

# X-Cel Optical 2014 Lens Technical Data

## High-X™ 1.55 Index Transitions® Lenses

### 1.55 Index 72/78mm SFSV , D-28, D-35, 7X28 & 8X35

Nominal	True	Sag.	C.T.	E.T.	Back	Rx Range
0.50	0.56	0.330	10.8	18.7	-6.33	-11.00 to -7.25
2.25	2.34	1.384	13.0	18.7	-6.33	-7.00 to -4.50
4.25	4.40	2.623	10.0	13.0	-6.33	-4.25 to -2.25
6.25	6.35	3.832	8.5	8.5	-6.33	-2.00 to +2.00
8.25	8.35	5.131	12.0	8.5	-6.33	+2.25 to +5.00
10.25	10.41	6.561	16.0	8.5	-6.33	+5.25 to +9.00

#### Segment Locations are:

72mm D-28	6.0 In / 6.0 Down	10.25 Base	Gray 100 to 350 adds
72mm D-28	5.0 In / 7.0 Down	0.50, 2.25 Base	Gray 100 to 350 adds
78mm D-28	6.0 In / 6.5 Down		Gray 100 to 400 adds
72mm D-35	5.0 In / 7.0 Down		Gray 100 to 350 adds
78mm D-35	6.0 In / 5.5 Down		Gray 100 to 400 adds
72mm 7X28	6.0 In / 3.0 Down	10.25 Base	Gray 175 to 350 adds
72mm 7X28	5.0 In / 4.0 Down	0.50, 2.25 Base	Gray 175 to 350 adds
78mm 7X28	6.0 In / 3.5 Down		Gray 150 to 400 adds
72mm 8X35	5.0 In / 3.0 Down		Gray 150 to 300 adds
78mm 8X35	6.0 In / 2.5 Down		Gray 150 to 300 adds

Recommended Minimum Center Thickness is 1.8mm

All Transitions High-X 1.55 Lenses have an Abbe of 38, Block 100% UVA and UVB, are front side hard coated, have a true index of 1.554