LSRF-3 is equipped with Class A fast photometric probe, so the sampling speed is up to 100kHz. It fully meets the requirement of BASIC, [Energy Star V2.1](https://www.lisungroup.com/wp-content/uploads/2019/12/ENERGY-STAR-Lamps-V2.1-Draft-1-FINAL-Standard-Free-Download.pdf), [IEC TR 61547-1:2020 IEC-Pst](https://www.lisungroup.com/wp-content/uploads/2019/12/IEC-TR-61547-1-2020-Standard-Free-Download.pdf), CA CEC, ASSIST, [CIE TN006-2016 CIE SVM](https://www.lisungroup.com/wp-content/uploads/2019/12/CIE-TN-006-2016-Standard-Free-Dowload.pdf), IEEE Std 1789 standards, etc. It is professional for flicker test of LED lights and lamps, energy-saving lamps, etc. According to EU directives 1194/2012, 2009/125 / EC, [**SASO2902**](https://www.lisungroup.com/wp-content/uploads/2019/10/SASO-2902-2018-ENERGY-EFFICIENCY-FUNCTIONALITY-AND-LABELING-REQUIREMENTS-FOR-LIGHTING-PRODUCTS-PART-2.pdf)**,** [EU2019/2015 - EU2019/2020](https://www.lisungroup.com/wp-content/uploads/2019/12/EU2019-2015-EU2019-2020.pdf) and IEC60969 "Self-ballasted Lamps for General Lighting Services—Performance Requirements" and other requirements.

**1. Lamp Flicker test interface (Need to work with LISUN** [**Integrating Sphere**](https://www.lisungroup.com/products/integrating-sphere/)**,** [**DC Power Source**](https://www.lisungroup.com/products/ac-and-dc-power-supply/digital-cc-and-cv-dc-power-supply.html) **and** [**Standard Light Source**](https://www.lisungroup.com/products/photometer-and-colorimeter/standard-light-source.html)**, it also can be added in LISUN** [**LPCE-2**](https://www.lisungroup.com/products/led-test-instruments/high-precision-spectroradiometer-integrating-sphere-system.html) **or** [**LPCE-3**](https://www.lisungroup.com/products/led-test-instruments/ccd-spectroradiometer-integrating-sphere-compact-system.html) **Integrating Sphere System):**





**2. Lamp Start and Run-up Test: the LSRF-3 needs to work with LISUN's** [**LSP-500VARC AC Power Source (With Trigger Function) or LSP-500VARC-Pst (IEC-Pst AC Power Source)**](https://www.lisungroup.com/products/ac-and-dc-power-supply/ac-power-source.html) **to test the Start and Run-up time of lamps which is according to** [**clause 11.4 Start Time Test Method**](https://www.lisungroup.com/wp-content/uploads/2019/12/energy-star-start-time-test-method.pdf) **&** [**clause 11.5 Run-Up Time Test Method**](https://www.lisungroup.com/wp-content/uploads/2019/12/energy-star-run-up-time-test-method.pdf.pdf) **in the US Standards of** [**Energy Star V2.1**](https://www.lisungroup.com/wp-content/uploads/2019/12/ENERGY-STAR-Lamps-V2.1-Draft-1-FINAL-Standard-Free-Download.pdf)**, and** [**SASO2902**](https://www.lisungroup.com/wp-content/uploads/2019/10/SASO-2902-2018-ENERGY-EFFICIENCY-FUNCTIONALITY-AND-LABELING-REQUIREMENTS-FOR-LIGHTING-PRODUCTS-PART-2.pdf) **Table 13:**



**3. According to** [**IEC TR 61547-1:2020**](https://www.lisungroup.com/wp-content/uploads/2019/12/IEC-TR-61547-1-2020-Standard-Free-Download.pdf)**, The LSRF-3 do the Light Pst V measure on AC Stable as below Figure 1a , and also can do the Light Pst LM(I) measure on AC Fluctuation as below Figure 1b. Note:  The Light Pst LM(I) measurements need to work with LISUN's** [**LSP-500VARC-Pst (IEC-Pst AC Power Source)**](https://www.lisungroup.com/products/ac-and-dc-power-supply/ac-power-source.html)

 Light Pst LM and Pst LM (I) Flicker Test Principle in IEC TR 61547-1:2020  Programmable AC Power Signal Output when do Flicker Immunity Pst LM(I) test in IEC TR 61547-1:2020