

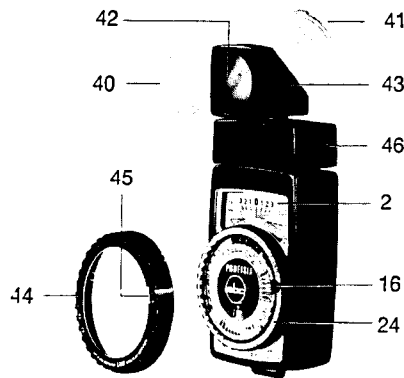


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PROFI-lux

- 1 Spherical diffusor of the PROFISIX
(see instruction manual of the PROFISIX)
- 2 Meter scale
- 16 Black cover for red signal
- 24 Computer ring
- 33 Front shield for accessory jacks
(see instruction manual of the PROFISIX)
- 40 Hemispherical diffusor dome
- 41 Flat plane diffusor
- 42 Measuring aperture
- 43 Storage for unused diffusor
- 44 Lux ring
- 45 Notch at the lux ring
- 46 Ribbed sides



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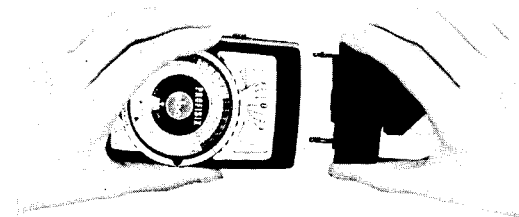
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The PROFI-lux attachment combines a large integrating hemispherical dome with 360° swivel capability to make incident light measurements in the studio or on location with single or multiple sources of light much faster and more convenient. In addition a flat plane diffusor and snap-on lux scale are provided for direct read-out in photometric terms of incident light values with measuring range from 0.2 to 200 000 lux.

Attaching to the meter

Remove the detachable front shield (33) covering the accessory jacks from your PROFISIX. Slide the hemispherical diffusor (1) of the PROFISIX to the right.

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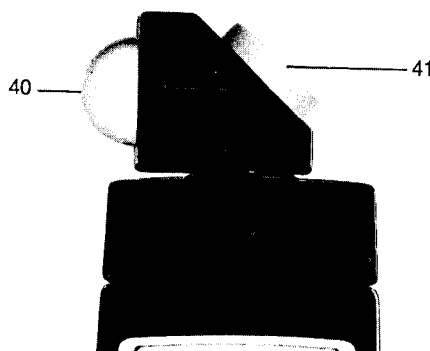


Align the PROFI-lux attachment with the front of the meter so that the plugs on the attachment are opposite the jacks in the meter. While holding the PROFI-lux by its ribbed sides (46), push the accessory straight on to the meter. When attaching or removing the accessory make sure to pull or push it straight in or out, otherwise the plugs or jacks may be damaged.

Two diffusors are included with the attachment: For incident light measurements in photographic situations, the large hemisphere (40) is used (page 8). For lux measurements the flat plane diffusor (41) is used (page 16). To remove a diffusor, turn it counterclockwise until the retaining tabs line up with the slots in the housing and then pull straight out. To replace a diffusor, line up the retaining tabs with the slots in the housing. Insert the diffusor and turn clockwise until it snaps into place. The unused diffusor can be stored in the support (43) on the back side of the attachment.

Note: You cannot measure with the PROFI-lux without one of the diffusors being placed on the measuring aperture!

Taking a reading



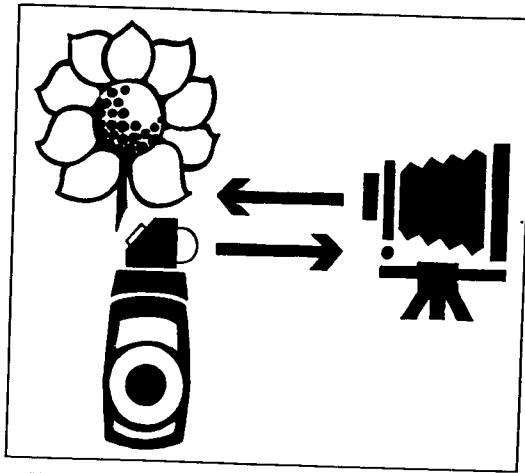
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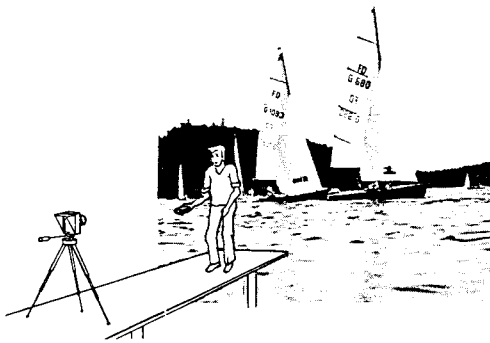
Professional incident light measuring



While at the subject position with your PROFISIX + PROFI-lux attachment, point the hemispherical diffusor (40) placed above the measuring aperture (42) towards the camera.



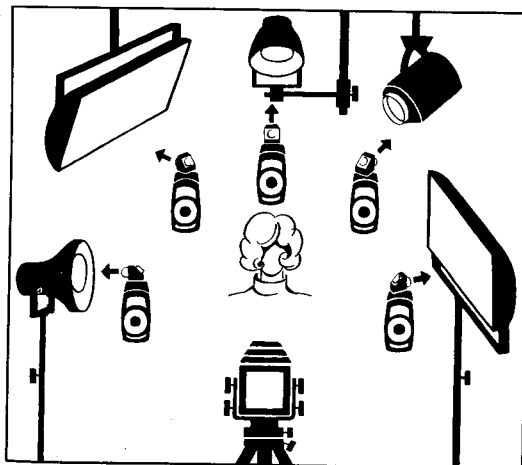
Take a reading as you would normally with the meter. The attachment automatically gives you a direct read-out. For convenience in operation, the swivel head can be turned in any direction. The swivel mechanism allows 360° rotation with no restrictions. The hemispherical diffusor gathers all the light that falls on the sight of the subject facing the camera. Because the strength of the light is measured directly, errors normally associated with contrast subjects are eliminated.



Taking an incident light reading at a substitute spot

When your subject is inaccessible you take a substitute reading from a suitable location. Pick a spot which receives the same illumination as your subject and take a reading in a direction parallel to that you would use if at the subject. This convenient method is also useful for regular outdoor scenes. While at the camera, simply turn around and measure the illumination opposite the direction the camera faces.

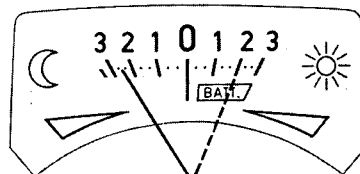
Please refer to the instruction manual for the PROFISIX for additional information on incident light and contrast measurements. This is valid for the combined unit of PROFISIX + PROFI-lux, too.



Measuring lighting ratios

When working with multiple light sources, it is important to know the strength of each light. The PROFI-lux attachment makes measurements of lighting ratios easy. Please read also page 24 of the instruction manual for the PROFISIX. The swivel head simplifies this measurement, as it permits aiming exactly at the subject to be measured. Set the PROFISIX to "extended measurement" (see page 8 of the PROFISIX manual) and read the light ratio directly from the face of the meter (scale 2) in terms of EV levels.

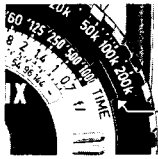
You may, of course, determine the lighting ratio also by switching on one light source after the other and measure them successively.



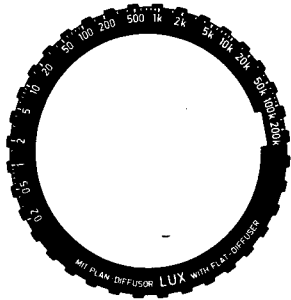
In this case, the lighting ratio is 4 1/2 EV.

Professional filmers prefer readings in lux when measuring contrast ratios. A flat plane diffusor (41) and the snap-on lux scale (44) are provided for that purpose (see page 16 and following ones).

Lux measurements



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In order to get true lux readings, a flat plane diffusor (41) must be used. This diffusor is supplied with the PROFI-lux attachment and should be placed on the measuring aperture (42) when measuring lux. A ring shaped lux scale is supplied in a special compartment of the leather case. Simply snap this ring onto the computer ring (24) of the PROFISIX and align the notch (45) of the lux ring (44) with the black signal cover (16) of the meter. Before attaching the lux ring (44), make sure the exposure correction dial is set in its standard position and that the red signal is entirely covered by the tab (16). To remove the lux ring (44), press from below against the protruding parts at the sides of the PROFISIX and lift it off.



Operate the PROFISIX in a normal manner. After nulling the needle, you can measure illumination intensities from 0.2 to 200 000 lux (200 k = 200 kilo-lux = 200 000 lux) and read then off the lux scale opposite the zero mark of the meter. Be sure to look down vertically on the meter when taking a reading. In this case, too, the swivel head of the attachment

simplifies the measuring procedure. The flat plane diffusor (41) is also ideal for checking the evenness of the lighting on flat areas.

Modifications reserved

Note:

We also manufacture special luxmeters and foot-candle meters such as PANLUX electronic and MAVOLUX electronic. They meet all requirements as to cosine correction and V_{λ} curves in the proper sense of the laws of physics. These meters are also ideal for all experts in lighting and illumination.

If repair or adjustment should ever become necessary, please send your PROFI-lux, carefully packed, to:

GOSSEN GMBH
 Servicestelle B
 Nägelsbachstraße 25
 D-8520 Erlangen

or to the GOSSEN agency in your own country. To expedite handling please **send your PROFI-lux only – without case or accessories.**