

APPLICATION NOTE

Diffusion Angles

Angle management table for Bright View Diffusers



For help selecting the optimum diffuser for your application please contact sales@brightviewtech.com.

C-Series Diffuser

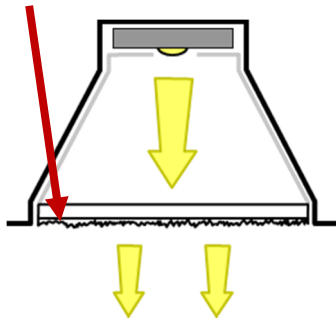
M-Series

	C-HE05	C-HE10	C-HE15	C-HE20	C-HE30	C-HE40	C-HE55	C-HE80	M-PR10	M-PR15	
Source Angle											
3	5.7 / 5.6	9.6 / 9.8	14.2 / 15.0	18.3 / 20.2	25 / 30	30 / 41	32 / 58	33 / 72	8.9 / 9.0	14.5 / 14.9	
5	7.3 / 7.3	10.8 / 11.1	15.0 / 16.0	18.9 / 20.9	25 / 30	30 / 41	33 / 59	34 / 73	9.8 / 9.9	14.6 / 15.0	
10	11.6 / 11.7	14.1 / 14.5	17.4 / 18.5	21 / 23	26 / 32	31 / 43	35 / 62	36 / 76	12.4 / 12.6	15.4 / 16.0	
15	16.0 / 16.1	17.7 / 18.2	20 / 21	23 / 25	28 / 35	32 / 46	36 / 65	38 / 80	16.2 / 16.4	17.9 / 18.4	
20	21 / 21	22 / 22	24 / 25	26 / 29	30 / 37	33 / 48	38 / 69	39 / 83	21 / 21	22 / 22	
25	25 / 25	26 / 27	27 / 29	29 / 32	32 / 40	35 / 52	39 / 73	41 / 88	26 / 26	27 / 27	
30	30 / 30	31 / 31	32 / 33	33 / 36	35 / 44	37 / 55	40 / 77	42 / 92	31 / 31	31 / 32	
35	35 / 35	35 / 36	36 / 37	37 / 40	38 / 47	40 / 59	42 / 81	43 / 96	36 / 36	36 / 36	
40	40 / 40	40 / 40	40 / 42	41 / 44	41 / 51	42 / 63	44 / 86	45 / 101	40 / 40	40 / 41	
45	45 / 45	45 / 45	45 / 46	45 / 48	45 / 55	46 / 67	47 / 91	47 / 105	45 / 45	45 / 45	
50	50 / 50	50 / 50	50 / 51	50 / 53	49 / 59	49 / 72	49 / 95	49 / 109	50 / 50	50 / 50	
60	60 / 60	60 / 60	59 / 60	59 / 62	57 / 68	56 / 81	55 / 104	54 / 117	60 / 60	60 / 60	
70	70 / 69	69 / 69	68 / 69	67 / 69	64 / 75	62 / 88	59 / 110	58 / 122	70 / 70	70 / 70	
80	79 / 78	78 / 77	76 / 77	75 / 77	71 / 82	68 / 94	64 / 115	62 / 125	80 / 80	79 / 79	
90	88 / 87	86 / 86	85 / 85	82 / 85	78 / 88	74 / 99	69 / 118	67 / 126	89 / 89	87 / 87	
100	97 / 96	95 / 94	93 / 92	90 / 92	85 / 95	81 / 105	74 / 121	72 / 127	98 / 97	96 / 94	
110	106 / 105	103 / 102	101 / 100	98 / 99	93 / 102	87 / 110	80 / 123	77 / 127	106 / 105	103 / 102	
120	115 / 114	112 / 110	109 / 108	106 / 106	100 / 108	94	115	86 / 124	82 / 127	114 / 112	111 / 109

First number is **source-hiding** mode.

Best for hiding LEDs

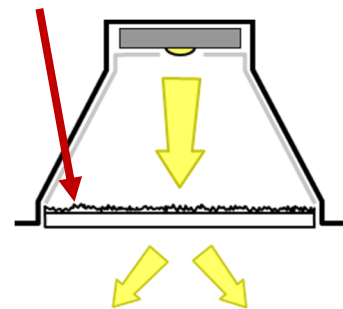
Microstructure Faces Outward



Second number is **angle-spreading** mode

Best for controlling spot/flood angles

Microstructure Faces Inward



Angles are Full Width at Half Maximum intensity (FWHM) and were measured using smooth (gaussian-like) light sources. Angles can vary significantly depending on the specific nature of the light source. Angle Data are typical and are not a specification.