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Optron LiveStar Mini Planetarium is a wonderful home planetarium for every astronomy lover. 1,100 stars (up to 4,5m) and all 88 constellations of the night sky, a very careful finish, the ability to set the sky to any observation point on Earth and remote control using a remote control - in short, the best globe on the market and a sky projector in one. Producer: Ioptron. The planetarium projects on a half-sphere image (a 2π solid angle - the second half of the sphere is the area "under the horizon" imitated by the planetarium enclosure) The optimum projection distance is from 1.5 to 4 meters; the image of the stars is focused thanks to the lenses glued to the stars. The projection area at a distance of 2 meters is 25 square meters, at a distance of 3 meters - over 55 square meters! Basic information: • all 88 constellations can be projected onto the ceiling and walls of the room • 1100 lightest stars including visible brightness (up to 4.5 magnitudes) • defining the season, date, time and location will show the location of objects corresponding to these parameters • the built-in motor reflects the apparent movement of objects in the sky as a result of the Earth's rotation • can be used as a blue globe (the constellations are signed in Latin, have boundaries of constellations, blue coordinates and the ecliptic line) • two speeds of rotation "forward" (1.5 and 3 minutes / revolution) and one speed back (3 minutes / revolution) • wonderful reproduction of the Milky Way • unrivaled in the science of the sky, a wonderful element of school equipment and educational institutions • NEW power supply: 230V AC adapter included in the set and CR2032 battery in the remote control • 2 lighting forces dimensions • Globe diameter (sphere): 20 cm • The diameter of the globe holder at the widest point: 27 cm • height: 32 cm Parameters of the stepping motor drive • symbol: 24BYJ48 • voltage: 5 V • resistance: 70 Ω • temperature increase: • 50 ° C • noise level: • 40 dB Warranty 2 years SEE THE FILM WITH THE PLANETARY PRESENTATION >> FREQUENTLY ASKED QUESTIONS << Question : Will I get instructions for this planetarium in Polish? What is the difference between this product and the Bresser Home Planetarium? joanna Answer : Yes, you will receive instructions in Polish for every product ordered in our store. Comparison of the Bresser and Ioptron planetarium: Planetarium Bresser - Planetarium / Globus Ioptron 2 positions on the globe - the possibility of setting any position of observation manually controlled - manually or remotely controlled (infrared) displaying the map in the cone - displaying the map in the semi-sphere only projection on the ceiling - projection on the ceiling and walls and the sky globe