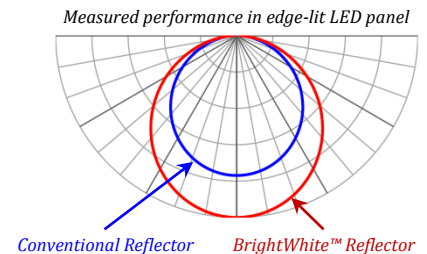


## BrightWhite™ Diffuse Reflector

*Ultra-high Reflectivity Increases Luminaire Efficiency*

BrightWhite diffuse white reflectors provide ultra-high reflectivity for use in lighting, illumination, displays, and signage. Luminaires lined with BrightWhite™ reflectors can provide up to 30% more light output than those lined with white paint, solder mask, or powder coat.

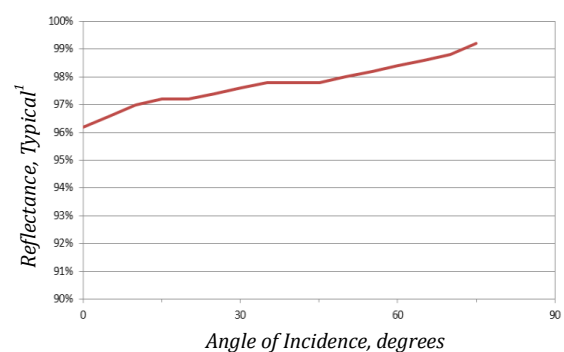
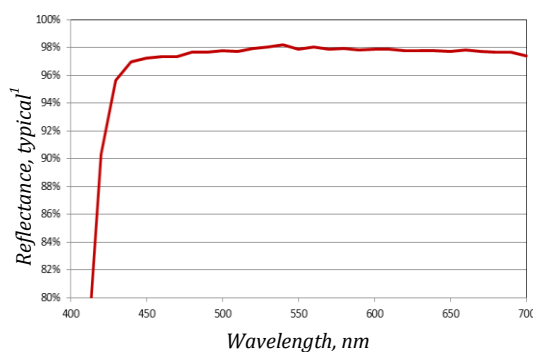
BrightWhite™ reflectors are available as a film, with or without adhesive. They are easily and cleanly cut using laser, die, shear, or blade cutters. Shapes can be created with standard thermoforming techniques to line the interior surfaces of luminaires. Metal versions are compatible with shear, punch, roll, and other standard sheet metal processes. For further information, please contact [sales@brightviewtech.com](mailto:sales@brightviewtech.com).



BrightWhite™ White Reflector Materials				
Product	Form	Thickness, mm (inch)	Typical Reflectivity <sup>1</sup>	Part Number
BrightWhite 98™	Film	0.28 (.011)	> 97.5%	R-MG98-xx10-AD00
BrightWhite 98™	Film with Adhesive and Liner	0.33 (.013)	> 97.5%	R-MG98-xx10-AD01
BrightWhite 98™	Thermoformable Film	0.41 (.016)	> 97.5%	R-MG98-xx15-AD00
BrightWhite 97™	Thin Film	0.18 (.007)	> 97.0%	R-MG97-xx06-AD00
BrightWhite 97™	Thin Film with Adhesive and Liner	0.23 (.009)	> 97.0%	R-MG97-xx06-AD01
BrightWhite Metal	Aluminum or Steel Sheet/Coil	various	> 97.0%	Call your BrightWhite sales representative

Available with an easily-removable protective masking film.

Available Width	Continuous rolls up to 52 inches wide, with optional adhesive and removable liner
Available form factors	Roll, sheet, metal coil, cut part, thermoformed shapes



## **Environmental Data**

Bright View's BrightWhite™ reflectors maintain performance over a wide range of conditions. They have been thoroughly tested to the following criteria.

Test	Conditions
UV weatherability	Does not discolor with exposure to ultraviolet light Less than 0.5% reflectance change after 2.4 MJ/m <sup>2</sup> of UVA at 60°C <sup>1</sup>
Thermal Stability	Less than 0.5% reflectance change after 1000 hours exposure to 80°C <sup>2</sup>
Humidity Stability	Less than 0.5% reflectance change after 1000 hours exposure to 60°C and 95% RH <sup>3</sup>
Cleaning	Water and gentle detergent recommended. Tolerates general household cleaners containing chlorine and ammonia cleaning agents.
Mechanical	Easily cut, folded, thermoformed, etc. Inquire for details.

<sup>1</sup>Tests have now exceed 2.5 times the dose of this initial goal.

<sup>2</sup>Tests have now exceeded 2.5 times the exposure time of this initial goal.

<sup>3</sup>Tests have now exceeded 7 times the exposure time of this initial goal.

## **Form Factors and Converting**

### **Roll and Sheet**

BrightWhite™ white reflectors are available in roll and sheet form, up to 52 inch width. Available with removable protective masking film. Also available with adhesive and easily-removable liner.

### **Cut Parts**

BrightWhite™ reflectors are easily cut by standard methods, and leave clean edges with no fraying. Bright View can provide BrightWhite™ reflectors precisely cut to customer drawings, or can work with your preferred converter.

### **Thermoformed Parts**

BrightWhite™ reflectors can be easily thermoformed into 3D shapes using standard processes and equipment. Thicker grades are offered specifically for thermoforming. Bright View can directly supply formed parts or provide process parameters to customers' preferred converter/thermoformer.

### **Metals**

BrightWhite™ reflectors are available on steel or aluminum, and are readily formable using industry-standard processes.

### **Usage Notes:**

- White reflectors can increase the output of light fixtures by up to 30% when installed properly
- Reflectors are most effective when combined with high-efficiency diffusers, such as Bright View diffusers
- For best performance, cover all interior surfaces of the luminaire with reflector and avoid creating narrow corners or overlaps that could serve as "light traps"
- For best performance, angle the sides of the reflector outward toward the diffuser

This is not a specification. Values are typical and are subject to change without notice.