

## SPECIFICATIONS:

**Primary mirror diameter: 305 mm (12")**

**Focal ratio: F/7.9**

**Focal length: 2400 mm (95")**

**Linear obstruction: 48%**

**Full corrected and illuminated field: 63 mm**

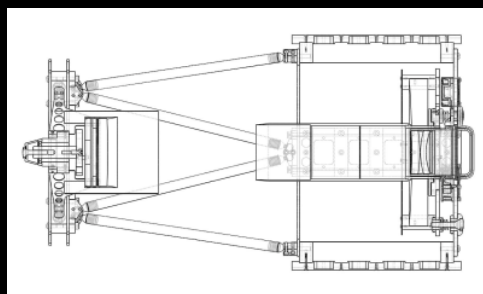
**Dimensions: 490x490x910 mm**

**Weight: 27 Kg (60 lb)**

**Long back focus extraction: 240 mm (9.5")**

**RMS spot size under 3 micron on the full 63 mm field**

**Diffraction limited in the 380-2000 nm (near UV to near IR)**

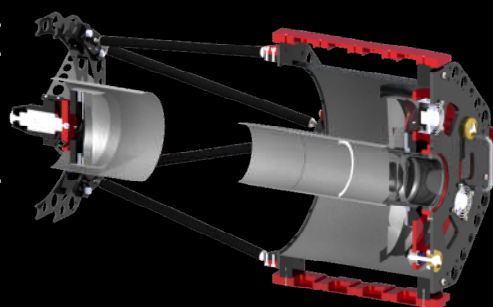


### Standard configuration:


**Zero expansion carbon truss tube design, splitted light baffle, four Los-mandy type dovetails, three ventilation fans and mirrors heaters with manual control, shroud and cap covers.**

### Optional accessories:

**Focusers and rotators, advanced electronic, finderscopes, customized imaging train parts and more.**

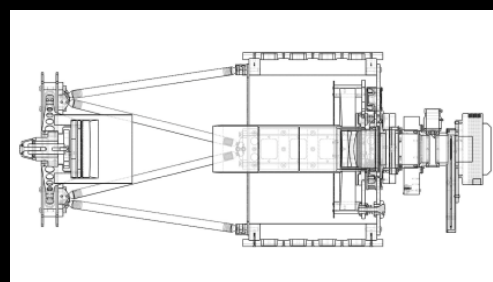


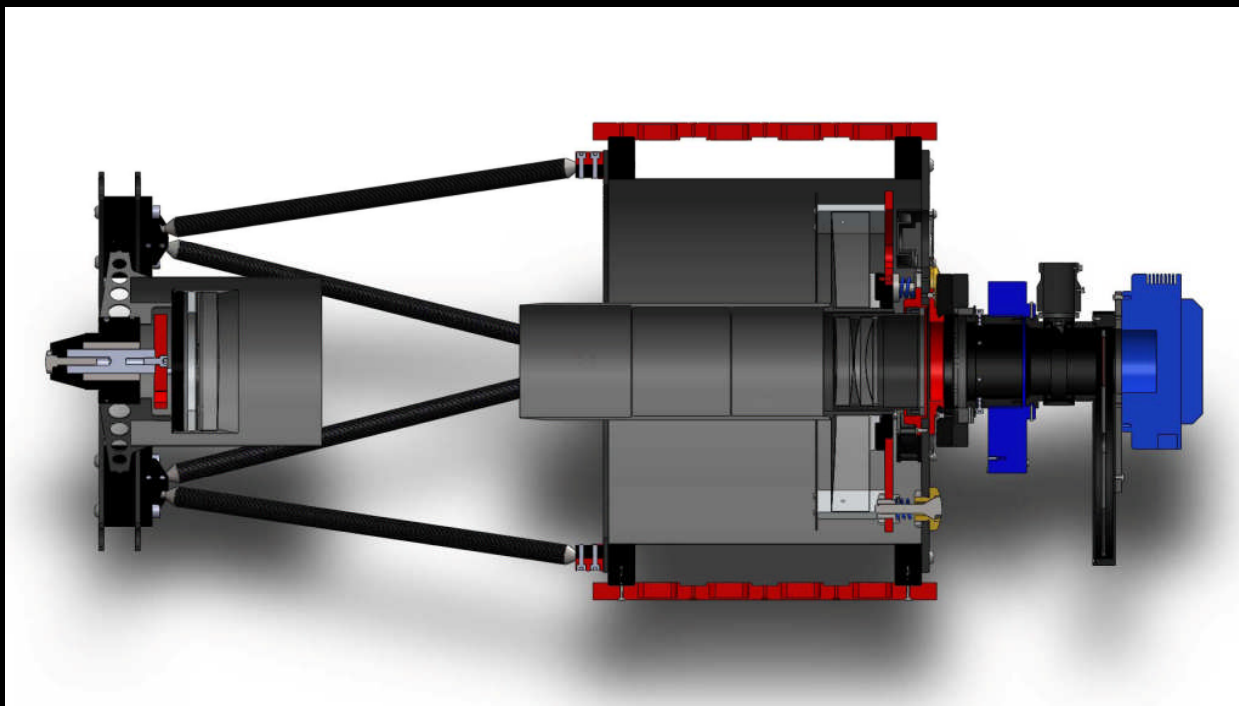
**RMS spot size dimensions (400-800 nm range, 9 micron pixels grid)**



**RMS spot on axis: 0.9 micron**

**RMS spot 30 mm off axis: 3.0 micron**





**Officina Stellare introduces RiDK 305, a revolution in optical design.**

Almost everyone knows about the high level of innovation and technology that comes with any OS products, it's clear at first sight. Many know that we've introduced new optical designs for nowadays demanding marketplace among amateurs and professionals, it is the base of our company, trying to be "smart" and one step beyond.

**So: we did it again!**

Many of our customers are asking us why we don't have a Dall-Kirkham or a CDK telescope between our arsenal of products, well that's because of our way of thinking.

Many other manufacturers just take one classical optical scheme and add some sort of corrector to it, just to have a flatter field and/or a better spot size, we always try to get things better.

The **RiDK 305** (Riccardi Dall-Kirkham) represents the new reference point for all modified Dall-Kirkham instruments available on the market. The unique experience and creativity of Massimo Riccardi, Chief Optical Designer at Officina Stellare, gives birth to a new 305 mm diameter astrograph of superior performance and image quality.

The results are simply amazing: a system delivering more than 60mm large corrected and flat field that is over the diffraction limit on the entire field and, more than this, over a spectra from 380nm to 2000 nm! These outstanding optics are mounted inside the state of the art OS-Truss mechanics used in all the OS open tube architecture telescopes. The same mechanics approved and used from worldwide research institutes for professional studies. The **RiDK 305** is 100% Made in Italy. Optics are made in Occhiobello Plant under the strict quality control of Massimo Riccardi. The mechanics, designed by our R&D Manager, Giovanni Dal Lago, are engineered, manufactured and assembled at the Thiene plant.

The **RiDK 305** is the ultimate astroimaging telescope for whoever desires just the best in imaging all of the deep sky wonders in a beautiful, compact and superbly manufactured instrument. The long back focus allows any type of accessories to be mounted, including cameras and rotators. It's the telescope for anybody who believes that imaging the Universe is one of the most important, serious and fulfilling experience for all night sky's lovers and for those who believe that image perfection is the minimum to which to aspire.

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More on [www.officinastellare.com](http://www.officinastellare.com)!

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Product designs and specifications are subject to change or modification without prior notification.

