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## Iphone light meter app lumens

We are increasingly faced with this problem because the benefit is obvious. Such apps are completely free or available at a very low price. It would be really smart to replace a luxmeter, which, depending on the manufacturer and accuracy, costs between 100 and 2,000 Euros, with a smartphone app that almost everyone has anyway. As an accredited lighting laboratory we can only smile at the idea of anyone trying to determine a photometric parameter with a phone. However, our curiosity has led us to get to the bottom of the matter/ to look into the matter. So we started looking for different luxmeter apps for different operating systems so we could test them. We wanted to find out how well they compare to a calibrated Class A luxury of our laboratory. The hardware For this test we used several series of iPhones and devices Sony, Samsung and Nokia. ManufacturerOperation of systemiPhone5iOSiPhone 5SiOSiPhone 6iOSSony Xperia Z1AndroidSony Xperia Z2AndroidSamsung Galaxy S5AndroidNokia Lumia 925Windows Phone The software We chose the following apps, most of them free, and installed them on each of the systems:NameManufacturerOperating systemRecalibration habitPriceGalactica LuxmeterFlint Soft Ltd.iOSnofreeLightMeter by whitegoodsWhitegoodsiOSyesfreeLuxMeterPro AdvancedAM PowerSoftwareiOSyes7.99€LuxmeterKHTSXRAndroidyesfreeLight Meter ProMannoun.NetAndroidyesfreeLux Light MeterGeogreenappsAndroidyesfreeSensor ListRyder DonahueWindows Phoneyesfree Our reference We conducted the reference measurements with an illumination meter from PRC Krochmann (Model 106e, special model, class A). And of course with a valid traceable calibration. The light sources used For this test we chose three different light sources:Low voltage halogen lampCond the fluorescent lamp (related color temperature: 2,700 K)LED (related color temperature: 3,000 K)In order to keep everything simple and transparent we limited ourselves in this article to present the results achieved with the LED light source. Our test configuration The test took place in a room without daylight, not affected by artificial light sources. With the light sources indicated we have set reference illuminations of 100 lx, 500 lx and 1,000 lx one after the other on a horizontal surface. To do this, the RPC luxmeter photometer head was positioned axially under the device (Gamma 0°). Then, one after another, the different smartphones, each with their own measuring app, were used to measure lighting. For this reason the front camera, the brightness sensor on the smartphone display, was used. The sensor or front camera was positioned exactly where the photometer head of the lusmeter was previously positioned. This configuration has been maintained for all apps except the Luxmeter Pro Advanced paid app as this requires light reflected from a surface as input. The many settings in this app for of the light source, the distance from the illuminated surface, etc. have also been adjusted. With some apps you can calibrate. This calibration was also carried out according to the manufacturer's instructions, each time with a reference calibration of 100lx. Rating During our test we found that although it was possible to calibrate some of the apps to a certain value, it was often not possible to set this value with sufficient precision. So calibration was often in large increments or the 100lx reference value could not be set since the app could only be calibrated to a maximum of 34lx (iPhone 5 in combination with LightMeter by whitegoods). Deviations from the reference luminance were partly extremely high (up to 113% in the combination of Samsung Galaxy S 5 with Geogreenapps' Lux Light Meter app). When using a reference value of 500 lx the smartphone display showed 1,063 lx. The lowest deviation as a percentage (3%) occurred with an iPhone 5 in combination with the LightMeter by whitegoods app. When a reference value of 500 lx was used, this smartphone displayed 484 lx. However, we cannot conclude that it is precisely this combination that will always lead to the lowest possible deviation. When a reference value of 100lx was used, this app on the same smartphone was immediately out of the 89% mark with an displayed value of 11 lx. The general observation is that the values displayed on Sony devices and Samsung and Nokia smartphones were well above the reference values, while as a rule iPhones showed values well below the reference values. The median deviation from the reference value measured by all apps on Android smartphones and Windows phones was on average 60% higher than the reference value. The median deviation of all values measured with all different iPhones was about 60% lower than the reference value. We also noticed that apps installed on Samsung smartphones and Sony devices apparently had no influence on the value displayed. It seems that with these devices the brightness sensor and not the camera are used to measure lighting. With some Samsung models you can switch to LCD test mode via the \*#0\*# key combination. Here, using the Light Sensor feature, you can read the alleged lighting without installing an app. Installing an app seems superfluous here since it apparently only serves to display a value. However, all the values displayed by these devices also deviated from 37% to 113% from the reference value. Open the Mac App Store to buy and download apps. Light meter in your pocket! Exclusive accuracy of measurements. Calibrated with professional lighting meter high precision. We made this light meter for this you could save on buying professional lighting meters that cost hundreds of dollars. At the same time we love the beautiful design and we like to surprise, therefore, having acquired our lighting meter you also receive the graceful and and convenient device with intuitive interface. Please note that the Light Meter app does not replace a professional device and should only be used for private purposes. Features: - Unique and attractive design. - Exclusive simplicity and practicality of use.- Lighting fast measurements.- Measurement of Lux candles and foot. Do you have any questions or suggestions? Write to us: support@lightmeterpro.com • New calibration profiles for iPhone 7/7 Plus• Bugfixes• Stability improvements Try to rate this new version on the App Store and leave a review. Your feedback is highly appreciated and helps us keep updating Light Meter! The app doesn't seem to work consistently even though when it does it's dead. I am a 28 year old security professional and needed to get a fast light level and I didn't have my expensive meter on me that day! Bought this app gave me a high level of accuracy like a few days after checking the results with mine Meter everyone was within 1% of this appAMAZING accuracy for a few dollarsSevery some giving a negative review I tell them one thing you're not using it properly read about how to check light levels This is such a great app that it could measure. You can use it in your pocket. Full rating app! And it has a special and excellent design. I like it! The developer, Vlad Polyanskiy, did not provide details about its privacy practices and data management to Apple. The developer will be required to provide privacy details when they send the next app update. Using a light meter for shooting analog videos or photographs is critical. Unfortunately, not all devices have built-in or accurate light meters. So, what's there to do? Well, with the introduction of light meter apps for your smartphone, you are totally covered. Δ If you are going to make serious and professional measurements of lighting you need a dedicated device. But don't worry, we've also written about the best light meterers currently available online. What is a light meter and why do I need it? A light meter is a device for measuring light. This allows you to read the amount of light in your surroundings and determine the shutter stop and the aperture value. These light meter tools are useful for creating properly exposed images. Most modern DSLR and mirrorless cameras have a kind of built-in light meter. Old-school movie photographers are less fortunate. Many older cameras do not have reliable light measurement systems or, in many cases, none. And when shooting with cameras, it's even rarer. Here's an example of what an older light meter would look like: raise your hand for all those they knew what this thing is! 📷 📷 📷 Here's what an old-school analog light meter looks like! Looking at how complicated and heavy that light meter works, it's no wonder the world invented light meter apps! Related post: Do the best photo editing apps really work with Light Meter apps? Now, that we know what a light meter is, let's talk about the functionality of these light meter Do they really work? Are these tools that you should download or invest in? To put it simply, yes: light measuring apps work. In fact, these light meter apps work in a similar way to that of a camera's internal light meter. Here are some other things you should know: like a camera's light meter, a phone's light meter works within the limits of your device. Related post: The best ring lights So, for meter apps, we have to expect them to work to the functions of our smartphone. If the camera works well in low light conditions, so does the light meter. However, if the camera has poor resolution in low light conditions, you can expect the light meter not to be able to measure this light level either. Does that make sense so far? So let me get to my next point, which is... Light meter apps are accurate. They provide similar information from a given scene comparable to other portable light measurement devices. In addition, their accuracy is typically within a shutdown of 1/10 of the autonomous devices. So, if there is one key element to remember that is this: then you will find working and accurate results from the light meter app if used correctly. It's so easy! A quick note on devices The last point to note is that the effectiveness of a light meter app comes down to the app's developers in combination with the smartphone you're using. RELATED POST: The best smartphone cameras The latest versions of smartphones come with the latest photo-taking technology, updated firmware, and superior phone quality in general. Of course, light meter apps will work best on newer devices. Now, that we've covered the functionality of light meter apps, let's talk about the available products that you can download today. Here's our comprehensive comparison of light meter apps for your iPhone (iOS) and Android devices. iOS 1 light meter app. Pocket Light Meter (iOS) This light meter app from Nuwaste studios is made for your iOS device. It fits your pocket, directly accessible on your smartphone. This light meter can be used for movie photography shooters and those who photograph with all manual settings. App measurements reflect light and allow reciprocity calculations. There is a note feature that allows you to create and save comments on your images. Information about the exposure and location of photographs is also saved automatically. In the app, you can adjust the shutter speed, aperture, and ISO for the image. The lighting is measured and displayed in Kelvin, an easy and adjustable white balance. It has a simple interface and features compared to competing apps. This can be good or bad depending on your personal preferences. 2. myLightMeter Pro - \$3.99 (iOS) The myLightMeter Pro app works on any iPad and iPhone. Designed by a photographer, this light meter app is focused on reliability and accuracy for both digital and cinematic photography and videography. It can read dark scenes and has an accident and reflected light measurement mode. Though, take note: reading the incident light needs a connected to the front of the camera. You can select aperture, speed, ISO, and exposure compensation. The shutter speed ranges from 4 minutes to 1/8000 sec. Opening options range from 1.0 to 512 and ISO from 3 to 6400. Additional features include: AV and TV mode for automatic priorityAsosoSospot auto-prioritization and zoomed-in camera viewRead the exposure data of any photo in the GalleryMoria for 5 lensesLED indicators to indicate unreliable measurements Throughout, this light meter app is much larger than the Pocket Light Meter and for a third of the price. With more 5-star reviews, if you're going to buy a light meter app, this would be the product for you. 3. Lux Light Meter Pro - Free (iOS) Lux Light Meter Pro is a free application for iOS devices. It measures the intensity of light and is calibrated with a professional light meter. The app is easy to use and functional. It is for measuring, comparing and adjusting lighting levels both inside and outside. The app works by collecting light intensity data at the click of a button. It comes with: real-time measurementsMy measurements nowA medium and Max ValuesFront and Rear Camera This application has more reviews and positive responses. It is relatively simple as the Pocket Light Meter. Since the product is free, test it and see if the simple interface and easy-to-use settings will work for you. 4. Lumu Light Meter - Free (iOS) The lumu light meter app is a powerful app more suitable for professionals. While there is a free version, it will work for the most part. If you want to free up all the powers of the app, it will cost you. The app works as a reflective light meter (free downloadable) or can be combined with Lumu power hardware for professional flash and color temperature measurements. And that's where this app really shines. The Lumu Power app offers measurements of color temperature, lighting, point, environment and flash exposure. Features of this application and hardware combination include: Exposure Parameters, f-stop, ISO, Ev, and lux. Contrast valuesDo-Location Color Blindness Video Lighting Video Lighting ClashEsChromaticityIlluminanceGeo-Location, Custom Notes, and Photo Storage Worth the Cost? If you're just looking for a basic free light meter, the free version will be perfectly suited. But, at around \$200, the update is more questionable. I would say that, if you are a professional, the update is worth it as it will do the job of multiple devices. With video features and color temperature options, updating \$200+ can save you money in the long run. Because a light meter and a color temperature meter often over \$1000 when purchased together. So, although the application offers many high-quality features, the decision to

upgrade will have to be a personal and financial choice for you as a professional. For our evaluation, this application is the most professional light meter available for your smartphone. Android 5 light meter app. Lux Meter - Free (Android) The The Meter is a simple application for your Android device. Measure lighting using the device's light sensor. Features of this product include: Ability to calibrate the device with the multiplierTi shows the minimum, maximum and medium valueShow sensor data This light meter app is simple, easy to use and 100% free. For us, it is definitely worth downloading and testing your images. 6. Light Meter Free (Android) The Light Meter application is by WBPhoto. It is free and offers a reflection light meter with spot measurement (which uses the device's camera) and an incident light meter (using the device's light sensor). Tested compared to standard light meter for quality and accuracy, this app is also perfect for cameras of various sizes: SLR, stenopeic hole and video. The application also includes a sunny sixteen calculator, as well as a depth of field calculator and an EXIF data reader. This light meter app has a simple interface. It has more features than the Lux Meter, but you could definitely test the two to see which ones work best in various settings. 7. David Quiles Light Meter - \$1.99 (Android) David Quiles' Light Meter app is the Android version of myLightMeter for iOS devices. The purchase is \$1.99. With its old school, the analog interface the app will feel very nostalgic for movie photographers. The reflection light meter only works with devices that can save exposure. The incident light meter works on any device, but this depends on the quality of the device. In fact, the developer suggests using the reflected light option for the best accuracy. Features include: ISO range from 3 to 6400Low light alertCalibration, bespoke vibration/holdSO selectorSo misuraspot if a camera has high-resolution zoom support for all screens. Compared to other Android light meter, this app has higher level settings. It offers a few more features than the other apps, so this is a perfect product if you're looking for a step forward. At a low price, it's worth updating and buying for the high-quality results you'll receive. Did you find the perfect light meter? In all, light metering works, accurate tools for your smartphone. You can use them with confidence, knowing that your light and exposure will be read correctly. And, as you can see, there are multiple light measurement apps for your iOS or Android device. Whether you want a simple interface or a more complex product, there is a light meter app for you. Have you ever tested one of these light meter apps before? Share your experience with us in our comments below! Under!

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