

### <u>Introduction</u>

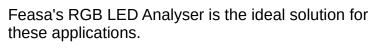
Feasa's RGB LED Analyser has been designed to test RGB LEDs on:-



Automotive interiors **Backlight Displays Door Panels Roof Lighting** 

Dashboards **Backlight Switches** Footwells **Mood Lighting** 





### Tests for:-

- Intensity
- RGB Color mixing.
- xy Chromaticity
- Dominant Wavelength
- **RGB** Module calibration
- Wide dynamic range for indoor lighting

Feasa RGB Led <u>Analyser</u>





# FEASA™ RGB LED Analyser

## **Test Solution for RGB LEDs**

#### **SPECIFICATIONS**

**ACCURACY** 

xy Chromaticity

**OPTICAL** 

Minimum Luminance Maximum Luminance

**REPEATABILITY** 

xy Chromaticity Intensity

**ELECTRICAL** 

USB Powered

Serial, RS232, Daisy Chain

**PHYSICAL** 

Dimensions of 6 Channel Dimensions of 10 Channel

Fiber Length Fiber Diameter

Minimum Bend Radius of Fiber

**Operating Temperature Range** 

**SOFTWARE** 

**GUI** provided

Sample command line interface C, C++ applications, examples

dll, labview® support

 $\pm 0.01$  @ x = 0.33, y= 0.33<sup>1</sup>

\*Immediately after Calibration with a known source

< 0.5 cd/m<sup>2</sup>

< 1,000,000 cd/m<sup>2</sup>

±0.002

<1%

5V, 80mA

104.5mm x 54mm x 46mm\* (L x W x H) 145mm x 54mm x 56mm\* (L x W x H)

\* does not include bend radius of Plastic Optical fiber

600mm

2.2mm, incl. Cladding

30mm

0°C to +50°C

## **ORDERING INFORMATION**

Feasa 3 Channel RGB Analyser Feasa 6 Channel RGB Analyser

Feasa 10 Channel RGB Analyser

**Optical Heads** 

Part No.:Feasa 3-RGB Part No.:Feasa 6-RGB

Part No: Feasa 10-RGB

Part No: available upon request

