



*Hans-Georg Esch (Germany):  
“The large image circle of the XL lenses makes  
perspectives for my architectural subjects  
possible which otherwise could not be achieved”*



# SUPER-ANGULON

5.6/38 XL, 5.6/47 XL, 5.6/58 XL, 5.6/72 XL, 5.6/90 XL, 6.8/90

**When the picture has to contain more than the eye sees, and razor sharp**



Only the enormous angle of view makes this camera position possible – very close, with a dramatic vanishing-point perspective – without cutting off the top of the tower



The Super-Angulon on a baseboard camera is a perfect tool for the landscape and architecture photographer

The extremely large angle of view of the Super-Angulon, with a working aperture of up to 120°, offers, on the one hand, a comprehensive overview, e.g., for landscape panoramas, in which the eye of the viewer can literally walk around – thanks, too, to the outstanding sharpness of detail. On the other hand, it makes possible complete views, even under tight conditions of space (narrow streets with tall buildings, interior views) without the barrel-shaped distortion of fisheye lenses (the hotel tower of Dubai in the picture at the left actually has this curved form; it is not the result of distortion!). In addition, there are large adjustment reserves for the correction of converging parallel lines. All these properties, in connection with high resolution and brilliant contrast, make the Super-Angulon especially suited for landscape and architectural photography. The bright focusing image, because of the light loss resulting from the field of view with the diaphragm open, is advantageous for pictorial composition, and for achieving sharp focus outside of the center of the image. When stopping down, there is no resulting axial shift of focus.

To compensate for the light loss, centerfilters are necessary (see pages 20 and 23). The Super-Angulons are also available with a helical mount.



5.6/38 XL + Copal 0



5.6/47 XL + Copal 0



5.6/58 XL + Copal 0



5.6/72 XL + Copal 0



5.6/90 XL + Copal 0



6.8/90 + Copal 0



## Large angle of view, large lenses!

So that the incident marginal rays entering at an angle of 60° from the optical axis with diaphragm open may produce a bright ground-glass image and at working aperture are not vignetted, the front and rear lenses of the Super-Angulon have to have a very large diameter. On the Super-Angulon 5.6/90 XL, the protecting ring can be unscrewed (picture at right, 78 mm diameter without ring), so that this extreme wide-angle lens is usable on cameras with a small lens board, e.g., on baseboard and compact outdoor cameras, which are favored in landscape, architectural, and industrial photography. Without the lens protection ring, the lens must be used with great care, and should not be removed with the rear component pointed downward, because the rear lens would then project beyond the edge of the rear mount.



SUPER-ANGULON