



Imager Lenses

The dedolight projection attachment employs interchangeable lenses with different focal lengths to produce various angles and image sizes similar to the way lenses are used on a camera. 60 mm or 85 mm lenses for projecting a larger image.

The 85 mm lens can project an image with a diameter of 135 cm (53") at a distance of 2 m (6-1/2'). The 185 mm lens can project an image with the same diameter (135 cm / 53") at a distance of 5 m (16').

Note: Refer to "Photometrics" on page 93 for additional projection data.

These projection lenses are specifically designed for the dedolight system. They are high quality lenses with metal barrels designed to withstand high heat.

DPL60M 60 mm lens, f / 2.4.
General purpose, wide angle lens.
Weight: 150 g (5.3 oz.)

DPL85M 85 mm lens, f / 2.8.
Standard projection lens. Supplied as standard part of DP1 and DP2.
Weight: 153 g (5.4 oz.)

DPL185M 185 mm lens, f / 3.5.
Has the longest focal length of the dedolight projection lenses.
Weight: 516 g (1.1 lbs)

DPLZ120M 70-120 mm zoom lens, f / 3.5.
Variable focal length lens allowing precise adjustment of image size.
Weight: 516 g (1.1 lbs)

DPLZ150M 85-150 mm zoom lens, f / 3.5.
Variable focal length lens allowing precise adjustment of image size.
Weight: 516 g (1.1 lbs)

DPX Extension tube
Works like a macro extension tube on a camera. Mounts between the projection attachment and projection lens. Extends the projection attachment by 60-100 mm. For projecting light and shadow shapes at short distances and for very small effects.
Weight: 105 g (3.7 oz.)

The Imager

dedolight projection attachments are used to produce defined light and shadow patterns with absolute precision and infinite variations. They fit the front accessory slot of the DLH200DT daylight / tungsten focusing light head and all classic dedolights (except the DLOBA² on-board light).

Because the dedolight and its projection attachment are a uniquely matched optical system, effective output is greater than offered by other fixtures with much higher wattage.

dedolight projection attachments produce a clean shadow, high resolution and sharpness, as well as unrivaled contrast between black shadow and clean light with absolutely no color fringing. Use of interchangeable lenses controls size and intensity allowing working ranges from table top close-ups to longer distances.

Our projection attachments have been used on Fresnel lights of other manufacturers, but unfortunately, with a sacrifice in light efficiency and image quality.





DP1 Imager Projection Attachment

The DP1 Imager offers the greatest versatility with a spring loaded accessory slot to accept a wide range of imaging accessories.

DP1 Universal Imager

Supplied with an 85 mm metal-mounted lens (DPL85M) and soft storage pouch.

Weight: 437 g (15.4 oz.)

DP10 Universal Imager

Same as DP1 but without lens.

Weight: 284 g (10 oz.)

DPFS Framing shutter blades
Supplied in a set of four. You can insert 3, 4 or even 5 of these framing shutter blades to form triangles, squares, rectangles, trapezoids and other shapes.

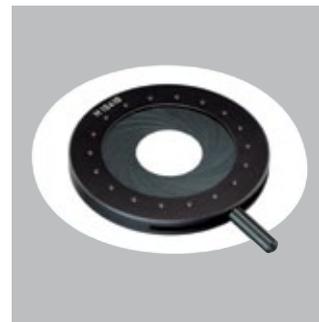
Weight: 28 g (1 oz.)



DPIR Iris

A fullmetal iris allowing the creation of almost perfectly round images in varying sizes. The standard dedolight iris features a continuous movement of 18 leaves.

Weight: 48 g (1.7 oz.)



DPGH Gobo holder

A two part holder for round, standard M size Ø 66 mm metal gobos (shadow patterns).

Weight: 22 g (0.8 oz.)

DPGGH Glass gobo holder

A two part holder for round, standard M size Ø 66 mm glass gobos. Will hold 1.75-5.25 mm thick gobo.

Weight: 26 g (0.9 oz.)



DPSH Slide holder

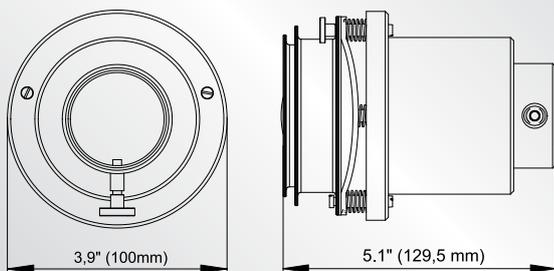
Accepts any mounted 35 mm transparency.

Weight: 45 g (1.6 oz.)

DPACP Accessory pouch for Imager/Projection attachment. Four compartments for gobos, scrims, filters, framing shutters, etc.

Note: When using the DPSH slide holder and DHF heat filter, the maximum lamp watt- age should not exceed 100W. The heat filter will sustain transparency life for short periods. If more light output and longer transparency life is desired, use the DP3 imager with forced aircooling. The DP3 also offers image plane adjustments to maintain edge-to-edge sharp focus when projecting off-axis.

Technical Drawing: DP1



Warning: Use only in conjunction with the dedolight heat filter (DHF).

DHF Heat filter

This glass filter with heat reflective coating, round metal frame and plastic safety handle reduces heat reaching the inserted transparency.

Note: Some temporary loss of effectiveness when used for considerable duration.



Gobos

Hundreds of standard 'M' size gobo patterns are available to fit the DP1 and DP3 projection attachments. Request a gobo catalog to see available images that include, but are not limited to trees, foliage, clouds, windows, venetian blinds, church windows, floral patterns, snow flakes, sky elements, abstract patterns, city symbols and a wide range of graphic patterns.

DPG Standard gobo

Standard 'M' size, steel, fits classic imager. Requires DPGH gobo holder.

Overall size: Ø 66 mm (2.5"), Image size: Ø 50 mm (2")

DPGC Custom gobo

We also supply custom-made gobos. These are popular for the projection of company logos, product names, store signs, etc. Standard 'M' size, steel, fits classic imager. Requires DPGH gobo holder.

Overall size: Ø 66 mm (2.5"), Image size: Ø 50 mm (2")

DPGG Glass gobo

High resolution glass gobos, size 'M', fits classic imager. Requires DPGGH gobo holder.

Overall size: Ø 66 mm (2.5"), Image size: Ø 50 mm (2")

DPGGC Custom glass gobo

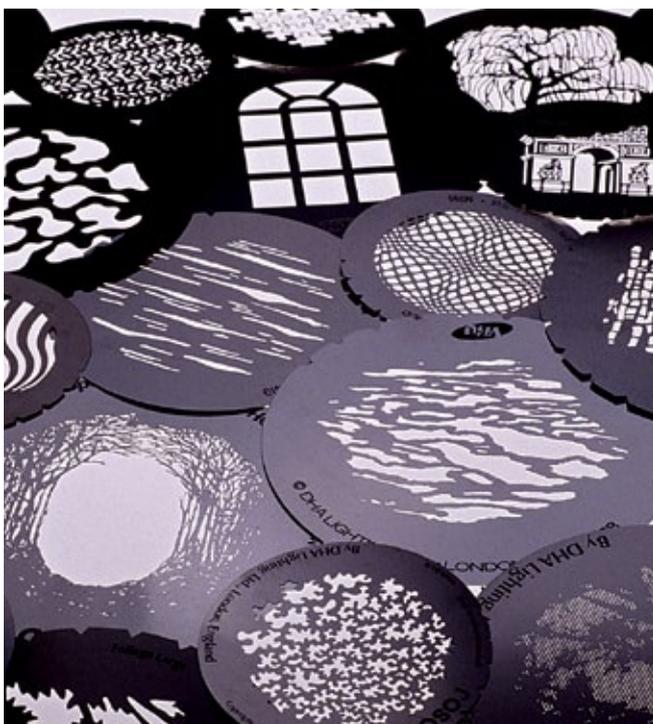
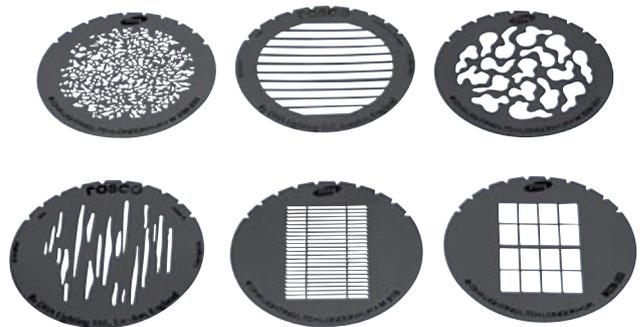
Custom made high resolution multi color glass gobo. These are popular for the projection of company logos, product names, store signs, etc. Standard 'M' size, glass, fits classic imager. Requires DPGGH gobo holder.

Overall size: Ø 66 mm (2.5"), Image size: Ø 50 mm (2")

Hint: Gobo projections add a choice of moods to the setup. Combine with subtle color effects. Throw projected image out of sharp focus to add more depth to the image composition and achieve a "film look" to your video images.

DPGSET Gobo set (6 gobos)

Gobo sets are available in 'M' size for the classic series DP1 and DP3. Gobo sets are a selection of useful patterns which are projected on a background to bring mood to the image and create a feeling of depth. Gobo sets are also available in 'A' size (DPGSET400) for the DP400 imager.





DP2 Imager Projection Attachment

All optical qualities are identical to those of the universal imager (DP1).

The DP2 does not accept other accessories such as an iris, gobo holder or slide holder but is compatible with the DPEYESET (p. 52) eye attachment.

- The four shutter blades are built in and cannot be lost.
- A thin separator disc keeps the four blades from touching each other, eliminating the risk of accidentally moving one blade while manipulating another.
- The DP2 projection attachment was designed especially for gaffers and others who may need to change the projected shape frequently.

DP2 Framing Shutter Imager

Supplied with an 85 mm metal mounted lens (DPL85M) and storage pouch.

Weight: 494 g (1.1 lbs)

DP20 Framing Shutter Imager

Same as DP2 but without lens.

Weight: 340 g (1.2 oz.)



DP3 Imager Projection Attachment

Slide and gobo projection imager with forced air cooling and adjustable image plane. All optical qualities and projection characteristics are identical to those of the universal imager (DP1), including the use of interchangeable lenses for controlling image size and working at different distances.

The DP3 features a built-in multispeed fan with in-line power supply and a high efficiency cooled heat reflecting filter. It allows the use of 35 mm transparencies for prolonged periods even with 150W Aspherics² light heads or the DLH200DT daylight / tungsten focusing light head.

The image plane adjustment allows edge to edge focus even for off axis projections with combined vertical and horizontal correction.

Either framed 35 mm transparencies or M size gobos can be inserted by two individual holders.

DP3 Slide and 'M' size Steel Gobo Imager

Supplied with an 85 mm metal mounted lens (DPL85M) and storage pouch. Includes multispeed 12V power supply for fan.

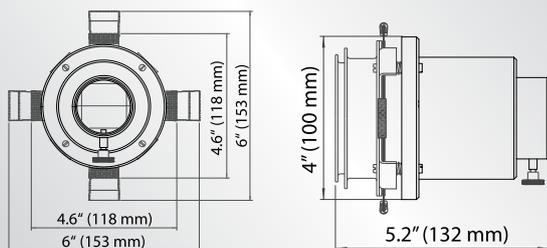
Weight: 815 g (1.8 lbs)

DP30 Slide and 'M' size Steel Gobo Imager

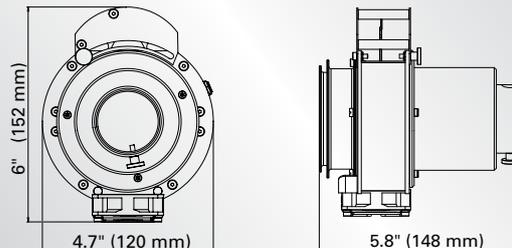
Same as DP3 but without lens.

Weight: 661 g (1.5 lbs)

Technical Drawing: DP2



Technical Drawing: DP3





DPEYESET Eye filter attachment

The eye attachment consists of three filters (#1 - #3) and a filter holder which fits all classic Imager projection lenses and the DP400-185 (Imager 400). It can accept one, two or three filters simultaneously, providing seven different variations for softening the shadow edge. Weight: 99 g (3.5 oz.)

DPEYESET Eye Attachment

As long time users of dedolight equipment know, our system never stops growing. Many of the developmental ideas for the dedolight evolved from discussions with directors of photography, lighting designers and gaffers. We welcome your suggestions and challenges.

The novel idea for the eye attachment came from Director of Photography, Julio Macat. Before shooting feature films like "Home Alone," he had worked on many music videos. He loves to highlight the actors' eyes. In the past, he used dedolights with barn doors for this effect. We suggested using the dedolight projection attachment but found that, even when unfocusing the lens, the effect was too harsh. Traditional diffusion materials or various camera filters did not improve the effect.

This gave us the idea of developing special filters for creating soft-edged effects. The purpose being to soften the shadow edge in various degrees without causing a lot of stray light. These new filters are different from traditional diffusion filters.

We now offer three filters:

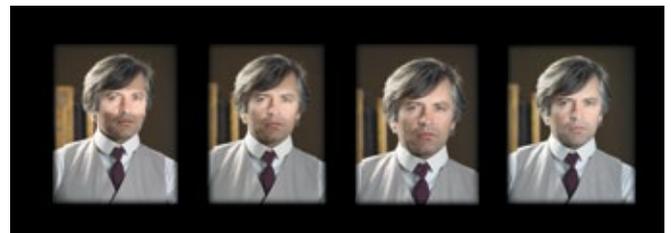
The weakest filter (#1) just takes the edge off a shadow border. Using the strongest filter (#3) or a combination, one can create a transition so gentle and flowing that the effect is no longer obvious. What remains is a beautifully glowing effect. We have called this filter set "Julio's Eyes" because of its history.

This innovation has become a unique and very helpful tool when shooting commercials, product photography, tabletops and many other subjects.

The effect of these three filters can be fine tuned by the focusing range of the projection lens.

An additional variation is achieved by focusing the dedolight head itself.

The images on this page show only two of many possible uses for the eye attachment and its filters.



DPEYEP Pouch for DPEYESET attachment and three filters.

