# FREEFORM
LDCISP02.5FF

FLEXIBLE INDOOR AND OUTDOOR LED SCREENS FOR CURVED AND IRREGULAR SHAPED PROJECTS

Compact LEDECA
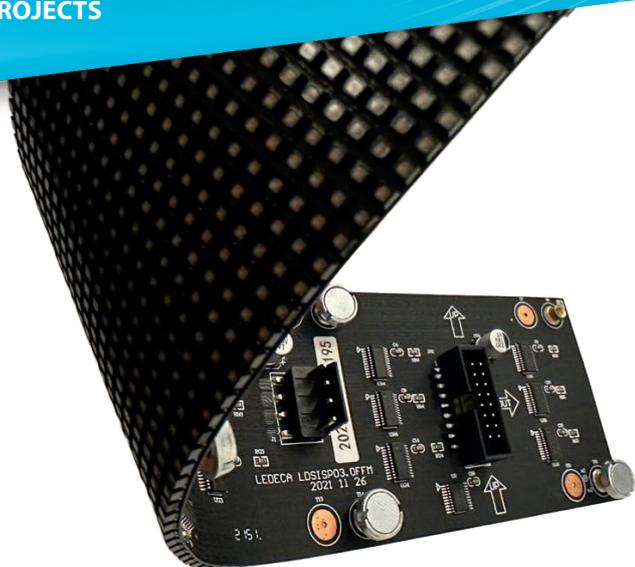
- Suitable for any kind of convex or concave installations
- Intelligent construction for ultra-thin frame depth
- Lightweight for easy adaptation and low cost framework design
- Improved mask structure that increases viewing angle
- Special framework design and production available

LEDECA DIGITAL SCULPTURE
AMSTERDAM / NETHERLAND
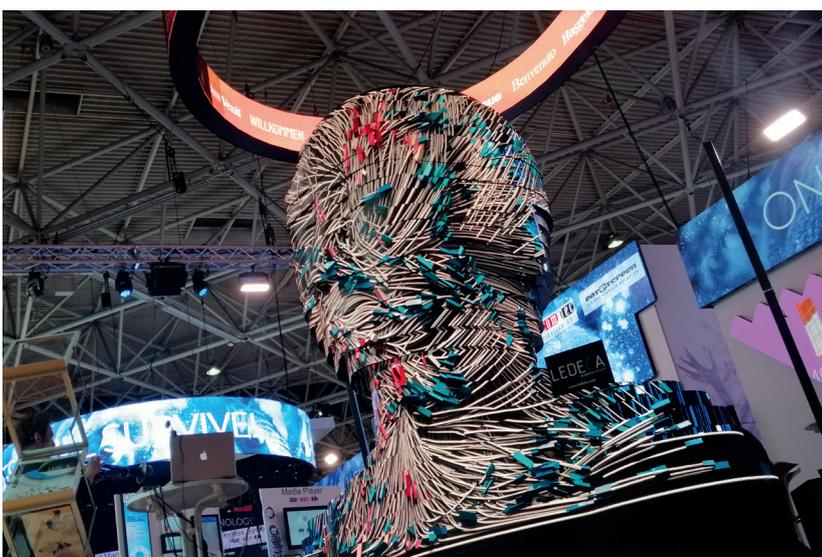
General

Operating environment	indoor
Pixel pitch	2.5mm
Service type	front and rear access
Calibrated brightness (nits)	600nits
Lamp type	SMD
Lifespan (hours at %50 brightness)	>100.000hours
White color calibration (adj.)	3.500K~8.500K
Gray scale	>16bits
Brightness control	256 level

Module Specifications

Module dimensions (mm)	240x120
Refresh frequency	3.840Hz
Module resolution	96x48px
LED drive method	dynamic
Module material	plastic (el.)
Module type	freeform
PCB type	multilayer thin film
PCB surface coating	tape film

Panel Specifications

Panel material	steel
Panel paint	ES powder coated
Panel dimensions (mm)[1]	adjustable
IP level	IP40 front IP20 rear
Minimum curving diameter (mm)	300
Panel resolution	adjustable
Pixel density (pcs/sqm)	160.000
Viewing angle (horizontal x vertical)	>120° x 120°
Minimum viewing distance	>2.5m
Operating temperature range	0℃ ~ +50℃
Storage temperature range	-20℃ ~ +60℃
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50 ~ 60 Hz
Average power per sqm	<120W
Max power per sqm	<600W
Active PFC	YES
Load tolerance[2]	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling

Other

Max input resolution	FHD, UHD, 4K, 8K
Standard video sources[3]	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
Module monitoring	YES
Temperature monitoring	YES
Smoke monitoring	Optional
Voltage monitoring	YES
Power redundancy	N/A
Signal path backup	YES
Signal transmission	CAT or Fiber Optic
Standby scheduling	YES
Power on/off scheduling	Optional
Power saving mode	YES
Certification	CE-EMC, CE-LVD, RoHS, FCC

Options

*The mechanical and electronic specification options are available.

1- Panel dimensions can change upon customer request
2- That value is the remain capacity of PSU's at 100% brightness and white color content
3- Different types of video input available as option

Front Access	Lightweight	Slim	Temp Monitoring	Smoke Monitoring	Voltage Monitoring	Remote Control	Easy To Install	Wide Angle	High Refresh Rate	Transparent	Noiseless	Calibration	Pixel Detection	Fanless

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