



Astronomical Eyepiece Magnification Values When Mounted on Celestron Spotting Scopes



EYEPIECES		LUMINOS			ULTIMA EDGE				X-CEL LX						OMNI							
SPOTTING SCOPES		7mm	10mm	15mm	10mm	15mm	18mm	24mm	2.3mm	5mm	7mm	9mm	12mm	18mm	25mm	4mm	6mm	9mm	12mm	15mm	32mm	40mm
HUMMINGBIRD ED	FOCAL LENGTH																					
56mm	200mm	28.6	20.0	13.3	20.0	13.3	11.1	8.3	87.0	40.0	28.6	22.2	16.7	11.1	8.0	50.0	33.3	22.2	16.7	13.3	6.3	5.0
TRAILSEEKER	FOCAL LENGTH																					
65mm	386mm	55.1	38.6	25.7	38.6	25.7	21.4	16.1	167.8	77.2	55.1	42.9	32.2	21.4	15.4	96.5	64.3	42.9	32.2	25.7	12.1	9.7
80mm	480mm	68.6	48.0	32.0	48.0	32.0	26.7	20.0	208.7	96.0	68.6	53.3	40.0	26.7	19.2	120.0	80.0	53.3	40.0	32.0	15.0	12.0
100mm	540mm	77.1	54.0	36.0	54.0	36.0	30.0	22.5	234.8	108.0	77.1	60.0	45.0	30.0	21.6	135.0	90.0	60.0	45.0	36.0	16.9	13.5
REGAL ED	FOCAL LENGTH																					
65mm	382mm	54.6	38.2	25.5	38.2	25.5	21.2	15.9	166.1	76.4	54.6	42.4	31.8	21.2	15.3	95.5	63.7	42.4	31.8	25.5	11.9	9.6
80mm	480mm	68.6	48.0	32.0	48.0	32.0	26.7	20.0	208.7	96.0	68.6	53.3	40.0	26.7	19.2	120.0	80.0	53.3	40.0	32.0	15.0	12.0
100mm	540mm	77.1	54.0	36.0	54.0	36.0	30.0	22.5	234.8	108.0	77.1	60.0	45.0	30.0	21.6	135.0	90.0	60.0	45.0	36.0	16.9	13.5
CATADIOPTRIC	FOCAL LENGTH																					
C70**	750mm	107.1	75.0	50.0	75.0	50.0	41.7	31.3	326.1	150.0	107.1	83.3	62.5	41.7	30.0	187.5	125.0	83.3	62.5	50.0	23.4	18.8
C90	1250mm	178.6	125.0	83.3	125.0	83.3	69.4	52.1	543.5	250.0	178.6	138.9	104.2	69.4	50.0	312.5	208.3	138.9	104.2	83.3	39.1	31.3
C5	1250mm	178.6	125.0	83.3	125.0	83.3	69.4	52.1	543.5	250.0	178.6	138.9	104.2	69.4	50.0	312.5	208.3	138.9	104.2	83.3	39.1	31.3

Values in orange are higher than recommended for optimal viewing given the objective size of the scope.
* Eyepieces that have 2" diameter mounting tubes are not compatible with Celestron Spotting Scopes
** The C70 1.25" Eyepiece Adapter (included with the scope) is required for the use of 1.25 inch diameter astronomical eyepieces

Important Notes:
All Celestron E-Lux eyepieces feature 2 inch diameter mounting tubes and so are not included in this chart
Celestron Ultima, UpClose, and LandScout spotting scopes are not compatible with either 1.25 or 2.0 inch diameter astronomical eyepieces