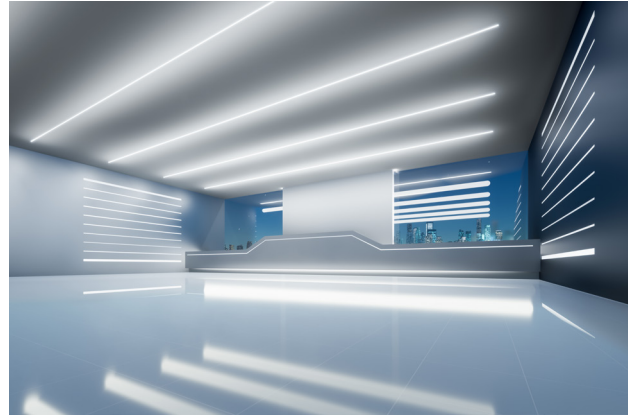




# High-Efficiency Diffusers

## C-Series High Performance Diffusers

C-Series diffusers efficiently hide lamps and provide smooth illumination in both LED and fluorescent applications. They provide excellent depixelation, angle control, color mixing, and color uniformity. An applications engineer will be happy to help select the correct product for your application.



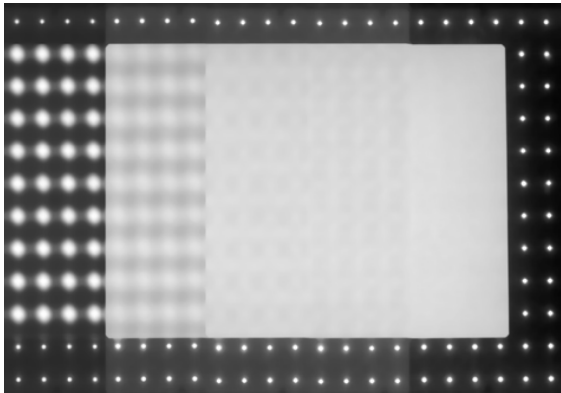
### Standard Single-side Diffusers (C-HE): The Industry Standard for Efficiency

Product	Distance for total LED hiding (Distance between lamps : Working distance to diffuser)	Diffuser Strength (in degrees)	Comments
C-HE05		93 - 96 %	<p>Diffusers toward the top of this table have high efficiency, and are used for softening LED images and smoothing light distributions</p> <p style="text-align: center;"> <i>Higher Efficiency</i>   <i>More Hiding</i> </p> <p>Diffusers toward the bottom of this table are used when strong, smooth hiding of LED sources is desired</p>
C-HE10		93 - 96 %	
C-HE15	1 : 4	93 - 96 %	
C-HE20	1 : 3.5	92 - 96 %	
C-HE30	1 : 2.5	91 - 95 %	
C-HE40	1 : 2.3	90 - 94 %	
C-HE55	1 : 2	89 - 93 %	
C-HE80	1 : 1.5	88 - 92 %	
C-HE90	1 : 1.3	87 - 92 %	

\*See next page for our C-HH Double Sided Diffusers for improved hiding

## New High Hiding Double-Sided Diffusers (C-HH): Improved Efficiency and Hiding

Product	Distance for total LED hiding (Distance between lamps : Working distance to diffuser)	Diffuser Strength (in degrees)	Comments
C-HH20	1 : 2.5	93 - 97 %	C-HH Series diffusers have a special double-sided coating that gives them stronger LED hiding and typically provides greater efficiency than their C-HE counterparts above. As above, higher numbers in the part number indicate increased amounts of diffusion and LED hiding.
C-HH30	1 : 2.3	92 - 96 %	
C-HH40	1 : 2	91 - 95 %	
C-HH55	1 : 1.5	90 - 94 %	
C-HH80	1 : 1	89 - 93 %	
C-HH90	1 : .85	88 - 93 %	



*C-Series diffuser at different distances from LED array*

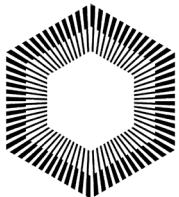
### Usage Notes:

- Choose the highest efficiency diffuser that meets your lamp-hiding goals.
- C-Series diffusers are directional and are generally used with the microstructures facing away from the LEDs or lamps when LED hiding is desired; we recommend trying both orientations.
- When used for LED hiding (the microstructured side facing away from the LEDs), C-HH diffusers are recommended and provide best efficiency. When used for beam spreading (the microstructured side facing toward LEDs), C-HE diffusers are recommended and have best efficiency.
- 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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