

Simple lighting techniques

Start your projects off with these effective lighting recipes

HIGH CONTRAST LIGHT AT 90°



A horridly results achieved with unmodified light. Using a single flash placed at this angle can create sunburning results, though. The bright and deep shadows leave skin texture and create stark shadows and bright highlights. Without a diffuser, the quality of light will be high contrast and if placed near the subject it will create problems with fall-off where light is spread unevenly across the face. By using a reflector, shadows will be deep.

DIFFUSED LIGHT AND REFLECTOR



This is a much better set-up where the same light source is softened with a diffuser and a reflector. Diffusers give their softer effect as daylight cloud covers, spreading light from a single source into larger area. The diffuser will reduce the intensity of your flash unit, so you may need to dial up the output of the flash head, but the effect will be more flattering. The reflector works by bouncing some light back onto the until side of the face.

KEY

Diffused light (single flash with diffuser)

Single Flash, Reflector

Single Flash, Diffused

HIGH CONTRAST LIGHT AT 45°



With a similar effect to the first shot, this type of lighting reveals the darker side of your subject's face. Placed at 45° to your subject, this light won't pick up as much skin texture, but it won't give the face an even kind of flattening aspect, regardless of the pose. Only one half of the face will be illuminated and, without any reflector, the other half will become a silhouette.

HIGH CONTRAST AT 45° WITH REFLECTOR



A much better blend of lighting set-up that reveals the three-dimensional characteristics of the face. Used in conjunction with a reflector, there is bright and reflection, which is only the visible difference between the lit and reflected sides of the face. This light, in combination, creates a more three-dimensional, even, skin, than 90° unmodified lighting. Much more flattering and a real shooting power for most portrait photographers. To darken the shadows, pull the reflector away from the subject.

LOW CONTRAST AT 45° WITH REFLECTOR



With the addition of a diffuser to the angle of an unmodified flash, this kind of studio light is much lower contrast than when previous, five examples. This creates a longer band of soft-edged light, which makes this portrait much more even across the complexion. The further you move the studio flash, the wider a band of light will affect your subject's face. An unmodified flash creates a sharp ellipse of light, while the portrait's shadow is a wide, soft oval.

RIM LIGHTING FROM BEHIND



This is the method for emphasizing the positive perimeter or shape of your subject's face. In this technique, the subject is not lit from the front but from behind to create a shadowing rim light effect. Only a single light source is needed and this must be positioned to create a sharp and even light. The perimeter that each froms is called a silhouette, opens up the aperture and wider, and if needed, use a couple of reflectors either side of the model to bounce light back into the face.

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Katrin Zwirglmaier

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