



FEASA™ Integrating Spheres

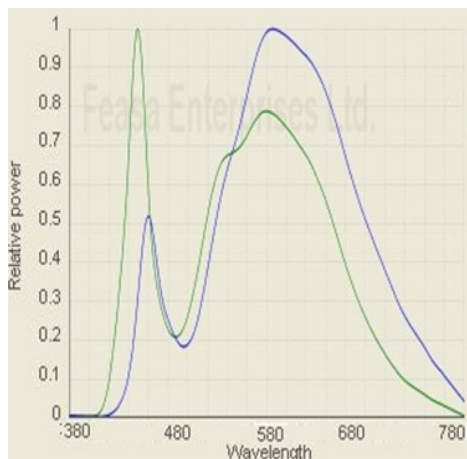
The Innovative Solution for Testing LEDs



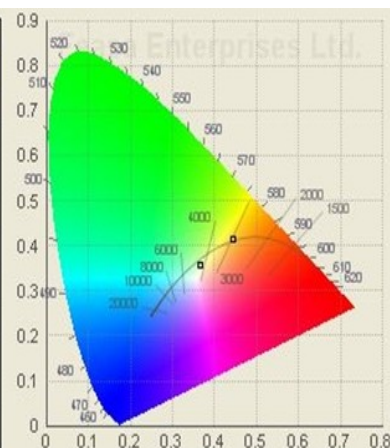
Feasa's Range of Integrating Spheres specifically designed for testing LEDs

The Feasa range of Integrating Spheres have been specifically designed to test LEDs on Printed Circuit Boards and to measure LEDs in a Laboratory.

- ◆ Used in conjunction with the Feasa Spectrometer to generate absolute and traceable measurements for Chromaticity, Luminous Flux and Power.
- ◆ Allows the Test Engineer to generate a LED board with known values for Colour and Intensity (Known Good Reference Board).
- ◆ The compact size of the Spheres allow access to LEDs placed in close proximity to other components on the PCB.
- ◆ Measurements are easily transferable to the existing range of Feasa LED Analysers.
- ◆ Various Entrance Port sizes available. Customized Spheres available on request.



Data	Value	Value (stored)
xy	0.4450; 0.4132	0.3665; 0.3561
CRI	Ra=077.87	Ra=081.92
Power	0193.393 mW	0305.640 mW
Luminous Flux	0058.105 lm	0094.151 lm
CCT	02941 K	04264 K
delta uv	+0.0025	-0.0056
Dominant Wavelength	582.31 nm	582.82 nm
Peak Wavelength	585.96 nm	449.05 nm
Spectral Width	153.41 nm	026.26 nm
Integration Time	1788.000 ms	1229.000 ms
Capture status	OK	



Feasa Enterprises Ltd.

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ORDERING INFORMATION

Integrating Spheres

Part Number	Dimensions	Maximum LED Diameter	Connector	Optical Range Based on Cool White LEDs
SP13	Diameter 25mm Length 39mm	10mm	SMA	0.1lm - 100lm
SP14	Diameter 25mm Length 39mm	12mm	SMA	0.1lm - 100lm
SP16	Diameter 25mm Length 39mm	5mm	SMA	0.1lm - 100lm
SP43	Diameter 25mm Length 39mm	10mm/Glass	SMA	0.1lm - 100lm
SPL3	Diameter 25mm Length 39mm	10mm	SMA	0.01lm - 10lm
SP23	Diameter 25mm Length 43mm	10mm	SMA	50lm – 2500lm
SP24	Diameter 25mm Length 43mm	12mm	SMA	50lm – 2500lm
SP25	Diameter 25mm Length 43mm	10mm/Glass	SMA	50lm – 2500lm
SP26	Diameter 25mm Length 43mm	5mm	SMA	50lm – 2500lm
SP8025	Diameter 80mm Length 95mm	25mm	SMA	10lm – 10000lm
SP8035	Diameter 80mm Length 95mm	35mm	SMA	10lm – 10000lm
SP8045	Diameter 80mm Length 95mm	45mm	SMA	10lm - 10000lm

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Armoured Fiber Optic Cable

Part Number	Length	Connector A	Connector B	Metal Clad Fiber Diameter
FP02	600mm	FC-PC Plug	SMA-Plug	5.1mm



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