See all 2 Products in Family

Large Angle Flat Top Holographic Diffuser Set

Flat Top Holographic Diffuser Sets

Stock **#20-262** **2 In Stock**

- 1 + **£464**.00

ADD TO CART

Volume Pricing	
Qty 1+	**£464.00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Flat Top Diffuser

Physical & Mechanical Properties

Clear Aperture CA (mm):
10 x 10

Dimensions (mm):
87.4 x 66.7

Thickness (mm):

1.59

Optical Properties

Diffusing Angle (°):

A: 30 x 16, Rectangular
B: 60 x 45, Rectangular
C: 11, Square
D: 30, Square
E: 32 x 0, Linear
F: 65 x 0, Linear
G: 21, Circular
H: 43, Circular

Substrate:

Polycarbonate

Transmission (%):

>85

Wavelength Range (nm):

400 - 700

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 247:

Compliant

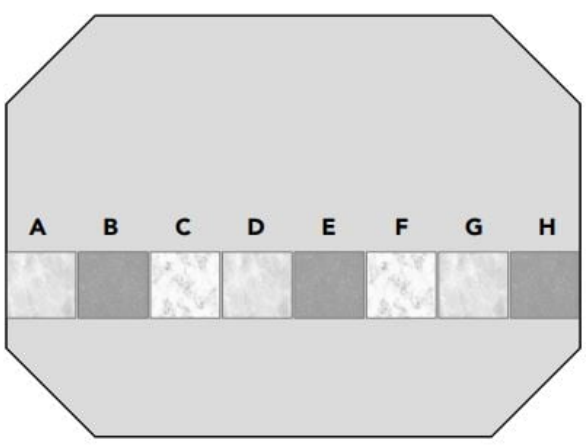
Product Details

- 8 Diffusion Angles Per Set
- Homogenized, Flat Top Output Profile
- Small and Large Angle Diffusion Sets Available

Flat Top Holographic Diffuser Sets shape input beams to have non-Gaussian, flat top output profiles in circular, square, rectangular, and linear beam patterns. These sets feature eight 10 x 10mm active areas on a single substrate, each with a different diffusion shape and angle. A small angle set, with diffusion angles from 1 - 10°, and a large angle set, with diffusion angles from 11 - 65° are available. Flat Top Holographic Diffuser Sets are ideal for use in machine vision, LiDAR, heads up displays (HUDs), and 3D sensing applications to produce illumination with even intensity.

Unlike many holographic elements, these specific polycarbonate components transmit light in both the visible and near-infrared. Zero order, or a specular component, of transmitted light is less than 1% for visible wavelengths, but may be higher if these diffusers are used at wavelengths >700nm.

Technical Information



Active Area	**Output Shape**	**Diffusion Angle (°)**
A	Circular	1
B		3
C		5
D		9
E	Square	1
F		3
G		5
H		10

Active Area	**Output Shape**	**Diffusion Angle (°)**
A	Rectangular	30 x 16
B		60 x 45

C	Square	11
D		30
E	Linear	32 x 0
F		65 x 0
G	Circular	21
H		43

;