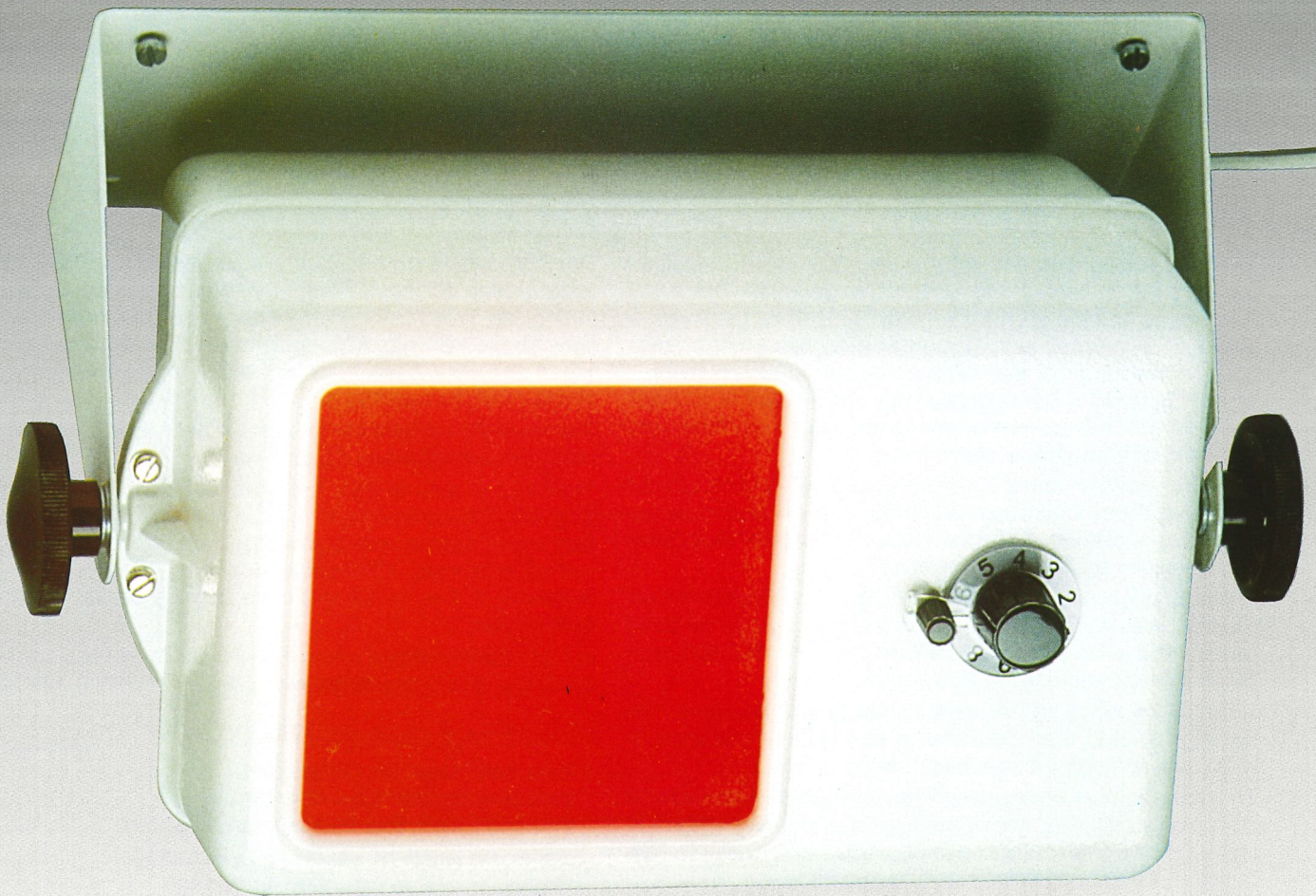


Darkroom Safelights



Safelights providing a high level of illumination for X-ray film processing without the danger of causing fog.

Model 50001: Emits yellow light for processing of blue-sensitive X-ray films.
Model 5418: Emits red light for processing of green-sensitive X-ray films.

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Darkroom Safelights

Objective:

A good safelight should illuminate the darkroom equally to avoid the eye having to adapt to different brightness levels and to allow comfortable working. The light must have a spectrum which is agreeable to the human eye and does not fog X-ray film.

The human eye has the greatest sensitivity in the range of yellow light. This light can be used at a high brightness (model 50001). For green-sensitive X-ray films red light is necessary (model 5418), to which the human eye is less sensitive. In both cases an even distribution of the light is essential.

Conventional safelights fulfil this task inefficiently. They must be mounted at a relatively short distance over each work bench, thus illuminating a small field only.

PTW-safelights meet all requirements. They emit light of high brightness for comfortable working.

Both models are supplied with crypton lamps and Schott filter glasses, so that only light of the desired wave length illuminates the darkroom.

Safelight Model 50001 (yellow light)

The PTW-safelight model 50001 is identical with the safelight model 5418, except the lamp/filter combination. Since the human eye has the greatest sensitivity in the range of yellow light a 25 W crypton lamp in combination with a Schott filter glass is sufficient for the safelight model 50001. By using a special lamp/filter combination only yellow light is emitted. This light fulfills the requirements for sensitive X-ray films used with and without intensifying screens.

The brightness of model 50001 can be adjusted continuously to provide the optimum level of light for each darkroom using a built-in control knob. A scale shows the position of the control knob, which can be locked mechanically.

The high brightness of the PTW-safelight model 50001 allows indirect illumination of the darkroom. The light is directed against the ceiling or the walls, and the reflected light provides a comfortable, even illumination.

Direct illumination of the work bench is also possible. The safelight should then be installed at a greater distance, to illuminate as large an area as possible.

The standard version of safelight model 50001 is supplied with a bracket suitable for wall or ceiling mounting. For particularly large rooms a special version (model 50001a) is available. This is equipped with chains for ceiling mounting.

Technical data:

Mains:	115 V / 230 V; 50 - 60 Hz (to be specified when ordering)
Power consumption:	Model 50001: 25 W Model 5418: 40 W
Dimensions:	35 cm x 17 cm x 20 cm
Weight:	4.4 kg approx.

Subject to change without notice. 0795 - 1B - 2

Safelight Model 5418 (red light)

The PTW-safelight model 5418 is supplied with a 40 W crypton lamp of high luminous efficiency and a homogenous Schott filter glass. This combination of lamp and filter emits only red light above 630 nm. The light meets the requirements for green sensitive X-ray films and other high sensitivity films, which must be handled only with red light.

The safelight model 5418 is supplied with a control knob for continuous brightness adjustment.

The crypton lamp and the filter glass of model 5418 both have long life. The replacement cost for the lamp is low. The safelight model 5418 is equipped with a bracket suitable for wall or ceiling mounting. The safelight should be mounted at a distance of 1 m to 1.5 m above a work bench for direct illumination.

For particularly large rooms a special version (model 5418a) is available. This is equipped with chains for ceiling mounting.

Ordering Information:

	Ordering No:
- Darkroom safelight, yellow light, including bracket for wall or ceiling mounting, including packing, model 50001	T 50001
- Darkroom safelight, yellow light, including chains for ceiling mounting, including packing, model 50001a	T 50001a
- Replacement lamp for model 50001 and 50001a	L 379005
- Darkroom safelight, red light, including bracket, for wall or ceiling mounting, including packing, model 5418	T 5418
- Darkroom safelight, red light, including chains for ceiling mounting, including packing, model 5418a	T 5418a
- Replacement lamp for model 5418	L 379004

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