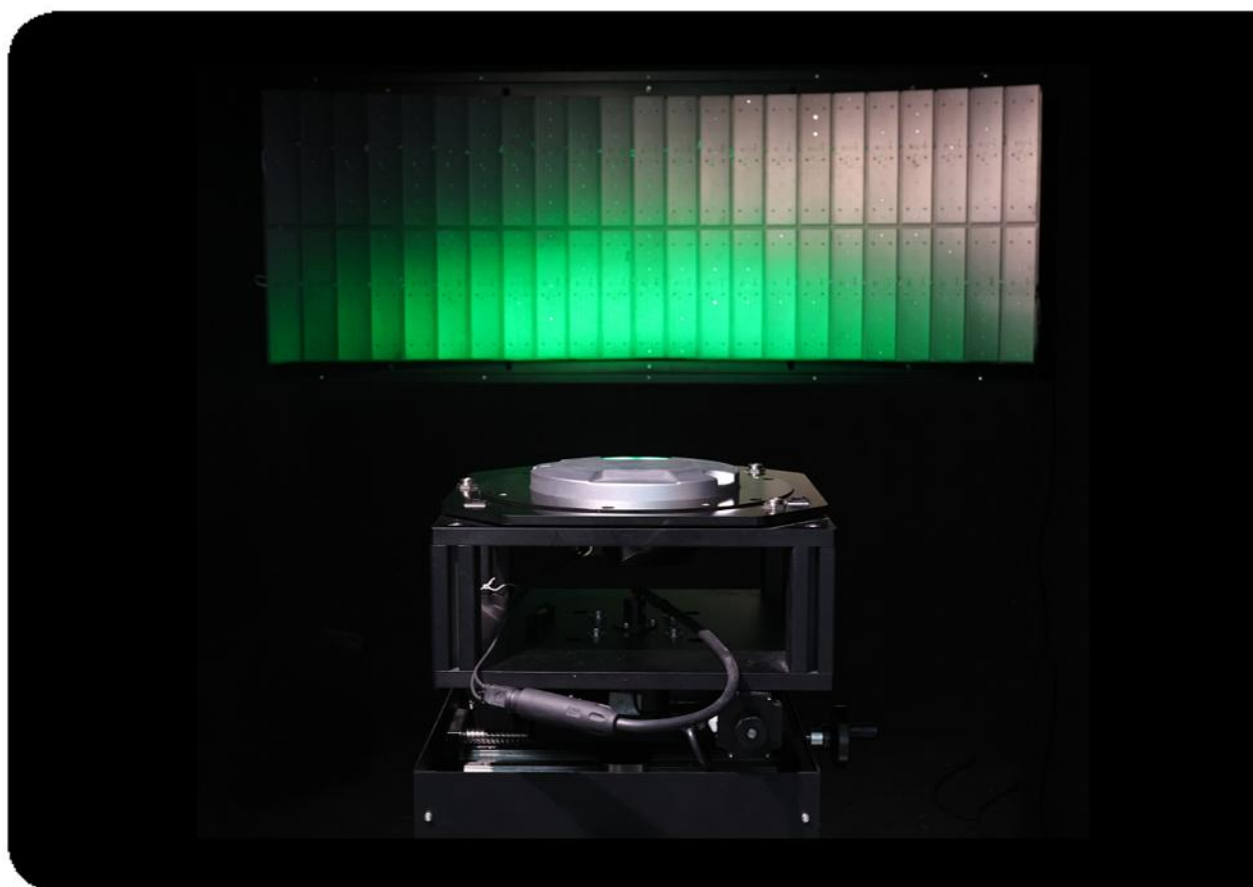




PHOTOMETRIC TESTING SYSTEM

- HDK-LUX Photometric Testing System

Compliance with Standards (current version)

ICAO Annex 14, Volume 1, & Aerodrome Design Manual

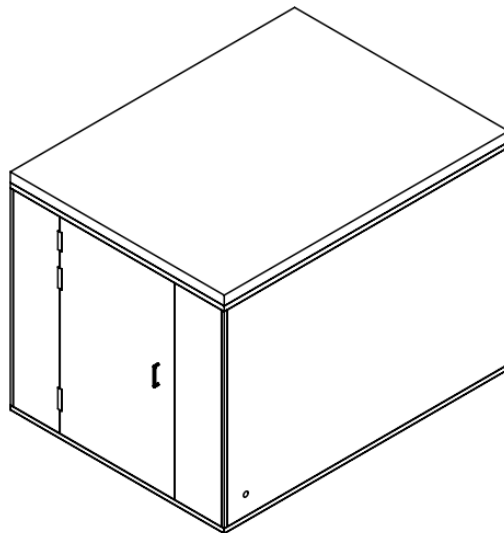
KEY FEATURES

- Suitable for almost all navigation-aid lights
- Equipped with a CCR
- Test is accurate, stable and fast
- Support the code scanning device, and can store all the light fixtures test data

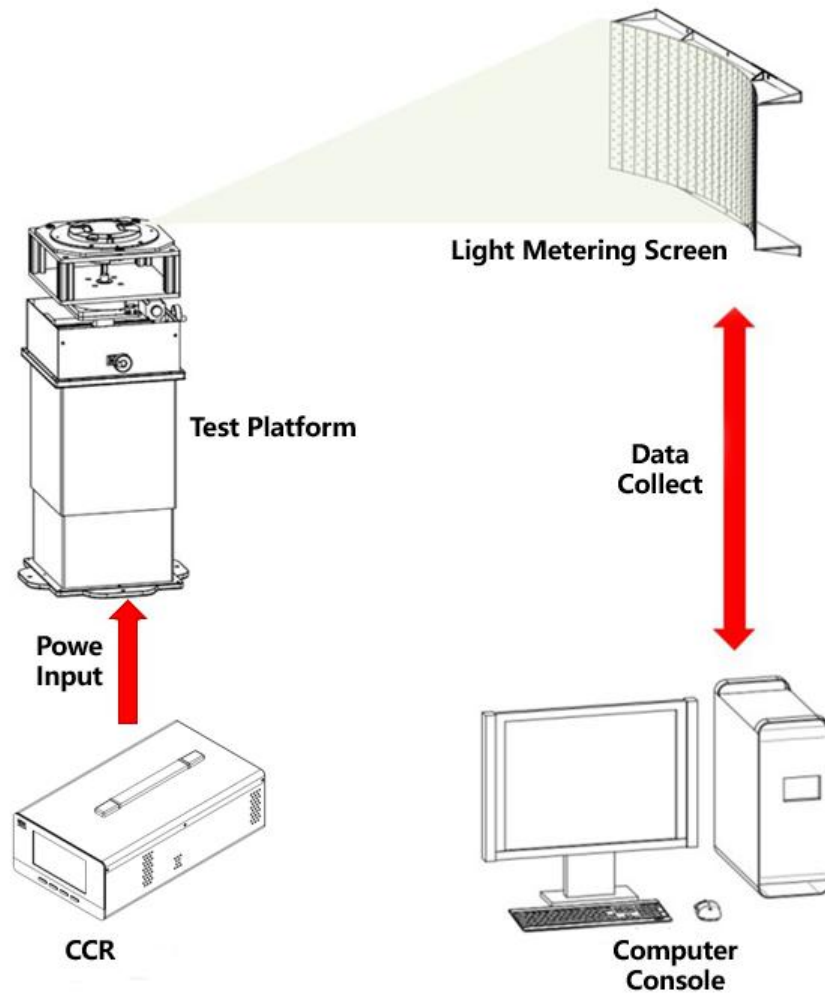
TECHNICAL DATA

MECHANICS	
Model	HDK-LUX2M5
Required Space for Dark Room	3100mm×2300mm×2300mm
Testing Platform Maximum Load	25kg
ENVIRONMENTAL	
Operating Temperature	10°C~35°C
Horizontal test Angle *	-22°~+22°
Vertical test Angle *	0~15°
ELECTRICAL	
Light Intensity Sensor	368 pcs
Testing Time	< 10S
Ambient illumination	< 0.01lux
CCR Accuracy	±0.02A
Sensor Range	0.01 LUX~83K LUX
Sensor Accuracy	< 0.2%
Spectral Response Error	≤5%
Sampling Rate	≥100/s

REQUIRED DARK ROOM



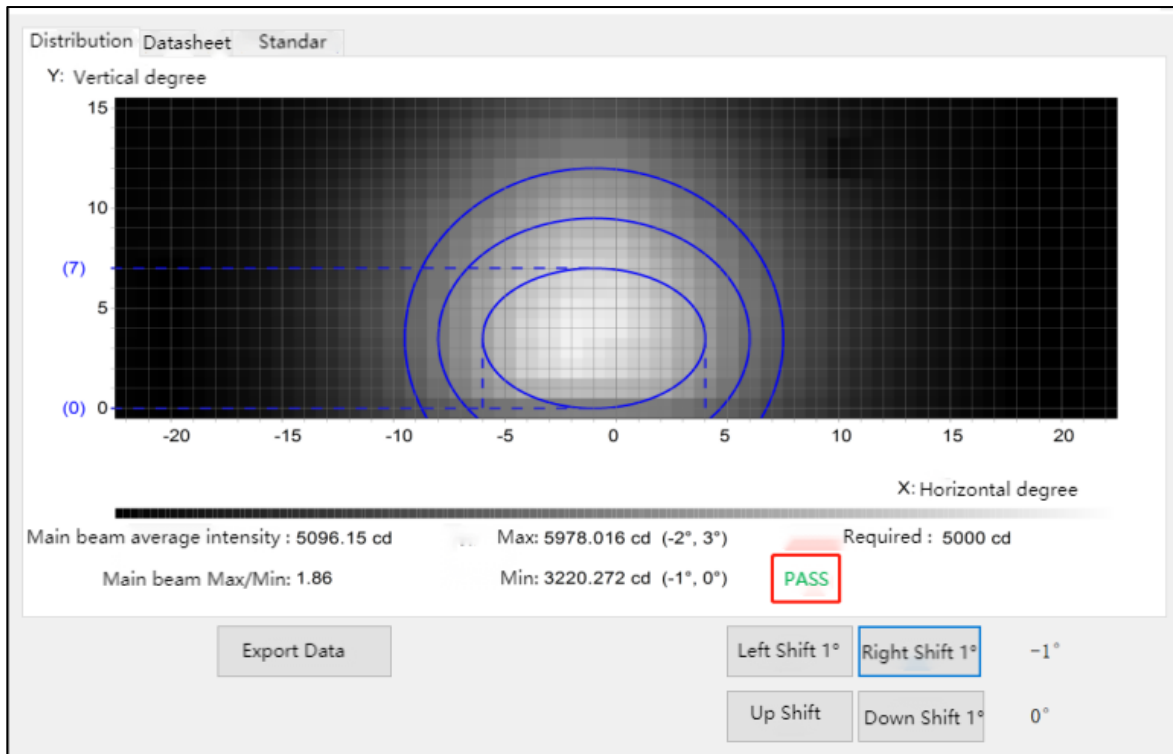
Dark Room Appearance



Working Schematic

Generate Test Data

- Average intensity of the main beam (Unit: Candela)
- Maximum and minimum values in the main beam, and mark the position coordinates
- The ratio of the maximum to the minimum in the main beam
- Generate an excel document of light intensity data for all coordinates
- According to the light intensity requirements of ICAO, directly give the test results "Pass" or "Fail".
- Light intensity distribution and light intensity data can be saved in different folders according to "Pass" or "Fail"



Software Operation Interface

ORDERING CODE

Light Structure

HDK: Special Device of Company

Function / Application

LUX2M5: Photometric Testing System

Horizontal Test Range^①

I: Initialization (-22°~+22°)

C: Customized

Vertical Test Range^②

I: Initialization (0~15°)

C: Customized

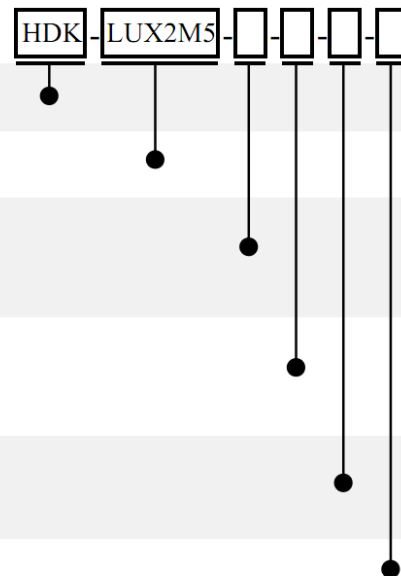
Chromaticity Measurement

1: Realizable

2: No Chromaticity Measurement

Version

Customize: This option is not filled in by default, unless otherwise required



ORDERING CODE NOTES

- ① You can select a horizontal test range according to need, if you want a wider test range like -30°~+30°, you should fill "C30" in the optional box.
- ② You can select a vertical test range according to need, if you want a wider test range like 0°~+25°, you should fill "C25" in the optional box.