

# OL-01, OL-11, OL-21, OL-31

SAFELIGHTS FOR A PHOTOGRAPHIC USE

## Characteristics

The safelights of the OL-xx series are designed for a safe illumination of photo laboratories or other places assigned for working with photographic materials such as dark chambers, medical or NDT developing laboratories and production places. The safelights provides practically exact monochrome light with unlimited lifetime, and the spectral composition of the light source is not changed during the time. The safelight is practically not heated and it has minimum power consumption.

## Description

The safelights consist of a steel or plastic cover with the built-in electronics. The light source is provided by a light emitting diodes (LED) chain. Different types of safelights can be used according to requirements (local lighting for example for a lighting of input tray of film processors, or lighting of the whole space of the photo laboratory). The safelights differ in dimensions, number or LEDs, and in spectral emission (colour) of Survey of delivered types light. The illuminators are made for line voltage of 220-240VAC 50-60Hz as default. When required, the safelights for line voltage 24VDC or AC can be supplied. OL-01 battery safelight is a mobile hand-held type. In special cases, when working with more types of photographic materials, safelights with switchable light colours (for example yellow / red for blue or green sensitive X-ray films) can be used.



## Survey of delivered types

safelight type	line voltage			power VA	light colour	dimensions (lxwxde) mm	number of LEDs	lighting kind
	2,4-3V/DC (batt./acu)	230 V/AC	24 V/DC/AC					
OL-01 hand held	● <sup>1)</sup>	–	–	0.1	red	85x50x22	2	local
OL-11 standard	–	●	–	0.5	yellow	95x65x35	3	local
OL-11 ortho	–	●	●	0.5	red	95x65x35	3	local
OL-11 dual	–	●	●	0.5	switch   able <sup>3)</sup>	95x65x35	6	local
OL-11 green	–	●	●	0.5	green	95x65x35	3	local
OL-11 infra	–	●	●	0.5	near infrared <sup>4)</sup>	95x65x35	3	local
OL-21/590	–	●	●	8	yellow	500x75x50	48	spatial
OL-21/555	–	●	●	8	green	500x75x50	48	spatial
OL-21/630	–	●	●	8	orange	500x75x50	48	spatial
OL-21/660	–	●	●	8	red	500x75x50	48	spatial
OL-31/ 590	–	●	●	4	yellow	245x75x50	24	spatial
OL-31/555	–	●	●	4	green	245x75x50	24	spatial
OL-31/630	–	●	●	4	orange	245x75x50	24	spatial
OL-31/660	–	●	●	4	red	245x75x50	24	spatial
OL-31/925	–	●	●	4	near infrared <sup>4)</sup>	245x75x50	24	spatial
OL-31/dual	–	●	●	4	switch   able <sup>3)</sup>	245x75x50	46	spatial
OL-31/mobil	–	● <sup>2)</sup>	● <sup>2)</sup>	4	red	245x75x50	24	spatial

<sup>1)</sup> supplying: 1.5V AA batter (2 pcs) or 1.2V NiCd accumulator, chargeable without removing from the case

<sup>2)</sup> switchable line voltage for a mobile work places (supplying from the mains or a vehicle accumulator)

<sup>3)</sup> switchable from yellow to red colors

<sup>4)</sup> near infrared (app. 925 nm) for using with image converters or infrared-sensitive TV cameras

## Suitability for photographic materials

material type	red	orange	yellow	green	near infrared
b/w papers	●	●	●		○
multigrade papers	●	●			○
unsensitized graphic films	●	●	●	●	○
orthochromatic graphic films	●				○
special (photoplotter) graphic films			●	●	○
blue-sensitive medical X-ray films	●	●			○
green-sensitive medical X-ray films	●				○
industrial (NDT) X-ray films	●				○
panchromatic films					○
color papers			●		○