

# CITYLINE LDAOSP10.0CL

OUTDOOR LED SCREENS FOR DIGITAL  
OUT-OF-HOME MESSAGING AT EXTREME  
ENVIRONMENTS



- Aluminum fanless design for high performance under extreme conditions
- Adjustable brightness optionally up to 10.000nits
- Lower power consumption with common-cathode technology
- Lightweight for easy adaptation and low cost framework design
- Production level calibration for best color uniformity

**DIGITAL BILLBOARD**  
ISTANBUL / TURKEY



## General

Operating environment	outdoor
Pixel pitch	10mm
Service type	front and rear access
Calibrated brightness (nits)	7.000nits
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)	480x320
Refresh frequency	3.840Hz
Module resolution	48x32px
LED drive method	dynamic
Module material	aluminum
Module type	sealed
PCB type	multilayer
PCB surface coating	humiseal

## Panel Specifications

Panel material	aluminum
Panel paint	ES powder coated
Panel dimensions (mm) <sup>1</sup>	960x960
Panel depth	94mm
IP level	IP67 front, IP65 rear
Panel weight	<29kg
Panel resolution	96x96px
Pixel density (pcs/sqm)	10.000
Viewing angle (horizontal x vertical)	>160° x 140°
Minimum viewing distance	>10m
Operating temperature range	-20°C ~ +60°C
Storage temperature range	-25°C ~ +60°C
Operating humidity	10% ~ 90% non-condensing
Power input voltage	110 ~ 240 VAC
Power input frequency	50~60Hz
Average power per sqm	<140W
Max power per sqm	<650W
Active PFC	YES
Load tolerance <sup>2</sup>	25% min.
Panel installation type	Fixed installation
Cooling	Passive cooling without fan

## Other

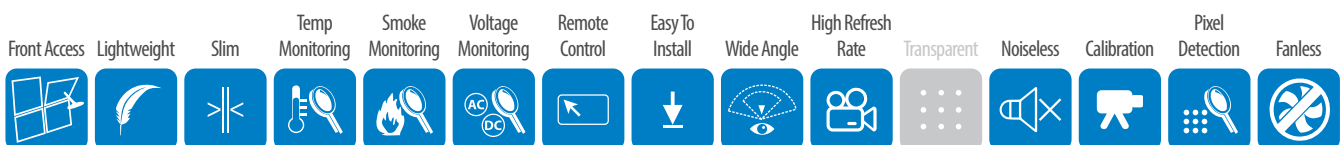
Max input resolution	FHD, UHD, 4K, 8K
Standard video sources <sup>3</sup>	All digital formats
Brightness adjustment	Automatic & manual
Death pixel monitoring	Optional
Module monitoring	YES
Temperature monitoring	YES
Smoke monitoring	Optional
Voltage monitoring	YES
Power redundancy	N/A
Signal path backup	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

Energy-friendly (Average/max power per sqm)	70W/350W
Higher Brightness - CLX	10.000nits
Corner installation	90-degree / curved

<sup>1</sup>The mechanical and electronic specification options are available.

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



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TECHNICAL SPECIFICATIONS

LEDECA