

BRIGHTVIEW
TECHNOLOGIES

DESIGN BRILLIANCE MEETS
VISUAL INTELLIGENCE™

Beam Mixing Diffusers

M-Series for Downlight, Spot, and Flood Applications

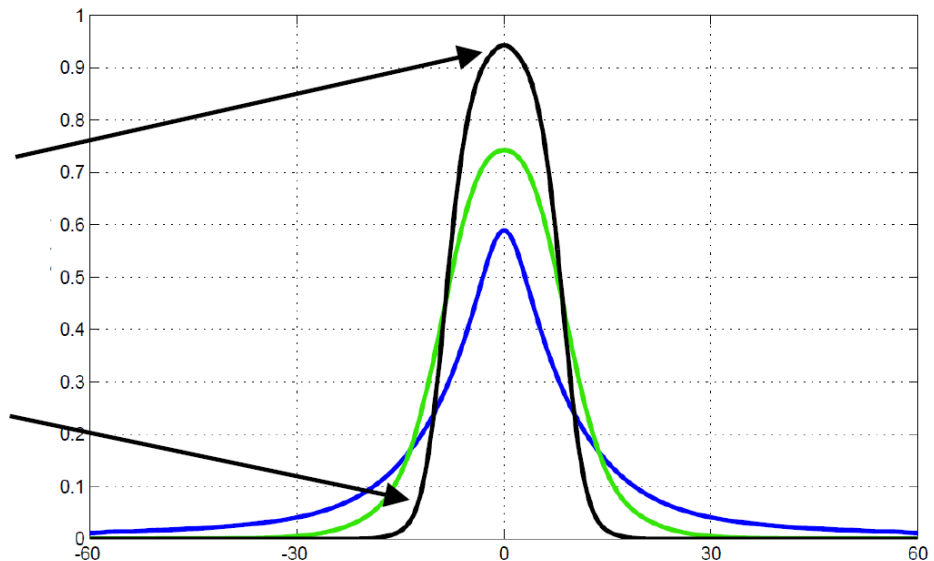





M-Series diffusers are used in spot and narrow flood lighting to smooth beam artifacts caused by parabolic, Fresnel, or TIR lens collimators without significant broadening. The unique mixing design provides superior far-field smoothing and color mixing with high on-axis brightness. Compared with traditional diffusers, M-Series diffusers maintain higher central beam candlepower (CBCP), and produce less undesirable “field light” at higher angles.

See also S-Series (Textured) Diffusion Lenses from BrightView.

Preserve high center-beam candlepower

Reduce undesired light at higher angles



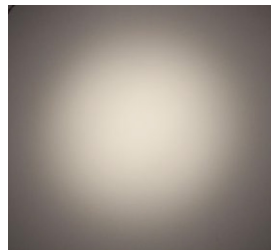
-  C-Series Microstructured Diffuser
-  Volumetric Diffuser
-  M-Series Mixing Diffuser

Products

Product	Typical Transmission (narrow collimated light)	Use for Lights with Angles in the Range of	Comments
M-PR01	90 - 96 %	0° - 20°	Provides smooth spot on work surface with minimal widening and minimal brightness penalty.
M-PR03	90 - 96 %	0° - 20°	
M-PR04	90 - 96 %	0° - 20°	
M-PR05	90 - 96 %	8° - 20°	
M-PR10	89 - 95 %	15° - 30°	
M-PR15	88 - 94 %	20° - 50°	



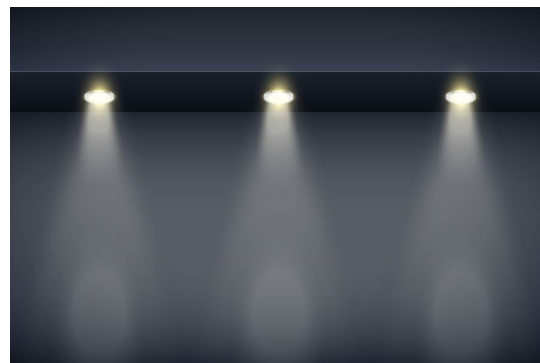
Spot From Collimated Light
(no diffuser)



Collimated Light with
M-Series Mixing Diffuser

Usage Notes:

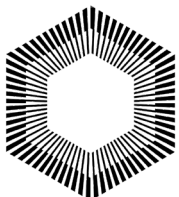
- BrightView recommends using the microstructures facing *toward* the LEDs or lamps. M-Series diffusers may be used in either orientation.
- Choose the minimum-strength M-Series diffuser that provides the needed smoothing.
- M-Series diffusers do not have focusing power. They are designed for use in conjunction with parabolic, Fresnel, TIR, or other collimation optics.
- BrightView applications engineers can assist with product choices and help your design achieve peak performance.



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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