

### Complete and Useful Information



TLCI



TLMF



Color  
Checker



Colorists  
Advice



Smart  
Filter



## APP Introduction

TLCI is the new evaluation standard for lights and luminaires used in Television and Film industry. "Spectrum Genius Studio (SGS)", an APP for iPad, gives you the ability to get all the TLCI information easily and quickly.

"Spectrum Genius Studio (SGS)" follows the standards of Television Lighting Consistency Index (TLCI) set up by European Broadcasting Union (EBU). When working together with Lighting Passport, SGS allows professionals like producers, colorists, gaffers, and technicians to get full and detailed information about the TLCI of a specific light source or the entire set up. In a single touch of finger, all the readings and information will be displayed on your iPad immediately. You can easily store and save the measurement results, or share them with your colleagues or clients instantly.

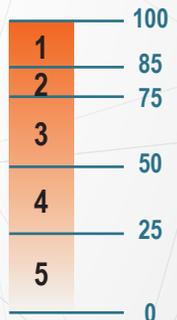
## SGS Function Introduction



### Television Lighting Consistency Index (TLCI)

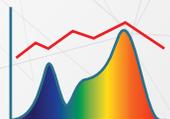
TLCI is a value for evaluating lights and luminaire, it awards a single number value on a scale from 0 to 100. TLCI scores lights in five categories ranging from the poorest quality (<25) to the highest category (>85), where a score of greater than 90 is widely regarded as the minimum for television use.

There are three different spectrum references for TLCI standard, Planckian radiation (<3400), Mixed (3400~5000), and Daylight radiation (>5000). When you choose TLCI to be the standard, SGS will be based on your measurement light sources to compare, then get TLCI value.



### Television Lighting Matching Factor (TLMF)

Television Lighting Matching Factor (TLMF), it allows users to set the data of their preferable Fresnel or Flood Light as a reference by themselves. When users select the TLMF reference to be the benchmark, the Assessment Index, ColorChecker Chart, Colorists Advice, and Spectrum Reference will base on it to calculate.





### ColorChecker Chart

ColorChecker Chart will show the color differences on the screen between the reference light source and the measurement light source.

In the color patch, you may visually get the difference between the "Reference Light Source" and "Measurement Light Source." As well as the Q value at the bottom of each color patch tells you the percentage of similarity between the "Reference" & "Measurement" light sources.



50  
(Q value)



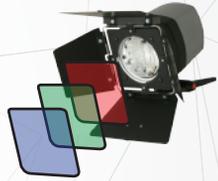
### Colorists Advice

Colorists Advice provides the great convenience for Gaffer, Camera Operator, and Colorist. Camera operator can use this guide to adjust their camera when needed, while visual effect colorist can either enhance or decrease the lightness, chromaticity, and hue in each of the 12 color sectors to get the best end result.



### Smart Filter

Smart Filter provides users with the filter suggestions for changing the color temperature of the luminaires. Users just need to set their target color temperature, SGS will match the best fitting filter according to their measurements, and then calculates new values of TLCI, CCT, CRI and other parameters after applying the suggested filter.



Around the world including BBC, NBC, CNN, Disney and ITV to name a few recommend TV professionals to use TLCI for light standard. With TLCI, colorists can hand their job faster on-site, studio can reduce the cost of post-production.

Spectrum Genius Studio with world's first spectrometer-Lighting Passport can support the best experience for TV professionals.

Available on the  
**App Store**



\* For iPad only

## APP Functions

Measurement Mode	Single	
Measurement Capability	TLCI (Qa) TLMF CCT CRI CQS	ColorChecker Chart (24 Q values) Colorists Advice Distance from Blackbody Locus Spectrum Diagram Illuminance
Key Features	Smart Filter, Import User-defined Filter, Photograph, Note, Auto Connection, E-mail Sharing (.csv Output), Smart Pass, Direct Compatibility with EBU TLCI Software	
Language	Traditional Chinese, Simplified Chinese, English	

\* ASENSETEK reserves the right to modify the specification of its products without prior notice. Please check the official website for updates.

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