

BRIGHTVIEW
TECHNOLOGIES

DESIGN BRILLIANCE MEETS
VISUAL INTELLIGENCE™

BrightWhite™ Diffuse Reflector

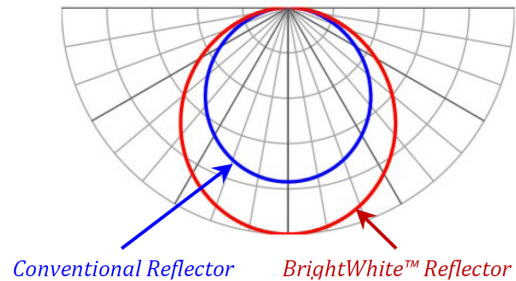
Ultra-high Reflectivity Increases Luminaire Efficiency

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 other materials.

BrightWhite™ reflectors are available as a film, tape, or laminated to metal. 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.



Measured performance in edge-lit LED panel



Conventional Reflector

BrightWhite™ Reflector

BrightWhite™ White Reflector Materials

Product	Form	Typical Thickness	Typical Reflectivity	Part Number
BrightWhite™ Film	Thin Film	0.19mm / .007in	98%	R-MG98-xx06-AD00
	Thin Film with Adhesive and Liner	0.23mm / .009in	98%	R-MG98-xx06-AD01
	Thermoformable Film	0.41mm / .016in	98%	R-MG98-xx15-AD00
BrightWhite™ Metal	Aluminum or Steel Sheet/Coil	various	98%	Call your BrightWhite™ Sales Representative

Available Width	Continuous rolls up to 50" wide, with optional adhesive and removable liner
Form Factors	Roll, sheet, metal coil, cut part, thermoformed shapes
Masking	Available with an easily-removable protective masking film. Many customers elect to operate with no masking due to the durability and cleanability of the film. (Masking has a 6-month shelf life from ship date)

Film Environmental Data

Test	Conditions
UV Weatherability	Displays no discoloration from exposure to UV light. Less than 0.5% reflectance change after 2.4MJ/m ² of UVA at 60°C
Thermal Stability	Less than 0.5% reflectance change after 1000 hours exposure to 80°C
Humidity Stability	Less than 0.5% reflectance change after 1000 hours exposure to 60°C and 95% RH
Cleaning	Water and gentle detergent recommended. Tolerates general household cleaners containing chlorine or ammonia cleaning agents.
Mechanical	Easily cut, folded, thermoformed, etc. Inquire for details.

Form Factors and Converting

Reflective Tape	BrightWhite™ reflectors are available with an adhesive liner, custom widths available.
Roll and Sheet	BrightWhite™ reflectors are available in roll and sheet form, up to 50" wide. Available with protective masking film. Also available with adhesive and easily-removed liner.
Cut Parts	BrightWhite™ reflectors are easily cut by standard methods, and leave clean edges with no fraying. BrightView 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. BrightView can 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.

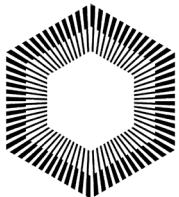
Usage Notes:

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

ABOUT BRIGHTVIEW

BrightView specializes in the highest-performing visual and optical solutions for advanced technology applications. We rapidly create, collaborate, and construct the world's most intelligent visual solutions, unlocking an unmatched level of performance across a range of emerging technologies.

BrightView is an ISO 9001:2015 certified organization by Advantage International Registrar, Inc.



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Web: www.brightviewtech.com
Email: sales@brightviewtech.com
Tel: +1-919-228-4370