

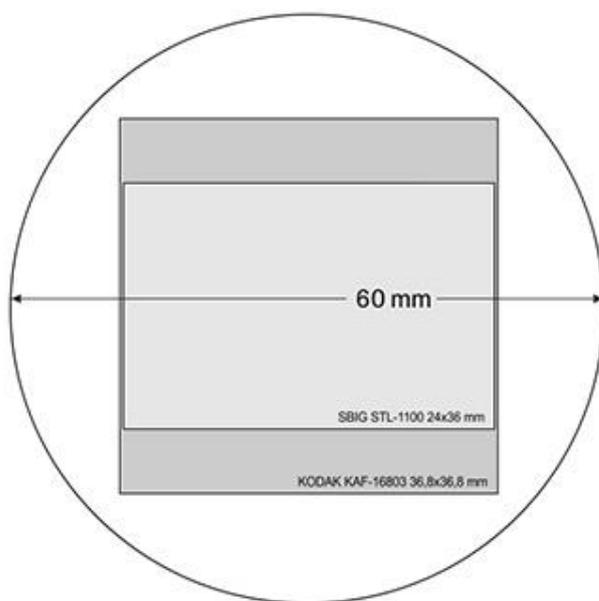
# Alluna 4" Flat Field Reducer x.74

## AFFR Version 1



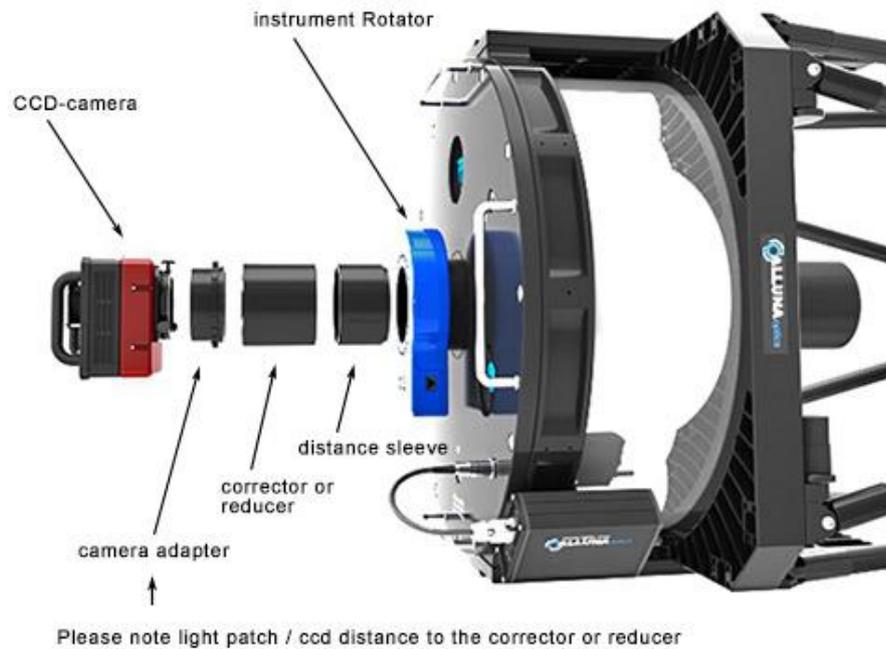
The for 4 inches for the f / 8.0 RC telescopes Alluna Flat Field Reducer x.74 (AFFR) serves two purposes. First, it corrects the image field and at the same time reduces the focal length by a factor of .74. The f/8.0 RC thus becomes an f/ 6.0 system. The picture is even, free of coma and astigmatism. The reducer can be used on all f/8.0 RC systems. To ensure a consistently high quality all corrector housing are manufactured, assembled and tested by us.

The usable field of view of the AFFR is 60 mm vignetting-free, optimized coating of all surfaces is 400-700 nm. The reducer has three lenses and fits with the M100x1 connection to seamlessly to all of our RC telescopes. Everything is tight, nothing can shake.

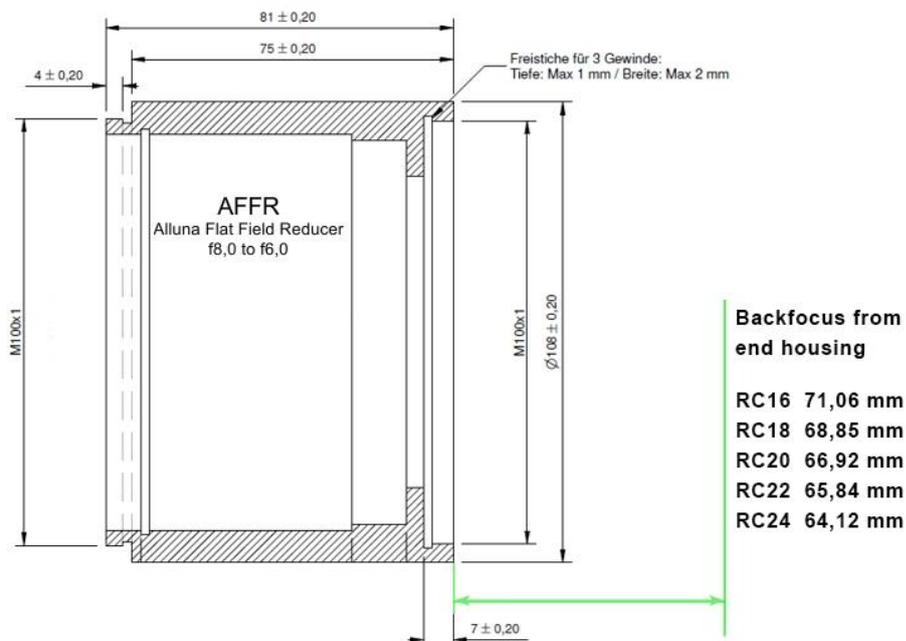


With the reducer AFFR .74x the Kodak KAF-16803 4x4 k CCD sensor with a diagonal of 52.1 mm can be used free of vignetting.

For example connection plan:

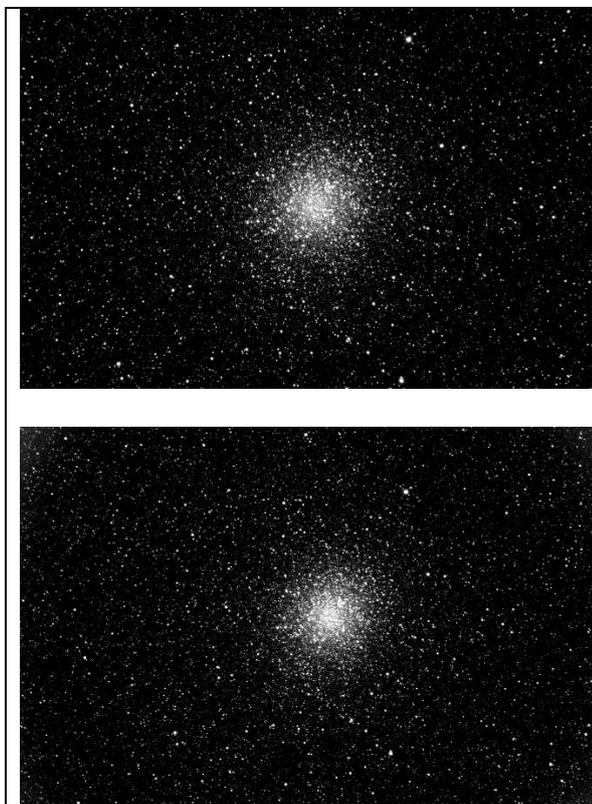
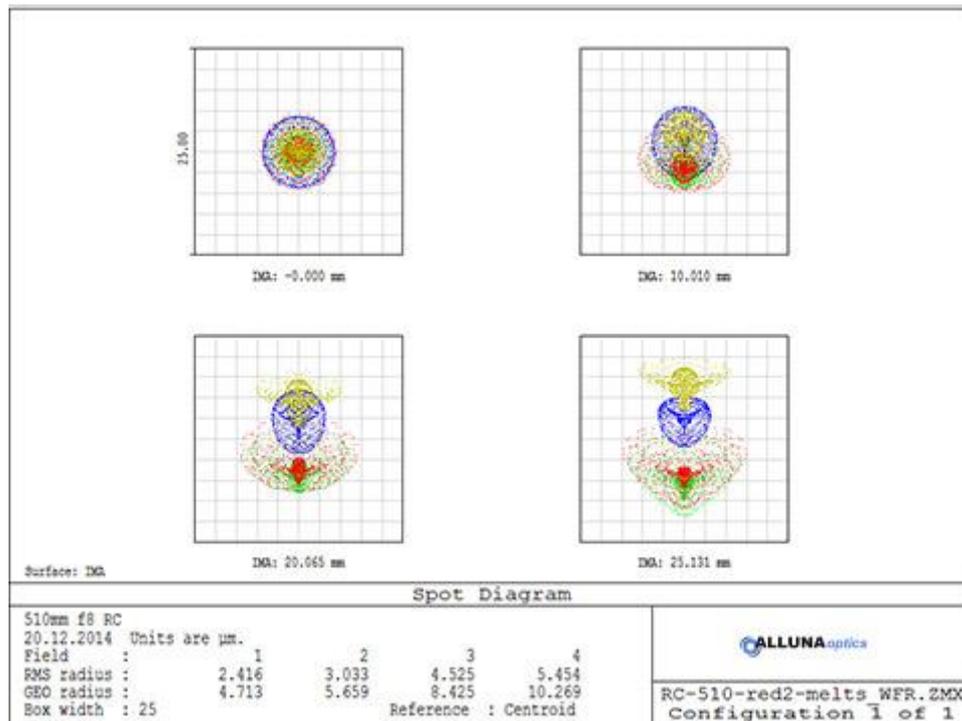


### Dimension and CCD level AFFR



Given is the distance from the end reducer housing to chip level CCD camera. Please note the light path from Your camera, with or without filters, to have the right adapter made. The typical backfocus on the RC Reducer is low, the adapter very short.

### Spot Diagram Reducer AFFR / example RC20



This second example from the globular cluster M22 in Sagittarius is clearer because the RC-Reducer was used allowing 74x about 25% greater image detail. In addition, the exposure time is reduced correspondingly.

Another example of image size AFFC / AFFR



**Note:**

AFFR version 1 differs from AFFR version 2 only by the shape of the housing.  
Version 2 has 4 mm more back focus and a M80x1 connection on the camera side.

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