

Manual

CAA-RF 0,8x Reducer/Field-Flattener for LS80MT, LS100MT & LS130MT

This reducer/field-flattener shortens the focal length by a factor of 0.8x and flattens the field of view for deep-sky astrophotography with the LS80MT, LS100MT and LS130MT series telescopes from Lunt Solar Systems.

Scope of delivery:

- CAA-RF 0,8x Reducer/Field-Flattener
- Adapter to M68x1
- Adapter to M63x1
- Dust caps

Please note:

This reducer/field-flattener is suitable for photography only. It cannot be used for visual observations.

The reducer/field-flattener is suitable for astrophotography at night only, it cannot be used for H-alpha solar photography.

Installing the Reducer/Field-Flattener

The package contains the reducer/field-flattener with screwed-on adapters and attached dust caps. Once you have removed the dust caps, the adapter rings can be unscrewed.



On the upper side of the reducer/field-flattener is the T2 male thread for the connection of the camera and additionally a M39x0.75 female thread.

On the lower side of the reducer/field-flattener is the 2 inch socket and a M54x0.75 male thread for connection to the telescope.



If other threads are required for connection to the telescope, the flat adapter ring can first be screwed onto the M54x0.75 thread of the reducer/field-flattener. Then an M68x1 male thread is provided on the telescope side.

If an M63x1 thread is required, the wide adapter ring can now still be screwed onto the flat adapter ring. Now the M63x1 thread is provided at the bottom.



If the H-alpha unit has been removed from an LS80MT, LS100MT or LS130MT telescope and the telescope has been converted for nighttime use as an ED Apo according to the user's manual, the reducer/field-flattener can simply be plugged directly into the focuser by using the 2 inch socket.

If you use one of the high-quality focusers from the conversion kits 0551330, 0551430 or 0551696, the reducer/field-flattener can alternatively be screwed on securely. To do this, unscrew the eyepiece clamping ring from the focuser.



At the focusers from the conversion kits 0551430 and 0551696 for the LS100MT and LS130MT telescopes, the reducer/field-flattener can now be screwed on with the flat adapter ring with the M68x1 thread. At the focuser from the 0551330 conversion kit for the LS80MT telescopes, the wide adapter ring with M63x1 thread is additionally required.



A DSLR camera with a suitable T2 adapter ring can now be connected directly to the upper side of the reducer/field-flattener. DSLR cameras and the corresponding T2 adapter rings are usually standardized, which means that the required working distance to the reducer/field flattener is automatically provided here.

If you use other cameras you have to keep in mind that the distance between the upper lens of the reducer/field-flattener and the camera sensor must be 50 to 55mm.

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