- [ECOdrive 261/B](#) and [261/S](#)



- [ECOdrive 361/B](#) and [361/S](#)
- [ECOdrive 561/B](#) and [561/S](#)
- [SOLOdrive 161/B](#) and [161/S](#)
- [SOLOdrive 261/B](#) and [261/S](#)
- [SOLOdrive 361/B](#) and [361/S](#)
- [SOLOdrive 564/B](#)

For more information, visit our Learning Center and download the [white paper](#) on start-up requirements for LED luminaires.

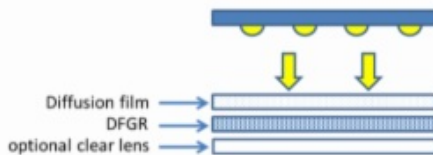


## WhiteOptics® Glare Reduction Film

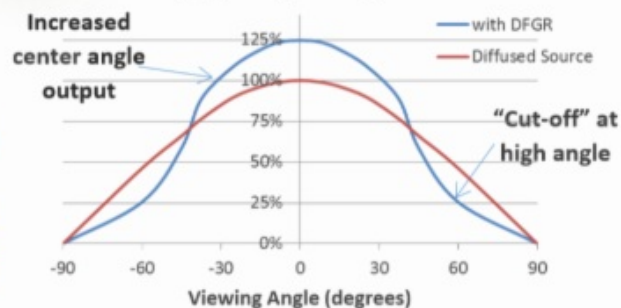
### Product Data Sheet

- Product Code:** DFGR
- Description:** Micro-embossed, conical prismatic film providing efficient light cut-off for angles over 60 degrees while increasing on-axis intensity.
- Applications:** For glare reduction in direct-lit troffers, light guide panels and downlights. Works well combined with WhiteOptics® DF micro-lens diffusion film and most diffusor materials
- Options:** Available in roll, pre-cut sheets, and custom die-cut parts. Also available on Acrylic, PC, and glass substrates.

**Glare Control with High Efficiency and LED Diffusion in Direct-lit Applications**



**Glare Control Film Effect on Viewing Angle for Diffused Light Source**



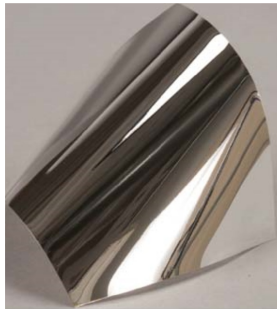
Specification			
<b>Substrate</b>	PET	<b>Optical Efficiency*</b>	90 to 94%
<b>Width</b>	Up to 24" (610mm)	<b>Appearance</b>	1.1mm prismatic
<b>Thickness</b>	0.005" (127µm)	<b>Max temperature</b>	212° F (100° C)

\* Achievable optical utilization for LED emitters in 1" (25mm) deep optical cavity lined with WhiteOptics F16 White98® film and WhiteOptics DFGR used as lens. Results will vary depending on geometrical design and emitter type.



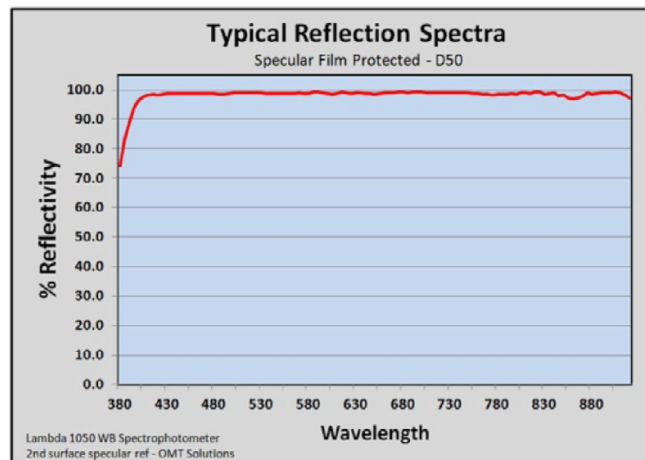
## 3M Specular Films

### Key Attributes



- Superior Specular Reflectivity at >98.5%
- Easy to die cut
- UV and high intensity LED irradiance stability
- Nonconductive 100% polymeric film
- Available with or without adhesive
- Significantly increased lifetime in high intensity LED light engines
- Protective coating allows for mild cleaning

### Typical Normal Angle Spectral Response (SFP-D50)



[Learn more about TSG](#)

Please forward quote requests and orders to: [orders@oemlightingsales.com](mailto:orders@oemlightingsales.com)

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