



# Reliability Center

Accelerate your lifetime testing

Getting proven, quality products to market fast is crucial in today's high-speed world. Whatever your end product, lifetime or reliability testing is a vital process step. Philips Innovation Services Reliability Center offers a range of services to make that step easy, so you can take a prototype from concept to pre-certification quickly and cost-effectively.



The Reliability Center is part of the extensive range of services you can access at Philips Innovation Services on the High-Tech Campus Eindhoven. From device technologies and systems creation, to materials analysis, test and measurement, discover the possibilities yourself at [www.innovationservices.philips.com](http://www.innovationservices.philips.com)

## Why choose Philips Innovation Services?

- Easy access to cutting-edge expertise and high tech infrastructure
- Asset-rich with the latest equipment, saving you investment in high-cost apparatus
- Flexible: use our facilities yourself, or have Philips Innovation Services carry out the work for you
- Fast, efficient and cost-effective, accelerating your time to market

## Extensive range of reliability services to assist you with:

- Operational lifetime testing and product release testing
- Corrosion testing
- Sun simulation
- Unique permeability characterization of barrier layers for OLEDs/solar cells
- Pre-qualification and pre-certification testing
- OLED characterization and lifetime testing

# Philips Innovation Services, experts in reliability testing and failure analysis



you for you with you	<b>Flexibility</b>	
	<b>Expertise</b> research support & expert consultancy	Co-develop new products & technologies
	<b>Prototyping</b> products & product services	Manufacture new modules & products
	<b>Facilities</b> open access labs & instrumentation	Use labs, equipment & technologies

## Access to an asset rich lab and value added services

Whether you wish to use our environmental test chambers for lifetime testing yourself or have Philips Innovation Services perform the tests for you, it is your choice. Our asset rich lab that has the latest equipment and we can advise you on what equipment is needed, and which gives the best results. Working closely with you, we can also design and build test beds that meet your specific requirements. We can even help you interpret the results and perform failure and materials analysis.

We can set up and perform tests following your test specifications, certification criteria and pass / fail requirements. Furthermore, remote access and storage capabilities can be provided so you can easily access the data from your own desk.

Choose from our wide variety of environmental test chambers – for climate, temperature, temperature shock and temperature cycle – simulating temperatures from -70 °C to 300 °C and humidity levels from 10% to 98%. Xenon exposure systems let you study the long-term effects of light, heat and

sunlight on your products. All our equipment is fully automated and monitored, and you can test in line with international standards including IEC, DIN, ISO and JEDEC.

## Versatility and Flexibility

You can use our services in different ways - simply choose which address your needs best. Come right into our clean room facilities to perform your own research and development work. Commission us to optimize a process module or make a prototype to your design. Or use our consultancy support to think with you in your innovation process.

## Expert knowledge in range of industries

Our expertise is based on a proven track record and experience of set-up testing that spans over a decade and covers a wide range of lighting and display technologies (OLEDs, e-Ink), medical systems (mobile saliva analyzer, MRI scanner parts), electronics and embedded / clean technologies (MEMS, solar panels).



Acknowledgement  
Solland Solar Cells BV

World-class expertise –  
working for you

Contact us at the following address:



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