

Lamp Type SP-9/SP-X Fiber Line-up

Optical fiber units can be selected based on number of branches, length, and radiation diameter to meet the features of a newly developed light source.

Various kinds of UV radiation are available by combining high-irradiance-type SF fiber or standard-type AF fiber with “A”, “B”, or “P” tip lenses, each having a tip lenses, each having a different radiation distance and radiation diameter, or with a fine lens that can easily access a narrow place.

Standard Quartz Fiber Specifications

	Type SF	Type AF
Fiber diameter	φ5mm	φ3.5mm
Number of branches	1~4	1~4
Fiber length	1m	1m

※More than 4 branches are available.
※Other fiber diameters and lengths are also available by ordering.



USHIO's unique system allows the radiation diameter to be changed by a combination of tip lenses.
※The "fiber tip protective cover" is available as an option to prevent the fiber tip from being contaminated by out gas.

Type SF

No lens

(A, B, P lens mounted)

(SFH lens mounted)

(NSF lens mounted)

(Uniform radiation lens mounted)

Type AF

No lens

(A, B, P lens mounted)

(AFH lens mounted)

(NSF lens mounted)

X059 lens (folded lens) mounted

In addition to the rich lineup of standard products, custom-ordeved fiber units (such as those with square or ring radiation shapes) and multiple-branch types are available upon request.

Fiber samples of different radiation shapes (custom-ordered products)

Numbers in blue are illuminance values (for 250w output)

※For more information about custom-ordered products, please contact our sales.

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Type SF

Intensity comparison by number of branches (referential value)

(For UIT250/UV-D-S365 when the number of branches is 1, the length is 1m, and the power is 250W)



Intensity comparison by number of branches (referential value)

(single branch, 1 m fiber length, 200/250W-switchable, for UIT-250)

