

## Camera Flash Guide Number Chart

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### Camera Flash Guide Number Chart

The Guide Number Chart in the flash manual is the source of the Guide Numbers for each speedlight zoom or power level. However, mode C is a special option to enter Both aperture and distance as your goal of desired settings .

### Understanding Camera Flash Guide Numbers, plus GN Calculator

[Flash Name] with Guide Number (GN) of 141 ft. / 43m. Sometimes the ISO value will be stated, but if it isn't just remember that all guide numbers are calculated at ISO 100. The only value ever reported as the guide number is the flash to subject distance in both feet and meters. You'll note that the lens aperture used to calculate the guide ...

### Flash Guide Number

The more expensive Sony units, for example, have the same guide number but are calculated at a flash zoom setting of 105mm. So the Godox units aren't as powerful. Pay attention to these specifications when looking at flash units. We'll use a Guide Number of 60 meters in all of these examples. The flash guide number formula

### Guide Numbers Explained for Manual Flash - Calculator ...

The Guide Number (GN) is as much about the reflector coverage angle as about the power level.. If the GN of one flash is specified as GN 180, but its narrow zoom coverage angle is concentrating all the power to only illuminate a small bright spot on the wall, and another flash specifies GN 90, but its wide reflector is illuminating the entire room, then we don't know much about the difference.

### Compare Power Rating of Camera Flashes with Guide Numbers

The flash guide number (GN) is a measure of the distance at which the flash can illuminate a subject. The higher the guide number, the greater the distance at which the light from the flash is sufficient for optimal exposure. The formula for calculating the guide number is as follows: Guide number (GN)=distance (meters) × aperture (f-number)

### Flash Level (Guide Number) - Nikon | Imaging Products

Keep in mind that the GN is given for a specific zoom setting on the flash-head. Zooming from wide to tele on our flash, changes the Guide Number! The spec for the Nikon SB-910 speedlight is given as: Guide number of 34/111.5 (at ISO 100, m/ft., 35-mm zoom head position, in FX format, standard illumination pattern) for high flash output volume

### Tutorial: How to use the guide number of your flash - Tangents

GN = Subject Distance from Flash Source x f/Stop. Guide numbers are based on a simple mathematical equation that states: the light output of an electronic flash is equal to the distance of the flash unit from the subject multiplied by the lens aperture, or f/stop.

### Understanding Guide Numbers | B&H Explora

Demystifying Flash Guide Numbers by Chuck McKern. It seems many people do not have an understanding of what guide numbers are, and how they are effectively used.A flash unit's guide number is used to determine the proper exposure when shooting manual flash without a flash meter.

### Demystifying Flash Guide Numbers

Fast flash durations come at a cost, however, both in price and in 'power' for lack of a better word. A flash's power is determined by its Guide Number, with low Guide Numbers (GN) indicating a weak or less powerful flash than one with a high GN. For ease of comparison, most flash GNs are rated for an ISO 100 film.

### Flash Photography - Understanding Guide Numbers

Guide numbers are the standardized, numerical way of determining the power of a flash, with a higher guide number representing a more powerful flash. A guide number is the product of multiplying the f/stop of an exposure with a given distance, at ISO 100; or GN = f/number x distance.

### A Guide to On-Camera Flash | B&H Explora

The guide number here (full power setting, ISO 100, and normal-angle coverage) is 37 for calculations made in meters (yellow arrow) and 120 for feet (orange). For instance, on the foot scale, f /4 × 30 ft = 120, as do both f /8 × 15 ft and f /16 × 7.5 ft. In meters, f /1.4 × 26 m = 37 as do f /22 × 1.7 m and every combination between.

### Guide number - Wikipedia

Guide number is calculated from ISO and nothing else. The question relates to auxiliary flash units that zoom, either automatically or manually. When a flash is set to cover a narrow angle of view, the intensity of the light increases in the covered area, resulting in a higher guide number than when the flash is set to cover a wide angle.

### Compare Flash Guide Numbers for Different Focal Lengths ...

The effective range- and therefore the guide number- of any flash will be affected by the use of diffusers, soft boxes, or any other type of flash modifier, as well as whether the flash head is zoomed out or not. Also, remember that guide numbers are usually calculated based on a full-frame (35mm equivalent) sensor.

### Making Sense of Your Flash's Guide Number - DIY Photography

It is telling you that, at 30-40 feet, you would get about 1/4 out of this flash. And if you set the flash to 1/2 power, you'd get f/2.8 out of it at that distance. Here's the cool thing; if you zoom the head -- even on this old-design flash -- it will move the dial and adjust the result. Here is an example of more modern guide number calculators.

### Strobist: Guide Number: Your Free Flash Meter

11 Guide Number (GN) on-camera flash basics 14 Using Bounce Flash 16 Quick Shift Bounce Advantage 18 Fill Flash 20 High Speed Sync 22 Slow Sync Flash 24 Rear Sync Flash 26 Multi Flash, Stopping Motion off-camera flash basics 30 On-camera vs. Off-camera Flash Effect 32 One Flash, Two Lights 34 One Flash, Three Lights

### Lighting guide - Sony

\* Only with D750 and D810 and newer. \*\* They all work with today's F6, which also uses the same i-TTL CLS system as the DSLRs; this line refers to the traditional TTL mode of all other Nikon TTL flash cameras made since the 1980s.. Recommendations top. As of 2016, the SB-500 is Nikon's best all around flash if your built-in isn't cutting it.. I use the discontinued SB-400 for fill-flash all ...

### Nikon Flashes Compared - Ken Rockwell

Guide Number Flash with Modern Cameras. Discussion in 'Lighting Equipment' started by BeBu Lamar, Aug 1, 2018. ... Thank you Sandy now I can prepare a handy Flash chart(ISO, F number, distance) for my speed light when I decide to use it in manual mode ! hjoseph7, Jan 13, 2019 #32.

### Guide Number Flash with Modern Cameras | Page 2 | Photo ...

Explaining the math behind a flash's guide number, how it relates to f-stop, and more practical formulas for nailing exposure on your strobes & speedlights. ...