Moisture-proof armatures

To use the short-wave UV radiation with a good effectiveness, special armatures should be used for TUV lamps. A reflector bundles the radiation, and the plastic parts are protected additionally. Aluminium is used as material, which has quite good characteristics of reflection in the UVC range. However, the reflector also serves as a visual protection when the armature is mounted in the reverse direction, directed towards the ceiling.

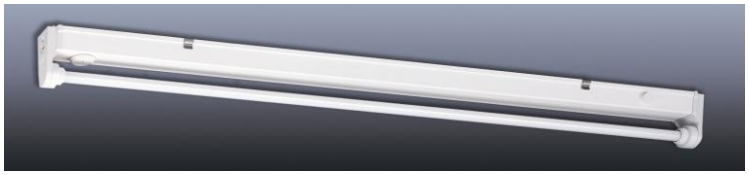
The following moisture-proof armatures are deliverable:

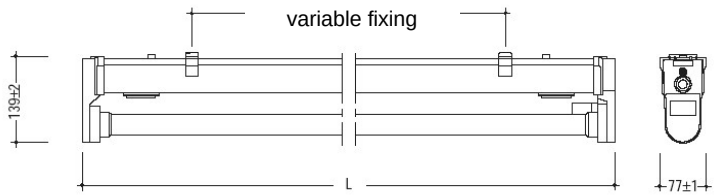
type	for lamp	dimensions L x W* x H [mm]
TF 15	TUV 15W	478 x 125 x 139
TF 30	TUV30W	935 x 125 x 139
TF 36	TUV 36W	1240 x 125 x 139
TF 55	TUV 55W	935 x 125 x 139

TF 15, 30 and 36 deliverable, TF 55 on request
* width with reflector

Delivery include the armature with choke, starter and reflector.

Delivery does not include the lamp. Please order separately!





armature with reflector and UV lamp

Application for disinfection of ambient air:

The UV air disinfection is used to reduce the risk of infections of men with pathogenic germs. Therefore, this area of application is one of the most important and promising after water disinfection where UV radiation is a approved standard in the meantime. The second possible way to transfuse germs by contact infection is hardly available for UV disinfection, especially when the hit rate is decreased by formation of shades.
A 100% killing of germs is impossible, but in most cases not necessary. The experience shows that it is generally enough to reduce the number of germs significantly in case of air disinfection. As infection diseases are often established by both contact and air infections the UV disinfection is especially advised in areas with a high risk of infections like for example in **hospitals, pediatric clinics, baby wards, operating rooms, waiting rooms and similar locations** (in principle the same arguments fit for the disinfection of ambient air for non-medical areas).
In general, ambient air is irradiated with a relative low UV radiation power. The highest efficiency in air disinfection is reached when each beam reclines the highest possible distance before it is absorbed by a surface.
The disinfection armatures can be used in different ways, for direct and/or indirect irradiation of rooms, for disinfection of workplaces, as UV radiation barrier between two rooms or in air-conditioning systems.

UV radiation is dangerous for skin and eyes. Please guarantee that nobody can look into the UV light or is exposed the irradiation! If this can't be guaranteed, eyes and skin must be protected adequately. In case of indirect irradiation of room with people please check the level of reflection to observe the valid rules of health protection! Please note that all materials will be damaged if they are not stable against UVC!