

Projector	Part Number	Lens Part Number	Zoom Ratio	Lens Extension	Total Overall Length (TOL)	TOL + ALS-200	
dVision 30XG (XB) *	105-822	104-083 - EN-12	1.1 : 1 Fixed		0	14.8 inches (376mm)	N/A
		104-084 - EN-15	1.65 : 1 Fixed	1/2 inch (13mm)	15.3 inches (389mm)	N/A	
		104-085 - EN-13	1.78 : 2.32 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	N/A	
		104-086 - EN-11	2.32 : 3.42 : 1 Zoom		0	14.8 inches (376mm)	N/A
		104-087 - EN-14	3.42 : 5.47 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	N/A	
		104-088 - EN-16	5.47 : 9.57 : 1 Zoom	1/2 inch (13mm)	15.3 inches (389mm)	N/A	
dVision 30HD (XB) *	107-738	104-083 - EN-12	0.875 : 1 Fixed		0	14.8 inches (376mm)	N/A
		104-084 - EN-15	1.2 : 1 Fixed	1/2 inch (13mm)	15.3 inches (389mm)	N/A	
		104-085 - EN-13	1.2 : 1.6 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	24.5 inches (623.1mm) †	
		104-086 - EN-11	1.86 : 2.73 : 1 Zoom		0	14.8 inches (376mm)	25.8 inches (655.32mm)
		104-087 - EN-14	2.73 : 4.37 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	26.5 inches (673.1mm)	
		104-088 - EN-16	4.37 : 7.65 : 1 Zoom	1/2 inch (13mm)	15.3 inches (389mm)	26.3 inches (668.02mm)	
dVision 30 SX+ * XB: XL: XC:	107-741 107-742 107-743	104-083 - EN-12	0.8 : 1 Fixed		0	14.8 inches (376mm)	N/A
		104-084 - EN-15	1.2 : 1 Fixed	1/2 inch (13mm)	15.3 inches (389mm)	N/A	
		104-085 - EN-13	1.3 : 1.7 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	N/A	
		104-086 - EN-11	1.7 : 2.5 : 1 Zoom		0	14.8 inches (376mm)	N/A
		104-087 - EN-14	2.5 : 4.0 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	N/A	
104-088 - EN-16	4.0 : 7.0 : 1 Zoom	1/2 inch (13mm)	15.3 inches (389mm)	N/A			
dVision 30 1080p * XB: XL: XC:	107-745 107-746 107-744	104-083 - EN-12	0.75 : 1 Fixed		0	14.8 inches (376mm)	N/A
		104-084 - EN-15	1.1 : 1 Fixed	1/2 inch (13mm)	15.3 inches (389mm)	N/A	
		104-085 - EN-13	1.2 : 1.6 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	N/A	
		104-086 - EN-11	1.6 : 2.3 : 1 Zoom		0	14.8 inches (376mm)	25.8 inches (655.32mm) ††
		104-087 - EN-14	2.3 : 3.7 : 1 Zoom	5/8 inch (16mm)	15.5 inches (392mm)	26.5 inches (673.1mm)	
		104-088 - EN-16	3.7 : 6.5 : 1 Zoom	1/2 inch (13mm)	15.3 inches (389mm)	26.3 inches (668.02mm)	
Titan XG 500 **	106-239	001-734 HB 102-373 HC	1.8 : 1 Fixed		3.9 inches (100mm)	26 inches (660.4mm)	N/A
		001-735 HB 102-835 HC	1.2 : 1 Fixed	3.0 inches (75mm)	25.1 inches (637.5mm)	N/A	
		001-736 HB 102-374 HC	1.5 - 1.6 : 1 Zoom lens	1.8 inches (47mm)	23.9 inches (607.1mm)	N/A	
		001-737 HB 102-375 HC	1.8 - 2.25 : 1 Zoom lens	0.1 inches (1mm)	22.2 inches (563.9mm)	N/A	
		001-738 HB 102-376 HC	2.25 - 3.0 : 1 Zoom lens	0.2 inches (5mm)	22.3 inches (566.4mm)	N/A	
		001-739 HB 102-377 HC	3.0 - 4.5 : 1 Zoom lens	0.2 inches (5mm)	22.3 inches (566.4mm)	N/A	
		001-740 HB 102-378 HC	4.5 - 7.0 : 1 Zoom lens	0.5 inches (12mm)	22.6 inches (574.0mm)	N/A	
Titan XG 600 **	107-693	001-734 HB 102-373 HC	1.8 : 1 Fixed		3.9 inches (100mm)	29.9 inches (759.5mm)	N/A
		001-735 HB 102-835 HC	1.2 : 1 Fixed	3.0 inches (75mm)	29 inches (736.6mm)	N/A	
		001-736 HB 102-374 HC	1.5 - 1.6 : 1 Zoom lens	1.8 inches (47mm)	27.8 inches (706.1mm)	N/A	
		001-737 HB 102-375 HC	1.8 - 2.25 : 1 Zoom lens	0.1 inches (1mm)	26.1 inches (662.9mm)	N/A	
		001-738 HB 102-376 HC	2.25 - 3.0 : 1 Zoom lens	0.2 inches (5mm)	26.2 inches (665.5mm)	N/A	
		001-739 HB 102-377 HC	3.0 - 4.5 : 1 Zoom lens	0.2 inches (5mm)	26.2 inches (665.5mm)	N/A	
		001-740 HB 102-378 HC	4.5 - 7.0 : 1 Zoom lens	0.5 inches (12mm)	26.5 inches (673.1mm)	N/A	
Projector	Part Number	Lens Part Number	Zoom Ratio	Lens Extension	Total Overall Length (TOL)	TOL + ALS-200	
Titan SX+ 500-250 ** SX+ 500: SX+ 600:	104-850 107-692	105-607 HB 107-195 HC	1.73 : 1 Fixed		8.0 inches (204mm)	30.1 inches (764.54mm)	N/A
		105-608 HB 105-608 HC	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	32.7 inches (830.58mm)	N/A	
		105-609 HB 105-609 HC	1.12 : 1 Fixed (1.2 - 2.0m)	10.6 inches (268mm)	32.7 inches (830.58mm)	N/A	
		105-610 HB 107-196 HC	1.5 - 2.02 : 1 Zoom lens	7.6 inches (194mm)	29.7 inches (754.38mm)	N/A	
		105-611 HB 107-197 HC	2.02 - 2.77 : 1 Zoom lens	6.2 inches (159mm)	28.3 inches (718.82mm)	N/A	
		105-612 HB 107-198 HC	2.77 - 4.51 : 1 Zoom lens	6.0 inches (152mm)	28.1 inches (713.47mm)	N/A	
		105-613 HB 107-199 HC	4.51 - 7.53 : 1 Zoom lens	4.7 inches (118mm)	26.8 inches (680.72mm)	N/A	
Titan SX+ 600/700 ** SX+ 600: SX+ 600M SX+ 700	107-692 108-715 108-722	105-607 HB 107-195 HC	1.73 : 1 Fixed		8.0 inches (204mm)	34.0 inches (863.6mm)	N/A
		105-608 HB 105-608 HC	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	36.6 inches (929.64mm)	N/A	
		105-609 HB 105-609 HC	1.12 : 1 Fixed (1.2 - 2.0m)	10.6 inches (268mm)	36.6 inches (929.64mm)	N/A	
		105-610 HB 107-196 HC	1.5 - 2.02 : 1 Zoom lens	7.6 inches (194mm)	33.6 inches (854.44mm)	N/A	
		105-611 HB 107-197 HC	2.02 - 2.77 : 1 Zoom lens	6.2 inches (159mm)	32.2 inches (817.88mm)	N/A	
		105-612 HB 107-198 HC	2.77 - 4.51 : 1 Zoom lens	6.0 inches (152mm)	32.0 inches (812.8mm)	N/A	
		105-613 HB 107-199 HC	4.51 - 7.53 : 1 Zoom lens	4.7 inches (118mm)	30.7 inches (779.8mm)	N/A	
Titan HD 500-250 ** HD-250: HD-500:	106-240 105-948	001-734 HB 102-373 HC	1.64 : 1 Fixed		3.9 inches (100mm)	26 inches (660.4mm)	N/A
		001-735 HB 102-835 HC	1.2 : 1 Fixed	3.0 inches (75mm)	25.1 inches (637.5mm)	N/A	
		001-736 HB 102-374 HC	1.2 - 1.44 : 1 Zoom lens	1.8 inches (47mm)	23.9 inches (607.1mm)	N/A	
		001-737 HB 102-375 HC	1.44 - 1.8 : 1 Zoom lens	0.1 inches (1mm)	22.2 inches (563.9mm)	32.6 inches (828.04mm)	
		001-738 HB 102-376 HC	1.8 - 2.4 : 1 Zoom lens	0.2 inches (5mm)	22.3 inches (566.4mm)	32.5 inches (825.5mm)	
		001-739 HB 102-377 HC	2.4 - 3.6 : 1 Zoom lens	0.2 inches (5mm)	22.3 inches (566.4mm)	32.5 inches (825.5mm)	
		001-740 HB 102-378 HC	3.6 - 5.6 : 1 Zoom lens	0.5 inches (12mm)	22.6 inches (574.0mm)	33.0 inches (838.2mm)	
HC lenses recommended for HD-250 HB lenses recommended for HD-500							
Titan HD 600 ** HB lenses recommended for HD-600	107-693	001-734 HB 102-373 HC	1.64 : 1 Fixed		3.9 inches (100mm)	29.9 inches (759.5mm)	N/A
		001-735 HB 102-835 HC	1.2 : 1 Fixed	3.0 inches (75mm)	29.0 inches (736.6mm)	N/A	
		001-736 HB 102-374 HC	1.2 - 1.44 : 1 Zoom lens	1.8 inches (47mm)	27.8 inches (706.1mm)	N/A	
		001-737 HB 102-375 HC	1.44 - 1.8 : 1 Zoom lens	0.1 inches (1mm)	26.1 inches (662.9mm)	37.1 inches (942.3mm)	
		001-738 HB 102-376 HC	1.8 - 2.4 : 1 Zoom lens	0.2 inches (5mm)	26.2 inches (665.5mm)	37.2 inches (944.9mm)	
		001-739 HB 102-377 HC	2.4 - 3.6 : 1 Zoom lens	0.2 inches (5mm)	26.2 inches (665.5mm)	37.2 inches (944.9mm)	
		001-740 HB 102-378 HC	3.6 - 5.6 : 1 Zoom lens	0.5 inches (12mm)	26.5 inches (673.1mm)	37.5 inches (952.5mm)	
Titan 1080p 500-250 ** 1080p 500: 1080p 500 w/SDI:	106-241 108-642	105-607 HB 107-195 HC	1.67 : 1 Fixed		8.0 inches (204mm)	30.1 inches (764.54mm)	N/A
		105-608 HB 105-608 HC	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	32.7 inches (830.58mm)	N/A	
		105-609 HB 105-609 HC	1.12 : 1 Fixed (1.2 - 2m)	10.6 inches (268mm)	32.7 inches (830.58mm)	N/A	
		105-610 HB 107-196 HC	1.39 - 1.87 : 1 Zoom lens	7.6 inches (194mm)	29.7 inches (754.38mm)	40.7 inches (1033.78mm) †††	
		105-611 HB 107-197 HC	1.87 - 2.56 : 1 Zoom lens	6.2 inches (159mm)	28.3 inches (718.82mm)	39.3 inches (998.22mm)	
		105-612 HB 107-198 HC	2.56 - 4.16 : 1 Zoom lens	6.0 inches (152mm)	28.1 inches (713.47mm)	39.1 inches (993.14mm)	
		105-613 HB 107-199 HC	4.16 - 6.96 : 1 Zoom lens	4.7 inches (118mm)	26.8 inches (680.72mm)	37.8 inches (960.12mm)	
HC lenses recommended for 1080p 250 HB lenses recommended for 1080p 500							
Titan 1080p 600/700 ** 1080p 600: 1080p 600 w/SDI: 1080p 700:	107-302 108-643 108-722	105-607 HB 107-195 HC	1.67 : 1 Fixed		8.0 inches (204mm)	34.0 inches (863.6mm)	N/A
		105-608 HB 105-608 HC	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	36.6 inches (929.64mm)	N/A	
		105-609 HB 105-609 HC	1.12 : 1 Fixed (1.2 - 2m)	10.6 inches (268mm)	36.6 inches (929.64mm)	N/A	
		105-610 HB 107-196 HC	1.39 - 1.87 : 1 Zoom lens	7.6 inches (194mm)	33.6 inches (854.44mm)	44.6 inches (1132.8mm) †††	
		105-611 HB 107-197 HC	1.87 - 2.56 : 1 Zoom lens	6.2 inches (159mm)	32.2 inches (817.88mm)	43.2 inches (1097.3mm)	
		105-612 HB 107-198 HC	2.56 - 4.16 : 1 Zoom lens	6.0 inches (152mm)	32.0 inches (812.8mm)	43.0 inches (1092.2mm)	
		105-613 HB 107-199 HC	4.16 - 6.96 : 1 Zoom lens	4.7 inches (118mm)	30.7 inches (779.8mm)	41.7 inches (1059.2mm)	
HB lenses recommended for 1080p 600/700							
Projector	Part Number	Lens Part Number	Zoom Ratio	Lens Extension	Total Overall Length (TOL)	TOL + ALS-200	
Titan Reference 1080p ** HC Lenses recommended for all Reference Titan and Lightning projectors.	107-973	105-607 HB 107-195 HC	1.67 : 1 Fixed		8.0 inches (204mm)	34.0 inches (863.6mm)	N/A
		105-608 HB 105-608 HC	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	36.6 inches (929.64mm)	N/A	
		105-609 HB 105-609 HC	1.12 : 1 Fixed (1.2 - 2m)	10.6 inches (268mm)	36.6 inches (929.64mm)	N/A	
		105-610 HB 107-196 HC	1.39 - 1.87 : 1 Zoom lens	7.6 inches (194mm)	33.6 inches (854.44mm)	44.6 inches (1132.8mm) †††	
		105-611 HB 107-197 HC	1.87 - 2.56 : 1 Zoom lens	6.2 inches (159mm)	32.2 inches (817.88mm)	43.2 inches (1097.3mm)	
		105-612 HB 107-198 HC	2.56 - 4.16 : 1 Zoom lens	6.0 inches (152mm)	32.0 inches (812.8mm)	43.0 inches (1092.2mm)	
		105-613 HB 107-199 HC	4.16 - 6.96 : 1 Zoom lens	4.7 inches (118mm)	30.7 inches (779.8mm)	41.7 inches (1059.2mm)	
Lightning 38-45 HD-3D *** 38HD-3D: 45HD-3D: Total Overall Length includes Rigging Frame: Projector Length+RigFrame:43.9 (1116mm)	108-358 108-360	103-350	1.0 : 1 Fixed		7.3 inches (185mm)	46.2 inches (1173.48mm)	N/A
		103-351	1.25 - 1.45 : 1 Zoom	6.3 inches (161mm)	45.2 inches (1148.08mm)	N/A	
		102-451	1.45 - 1.8 : 1 Zoom	4.3 inches (109mm)	43.9 inches (1116mm)	N/A	
		102-676	1.8 - 2.4 : 1 Zoom	3.8 inches (97mm)	43.9 inches (1116mm)	N/A	
		102-677	2.2 - 3.0 : 1 Zoom	2.1 inches (53mm)	43.9 inches (1116mm)	N/A	
		102-678	3.0 - 4.3 : 1 Zoom	3.9 inches (98mm)	43.9 inches (1116mm)	N/A	
		104-189	4.3 - 6.0 : 1 Zoom	6.7 inches (170mm)	45.6 inches (1158.24mm)	N/A	
103-352	5.5 - 8.5 : 1 Zoom	TBD	TBD	N/A			
Lightning 30/40isx+ *** 30isx+: 40isx+: Total Overall Length includes Rigging Frame: Projector Length+RigFrame:43.9 (1116mm)	106-262 106-387	105-607	1.73 : 1 Fixed		8.0 inches (204mm)	47.4 inches (1203.96mm)	N/A
		105-608	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	50 inches (1270mm)	N/A	
		105-609	1.12 : 1 Zoom lens (1.2 - 2m)	10.6 inches (268mm)	50 inches (1270mm)	N/A	
		105-610	1.5 - 2.02 : 1 Zoom	7.6 inches (194mm)	47 inches (1193.8mm)	N/A	
		105-611	2.02 - 2.77 : 1 Zoom	6.3 inches (159mm)	45.7 inches (1160.78)	N/A	
		105-612	2.77 - 4.51 : 1 Zoom	6.0 inches (152mm)	45.4 inches (1153.16)	N/A	
		105-613	4.51 - 7.53 : 1 Zoom	4.6 inches (118mm)	44.5 inches (1155.7mm)	N/A	
Lightning 30/40 1080p *** 30-1080p: 40-1080p: Total Overall Length includes Rigging Frame: Projector Length+RigFrame:43.9 (1116mm)	107-686 106-688	105-607	1.67 : 1 Fixed		8.0 inches (204mm)	47.4 inches (1203.96mm)	N/A
		105-608	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	50 inches (1270mm)	N/A	
		105-609	1.12 : 1 Zoom lens (1.2 - 2m)	10.6 inches (268mm)	50 inches (1270mm)	N/A	
		105-610	1.39 - 1.87 : 1 Zoom	7.6 inches (194mm)	47 inches (1193.8mm)	N/A	
		105-611	1.87 - 2.56 : 1 Zoom	6.3 inches (159mm)	45.7 inches (1160.78)	56.7 inches (1440.18mm) ††††	
		105-612	2.56 - 4.16 : 1 Zoom	6.0 inches (152mm)	45.4 inches (1153.16)	56.4 inches (1432.56mm) ††††	
		105-613	4.16 - 6.96 : 1 Zoom	4.6 inches (118mm)	44.5 inches (1155.7mm)	55.5 inches (1409.7mm) ††††	
Lightning Reference 1080p 30/40 *** 1080p-30: 1080p-40: Total Overall Length includes Rigging Frame: Projector Length+RigFrame:43.9 (1116mm)	107-967 107-968	107-195 (HC)	1.67 : 1 Fixed		8.0 inches (204mm)	47.4 inches (1203.96mm)	N/A
		105-608	1.12 : 1 Fixed (3 - 15m)	10.6 inches (268mm)	50 inches (1270mm)	N/A	
		105-609	1.12 : 1 Zoom lens (1.2 - 2m)	10.6 inches (268mm)	50 inches (1270mm)	N/A	
		107-196 (HC)	1.39 - 1.87 : 1 Zoom	7.6 inches (194mm)	47 inches (1193.8mm)	N/A	
		107-197 (HC)	1.87 - 2.56 : 1 Zoom	6.3 inches (159mm)	45.7 inches (1160.78)	56.7 inches (1440.18mm) ††††	
		107-198 (HC)	2.56 - 4.16 : 1 Zoom	6.0 inches (152mm)	45.4 inches (1153.16)	56.4 inches (1432.56mm) ††††	
		107-199 (HC)	4.16 - 6.96 : 1 Zoom	4.6 inches (118mm)	44.5 inches (1155.7mm)	55.5 inches (1409.7mm) ††††	
††††† division measurements referenced from most forward point of projector. ** Titan measurements referenced from front of corner post. Extension measured when lens is focused at infinity and fully extended. *** Lightning measurements referenced from front of corner post. Extension measured when lens is focused at infinity and fully extended. † 104-085 Lens on the dVision 30 HD platform will not perform with the ALS-200 Telescope below a zoom of 1.8 : 1. †† 104-086 Lens on the dVision 30 1080p platform will not perform with the ALS-200 Telescope below a zoom of 1.69 : 1. ††† 105-610 Lens on the Titan or Lightning 1080p platform will not perform with the ALS-200 Telescope below a zoom of 1.8 : 1. ††††† ALS-200 attached to a any Lightning 1080p model is a non-standard installation. Expect approximately 11" of clearance for successful installation.							