

Equipment with photoperiod

- The photoperiodic (FOT) and phytotron (FIT) systems allow day and night simulation in ST and ILW cooled incubators. The basic difference between the FOT and FIT functions is that in the first case, the light can only be turned on and off in the program, and in the second, you can additionally control its intensity.

The ST and ILW cooled incubators in Smart versions can be equipped with the FOT system.

FOT option advantages

- day and night simulation software - for each segment it is possible to program temperature, duration time, fan and light efficiency (ON / OFF)
- temperature range for "night": +3°C... +50°C and -10°C... +60°C (for IL with ILW/T option)
- temperature range for "day": +10°C...+50°C
- 840 fluorescent tube lamps installed in side walls in ST cooled incubators; in door or ceiling in ILW cooled incubators
- with FOT option the equipment operates with time priority (see page 83)
- automatic defrosting function in standard

Photoperiod (FOT option)

	ST FOT2	ST FOT4	ST FOT6	ST FOT8	ST FOT10	ST FOT15	IL FOT2S	IL FOT3S	IL FOT5D	IL FOT6D	IL FOT8D	IL FOT10D
available for models	ST 1 ST 1/1 ST 1/1/1	ST 2 ST 2/2	ST 2 ST 3 ST 2/2	ST 4 ST 5	ST 500 ST 700	ST 1200 ST 1450	ILW 53	ILW 115	ILW 53	ILW 115 ILW 240	ILW 240 ILW 400 ILW 750	ILW 750
temperature range with photoperiod [°C]	+10 ... +50											
number of lamps in door	-	-	-	-	-	-	-	-	5	6	8	10
number of lamps in ceiling	2	-	-	-	-	-	2	3	-	-	-	-
number of lamps in side walls	-	4	6	8	10	15	-	-	-	-	-	-
adjustable illumination intensity	no											

*for the ST series with the FOT option, the internal dimensions of the chamber are reduced by 4 cm on each side, the FOT option must be ordered together with the equipment! It is not possible to purchase this option later.

Application

- microbiological tests
- plant growing, microorganisms breeding at precisely controlled environment
- photostability tests

