

# CITIZEN®

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## **CITIZEN Flagship Model for 2016 – “CITIZEN Eco-Drive One”**

— *The world’s thinnest<sup>1</sup> light-powered watch with a 1.00mm movement* —



It has been 40 years since CITIZEN launched the world's first analog quartz watch that uses light as a power source. We called this technology Eco-Drive<sup>2</sup> since it uses a renewable natural resource that anyone can access to generate its own electrical energy. Eco-Drive has evolved as one of our core technologies and serves as the foundation of our corporate philosophy of “crafting timepieces loved by citizens all over the world.”

For this milestone we introduce our latest flagship model, Eco-Drive One which is the world’s thinnest light-powered analog quartz watch with a 2.98mm case and 1.00 mm movement.

Capturing the rank of ‘world’s thinnest’ required redesigning almost every part of the movement, the structure of parts by using CITIZEN’s most advanced processing techniques. We also improved on our Eco-Drive technology. For example, in spite of its thinness, Eco-Drive One runs 10 months on a single full charge by successfully reducing energy consumption.

To create a watch with a case thickness of 2.98mm required the use of new materials. Materials that are both thin and strong. Materials that are malleable to form a beautiful silhouette that would hug the wrist but a material that would be strong enough to resist flexing. The case of the Eco-Drive One Limited Model (AR5014-04E) and the bezel for AR5000-50E/AR5000-68A/AR5004-59H models all use a cermet<sup>3</sup> to achieve the mutually exclusive requirements of “beautiful thinness” and “durable hardness.” It also helps to keep the watch’s beautiful finish and metallic luster. The bezel on the Limited Model (AR5014-04E) is made from a binderless cemented carbide<sup>4</sup> that is hard and resistant to both corrosion and oxidation.

As a light-power pioneer, we will continue to break boundaries and explore new possibilities of incorporating light powered technologies to craft timepieces that inspire people everywhere.



	Eco-Drive One Limited edition 800 Pieces Worldwide	Eco-Drive One		
Launch	Autumn/Winter 2016			
Ref.	AR5014-04E	AR5000-50E	AR5000-68A	AR5004-59H
Projected Price	USD 6,000	USD2,600		
Case Material	Cermet with binderless cemented carbide bezel	Stainless steel (Duratect <sup>5</sup> a) with cermet bezel		
Band Material	Black crocodile leather	Stainless steel (Duratect a)		
Crystal	Sapphire with anti-reflective coating			
Case Diameter /Thickness	38.25mm/2.98mm <sup>6</sup>	39.8mm/2.98mm <sup>6</sup>		
Movement	Cal.8826 , Eco-Drive, Accuracy of ±15 seconds per month, Runs 10 months on full charge, water resistant			

\*1 As of February 2016 for an analogue light-powered watch according to research by Citizen Watch Co.,Ltd

\*2 Eco-Drive is CITIZEN's proprietary technology that powers watches using any natural or artificial light source, eliminating the need to replace batteries. Certified as an Eco Mark product for the first time in the watch industry.

\*3 Cermet is an advanced composite composed of ceramic and metallic materials. It is made by combusting a mixture of hard compound particles such as metallic carbides and nitrides with metallic binding materials.

\*4 Binderless cemented carbide is a type of cemented carbide mainly made of tungsten carbide powder with no metallic binder such as cobalt and nickel. It has superior hardness, corrosion resistance and oxidation resistance.

\*5 Duratect is surface hardening technology exclusively developed by CITIZEN to maintain the luster and beautiful finish of watches. Treating materials such as titanium and stainless steel with this technology improves the hardness of the material's surface, making watch cases and bands resistant to scratches.

\*6 Dimensions are nominal. Actual product size may be up to 0.22 mm thicker due to tolerance.

#### About CITIZEN WATCH

CITIZEN WATCH is a true manufacture d'horlogerie with a comprehensive manufacturing process that extends from creating a watch's individual components to its final assembly. The company operates in more than 100 countries around the world. Since its founding in 1918, CITIZEN have held the belief of "Better Starts Now" — that is, no matter who you are and what you do, it is always possible to make something better, and now is the time to start doing it. Sharing this belief, we have made watches, invented and improved technologies and explored the future of watches such as our proprietary light-powered Eco-Drive technology, which originally debuted 40 years ago, and state-of-the-art satellite-synchronised timekeeping.



The final design and specifications are subject to change without notice.  
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