正印科技
COLOR SPACE

正印科技图像质量测试方案

Image Quality Test Solutions

CS-LB3 Series Spherical Light Source

2025-4-22

CS-LB3 Series Spherical Light Source

ColorSpace Co., Ltd. provides a series of versatile lighting systems specially designed for image quality testing.

Application Industries:

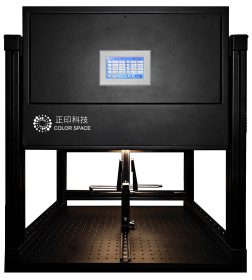
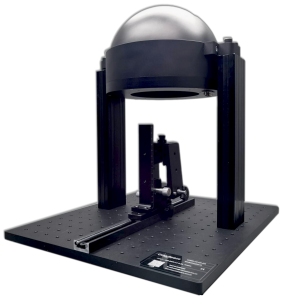
- Consumer Electronics
- Medical Imaging
- Automotive Imaging
- Security Surveillance

Key Measurement Parameters:

- Auto White Balance (AWB)
- Auto Exposure
- Lens / Color Shading
- Sensor Defect Inspection
- Blemish Detection

Product Features:

- Supports ultra-wide FOV compatibility: 0° ~ 230°
- Delivers highly uniform lighting across the field
- Enhanced compatibility with a wide range of imaging products (e.g. consumer electronics, surveillance, automotive, medical)
- Compatible with both production lines and IQ lab environments
- Opening diameter options tailored for various DUT (Device Under Test) types

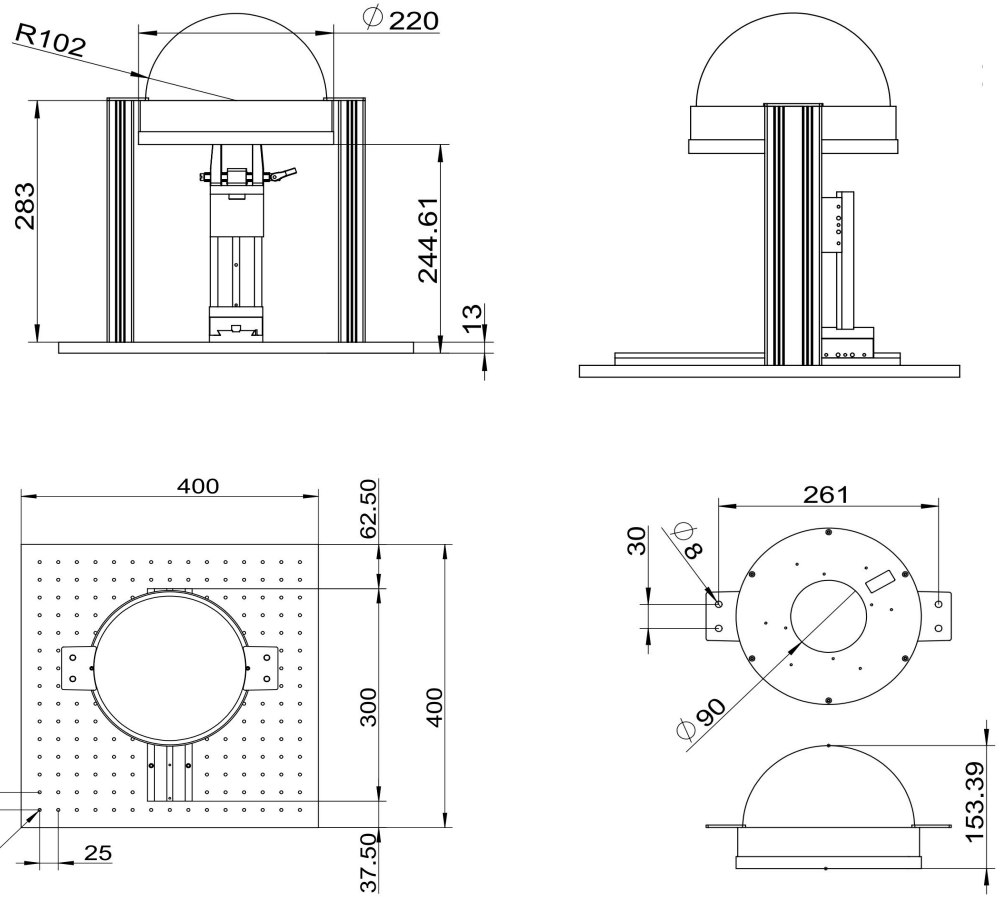
	
CS-LB3-200mm Spherical Light Source	CS-LB3-90mm Spherical Light Source

CS-LB3 Series Spherical Light Source Parameters

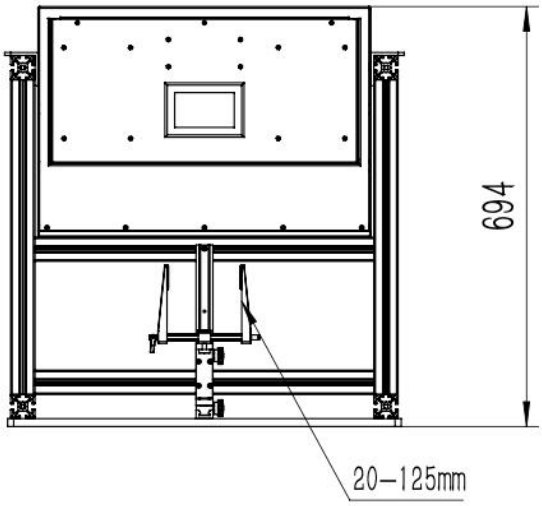
Model		CS-LB3-D	CS-LB3-DIR
Color Temperature		2300K~10,000K	2300K~10,000K
IR Range(Optional)		–	850nm / 940nm
Spectral Wavelength Range		400nm~780nm	400nm~780nm
Illumination Range	Outlet 90mm	10lux~8,000lux	10lux~8,000lux
	Outlet 200mm	10lux~5,000lux	10lux~8,000lux
Opening Diameter（Customizable）		Options available: 90mm / 200mm / 250mm (customizable)	
CIR		93~98 (A,D50,D65)	93~98 (A,D50,D65)
Uniformity（Opening Diameter 90mm）		>95%	>95%
Applicable FOV		0~ 230°	
Test Applicaton		Lens Shading,Color Shading,AWB,AE,Blemishes,OTP etc.	
Control Method		Touch Screen/USB	
Control Software		Optional ： Light Control3.0 (To control luminance, CCT and Spectrum, etc)	
Open API		Optional	
External Light Meter		Optional	
Industries		Automotive camera,surveillance camera,360 degree camera,Panorama camera etc.	
Optional Accessories		– Light source bracket × 1 – Camera Holder × 1	
Accessories		– Spherical Light Source × 1 – Controller × 1 – Power cord × 1 – Control line × 1	
Net Weight Outlet 90mm		– 12.35kg（Net Weight） – 7.65kg（Camera holder weight） – 4.7kg（Light source weight）	
Working Environment		Indoor: 15℃ ~ 25℃; Humidity: 30% ~ 50%	
Industries		Automotive camera,surveillance camera,360 degree camera,Panorama camera etc.	

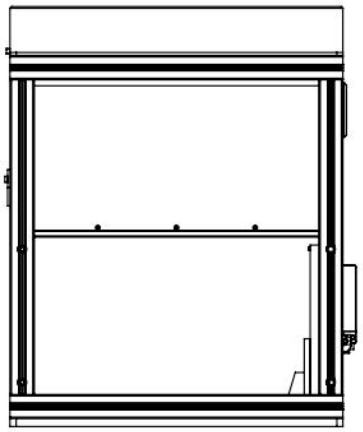
CS-LB3 Series Spherical Light Source Design Drawings

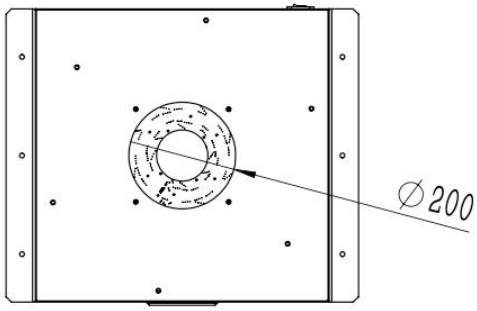
Opening Diameter：90mm

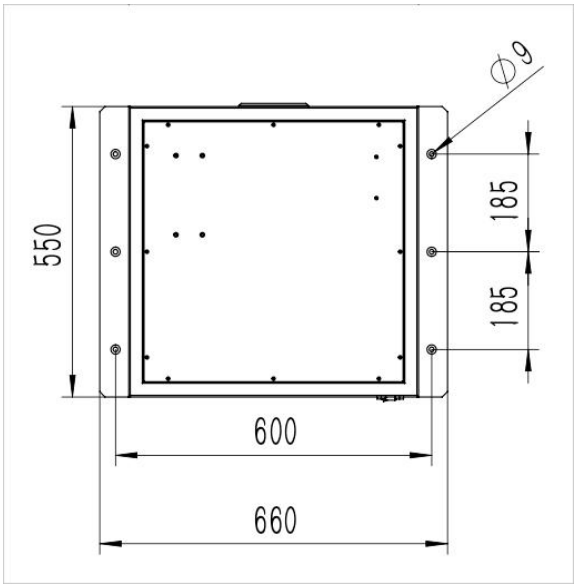
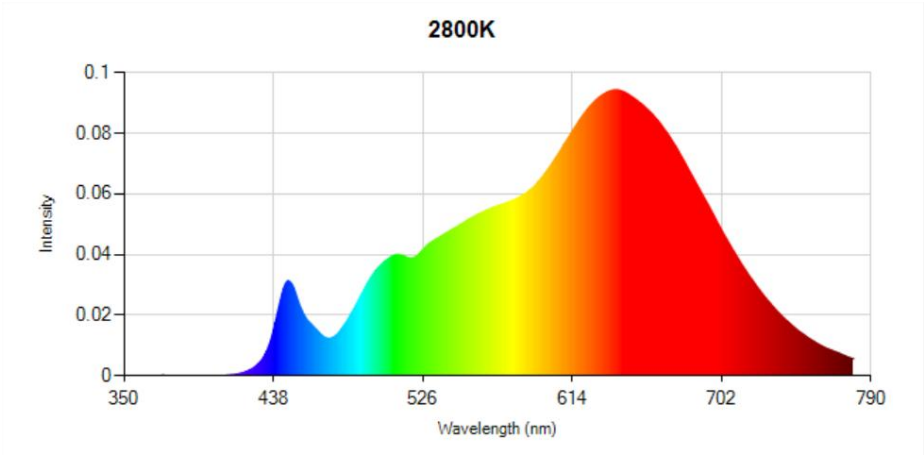
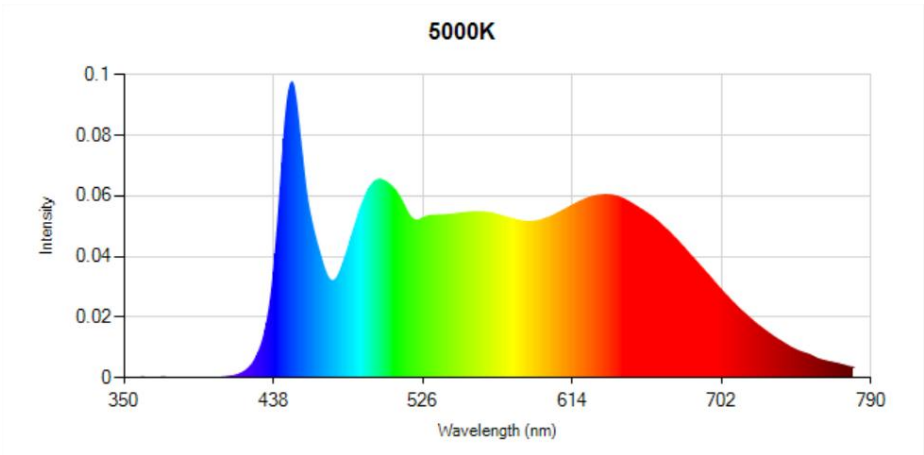
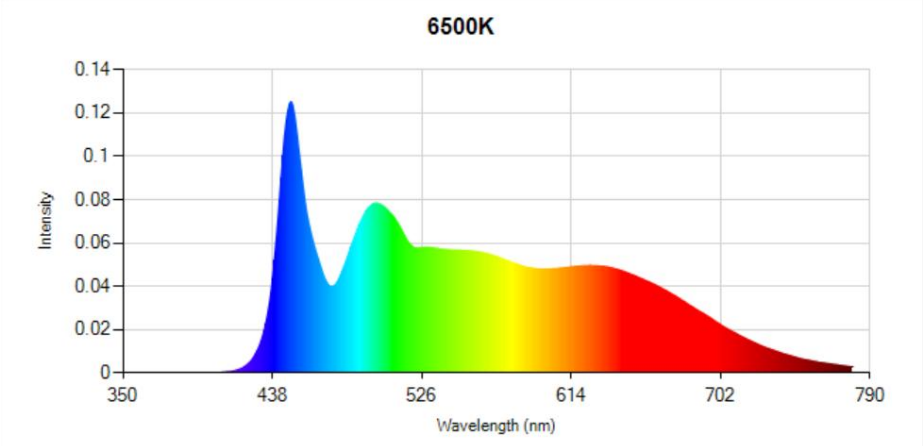


Opening Diameter：200mm









CS-LB3 Spectral Curve Performance(CS-LB3-D)