

Spectralon® Diffuse Reflectance Targets

**Durable reflectance panels
for laboratory and field applications
under harsh conditions**

Durable

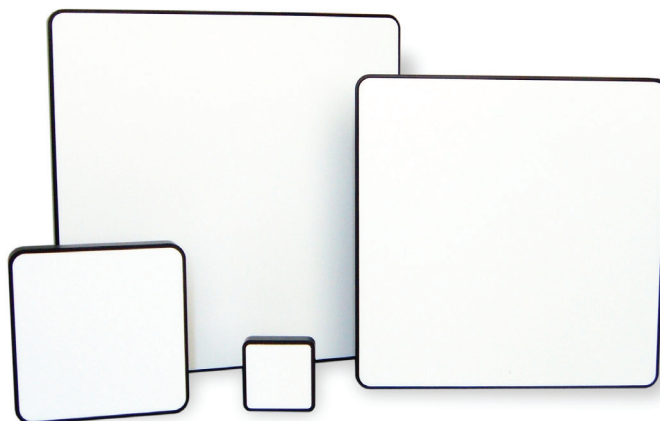
Spectralon targets are ideal for laboratory, production and field applications that require long exposure to harsh environmental conditions. Because of the diffuse reflectance properties of Spectralon, these targets maintain a constant contrast over a wide range of lighting conditions.

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.

Spectralon Split and Multi-Step Targets

Spectralon split targets are perfect for the calibration of video cameras, densitometers, the contrast transfer of propagation media, and the testing of imaging systems in field conditions. These chemically inert targets are durable and washable, consisting of a diffuse white (99% reflectance) and a diffuse dark gray (10% reflectance) panel mounted side-by-side in an anodized aluminum frame. Spectralon multi-step targets consist of four panels of 12, 25, 50, 99% reflectance values mounted side-by-side. The four panels provide equal optical density differences and equal contrast between each adjacent panel.



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

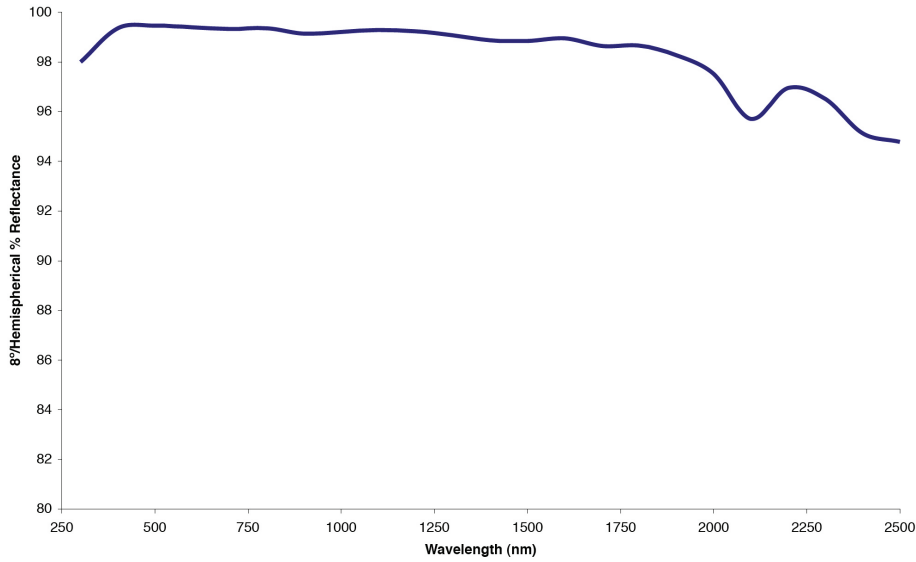


TABLE 1:
Corrected Reflectance Values for 99% Spectralon Targets

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%.

Ordering Information - Calibrated Targets

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

Ordering Information - Uncalibrated Targets

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)
USRT-99-050	AS-02627-000	99%	5 x 5	5.25 x 5.25 x 0.65
USRT-80-050	AS-02627-100	80%	5 x 5	5.25 x 5.25 x 0.65
USRT-60-050	AS-02627-300	60%	5 x 5	5.25 x 5.25 x 0.65
USRT-40-050	AS-02627-500	40%	5 x 5	5.25 x 5.25 x 0.65
USRT-20-050	AS-02627-600	20%	5 x 5	5.25 x 5.25 x 0.65
USRT-99-100	AS-02628-000	99%	10 x 10	10.25 x 10.25 x 0.65
USRT-50-100	AS-02628-400	50%	10 x 10	10.25 x 10.25 x 0.65
USRT-99-020	AS-02629-000	99%	2 x 2	2.25 x 2.25 x 0.65
USRT-50-020	AS-02629-400	50%	2 x 2	2.25 x 2.25 x 0.65
USRT-99-120	AS-02635-000	99%	12 x 12	12.25 x 12.25 x 0.65



Ordering Information - Split and Multi-Step Targets

Model Number	Order Number	Target Type	Reflectance Values	Reflective Area (inches)
SRT-SP-180	AA-00658-000	Split	99, 10%	18 x 18
SRT-MS-050	AA-00659-000	Multi-step, centerpoint calibration 250 - 2500 nm	12, 25, 50, 99%	5 x 5
SRT-MS-100	AA-00660-000	Multi-step, centerpoint calibration 250 - 2500 nm	12, 25, 50, 99%	10 x 10
SRT-MS-180	AA-00661-000	Multi-step, centerpoint calibration 250 - 2500 nm	12, 25, 50, 99%	18 x 18