

产 品 规 格 书

PRODUCT SPECIFICATION

产品系列:
Series

LED 地砖屏
LED Floor Tile

产品名称:
Description

户外地砖屏
Outdoor LED Floor Tile

产品型号:
Model

P3.91(500*1000-O)

文件编号:
Spec NO.

/

版本编号:
Version

A0

发行日期:
Date

生产厂商:
Manufacturer

山西高科华杰光电科技股份有限公司
Shanxi Hi-Tech Huajie Optoelectronics Technology Co., Ltd.

产品介绍 Description

本产品主要用于户外 LED 显示，箱体尺寸 L500*W1000*D78(mm)，像素间距涵盖 3.91mm。

This product is primarily used for outdoor LED display, with external dimensions of L500*W1000*D78(mm), the pixel pitch covers 3.91mm.

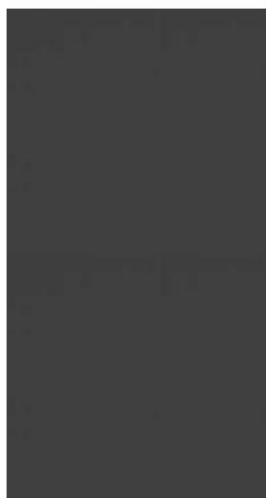
产品品质稳定可靠，具备超高刷新、高对比度、宽视角等性能优势，显示效果优秀，适用于广告传媒、舞台演播、体育赛事、展览展示等各类户内租赁场景。

The product quality is stable and reliable, with ultra-high refresh, high contrast, wide viewing angle and other performance advantages. Its excellent display effects make it suitable for various indoor rental scenarios, including advertising media, stage performances, sports events, and exhibition displays.

注：请不要在高温、高湿、高盐碱环境下使用本产品。

Note: Please do not use this product in high temperature, high humidity, high salinity or alkali environment.

产品外观 Appearance



技术参数 Technical parameters

类别 Category	项目 Item	参数及指标 Parameters and standards
规格尺寸 Specifications and size	产品尺寸 Outline dimension	L500mm×W1000mm×D78mm
	像素间距 Pixel pitch	3.91mm
	箱体分辨率 Cabinet resolution	128*256
	像素密度 Pixel density (dot/ m²)	65536
光学参数 Optical parameters	白平衡亮度 Luminance of white balance	≥3000cd/m²
	箱体平整度 (mm) Cabinet flatness (mm)	≤1
	色温 Color temperature	6000~9300K 可调 6000~9300K adjustable
	可视角度 View angle	H≥120°

类别 Category	项目 Item	参数及指标 Parameters and standards
	亮度均匀性 Luminance uniformity	≥95%
电气参数 Electrical parameters	功耗 (A/单元模组) Power consumption (A/unit module)	DC 6~7
	平均功率 Average power	480 W/m ²
	最大功率 Maximum power	1200 W/m ²
	供电方式 Power supply method	AC 220V
	对地漏电流 Earth leakage current	≤3.5mA/m ²
处理性能 Processing performance	刷新率 Refresh ratio	≥1920/≥3840/≥7680Hz
	换帧频率 Refresh frame frequency	50&60Hz
环境要求 Environmental requirements	存储环境温度 Storage temperature	-30℃~+60℃
	存储环境湿度 Storage humidity	10%~95%RH 无结露 No knot dew
	工作环境温度 Operating temperature	-20℃~+55℃
	工作环境湿度 Operating humidity	10%~90%RH 无结露 No knot dew
屏体使用参数 Screen Operating	极限承重 Loading bearing	1.5 吨/m ²

类别 Category	项目 Item	参数及指标 Parameters and standards
Parameters	capacity	1545/N (单点处)
	摩擦系数 Friction coefficient	静摩擦系数 0.79/Us Static friction coefficient
		动摩擦系数 0.71/UD Dynamic friction coefficient
其他性能及使用 方法 Other properties and usage	防护等级 IP Grade	室外(正面 IP54, 背面 IP43) Outdoor(Front IP67, Back IP67)
	寿命典型值 (hrs) Lifespan(hrs)	100000
	失控点 Defective ratio	≤4/100000
参考标准 Reference standard	SJT 11141-2017、SJT 11281-2017、GB/T4943.1-2022、GB17625.1-2022	

产品配件清单 Accessories List

物料名称 Item	规格型号 Description
外包装外观 External Appearance of Packaging	 外箱规格: 1040x660x670mm

地托安装示意图
Installation Diagram for
Floor Support



产品使用注意事项 Cautions

产品存储、安装、使用、维护等过程须参照《产品使用说明书》。

The processes of product storage, installation, usage, and maintenance must refer to the "Product Instruction Manual".