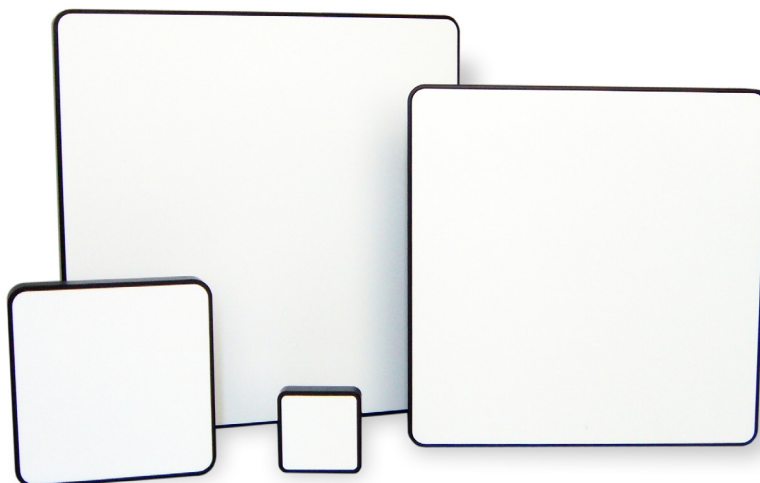


Spectralon® Diffuse Reflectance Targets

Durable reflectance panels for laboratory and field applications under harsh conditions



Durable

Spectralon targets are ideal for laboratory, production and field applications that require long exposure to harsh environmental conditions. Because of the diffuse reflectance properties of Spectralon, these targets maintain a constant contrast over a wide range of lighting conditions.

Stable

All Spectralon targets are thermally and chemically stable and easily cleaned. Targets are available in plates up to 24 x 24 inch white or gray material, mounted in a rugged anodized aluminum frame. Calibration data from 250 to 2500 nm, every 50 nm is supplied with the targets and is traceable to the National Institute of Standards and Technology (NIST). Custom targets of various reflectance values are also available up to 3 m x 3 m.

Value

- Durable and washable
- Various reflectance values available
- Impervious to harsh environments
- Thermally and chemically stable

Applications

- Backlight illuminators
- Environmental test targets
- Laser targets
- Optical reflectors
- Remote sensing targets
- Proximity sensors
- Light/sensor compensation

Typical 8° Hemispherical Reflectance SRM-990

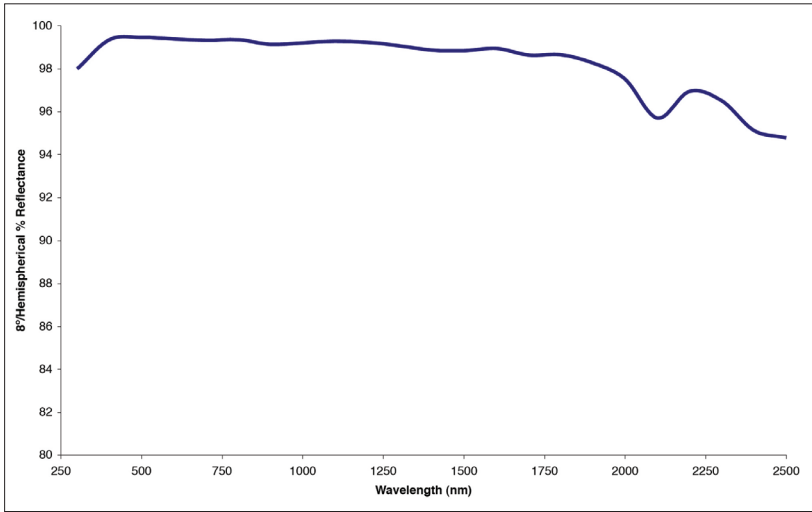


TABLE 1:
Corrected Reflectance Values for 99% Spectralon Targets

Wavelength Range (nm)	8°/Hemispherical Spectral Reflectance Values
250	0.900
300	0.925
350	0.975 - 0.995
500 - 700	0.985 - 0.995
750 - 1600	0.975 - 0.995
1650 - 2500	0.925

TABLE 2:
Acceptable 8°/Hemispherical Corrected Reflectance Factors for Gray Spectralon Targets

Nominal Reflectance	Tolerance at 600 nm	Flatness Range over 350 - 760 nm
2 - 5%	± 2%	± 4%
6 - 19%	± 3%	± 5%
20 - 95%	± 5%	± 5%

Specifications

Refer to Tables 1 & 2 for Tolerances

Model Number	Order Number	Nominal Reflectance Value	Reflective Area (inches)	Size Mounted (L x W x H inches)
SRT-02-020	AA-00823-900	2%	2 x 2	2.25 x 2.25 x 0.65
SRT-02-050	AA-00821-900	2%	5 x 5	5.25 x 5.25 x 0.65
SRT-02-100	AA-00822-900	2%	10 x 10	10.25 x 10.25 x 0.65
SRT-05-020	AA-00823-800	5%	2 x 2	2.25 x 2.25 x 0.65
SRT-05-050	AA-00821-800	5%	5 x 5	5.25 x 5.25 x 0.65
SRT-05-100	AA-00822-800	5%	10 x 10	10.25 x 10.25 x 0.65
SRT-10-020	AA-00823-700	10%	2 x 2	2.25 x 2.25 x 0.65
SRT-10-050	AA-00821-700	10%	5 x 5	5.25 x 5.25 x 0.65
SRT-10-100	AA-00822-700	10%	10 x 10	10.25 x 10.25 x 0.65
SRT-20-020	AA-00823-600	20%	2 x 2	2.25 x 2.25 x 0.65
SRT-20-050	AA-00821-600	20%	5 x 5	5.25 x 5.25 x 0.65
SRT-20-100	AA-00822-600	20%	10 x 10	10.25 x 10.25 x 0.65
SRT-40-020	AA-00823-500	40%	2 x 2	2.25 x 2.25 x 0.65
SRT-40-050	AA-00821-500	40%	5 x 5	5.25 x 5.25 x 0.65
SRT-40-100	AA-00822-500	40%	10 x 10	10.25 x 10.25 x 0.65
SRT-50-020	AA-00823-400	50%	2 x 2	2.25 x 2.25 x 0.65
SRT-50-050	AA-00821-400	50%	5 x 5	5.25 x 5.25 x 0.65
SRT-50-100	AA-00822-400	50%	10 x 10	10.25 x 10.25 x 0.65
SRT-50-120	AA-00827-400	50%	12 x 12	12.25 x 12.25 x 0.65
SRT-50-180	AA-00826-400	50%	18 x 18	18.25 x 18.25 x 0.65
SRT-50-240	AA-00837-400	50%	24 x 24	24.25 x 24.25 x 0.65
SRT-60-020	AA-00823-300	60%	2 x 2	2.25 x 2.25 x 0.65
SRT-60-050	AA-00821-300	60%	5 x 5	5.25 x 5.25 x 0.65
SRT-60-100	AA-00822-300	60%	10 x 10	10.25 x 10.25 x 0.65
SRT-75-020	AA-00823-200	75%	2 x 2	2.25 x 2.25 x 0.65
SRT-75-050	AA-00821-200	75%	5 x 5	5.25 x 5.25 x 0.65
SRT-75-100	AA-00822-200	75%	10 x 10	10.25 x 10.25 x 0.65
SRT-75-120	AA-00827-200	75%	12 x 12	12.25 x 12.25 x 0.65
SRT-75-180	AA-00826-200	75%	18 x 18	18.25 x 18.25 x 0.65
SRT-75-240	AA-00837-200	75%	24 x 24	24.25 x 24.25 x 0.65
SRT-80-020	AA-00823-100	80%	2 x 2	2.25 x 2.25 x 0.65
SRT-80-050	AA-00821-100	80%	5 x 5	5.25 x 5.25 x 0.65
SRT-80-100	AA-00822-100	80%	10 x 10	10.25 x 10.25 x 0.65
SRT-99-020	AA-00823-000	99%	2 x 2	2.25 x 2.25 x 0.65
SRT-99-050	AA-00821-000	99%	5 x 5	5.25 x 5.25 x 0.65
SRT-99-100	AA-00822-000	99%	10 x 10	10.25 x 10.25 x 0.65
SRT-99-120	AA-00827-000	99%	12 x 12	12.25 x 12.25 x 0.65
SRT-99-180	AA-00826-000	99%	18 x 18	18.25 x 18.25 x 0.65
SRT-99-240	AA-00837-000	99%	24 x 24	24.25 x 24.25 x 0.65



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