

# Script for ESOcast 176 Light: Building the Biggest Optical Telescope in the World

Release:

<b>ESOcast Light 176</b>	
<b>[Visual starts]</b> <b>New ESOcast intro</b>	New ESOcast introduction
<b>Title: Building the Biggest Optical Telescope in the World</b>	
1. <b>Construction is underway</b> at Cerro Armazones — the future home of the <b>Extremely Large Telescope (ELT)</b> .	ELT site overhead
2. When construction is done the ELT will be the <b>largest optical telescope</b> ever built — a dome the size of a cathedral.	Animation: dome is erected + rotation
3. It will <b>dwarf all existing optical telescopes</b> and usher in a <b>new era</b> of ground-based astronomy.	modulation; dome opens
4. With the ELT, we will <b>search for signs of life</b> on distant worlds, study the nature of dark energy and dark matter, and explore the <b>origins of the Universe</b> .	music builds; view from the back

5. Once complete, the ELT will give us a view of the Universe that <b>we cannot yet imagine</b> .	music resolves; dome rotates and finishes the video by opening
<b>00:00</b> <b>[Outro]</b>	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>