

X-CEL Optical Technical Data 2011

Aris™ (Trivex®) Transitions® Lenses

All Colors Including Gray, Brown, XTRActive, Autumn Gold

74mm SFSV

Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
1.25	1.23	.726	7.5	14.6	-6.25	-9.00 to -5.75
2.25	2.42	1.432	8.2	13.8	-6.25	-5.50 to -4.75
3.25	3.18	1.886	10.0	14.4	-6.25	-4.50 to -3.25
4.25	4.42	2.635	10.9	13.7	-6.25	-3.00 to -2.00
5.25	5.23	3.132	6.6	8.2	-6.25	-1.75 to -0.25
6.25	6.38	3.851	7.5	7.3	-6.25	-0.00 to +1.00
7.25	7.46	4.544	9.8	7.8	-6.25	+1.25 to +2.50
8.25	8.45	5.198	10.7	6.9	-6.25	+2.75 to +4.50
9.25	9.57	5.964	13.6	6.8	-6.25	+4.75 to +6.50

74mm D-28, D-35, Rd-24, 7X28, 8X35

Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
2.25	2.42	1.432	8.2	13.8	-6.25	-8.00 to -4.75
4.25	4.42	2.635	10.9	13.7	-6.25	-4.50 to -2.25
6.25	6.38	3.851	7.5	7.3	-6.25	-2.00 to +2.00
8.25	8.45	5.198	10.7	6.9	-6.25	+2.25 to +5.50

Segment Locations are:

74mm D-28	5.0 In / 7.0 Dn	2, 4, 6, 8 Bases	1.00 to 4.00 Adds
74mm D-35	5.0 In / 7.0 Dn	4, 6, 8 Bases	1.00 to 3.00 Adds
74mm Rd-24	0 In / 7.0 Dn	4, 6, 8 bases	1.00 to 3.00 Adds
74mm 7X28	5.0 In / 4.0 Dn	2, 4, 6, 8 Bases	1.50 to 3.50 Adds
74mm 8X35	5.0 In / 2.0 Dn	4, 6, 8 bases	1.50 to 3.00 Adds

74mm Freedom^{ID}

17mm Fitting Height

Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
3.25	3.28	1.943	10.1	13.4	-6.25	-4.50 to -2.25
5.25	5.30	3.172	7.0	8.0	-6.25	-2.00 to +2.00
7.25	7.25	4.405	9.9	8.3	-6.25	+2.25 to +4.50

Segment Location or Fitting Cross is 2.5mm In / 4.0mm Up from geometric center in 1.00 to 3.00 adds. The semi-visible marking is ◁▷

All X-Cel Optical Aris Transitions lenses block 100% UVA and UVB, are scratch coated, tintable, have an index of 1.53 and an Abbe of 45
Minimum Recommended Center Thickness is 1.2mm

X-CEL Optical Technical Data 2011

Aris™ (Trivex®) Transitions

74mm Aspheric SFSV Gray and Brown

Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
0.50	0.56	.330	7.3	12.4	-6.20	-10.00 to -7.75
1.50	1.46	.862	8.3	12.7	-6.20	-7.00 to -4.75
2.50	2.32	1.372	9.3	12.7	-6.20	-4.50 to -3.25
3.50	4.10	2.440	11.5	13.0	-6.20	-3.00 to -0.25
4.25	4.43	2.641	5.1	7.1	-6.20	+0.00 to +2.00
5.25	5.51	3.306	6.3	7.2	-6.20	+2.25 to +3.25
6.25	6.48	3.914	7.8	7.5	-6.20	+3.50 to +4.25
7.25	7.53	4.589	9.3	7.8	-6.20	+4.50 to +5.25
8.25	8.66	5.339	11.5	8.4	-6.20	+5.50 to +6.50
9.25	9.51	5.922	12.8	8.7	-6.20	+6.75 to +8.50

70mm Finished Single Vision Rx Range

Sphere	Nom	Sag	CT	ET	Back	Cylinder Range
0.00	4.25	2.530	2.0	2.0	4.25-	0.00 to -2.00
-0.25	4.50	2.666	2.0	2.2	4.75-	0.00 to -2.00
-0.50	4.25	2.530	1.9	2.4	4.75-	0.00 to -2.00
-0.75	4.00	2.380	1.9	2.7	4.75-	0.00 to -2.00
-1.00	3.75	2.227	1.9	2.9	4.75-	0.00 to -2.00
-1.25	4.25	2.530	1.9	3.4	5.50-	0.00 to -2.00
-1.50	4.00	2.530	1.8	3.7	5.50-	0.00 to -2.00
-1.75	3.75	2.227	1.8	4.0	5.50-	0.00 to -2.00
-2.00	3.50	2.072	1.7	4.2	5.50-	0.00 to -2.00
-2.25	3.25	1.926	1.7	4.5	5.50-	0.00 to -2.00
-2.50	3.50	2.072	1.6	4.7	6.00-	0.00 to -2.00
-2.75	3.25	1.926	1.6	5.0	6.00-	0.00 to -2.00
-3.00	3.00	1.777	1.6	5.2	6.25-	0.00 to -2.00
-3.25	2.00	1.181	1.5	5.4	6.25-	0.00 to -2.00
-3.50	2.75	1.627	1.5	5.7	6.25-	0.00 to -2.00
-3.75	3.00	1.777	1.4	6.0	6.75-	0.00 to -2.00
-4.00	2.50	1.478	1.3	6.2	6.50-	0.00 to -2.00
-4.25	2.25	1.329	1.3	6.5	6.50-	0.00 to -2.00
-4.50	2.50	1.478	1.3	6.8	7.00-	0.00 to -2.00
-4.75	2.25	1.329	1.3	7.1	7.00-	0.00 to -2.00
-5.00	2.00	1.181	1.3	7.4	7.00-	0.00 to -2.00
-5.25	1.75	1.032	1.3	7.8	7.00-	0.00 to -2.00
-5.50	1.50	0.854	1.3	8.0	7.00-	0.00 to -2.00
-5.75	2.00	1.181	1.3	8.3	7.75-	0.00 to -2.00
-6.00	1.75	1.032	1.3	8.6	7.75-	0.00 to -2.00

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